

Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for scanning. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of scanning are checked below.

L'Institut a numérisé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de numérisation sont indiqués ci-dessous.

- | | | | |
|-------------------------------------|---|-------------------------------------|---|
| <input type="checkbox"/> | Coloured covers / Couverture de couleur | <input type="checkbox"/> | Coloured pages / Pages de couleur |
| <input type="checkbox"/> | Covers damaged / Couverture endommagée | <input type="checkbox"/> | Pages damaged / Pages endommagées |
| <input type="checkbox"/> | Covers restored and/or laminated / Couverture restaurée et/ou pelliculée | <input type="checkbox"/> | Pages restored and/or laminated / Pages restaurées et/ou pelliculées |
| <input type="checkbox"/> | Cover title missing / Le titre de couverture manque | <input checked="" type="checkbox"/> | Pages discoloured, stained or foxed/ Pages décolorées, tachetées ou piquées |
| <input checked="" type="checkbox"/> | Coloured maps / Cartes géographiques en couleur | <input checked="" type="checkbox"/> | Pages detached / Pages détachées |
| <input type="checkbox"/> | Coloured ink (i.e. other than blue or black) / Encre de couleur (i.e. autre que bleue ou noire) | <input checked="" type="checkbox"/> | Showthrough / Transparence |
| <input type="checkbox"/> | Coloured plates and/or illustrations / Planches et/ou illustrations en couleur | <input checked="" type="checkbox"/> | Quality of print varies / Qualité inégale de l'impression |
| <input type="checkbox"/> | Bound with other material / Relié avec d'autres documents | <input type="checkbox"/> | Includes supplementary materials / Comprend du matériel supplémentaire |
| <input type="checkbox"/> | Only edition available / Seule édition disponible | <input type="checkbox"/> | Blank leaves added during restorations may appear within the text. Whenever possible, these have been omitted from scanning / Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été numérisées. |
| <input checked="" type="checkbox"/> | Tight binding may cause shadows or distortion along interior margin / La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure. | | |
| <input checked="" type="checkbox"/> | Additional comments / Commentaires supplémentaires: | | |

In Sessional paper No. 3, Supplement No. 4, page xlii is incorrectly numbered page xii.

In Sessional paper No. 3, Reports of Fishery Officers ... 1878, Appendix No. 1, pagination is as follows: [1]-128, 127-238, 237-379 p.

In Sessional paper No. 3, Reports of Fishery Officers ... 1878, Appendix No. 1, page 183 is incorrectly numbered page 83.

SESSIONAL PAPERS.

VOLUME 4.

FIRST SESSION OF THE FOURTH PARLIAMENT

OF THE

DOMINION OF CANADA.

SESSION 1879.



VOLUME XII.

MacLean, Roger & Co., Parliamentary and Departmental Printers, Ottawa, Ont.

890799

LIST OF SESSIONAL PAPERS.

VOLUME XII.—SESSION 1879.

ARRANGED ALPHABETICALLY.

| | No. | | No. |
|---|-----|--|-----|
| Accounts, Public..... | 1 | Esquimalt Graving Dock..... | 46 |
| Active Militia..... | 68 | Estimates, Public Service .. | 1 |
| Agricultural Report..... | 9 | | |
| Alaska Boundary..... | 131 | Fees paid Counsel. | 176 |
| Amet Island Breakwater..... | 132 | Fishery Award..... | 73 |
| | | Forsyth, W. F..... | 180 |
| Banks..... | 12 | Fort Frances Lock..... | 194 |
| Baptisms, Marriages, &c..... | 13 | Fraser River Salmon Hatchery, B.C..... | 41 |
| Bar Iron, N.S. and N.B..... | 48 | | |
| Beauharnois Canal..... | 60 | General Election, Votes polled..... | 88 |
| Bernatchez, Nazaire..... | 31 | Glendon, Steamer..... | 191 |
| Berthier Wharf..... | 154 | Governor General's Commission..... | 14 |
| Bonded Warehouses..... | 75 | Grants of Land..... | 184 |
| Bonds and Securities..... | 34 | Green or Adam's Island..... | 128 |
| British Columbia, Graving Dock..... | 143 | Grosse Isle, Public Works..... | 112 |
| do Imports..... | 109 | | |
| do Indian Reserve..... | 190 | Hamilton, City of, Appointments..... | 117 |
| do Penitentiary..... | 57 | Hillsburg Post Office..... | 38 |
| | | House of Commons, Appointments in..... | 17 |
| Campbell, W. D..... | 63 | | |
| Canada Central Railway Extension..... | 72 | Imports and Exports..... | 23 |
| Canada Gazette..... | 161 | do by Provinces..... | 77 |
| Canada Pacific Railway..... | 43 | Indian Agents, Manitoba..... | 148 |
| Canadian Vessels, Lake Michigan..... | 89 | Indians Enfranchised..... | 130 |
| Canals, U. S., free navigation..... | 64 | Indian Land Claims..... | 127 |
| do and Pacific Railway Expenditure..... | 30 | Indians, Vaccination of..... | 114 |
| do Welland & St. Lawrence, oak supply..... | 173 | Inland Revenue Report..... | 6 |
| Capes, Tormentine and Traverse..... | 144 | do and Customs, Toronto..... | 159 |
| Cardinal, Regis..... | 82 | Insurance Statements..... | 11 |
| Caron, Clovis, Fishery Overseer..... | 102 | Intercolonial Railway..... | 42 |
| Carillon, Dam and Locks..... | 175 | do Freight Rates..... | 113 |
| Casumpec Harbor..... | 58 | Interior Report..... | 7 |
| Cattle Trade..... | 53 | Iron Rails..... | 169 |
| Centennial Exhibition, Philadelphia..... | 152 | | |
| Chenal, DuMoine, Piers..... | 121 | Joint Stock Companies (Roads)..... | 26 |
| Clark, W. R., Esq..... | 62 | Jordan Bay Breakwater..... | 56 |
| Collingwood Harbor..... | 76 | | |
| Columbia, Fisheries..... | 110 | Kaministiquia River, Dredging of..... | 186 |
| Common Pleas, Court of, Ont..... | 51 | do Prince Arthur's Landing..... | 122 |
| Cornwall Canal, Hydraulic Leases..... | 61 | Ketchum, Mr., Correspondence..... | 96 |
| Cox, Mr..... | 141 | do Inspector's Report..... | 97 |
| Cow Bay Breakwater..... | 21 | Kincardine Harbor Works..... | 196 |
| Customs and Excise Duties..... | 78 | | |
| Custom Duties on Salt, &c..... | 157 | Lachine Canal Employés..... | 55 |
| Custom House, Montreal..... | 28 | Lady Head, Steamer..... | 123 |
| | | L'Assomption River Deepening..... | 206 |
| Deschamps, Antoine..... | 135 | do Bridge..... | 126 |
| Dominion Railway Employés..... | 195 | Langelier, Chas..... | 107 |
| Drawback, Canadian Goods..... | 200 | Layton, Richard..... | 87 |
| Drummondville, Wendover & Simpson, Mails..... | 93 | Lesueur, Mr..... | 179 |
| Dussault, J. B..... | 168 | Letter, Private, Post Office Department..... | 92 |
| | | Letellier, The Hon. Luc..... | 19 |
| Ella G. McLean, Schooner..... | 134 | Levesque, S..... | 183 |
| Engineers Licensed, Canada..... | 158 | Library of Parliament..... | 10 |

| | No. | | No. |
|---|------------|---|-----|
| Lighthouses, River St. Lawrence, Oils..... | 162 | Rideau Canal, Damages..... | 167 |
| Loan, Recent, London..... | 29 | Rimouski, Harbor of Refuge..... | 99 |
| Louthead, Samuel..... | 149 | Rimouski Wharf..... | 45 |
| Mackerel Seining..... | 49 | Rivière du Loup Pier..... | 91 |
| Manitoba..... | 44 | do Freight..... | 125 |
| Marine and Fisheries Report..... | 3 | Rivière du Loup Branch, Grand Trunk Rail- way..... | 192 |
| Maritime Court, Ontario..... | 172 | River St. Lawrence Harbors..... | 142 |
| Mason, William..... | 145 | River Trent..... | 35 |
| Matane and River Blanche..... | 198 | River St. John, N.B., Bridges..... | 133 |
| McClary, Peter..... | 70 | Robertson, William..... | 74 |
| Mercantile Marine, Canada..... | 100 | Rondeau Harbor..... | 171 |
| Mercier, P. A., & E. H..... | 47 | Ross <i>et al</i> , Quebec..... | 40 |
| Militia Report..... | 5 | Royal Instructions..... | 181 |
| do Active..... | 68 & 90 | Ryland, Mr..... | 165 |
| Miramichi, Marine Hospital..... | 146 | Salmon Hatchery, B.C..... | 41 |
| Mitchell & Co., Supplies..... | 156 | Sarah E. Bryant, Steam Tug..... | 124 |
| Montmagny Basin..... | 36 | Saugen River Lighthouse..... | 138 |
| Morpeth Harbor..... | 83 | Sault St. Marie Railway..... | 163 |
| Mounted Police, North-West..... | 188 | Secretary of State, Report..... | 52 |
| National Investment Co..... | 67 | Selkirk, Electoral District of..... | 185 |
| Navigation School, Quebec..... | 69 | Simpson, George B., and Sherwood, W. H..... | 136 |
| New Brunswick Claims..... | 98 | Special Warrants..... | 16 |
| Northern Light, Steamboat..... | 160 | Spirits and Tobacco..... | 120 |
| North River and St. Andrews..... | 111 | Souris, Wharf at..... | 33 |
| North-West Mounted Police..... | 188 | Statutes of Canada..... | 20 |
| do Territories, Ordinances..... | 86 | Statute Labor..... | 65 |
| Office, Dismissals from..... | 71 | Steam Navigation Company, P.E.I..... | 94 |
| Official Assignees, Quebec..... | 115 | St. Fabien Post Office, Change in..... | 178 |
| Official Debates..... | 18 | do do Contract, Mails..... | 182 |
| Old Bic Harbor..... | 105 | St. John and St. Francis Rivers, Bridging.. | 66 |
| Pacific Railway..... | 43 | St. Vincent de Paul Penitentiary..... | 103 |
| Patteson, Mr..... | 37 | Superannuation, Civil Service..... | 22 |
| Peck, Thomas..... | 199 | Supreme Court and Court of Exchequer..... | 81 |
| Penitentiaries Report..... | 27 | Talbot, Achille..... | 150 |
| Penitentiary, St. John..... | 79 | Tariff Despatch..... | 155 |
| Pictou and Truro Railway..... | 174 | Taschereau, Thos..... | 80 |
| Pilots' Fund..... | 137 | Tea, Sugar, &c..... | 54 |
| Postmaster-General's Report..... | 4 | Tenders, Public Works..... | 164 |
| Postmaster, Toronto..... | 177 | Tidal Harbor, Quebec..... | 101 |
| Presqu' Isle Bay Lighthouse..... | 140 | Tins, Duty on..... | 84 |
| do Peninsula Free Grant..... | 147 | Tobacco, Canadian..... | 39 |
| Prince Arthur's Landing and Kaministiquia. do do Harbor..... | 122 197 | Trade and Navigation Returns..... | 2 |
| Prince Edward Island, Civil Service..... | 108 | Unforeseen Expenses..... | 15 |
| Prittie, R. W..... | 95 | Vaccination, Indians..... | 129 |
| Public Accounts..... | 1 | Veterans, 1812-15..... | 116 |
| Public Service of Canada..... | 189 | Votes Polled, General Elections..... | 88 |
| Public Works, Report..... | 8 | Weights and Measures..... | 24 |
| do Tenders..... | 164 | Welland Canal..... | 32 |
| Public Property, Transfer of..... | 119 | Western Departmental Building..... | 166 |
| Purdy, Capt..... | 50 | Wilkins, Judge..... | 151 |
| Quartz Mining Machinery, B.C..... | 85 | Windsor and Annapolis Railway..... | 193 |
| Quebec, Repairing Wall..... | 170 | Wood, Hon. Chief Justice..... | 118 |
| Railway Statistics of Canada..... | 187 | Wrecking and Coasting..... | 153 |
| Receipts and Expenditure..... | 25 | Yamaska River..... | 59 |
| Richard, Mr..... | 139 | Yarwood, C. St. George..... | 104 |

LIST OF SESSIONAL PAPERS.

ARRANGED NUMERICALLY AND IN VOLUMES.

CONTENTS OF VOLUME No. 1.

No. 1 ... PUBLIC ACCOUNTS OF THE DOMINION OF CANADA:—For the fiscal year ended 30th June, 1878.
ESTIMATES:—Of sums required for the service of the Dominion, for the year ending 30th June, 1880.

SUPPLEMENTARY ESTIMATES of sums required for the service of the Dominion for the year ending 30th June, 1879.

SUPPLEMENTARY ESTIMATES of sums required for the service of the Dominion for the year ending 30th June, 1880.

ADDITIONAL SUPPLEMENTARY ESTIMATES of the amounts required for the service of Canada for the year ending 30th June, 1880.

CONTENTS OF VOLUME No. 2.

No. 2... TRADE AND NAVIGATION:—Tables of the Trade and Navigation of the Dominion of Canada, for the fiscal year ending 30th June, 1878.

CONTENTS OF VOLUME No. 3.

No. 3... MARINE AND FISHERIES:—Eleventh Annual Report of Department of, for the fiscal year ended 30th June, 1878.

SUPPLEMENT No. 1:—List of Lights on the Coasts, Rivers and Lakes, of the Dominion of Canada, on the 31st December, 1878.

CONTENTS OF VOLUME No. 4.

MARINE AND FISHERIES—SUPPLEMENT No. 2:—Report of the Chairman of the Boards of Steamboat Inspection, Examination of Masters and Mates, &c., for the calendar year ended 31st December, 1878.

SUPPLEMENT No. 3:—Meteorological Report. Order for printing cancelled by the Department. (*Not printed.*)

SUPPLEMENT No. 4:—Report of the Commissioner of Fisheries, for the year ending 31st December, 1878.

CONTENTS OF VOLUME No. 5.

No. 4... POSTMASTER GENERAL:—Report of, for the year ended 30th June, 1878.

No. 5... MILITIA:—Report on the State of the Militia of the Dominion of Canada, for the year 1878.

CONTENTS OF VOLUME No. 6.

- No. 6.... INLAND REVENUE:—Report, Returns and Statistics of the Inland Revenues of the Dominion of Canada, for the fiscal year ended 30th June, 1878.
- SUPPLEMENT No. 1 :—Canal Statistics, for the lease of navigation of 1878.
- SUPPLEMENT No. 2 :—Weights and Measures, 1878.
- SUPPLEMENT No. 3 :—Report on Adulteration of Food for 1878.
- No. 7.... INTERIOR :—Report of the Department of the Interior, for the year ended 30th June, 1878.

CONTENTS OF VOLUME No. 7.

- No. 8.... PUBLIC WORKS :—General Report of the Minister of, for the fiscal year ended 30th June, 1878.
- No. 9.... AGRICULTURE :—Report of the Minister of Agriculture for the Dominion of Canada, for the calendar year, 1878.
- No. 10.. LIBRARY OF PARLIAMENT :—Report of the Librarian on the state of.
- No. 11.. INSURANCE :—Statements of Fire and Marine Insurance Companies in Canada, for the year 1878.

CONTENTS OF VOLUME No. 8.

- No. 12.. BANKS :—List of Shareholders of the several Banks of the Dominion of Canada. (*Not printed.*)
- No. 13.. BAPTISMS, MARRIAGES AND BURIALS :—General Statement of, for certain Districts in the Province of Quebec, for the year 1878. (*Not printed.*)
- No. 14.. GOVERNOR GENERAL'S COMMISSION :—Letters-Patent constituting the Office of Governor General of the Dominion of Canada, and of the Royal Instructions accompanying the same.
- No. 15.. UNFORESEEN EXPENSES :—Statement of payments made and charged to Unforeseen Expenses, under the authority of Order in Council, from the 1st July, 1876, to date, in accordance with the Act 41 Vic., Cap. 4, Schedule B.
- No. 16.. SPECIAL WARRANTS :—Statement of Special Warrants signed by the Governor General, together with the expenditure incurred thereon, during that part of the fiscal year ending 13th February, instant, as required by the Act 41 Vic., Cap. 7, Section 32, Sub-section 4.
- No. 17.. HOUSE OF COMMONS, APPOINTMENTS IN :—Return to Order; Correspondence between the Clerk and the late Speaker of this House, respecting appointments to vacancies in the Service of the House of Commons, since last Session of Parliament.
- No. 18.. OFFICIAL DEBATES :—Return to Order; Notices asking for tenders for reporting and publishing the Official Debates of this House, together with copies of all tenders received, &c. (*Not printed.*)
- No. 19.. LETELLIER, THE HONORABLE LUC :—Return to Address; Pétition addressed to the Governor in Council, by the Hon. Messrs. Chapleau, Church and Angers, praying for the dismissal of His Honor Luc Letellier, Lieutenant-Governor of the Province of Quebec.
- No. 20.. STATUTES :—Statutory Return, in accordance with the Act 31 Vic., Cap. 1, Section 14, of the distribution of the Statutes from the 1st February, 1878, to the 1st February, 1879. (*Not printed.*)
- No. 21.. COW BAY BREAKWATER :—Return to Order; Expenditure in detail, of money expended on the Breakwater at Cow Bay, for the year 1877. (*Not printed.*)

- No. 22. SUPERRANNUATION :—Statement of allowances and gratuities under the Act 33 Vict., Cap. 4.
- No. 23. IMPORTS AND EXPORTS :—Return to Order; For the Imports into, and Exports from the Dominion of Canada during the six months ending the 1st day of January, 1879.
- No. 24. WEIGHTS AND MEASURES, STANDARD :—Return to Order; Shewing the total cost of the Standard Weights and Measures, purchased for the purposes of the "Act relating to Weights and Measures," &c.
- No. 24a.. Return to Address; All Orders in Council made under and by virtue of the Act 36 Vict., Cap 47 (respecting Weights and Measures), and the Act amending the same, between the 1st July, 1873, and the 27th February, 1879, and all correspondence, &c. (*Not printed.*)
- No. 24b.. Return to Order; Correspondence in connection with the suspending of J. J. Spettique, Inspector of Weights and Measures, for the City of London, and the East Riding, Middlesex. (*Not printed.*)
- No. 24c.. Return to Order; Correspondence which has passed between the Inspector of Weights and Measures for the United Counties of Drummond and Arthabaska and the Government. (*Not printed.*)
- No. 25. RECEIPTS AND EXPENDITURE :—Return to Order; Detailed statement of Receipts and Expenditure during the seven months ending on the 1st February, 1879.
- No. 25a.. Return to Order; Shewing the receipts generally during the twenty days from the 1st to the 20th day of February of the present year.
- No. 26. JOINT STOCK COMPANIES, &c. :—Correspondence between the Lieutenant-Governor of Quebec and the Secretary of State, in 1877, in relation to a Bill intituled: "An Act to provide for the formation of Joint Stock Companies for the maintenance of roads and the destruction of weeds." (*Not printed.*)
- No. 27. PENITENTIARIES :—Report of the Minister of Justice on, for the year ended, 30th June, 1878.
- No. 28. CUSTOM HOUSE, MONTREAL :—Return to Order; Statement giving a complete list of all the permanent, supernumerary and temporary employes appointed to the Custom House of Montreal since the 1st July, 1877. (*Not printed.*)
- No. 29. LOAN :—Return to Order; Prospectus of the loan recently effected in London; and the amount of the commission paid thereon, and to whom paid, &c.
- No. 30. CANALS AND PACIFIC RAILWAY, AMOUNTS EXPENDED ON :—Return to Order; Shewing total amount expended up to the 1st day of January, 1879, on the enlargement of the Welland Canal; on the Lachine Canal; on the Pacific Railway and the Survey thereof; on the Section of the Pacific Railway extending from Thunder Bay to Selkirk; and also a Statement of the sums further required from the 1st January, 1879, to complete the said works.
- No. 31. BERNATCHEZ, NAZAIRE :—Return to Order; Contract made between the late Government and Nazaire Bernatchez, Esq., of the Village of Montmagny, in the matter of the transport from Quebec to Grosse Isle, and from Grosse Isle to Quebec, of emigrants, mails, provisions, &c. (*Not printed.*)
- No. 32. WELLAND CANAL :—Return to Order; Shewing number of days during which one James A. McMahon, a clerk in the Paymaster's Office of the Welland Canal, was absent from duty during the years 1877 and 1878, and the number of days for which he received pay from the Department of Public Works, &c. (*Not printed.*)
- No. 32a.. Return to Order; Correspondence in connection with the dismissal of John B. Smith from the office of Deputy Superintendent of the southern section of the Welland Canal, and report of the Superintendent. (*Not printed.*)
- No. 32b.. Return to Order; Statement of damage caused by the break on the lower level of the Welland Canal in September, 1878; the amount required to make good the damage, &c. (*Not printed.*)
- No. 32c.. Return to Order; Shewing the names of all persons from whom supplies for the old Welland Canal have been purchased, from the 4th of November, 1873, to the 10th of January, 1879. (*Not printed.*)

- No. 32d. WELLAND CANAL:—Return to Order; Giving the names of all the permanent employés engaged in the working and Management of the old Welland Canal, and their salaries and allowances.
- No. 32e. Return to Order; Instructions furnished land valuator before entering on their duties in valuing land damages in the Counties of Haldimand and Monck, on the upper level of the Welland Canal; also, all Reports made by said valuator to the Government. (*Not printed.*)
- No. 32f. Return to Order; Reports by the Superintendent, Welland Canal, as to the damages to Lock No. 21 on the Welland Canal, in the year 1874, by the schooner "Louise."
- No. 32g. Return to Address; Correspondence between the Government and the County Council, of the County of Welland, about the claims of the Government against the said County for marsh lands. (*Not printed.*)
- No. 33. SOURIS, WHARF AT:—Return to Order; Copies of all tenders received for the construction of the railway extension and wharf at Souris. (*Not printed.*)
- No. 33a. Return to Order; Copies of all Tenders received in connection with the construction of the Breakwater at Souris, P. E. Island. (*Not printed.*)
- No. 34. BONDS AND SECURITIES:—Statement of all Bonds and Securities registered in the Department of the Secretary of State. (*Not printed.*)
- No. 35. RIVER TRENT, &c.:—Return to Address; Orders in Council relating to the transfer by the Dominion to the Ontario Government of the River Trent and Newcastle District and Navigation and Canal Works.
- No. 35a. Memorandum from the Hon. Hector L. Langevin, Minister of Public Works, dated Ottawa, 4th February, 1870, submitting that the dams, slides, booms, &c., which had been constructed on a proposed line of navigation following the River Trent, &c., had become the property of the Dominion of Canada by the "British North America Act, 1867."
- No. 36. MONTMAGNY BASIN:—Return to Order; Number of engineers and employés engaged in making, in August and September last, an exploration and survey of the Basin of Montmagny, &c., and the River St. Lawrence, with a view of deepening the same. (*Not printed.*)
- No. 37. PATTESON, MR., POSTMASTER, TORONTO:—Return to Address; Order in Council, under and by which the late Postmaster of the City of Toronto was superannuated; and also, all correspondence respecting the appointment of Mr. Patteson to the said office.
- No. 38. HILLSBURG POST OFFICE:—Return to Order; Correspondence in possession of the Government, in relation to the Hillsburg Post Office. (*Not printed.*)
- No. 39. CANADIAN TOBACCO:—Return to Order; Statement shewing the Revenue collected on the sale of Canadian Tobacco, and the cost of collecting the duty thereon, from 1873 to the 1st January, 1879.
- No. 39a. Return to Order; Statement shewing the quantity of Canadian tobacco seized by the officers of the Inland Revenue Department, Montreal, during the years 1874, 1875, 1876, 1877 and 1878. (*Not printed.*)
- No. 40. ROSS *et al* QUEBEC:—Return to Address; Petition of Messrs. Ross and others, of Quebec and Lévis, proprietors and builders of ships and steamboats, in relation to the registration in Canada of American vessels.
- No. 41. FRASER RIVER SALMON HATCHERY, B.C.:—Return to Order; Correspondence since May, 1877, relative to establishing a Salmon Hatchery on Frazer River, British Columbia. (*Not printed.*)
- No. 42. INTERCOLONIAL RAILWAY:—Return to Order; For a Statement of moneys due by certain persons, residents of the County of Rimouski, since 1st August, 1878, for the carriage, during the last General Elections, on the Intercolonial Railway, of supporters and agents of the candidate in favor of the Administration of the day.
- No. 42a. Return to Order; Shewing the monthly receipts from that portion of the Intercolonial Railway between River du Loup and Halifax, for the two years ending December 31st, 1878, with Statement of the actual working expenses. (*Not printed.*)

- No. 42b.. INTERCOLONIAL RAILWAY :—Return to Order; Papers in connection with the purchase of Deal ends and other refuse lumber in the County of Northumberland, N.B., from 1st January, 1873, to 1st of January, 1879, for the use of the Intercolonial Railway. (*Not printed.*)
- No. 42c.. Return to Order; Statement shewing the names of the parties who tendered for the last contract for Sleepers on the Intercolonial Railway. (*Not printed.*)
- No. 42d.. Return to Address; Correspondence in reference to the sale of certain buildings and outbuildings on the bank of the Metapedia River, on the Intercolonial Railway Line. (*Not printed.*)
- No. 42e.. Return to Order; Statement shewing the names and number of persons who tendered, in the County of Rimouski, for the furnishing of 1,000 cords and over of wood for the Intercolonial Railway, during the last General Elections. (*Not printed.*)
- No. 42f.. Return to Order; Statement shewing the number of men employed on the Intercolonial Railway in the County of Rimouski, on the 1st August last and from the 1st August last to the 25th September. (*Not printed.*)
- No. 42g.. Return to Order; Correspondence in respect to the dismissal or resignation of Mr. E. O. Stark, Station Agent, Springhill. (*Not printed.*)
- No. 42h.. Return to Order; Statement of all persons employed on the Intercolonial Railway, on 13th December, 1878. (*Not printed.*)
- No. 42i.. Return to Address; Papers relating to the disputed claims of Messrs. Murray & Co., Contractors on the Intercolonial Railway.
- No. 42j.. Return to Order; Return in detail of the fund known as the Intercolonial Railway Employés Insurance Fund. (*Not printed.*)
- No. 42k.. Return to Order; Statement of damages to cattle and goods on the Intercolonial Railway paid during 1878. (*Not printed.*)
- No. 42l.. Return to Order; Correspondence with Henry Clarke, of Truro, in reference to claim for property destroyed by officers, Intercolonial Railway. (*Not printed.*)
- No. 42m.. Return to Order; Complaints against L. O. Bouchard, Station Master at St. Simon Station, Intercolonial railway. (*Not printed.*)
- No. 43.. CANADIAN PACIFIC RAILWAY :—Articles of Agreement between Heney, Charlebois and Flood, and Her Majesty Queen Victoria, to do the excavation, etc., of Georgian Bay Branch of the Canadian Pacific Railway, from Station O, South River, to French River, 50 miles (37th Contract). (*Not printed.*)
- No. 43a.. Articles of Agreement between Kavanagh, Murphy and Upper, and Her Majesty Queen Victoria, to do the excavation, etc., of part of Pembina Branch, between St. Boniface and Emerson, Canadian Pacific Railway (33rd Contract). (*Not printed.*)
- No. 43b.. Agreement by Joseph Whitehead (13th September, 1878), to make embankments on Sifton, Ward & Co's. Contract (No. 14), Canadian Pacific Railway, at a less cost to Government than per Contract of Sifton, Ward & Co., No 4572, accepted by the Minister of Public Works, 8th October, 1878; and further Agreement by Joseph Whitehead. (*Not printed*)
- No. 43c.. Articles of Agreement between Gouin, Murphy and Upper, and Her Majesty Queen Victoria, to build a ten-stall Engine-house on the Station ground at Selkirk, Manitoba, on the Pembina Branch of the Canadian Pacific Railway (40th Contract). (*Not printed.*)
- No. 43d.. Agreement (3rd August, 1878), respecting running powers over the Pembina Branch of the Canadian Pacific Railway, with George Stephen (No 5696.) (*Not printed.*)
- No. 43e.. Return to Order; Letters of instructions for the removal of Steel Rails from Nanaimo and Esquimalt to Frazer River, B.C., and the cost. (*Not printed.*)

- No. 43f. CANADA PACIFIC RAILWAY:—Return to Order: Reports of Engineers and others made since the 1st of October last, respecting the route or construction of any part of the Pacific Railway, and the removal of rails from Vancouver Island to Yale.
- No. 43g. Return to Order; Reports of Engineers and others, respecting the line of the Canadian Pacific Railway from Esquimalt to Nanaimo, which was made in 1875. (*Not printed.*)
- No. 43h. Articles of Agreement between Frazer, Manning & Co., and Her Majesty Queen Victoria, to do the excavation, etc., from Eagle River to Keewatin, 67 miles, on the line of the Canadian Pacific Railway (B).
Articles of Agreement between Thomas Marks, John Ginty, P. Purcell and H. Ryan, and Her Majesty Queen Victoria, to do the excavation, etc., from English River to Eagle River, 118 miles, on the line of the Canadian Pacific Railway (A).
Schedules of Tenders for contracts, Canadian Pacific Railway, viz.:—Schedule A, from English River to Eagle River, 118 miles; Schedule B, from Eagle River to Keewatin, 67 miles, and Schedule C, from English River to Keewatin, 185 miles.
- No. 43i. Return to Address; Correspondence relating to the removal of the Railway Office from Victoria to New Westminster; also, the cost of repairing and fitting up the old Government House at New Westminster as a Railway Office. (*Not printed.*)
- No. 43j. Return to Order; Statement of all moneys paid up to the 1st March, 1879, on the Pembina Branch Extension; the part from Fort William to Sunshine Creek; from Sunshine Creek to English River; from Rat Portage to Cross Lake, and the expenditure at Thunder Bay; and the expenditure on the Fort Frances Canal. (*Not printed.*)
- No. 43k. Return to Address; Order in Council passed in June, 1876, locating the line of the Canada Pacific Railway between Thunder Bay and a point at or near Fort George, in British Columbia; also between Yellowhead Pass and Burrard Inlet.
- No. 43l. Return to Order; Tenders containing schedules of quantities and prices at the letting of Contracts Nos. 13, 14, 15 and 25, Canadian Pacific Railway.

CONTENTS OF VOLUME No. 9.

- No. 43m. Communication from Sandford Fleming, Esq., 1st February, 1879, accompanied by Tenders for the construction of works from English River to Eagle River, 118 miles,—from Eagle River to Keewatin, 67 miles,—from English River to Keewatin, 185 miles,—and letter from Marcus Smith to Sandford Fleming, Esq., in relation thereto, dated the 31st January, 1879.
Further communication from Sandford Fleming, Esq., of the 12th February, 1879, in reference to his Report of the 1st February, 1879, on the Tenders received for constructing the Sections of the Canadian Pacific Railway, between English River and Keewatin.
- No. 43n. Report addressed to the Hon. the Minister of Public Works, Canada, by Sandford Fleming, Esq., C. M. G., Engineer-in-Chief, respecting the Canadian Pacific Railway, 1879.
- No. 43o. Agreement between Joseph Upper & Co. and Her Majesty the Queen to equip and work the Pembina Branch of the Canadian Pacific Railway, in lieu of Government, under agreement of 3rd August, 1878, of Geo. Stephen and St. Paul and Pacific Railway Company. (*Not printed.*)
- No. 44. MANITOBA:—Statement of the number of immigrants who have come to Manitoba under the auspices of the Immigration Agents during 1878. (*Not printed.*)
- No. 44a. Return to Order; List of Patents issued in the various Parishes of the Province of Manitoba, for lands in the settlement belt. (*Not printed.*)
- No. 44b. Return to Address; Order in Council by which certain lots of land on the Red River, in Manitoba, were reserved for settlement. (*Not printed.*)

- No. 44c. MANITOBA :—Return to Order; Statement shewing the number of Leases granted by the Government to cut timber on the Public Land of the Dominion within the settlement belt on the Red River, Manitoba. (*Not printed.*)
- No. 44d. Message transmitting certain papers having reference to the financial position of the Province of Manitoba.
- No. 45. RIMOUSKI, WHARF AT :—Return to Order; Report of the Engineers respecting the improvements required to the wharf at Rimouski, to render it more convenient for the landing of the English mails, &c. (*Not printed.*)
- No. 46. ESQUIMALT GRAVING DOCK :—Return to Address; Correspondence respecting the offer of the Government of British Columbia in 1878, "to grant to the Admiralty, the site, plant and material on hand, and work already done" of the proposed Esquimalt Graving Dock.
- No. 47. MERCIER, PIERRE ALEXIS & E. H. :—Return to Order; Statement shewing the number of days during which Pierre Alexis Mercier, an officer of the Customs Department at Montreal, absented himself during the year 1878, with or without leave of absence. (*Not printed.*)
- No. 47a. Return to Order; Statement shewing the number of days during which Edward H. Mercier, an officer of Her Majesty Customs, and a Landing Waiter at the Port of Montreal, absented himself during the year 1878, with or without leave of absence. (*Not printed.*)
- No. 48. BAR IRON, N.S. & N.B. :—Return to Order; Return shewing the number of tons of bar iron imported into Nova Scotia and New Brunswick, for the year ended 31st December, 1878; and value for duty. (*Not printed.*)
- No. 49. MACKEREL :—Return to Order; Correspondence relating to the practice of mackerel seining in the waters of the Gulf of St. Lawrence. (*Not printed.*)
- No. 50. PURDY, CAPTAIN :—Return to Order; Correspondence referring to the dismissal of Captain Purdy from the command of the Government Steamer *Newfield*.
- No. 51. COMMON PLEAS, ONTARIO, COURT OF :—General Rules made by the Court of Common Pleas for Ontario, under the Act of the Dominion of Canada, intituled, "The Dominion Controverted Elections Act, 1874." (*Not printed.*)
- No. 52. SECRETARY OF STATE FOR CANADA :—Report of, for the year ended 31st December, 1878.
- No. 53. CATTLE TRADE :—Return to Address :—Correspondence between the Government of Canada and Her Majesty's Imperial Government and the Government of the United States, on the subject of the importation into Great Britain of cattle from America.
- No. 54. TEA, SUGAR, &c., DUTY ON :—Return to Order; Amount of duty paid during the month of February, 1879, on the articles of tea, sugar, wines, cottons and spirits, respectively. (*Not printed.*)
- No. 55. LACHINE CANAL, EMPLOYÉS :—Return to Order; Statement giving the names of all persons now permanently or temporarily employed on the Lachine Canal. (*Not printed.*)
- No. 56. JORDAN BAY BREAKWATER :—Return to Order; Tenders received for the erection of the Breakwater at Jordan Bay, in the County of Shelburne. (*Not printed.*)
- No. 57. BRITISH COLUMBIA PENITENTIARY :—Return to Address; Report made by the Deputy Adjutant-General in British Columbia, complaining of the Warden of the Penitentiary in that Province. (*Not printed.*)
- No. 58. CASCUMPEC HARBOR :—Return to Order; Engineers' Plans and Reports, relating to the improvement of Cascumpec Harbor. (*Not printed.*)
- No. 59. YAMASKA RIVER :—Return to Address; Reports of Engineers, during the year 1878, respecting the improvement of navigation on the River Yamaska. (*Not printed.*)
- No. 60. BEAUHARNOIS CANAL, EMPLOYÉS :—Return to Order; Shewing the number of persons employed on the Beauharnois Canal and the number dismissed or pensioned since the 5th November, 1873. (*Not printed.*)
- No. 61. CORNWALL CANAL, HYDRAULIC LEASES :—Return to Order; Return of all Hydraulic Leases on the Cornwall Canal. (*Not printed.*)

- No. 62... CLARK, W. R. Esq.:—Confidential Memorandum from W. F. Whitcher to the Hon. J. C. Pope, Minister of Marine and Fisheries, on account filed by W. R. Clark, Esq., of Boston, U.S., for services in connection with the Fisheries Commission. (*Not printed.*)
- No. 62a... Return to Address; Correspondence relating to the payment of \$10,000 to W. R. Clark, for alleged services rendered to the Canadian Government in connection with the Halifax Fishery Commission. (*Not printed.*)
- No. 63... CAMPBELL, W. D.:—Return to Order; Copies of the lease of the rivers of the Seigniorie of Bic, in the County of Rimouski, granted to W. D. Campbell, Esquire, Notary, of Quebec. (*Not printed.*)
- No. 64... CANALS, U. S., FREE NAVIGATION OF:—Return to Address; Correspondence subsequent to a Return made on the 5th of April, 1876, respecting the action taken in denying to Canadians the free navigation of the United States or State Canals and the Hudson River.
- No. 65... STATUTE LABOR:—Return to Address; Correspondence between the Dominion Government and that of the Province of Quebec, respecting the adjustment of certain statute labor (*droits de corvée*) in the Parishes of St. Fabien, &c., during the last General Elections. (*Not printed.*)
- No. 66... ST. JOHN AND ST. FRANCIS RIVERS, BRIDGING OF:—Resolutions of the Legislature of the State of Maine, in relation to the navigation and bridging of the Rivers St. John and St. Francis, where said rivers are the line of boundary between the said United States and the Dominion of Canada. (*Not printed.*)
- No. 67... NATIONAL INVESTMENT COMPANY OF CANADA:—Annual Report of, to 31st December, 1878. (*Not printed.*)
- No. 68... ACTIVE MILITIA, MILITARY DISTRICT No. 5:—Return to Order; Statement shewing the names of the officers, non-commissioned officers and men, forming No. 1 Company of the 21st Battalion of the Active Militia in Military District No. 5. (*Not printed.*)
- No. 69... NAVIGATION, SCHOOL OF, QUEBEC:—Return to Address; Correspondence since 1872, between the Dominion Government of the Province of Quebec, in relation to a school of navigation at Quebec. (*Not printed.*)
- No. 70... McCLARY, PETER:—Return to Order; Correspondence which led to the superannuation of Peter McClary, Collector of Inland Revenue, for the City of London, and East Riding of Middlesex. (*Not printed.*)
- No. 71... OFFICE, DISMISSALS FROM:—Return to Address; Correspondence between His Excellency Lord Dufferin and the Members of the late Administration on dismissal from office of those appointed in October and November, 1873; and also, appointments made between 17th September and 10th October, 1873. (*Not printed.*)
- No. 72... CANADA CENTRAL RAILWAY EXTENSION:—Return to Address; All contracts or agreements for the extension of the Canada Central Railway, since the 1st day of January, 1878; also, for the construction of the Georgian Bay Branch Railway. (*Not printed.*)
- No. 73... FISHERY AWARD, APPROPRIATION:—Return to Address; Correspondence addressed by the Local Governments to the Dominion Government, upon the question of the appropriation of the Fishery Award.
- No. 73a... Return to Address; Correspondence which has passed between the Local Government of Prince Edward Island and the Government of the Dominion, having reference to the award of the Fishery Commission or to the disposal thereof.
- No. 74... ROBERTSON, WILLIAM:—Return to Order; Correspondence relating to the dismissal or replacement of William Robertson, Clerk of Works and Inspector under the contract for building the Penitentiary, Dorchester, N.B. (*Not printed.*)
- No. 75... BONDED WAREHOUSES:—Return to Order; Return of all Merchandize remaining in the Bonded Warehouses, by Provinces, on the 31st December, 1878; also, from the 1st January to the 31st March, 1879. (*Not printed.*)
- No. 76... COLLINGWOOD, HARBOR OF:—Return to Order; Statement shewing the amount expended on the Harbor of Collingwood during the season of 1878. (*Not printed.*)

- No. 77... **IMPORTS AND EXPORTS** :—Return to Order; Return of all Imports and Exports, by Provinces, for the six months ending 31st December, 1878; also for the months of January and February, 1879. (*Not printed.*)
- No. 78... **CUSTOMS AND EXCISE DUTIES** :—Return to Order; Return of the sum paid on account of Customs and Excise Duties during the month of February, 1879. (*Not printed.*)
- No. 79... **PENITENTIARY, ST. JOHN** :—Return to Address; Correspondence relating to the claim of the City and County of St. John, to send prisoners under sentence for less than two years to the St. John Penitentiary.
- No. 80... **TASCHEREAU, THOMAS** :—Return to Address; Correspondence between the late Administration and the Honorable Jean Thomas Taschereau, late Judge of the Supreme Court, respecting his superannuation, &c. (*Not printed.*)
- No. 81... **SUPREME COURT AND COURT OF EXCHEQUER** :—Return to Address; Statement shewing the number of judgments rendered by the Supreme Court and the Court of Exchequer of Canada, and the number of employés of the said Courts.
- No. 82... **CARDINAL, REGIS** :—Return to Order; Correspondence relating to the recent dismissal of Regis Cardinal, heretofore an employé of the Inland Revenue Department. (*Not printed.*)
- No. 83... **MORPETH HARBOR** :—Return to Address; Correspondence relating to the construction of a Harbor at or near Morpeth, in the Electoral District of Bothwell, Ontario.
- No. 84... **TIN CANS, DUTY ON** :—Return to Address; Correspondence relating to the duty imposed by the Government of the United States on Tin Cans containing Lobsters, &c. (*Not printed.*)
- No. 85... **QUARTZ MINING MACHINERY, B.C.** :—Return to Order; Letters and telegrams received by the Minister of Customs, during the year 1878, from parties in British Columbia, in regard to the admission during that year into the said Province of Machinery for Quartz Mining, on the condition of security being given that the duties thereon would be paid within twelve months. (*Not printed.*)
- No. 86... **NORTH-WEST TERRITORIES** :—Ordinances passed by the Lieutenant-Governor and Council of the North-West Territories, on the 2nd August, 1878.
- No. 87... **LAYTON, RICHARD** :—Return to Address; Correspondence with the Government relative to the appointing of Mr. Richard Layton as Warden of the Penitentiary in British Columbia. (*Not printed.*)
- No. 88... **VOTES POLLED, GENERAL ELECTION** :—Return shewing the number of votes polled for each Candidate in the different Electoral Districts during the late General Elections.

CONTENTS OF VOLUME No. 10.

- No. 89... **CANADIAN VESSELS, LAKE MICHIGAN** :—Return to Address; Correspondence in relation to Canadian vessels, bound for Lake Michigan, reporting at Port Huron instead of at Sheboygan, as is the practice at present.
- No. 90... **MILITIA, ACTIVE** :—Return to Order; Transmitting the names, rank, &c., of all officers of the Active Militia who offered their services to Great Britain. (*Not printed.*)
- No. 91... **RIVER DU LOUP PIER** :—Return to Order; Instructions given to the Engineer and Superintendent, of works done on River du Loup Pier, in the County of Teniscouata, in 1878. (*Not printed.*)
- No. 92... **LETTER, PRIVATE** :—Return to Order; Correspondence relating to the transmission during the recent Dominion Elections, of a certain letter, marked private and confidential, then on file in the Post office Department, Ottawa, to a voter in the East Riding of Northumberland. (*Not printed.*)
- No. 93... **DRUMMONDVILLE, WENDOVER AND SIMPSON MAILS** :—Return to Order; Shewing the distance traversed, and the amount paid for the carriage of the mails between Drummondville, Wendover and Simpson. (*Not printed.*)

- No. 94... STEAM NAVIGATION COMPANY:—Return to Order; Copies of contract for Mail Service with Steam Navigation Company of Prince Edward Island, at the time the Island entered Confederation. (*Not printed.*)
- No. 95... PRITTIE, R. W.—Return to Address; Order in Council, authorizing an arrangement to be made with Mr. R. W. Prittie, and others, relating to the introduction and settlement of settlers in the Province of Manitoba. (*Not printed.*)
- No. 96... KETCHUM, MR., CORRESPONDENCE:—Return to Order; Correspondence from the Warden of the St John Penitentiary, relating to the Inspector, Mr. Moylan's Report of the investigation of Mr. Ketchum, the Warden. (*Not printed.*)
- No. 97... KETCHUM, MR., AND INSPECTOR'S REPORT:—Return to Order; Copy of Inspector Moylan's Report of the investigation of the case of Mr. Ketchum, Warden of St. John, N.B., Penitentiary. (*Not printed.*)
- No. 98... NEW BRUNSWICK, GOVERNMENT OF:—Return (*in part*) to Address; Correspondence between the Government of New Brunswick and the Government of the Dominion, relating to certain claims preferred by the former against the latter Government.
- No. 99... RIMOUSKI, HARBOR OF REFUGE:—Return to Address; Correspondence respecting the non-appropriation by the late Administration of the sum of \$250,000, voted in 1874, for a Harbor of Refuge at Rimouski. (*Not printed.*)
- No. 100. MERCANTILE MARINE OF CANADA:—Return to Address; Documents relating to the examination before the Boards of Examiners of the Mercantile Marine of Canada of Masters desirous of obtaining certificates as extra Masters. (*Not printed.*)
- No. 101.. TIDAL HARBOR, QUEBEC, AND GRAVING DOCK, LÉVIS:—Return to Address; Return of the names of persons tendering for the construction of the works in the Tidal Harbor at Quebec, and the Graving Dock at Lévis, respectively.
- No. 102. CARON, CLOVIS, FISHERY OVERSEER:—Return to Order; Copies of the complaint made last Autumn by Mr. Clement Rouleau, of St. Anne de la Pocatière, in the County of Kamouraska, against Mr. Clovis Caron, Fishery Overseer. (*Not printed.*)
- No. 103.. ST. VINCENT DE PAUL PENITENTIARY:—Return to Order; Statement shewing the names of the several permanent and temporary officers and employes of the Penitentiary of St. Vincent de Paul. (*Not printed.*)
- No. 104.. YARWOOD, C. ST. GEORGE:—Return to Address; Correspondence respecting the superannuation of C. St. George Yarwood, Landing Water at Chippewa, County of Welland. (*Not printed.*)
- No. 105.. OLD BIC HARBOR:—Return to Address; Petitions presented since 1875, in relation to the improvements to be made in the Harbor, commonly called "Old Bic." (*Not printed.*)
- No. 106.. L'ASSOMPTION RIVER:—Return to Order; Correspondence relating to the deepening of the River l'Assomption. (*Not printed.*)
- No. 107.. LANGELIER, CHARLES:—Return to Order; Statement of all money paid to Mr. Charles Langelier, for the use of his bridge on the Chambly Canal. (*Not printed.*)
- No. 108.. PRINCE EDWARD ISLE, CIVIL SERVICE:—Return to Order; Sessional Paper No. 73, (not printed) 1875, respecting dismissals from, and appointments to the Civil Service, in Prince Edward Island. (*Not printed.*)
- No. 109.. BRITISH COLUMBIA IMPORTS, &c.:—Return to Order; Shewing the quantities and values of the different articles of merchandize imported into British Columbia from other Provinces of the Dominion in 1878; also, the Exports, &c. (*Not printed.*)
- No. 110.. COLUMBIA, FISHERIES OF:—Return to Order; Sessional Paper 42 (not printed) 1877, respecting Fisheries of Columbia.
- No. 111.. NORTH RIVER AND ST. ANDREWS:—Return to Order; Correspondence relating to the dredging of the North River to St. Andrews. (*Not printed.*)
- No. 112. GROSSE ISLE, PUBLIC WORKS:—Return to Order; Contracts for public works, &c., on Grosse Isle, between the 15th November, 1873, and 1st January last. (*Not printed.*)

- No. 113.. INTERCOLONIAL RAILWAY, THROUGH FREIGHT RATES:—Return to Order; Correspondence with the Intercolonial and Steamship Companies, with a view of obtaining through freight rates upon grain, as will constitute Halifax the winter shipping port of the Dominion.
- No. 114.. INDIANS, CHICOUTIMI, VACCINATION OF:—Return to Order; Instructions given to Dr. Lacombe, of Chicoutimi, as to the vaccinating of the Indians of the County of Chicoutimi. (*Not printed.*)
- No. 115.. OFFICIAL ASSIGNEES, QUEBEC:—Return to Order; Statement of all moneys paid over by the Official Assignees of the Province of Quebec, under the provisions of the Act 38 Vic., Chap. 16, sec. 42. (*Not printed.*)
- No. 116.. VETERANS OF 1812-15:—Return to Order; Giving the names and residences of all the veterans of the war of 1812-15, who received a pension during the year 1878. (*Not printed.*)
- No. 117.. HAMILTON, CITY OF, APPOINTMENTS:—Return to Order; Of the names of all persons appointed in the Inland Revenue Office, &c., in the City of Hamilton, between 4th November, 1873, and 10th October, 1878. (*Not printed.*)
- No. 118.. WOOD, HONORABLE CHIEF JUSTICE:—Return to Address; Report of all cases returned to the Government by the Honorable Chief Justice Wood, Commissioner under the Act 38 Vic., Chap. 53. (*Not printed.*)
- No. 119.. PUBLIC PROPERTY, TRANSFER OF:—Return to Order; Papers relative to the sale or transfer of the Barracks at Fredericton, New Brunswick; also, relative to the lease of certain military properties for the purpose of constructing a Graving Dock at Quebec; also, relating to the transfer of certain military properties at Toronto for the purpose of erecting buildings for the Provincial Exhibition. (*Not printed.*)
- No. 120.. SPIRITS AND TOBACCO:—Return to Order; Return of the quantity of spirits, malt, malt liquor and tobacco, manufactured, &c., remaining in warehouse, and revenue accruing therefrom, from 1st January to 31st March, 1879. (*Not printed.*)
- No. 121.. CHENAL DU MOINE PIERS:—Return to Address; Correspondence respecting the construction of Piers to be built in the Chenal du Moine. (*Not printed.*)
- No. 122.. PRINCE ARTHUR'S LANDING AND KAMINISTIQUA:—Return to Order; Returns of numbers, tonnage, and weight of general cargo of vessels that have entered and cleared from Prince Arthur's Landing and the Kaministiquia, respectively, during the season of 1878. (*Not printed.*)
- No. 123.. LADY HEAD STEAMER:—Return to Order; Minutes of the enquiry held as to the loss of the steamer "Lady Head," last autumn, and of the number of vessels the Government has at its disposal for the protection of our Fisheries (*Not printed.*)
- No. 124.. SARAH E. BRYANT, STEAM TUG:—Return to Order; Correspondence in reference to the seizure of the steam tug, "Sarah E Bryant," of Buffalo, N. Y., by the Customs authorities at Dunnville.
- No. 125.. RIVER DU LOUP, FREIGHT:—Return to Order; Shewing the number of car loads of the different kinds of freight forwarded from River du Loup into the Maritime Provinces, &c.
- No. 126.. L'ASSUMPTION RIVER, BRIDGE:—Return to Order; Correspondence relating to the construction of the bridge over L'Assumption River, at L'Assumption. (*Not printed.*)
- No. 127.. INDIAN LAND CLAIMS:—Return to Address; Correspondence in reference to the arrears due on account of Indian Land Claims on Lakes Huron and Superior
- No. 128.. GREEN OR ADAM'S ISLAND:—Return to Order; Instructions given to Mr. John Davidson, the Indian Agent at Dundee, respecting Green or Adams Island, in the St. Lawrence. (*Not printed.*)
- No. 129.. VACCINATION—INDIANS, SAGUENAY:—Return to Order; Instructions given to Dr. F. X. Laterriere, of Chicoutimi, as to vaccinating the Indians of the County of Saguenay. (*Not printed.*)
- No. 130.. INDIANS ENFRANCHISED:—Return to Order; Return of all Indians who have become enfranchised within the past ten years. (*Not printed.*)

- No. 131.. ALASKA BOUNDARY:—Return to Address; Memorandum of the circumstances that led to the conclusion of the Convention between Great Britain and Russia, of February, 1825, &c. Also, a copy of the most reliable maps and any Reports respecting the Alaska boundary. (*Not printed.*)
- No. 132.. AMET ISLAND BREAKWATER:—Return to Order; Estimates of cost of relaying the Stone Breakwater around Amet Island, in the Province of Nova Scotia. (*Not printed*)
- No. 133.. RIVER ST. JOHN, N.B.:—Return to Order; Correspondence in connection with Bridges placed across the River St. John, N.B., at Woodstock and at Andover, County of Victoria. (*Not printed.*)
- No. 134.. ELLA G. MCLEAN, SCHOONER:—Return to Order; Correspondence in any way connected with the chartering and purchase of the schooner "Ella G. McLean." (*Not printed.*)
- No. 135.. DESCHAMPS, ANTOINE:—Return to Order; Papers relating to the discharge of Antoine Deschamps, Light Keeper of St. Anne's, in the County of Jacques Cartier. (*Not printed.*)
- No. 136.. SIMPSON, "GEORGE", AND SHERWOOD, W. H.:—Return to Order; Correspondence relating to the dismissal of George B. Simpson and the appointment of William H. Sherwood as Keeper of the main Lighthouse at Presqu'Isle Harbor. (*Not printed.*)
- No. 137.. PILOTS' FUND:—Return to Order; Petition of the Pilots, praying that the Pilots' Fund may be placed under the control of the Government, as it was formerly. (*Not printed.*)
- No. 138.. SAUGEEN RIVER LIGHTHOUSE:—Return to Order; Correspondence relative to the erection of a Lighthouse at the mouth of Saugeen River. (*Not printed.*)
- No. 139.. RICHARD, MR.:—Return to Order; Correspondence relating to the resignation of Mr. Richard, Lighthouse Keeper at the Brandy Pots. (*Not printed.*)
- No. 140.. PRESQU'ISLE BAY LIGHTHOUSE:—Return to Order; Respecting the site and building of Lighthouse at Presqu'Isle. (*Not printed.*)
- No. 141.. COX, MR.:—Return to Order; Reports in relation to the appointment of Mr. Cox, Keeper of the Lighthouse at Cape Beale. (*Not printed.*)
- No. 142.. RIVER ST. LAWRENCE HARBORS:—Return to Order; Contracts for provisioning the Harbors in the River St. Lawrence. (*Not printed.*)
- No. 143.. BRITISH COLUMBIA GRAVING DOCK:—Message transmitting certain papers having reference to advances to be made to the Province of British Columbia, for the construction of a Graving Dock.
- No. 144.. CAPES TORMENTINE AND TRAVERSE:—Report of Survey of Coast in vicinity of Capes Tormentine and Traverse, in Prince Edward Island, and a suggested Railway, with a view to secure Winter communication with the Island.
- No. 145.. MASON, WILLIAM:—Return to Address; Instructions to Solicitors by the Hon. Rodolphe Laflamme, as Her Majesty's Attorney General, against William Mason, and several others, for trespass upon lands of the Crown upon Presqu'Isle Peninsula. (*Not printed.*)
- No. 146.. MIRAMICHI, MARINE HOSPITAL:—Return to Order; Correspondence, "between 1st January, 1877, and 1st January, 1879." in reference to the Marine Hospital at Miramichi, New Brunswick. (*Not printed*)
- No. 147.. PRESQU'ISLE PENINSULA, FREE GRANTS:—Return to Address; Correspondence relating to the last survey and proposed sale or free grant of the lands upon Presqu'Isle Peninsula. (*Not printed.*)
- No. 148.. INDIAN AGENTS, MANITOBA:—Return to Address; Relating to the dismissal of Indian Agents and Indian Superintendents for Manitoba or the North-West Territories. (*Not printed.*)
- No. 149.. LOUGHEAD, SAMUEL:—Return to Order; Relating to the dismissal of one Samuel Loughead, Postmaster at Molesworth. (*Not printed.*)

- No. 150.. TALBOT, ACHILLE :—Return to Address ; Complaint lodged on the 21st August, 1875, by Achille Talbot, Esq., late Deputy Post Office Inspector, against certain Postmasters in the County of Montmagny. (*Not printed.*)
- No. 150a Return to Address ; Report made on 21st August last, by Achille Talbot, Esq., against Stanislaus Vallée, Esq., Postmaster at Montmagny. (*Not printed.*)
- No. 151. WILKINS, JUDGE :—Return to Order ; Correspondence in connection with the resignation of Judge Wilkins. (*Not printed.*)
- No. 152.. CENTENNIAL EXHIBITION, PHILADELPHIA :—Return to Order : Shewing the names, etc., of all persons appointed as Commissioners or Secretaries, in connection with the Canadian Exhibit at the Centennial Exhibition, Philadelphia.
- No. 153.. WRECKING AND COASTING, CANADIAN WATERS :—Return to Order ; Correspondence relating to Wrecking and Coasting in Canadian waters.
- No. 154.. BERTHIER WHARF :—Return to Order ; Statement shewing the number of men employed in repairing the wharf at Berthier, Montmagny, in each year since 1874. (*Not printed.*)
- No. 155.. TARIFF DESPATCH :—Message ; Despatch on the subject of the Tariff recently introduced to the Legislature.
- No. 156.. MITCHELL & Co., SUPPLIES :—Return to Order ; Accounts, with prices of goods, etc., furnished to the Department of marine and Fisheries by the late firm of Messrs. Mitchell & Co., Montreal, etc. (*Not printed.*)
- No. 157.. CUSTOM DUTIES ON SALT, ETC. :—Return to Address ; Correspondence on the Customs duties which the Government of Newfoundland levies on salt, barrels, etc., used in the Fisheries, on board Canadian vessels resorting to the coast of Newfoundland.
- No. 158.. ENGINEERS LICENSED IN CANADA :—Return to Address ; For the names and residences of all Licensed Engineers in the Dominion of Canada. (*Not printed.*)
- No. 159.. INLAND REVENUE, P.O., AND CUSTOMS APPOINTMENTS, TORONTO :—Return to Order ; Names of all persons appointed in the Inland Revenue, Post Office, and Customs House in the City of Toronto, between 4th November, 1873, and 10th October, 1878. (*Not printed.*)
- No. 160.. 'NORTHERN LIGHT' STEAMBOAT :—Return to Order ; Tenders received for the building of the steamboat "The Northern Light," &c. (*Not printed.*)
- No. 161.. 'CANADA GAZETTE,' N.B. :—Return to Order ; Shewing the names of all officials in New Brunswick who are entitled to receive copies of the *Canada Gazette*. (*Not printed.*)
- No. 162.. LIGHT USES, RIVER ST. LAWRENCE, OILS :—Return to Order ; Correspondence in relation to the furnishing of coal oil or other oils for the Lighthouses on the River St. Lawrence, in the Province of Quebec and in the Gulf, since 1873. (*Not printed.*)
- No. 163.. REPORT SAULT STE. MARIE RAILWAY :—Return to Address ; Report and profiles of a survey for a line of Railway from Sault Sainte Marie eastward, made in 1871, by Mr. Murdoch, C.E.
- No. 164.. TENDERS, PUBLIC WORKS :—Return to Order ; Statement shewing the dates upon which tenders were received for Public Works, &c., between the 1st November, 1873, and the 10th October, 1878.
- No. 165.. RYLAND, MR. :—Return to Address Correspondence, relative to the claim of Mr. Ryland, for interest due him on the Canadian moiety of Chief Justice Carter's award. (*Not printed.*)
- No. 166.. WESTERN DEPARTMENTAL BUILDING—EXPENDITURE ON :—Return to Order ; Statement shewing the total expenditure in detail, upon the addition made to the Western Departmental Building. (*Not printed.*)
- No. 167.. RIDEAU CANAL DAMAGES :—Return to Order ; Return of all claims for damages, caused by waters dammed back for the purposes of the Rideau Canal since 1st January, 1872. (*Not printed.*)

- No. 168. DUSSEAULT, J. B. :—Return to Order; Statement shewing all sums paid from the year 1875 up to this date, to Mr. Jean Baptiste Dusseault, Merchant, of L'Islet, in the County of L'Islet, &c. (*Not printed.*)
- No. 169. IRON RAILS :—Return to Order; Statement shewing the quantity of old Iron Rails the Government now has at its disposal, &c.
- No. 170. QUEBEC—REPAIRING WALLS :—Return to Order; Statement shewing the sums of money expended for repairing the walls of the City of Quebec, between the 1st of August and the 1st of October, 1878. (*Not printed.*)
- No. 171. RONDEAU HARBOR :—Return to Order; Contracts since 1874 for repairs to Rondeau Harbor of Refuge. (*Not printed.*)
- No. 172. MARITIME COURT, ONTARIO :—Return to Address; Cases disposed of by the Maritime Court of Ontario up to 1st March, 1879.
- No. 173. CANALS, WELLAND AND ST. LAWRENCE :—Return to Order; Correspondence from Messrs. Booth and others, with reference to supplying oak for the construction of lock gates on the new line of the Welland and St. Lawrence Canals. (*Not printed.*)
- No. 174. PICTOU AND TRURO RAILWAY :—Return to Order; Correspondence with respect to the transfer of the Pictou and Truro Railway. (*Not printed.*)
- No. 175. CARILLON DAM AND LOCKS :—Return to Order; Shewing all tenders received for the completion of the Carillon Dam and Locks and Report of Messrs. Shanly and Keefer thereon.
- No. 176. FEES PAID COUNSEL BY GOVERNMENT :—Return to Order; Fees paid by the Government to, and the names of all Counsel, &c., employed by the Dominion Government.
- No. 177. POSTMASTER, TORONTO :—Return to Address; Accounts rendered by the Postmaster at Toronto, between the first day of July, 1874, up to the first day of July, 1878. (*Not printed.*)
- No. 178. ST. FABIEN POST OFFICE :—Return to Order; Correspondence between the Government and the Postmaster of the Parish of St. Fabien, Mr. Vidal Roy, respecting the change in the Post Office of that Parish. (*Not printed.*)
- No. 179. LESUEUR, Mr. :—Return to Order; Reports relating to the superannuation of Mr. LeSueur, formerly of the Post Office Department. (*Not printed.*)
- No. 180. FORSYTH, W. F. :—Return to Order; Reports relating to the employment of W. F. Forsyth in the Post Office Department. (*Not printed.*)
- No. 181. ROYAL INSTRUCTIONS :—Return to Address; Correspondence between the Government of Canada and the Government of the United Kingdom, upon the subject of the Royal Instructions, prior to the 5th October, 1878. (*Not printed.*)
- No. 182. ST. FABIEN, P.O. :—Return to Order; Correspondence since the 10th of October, 1878, respecting the contract for carrying the mail between the Railway Station and the Post Office of the Parish of St. Fabien. (*Not printed.*)
- No. 183. LÉVESQUE, S. :—Return to Order; Complaint brought against Mr. Salutre Lévesque, in his quality of Postmaster and Mail Carrier, in and for the Parish of St. Donat. (*Not printed.*)
- No. 184. GRANTS OF LAND :—Return to Address; Correspondence since the 1st July, 1878, on the subject of Grants of Lands for the encouraging of Immigration and the settlement of lands in the Province of Manitoba and the North-West Territories. (*Not printed.*)
- No. 185. SELKIRK, ELECTORAL DISTRICT OF :—Return to Address; Correspondence relating to the recount of ballots at the last Election for the Electoral District of Selkirk, in the Province of Manitoba. (*Not printed.*)
- No. 186. KAMINISTQUIA RIVER, DREDGING OF :—Return to Order; Correspondence relative to the dredging of the Kaministiquia River, and the practicability of forming a Harbor, &c.
- No. 187. RAILWAY STATISTICS OF CANADA :—Reports for 1877-8. (*Printed in English as No. 188.*)

- No. 188. NORTH-WEST MOUNTED POLICE:—Return to Order; Expenditure during 1876, 1877 and 1878 on account of the North-West Mounted Police, with Statement of moneys paid to J. G. Baker & Co., of Fort Benton, Montana Territory, U.S.
- No. 189. PUBLIC SERVICE OF CANADA:—Return to Address; Statement shewing the names of all persons who received any appointment or engagement, either permanent or temporary, in the Public Service of Canada, between the tenth day of October last and the first day of April, instant.
- No. 190. BRITISH COLUMBIA, INDIAN RESERVES:—Return to Address; Correspondence between the Government of Canada and the Commissioners of the Indian Reserves in British Columbia. (*Not printed.*)
- No. 191. 'GLENDON' STEAMER:—Return to Order; Papers connected with the purchase, repairs, and sea-worthiness of the Steamer "Glendon." (*Not printed.*)
- No. 192. RIVIÈRE DU LOUP BRANCH, G. T. R.:—Correspondence respecting the Rivière du Loup Branch of the Grand Trunk Railway.
- No. 193. WINDSOR AND ANNAPOLIS RAILWAY:—Return to Order; Gross earnings, year by year, of the Windsor Branch Railway, from the 1st January, 1872, to the 1st August, 1877. (*Not printed.*)
- No. 194. FORT FRANCES LOCK:—Return to Order; Expenses incurred in connection with the building of the Fort Frances Lock up to the 1st day of January, 1879. (*Not printed.*)
- No. 195. DOMINION RAILWAYS, PERSONS EMPLOYED, &c.:—Return to Order; Number of persons employed on the 31st December last on each of the railways of the Dominion, &c. (*Not printed.*)
- No. 196. KINCARDINE HARBOR WORKS:—Return to Order; Expenditure in Kincardine, County of Bruce, in connection with Harbor Works from the 1st May, 1873, to the last of October, 1878. (*Not printed.*)
- No. 197. PRINCE ARTHUR'S LANDING HARBOR:—Return to Order; Documents in reference to the Harbor of Prince Arthur's Landing. (*Not printed.*)
- No. 198. MATANE AND RIVER BLANCHE:—Return to Order; Statement shewing the nature of the work done at Matane and at River Blanche, in Rimouski, from 1st July to 10th October, 1878. (*Not printed.*)
- No. 199. PECK, THOMAS:—Return to Order; Correspondence relative to an increase of salary to be paid to Thomas E. Peck, Customs Officer, Nanaimo. (*Not printed.*)
- No. 200. DRA WBACK ALLOWED ON CANADIAN GOODS:—Return to Order; Shewing what drawback was allowed on goods manufactured in Canada in 1877 and 1878 and exported.

SUPPLEMENT No. 2

TO THE

ELEVENTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND FISHERIES
BEING FOR THE FISCAL YEAR ENDED 30TH JUNE, 1878.

REPORTS

OF THE

CHAIRMEN OF THE BOARDS OF

STEAMBOAT INSPECTION**AND EXAMINERS OF MASTERS AND MATES,**

THE

TORONTO, MONTREAL, QUEBEC AND PICTOU

HARBOUR COMMISSIONERS,

THE PILOTAGE AUTHORITIES,

THE HARBOUR AND SHIPPING MASTERS, THE PORT WARDENS, AND ON THE
HARBOUR POLICE OF MONTREAL AND QUEBEC, TOGETHER WITH
STATEMENT OF WRECKS AND CASUALTIES AND LIST
OF REWARDS FOR SAVING LIFE,

CHIEFLY UP TO THE

31ST DAY OF DECEMBER, 1878.

PRINTED BY ORDER OF PARLIAMENT.



OTTAWA:

PRINTED BY MACLEAN ROGER & CO., WELLINGTON STREET.

1879.

SUPPLEMENT No. 2.

The Hon. JAMES C. POPE, M.P.,
Minister of Marine.

SIR,—I have the honour to submit herewith Supplement No. 2 to the Eleventh Annual Report of the Department of Marine and Fisheries, being for the Year 1878; containing the Reports of the Chairmen of the Boards of Steamboat Inspection and Examiners of Masters and Mates, the Toronto, Montreal, Quebec and Pictou Harbour Commissioners, the Pilotage Authorities, the Harbour and Shipping Masters, the Port Wardens, and on the Harbour Police of Montreal and Quebec, together with Statement of Wrecks and Casualties and List of Rewards for Saving Life.

My remarks, on the subjects specified in the above-mentioned Reports, will be found in the Annual Report of this Department, submitted on the 1st January last.

I have the honour to be, Sir,

Your most obedient servant,

WM. SMITH,

Deputy Minister of Marine and Fisheries.

Department of Marine and Fisheries,
Ottawa, 9th April, 1879.

CONTENTS.

| APPENDIX No. | PAGE |
|---|------|
| 1.—REPORT OF THE CHAIRMAN OF THE BOARD OF STEAMBOAT INSPECTION FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 1 |
| 2.—List of Steamboat Engineers, their Examinations and Renewals, during calendar year.... | 10 |
| do do do 1879 | 26 |
| Statement of the number of Steam Vessels added to the Dominion during calendar year, their class and horse-power, whether of wood or iron, their gross and register tonnage, where built, and where and how employed | 68 |
| Statement of number of Steam Vessels lost, broken up, or laid up as unfit for service, during calendar year, their class and horse-power, whether of wood or iron, their gross and register tonnage, where built and where and how employed..... | 76 |
| List of Steamboats Inspected during calendar year..... | 84 |
| 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 TO 31ST DECEMBER, 1878.... | 135 |
| 4.—STATEMENT OF WRECKS AND CASUALTIES REPORTED AS HAVING OCCURRED TO INLAND VESSELS, FROM 1ST JANUARY TO 31ST DECEMBER, 1878..... | 160 |
| 5.—SUPPLEMENT TO THE 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, DURING CALENDAR YEAR OF 1877..... | 163 |
| 6.—REPORT ON THE LOSS OF THE S.S. "LAKE MEGANTIC"..... | 172 |
| 7.— do do "BLenheim"..... | 174 |
| 8.— do do "LADY HEAD"..... | 176 |
| 9.— do do SCHOONER "MABEL CLAIRE"..... | 178 |
| 10.—REPORT OF THE CHAIRMAN OF THE BOARD OF EXAMINERS OF MASTERS AND MATES FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 179 |
| List of Certificates of Competency and Service granted to Masters and Mates by the Department of Marine and Fisheries, Canada, for the calendar year ended 31st December, 1878..... | |
| List of Certificates of Competency which have been cancelled | |
| 11.—LIST OF PERSONS TO WHOM REWARDS HAVE BEEN GRANTED BY THE GOVERNMENT OF THE DOMINION OF CANADA, DURING CALENDAR YEAR, FOR GALLANT SERVICES RENDERED IN SAVING LIFE FROM SHIPWRECKED CANADIAN VESSELS AND ON THE SHORES OF CANADA.... | 197 |
| 12.—LIST OF PERSONS, SUBJECTS OF THE DOMINION OF CANADA, TO WHOM REWARDS HAVE BEEN GRANTED BY THE BRITISH AND FOREIGN GOVERNMENTS, DURING CALENDAR YEAR, FOR GALLANT AND HUMANE SERVICES RENDERED IN SAVING LIFE FROM SHIPWRECKED BRITISH AND FOREIGN VESSELS | 199 |
| 13.—REPORT OF THE HARBOUR COMMISSIONERS OF MONTREAL, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 200 |
| Report of the Harbour Master..... | 204 |
| Comparative Statement showing the Number and Tonnage of Inland Vessels that arrived in port the last ten years with the dates of the greatest number in port at one time..... | 206 |
| Comparative Statement showing the dates of the opening and closing of navigation, first arrival from sea and last departure for sea, for the past ten years..... | 207 |

| APPENDIX No. | PAGE |
|---|------|
| Comparative Statement showing the Classification, Numbers and Tonnage of Sea-going Vessels that arrived in port the past ten years, with the dates of the greatest number in port at one time..... | 208 |
| Comparative Statement showing the Number, Tonnage and Classification of Sea-going Vessels that arrived in port from the Maritime Provinces the past ten years | 209 |
| Report of the Chief Engineer..... | 210 |
| Report of the Superintendent of Pilots..... | 222 |
| 14.—REPORT OF THE SECRETARY OF THE HARBOUR COMMISSIONERS OF QUEBEC, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 224 |
| Revenue and Expenditure during fiscal year..... | 232 |
| Assets and Liabilities..... | 233 |
| Balance Sheet..... | 234 |
| Statement of contracts awarded by the Quebec Harbour Commissioners in connection with Harbour Improvements and the Graving Dock, with expenditure to end of calendar year..... | 235 |
| Statement showing cost of lifting barge, &c..... | 236 |
| Comparative Statement of the Number and Tonnage of Sailing Vessels and Steamers, with the Number of Men employed, entered inwards and outwards, for the years 1877 and 1878; showing the countries from whence they came and for which they cleared, whether in cargo or ballast; also distinguishing the countries to which they belonged. | 238 |
| Comparative Statement of Vessels entered inwards and outwards at the Port of Quebec, showing the number and tonnage of vessels, number of men employed, distinguishing the number of vessels entered and cleared at out-ports for the years 1874, 1875, 1876, 1877 and 1878 | 240 |
| 15.—REPORT OF THE HARBOUR COMMISSIONERS, TORONTO..... | 241 |
| 16.—REPORT OF THE HARBOUR COMMISSIONERS OF PICTOU, NOVA SCOTIA, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 250 |
| Statement of the Receipts and Expenditure..... | 251 |
| Report of the Harbour Master..... | 252 |
| 17.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF BADDECK, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 253 |
| 18.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF BRIDGEWATER, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 254 |
| 19.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 255 |
| 20.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF JORDAN BAY, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 257 |
| 21.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF LIVERPOOL, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 258 |
| 22.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF LUNENBURG, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 259 |
| 23.—REPORT OF THE HARBOUR MASTER FOR PORT HOOD, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 260 |
| 24.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF PUGWASH, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 261 |
| 25.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF McNAIR'S COVE, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 262 |
| 26.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF RIVER JOHN, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 263 |

| APPENDIX No. | PAGE |
|---|------|
| 27.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF TUSKET, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 264 |
| 28.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF YARMOUTH, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 265 |
| 29.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF CHATHAM, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 266 |
| 30.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF HILLSBORO' N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 267 |
| 31.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF MUSQUASH, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 268 |
| 32.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF SHEDIAC, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 269 |
| 33.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF TRACADIE, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 271 |
| 34.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF BAY FORTUNE, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 272 |
| 35.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF CHARLOTTETOWN, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 273 |
| 36.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF CARDIGAN RIVER, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 275 |
| 37.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF CRAPAUD, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 276 |
| 38.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF GEORGETOWN, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 277 |
| 39.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF NEW LONDON, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 278 |
| 40.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF NORTH PINETTE, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 279 |
| 41.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF ROLLO BAY, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 280 |
| 42.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF SOURIS EAST, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 281 |
| 43.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF SUMMERSIDE, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 282 |
| 44.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF TRACADIE, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 283 |
| 45.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF EGMONT BAY, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 284 |
| 46.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF GASPÉ, P.Q., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 285 |
| 47.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF MATANE, P.Q., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 286 |
| 48.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF PASPEBIAC, P.Q., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 287 |
| 49.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF THREE RIVERS, P.Q., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 288 |
| 50.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF CHETICAMP, C.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 289 |

APPENDIX No.

PAGE

| | |
|--|-----|
| 51.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF VICTORIA, B.C., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 290 |
| 52.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF GODRICH, ONT., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 292 |
| 53.—REPORT OF THE HARBOUR MASTER FOR THE PORT OF SOUTHAMPTON, ONT., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 293 |
| 54.—TABLE SHOWING THE NAMES OF PORTS PROCLAIMED UNDER THE DOMINION ACTS, 36 VIC., CHAP. 6; 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 APPOINTMENTS OF THE HARBOUR MASTERS, THE AMOUNT WHICH EACH OF THEIR SALARIES IS NOT TO EXCEED, THE AMOUNT OF FEES COLLECTED BY EACH OF THEM DURING THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878, AND THE OVERPLUS, IF ANY, PAID INTO THE CREDIT OF THE RECEIVER-GENERAL..... | 294 |
| REPORT ON THE PILOTAGE DISTRICT OF MONTREAL, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 218 |
| 55.—REPORT ON THE PILOTAGE DISTRICT FOR AND BELOW THE HARBOUR OF QUEBEC, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 299 |
| 56.—REPORT OF THE PILOTAGE COMMISSIONERS FOR THE DISTRICT OF ST. JOHN, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 311 |
| 57.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF BUCTOUCHE, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 314 |
| 58.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF CHARLOTTE, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 316 |
| 59.—REPORT OF THE PILOTAGE COMMISSIONERS FOR THE DISTRICT OF COGAGNE, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 318 |
| 60.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF MIRAMICHI, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 320 |
| 61.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF RESTIGOUCHE, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 324 |
| 62.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF RICHIBUCTO, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 327 |
| 63.—REPORT OF THE PILOTAGE AUTHORITY FOR BRAS D'OR LAKE, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 329 |
| 64.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 331 |
| 65.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF HANTS COUNTY, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 334 |
| 66.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF PICTOU, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 336 |
| 67.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF PUGWASH, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 338 |
| 68.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF RICHMOND, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 339 |
| 69.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF SYDNEY, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 341 |
| 70.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF NEW LONDON, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 347 |
| 71.—REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF BRITISH COLUMBIA, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878 | 348 |

| APPENDIX No. | PAGE |
|--|------|
| 72.—REPORT ON THE MONTREAL WATER POLICE, FOR THE FISCAL YEAR ENDED 30TH JUNE, 1878. | 359 |
| Return showing the number of prisoners arrested..... | 360 |
| List of accidents on the wharves..... | 361 |
| 73.—REPORT OF THE CHIEF CONSTABLE OF THE QUEBEC RIVER POLICE, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 364 |
| Statement regarding persons arrested..... | 366 |
| 74.—REPORT OF THE PORT WARDEN OF MONTREAL FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 367 |
| Receipts and Expenditure..... | 369 |
| 75.—REPORT OF THE PORT WARDEN OF QUEBEC, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 370 |
| 76.—REPORT OF THE PORT WARDEN OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 372 |
| Receipts and Expenditure..... | 373 |
| List of damaged vessels surveyed..... | 374 |
| 77.—REPORT OF THE PORT WARDEN FOR THE PORT OF NORTH SYDNEY, C.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 375 |
| 78.—REPORT OF THE PORT WARDEN OF PICTOU, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 377 |
| 79.—REPORT OF THE PORT WARDEN OF PORT HAWKESBURY, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 378 |
| Receipts and Expenditure..... | 378 |
| List of damaged vessels surveyed..... | 379 |
| 80.—REPORT OF THE PORT WARDEN FOR THE PORT OF SYDNEY, C.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 380 |
| 81.—STATEMENT OF RECEIPTS AND EXPENDITURE IN CONNECTION WITH THE OFFICE OF PORT WARDEN OF THE PORTS OF VICTORIA AND ESQUIMALT, B.C., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 381 |
| 82.—REPORT OF SHIPPING MASTER AT THE PORT OF MONTREAL, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 382 |
| 83.—REPORT OF THE SHIPPING MASTER FOR THE PORT OF QUEBEC, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 384 |
| Receipts and Expenditure..... | 385 |
| 84.—REPORT OF THE SHIPPING MASTER FOR THE PORT OF St. JOHN, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 386 |
| 85.—REPORT OF THE SHIPPING MASTER FOR THE PORT OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 388 |
| 86.—REPORT OF THE SHIPPING MASTER FOR THE PORT OF LIVERPOOL, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 391 |
| 87.—REPORT OF THE SHIPPING MASTER FOR THE PORT OF YARMOUTH, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878..... | 393 |
| 88.—STATEMENT SHOWING THE 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, 1878..... | 394 |
| 89.—RETURN BY THE COLLECTOR OF CUSTOMS OF THE AMOUNT OF COLLECTIONS OF TONNAGE DUES AT THE HARBOUR OF COW BAY, AND AMOUNT OF TOLLS COLLECTED ON MERCHANDISE LANDED ON THE PIER, DURING THE YEAR ENDED 31ST DECEMBER, 1878..... | 402 |

APPENDIX No. I.

REPORT OF THE CHAIRMAN OF THE BOARD OF STEAMBOAT INSPECTION FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

BOARD OF STEAMBOAT INSPECTION,
CHAIRMAN'S OFFICE,

TORONTO, 31st December, 1878.

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, 1878.

It is to be regretted that I have to report the loss of two lives in connection with steamboats during the past year. Both occurred in the District of Ontario, but neither of them are traceable to any cause connected with the inspection of the vessels, so far as I am able to judge from the reports of the accidents.

One life, that of a man, was lost from on board the steamer "F. B. Maxwell," an excursion boat running between Toronto and Victoria Park, a place of summer resort about eight miles below Toronto, on the lake shore.

Considering the number of people that were carried on the "Maxwell," the vessel above referred to, during the past season, increasing on the night return trips to perhaps 700 or 800 persons, numbers far beyond the capacity of the steamer to carry; considering too the danger from fire or any accident creating a panic, it is fearful to contemplate the loss of life that might ensue in open water. Away from help, and in the dark, the chances would be few for anyone.

In referring to the "Maxwell," I may state that numerous complaints have been made to me during the past season, in respect to the over-crowding of ferry and excursion steamers, asking me to provide some security against the danger apprehended from this cause, either by limiting the number of passengers, or making some adequate provision for their safety in case of accident. To limit the number of passengers would be virtually stopping the running of the boats, as the low fares charged will only pay for the large numbers carried. It is also impracticable to carry an equipment of life-saving means in any degree proportionate to the number of passengers. How far the Government would be justified in standing between the wishes of the public, and the danger to which they are thus exposed, the Department can best determine.

The other life lost, which is referred to in the casualty return of this report, is not accounted for, further than in connection with the burning of the steamer.

It will be satisfactory for you to learn that no complaints have been made to me by owners or masters of steamboats against inspectors in the discharge of their duties, and but few against engineers.

The annual meeting of the Board was held at Montreal, on the 24th instant. There were present Messrs. Smith, from the Maritime Provinces; Samson, from Quebec; Belfort, from Three Rivers; Burgess, Montreal, and the Chairman. Beside classifying the examination papers of engineers made in the several Districts, by the Inspectors present, the Board passed the following rules for their own guidance:

Rule 1. That Inspectors of Steamboats will, in future, condemn, as far as possible, the use of upright tubular boilers in steamboats, in which the water level is maintained below the upper end of the tubes.

Rule 2. That the space on the circular portion of the shell of a boiler enclosed by the steam dome shall be strengthened by riveted angle-irons, or otherwise to compensate for the unequal pressure to which that portion of the boiler is subjected.

Rule 3. That Rule 5, passed September, 1873, determining the standard of strength of flues in boilers subjected to external pressure, shall apply in all cases, except where such flues are less than four feet in length, when the working pressure allowable may be increased inversely as their lengths, in the proportion of two to one. Thus for a flue of four feet long, the working pressure being fifty pounds, a similar flue two feet long would admit a working pressure of one hundred pounds.

Rule 4. That in future when bars, or angle-irons, are used for sustaining the crown sheet of the furnace of a boiler, three-fifths of the working pressure allowable upon the crown sheet shall be sustained by hanging stays from the shell of the boiler. This Rule may not apply to furnaces less than thirty-six inches wide.

The measurement of the crown sheet in applying the above rule to be taken between the sides and ends of the furnace.

Rule 5. Inspectors are to discourage (except in staying cylindrical furnaces) the use of angle-iron in staying furnaces and crown sheets of steamboat boilers.

Rule 6. That donkey boilers on steamboats are required by law to be provided with two safety valves, one of which may be locked up.

Rule 7. That the Rule of the Board fixing the area of the safety valves at one-third the width of the front of the boiler, in inches, the locked valve being two-fifths and the open valve three-fifths that area, shall in future be adhered to for all new boilers. That in no case shall the area of the open and locked valves together, be less than half a square inch for each square foot of grate surface in the boilers.

The following Resolutions were submitted. "That applicants for examination as engineer must be able to read the Rules and Regulations provided for their guidance and write a plain legible hand. That this rule remain in force for one year from this date, or until otherwise ordered." Approved.

Moved by Mr. W. M. Smith, of the Maritime Provinces, and seconded by Mr. Befort, of the Three Rivers District, "That Inspectors of Steamboats be authorized to issue limited certificates to engineers in their districts, such certificates to be ratified at the first meeting of the Board."—Lost. Mr. Smith and Mr. Befort, voting for, and Burgess, Samson and the Chairman against it.

Some discussion took place on the necessity for providing separate forms of examination papers for chief engineers and also for assistant engineers, the Chairman promising to obtain the opinion of the several inspectors as to the best form of questions for such papers, when the Board adjourned to meet at Toronto on the 2nd December.

According to the adjournment at Montreal a quorum of the Board composed of Inspectors Taylor, and Meneilley, with the Chairman, met on the 2nd December, at Toronto, and continued in session to the 14th, being occupied in classifying examination papers of engineers taken at Kingston, Collingwood, Lindsay, Port Colborne, St. Catharines, Chatham, Windsor, Sarnia, Hamilton, Manitoba and British Columbia.

The following rule was adopted by the Board:

Rule 8. Boilers in which the longitudinal seams, in the cylindrical part of the shell, are single in place of double riveted, shall be subject to a reduction in the working pressure, allowable for a boiler made in the best manner (as prescribed by sub-section 2, section 7 of the Act) of twenty per cent., the limit of pressure in boilers so made not to exceed eighty pounds to the square inch, in place of one hundred pounds as named in the clause of the Act referred to. This Rule to apply to all boilers made after this date.

The following letter with reference to the substitution of steel for iron in the manufacture of steamboat boilers was addressed by the Board to Mr. Inspector Abell, of the Manitoba District:—

"TORONTO, 14th December, 1878.

SIR,—Referring to your letter of the 22nd ultimo, requesting me to lay before the Board whether the use of steel plates in the manufacture of steamboat boilers would not allow a greater working pressure than iron plates, the object being to reduce the weight of the boiler by substituting steel for iron in its construction, the Board is of opinion that the difference in weight of a boiler, by the use of steel in its manufacture in place of iron, would not justify recommending any change in the law, which requires that boilers be made of the best materials in the best manner. That the limit of pressure (one hundred pounds to the square inch) cannot be safely exceeded unless—as in Europe—the practice be followed here of drilling instead of punching the holes in the sheets of the boilers, and condemning plates so punched as unfit for use.

"I am, Sir,

"Your obedient servant,

"SAMUEL RISLEY,

"Chairman of the Board of Steamboat Inspection.

"EDWARD R. ABELL, Esq.,

"Steamboat Inspector,

"Lower Fort Garry, Manitoba."

During the past year, 1,178 engineers' certificates have been issued, classed as follows:—

ENGINEERS' CERTIFICATES.

| | |
|--|-------|
| First-class Chief Engineers..... | 68 |
| Second " " | 149 |
| Third " " | 201 |
| First-class Assistant Engineers | 340 |
| Second " " | 177 |
| Third " " | 118 |
| Limited class, confining them to steamers which were considered specially qualified..... | 125 |
| Total..... | 1,178 |

The sum of twenty-eight hundred and seventy dollars has been paid to me on this account, and transferred to the Receiver-General to be placed to the credit of the Steamboat Inspection Fund.

TABLE A

Exhibits the gross and registered tonnage of steamboats in the Dominion at the close of each year, since 1873 to 1878, both years inclusive.

| Year. | Gross Tons. | Registered Tons. | Gross Tons. | Registered Tons. | Gross Tons. | Registered Tons. |
|-----------|-----------------------|----------------------|----------------------|----------------------|-------------|------------------|
| | | | Increase. | Increase. | Decrease. | Decrease. |
| 1873..... | 92,298 | 56,457 | | | | |
| 1874..... | 102,138 | 62,518 | | | | |
| 1875..... | 117,251 | 72,851 | 9,840 | 6,061 | | |
| 1876..... | 111,953 | 67,996 | 15,113 | 10,333 | | |
| 1877..... | 118,588 | 71,713 | | | 5,298 | 4,855 |
| 1878..... | 185,064 ²¹ | 94,377 ²¹ | 6,635 | 3,717 | | |
| | | | 36,476 ¹¹ | 22,564 ²¹ | | |

Table B Exhibits the gross and registered tonnage of all the steamboats in the several Divisions of the Dominion; also the amount of dues and fees collected on account of their inspection, together with the amount paid by Engineers for certificates during the calendar year ended 31st December, 1878.

TABLE B.

| Division. | Gross Tons. | Registered Tons. | Dues and Fees. |
|---|-------------|------------------|----------------|
| | | | \$ cts. |
| West Ontario, Huron and Superior..... | 53,786 03 | 35,086-98 | 3,258 78 |
| East Ontario..... | 17,238-00 | 10,111-00 | 1,103 43 |
| Montreal..... | 22,795-00 | 12,585-00 | 1,527 40 |
| Three Rivers..... | 20,734-00 | 12,353-00 | 1,037 89 |
| Maritime Provinces..... | 16,167-00 | 10,095-00 | 1,226 93 |
| Quebec..... | 16,711-00 | 8,744-00 | 825 56 |
| British Columbia..... | 6,363-15 | 4,514-23 | 467 93 |
| Manitoba..... | 1,270-53 | 888-07 | 137 45 |
| Engineers' fees..... | | | 2,870 00 |
| | | | \$12,455 37 |
| Steamboat dues and fees..... | | | 9,585 37 |
| Engineers' fees..... | | | 2,870 00 |
| | | | \$12,455 37 |
| Being a decrease from last year of \$1,662.04 | | | |
| Total revenue from the foregoing account for the year 1878..... | | | \$12,455 37 |
| Steamboat Inspection account..... | | | 9,585 87 |
| Engineers' fees account..... | | | 2,870 00 |
| Decrease from last year on whole account..... | | | 1,662 04 |

Table C exhibits the number and class of steam vessels in the Dominion at the close of the year. Included under this head are twelve grain elevators, fitted with steam power for moving them about the harbour at Montreal.

TABLE C.

| Division. | Number. | Paddle. | Screw. | Passenger. | Freight. | Tug. |
|---------------------------------------|---------|---------|--------|------------|----------|------|
| West Ontario, Huron and Superior..... | 224 | 35 | 189 | 93 | 37 | 94 |
| East Ontario..... | 99 | 30 | 69 | 58 | 13 | 28 |
| Montreal..... | 132 | 66 | 65 | 44 | 21 | 67 |
| Three Rivers..... | 60 | 47 | 13 | 32 | | 28 |
| Quebec..... | 103 | 53 | 50 | 25 | 1 | 77 |
| Maritime Provinces..... | 108 | 43 | 65 | 48 | 5 | 55 |
| British Columbia..... | 33 | 18 | 15 | 26 | | 7 |
| Manitoba..... | 11 | 7 | 4 | 6 | 3 | 2 |
| Totals..... | 771 | 300 | 470 | 333 | 80 | 258 |

STATEMENT of the number of steamers in the Dominion, as reported in Table C, during the ten years ending 31st December, 1878, with the increase from year to year.

| Years. | Number of Steamers. | Increase. |
|-----------|---------------------|-----------|
| 1869..... | 401 | 0 |
| 1870..... | 404 | 3 |
| 1871..... | 438 | 34 |
| 1872..... | 473 | 35 |
| 1873..... | 554 | 81 |
| 1874..... | 595 | 41 |
| 1875..... | 684 | 89 |
| 1876..... | 689 | 5 |
| 1877..... | 740 | 51 |
| 1878..... | 771 | 31 |

From the number of steamers in the above statement, at the close of each year, must be deducted the number put out of service during the same period, less those not inspected, and which are not returned in Table C.

Number of steamers returned, as per Table C, for the year 1878..... 771
do not returned do do 11

Total..... 782

Total number of steamers put out of service during the year..... 38

Number of steamers at the close of the year 1878..... 744

STATEMENT of Steamers added to the Dominion during the year 1878.

TABLE D.

| Division. | Number. | Gross Tons. | Registered Tons. | Paddle. | Screw. | Passenger. | Freight. | Tug. |
|---------------------------------------|---------|-------------|------------------|---------|--------|------------|----------|------|
| West Ontario, Huron and Superior..... | 15 | 2,729.53 | 1,825.34 | 2 | 13 | 7 | 2 | 6 |
| East Ontario..... | 8 | 532 | 314 | 1 | 7 | 7 | | 1 |
| Montreal..... | 7 | 358 | 167 | 2 | 5 | 5 | 1 | 1 |
| Three Rivers..... | 4 | 683 | 383 | 4 | | 2 | | 2 |
| Quebec..... | 5 | 123 | 61 | | 5 | | | 5 |
| Maritime Provinces..... | 3 | 95 | 91 | 1 | 2 | 2 | | 1 |
| British Columbia..... | 10 | 1,653.14 | 1,134.27 | 4 | 6 | 6 | 4 | |
| Manitoba..... | 6 | 551.78 | 379.04 | 3 | 3 | 3 | 1 | 2 |
| Totals..... | 58 | 6,725.45 | 4,354.65 | 17 | 41 | 32 | 8 | 18 |

STATEMENT of steamers lost, broken up, or put out of service during the year 1878.

TABLE E.

| Division. | Number. | Gross Tons. | Registered Tons. | Paddle. | Screw. | Passenger. | Freight. | Tug. |
|---------------------------------------|---------|---------------------|---------------------|---------|--------|------------|----------|-------|
| West Ontario, Huron and Superior..... | 14 | 1,329 ⁷⁸ | 982 ⁸³ | 3 | 11 | 6 | 2 | 6 |
| East Ontario..... | 4 | 493 | 311 | 1 | 3 | 3 | 1 | ..... |
| Montreal..... | 3 | 362 | 205 | 2 | 1 | ..... | ..... | 3 |
| Three Rivers..... | 2 | 141 | 47 | 2 | ..... | ..... | ..... | 2 |
| Quebec..... | 4 | 574 | 334 | 3 | 1 | 2 | ..... | 2 |
| Maritime Provinces..... | 7 | 435 | 367 | 3 | 4 | 5 | ..... | 2 |
| British Columbia..... | 3 | 435 ⁷¹ | 320 ¹³ | 3 | ..... | 1 | 1 | 1 |
| Manitoba..... | 1 | 15 | 10 | 1 | ..... | 1 | ..... | ..... |
| Totals..... | 38 | 3,785 ⁴⁴ | 2,576 ⁸⁷ | 18 | 20 | 18 | 4 | 16 |

CASUALTY RETURNS.

WEST ONTARIO, HURON AND SUPERIOR DIVISIONS.

Two lives were lost in this Division. One, a passenger on the steamer "F. B. Maxwell," an excursion steamer running between Toronto and Victoria Park. The accident is reported to have occurred at night, just after the steamer had left the park, about 500 yards from the landing dock. It was reported to the Captain that there was a man overboard. The steamer was at once stopped, a life preserver thrown-out, and the life boat lowered. The steamer backed up, and after half an hour, as no trace of the man could be found, the search was given up.

The second case occurred by the burning of the steamer "Lake Breeze," a passenger steamer running between Windsor and Leamington. No report has been made to me of the disaster by the owner or master of the steamer.

The tabular statement marked E exhibits 14 steamers as lost, broken up, or put out of service in this division during the year. Of this number, the tug "Modoc" foundered on Lake Huron in October, 1876, but was not reported to this office until March last.

Steamer "J. Holt," a passenger boat between Wallaceburg and Chatham, while on the route from the former to the latter place on the 21st June, when three miles off the south-west passage, at 2 o'clock in the afternoon, took fire and burned to the water's edge. The fire is reported to have originated at the bottom of the wooden jacket enclosing the smoke pipe, which extended below the main deck of the vessel. The pump hose was put on, but with no effect. It was blowing a gale of wind at the time.

Steamer "Silver Spray," passenger boat on Georgian Bay, was burned at the wharf at Owen Sound, while fitting out in the spring of the year, at night; origin of the fire not reported.

Steamer "Mary R. Robertson," freight boat. On the 22nd July the vessel left Byng Inlet on Georgian Bay, with a load of lumber for Chicago. On the passage out of the harbour she struck a rock. The captain put back and nearly reached the loading dock when the vessel sank. The engineer of the steamer reports that the ship's boats were in such leaky condition that had the vessel been any distance from shore they would have been useless; two men, he states, could not keep the best boat free of water. Two days after the vessel sunk she took fire from lumber piles on fire on the wharf and is reported a total loss.

Steamer "Okoura," passenger boat between Owen Sound and Wiarton on Georgian Bay, at 5 o'clock in the morning, while lying at her dock at Wiarton, was burned to the water's edge. The fire is supposed to have originated from a lamp, through carelessness of the watchman in charge of the boat.

Tug "Collingwood," out of Collingwood, when one mile west of Byng Inlet Light, at 11 o'clock at night, 19th July, took fire and sunk. Total loss; cause of fire unknown.

Steam barge "Jacques Cartier," of Windsor, driven ashore in a storm in October, about 8 miles off Goderich on Lake Huron. The crew, eight in number, got ashore in the yawl along with three other persons, whether passengers or not is not reported; one other person, also on the vessel, got ashore on a cedar log. It is shown in this case, where an ordinary yawl boat, 14 feet 6 inches keel was used, that such a boat would not carry more than 11 persons, one of the men preferring to take his chances on a cedar log to the risk of overcrowding the boat.

The presence on the barge of four persons besides the crew, would make it appear as if they were passengers; if such is the fact, the owners of the vessel ought to be prosecuted, as the vessel was equipped for the crew only, as a freight barge, and had no life-saving means for more than the crew; she was also running in violation of law without a certificate.

Tug "Mystic" lies sunk at Windsor.

Steam barge "Enterprise" when off Cove Island, Lake Huron, took fire near the smoke pipe; the pump and hose being in good working order and ready for instant use, it is thought was the means of saving the vessel, as it rarely happens that a fire anywhere about the inflammable materials around the boiler does not spread too quickly to be subdued.

Freight barge "Albion" on her way up from Montreal took fire at the wharf at Valleyfield at 5 a.m., 27th October; so rapid was the fire that the crew barely saved themselves. It is reported that they refused to work the fire pumps for fear of the boiler bursting. The town fire engine turned out and succeeded in saving a portion of the hull of the vessel.

Steamer "Quebec" of the North-West Transportation Company went ashore at full speed on Cockburn Island, Lake Huron, in November, in a snow storm. The vessel was scuttled to save her from going to pieces. After lightening up the cargo she was got off at great expense and taken to Detroit for repairs. Except both arches broken and some damage to the hull, the boat and machinery suffered no material damage. No official report has been furnished me of the disaster.

A few minor accidents to the machinery of steamers occurred, and are reported to me, but as they in no way endangered life, I shall omit further notice of them.

No complaints are reported except one, and that not substantiated, against engineers.

EAST ONTARIO DIVISION.

Steamer "Fairy" burned at the wharf October 2nd, at Harwood, Rice Lake. The "Fairy" was a little yacht, since been rebuilt and is now running.

Propeller "Armenia" when raising steam in the boiler, 20th April, the flange of the steam pipe where it joins the steam chest of the engine, broke, the escaping steam dangerously but not fatally scalding the engineer.

Steam barge "Norman" when lying at the wharf at Oswego, had her upper works burned 27th October.

Steamer "Peerless" run into by the steamer "Olive" and sunk in the Rideau Canal below Merrickville.

Tug "McArthur" on July 2nd, broke her port screw wheel; again, on the 28th August, the new screw gave way, and on the 10th of October, one of the piston bolts breaking, carrying the cylinder cover away and bending the piston rod.

No complaints against engineers.

MONTREAL DIVISION.

Steamer "Lincoln" owned by Sincennes & McNaughton, when in winter quarters at New Edinburgh, near Ottawa, was burnt to the water's edge in March. The "M. 16. D.," owned by the same firm was burnt at the same place in August following.

Steamer "Cantin," lying at anchor at St. Anns, was burnt to the water's edge and sunk; reported a total loss.

Steamer "Maude," of the Ottawa River Navigation Company, broke the strop of the skeleton beam while towing below Ottawa, breaking the cylinder, the piston going out through the head of it.

No complaints against engineers.

THREE RIVERS DIVISION.

Steamer "Rocket" collided with the steamer "Richelieu," October 22nd, off Cape Madelaine, a few miles below Three Rivers. The "Richelieu" sunk, the "Rocket" received some damage.

No complaints against engineers.

QUEBEC DIVISION.

Steamer "St. Croix," 17th October, burnt at the wharf at St. Croix Bay.

Steamer "Becancour," 23rd November, burnt at the Market Wharf, Quebec, at night. The pontoon of St. Andrews wharf broke away from its moorings at the same time and was carried up by the force of the wind and tide against the steamer, when both steamer and pontoon sunk.

No complaints against engineers.

MARITIME PROVINCES.

The screw passenger steamer "Dominion," from Yarmouth, N.S., to Boston, October 12th, lost her rudder; she was taken into Portland with the assistance of a sailing vessel, and a new rudder got.

No complaints against engineers.

BRITISH COLUMBIA DIVISION.

Steamer "Union" on her way down Fraser River, 30th July, with a load of hay. A spark from the boiler chimney set the hay on fire resulting in the total loss of the vessel.

No complaints against engineers.

MANITOBA DIVISION.

Steamer "Swallow," 2nd May, turned completely over in a gale of wind, and sunk near the city of Winnipeg, the vessel has been raised and is now employed as a freight boat.

Steamer "Northcote," 17th August, struck a sunken rock running the Coles Falls, on the Saskatchewan River. The vessel struck upon the starboard quarter

forward and across to the port side about two-thirds her length, breaking eighty-three frames and damaging her planking ; she has been since repaired.

Steamer "Victoria," 28th September, when ten miles below Selkirk, on the Red River, struck some sunken object which bent her screw shaft.

Except one, not proven, there are no complaints against engineers.

I am, Sir,

Your most obedient servant,

SAMUEL RISLEY,

Chairman, Board of Steamboat Inspection.

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1878, their Class and Place of Residence, the Year of their First Examination and Number of Renewals, the Name of the Steamer last employ, the Date of the Certificate and the Amount of the Fee.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | No. of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|-------------------------|--------------------|------------------------------|----------------------------------|------------------------------|------------------|----------------------------------|------------------------------|----------------|-----------------------|------------------------------|-------------------|----------------------|--------------|
| Atkins, William..... | ..... | 1 | 1872 | 1 | 6 | 1871 | 1 | February | Annapolis..... | Nil..... | Board..... | 1878 | 1 00 |
| Armstrong, John..... | L. | ..... | 1876 | 2 | 1 | 1876 | 5 | April..... | Morrisburg..... | Eureka..... | Taylor..... | do | 5 00 |
| Achilles, J. Orson..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | May..... | Nagoue..... | Riter..... | Befor..... | do | 5 00 |
| Angell, Wm. G. | L. | ..... | ..... | ..... | ..... | 1874 | 3 | June..... | Oswego, U.S..... | Kincardine..... | Taylor..... | do | 5 00 |
| Atkinson, Wm..... | ..... | 1 | 1869 | 1 | 9 | ..... | ..... | July..... | Fredericton, N.B..... | Forty-Second..... | Board..... | do | 1 00 |
| Elight, Richard..... | L. | ..... | ..... | ..... | ..... | 1876 | 3 | May..... | Victoria, B.C..... | Grappler..... | Westgarth..... | do | 5 00 |
| Bellair, Francois..... | ..... | 1 | 1870 | 1 | 8 | 1869 | 1 | April..... | Montreal..... | C. M. Riter..... | Board..... | do | 1 00 |
| Brown, James..... | L. | ..... | 1872 | 1 | 6 | 1878 | 1 | May..... | Niagara..... | Bouquet..... | Risley..... | do | 6 00 |
| Bell, James..... | ..... | 3 | 1876 | 1 | 2 | ..... | ..... | do..... | Hamilton..... | Armenia..... | Board..... | do | 1 00 |
| Barton, Wm. J. | L. | ..... | 1874 | 3 | 2 | 1878 | 1 | do..... | St. John, N.B..... | Fawn..... | Smith..... | do | 5 00 |
| Batte, Geo. E..... | ..... | 2 | 1876 | 2 | 1 | ..... | ..... | January..... | P. Edward Island..... | Nil..... | Board..... | do | 1 00 |
| Bampton, James..... | ..... | 1 | 1870 | 3 | 6 | ..... | ..... | do..... | Port Robinson..... | Minerva..... | do..... | do | 1 00 |
| Brunette, Honore..... | ..... | 1 | 1870 | 2 | 7 | ..... | ..... | do..... | Lachine..... | White Bird..... | do..... | do | 1 00 |
| Bolduc, Honore..... | 3 | ..... | 1860 | 1 | 18 | ..... | ..... | do..... | Lévis..... | Samson..... | do..... | do | 1 00 |
| Bowmer, Robert..... | ..... | 3 | 1878 | 1 | ..... | ..... | ..... | February..... | Fredericton, N.B..... | Nil..... | do..... | do | 5 00 |

| | | | | | | | | | | |
|----------------------------|----|-------|-------|-------|-----------------|-------------------|--------------|---------------------|----------------|------|
| Boone, Jared..... | 3 | 1878 | 1 | ..... | ..... | do | do | Nil..... | do | 5 00 |
| Bell, David | 1 | 1875 | 2 | ..... | Newcastle | do | do | Nil..... | do | 1 00 |
| Brown, George | L. | ..... | ..... | ..... | Manitoba | do | do | Malaga..... | Abell | 5 00 |
| Barron, George | 2 | 1868 | 1 | 10 | do | Kingston..... | do | Elfin..... | Board | 1 00 |
| Bellerive, Laurent..... | 3 | 1860 | 1 | 18 | do | Quebec..... | do | Royal..... | do | 1 00 |
| Battelle, Fred..... | L. | 1876 | 2 | 1 | 1877 | 2 | do | Flight | Taylor..... | 5 00 |
| Barton, Wm. J..... | L. | 1874 | 3 | 2 | 1878 | 1 | do | Fawn..... | Smith | 5 00 |
| Bartliff, Henry..... | 3 | 1867 | 1 | 11 | do | do | Chatham..... | Steinhoff | Board | 1 00 |
| Brown, Richard..... | 3 | 1877 | 1 | 1 | 1876 | 1 | June | Wales..... | do | 1 00 |
| Bothwell, Wm | 2 | 1875 | 2 | 2 | ..... | Valleyfield | do | Wood | do | 1 00 |
| Bothwell, George | 3 | 1872 | 4 | 3 | 1870 | 1 | do | do | do | 1 00 |
| Beaudette, Lazare..... | 2 | 1874 | 1 | 4 | ..... | Quebec..... | do | Lady Fond | do | 1 00 |
| Bellefeuille, Joachim..... | 1 | 1871 | 3 | 5 | ..... | Beauharnois..... | do | C. Anderson..... | do | 1 00 |
| Brown, Wm..... | 3 | 1866 | 1 | 12 | do | Kingston | do | Carillon..... | do | 2 00 |
| Banks, Erastus..... | 3 | 1872 | 1 | 6 | 1871 | 1 | do | Nil..... | do | 1 00 |
| Bell, John | 3 | 1869 | 1 | 9 | do | Port Dover..... | do | Alma Munro..... | do | 1 00 |
| Brown, William..... | 3 | 1866 | 1 | 12 | do | Kingston..... | do | Carillon..... | do | 2 00 |
| Brant, Stuart..... | L. | ..... | ..... | ..... | 1878 | 1 | September | Lily Nicholson..... | Taylor..... | 5 00 |
| Crossley, Livi N..... | 1 | 1874 | 2 | 3 | 1876 | 1 | January | F. Hotchkiss..... | Board..... | 1 00 |
| Champagne, E., sen.... | 2 | 1860 | 1 | 18 | do | Montreal | do | Portneuf..... | do | 1 00 |
| Carrigan, Delp ine..... | 3 | 1876 | 1 | 2 | do | Lévis | do | Conqueror No. 2.... | do | 2 00 |
| Couture, Louis..... | 2 | 1876 | 2 | 1 | do | do | do | Fog Alarm..... | do | 1 00 |
| Chestnut, James | 3 | 1872 | 4 | 3 | 1875 | 1 | do | Prussia..... | do | 1 00 |
| Cayen, Jean..... | 2 | 1860 | 1 | 18 | do | Montreal | do | Longueuil..... | do | 1 00 |
| Clarke, James A..... | L. | 1878 | 1 | ..... | 1878 | 2 | February.. | Gem..... | Westgarth..... | 5 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1878—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|------------------------|--------------------|------------------------------|----------------------------------|------------------------------|--------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Ciisoid, Joseph..... | ..... | 1 | 1870 | 2 | 7 | 1875 | 1 | March..... | Goderich..... | Geo. Maythem..... | Board..... | 1878. | 1 00 |
| Grandell, George..... | 3 | ..... | 1860 | 1 | 18 | ..... | ..... | April..... | Lindsay..... | Nil..... | do..... | do | 1 00 |
| Craigie, John..... | L. | ..... | ..... | ..... | ..... | 1871 | 3 | do..... | Victoria Harbor, O | Bella Taylor..... | Esley..... | do | 5 00 |
| Carrick, John..... | 2 | ..... | 1870 | 1 | 8 | ..... | ..... | do..... | St. John, N.B. ... | Sunbury..... | Board..... | do | 1 00 |
| Chalk, Michael..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | do..... | Oakville..... | Winnipeg..... | do..... | do | 5 00 |
| Caldwell, W. McC..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | May..... | Manitoba..... | Lady Ellen..... | Abell..... | do | 5 00 |
| Cain, John E..... | ..... | 1 | 1873 | 1 | 5 | ..... | ..... | do..... | Quebec..... | Nil..... | Board..... | do | 1 00 |
| Oline, Geo. M..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | June..... | Massena..... | Enterprise..... | Taylor..... | do | 5 00 |
| Collins, Anthony..... | ..... | 2 | 1874 | 2 | 3 | ..... | ..... | July..... | Portage du Fort... | P. Arthur .. | Board..... | do | 2 00 |
| Cossebonne, J. B..... | L. | ..... | 1874 | 2 | 3 | ..... | ..... | do..... | Fredericton, N.B. | Soulanges..... | Smith..... | do | 5 00 |
| Cooke, R. I..... | L. | ..... | 1876 | 2 | 1 | 1877 | 2 | do..... | Pictou, N.S..... | Albert..... | do..... | do | 5 00 |
| Cameron, Allen J..... | 2 | ..... | 1866 | 2 | 11 | ..... | ..... | do..... | Collingwood..... | Chicora..... | Board..... | do | 1 00 |
| Costello, Patrick..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | July..... | Port Dalhousie ... | Powell Beger | Meneilley | do | 5 00 |
| Carment, Wm. M..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | August..... | Winnipeg..... | Keewatin..... | Abell .. | do | 5 00 |
| Cash, James..... | L. | ..... | ..... | ..... | ..... | 1876 | 2 | do..... | New Westminster.. | Glendra..... | Westgarth..... | do | 5 00 |
| Clancey, James..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | September | Montreal..... | Argyle..... | Burgess..... | do | 5 00 |
| Crisher, Warren..... | ..... | 3 | 1874 | 1 | 4 | 1873 | 1 | October..... | Wallaceburg..... | Nil..... | Board..... | do | 1 00 |

| | | | | | | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------------|---------------------|---------------------|----------------|------|
| Crisner, Warren..... | L. | 1874 | 1 | 3 | 1873 | 2 | do | do | Ontario..... | do | 5 00 |
| Dungan, John..... | 2 | 1862 | 1 | 16 | ..... | ..... | January... | Prescott | John Egan | do | 1 00 |
| Dickson, John H..... | ..... | 1 | 3 | 5 | 1870 | 1 | February. | Kingston | Muskegon | do | 1 00 |
| Day, David ..... | ..... | 1 | 1 | 3 | ..... | ..... | do | Mill Village. | LaHave | do | 3 00 |
| Dunn, Charles G..... | ..... | 1 | 1 | 2 | 1873 | 2 | do | Toronto | St. John Baptiste . | do | 1 00 |
| Daly, Wm..... | ..... | 2 | 2 | 3 | ..... | ..... | March | do | Nil | do | 2 00 |
| Dillon, Hugh Wm..... | L. | ..... | ..... | ..... | 1878 | 1 | April | Midland City..... | Minnie Hall..... | Risley..... | 5 00 |
| Dunn, George..... | L. | ..... | ..... | ..... | 1871 | 2 | do | Walkerville. | Ada E. Allen | do | 5 00 |
| Daly, William..... | L. | 1874 | 2 | 3 | 1878 | 1 | do | Hamilton | Dronedary..... | do | 5 00 |
| Davy, John | L. | 1875 | 1 | 3 | 1874 | 4 | May | Parry Sound..... | Mittie Grew | do | 5 00 |
| Dewey, Thos..... | ..... | 2 | 2 | 3 | ..... | ..... | do | St. Catharines..... | Zealand | Board | 1 00 |
| Davidson, John..... | ..... | 1 | 3 | 3 | 1877 | 1 | do | do | Lake Ontario..... | do | 1 00 |
| Derry, Wm | 3 | 1870 | 3 | 6 | ..... | ..... | do | Kingston | Maud | do | 1 00 |
| Drysdale, James S..... | 2 | 1862 | 1 | 16 | ..... | ..... | June..... | Montreal | Valetta | do | 1 00 |
| Drew, Nathaniel..... | 2 | 1860 | 3 | 6 | 1869 | 1 | do | do | St. George..... | do | 1 00 |
| Dunn, Henry..... | 3 | 1865 | 1 | 13 | ..... | ..... | do | Chatham | Ontario | do | 1 00 |
| Davis, James..... | 1 | 1861 | 1 | 17 | ..... | ..... | July..... | Kingston | City of Kingston... | do | 1 00 |
| Drysdale, Wm. S..... | ..... | 1 | 2 | 3 | ..... | ..... | do | Montreal | Valetta | do | 1 00 |
| Drysdale, Thos..... | 1 | 1868 | 3 | 8 | ..... | ..... | do | Quebec | Rimouski..... | do | 1 00 |
| Donovan, James | L. | ..... | ..... | ..... | 1878 | 1 | September | Victoria, B.C..... | Grappier | Westgarth..... | 5 00 |
| Elliott, Wm. Alfred.... | 1 | 1876 | 1 | 2 | ..... | ..... | January.... | do | Otter | Board..... | 1 00 |
| Eccroyd, Geo. J..... | ..... | 2 | 1 | 1 | ..... | ..... | January.... | Montreal | Venezia | Board | 1 00 |
| Evans, Wm. B..... | L. | 1877 | 1 | 1 | 1875 | 2 | May..... | St. John, N.B..... | May Queen. | Smith | 5 00 |
| Ellis, James H..... | L. | 1875 | 3 | 1 | 1875 | 2 | June | Toronto | W. T. Robb | Risley | 5 00 |
| Edgar, James..... | L. | 1872 | 2 | 5 | 1878 | 1 | do | Dunnville | Jessie' | Mencilly | 5 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1878—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | No. of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|-------------------------|--------------------|------------------------------|----------------------------------|------------------------------|------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------|
| | | | | | | | | | | | | | \$ cts |
| Francombe, George .. | 1 | ..... | 1861 | 1 | 17 | ..... | ..... | January .. | Windsor..... | Saulenburg..... | Board | 1878 | 1 00 |
| Feightner, Joseph..... | ..... | 2 | 1876 | 1 | 2 | 1877 | 1 | do .. | Collingwood | S. Davis..... | do | do | 1 00 |
| Francombe, John..... | 1 | ..... | 1861 | 1 | 17 | ..... | ..... | do .. | ..... | ..... | ..... | do | 1 00 |
| Filtean, Octave | 2 | ..... | 1860 | 1 | 18 | ..... | ..... | do .. | Montreal..... | Fawn..... | Board | do | 1 00 |
| Fullerton, John..... | ..... | 2 | 1877 | 1 | 1 | ..... | ..... | do .. | Victoria, B.C..... | Beaver | do | do | 1 00 |
| Fournier, Wm..... | ..... | 2 | 1874 | 2 | 3 | ..... | ..... | do .. | Montreal..... | Nil..... | do | do | 1 00 |
| Fee, David Findley..... | 1 | ..... | 1876 | 1 | 2 | ..... | ..... | February.. | Victoria, B.C..... | Enterprise..... | do | do | 1 00 |
| Fitzpatrick, James..... | 2 | ..... | 1865 | 1 | 13 | ..... | ..... | March..... | Cobden..... | C. O. Kelly..... | do | do | 1 00 |
| Foster, Robert..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | April | Victoria, B.C..... | Nil..... | Westgarth..... | do | 5 00 |
| Finnan, John | 3 | ..... | 1868 | 2 | 9 | ..... | ..... | May | Gananoque | America..... | Board | do | 1 00 |
| Francombe, Geo ..... | ..... | 3 | 1878 | 1 | ..... | ..... | ..... | do | Windsor..... | Lothair..... | do | do | 5 00 |
| Filtean, Benjamin..... | 1 | ..... | 1860 | 1 | 18 | ..... | ..... | do | Levis | M. Stevenson..... | do | do | 1 00 |
| Filtean, Joseph..... | 1 | ..... | 1860 | 1 | 18 | ..... | ..... | do | do | St. Andrew..... | do | do | 1 00 |
| Foster, James H. | L. | ..... | 1877 | 2 | ..... | 1878 | 1 | June | Wallaceburg..... | Hero..... | Risley | do | 1 00 |
| Fortin, Antoine..... | L. | ..... | 1877 | 2 | ..... | 1878 | 1 | do | Sorel..... | St. Louis..... | Beaufort..... | do | 5 00 |
| Finnan, John | L. | ..... | 1868 | 2 | 9 | 1878 | 1 | do | Gananoque..... | Oswego Belle..... | Menelley..... | do | 5 00 |
| Fero, Solomon..... | L. | ..... | 1875 | 2 | 2 | 1876 | 3 | August..... | Port Robinson..... | M. R. Mitchell..... | Risley | do | 5 00 |

| | | | | | | | | | | | | | |
|--------------------|----|---|------|---|------|---|---|----|-----------------|----------------|-----------|----|------|
| Foley, James | L. | | | | | | | do | Sherbrooke, Que | Enterprise | Befort | do | 5 00 |
| Girard, Oliver | | 1 | 1873 | 3 | 1878 | 1 | 1 | do | Sorel | Nil | Board | do | 1 00 |
| Galbraith, Wm | | 1 | 1877 | 1 | | | | do | Victoria, B.C. | Alexander | do | do | 1 00 |
| Goyette, Charles | | 1 | 1869 | 2 | | | | do | Kingston | Scotia | do | do | 1 00 |
| Gallivan, John | 3 | | 1867 | 1 | | | | do | do | Olive | do | do | 1 00 |
| Greige, Charles | | 2 | 1876 | 1 | | | | do | Halifax | Shattuck | Board | do | 1 00 |
| Grier, James | | 2 | 1877 | 1 | 1876 | 2 | | do | Thornburg | Rescue | do | do | 1 00 |
| Grimard, Amie | 2 | | 1860 | 1 | | | | do | Longueuil | Longueuil | do | do | 1 00 |
| Grier, James | L | | 1877 | 1 | 1876 | 3 | | do | Collingwood | Rescue | do | do | 5 00 |
| Goulding, Henry | 1 | | 1877 | 1 | | | | do | Quesnelle | Victoria, B.C. | do | do | 1 00 |
| Glandin, F. X. | 2 | | 1860 | 1 | | | | do | Montreal | Nil | do | do | 1 00 |
| Grant, Gordon F. | L | | | | | | | do | Victoria, B.C. | Grappier | Westgarth | do | 5 00 |
| Gillies, John F. | | 2 | 1877 | 1 | | | | do | Montreal | Nil | Board | do | 1 00 |
| Gillies, John F. | L | | 1877 | 1 | 1878 | 1 | | do | do | Lily Nicholson | Taylor | do | 5 00 |
| Gillespie, Oliver | L | | 1866 | 1 | 1878 | 1 | | do | Cornwall | F. B. Maxwell | Risley | do | 5 00 |
| Greenlaw, Robt. | L | | | | 1878 | 1 | | do | Toronto | F. L. Baines | Meneilley | do | 5 00 |
| Gardner, George | L | | | | 1878 | 1 | | do | New Westminster | Brunette | Westgarth | do | 5 00 |
| Hamelin, Zepherin | | 1 | 1871 | 3 | | | | do | Montreal | Wild Goose | Board | do | 1 00 |
| Holland, Wm | 2 | | 1868 | 1 | | | | do | do | Manitoba | do | do | 1 00 |
| Hattersley, Edward | 1 | | 1876 | 2 | | | | do | Kamloops | Marten | do | do | 1 00 |
| Hickey, Patrick | 3 | | 1876 | 1 | | | | do | Buzzard Inlet | Etta White | do | do | 1 00 |
| Hood, William | 1 | | 1860 | 1 | | | | do | Montreal | Osprey | do | do | 1 00 |
| Hardy, Joseph | 3 | | 1865 | 1 | | | | do | Kingston | Alliance | do | do | 1 00 |
| Hart, James | L | | 1878 | 1 | 1878 | 1 | | do | Buzzard Inlet | Lily | Westgarth | do | 5 00 |
| Hickey, Thomas | 3 | | 1869 | 3 | | | | do | Hamilton | Zealand | Board | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1878.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|----------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|------------------------|------------------------------|-------------------|----------------------|--------------|
| Hopkins, Wm..... | 3 | ..... | 1866 | 1 | 12 | ..... | ..... | February. | Penetanguishene..... | Bella Taylor..... | Board..... | 1878 | 1 00 |
| Huff, George..... | L | ..... | 1877 | 2 | ..... | 1877 | 2 | April..... | do..... | Mary Beck..... | Meneilley..... | do | 5 00 |
| Hardy, Cyrus..... | L | ..... | ..... | ..... | ..... | 1878 | 1 | do..... | Victoria, B.C..... | Gertrude..... | Westgarth..... | do | 5 00 |
| Howell, John..... | L | ..... | ..... | ..... | ..... | 1878 | 1 | do..... | do..... | Emma..... | do..... | do | 5 00 |
| Hart, Francis..... | L | ..... | 1878 | 1 | ..... | 1877 | 2 | do..... | Meaford..... | Sandford Davis..... | Risley..... | do | 5 00 |
| Hay, John..... | 3 | ..... | 1867 | 1 | 11 | ..... | ..... | May..... | Toronto..... | Nil..... | Board..... | do | 1 00 |
| Hart, John..... | L. | 3 | 1875 | 1 | 2 | 1877 | 2 | May..... | Kingston..... | Grenville..... | Taylor..... | do | 5 00 |
| Hamel, Alfred..... | ..... | 1 | 1873 | 3 | 3 | ..... | ..... | do..... | Quebec..... | St. Lawrence..... | Board..... | do | 1 00 |
| Hart, John..... | ..... | 3 | 1875 | 1 | 3 | 1877 | 1 | do..... | Kingston..... | Herald..... | do..... | do | 1 00 |
| Hall, Alexander..... | L. | ..... | 1878 | 1 | ..... | 1877 | 2 | June..... | Lakefield..... | Tiger..... | Taylor..... | do | 5 00 |
| Howe, J. C..... | L. | ..... | 1878 | 1 | ..... | 1878 | 1 | do..... | Port Dathousie..... | J. H. Doyle..... | Meneilley..... | do | 5 00 |
| Hughes, James..... | 2 | ..... | 1862 | 1 | 16 | ..... | ..... | July..... | Arnprior..... | Ripple..... | Board..... | do | 1 00 |
| Howard, John..... | 2 | ..... | 1868 | 1 | 10 | ..... | ..... | do..... | Sackett's Harbour..... | Abyssinian..... | do..... | do | 5 00 |
| Hill, J. E..... | L. | ..... | 1875 | 3 | 1 | 1874 | 2 | do..... | Toronto..... | Oswego Belle..... | Meneilley..... | do | 5 00 |
| Hare, Michael..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | August..... | Victoria, B.C..... | Woodside..... | Westgarth..... | do | 5 00 |
| Hohn, Henry..... | L. | ..... | 1878 | 1 | ..... | 1878 | 1 | do..... | Port Lambton..... | Thane..... | Risley..... | do | 5 00 |
| Hoverley, Slias..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | do..... | Owen Sound..... | Fanny..... | Meneilley..... | do | 5 00 |

| | | | | | | | | | | |
|----------------------|----|------|---|----|----------|------------------|--------------------|-----------|----|------|
| Johnson, George | 1 | 1869 | 3 | 7 | January | Trenton | Utica | Board | do | 1 00 |
| Jacques, Simon | 3 | 1876 | 1 | 2 | do | St. Antoine | Hero | do | do | 1 00 |
| Johnson, Joseph D. | 3 | 1872 | 3 | 4 | February | Penetanguishene | Georgiana | do | do | 1 00 |
| Jones, Felix | 3 | 1870 | 3 | 6 | March | Amherstburg | Leake Breeze | do | do | 1 00 |
| Johnson, Wm. | L. | | | | May | Manitoba | City of Manchester | Abell | do | 5 00 |
| James, James | L. | | | | do | Victoria, B.C. | Gertrude | Westgarth | do | 5 00 |
| Johnson, Nicol | | 1876 | 1 | 2 | June | Coldwater | Nil | Board | do | 1 00 |
| Johnson, Nicol | L. | 1876 | 1 | 2 | do | do | Maid of Midland | Meneilley | do | 5 00 |
| Jardine, Patrick | | 1870 | 1 | 8 | July | Portage du Fort | Deux Rivieres | Board | do | 1 00 |
| Johnson, George | L. | 1869 | 3 | 7 | do | Trenton | Annie Gebt | Taylor | do | 5 00 |
| Kenny, Robert | | 1873 | 2 | 4 | March | Hamilton | Revoked | Board | do | 5 00 |
| Keely, Martin | L. | | | | do | Victoria, B.C. | Etta White | Westgarth | do | 5 00 |
| Kennedy, David | L. | | | | April | Seattle | Isabel | do | do | 5 00 |
| Kaney, Terence | | 1870 | 3 | 6 | do | Pembroke | Kippewa | Board | do | 1 00 |
| Kerr, David | 2 | 1874 | 1 | 4 | May | Hamilton | Canada | do | do | 1 00 |
| Kinnon, John | L. | | | | May | Meaford | Carriella | Meneilley | do | 5 00 |
| Kelly, John | L. | 1878 | 1 | | do | Victoria Harbour | Prince Alfred | do | do | 5 00 |
| Keaney, Philip | | 1873 | 2 | 4 | June | Montreal | Philip Bicker | Board | do | 1 00 |
| Kerr, Atchison, sen. | 1 | 1860 | 1 | 18 | do | Orillia | Emily May | do | do | 1 00 |
| Lemay, Alphonse | | 1875 | 1 | 3 | January | Montreal | John Young | do | do | 2 00 |
| Lepine, Natile | | 1871 | 1 | 7 | do | Carillon | Canada | do | do | 1 00 |
| Latonde, Alphonse | | 1872 | 2 | 5 | do | Rigaud | Nil | do | do | 1 00 |
| Lariviere, Pierre | 2 | 1860 | 1 | 18 | do | Montreal | National | do | do | 1 00 |
| Leclaire, Jean B. | | 1875 | 1 | 3 | do | Lachine | Prussia | do | do | 1 00 |
| Lockhar, Jas. King | 3 | 1876 | 1 | 2 | do | Burrard Inlet | Union | do | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1878.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Lec, Christopher | 2 | ..... | 1876 | 1 | 2 | ..... | ..... | January .. | New Westminster. | Glenora..... | Board..... | 1878 | 1 00 |
| Lapointe, Joseph..... | ..... | 1 | 1867 | 1 | 11 | ..... | ..... | do .. | Lévis..... | Aurelia..... | do | do | 1 00 |
| Lapointe, Michel..... | ..... | 1 | 1870 | 1 | 8 | ..... | ..... | do .. | do | Norwegian | do | do | 1 00 |
| Little, David..... | ..... | 1 | 1877 | 1 | 1 | ..... | ..... | February.. | New Westminster. | Ada..... | do | do | 1 00 |
| Lee, Fred. Augustus.. | L. | ..... | 1877 | 1 | 1 | 1877 | 2 | March..... | do | Gem | Westgarth..... | do | 5 00 |
| Langlois, Olivier..... | ..... | 1 | 1870 | 3 | 6 | ..... | ..... | do .. | Lévis..... | Rover | Board..... | do | 1 00 |
| Lapointe, Frank..... | ..... | 2 | 1868 | 2 | 9 | 1875 | 2 | May..... | Manitoba..... | M. R. Mills | do | do | 1 00 |
| Logan, S. J..... | L. | ..... | ..... | ..... | ..... | 1878 | 1 | June..... | Morrisburgh | Kendrick | Taylor..... | do | 5 00 |
| Leclair, Wm..... | L. | ..... | 1868 | 1 | 10 | 1878 | 1 | do | Sorel..... | City of St. John... .. | Befort..... | do | 5 00 |
| Lumsden, George..... | L. | ..... | ..... | ..... | ..... | 1877 | 2 | August..... | Winnipeg | Prince Alfred..... | Abell | do | 5 00 |
| Lafleur, Jean B..... | ..... | 1 | 1869 | 1 | 9 | ..... | ..... | do .. | Sorel..... | Bismark..... | Board..... | do | 1 00 |
| Morrison, Donald..... | ..... | 1 | 1877 | 1 | 1 | 1876 | 1 | January .. | Silver Islet..... | Hattie Vinton..... | do | do | 1 00 |
| Merrill, S. G..... | ..... | 3 | 1876 | 1 | 2 | ..... | ..... | do .. | Dresden..... | Nil | do | do | 1 00 |
| Menish, Angus..... | ..... | 1 | 1869 | 1 | 9 | ..... | ..... | do .. | Sorel..... | Tug | do | do | 1 00 |
| Mallory, Charles .. | ..... | 1 | 1873 | 3 | 3 | ..... | ..... | do .. | Lindsay | Port Perry..... | do | do | 1 00 |
| Miller, John..... | 2 | ..... | 1865 | 1 | 13 | ..... | ..... | do .. | Kingston..... | Fraulin | do | do | 1 00 |
| Miller, John..... | ..... | 1 | 1872 | 1 | 6 | ..... | ..... | do .. | Windsor..... | Silver Spray | do | do | 1 00 |

| | | | | | | | | | | | |
|-----------------------|----|------|---|------|------|----------|------------------|-----------------|-----------|------|------|
| Marwick, Jas. Holland | 1 | 1877 | 1 | 1 | 1 | January | Burrard Inlet | Leviathan | Board | 1878 | 1 00 |
| Mayers, Christian | 1 | 1876 | 1 | 2 | 1 | do | N. Westminster | Leviathan | do | do | 1 00 |
| Madigan, Benjamin | 2 | 1876 | 1 | 2 | 1 | do | Victoria, B.C. | Beaver | do | do | 1 00 |
| Menauteau, August | 3 | 1877 | 1 | 1 | 1 | do | Kamloops | Kamloops | do | do | 1 00 |
| Menauteau, August | L. | 1877 | 1 | 1 | 1878 | do | do | do | Westgarth | do | 5 00 |
| Milne, Thos | 3 | 1869 | 3 | 7 | 1 | do | Quebec | Resolute | Board | do | 1 00 |
| Morin, Pierre | 3 | 1860 | 1 | 18 | 1 | do | Lévis | Hero | do | do | 1 00 |
| Mowbray, James | 1 | 1872 | 1 | 6 | 1 | February | St. John | do | do | do | 1 00 |
| Murphy, Thos, No. 2 | 2 | 1872 | 2 | 5 | 1872 | March | Marboro' | Joe Knight | do | do | 1 00 |
| Merriam, Charles | L. | 1875 | 1 | 3 | 1878 | April | Mill Point | Pilgrim | Taylor | do | 5 00 |
| Muir, Archd. Connel | L. | 1878 | 1 | 1878 | 1 | do | Nanaimo | Pilot | Westgarth | do | 5 00 |
| Malcolmson, S. S. | 2 | 1861 | 2 | 16 | 1 | do | St. Catharines | Nil | Board | do | 1 00 |
| Mays, John | 1 | 1877 | 1 | 1 | 1876 | do | Halifax, N.S. | Leopard | do | do | 1 00 |
| Mays, D. B. | 3 | 1869 | 2 | 8 | 1 | do | St. John, N.B. | Ada G. | do | do | 1 00 |
| Montgomery, Saml | 1 | 1873 | 3 | 3 | 1875 | do | Bobcaygeon | do | do | do | 1 00 |
| Munro, George | L. | 1865 | 1 | 13 | 1 | May | Glencoe | City of Toronto | do | do | 1 00 |
| Moore, John A. | 1 | 1877 | 1 | 1 | 1878 | do | St. Louis Island | Northcote | Abell | do | 5 00 |
| Mitchell, Wm | 2 | 1864 | 1 | 14 | 1 | do | Hamilton | Dennis Bowen | Board | do | 1 00 |
| Marchand, Edward | L. | 1875 | 2 | 2 | 1878 | do | Ottawa | Orford | Burgess | do | 5 00 |
| Munson, W. H. | L. | 1871 | 2 | 1871 | 2 | do | Niagara | Starling | Risley | do | 5 00 |
| Morrison, Martin | L. | 1878 | 1 | 1878 | 1 | do | Silver Islet | Silver Spray | do | do | 5 00 |
| Morin, Pierre | L. | 1876 | 3 | 1876 | 3 | do | P. A. Landing | Neff | do | do | 5 00 |
| Morrison, Donald | L. | 1877 | 2 | 1877 | 2 | July | Perth | Peerless | Taylor | do | 5 00 |
| Moffatt, Thos | L. | 1878 | 1 | 1878 | 1 | do | Collingwood | Ben. Millward | McNeilley | do | 5 00 |
| Millward, Benjamin | L. | 1878 | 1 | 1878 | 1 | do | Collingwood | Ben. Millward | McNeilley | do | 5 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1878.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------|
| | | | | | | | | | | | | | \$ cts |
| Murphy, Thos., No. 3. | L. | | 1873 | 2 | 4 | 1871 | 4 | July | Newboro' | J. H. Dolye | Mencilly | 1878. | 5 00 |
| Moore, J. Watson | L. | | | | | 1878 | 1 | August | New Westminster. | George | Westgarth | do | 5 00 |
| Mills, James | L. | | | | | 1878 | 1 | do | Thunder Bay | A. Neff | Risley | do | 5 00 |
| McManus, P. T. | 2 | | 1865 | 1 | 13 | | | January | Battle | J. Cassels | Board | do | 1 00 |
| McArthur, Jas., No. 2. | L. | | 1878 | 1 | | 1878 | 1 | April | New Westminster. | Royal City | Westgarth | do | 5 00 |
| McPherson, W. C. | 3 | | 1872 | 3 | 4 | | | do | Montreal | A. H. Baldwin | Board | do | 1 00 |
| McKenzie, Wm. | L. | | 1874 | 2 | 3 | 1877 | 2 | do | St. John, N.B. | May Queen | Smith | do | 5 00 |
| McDonald, Daniel | | 2 | 1877 | 1 | 1 | | | do | Halifax, N.S. | Daisy | Board | do | 1 00 |
| McKinnon, A. | | 1 | 1875 | 1 | 3 | 1874 | 1 | do | St. John, N.B. | Tiger | do | do | 1 00 |
| McNeil, John | | 1 | 1869 | 3 | 7 | | | May | Ottawa | A. McMahon | do | do | 1 00 |
| McMillan, Daniel | | 1 | 1876 | 1 | 2 | 1875 | 1 | do | Montreal | Calabria | do | do | 2 00 |
| McPherson, Thomas | L. | | | | | 1878 | 1 | do | Manitoba | Prince Rupert | Abell | do | 5 00 |
| McIver, Roderick | L. | | | | | 1878 | 1 | do | Victoria, B.C. | Grappier | Westgarth | do | 5 00 |
| McArthur, Jas., No. 1. | L. | | 1870 | 3 | 6 | 1876 | 3 | do | Montreal | Albion | Mencilly | do | 5 00 |
| McGillivray, James | L. | | 1878 | 1 | | 1877 | 2 | do | Washburne | Rose | Taylor | do | 5 00 |
| McLeod, Kenneth | L. | | 1877 | 2 | | 1877 | 2 | June | Wallaceburg | Beaver | Risley | do | 5 00 |
| Murray, Alex. | 2 | | 1869 | 1 | 9 | | | July | St. John, N.B. | Dredge | Board | do | 1 00 |

| | | | | | | | | | | |
|------------------|----|------|---|------|------|-----------|-------------------|-----------------|-----------|------|
| McMurray, J. B. | 1 | 1872 | 1 | 6 | do | do | Lincoln | do | do | 1 00 |
| Newton, James | L. | 1878 | 1 | 1878 | 1 | January | Ottawa | Engineer | Burgess | 5 00 |
| Nichols, Thomas | L. | 1877 | 1 | 1877 | 2 | March | Chatham | Comet | Risley | 5 00 |
| Nash, Russel | | 1871 | 3 | 1875 | 1 | July | Morrisburg | Lorena | Board | 1 00 |
| O'Neill, M. J. | L. | 1877 | 2 | 1878 | 1 | June | Newborough | Clara Louise | Taylor | 5 00 |
| Painter, John | 3 | 1869 | 1 | 9 | | January | Kingston | Franklin | Board | 1 00 |
| Paquin, Narcisse | | 1874 | 2 | 3 | | January | Deschambault | Bee | do | 1 00 |
| Potts, Frederick | 3 | 1873 | 4 | 2 | | do | St. Catharines | Wenonah | do | 1 00 |
| Paul, Charles | L. | 1876 | 2 | 1 | 1878 | February | Burrard Inlet | Maggie | Westgarth | 5 00 |
| Powers, Jeffrey | 3 | 1866 | 1 | 12 | | March | Ottawa | Welshman | Board | 2 00 |
| Price, Alfred E. | | 1875 | 2 | 2 | 1874 | do | St. Catharines | NH | do | 1 00 |
| Pratt, Wm. T. | 1 | 1872 | 1 | 6 | | May | St. John | Rothsay | do | 1 00 |
| Philpott, Richd | L. | | | | 1878 | do | Manitoba | D of Sutherland | Abell | 5 00 |
| Parks, Wm. B. | L. | 1877 | 2 | | 1878 | do | St. John, N.B. | Tiger | Smith | 5 00 |
| Penny, Thos | L. | | | | 1878 | June | New Westminster | Nellie Taylor | Westgarth | 5 00 |
| Pritchard, W | | 1875 | 2 | 2 | | September | P. Arthur Landing | Three Friends | Board | 1 00 |
| Quigley, James | L. | 1870 | 1 | 8 | 1878 | April | Quebec | Olive | Taylor | 5 00 |
| Quimby, Vestas | L. | | | | 1878 | November | Nanaimo | Hrack | Westgarth | 5 00 |
| Robertson, John | L. | 1876 | 1 | 2 | 1876 | January | Victoria, B.C. | Cariboo Fly | do | 5 00 |
| Rolpb, Josiah | 1 | 1867 | 3 | 9 | | do | Quebec | Napoleon III. | Board | 1 00 |
| Roß, Cyrille | | 1873 | 2 | 4 | | do | Lévis | Champion | do | 1 00 |
| Roger, Cleophas | | 1870 | 3 | 6 | | do | do | Lady Head | do | 1 00 |
| Rochfort, Alex. | | 1869 | 2 | 8 | | February | Kingston | Utica | do | 1 00 |
| Ray, Thos | 3 | 1875 | 1 | 3 | | do | St. Stephen | W. Stroud | do | 1 00 |
| Roach, Thos | | 1869 | 2 | 8 | | do | Fredericton | Enterprise | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1878.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|----------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Ross, George, No. 2. | ..... | 3 | 1876 | 1 | 2 | ..... | ..... | February. | St. John. | E. Stewart. | Board | 1878. | 1 00 |
| Robinson, John | 3 | ..... | 1877 | 1 | 1 | 1876 | 1 | March | Detroit | Bob Hackett. | do | do | 1 00 |
| Radcliffe, E. D. | L. | ..... | 1878 | 1 | ..... | 1877 | 2 | May | St. Catharines | R. B. McPherson. | Mencilly | do | 5 00 |
| Rennie, Robert. | ..... | 2 | 1875 | 2 | ..... | 1877 | 1 | June | Bruce Mines | Kate Marks | Board | do | 1 00 |
| Regan, Daniel. | L. | ..... | ..... | ..... | ..... | 1878 | 1 | do | Inverness, B.C. | Iris | Westgarth. | do | 5 00 |
| Rousseau, François. | L. | ..... | ..... | ..... | ..... | 1878 | 1 | do | Prince Edward | Peterson Ferry | Taylor | do | 5 00 |
| Ryan, J. W. | L. | ..... | 1878 | 1 | ..... | 1877 | 2 | July | Pictou, N.S. | Daisy | Smith | do | 5 00 |
| Ritchie, George A. | ..... | 1 | 1876 | 1 | 2 | 1876 | 2 | do | Halifax | Acadia | Board | do | 1 00 |
| Rodman, Joseph. | L. | ..... | 1878 | 1 | ..... | 1878 | 1 | do | Kingston | Arlington | Taylor | do | 5 00 |
| Rodgers, Wm. | ..... | 1 | 1863 | 2 | 8 | ..... | ..... | August | Ottawa | Portsmouth | Board | do | 2 00 |
| Raney, Casper | L. | ..... | ..... | ..... | ..... | 1878 | 1 | do | Welland | Louise | Mencilly | do | 5 00 |
| Rennic, Robert. | L. | ..... | 1875 | 2 | 2 | 1877 | 2 | September | Bruce Mines | Kate Marks | Risley | do | 5 00 |
| Stroner, David | ..... | 3 | 1876 | 1 | 2 | 1877 | 1 | January | Southampton | Tommy Wright | Board | do | 1 00 |
| Steadworthy, Wm | ..... | 1 | 1873 | 2 | 4 | 1872 | 1 | do | Sorel | John Pratt | do | do | 1 00 |
| Stalker, Hugh | ..... | 1 | 1876 | 1 | 2 | ..... | ..... | do | Burrard Inlet | Union | do | do | 1 00 |
| Steele, Wm. Anderson | 2 | ..... | 1877 | 1 | 1 | 1875 | 2 | do | Victoria, B.C. | Pilot | do | do | 1 00 |
| Smith, John, No. 2. | ..... | 1 | 1873 | 1 | 5 | 1870 | 1 | do | Montreal | St. James. | do | do | 1 00 |

| | | | | | | | | | | | | | | |
|---------------------|----|------|---|----|------|---|---------|-------------------|-------------------|-----------|----|----|----|-------|
| Savigny, Andrew B. | 1 | 1860 | 1 | 18 | | | do | do | Nil | do | do | do | do | 18 00 |
| Smith, James Gray | 1 | 1874 | 3 | 2 | 1872 | 2 | March | Toronto | W. T. Robb | do | do | do | do | 1 00 |
| Smith, Jas. Sunbury | 2 | 1877 | 1 | 1 | | | do | Victoria, B.C. | Grappier | do | do | do | do | 1 00 |
| Sheehan, Daniel | L. | | | | 1876 | 2 | dc | do | Cariboo Fly | Westgarth | do | do | do | 5 00 |
| Shill, Robert | L. | | | | 1874 | 3 | April | Yorkville | Princess of Wales | Risley | do | do | do | 5 00 |
| Scott, Charles | 2 | 1872 | 4 | 3 | | | May | Hamilton | Alma Munro | Board | dc | do | do | 1 00 |
| Sutherland, Wm | L. | 1873 | 2 | 4 | 1872 | 3 | do | Kingston | Rose | Taylor | do | do | do | 5 00 |
| Sweeney, Charles B | L. | | | | 1878 | 1 | do | Victoria, B.C. | W. G. Hunt | Westgarth | do | do | do | 5 00 |
| Sutherland, Wm | | 2 | 2 | 4 | 1872 | 2 | do | Kingston | Clara Louise | Board | do | do | do | 1 00 |
| Sharpe, James | 2 | 1865 | 1 | 13 | | | June | Wellington Square | Wales | do | do | do | do | 1 00 |
| Stevens, James | L. | 1877 | 1 | 1 | 1878 | 1 | do | Lindsay | Sampson | do | do | do | do | 5 00 |
| Sweeten, Wm | 1 | 1869 | 2 | 8 | | | July | Pictou, N.S. | Nil | do | do | do | do | 1 00 |
| Strachan, James | | 1 | 2 | 3 | 1873 | 1 | do | Goderich | Mayhems | do | do | do | do | 5 00 |
| Smiley, John | | 3 | 1 | 1 | 1877 | 1 | do | Huntsville | Northern | do | do | do | do | 1 00 |
| Smiley, John | L. | 1877 | 1 | 1 | 1877 | 2 | do | do | do | Risley | do | do | do | 5 00 |
| Thorne, Wm | | 1 | 2 | 2 | 1874 | 1 | January | Collingwood | Minerva | Board | do | do | do | 1 00 |
| Troup, Wm. Henry | 2 | 1877 | 1 | 1 | 1876 | 1 | do | Victoria, B.C. | Pilot | do | do | do | do | 1 00 |
| Tanguay, Joseph | 2 | 1860 | 1 | 18 | | | do | St. George | Hercules | do | do | do | do | 1 00 |
| Thorburn, John | | 2 | 1 | 5 | 1871 | 1 | do | Kingcardine | Vanderbilt | do | do | do | do | 1 00 |
| Tudhope, George | 3 | 1873 | 1 | 5 | | | April | Albert, N.B. | Nil | do | do | do | do | 3 00 |
| Thompson, Wm | L. | | | | 1877 | 2 | July | Toronto | Dean | Meneille | do | do | do | 5 00 |
| Van Bramer, James | L. | 1876 | 1 | 2 | 1877 | 2 | January | Burrard Inlet | Lily | Westgarth | do | do | do | 5 00 |
| Wilcox, John | L. | 1876 | 2 | 1 | 1876 | 2 | do | do | London | do | do | do | do | 5 00 |
| Weir, Robert | L. | | | | 1878 | 1 | do | Halifax, N.S. | Newfield | Smith | do | do | do | 5 00 |
| Wood, James | 3 | 1865 | 1 | 13 | | | do | Rockland | Canada | Board | do | do | do | 1 00 |

STEAMBOAT ENGINEERS' Examination and Renewals, during the Year ending 31st December, 1878.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|----------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Wright, George, jun. | | 1 | 1870 | 2 | 7 | 1874 | 1 | February | Port Hope | Albert Wright | Board | 1878 | 1 00 |
| Wilson, Thos | L. | | 1875 | 1 | 3 | 1874 | 2 | do | Halifax | H. Hoover | Smith | do | 5 00 |
| Wheeler, Fred. E. | L. | | 1878 | 1 | | 1877 | 2 | May | Whitby | Niagara | Menelley | do | 5 00 |
| White, George | | 2 | 1870 | 1 | 8 | | | September | Port Perry | Nil | Board | do | 4 00 |
| Wright, Richd. | L. | | | | | 1878 | 1 | October | Victoria, B.C. | Pilot | Westgarth | do | 5 00 |
| Williamson, Andrew. | | 1 | 1870 | 2 | 7 | 1875 | 1 | January | Goderich | Nil | Board | do | 1 00 |
| Wool, Joseph | | 1 | 1869 | 1 | 9 | | | do | Lévis | Lady Head | do | do | 1 00 |
| Waddell, Wm | L. | | | | | 1878 | 1 | February | Toronto | Otter | Menelley | do | 5 00 |
| Wells, Charles. | L. | | | | | 1876 | 3 | do | Ogdensburg | Florence | Taylor | do | 5 00 |
| Wallace, James | 2 | | 1877 | 1 | 1 | | | March | Victoria, B.C. | Grappier | Board | do | 1 00 |
| Wilson, H. T. | | 2 | 1874 | 2 | 3 | | | do | St. Catharines | Lincoln | do | do | 1 00 |
| Warner, Archd. | 1 | | 1869 | 1 | 9 | | | April | Halifax | Newfield | do | do | 1 00 |
| Wilson, J. H. | 3 | | 1870 | 3 | 6 | 1870 | 1 | May | Detroit, U.S. | City of Dresden | do | do | 1 00 |
| Walker, John G | 1 | | 1875 | 1 | 2 | 1874 | 1 | do | Halifax, N.S. | Nil | do | do | 1 00 |
| Wainy, Wm. L. | L. | | | | | 1878 | 1 | do | St. John, N.B. | Xanthus | Smith | do | 5 00 |
| Wadsworth, Thos. | 2 | | 1862 | 1 | 16 | | | July | Napanee | Corinthian | Board | do | 2 00 |
| Wright, Robt | | 2 | 1873 | 1 | 5 | 1872 | 1 | August | Allenburg | Sovereign | do | do | 1 00 |

| | | | | | | | | | | | | | | | | |
|----------------------|----|------|---|---|------|---|------|----------|----|----|----|----|----|----|----|------------------|
| Wright, Robt | L. | 1870 | 1 | 5 | 1872 | 2 | do | do | do | do | do | do | do | do | do | 5 00 |
| Williams, Saml | L. | 1876 | 2 | 1 | 1878 | 4 | do | Toronto | do | do | do | do | do | do | do | 5 00 |
| Young, F. V. | L. | | | | 1878 | 1 | July | Montreal | do | do | do | do | do | do | do | 5 00 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Total...2,870 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1879.

| Name of Engineer. | Class of Engineer | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Nature of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|---------------------|-------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|----------------------------|--------------------------------|-------------------|----------------------|---------|
| | | | | | | | | | | | | | \$ cts. |
| Avis, Joseph. | ..... | 2 | 1877 | 2 | 1 | ..... | ..... | November | Sarnia..... | Manitoba..... | Board..... | 1879. | 1 00 |
| Armstrong, J. K. | L. | ..... | ..... | ..... | ..... | 1878 | 1 | December. | ..... | Grappler..... | Westgarth..... | do | 5 00 |
| Anderson, Dugald B. | 3 | ..... | 1874 | 4 | 2 | 1875 | 1 | ..... | Waubashene..... | Mills..... | Board..... | do | 1 00 |
| Aston, John W. | ..... | 2 | 1877 | 3 | ..... | ..... | ..... | ..... | Allendale..... | Emily May..... | do | do | 1 00 |
| Abbs, George. | ..... | 1 | 1877 | 3 | ..... | ..... | ..... | ..... | Collingwood..... | Waubuno..... | do | do | 5 00 |
| Andrews, Wm. | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | Toronto..... | Niagara..... | do | do | 5 00 |
| Arnold, John | ..... | 1 | 1870 | 2 | 8 | ..... | ..... | ..... | Kingston..... | Hastings..... | do | do | 1 00 |
| Alexander, James. | 2 | ..... | 1865 | 2 | 13 | ..... | ..... | ..... | St. Louis de Gonzague..... | Picton..... | do | do | 1 00 |
| Allen, James. | ..... | 2 | 1870 | 1 | 9 | ..... | ..... | ..... | Garden Island..... | Bay of Quinte..... | do | do | 1 00 |
| Armstrong, John. | ..... | 1 | 1876 | 3 | 1 | 1876 | 4 | ..... | Morrisburg..... | Eureka..... | do | do | 5 00 |
| Allen, Charles. | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Kingston..... | Shop..... | do | do | 5 00 |
| Allison, W. H. | ..... | 1 | 1876 | 2 | 2 | ..... | ..... | ..... | Morrisburg..... | Arctic..... | do | do | 1 00 |
| Adams, Edward. | ..... | 1 | 1872 | 1 | 7 | ..... | ..... | ..... | Kingston..... | Shop..... | do | do | 1 00 |
| Annet, John. | ..... | 1 | 1875 | 2 | 3 | ..... | ..... | ..... | Gananoque..... | Norman..... | do | do | 1 00 |
| Arpin, Louis, jun. | 2 | ..... | 1868 | 3 | 9 | ..... | ..... | ..... | Montreal..... | Longueuil..... | do | do | 1 00 |
| Arpin, Louis, sen. | 2 | ..... | 1860 | 1 | 19 | ..... | ..... | October..... | St. Inghes..... | Gatineau..... | do | do | 1 00 |

| | 1869 | 4 | 7 | | do | Sorel | Rivière du Loup | do | 1 00 |
|--------------------|------|---|----|------|----|--------------------|-----------------|-------|------|
| Arcaut, John | 2 | | | | do | St. Antoine | St. Antoine | do | 1 00 |
| Audette, Pierre | 3 | 1 | 19 | | do | Lévis | Fire Fly | do | 1 00 |
| Auger, Edward | 1 | 2 | 10 | | do | St. Nicholas | Humber | do | 1 00 |
| Anbain, Michel | 2 | 1 | 19 | | do | Annapolis, N.S. | Nil | do | 1 00 |
| Atkins, Wm | 1 | 1 | 7 | 1871 | 1 | Bathurst | Gipsy | do | 1 00 |
| Andrews James | 1 | 1 | 2 | 1876 | 1 | Pictou, N.S. | Gipsy | do | 1 00 |
| Anderson, John | 3 | 2 | 9 | | | Halifax | Beta | do | 1 00 |
| Alexander, N. S. | 3 | 1 | 3 | | | Fredericton, N. B. | Nil | do | 2 00 |
| Atherton, T. C. | 1 | 2 | 5 | | | do | 42nd | do | 1 00 |
| Atkinson, Wm | 1 | 1 | 10 | | | St. John, N.E. | General | Board | 1 00 |
| Allan, Harmon | 1 | 2 | 7 | 1876 | 1 | do | Captain | do | 1 00 |
| Allan, Bradford | 1 | 2 | 4 | | | Chatham | Vanderbilt | do | 5 00 |
| Bruce, K. T. | 3 | 2 | | 1874 | 2 | Wallaceburg | Nil | do | 1 00 |
| Burrows, Charles | 1 | 2 | 5 | 1872 | 1 | Windsor | Transit | do | 1 00 |
| Bice, James | 2 | 2 | 9 | | | do | Great Western | do | 1 00 |
| Belson, Wm | 3 | 4 | 4 | 1871 | 1 | Chatham | Manitoba | do | 5 00 |
| Bradshaw, Wm | 2 | 1 | | | | Collingwood | Ontario | do | 1 00 |
| Rassett, Frank | 1 | 2 | 3 | 1874 | 2 | Hamilton | Canada | do | 2 00 |
| Bell, Wm | 2 | 2 | 11 | | | do | Lake Erie | do | 1 00 |
| Brown, James H. | 1 | 3 | 1 | | | Toronto | Lincoln | do | 5 00 |
| Blondin, Moses | 2 | 2 | 11 | | | Ottawa | Carrillon | do | 5 00 |
| Eanks, Erastus | 2 | 2 | 6 | 1871 | 1 | Garville | Nil | do | 1 00 |
| Burnett, Wm | 2 | 2 | | | | Collingwood | Northern Queen | do | 1 00 |
| Bigelow, Ezra | 2 | 2 | 3 | | | | | do | 1 00 |
| Brackenridge, John | 3 | 3 | 2 | 1877 | 1 | | | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|----------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|------|
| | | | | | | | | | | | | | |
| Brown, James, No. 3. | | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | Owen Sound | Francis Smith | Board | 1879 | 1 00 |
| Bate, Geo. James | | 1 | 1875 | 3 | 2 | 1875 | 2 | ..... | Collingwood | Fred. Hotchkiss | do | do | 1 00 |
| Blake, Joseph | | 2 | 1879 | 1 | ..... | 1877 | 1 | ..... | Warton | Sarah E. Day | do | do | 5 00 |
| Braund, Henry | | 3 | 1861 | 1 | 18 | ..... | ..... | ..... | Humberstone | Shop | do | do | 2 00 |
| Brown, James, No. 1. | | 2 | 1872 | 2 | 6 | 1878 | 1 | ..... | Niagara | Oswego Belle | do | do | 5 00 |
| Bampton, Wm | | 1 | 1865 | 3 | 12 | ..... | ..... | ..... | Thorold | O. F. Wadsworth | do | do | 1 00 |
| Bampton, James | | 1 | 1870 | 3 | 7 | ..... | ..... | ..... | Welland | T. R. Seacord | do | do | 1 00 |
| Bennett, Alfred | | 2 | 1874 | 2 | 4 | ..... | ..... | ..... | St. Catharines | Clinton | do | do | 5 00 |
| Black, Robt. J. | | 3 | 1873 | 4 | 3 | 1872 | 2 | ..... | do | do | do | do | 1 00 |
| Banks, J. D. | | 3 | 1869 | 1 | 10 | ..... | ..... | ..... | Toronto | Stationary | do | do | 1 00 |
| Bonar, John | | 1 | 1864 | 1 | 15 | ..... | ..... | ..... | Belleville | Eliza Bonar | do | do | 1 00 |
| Boyd, George | | 2 | 1876 | 2 | 2 | ..... | ..... | ..... | Garden Island | A. H. Baldwin | do | do | 1 00 |
| Barlow, Thos. | | 3 | 1870 | 4 | 6 | ..... | ..... | ..... | Kingston | Shannon | do | do | 1 00 |
| Bristler, Samard | | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Pictou | Shannon | do | do | 5 00 |
| Barron, George | | 2 | 1868 | 1 | 11 | ..... | ..... | ..... | Kingston | California | do | do | 1 00 |
| Battelle, Fred | | 2 | 1876 | 2 | 2 | 1877 | 2 | ..... | Desmond | Flight | do | do | 1 00 |
| Bourke, Michel | | 3 | 1865 | 1 | 14 | ..... | ..... | ..... | Lindsay | Wenona | do | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 30th December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|-----------------------|------------------------------|-------------------|----------------------|--------------|
| Bolduc, Pierre..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Lévis..... | Eugénie..... | Board..... | 1879 | 5 00 |
| Brownrigg, John..... | ..... | 1 | 1874 | 3 | 3 | ..... | ..... | ..... | Quebec..... | Conqueror, No. 2..... | do..... | do | 5 00 |
| Bernard, André..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Lotbinière..... | Albion..... | do..... | do | 5 00 |
| Belanger, Eugene..... | ..... | 1 | 1876 | 3 | 1 | ..... | ..... | ..... | St. Roch, Quebec..... | Napoleon III..... | do..... | do | 6 00 |
| Belanger, Joseph..... | ..... | 1 | 1877 | 2 | 1 | 1874 | 2 | ..... | Lévis..... | Lake..... | do..... | do | 1 00 |
| Belanger, Phyllis..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | St. Roch, Quebec..... | Druid..... | do..... | do | 5 00 |
| Brown James E..... | 1 | ..... | 1876 | 3 | 1 | 1874 | 2 | ..... | Pictou, N.S..... | Miramichi..... | do..... | do | 5 00 |
| Blais, Joseph..... | ..... | 1 | 1874 | 3 | 3 | 1875 | 1 | ..... | Lévis..... | Flora..... | do..... | do | 1 00 |
| Belanger, Germain..... | ..... | 1 | 1874 | 3 | 3 | ..... | ..... | ..... | Quebec..... | Wanansk..... | do..... | do | 1 00 |
| Boufort, Xavier..... | ..... | 1 | 1872 | 3 | 5 | 1870 | 1 | ..... | Lévis..... | Sensation..... | do..... | do | 1 00 |
| Barron, Xavier..... | ..... | 2 | 1875 | 2 | 3 | ..... | ..... | ..... | St. Apollinaire..... | Contest..... | do..... | do | 1 00 |
| Beaudoin, Luc..... | ..... | 3 | 1875 | 1 | 4 | ..... | ..... | ..... | Lévis..... | Norwegian..... | do..... | do | 1 00 |
| Parton, Wm. J..... | 3 | ..... | 1874 | 4 | 2 | ..... | ..... | ..... | St. John, N.B..... | Fawn..... | do..... | do | 5 00 |
| Bell, John..... | 3 | ..... | 1870 | 1 | 9 | ..... | ..... | ..... | Newcastle..... | Sultan..... | do..... | do | 1 00 |
| Blundell, Wm. R..... | 3 | ..... | 1877 | 3 | ..... | ..... | ..... | ..... | Halifax, N.S..... | Goliath..... | do..... | do | 5 00 |
| Burrows, George..... | ..... | 1 | 1873 | 1 | 6 | ..... | ..... | ..... | do..... | do..... | do..... | do | 1 00 |
| Boutiller, Thos..... | 1 | ..... | 1875 | 1 | 4 | ..... | ..... | ..... | Sydney, C.B..... | Neptune..... | do..... | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|---------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|------|
| Campbell, G. K. | ..... | 3 | 1878 | 1 | 1 | 1877 | 1 | ..... | St. Catharines | Sovereign | Board | 1879. | 1 00 |
| Chambers, Alfred | ..... | 1 | 1873 | 2 | 5 | 1872 | 1 | ..... | Goderich | S. R. Norcross | do | do | 1 00 |
| Crossland, James | 2 | ..... | 1873 | 4 | 3 | 1872 | 1 | ..... | Collingwood | Northern Belle | do | do | 1 00 |
| Conrick, Thomas | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Aurora | do | do | do | 5 00 |
| Conson, Geo. W. | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Orillia | Minnie Hall | do | do | 5 00 |
| Cunningham, Wm. | 3 | ..... | 1869 | 4 | 7 | ..... | ..... | ..... | Hamilton | Acadia | do | do | 1 00 |
| Crandell, George | 3 | ..... | 1860 | 1 | 19 | ..... | ..... | ..... | Garden Island | Nil | do | do | 1 00 |
| Crandell, Franklin | 3 | ..... | 1872 | 3 | 2 | ..... | ..... | ..... | do | Vanderbilt | do | do | 1 00 |
| Corrin, John F. | ..... | 1 | 1872 | 3 | 5 | ..... | ..... | ..... | do | Victoria | do | do | 1 00 |
| Corrin, Charles | ..... | 1 | 1875 | 2 | 3 | ..... | ..... | ..... | Port Perry | Oboconk | do | do | 1 00 |
| Carmichael, Wm. | 3 | ..... | 1878 | 1 | 1 | 1877 | 1 | ..... | Montreal | Frank Peren | do | do | 1 00 |
| Casselman, Henry | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Morrisburgh | Glide | do | do | 5 00 |
| Ciancy, James | ..... | 3 | 1879 | 1 | ..... | 1879 | 1 | ..... | Montreal | Argyle | do | do | 5 00 |
| Charlard, Pierre | ..... | 1 | 1872 | 3 | 5 | ..... | ..... | ..... | do | Mink | do | do | 1 00 |
| Champagne, E., jun. | 1 | ..... | 1869 | 3 | 8 | ..... | ..... | ..... | do | St Peter | do | do | 1 00 |
| Champagne, E., sen. | 2 | ..... | 1860 | 1 | 19 | ..... | ..... | ..... | do | Portneuf | do | do | 1 00 |
| Castonguay, Ernest | ..... | 2 | 1871 | 2 | 7 | ..... | ..... | ..... | do | Elevator | do | do | 1 00 |

| | | | | | | | | | | | | | |
|-----------------------------|---|------|---|-------|-------|---------|----------------------|-------|-------|----------------|-------|----|------|
| Conley, Peter..... | 2 | 1873 | 2 | 5 | ..... | ..... | ..... | do | ..... | Frank Fern | ..... | do | 1 00 |
| Collins, Anthony..... | 1 | 1874 | 3 | 3 | ..... | Renfrew | ..... | do | ..... | Jessie Cassels | ..... | do | 5 00 |
| Comtois, John..... | 1 | 1872 | 2 | 6 | 1871 | 2 | Sorel | ..... | do | Nil | ..... | do | 1 00 |
| Clement, Maxime..... | 1 | 1860 | 2 | 18 | ..... | ..... | do | ..... | do | National | ..... | do | 1 00 |
| Chapdelaine, François..... | 3 | 1871 | 4 | 5 | ..... | ..... | do | ..... | do | Sorel | ..... | do | 1 00 |
| Champagne, Joseph..... | 1 | 1877 | 2 | 1 | ..... | ..... | do | ..... | do | Champion | ..... | do | 1 00 |
| Charland, Herménégilde..... | 1 | 1875 | 3 | 2 | ..... | ..... | do | ..... | do | Victoria | ..... | do | 1 00 |
| Chapdelaine, Fr. pere | 1 | 1860 | 1 | 19 | ..... | ..... | do | ..... | do | Quebec | ..... | do | 1 00 |
| Charland, Nérée..... | 3 | 1873 | 4 | 3 | 1874 | 1 | do | ..... | do | Nil | ..... | do | 5 00 |
| Clement Napoleon..... | 2 | 1876 | 2 | 2 | 1875 | 1 | do | ..... | do | Europe | ..... | do | 1 00 |
| Clement, Charles..... | 1 | 1871 | 1 | 8 | ..... | ..... | do | ..... | do | Cultivateur | ..... | do | 1 00 |
| Cherries, Raphael..... | 2 | 1861 | 1 | 18 | ..... | ..... | do | ..... | do | St. Paul | ..... | do | 1 00 |
| Casey, Charles..... | 3 | 1876 | 3 | 1 | ..... | ..... | do | ..... | do | Richelieu | ..... | do | 5 00 |
| Carrall, Stephen..... | 1 | 1860 | 1 | 19 | ..... | ..... | Quebec | ..... | do | Druid | ..... | do | 1 00 |
| Clark, John..... | 2 | 1879 | 1 | ..... | ..... | ..... | Sherbrooke | ..... | do | Midge | ..... | do | 5 00 |
| Cayen, Joseph..... | 1 | 1872 | 2 | 6 | ..... | ..... | Lévis | ..... | do | Bee | ..... | do | 2 00 |
| Côté, Germain..... | 1 | 1870 | 1 | 9 | ..... | ..... | do | ..... | do | Canada | ..... | do | 1 00 |
| Côté, Adolphe..... | 3 | 1878 | 1 | 1 | ..... | ..... | do | ..... | do | St. George | ..... | do | 1 00 |
| Cloutier, Joseph..... | 3 | 1879 | 1 | ..... | ..... | ..... | do | ..... | do | C. W. Jones | ..... | do | 5 00 |
| Charland, Victor..... | 2 | 1869 | 5 | 6 | ..... | ..... | St. J'n Deschailion | ..... | do | Express | ..... | do | 5 00 |
| Cayen, Napoleon..... | 1 | 1874 | 2 | 4 | ..... | ..... | St. Petrorril Island | ..... | do | C. H. Curtis | ..... | do | 1 00 |
| Costin, Fredk..... | 1 | 1875 | 3 | 2 | ..... | ..... | Lévis | ..... | do | Resolute | ..... | do | 1 00 |
| Cayen, Joseph..... | 2 | 1870 | 1 | 19 | ..... | ..... | Portneuf | ..... | do | Bienvenu | ..... | do | 1 00 |
| Cayen, Philippe..... | 3 | 1877 | 1 | 2 | ..... | ..... | do | ..... | do | Contest | ..... | do | 1 00 |
| Couillard, Alphonse..... | 3 | 1875 | 1 | 4 | ..... | ..... | Bienville, Lévis | ..... | do | Druid | ..... | do | 2 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employed. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|-------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|-----------------------|--------------------------------|-------------------|----------------------|--------------|
| Charland, Eugene ..... | ..... | 1 | 1876 | 2 | 2 | ..... | ..... | ..... | Lévis | Norwegian..... | Board | 1879 | 5 00 |
| Carrigan, Delphine..... | ..... | 3 | 1876 | 1 | 3 | ..... | ..... | ..... | do | Nil..... | do | do | 1 00 |
| Côté, Alphonse ..... | ..... | 1 | 1872 | 3 | 5 | ..... | ..... | ..... | do | Helen | do | do | 1 00 |
| Cook, John..... | 2 | ..... | 1875 | 3 | 2 | ..... | ..... | ..... | Pictou, N.S..... | Venez'a | do | do | 1 00 |
| Cook, R. J..... | 3 | ..... | 1876 | 3 | 1 | 1877 | 1 | ..... | do | Albert..... | do | do | 5 00 |
| Cormack, John | 1 | ..... | 1877 | 1 | 2 | ..... | ..... | ..... | Halifax, N.S..... | Delta..... | do | do | 1 00 |
| Crawford, Geo..... | ..... | 1 | 1876 | 3 | 1 | ..... | ..... | ..... | Pictou, N.S..... | Albert..... | do | do | 5 00 |
| Caldwell, E. F. | 3 | ..... | 1876 | 3 | 1 | 1877 | 1 | ..... | Wolfville, N.S..... | G. A. Good..... | do | do | 5 00 |
| Cossibonne, J. B..... | ..... | 1 | 1874 | 2 | 4 | ..... | ..... | ..... | Fredericton, N.B..... | Nil..... | do | do | 1 00 |
| Cox, C. E..... | 1 | ..... | 1870 | 2 | 8 | ..... | ..... | ..... | St. John, N.B..... | Scud..... | do | do | 1 00 |
| Christie, John..... | 2 | ..... | 1869 | 1 | 10 | ..... | ..... | ..... | Fredericton, N.B..... | City of Fredericton..... | do | do | 1 00 |
| Clark, Joseph ..... | ..... | 1 | 1876 | 1 | 3 | ..... | ..... | ..... | P. Edward Island..... | St. Lawrence..... | do | do | 1 00 |
| Cummings, John..... | 2 | ..... | 1869 | 1 | 10 | ..... | ..... | ..... | do | Prince of Wales..... | do | do | 1 00 |
| Cummings, Chas. .... | ..... | 3 | 1875 | 1 | 4 | ..... | ..... | ..... | do | Winnie..... | do | do | 1 00 |
| Collins, Thos..... | 2 | ..... | 1873 | 1 | 6 | ..... | ..... | ..... | St. John, N.B..... | R. Doan..... | do | do | 1 00 |
| Cummings, J. C..... | 1 | ..... | 1869 | 2 | 9 | ..... | ..... | ..... | do | General..... | do | do | 1 00 |
| Crosby, Ralddph ..... | ..... | 2 | 1876 | 2 | 2 | ..... | ..... | ..... | Yarmouth, N.S..... | Domirion..... | do | do | 1 00 |

| | | | | | | | | | | | |
|----------------------------|---|------|---|------|---|------|----------------------|-----------------------|----------|----------|------|
| Clark, James..... | 1 | 1873 | 1 | 6 | | | St. John, N.B..... | Derigo | do | do | 1 00 |
| Caldwell, James | 3 | 1879 | 1 | | | | P. E. Island..... | Nil | do | do | 5 00 |
| Canningham, W. A..... | 2 | 1870 | 1 | | | | St. John, N.B..... | do | do | do | 5 00 |
| Clarke, Jas. Anthony | 1 | 1878 | 1 | 1 | | | Burrard Inlet..... | Gem..... | do | do | 1 00 |
| Cash, James | 2 | 1878 | 1 | 1 | | | New Westminster..... | Glenora..... | do | do | 1 00 |
| Cahoon, Wm. R | 1 | 1879 | 1 | | | | Manitoba | Lily of the West..... | do | do | 5 00 |
| Carment, Wm..... | 1 | 1879 | 1 | 1878 | 1 | | do | Keewatin..... | do | do | 5 00 |
| Donovan, D. E | 1 | 1876 | 3 | 1 | | | Windsor..... | Columbia..... | do | do | 1 00 |
| Duval, Francis..... | 1 | 1874 | 3 | 3 | | | do | Michigan..... | do | do | 1 00 |
| Dunn, George..... | 1 | 1879 | 1 | | | 1871 | do | Ada E. Allen..... | do | do | 5 00 |
| Downey, John | 3 | 1879 | 1 | | | | Sarnia..... | Huron..... | do | do | 5 00 |
| Daly, Wm | 3 | 1874 | 3 | 3 | | 1878 | Petrolia..... | Dromedary..... | do | do | 5 00 |
| DoDoran, John | 2 | 1860 | 3 | 17 | | | do | Lake Michigan..... | do | do | 1 00 |
| Davidson, John | 3 | 1874 | 4 | 3 | | 1877 | do | Celtic..... | do | do | 5 00 |
| Drysdale, Walter S..... | 3 | 1874 | 3 | 3 | | | Montreal..... | Valetia..... | do | do | 5 00 |
| Donnelly, John, No 2 | 3 | 1879 | 1 | | | | St. Remy..... | Nil | do | do | 5 00 |
| Davidson, Andrew C..... | 1 | 1878 | 2 | | | 1877 | Pike Bay..... | Mary Anna..... | do | do | 5 00 |
| Dayton, Isaac N..... | 2 | 1879 | 1 | | | 1873 | Port Colborne..... | S. Neelon..... | do | do | 5 00 |
| Doran, Wm | 1 | 1875 | 2 | 3 | | | St. Catharines..... | Persia..... | do | do | 1 00 |
| Dee, John..... | 1 | 1875 | 3 | 2 | | | Penetanguishene..... | Nr. Belle | do | do | 1 00 |
| Dawson, Henry | 3 | 1879 | 1 | | | | Dowasview..... | Africa..... | do | do | 5 00 |
| Dowd, John R..... | 1 | 1875 | 2 | 3 | | 1873 | Welland | Louise..... | do | do | 1 00 |
| Dion, Leon..... | 1 | 1872 | 2 | 6 | | 1876 | Peterborough..... | Golden Eye..... | do | do | 1 00 |
| Dungan, James..... | 2 | 1863 | 1 | 16 | | | Prescott | Chaudiere..... | do | do | 1 00 |
| Dickson, John H..... | 3 | 1871 | 4 | 5 | | | Kingston..... | Muskegon..... | do | do | 5 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|----------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Dodds, John..... | 3 | ..... | 1876 | 4 | ..... | ..... | ..... | ..... | Kingston..... | Africa..... | Board..... | 1879. | 5 00 |
| Dowser, Charles..... | 3 | ..... | 1867 | 1 | 12 | ..... | ..... | ..... | Belleville..... | Nil..... | do..... | do | 1 00 |
| Donnelly, John, No. 1..... | ..... | 3 | 1874 | 1 | 5 | ..... | ..... | ..... | Garden Island..... | Chiclain..... | do..... | do | 1 00 |
| Drew, Nathaniel..... | 2 | ..... | 1870 | 3 | 7 | 1869 | 1 | ..... | Montreal..... | Milford..... | do..... | do | 1 00 |
| Dougall, Peter..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | do..... | S.S. Caniana..... | do..... | do | 5 00 |
| Desjardins, Hermiade..... | ..... | 2 | 1876 | 1 | 3 | ..... | ..... | ..... | Lachine..... | Vermont..... | do..... | do | 1 00 |
| Demuel, Edouard..... | ..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | Beauharnois..... | Beauharnois..... | do..... | do | 1 00 |
| Daoust, Baptiste..... | 3 | ..... | 1867 | 1 | 12 | ..... | ..... | ..... | Montreal..... | C. W. Dennis..... | do..... | do | 1 00 |
| Doucette, Bazile..... | ..... | 1 | 1874 | 3 | 3 | ..... | ..... | ..... | Sorel..... | Star..... | do..... | do | 5 00 |
| Ducar, Mathias..... | 2 | ..... | 1864 | 1 | 15 | ..... | ..... | ..... | do..... | Vermont..... | do..... | do | 1 00 |
| Decaire, Joseph..... | ..... | 2 | 1874 | 2 | 4 | ..... | ..... | ..... | do..... | John Mac..... | do..... | do | 8 00 |
| Dupré, Hyacinthe..... | ..... | 2 | 1875 | 2 | 3 | 1872 | 1 | ..... | do..... | Matawan..... | do..... | do | 1 00 |
| Dumas, Laurent..... | 2 | ..... | 1860 | 1 | 19 | ..... | ..... | ..... | do..... | Chambly..... | do..... | do | 1 00 |
| Denis, François..... | ..... | 1 | 1875 | 2 | 3 | ..... | ..... | ..... | do..... | S. Lambert..... | do..... | do | 1 00 |
| Ducharme, Alexis..... | 3 | ..... | 1867 | 1 | 12 | ..... | ..... | ..... | do..... | Boston..... | do..... | do | 1 00 |
| Dubord, Norbert..... | ..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | Montreal..... | Nil..... | do..... | do | 1 00 |
| Dunn, Peter..... | 1 | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | Sorel..... | Montreal..... | do..... | do | 1 00 |

| Name | 1874 | 2 | 4 | 1875 | 1 | do | do | do | do | 1 00 | |
|------------------------|------|---|----|------|---|-----------------|----|----|------------------|------|------|
| Dumas, Alexis | 1 | | | | | | | | St. Francis | do | 1 00 |
| Denis, Edouard | 2 | 2 | 12 | | | | | | Cultivateur | do | 1 00 |
| Drysdale, Thos. | 1 | 3 | 8 | | | Quebec | | | Rimouski | do | 1 00 |
| Desrocher, Louis | 2 | 4 | 8 | | | Lévis | | | Merimac | do | 1 00 |
| Davidson, Wm. James | 1 | 5 | 2 | 1872 | 2 | New York, U.S. | | | Bahama | do | 1 00 |
| Desrocher, Stanislas | 3 | 1 | 1 | | | St. Croix | | | Royal | do | 1 00 |
| Dagueau, Aselme | 3 | 1 | | | | Lévis | | | Margaret M. | do | 5 00 |
| Dion, Michel | 2 | 2 | 18 | | | do | | | Clyde | do | 1 00 |
| Depres, Alfred | 3 | 1 | | | | do | | | Miramichi | do | 5 00 |
| Devine, Daniel | 1 | 2 | 2 | | | Sydney, C.B. | | | Dolphin | do | 1 00 |
| Dick, George | 3 | 3 | 5 | | | Chatham, N.B. | | | Nil | do | 1 00 |
| Doyle, Patrick | 2 | 3 | 5 | 1874 | 1 | Pictou, N.S. | | | Secret. | do | 1 00 |
| Day, David | 1 | 4 | 1 | | | Mill Village | | | La Have | do | 1 00 |
| Donnelly, John, No. 3. | 2 | 1 | 2 | | | New Westminster | | | Reliance | do | 1 00 |
| Eldridge, Jesse | 1 | 1 | 8 | | | Port Colborne | | | M. A. McLaughlin | do | 2 00 |
| Ellis, J. H. | 3 | 4 | 1 | 1875 | 2 | Toronto | | | W. T. Robb | do | 5 00 |
| Edington, Wm. | 1 | 1 | 10 | | | Keene | | | Arlington | do | 1 00 |
| Eldridge, John W. | 2 | 2 | | | | Omamee | | | Lady Ida | do | 5 00 |
| Evans, Chas. Langley | 2 | 1 | | | | Brockville | | | Victor | do | 5 00 |
| Ecroyd, Geo. I. | 1 | 2 | 1 | | | Montreal | | | Venezia | do | 5 00 |
| Ecroyd, John R. | 1 | 2 | 7 | | | do | | | do | do | 1 00 |
| Ellenburg, Pierre | 3 | 1 | 13 | | | Sorel | | | Sir John Young | do | 1 00 |
| Ewing, John | 1 | 1 | 2 | | | Halifax, N.S. | | | Beta | do | 1 00 |
| Evans, Wm. B. | 3 | 2 | 1 | 1875 | 2 | St. John, N.B. | | | Tiger | do | 5 00 |
| Elliott, Wm. Alfred | 1 | 1 | 3 | | | Victoria, B.C. | | | Olympia | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|-------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Foster, James H. .... | ..... | 1 | 1877 | 3 | ..... | 1878 | 1 | ..... | ..... | Enterprise | Board | 1879 | 5 00 |
| Francombe, George.... | 1 | ..... | 1861 | 1 | 18 | ..... | ..... | ..... | Windsor..... | Prince Alfred.... | do | do | 1 00 |
| Francombe, Thos. .... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | do | do | do | do | 5 00 |
| Ferguson, Wm. .... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Sarnia..... | Nil..... | do | do | 5 00 |
| Ferguson, John C. | 2 | ..... | 1877 | 3 | ..... | 1876 | 2 | ..... | Toronto..... | Niagara..... | do | do | 5 00 |
| Fraser, Charles ..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | do | Chicora | do | do | 5 00 |
| Feightner, Joseph ..... | ..... | 1 | 1876 | 3 | 1 | 1877 | 2 | ..... | Collingwood..... | S. C. Doly | do | do | 5 00 |
| Faulds, Wm. F. | 3 | ..... | 1871 | 4 | 5 | ..... | ..... | ..... | St. Catharines..... | Dominion..... | do | do | 1 00 |
| Foster, D. M. .... | ..... | 2 | 1878 | 1 | 1 | ..... | ..... | ..... | Port Burwell..... | Zealand | do | do | 1 00 |
| Fero, Solomon. .... | ..... | 2 | 1875 | 2 | 3 | 1876 | 2 | ..... | Welland..... | Five Brothers | do | do | 1 00 |
| Fletcher, W. S. | 1 | ..... | 1865 | 4 | 11 | 1864 | 1 | ..... | St. Catharines..... | City of St. Cathar's | do | do | 1 00 |
| Free, Henry..... | ..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | do | Prussia | do | do | 1 00 |
| Fairbairn, Richard.... | 3 | ..... | 1869 | 4 | 7 | ..... | ..... | ..... | do | Lizze..... | do | do | 1 00 |
| Filion, Paul..... | ..... | 1 | 1870 | 2 | 8 | ..... | ..... | ..... | Lindsay | Mary Ellen | do | do | 1 00 |
| Finucan, John..... | 2 | ..... | 1869 | 3 | 8 | 1878 | 1 | ..... | Gananoque..... | Ruby..... | do | do | 5 00 |
| Flanagan, Patrick ..... | ..... | 1 | 1870 | 3 | 7 | ..... | ..... | ..... | Kingston..... | Alexandra..... | do | do | 1 00 |
| Fleck, Alexander..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Ottawa..... | Engineer | do | do | 5 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts |
|-------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|-------------|
| Gallivan, John..... | 3 | ..... | 1867 | 1 | 12 | ..... | ..... | ..... | Kingston..... | Water Lily..... | Board..... | 1879 | 1 00 |
| Gallivan, James..... | 3 | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | do..... | Elevator..... | do..... | do | 2 00 |
| Gaskin, Thos..... | ..... | 1 | 1877 | 3 | ..... | ..... | ..... | ..... | do..... | H. F. Brownson..... | do..... | do | 5 00 |
| Goodearl, Humphrey..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | do..... | Norman..... | do..... | do | 5 00 |
| Gray, Wm..... | 3 | ..... | 1860 | 1 | 19 | ..... | ..... | ..... | Hudson..... | Ivy..... | do..... | do | 1 00 |
| Galbraith, James..... | ..... | 1 | 1876 | 3 | 1 | ..... | ..... | ..... | Lachine..... | Gerinthian..... | do..... | do | 5 00 |
| Gongeau, Xavier..... | ..... | 3 | 1878 | 2 | ..... | ..... | ..... | ..... | Montreal..... | St. Paul..... | do..... | do | 1 00 |
| Graham, Edward..... | ..... | 1 | 1871 | 3 | 6 | ..... | ..... | ..... | Beauharnois..... | Corsican..... | do..... | do | 1 00 |
| Grimard, Aime..... | 2 | ..... | 1869 | 1 | 19 | ..... | ..... | ..... | Longueuil..... | Longueuil..... | do..... | do | 1 00 |
| Godin, Pierre..... | ..... | 2 | 1877 | 1 | 2 | 1876 | 1 | ..... | Sorel..... | Louise..... | do..... | do | 1 00 |
| Godin, Leandre..... | ..... | 1 | 1873 | 2 | 5 | 1871 | 1 | ..... | do..... | Trois Rivieres..... | do..... | do | 1 00 |
| Guillotte, Nazaire..... | ..... | 1 | 1873 | 2 | 5 | 1869 | 1 | ..... | do..... | Como..... | do..... | do | 1 00 |
| Gendron, Charles..... | 2 | ..... | 1869 | 4 | 7 | 1869 | 1 | ..... | do..... | Delisles..... | do..... | do | 5 00 |
| Gendron, J. Bte..... | 2 | ..... | 1867 | 2 | 11 | ..... | ..... | ..... | do..... | Quebec..... | do..... | do | 1 00 |
| Gendron, Wm. Chas..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Beauharnois..... | St. Francis..... | do..... | do | 5 00 |
| Gaillbault, Joseph..... | ..... | 1 | 1873 | 2 | 5 | 1872 | 1 | ..... | Sorel..... | Champlain..... | do..... | do | 1 00 |
| Girard, Edward..... | ..... | 1 | 1875 | 3 | 2 | ..... | ..... | ..... | St. Hyacinthe..... | Spartan..... | do..... | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Heverley, Silas..... | ..... | 1 | 1879 | 1 | ..... | 1878 | 1 | ..... | Owen Sound..... | Fanny..... | Board..... | 1879. | 5 00 |
| Hart, Francis..... | ..... | 2 | 1878 | 1 | 1 | 1877 | 2 | ..... | Warton..... | Sandford Davis..... | do..... | do | 1 00 |
| Huff, John..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | Allenburg..... | C. M. Carter..... | do..... | do | 5 00 |
| Henry, Michael..... | ..... | 1 | 1875 | 2 | 3 | 1874 | 1 | ..... | Port Dalhousie..... | Shop..... | do..... | do | 1 00 |
| Huff, George..... | ..... | 2 | 1877 | 2 | 1 | 1877 | 2 | ..... | Brighton..... | Georgina..... | do..... | do | 1 00 |
| Hugo, T. W..... | 2 | ..... | 1870 | 5 | 5 | ..... | ..... | ..... | Owen Sound..... | C'y of Owen Sound..... | do..... | do | 1 00 |
| Harrington, John..... | ..... | 1 | 1877 | 3 | ..... | ..... | ..... | ..... | Toronto..... | Armenia..... | do..... | do | 5 00 |
| Hill, J. E..... | 3 | ..... | 1875 | 3 | 2 | 1874 | 3 | ..... | do..... | Oswego Belle..... | do..... | do | 1 00 |
| Hardy, Joseph..... | 3 | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | Kingston..... | Isaac Butts..... | do..... | do | 1 00 |
| Hazlett, Wm..... | 3 | ..... | 1874 | 4 | 2 | ..... | ..... | ..... | do..... | Calabria..... | do..... | do | 5 00 |
| Hlyatt, John..... | ..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | do..... | Glide..... | do..... | do | 1 00 |
| Henderson, George..... | ..... | 1 | 1870 | 3 | 7 | ..... | ..... | ..... | do..... | do..... | do..... | do | 1 00 |
| Hiscock, Edgar..... | ..... | 1 | 1876 | 2 | 2 | ..... | ..... | ..... | do..... | Prince Edward..... | do..... | do | 1 00 |
| Hazlett, George..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | do..... | H. F. Brownson..... | do..... | do | 5 00 |
| Hickey, James..... | 2 | ..... | 1862 | 1 | 17 | ..... | ..... | ..... | Garden Island..... | Traveller..... | do..... | do | 1 00 |
| Harrison, John..... | ..... | 1 | 1875 | 2 | 3 | 1874 | 3 | ..... | Kingston..... | Adventure..... | do..... | do | 1 00 |
| McPherson, Robt..... | ..... | 1 | 1874 | 2 | 4 | ..... | ..... | ..... | Verona..... | Rose..... | do..... | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.---Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|------------------------|--------------------|------------------------------|----------------------------------|------------------------------|--------------------|----------------------------------|------------------------------|----------------|--------------------------------------|------------------------------|-------------------|----------------------|---------|
| | | | | | | | | | | | | | \$ cts. |
| Hayes, Thomas..... | 3 | ..... | 1870 | 1 | ..... | 1878 | 1 | ..... | Victoria, B.C..... | Grappler..... | Board..... | 1879. | 5 00 |
| Hosken, Charles..... | ..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | do | do | do | do | 1 00 |
| Irwin, Wm..... | ..... | 1 | 1875 | 2 | 3 | ..... | ..... | ..... | Kingston..... | Shop..... | do | do | 1 00 |
| Jameson, Samuel..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | Owen Sound..... | C. of Owen Sound. | do | do | 5 00 |
| Johnston, James..... | 2 | ..... | 1866 | 1 | 13 | ..... | ..... | ..... | do | Francis Smith..... | do | do | 1 00 |
| Jacques, John W..... | ..... | 2 | 1877 | 3 | ..... | ..... | ..... | ..... | Collingwood..... | Magannettawan..... | do | do | 1 00 |
| Johnson, Nicol..... | ..... | 1 | 1876 | 2 | 2 | 1875 | 3 | ..... | Belle Ewart..... | R. B. Hayes..... | do | do | 5 00 |
| Jacobs, Silas H..... | 3 | ..... | 1873 | 3 | 4 | ..... | ..... | ..... | Peterborough..... | Golden Eye..... | do | do | 5 00 |
| Johnson, Gilbert..... | 2 | ..... | 1872 | 5 | 3 | ..... | ..... | ..... | Kingston..... | Jennie Hall..... | do | do | 1 00 |
| Jento, Timothy..... | 2 | ..... | 1860 | 1 | 19 | ..... | ..... | ..... | Brockville..... | Chaffey..... | do | do | 1 00 |
| Jento, Napoleon T..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | do | do | do | do | 5 00 |
| Johnson, George..... | ..... | 1 | 1869 | 3 | 8 | 1878 | 1 | ..... | Trenton..... | City of Belleville.. | do | do | 1 00 |
| Johnston, Wm..... | 2 | ..... | 1864 | 2 | 14 | ..... | ..... | ..... | Garden Island..... | Supt. Engineer..... | do | do | 1 00 |
| Jones, Wm..... | 3 | ..... | 1875 | 4 | 1 | 1877 | 1 | ..... | do | Geneva..... | do | do | 5 00 |
| Jardine, Patrick..... | ..... | 2 | 1870 | 1 | 9 | 1869 | 1 | ..... | Portage du Fort... Montreal | Deux Rivières..... | do | do | 1 00 |
| Joly, Joseph..... | ..... | 1 | 1876 | 3 | 1 | ..... | ..... | ..... | ..... | Star..... | do | do | 5 00 |

| | | | | | | | | | | |
|-------------------------|---|------|---|----|------|---|-----------------------|-----------------------|----|------|
| Julian, Ludger..... | 3 | 1877 | 1 | 2 | | | Deschambault..... | Princess..... | do | 1 00 |
| Jenmarie, Xavier..... | 3 | 1869 | 2 | 9 | | | Sorel..... | Hope..... | do | 1 00 |
| Juilen, Elizie..... | 3 | 1879 | 1 | | | | Deschambault..... | Boston..... | do | 5 00 |
| Jacques, Siméon..... | 2 | 1876 | 2 | 2 | | | St. Antoine..... | Powerful..... | do | 5 00 |
| Johnson, John..... | 3 | 1876 | 2 | 2 | 1874 | 1 | Woodstock..... | Nil..... | do | 1 00 |
| Johnson, William..... | 2 | 1879 | 1 | | 1878 | 1 | Manitoba..... | Lily..... | do | 5 00 |
| Kerby, George..... | 3 | 1879 | 1 | | | | Sarnia..... | Ireland..... | do | 5 00 |
| Kerr, Adam..... | 3 | 1869 | 3 | 8 | | | do | International..... | do | 1 00 |
| Kerrigan, Dennis..... | 1 | 1878 | 1 | 1 | 1877 | 1 | do | Sea Gull..... | do | 1 00 |
| Kennedy, Wm..... | 3 | 1873 | 4 | 3 | | | Kingston..... | Acadia..... | do | 5 00 |
| Kenny, Robt..... | 3 | 1873 | 3 | 4 | 1871 | 2 | Hamilton..... | Nipigon..... | do | 5 00 |
| Kelly, John, No. 2..... | 3 | 1878 | 1 | 1 | | | Sarnia..... | Quebec..... | do | 1 00 |
| Kerr, David..... | 2 | 1874 | 1 | 5 | 1873 | 4 | Hamilton..... | Canada..... | do | 1 00 |
| Kirkpatrick, David..... | 3 | 1878 | 1 | 1 | | | Toronto..... | City of Montreal..... | do | 1 00 |
| Kerr, Acheson, sen... 1 | | 1860 | 1 | 19 | | | Orillia..... | Emily May..... | do | 1 00 |
| Kerr, Acheson, jun..... | 1 | 1873 | 2 | 5 | 1872 | 1 | do | Nil..... | do | 1 00 |
| Kirkpatrick, Neil..... | 2 | 1877 | 2 | 1 | | | Toronto..... | Cuba..... | do | 1 00 |
| Kennedy, Wm..... | 3 | 1866 | 1 | 13 | | | do | do..... | do | 1 00 |
| Kinnor, John..... | 1 | 1879 | 1 | | 1877 | 2 | Orillia..... | Carriella..... | do | 5 00 |
| Kennedy, John..... | 1 | 1875 | 2 | 3 | 1873 | 3 | Toronto..... | J. S. Clark..... | do | 1 00 |
| Kelly, John, No. 1..... | 1 | 1878 | 2 | | 1877 | 2 | Victoria Harbour..... | Bella Taylor..... | do | 5 00 |
| Kenney, John J..... | 3 | 1879 | 1 | | | | Jore's Falls..... | Saxon..... | do | 5 00 |
| Kelley, Wm..... | 3 | 1866 | 2 | 12 | | | Garden Island..... | Boy of Quinté..... | do | 1 00 |
| Kilcawley, Patrick..... | 1 | 1872 | 3 | | 1875 | 1 | Kingston..... | Gatineau..... | do | 1 00 |
| Kenny, Patrick..... | 3 | 1879 | 1 | | | | Jones Falls..... | Ebenzer..... | do | 5 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Kerby, John..... | 1 | ..... | 1875 | 1 | 4 | ..... | ..... | ..... | Richibucton..... | Gladiator..... | Board..... | 1879 | 1 00 |
| Loyd, Robert..... | ..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | Hamilton..... | Lake Ontario..... | do..... | do | 1 00 |
| Lockerbie, Wm..... | 2 | ..... | 1873 | 4 | 3 | 1872 | 1 | ..... | Collingwood..... | Queen..... | do..... | do | 1 00 |
| Leaney, W..... | ..... | 1 | 1872 | 3 | 5 | ..... | ..... | ..... | Port Robinson..... | D. E. McFarland..... | do..... | do | 1 00 |
| Leestch, Robert..... | 3 | ..... | 1873 | 3 | 4 | ..... | ..... | ..... | Welland..... | Jas. Norris..... | do..... | do | 1 00 |
| Leetch, Thomas..... | ..... | 1 | 1873 | 3 | 4 | 1876 | 1 | ..... | do..... | C. J. G. Munro..... | do..... | do | 1 00 |
| Lintor, Charles..... | ..... | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | St Catharines..... | Dominion..... | do..... | do | 1 00 |
| Lintz, Wm. F..... | ..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | do..... | Ocean..... | do..... | do | 1 00 |
| Lawrence, Peter..... | ..... | 1 | 1871 | 3 | 6 | 1871 | 1 | ..... | Welland..... | T. H. Nasmith..... | do..... | do | 1 00 |
| Levely, Edward..... | ..... | 1 | 1874 | 3 | 3 | ..... | ..... | ..... | Sarnia..... | Vanderbilt..... | do..... | do | 1 00 |
| Lacert, Roderick..... | ..... | 1 | 1874 | 2 | 4 | 1877 | 1 | ..... | Dundee, P. Q..... | L. S. Sperry..... | do..... | do | 1 00 |
| Lamere, Peter..... | 2 | ..... | 1867 | 1 | 12 | ..... | ..... | ..... | Prescott..... | Mills..... | do..... | do | 1 00 |
| Loyer, Theodore..... | ..... | 1 | 1875 | 3 | 2 | ..... | ..... | ..... | Gatineau Point..... | Edie May..... | do..... | do | 1 00 |
| Lalonde, Alphonse..... | ..... | 1 | 1871 | 2 | 7 | ..... | ..... | ..... | Rigaud..... | NH..... | do..... | do | 1 00 |
| Lépine, Isidore..... | ..... | 2 | 1876 | 2 | 2 | ..... | ..... | ..... | Pointe Claire..... | Como..... | do..... | do | 5 00 |
| Lemay, Alphonse..... | ..... | 1 | 1875 | 2 | 3 | ..... | ..... | ..... | Montreal..... | St. Peter..... | do..... | do | 5 00 |
| Levesque, Wm..... | ..... | 1 | 1876 | 1 | ..... | ..... | ..... | ..... | do..... | Valentin..... | do..... | do | 5 00 |

| | | | | | | | | | | | | | |
|---------------------------|---|------|---|----|-------|-------|-------|----------------------|----|-----------------------|----|----|------|
| Lefebvre, Joseph..... | 3 | 1875 | 1 | 4 | 1 | 1876 | 1 | do | do | Valleyfield..... | do | do | 1 00 |
| Leclaire, Dominique..... | 1 | 1874 | 3 | 3 | 1 | 1876 | 1 | Lachine..... | do | Philip Becker..... | do | do | 1 00 |
| Lamothe, Olivier..... | 3 | 1864 | 1 | 15 | ..... | ..... | ..... | Sorel..... | do | Criquet..... | do | do | 1 00 |
| Laféche, Augustin..... | 2 | 1860 | 1 | 19 | ..... | ..... | ..... | do | do | Trois Rivières..... | do | do | 1 00 |
| Lacombe, Louis..... | 3 | 1860 | 1 | 19 | ..... | ..... | ..... | do | do | Albert..... | do | do | 1 00 |
| Leclaire, Win..... | 3 | 1868 | 1 | 11 | 1878 | 1 | ..... | do | do | City of St. John..... | do | do | 1 00 |
| Lachance, Joseph..... | 1 | 1871 | 3 | 6 | ..... | ..... | ..... | do | do | Montreal..... | do | do | 1 00 |
| Lacombe, Alfred..... | 1 | 1875 | 2 | 3 | ..... | ..... | ..... | do | do | Calumet..... | do | do | 1 00 |
| Langevin, Pierre..... | 1 | 1872 | 3 | 5 | ..... | ..... | ..... | Rivière-du-Loup..... | do | Zebia..... | do | do | 8 00 |
| Leclaire, Michel..... | 2 | 1860 | 1 | 19 | ..... | ..... | ..... | Sorel..... | do | Berthier..... | do | do | 1 00 |
| Lavallée, Alfred..... | 2 | 1878 | 1 | 1 | ..... | ..... | ..... | do | do | Cultivateur..... | do | do | 1 00 |
| Lacroix, Louis..... | 3 | 1860 | 1 | 19 | ..... | ..... | ..... | Trois Rivières..... | do | Arthur..... | do | do | 1 00 |
| Lacroix, Pierre..... | 3 | 1860 | 1 | 19 | ..... | ..... | ..... | do | do | Nil..... | do | do | 1 00 |
| Lanneville, Archille..... | 1 | 1870 | 2 | 8 | ..... | ..... | ..... | do | do | Bourgeois..... | do | do | 1 00 |
| Lussier, Raphael..... | 2 | 1860 | 2 | 18 | ..... | ..... | ..... | do | do | L'Assomption..... | do | do | 1 00 |
| Lemay, Isaié..... | 3 | 1868 | 1 | 11 | ..... | ..... | ..... | St. E. de Lotbinière | do | Napoleon III..... | do | do | 1 00 |
| Lard, Remi..... | 3 | 1870 | 1 | 9 | ..... | ..... | ..... | Lotbinière..... | do | William..... | do | do | 1 00 |
| Lahaye, Francis..... | 2 | 1860 | 1 | 19 | ..... | ..... | ..... | Lévis..... | do | St. George..... | do | do | 1 00 |
| Langlois, Olivier..... | 1 | 1870 | 3 | 7 | ..... | ..... | ..... | do | do | Rover..... | do | do | 1 00 |
| Lafaire, Hector..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | Deschambault..... | do | Reindeer..... | do | do | 1 00 |
| Lard, Jos. Gideon..... | 1 | 1876 | 3 | 1 | ..... | ..... | ..... | Cap. St. Ignace..... | do | Lady Forest..... | do | do | 5 60 |
| Lachance, Alfred..... | 3 | 1872 | 1 | 6 | 1872 | 1 | ..... | Quebec..... | do | Nil..... | do | do | 2 00 |
| Lavallière, François..... | 1 | 1871 | 2 | 4 | 1873 | 1 | ..... | Lévis..... | do | Randolf..... | do | do | 2 00 |
| Lamotte, Louis..... | 2 | 1860 | 2 | 18 | ..... | ..... | ..... | St. Nicholas..... | do | Eugenie..... | do | do | 1 00 |
| Lapointe, Joseph..... | 2 | 1860 | 1 | 19 | ..... | ..... | ..... | Lévis..... | do | Becancour..... | do | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|------------------------|--------------------|------------------------------|----------------------------------|------------------------------|--------------------|----------------------------------|------------------------------|----------------|-----------------------|------------------------------|-------------------|----------------------|---------|
| | | | | | | | | | | | | | \$ cts. |
| Lemieux, Joseph..... | 2 | | 1870 | 4 | 6 | | | | Lévis..... | Prince Edward..... | Board..... | 1879. | 1 00 |
| Iacroix, Treflé..... | 2 | | 1860 | 1 | 19 | | | | St. Antoine..... | Etoile..... | do..... | do | 1 00 |
| Lamotte, Octave..... | | 1 | 1871 | 3 | 6 | | | | St. Croix..... | Saguenay..... | do..... | do | 1 00 |
| Lacroix, Wilfred..... | 2 | | 1860 | 2 | 18 | | | | Lévis..... | Champion..... | do..... | do | 1 00 |
| Lapointe, Michael..... | | 1 | 1870 | 1 | 9 | | | | do..... | Norwegian..... | do..... | do | 1 00 |
| Lyons, J. A..... | | 1 | 1876 | 1 | 3 | | | | Fredericton, N.B..... | Nymphias..... | do..... | do | 2 00 |
| Lawson, Henry Chas.. | 3 | | 1878 | 1 | 1 | | | | Victoria, B.C..... | Sir Jas. Douglas.. | do..... | do | 1 00 |
| Lec, Fred. Augustus .. | | 1 | 1877 | 2 | 1 | 1877 | 3 | | New Westminster.. | Gem..... | do..... | do | 5 00 |
| Lockhart, Jas. King... | 3 | | 1876 | 1 | 3 | | | | Burrard Inlet..... | Union..... | do..... | do | 1 00 |
| Lee, Christopher..... | 2 | | 1876 | 1 | 3 | | | | New Westminster.. | Ada..... | do..... | do | 1 00 |
| Littlebury, John..... | 3 | | 1878 | 1 | 1 | 1877 | 1 | | Manitoba..... | Lille..... | do..... | do | 1 00 |
| Munro, Francis..... | 2 | | 1862 | 1 | 17 | | | | Argyle..... | Argyle..... | do..... | do | 1 00 |
| Morrison, Thos. W.... | | 3 | 1878 | 1 | 1 | | | | Victoria..... | Victoria..... | do..... | do | 1 00 |
| Morrison, Hugh..... | 3 | | 1870 | 2 | 8 | | | | do..... | do..... | do..... | do | 1 00 |
| May, John..... | 1 | | 1864 | 2 | 14 | | | | Sarnia..... | Huron..... | do..... | do | 1 00 |
| Mellon, George..... | | 2 | 1876 | 2 | 2 | | | | do..... | do..... | do..... | do | 1 00 |
| Mitchell, Wm..... | | 1 | 1877 | 1 | 2 | 1874 | 1 | | Fort Erie..... | Dennis Bowen..... | do..... | do | 1 00 |

| Name | 1879 | 1878 | 1877 | 1876 | 1875 | 1874 | 1873 | 1872 | 1871 | 1870 | 1869 | 1868 | 1867 | 1866 | 1865 | 1864 | 1863 | 1862 | 1861 | 1860 | 1859 | 1858 | 1857 | 1856 | 1855 | 1854 | 1853 | 1852 | 1851 | 1850 |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Meade, Wm | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Menish, Angus | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Munson, W. H. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Maluè, Jean B. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Millar, John B. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Mallory, Charles | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Morrill, Thos. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Marshall, Irwin | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Milward, Benjamin | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Mitchell, George | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Miller, Sopha | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Main, Thos. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Mills, J. A. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Marshall, Thos. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Murphy, Thos, No. 1. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Mills, Thos. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Morrow, James | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Mephan, Wm. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Magee, Richard | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Merkley, Jacob | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Magden, Daniel | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Milne, Wm. | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Maxwell, James | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Monck, Rolla C. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879—Continued

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|-----------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Merriam, Charles..... | ..... | 1 | 1875 | 2 | 3 | 1878 | 1 | ..... | Mill Point..... | Pilgrim..... | Board..... | 1879. | 5 00 |
| Miller, John..... | 2 | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | Kingston..... | Empress of India... | do..... | do | 1 00 |
| Mathews, Jacob..... | ..... | 1 | 1870 | 2 | 8 | ..... | ..... | ..... | do..... | Marquis of Lorne... | do..... | do | 1 00 |
| Mullin, John..... | 3 | ..... | 1876 | 4 | ..... | ..... | ..... | ..... | Garden Island..... | Hiram Calvin..... | do..... | do | 5 00 |
| Mundell, John..... | 3 | ..... | 1873 | 3 | 4 | ..... | ..... | ..... | Kingston..... | Cruiser..... | do..... | do | 1 00 |
| Marshall Robert..... | ..... | 1 | 1877 | 3 | ..... | 1876 | 1 | ..... | do..... | Jessie Hall.. | do..... | do | 5 00 |
| Murphy, Martin..... | 3 | ..... | 1875 | 4 | 1 | ..... | ..... | ..... | Elgin..... | Victoria..... | do..... | do | 5 00 |
| Morasey, John..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Peterborough..... | Golden Eye..... | do..... | do | 5 00 |
| Mulholland, James..... | ..... | 1 | 1875 | 3 | 2 | ..... | ..... | ..... | Kingston..... | Pearl..... | do..... | do | 1 00 |
| Madden, Michael..... | 2 | ..... | 1861 | 1 | 18 | ..... | ..... | ..... | do..... | D. C. West..... | do..... | do | 1 00 |
| Martin, Pierre..... | ..... | 1 | 1873 | 1 | 6 | 1873 | 1 | ..... | Montreal..... | Elevator..... | do..... | do | 1 00 |
| Marchand, Jos., No. 1..... | ..... | 2 | 1874 | 2 | 4 | ..... | ..... | ..... | Champlain..... | do..... | do..... | do | 1 00 |
| Morin, Démase..... | ..... | 1 | 1875 | 3 | 2 | 1873 | 1 | ..... | Montreal..... | Elevator No. 8..... | do..... | do | 1 00 |
| Mallet, Hyacinthe..... | 3 | ..... | 1867 | 1 | 12 | ..... | ..... | ..... | do..... | William..... | do..... | do | 1 00 |
| Mallet, Hyacinthe, jun..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | do..... | Celtic..... | do..... | do | 5 00 |
| Martineau, Jos., jun..... | ..... | 2 | 1874 | 2 | 4 | ..... | ..... | ..... | do..... | Nil..... | do..... | do | 1 00 |
| Morris, Chas. George..... | ..... | 1 | 1878 | 2 | ..... | 1877 | 1 | ..... | do..... | S. S. Moya..... | do..... | do | 4 90 |

| | 1 | 1873 | 3 | 4 | | Champlain... | Algerian | do | do | 1 00 |
|-------------------------|---|------|---|----|------|------------------|--------------------|----|----|------|
| Marchand, Narcisse..... | 3 | 1867 | 1 | 12 | | do | Princess..... | do | do | 1 00 |
| Marchand, Jos., No 2. | 2 | 1865 | 1 | 14 | | Montreal..... | Portnauf..... | do | do | 1 00 |
| Marineau, Joseph, sen | 1 | 1860 | 1 | 19 | | Sorel..... | Nil..... | do | do | 1 00 |
| Martin, Ass..... | 2 | 1860 | 1 | 19 | | do | M. F. Parsons..... | do | do | 1 00 |
| Matte, Charles | 2 | 1860 | 1 | 19 | | do | Canada..... | do | do | 1 00 |
| Matte, J | 2 | 1860 | 2 | 18 | | do | John Brown..... | do | do | 1 00 |
| Mathew, Thos..... | 2 | 1862 | 2 | 16 | | do | Star..... | do | do | 1 00 |
| Marin, Alexis..... | 2 | 1872 | 3 | 5 | 1878 | do | Rocket..... | do | do | 1 00 |
| Matte, Wm..... | 3 | 1861 | 1 | 18 | | do | Lucie..... | do | do | 1 00 |
| Milotte, Pierre..... | 3 | 1866 | 1 | 13 | | do | Terrebonne..... | do | do | 1 00 |
| Matte, J. Bte..... | 2 | 1860 | 1 | 19 | | do | Druwdge..... | do | do | 1 00 |
| Mandeville, François.. | 3 | 1874 | 1 | 5 | 1873 | do | Albert..... | do | do | 1 00 |
| CMarcotte, Thos | 2 | 1878 | 2 | | | Champlain..... | Dagnar..... | do | do | 1 00 |
| Marchand, Hilaire..... | 1 | 1873 | 3 | 4 | 1872 | Sorel..... | Dredge..... | do | do | 1 00 |
| Martin, Joseph..... | 1 | 1877 | 2 | 1 | | do | F. Shop..... | do | do | 5 00 |
| Meary, James..... | 3 | 1879 | 1 | | | Quebec..... | S S. Druid..... | do | do | 5 00 |
| M'chaud Achille..... | 3 | 1879 | 1 | | | do | do Valetta..... | do | do | 5 00 |
| Morin, Joseph | 3 | 1879 | 1 | | | Champlain..... | Gatineau..... | do | do | 5 00 |
| Marchand, Jos, No. 3. | 2 | 1876 | 3 | 1 | 1874 | Lévis..... | Champion..... | do | do | 1 00 |
| Marin Ernest | 3 | 1860 | 1 | 19 | | do | Gatineau..... | do | do | 1 00 |
| Morin, Pierre..... | 3 | 1876 | 1 | 3 | | do | Eclipse | do | do | 1 00 |
| Moreau, Guillaume..... | 1 | 1873 | 2 | 5 | | Sydney, C.B..... | Unicorn..... | do | do | 1 00 |
| Marshall, James..... | 1 | 1877 | 1 | 2 | 1876 | Miramichi..... | Derby..... | do | do | 1 00 |
| Miller, J. C..... | 1 | 1875 | 2 | 3 | | P. E Island..... | Ferry..... | do | do | 1 00 |
| Mitchell, Wm..... | 1 | | | | | | | | | |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|---------------------|--------------------|------------------------------|----------------------------------|------------------------------|--------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|---------|
| | | | | | | | | | | | | | \$ cts. |
| Morris, James | 1 | | 1873 | 2 | 5 | | | | St. John, N. B. | Glendon | Board | 1879. | 1 00 |
| Morton, Wm. | | 3 | 1869 | 1 | 10 | | | | Halifax, N.S. | Ferry | do | do | 1 00 |
| Millen, J. D. | 3 | | 1877 | 2 | 1 | 1875 | 1 | | Yarmouth, N.S. | Alida | do | do | 5 00 |
| Montgomery, L. B. | 3 | | 1874 | 4 | 2 | | | | Quebec | Rocket | do | do | 5 00 |
| Mills, Robert | | 1 | 1877 | 1 | 2 | 1876 | 1 | | Dalhousie | Nil | do | do | 2 00 |
| Moyes, John | 3 | | 1877 | 2 | 1 | 1876 | 1 | | Halifax, N.S. | Leopard | do | do | 5 00 |
| Morris, Ma. colm. | | 2 | 1879 | 1 | | | | | St. John, N.B. | Nil | do | do | 5 00 |
| Madigan, Benjamin | 2 | | 1876 | 1 | 3 | | | | Victoria, B.C. | Beaver | do | do | 1 00 |
| Marwick, J. Holland | | 1 | 1876 | 1 | 3 | | | | New Westminster | Leviathan | do | do | 1 00 |
| Menanteau, August | | 3 | 1877 | 1 | 2 | | | | Kamloops | Spallumcheen | do | do | 1 00 |
| Menanteau, August | L | | 1877 | 1 | 2 | 1878 | 2 | | do | do | do | do | 5 00 |
| Meyer, Christian | | 1 | 1876 | 1 | 3 | | | | New Westminster | Leviathan | do | do | 1 00 |
| McLeod, Kenneth | | 1 | 1877 | 3 | | | | | Wallaceburg | Barge Beaver | do | do | 5 00 |
| McLaren, Ronald | 3 | | 1877 | 1 | 3 | | | | Sarnia | J. C. Clark | do | do | 1 00 |
| McDonald, Duncan F. | | 1 | 1872 | 3 | 5 | | | | Port Lambton | Nil | do | do | 6 00 |
| McDonald, John D. | | 1 | 1872 | 2 | 6 | | | | do | do | do | do | 2 00 |
| McDonald, Alexander | 2 | | 1870 | 4 | 6 | | | | Sarnia | Saginaw | do | do | 1 00 |

| | | | | | | | | | | |
|------------------------|---|------|---|----|------|----------------------|----------------------|----------|----------|------|
| McKeebin, Wm..... | 3 | 1879 | 1 | | | Hamilton..... | Juliette..... | do | do | 5 00 |
| McQuade, Henry..... | 2 | 1875 | 2 | 3 | | Toronto | Hattie Vinton | do | do | 1 00 |
| McBride, Thomas..... | 1 | 1877 | 3 | | | Collingwood..... | Metamora..... | do | do | 5 00 |
| McCauley, James..... | 3 | 1879 | 1 | | | do | Northern Queen ... | do | do | 5 00 |
| McGee, Wm..... | 1 | 1877 | 1 | 2 | | do | Mill..... | do | do | 1 00 |
| McKee, John..... | 2 | 1875 | 2 | 3 | | Dunnville..... | R. B. McPherson... | do | do | 1 00 |
| McGuinniss, William.. | 1 | 1872 | 2 | 6 | | Port Colborne..... | Maggie..... | do | do | 1 00 |
| McCulloch, John..... | 1 | 1872 | 2 | 6 | 1868 | do | C. M. Carter..... | do | do | 1 00 |
| McMaugh, A. W..... | 3 | 1875 | 5 | | 1877 | St. Catharines | Sovereign..... | do | do | 1 00 |
| McIntyre, Tbos. Ross.. | 3 | 1879 | 1 | | | do | do | do | do | 5 00 |
| McMaugh, Wm. J..... | 2 | 1872 | 5 | 3 | 1873 | do | Ocean | do | do | 5 00 |
| McCoppen, James..... | 2 | 1878 | 2 | | | Port Robinson | Dredge | do | do | 5 00 |
| Maclean, Thomas..... | 2 | 1870 | 5 | 5 | 1869 | St. Catharines..... | Europe..... | do | do | 1 00 |
| McCracken, Jos. Thos. | 3 | 1879 | 1 | | | Port Robinson..... | M. R. Mitchell..... | do | do | 5 00 |
| McQuade, David..... | 3 | 1874 | 4 | 2 | 1877 | Nottawa..... | Magnetawan..... | do | do | 1 00 |
| McArthur, Alex..... | 3 | 1872 | 4 | 4 | 1871 | Pitt's Ferry..... | Nipissing | do | do | 1 00 |
| McQuade, James..... | 2 | 1864 | 1 | 15 | | Nottawa..... | Waubuno | do | do | 1 00 |
| McKenzie, John..... | 3 | 1879 | 1 | | | Gravenhurst..... | Nipissing | do | do | 5 00 |
| McFaull, Michael, Jun. | 2 | 1878 | 2 | | | Montreal | H. B. Sherwood.... | do | do | 5 00 |
| McReddy, Wm..... | 3 | 1874 | 1 | 5 | 1873 | Garden Island..... | Hiram A. Calvin.... | do | do | 1 00 |
| McNamee, Peter..... | 1 | 1871 | 3 | 6 | | Hamlet | Eleanor | do | do | 1 00 |
| McManus, Patrick T... | 2 | 1865 | 1 | 14 | | Bath | City of Belleville.. | do | do | 1 00 |
| McArdle, Patrick..... | 3 | 1879 | 1 | | | Kingston | Geneva | do | do | 5 00 |
| McGillivray, James.... | 1 | 1878 | 2 | | 1877 | Washburne | Rose | do | do | 5 00 |
| McArthur, James, No. 3 | 2 | 1878 | 2 | | | Peace-bridge | Wenona | do | do | 5 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employed. | By whom Examined. | Date of Certif. rate. | Fee. \$ cts. |
|------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|----------------------|--------------------------------|-------------------|-----------------------|--------------|
| McRae, Alex ..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Beaverton..... | Shop..... | Board..... | 1879. | 5 00 |
| McFaul, Michael..... | 3 | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | Kingston..... | H. B. Sherwood..... | do | do | 1 00 |
| McCaig, Duncan..... | 3 | ..... | 1866 | 1 | 13 | ..... | ..... | ..... | Allan's Corners..... | Chaudière | do | do | 1 00 |
| McLean, David..... | 2 | ..... | 1870 | 2 | 8 | ..... | ..... | ..... | Aylmer..... | Bohemian..... | do | do | 1 00 |
| McArthur, James, No. 1 | 3 | ..... | 1870 | 4 | 6 | 1876 | 3 | ..... | Montreal..... | Albion..... | do | do | 5 00 |
| McRoberts, Alex..... | 2 | ..... | 1860 | 1 | 19 | ..... | ..... | ..... | Chateauguay..... | Peerless | do | do | 1 00 |
| McGowan, Wm..... | 1 | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | Ottawa..... | Queen Victoria..... | do | do | 1 00 |
| McElroy, Thos..... | ..... | 1 | 1867 | 1 | 12 | ..... | ..... | ..... | do | Maude..... | do | do | 1 00 |
| McMillan, Wm..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Quebec..... | Admiral D.P..... | do | do | 5 00 |
| McDonald, Daniel..... | ..... | 2 | 1877 | 1 | 2 | ..... | ..... | ..... | Halifax, N.S..... | Daisy..... | do | do | 1 00 |
| McDonald, Angus..... | ..... | 2 | 1871 | 2 | 7 | ..... | ..... | ..... | Pictou, N.S..... | Dragon | do | do | 1 00 |
| McDonald, John..... | 3 | ..... | 1873 | 2 | 5 | ..... | ..... | ..... | Newcastle, N.B., .. | Androon..... | do | do | 1 00 |
| McFarlane, D. H..... | ..... | 1 | 1872 | 2 | 6 | ..... | ..... | ..... | Pictou, N.S..... | Nil..... | do | do | 1 00 |
| McKenzie, Allan..... | ..... | 1 | 1876 | 1 | 3 | ..... | ..... | ..... | Sydney, C.B..... | Lady of the Lake .. | do | do | 1 00 |
| McKenzie, J. T. .... | ..... | 2 | 1876 | 2 | 2 | 1877 | 1 | ..... | St. John, N.B..... | Dredge..... | do | do | 1 00 |
| McKenzie, Peter..... | ..... | 1 | 1877 | 1 | 2 | ..... | ..... | ..... | Glace Bay..... | C. M. Cates | do | do | 1 00 |
| McKenzie, D. H..... | ..... | 1 | 1876 | 1 | 3 | ..... | ..... | ..... | do | L. Boyer..... | do | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|--------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|-----------------------|------------------------------|-------------------|----------------------|------|
| Neilson, Robt ..... | ..... | 1 | 1872 | 1 | 7 | ..... | ..... | ..... | Newcastle | Laddie | Board | 1879 | 1 00 |
| Neil, Henry ..... | ..... | 1 | 1877 | 1 | 2 | ..... | ..... | ..... | New Westminster | do | do | do | 5 00 |
| Odette, Henry | 3 | ..... | 1871 | 2 | 7 | 1870 | 1 | ..... | Sarnia | Trudeau | do | do | 1 00 |
| O'Brian, John N ..... | ..... | 1 | 1871 | 2 | 7 | ..... | ..... | ..... | Port Robinson | Dredge | do | do | 1 00 |
| O'Reilly, Thos | 2 | ..... | 1865 | 2 | 13 | ..... | ..... | ..... | Kingston | Hastings | do | do | 1 00 |
| Ormiston, Wm. A ..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Gananoque | Clara Louise | do | do | 5 00 |
| O'Neill, Michael J ..... | ..... | 2 | 1877 | 2 | 1 | 1873 | 1 | ..... | Newborough | Crusoe | do | do | 1 00 |
| O'Brien, Lawrence | 3 | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | Kingston | Elevator | do | do | 1 00 |
| O'Neill, James ..... | ..... | 1 | 1876 | 3 | 1 | ..... | ..... | ..... | Newborough | D. C. West | do | do | 1 00 |
| O'Neill, Thomas ..... | ..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | do | Oswego Belle | do | do | 1 00 |
| O'Reilly, James | 3 | ..... | 1867 | 1 | 12 | ..... | ..... | ..... | Port Hope | Norseman | do | do | 1 00 |
| Orchard, Hiram ..... | ..... | 1 | 1872 | 1 | 7 | ..... | ..... | ..... | St. John, N.B. | Nil | do | do | 2 00 |
| Palmer, Isaac W ..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | Newburgh | Metamora | do | do | 5 00 |
| Pettigrew, Thos | 1 | ..... | 1870 | 3 | 7 | ..... | ..... | ..... | Sarnia | Quebec | do | do | 1 00 |
| Park, Joseph | 2 | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | Windsor | Great Western | do | do | 1 00 |
| Pirie, Alex ..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | ..... | Transfer | do | do | 5 00 |
| Pettigrew, George | 3 | ..... | 1875 | 4 | 1 | 1874 | 1 | ..... | Sarnia | Ana | do | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|-------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|----------------------|------------------------------|-------------------|----------------------|--------|
| | | | | | | | | | | | | | \$ cts |
| Patric, Barthelème..... | ..... | 1 | 1873 | 3 | 4 | 1872 | 1 | ..... | Lévis | Beaver | Board | 1879 | 1 00 |
| Parker, Stephen D..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Quebec..... | C. H. Curtis..... | do | do | 5 00 |
| Pierce, Abraham | 2 | ..... | 1870 | 1 | 9 | ..... | ..... | ..... | Halifax, N.S. | Ferry..... | do | do | 1 00 |
| Pierce, Wm..... | 3 | ..... | 1870 | 1 | 9 | ..... | ..... | ..... | do | do | do | do | 1 00 |
| Spool, W. S ..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | do | do | 5 00 |
| Paul, Francis ..... | ..... | 2 | 1873 | 1 | 6 | ..... | ..... | ..... | St. John, N.B. | Neptune..... | do | do | 6 00 |
| Parks, Wm. B..... | ..... | 2 | 1877 | 2 | 1 | ..... | ..... | ..... | do | Hercules..... | do | do | 1 00 |
| Payne, James G..... | 3 | ..... | 1879 | 1 | ..... | 1869 | 1 | ..... | P. E. Island | Dredge | do | do | 5 00 |
| Porter, John E..... | 1 | ..... | 1869 | 2 | 9 | ..... | ..... | ..... | St. John, N.B. | Starr..... | do | do | 1 00 |
| Paul, Charles ..... | ..... | 2 | 1876 | 2 | 2 | ..... | ..... | ..... | Burrard Inlet..... | Maggie | do | do | 1 00 |
| Penny, Thomas ..... | ..... | 3 | 1879 | 1 | ..... | 1878 | 1 | ..... | New Westminster..... | Nellie Taylor..... | do | do | 5 00 |
| Philpott, Richard..... | ..... | 2 | 1879 | 1 | ..... | 1878 | 1 | ..... | Manitoba | Northcote..... | do | do | 5 00 |
| Quackenbush, Chas ..... | ..... | 1 | 1878 | 1 | 1 | 1876 | 2 | ..... | Port Dalhousie..... | Powell Beyer..... | do | do | 1 00 |
| Quin, Patrick ..... | ..... | 3 | 1878 | 1 | 1 | ..... | ..... | ..... | do | Alma Munroe..... | do | do | 1 00 |
| Quigley, James. .... | ..... | 1 | 1870 | 2 | 8 | 1877 | 1 | ..... | Kingston..... | Olive | do | do | 1 00 |
| Quin, Michael | 2 | ..... | 1860 | 1 | 19 | ..... | ..... | ..... | Montreal | Joe Mac..... | do | do | 1 00 |
| Quig, John..... | ..... | 4 | 1875 | 4 | 3 | ..... | ..... | ..... | Beauharnois | St. Francis..... | do | do | 1 00 |

| | 2 | 1862 | 1 | 17 | | do | do | do | 1 00 |
|----------------------|---|------|---|----|----------------|----|-----------------|----|------|
| Quig, Samuel | 1 | 1869 | 1 | 19 | Sorel | do | Beauharnois | do | 1 00 |
| Query, Onisine | 1 | 1873 | 3 | 4 | Quebec | do | John Young | do | 1 00 |
| Quin, Henry | 1 | 1869 | 3 | 7 | Chatham | do | Dolphin | do | 1 00 |
| Robert, Joseph | 2 | 1874 | 2 | 4 | Windsor | do | Alexander | do | 1 00 |
| Russell, W. A. | 1 | 1876 | 3 | 1 | | do | Michigan | do | 1 00 |
| Ross, John, No. 3 | 1 | 1862 | 2 | 16 | | do | D. R. Van Allen | do | 5 00 |
| Reilley, Robert | 3 | 1871 | 1 | 8 | Hamilton | do | International | do | 1 00 |
| Reid, Thos. G. | 3 | 1870 | 2 | 8 | | do | Nil | do | 1 00 |
| Reynolds, J. F. | 2 | 1875 | 2 | 3 | Bruce Mines | do | Nil | do | 1 00 |
| Renzie, Robert | 2 | 1879 | 1 | | | do | Kate Marks | do | 1 00 |
| Robinson, Frederick | 3 | 1879 | 1 | | Toronto | do | Nil | do | 5 00 |
| Reid, Wm. O. | 2 | 1878 | 2 | | Wallaceburg | do | Ontario | do | 5 00 |
| Radcliff, E. D. | 3 | 1869 | 1 | 10 | St. Catharines | do | R. B. McPherson | do | 5 00 |
| Ramsey, Alex. | 1 | 1869 | 1 | 10 | do | do | Lincoln | do | 1 00 |
| Ross, Wm. | 1 | 1869 | 1 | 10 | Port Robinson | do | Five Brothers | do | 1 00 |
| Ross, John, No. 1. | 1 | 1874 | 3 | 3 | do | do | M. R. Mitchell | do | 1 00 |
| Ross, Robert | 3 | 1873 | 1 | 6 | do | do | M. R. King | do | 1 00 |
| Ross, George, No. 1. | 2 | 1878 | 2 | | Little Britain | do | M. R. King | do | 2 00 |
| Rodman, Joseph | 2 | 1877 | 2 | 1 | Newborough | do | Arlington | do | 5 00 |
| Rice, John | 3 | 1870 | 3 | 7 | Prescott | do | McArthur | do | 5 00 |
| Roy, Francis | 1 | 1869 | 2 | 9 | Kingston | do | Transit | do | 1 00 |
| Rochfort, Alex. | 3 | 1864 | 1 | 15 | Lachine | do | Lily | do | 1 00 |
| Ryan, Thos | 1 | 1879 | 1 | | Montreal | do | Prince of Wales | do | 5 00 |
| Robitaille, Louis | 3 | 1879 | 1 | | do | do | Fawn | do | 1 00 |
| Robinson, James | 3 | 1879 | 1 | | do | do | Nil | do | 5 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|--------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Robert, Placide | 3 | ..... | 1867 | 1 | 12 | ..... | ..... | ..... | Sorel..... | Mouche-à-Feu..... | Board | 1879 | 1 00 |
| Rondeau, Louis | 3 | ..... | 1864 | 1 | 15 | ..... | ..... | ..... | do | Louise..... | do | do | 1 00 |
| Rondeau, Dieudonne ..... | ..... | 3 | 1877 | 1 | 2 | ..... | ..... | ..... | do | Nil..... | do | do | 1 00 |
| Racicot, Antoine..... | 3 | ..... | 1863 | 1 | 16 | ..... | ..... | ..... | do | Maxwell..... | do | do | 1 00 |
| Ⓢ Rappelle, George ..... | ..... | 1 | 1867 | 2 | 11 | ..... | ..... | ..... | do | St. James..... | do | do | 5 00 |
| Racette, Moise ..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Montreal..... | Nil..... | do | do | 5 00 |
| Ritter, Edmond A..... | ..... | 1 | 1875 | 3 | 2 | ..... | ..... | ..... | Sorel..... | Nil..... | do | do | 2 00 |
| Raymond, Onisime..... | ..... | 3 | 1876 | 1 | 3 | ..... | ..... | ..... | do | Champlain..... | do | do | 1 00 |
| Ralph, Josiah | 1 | ..... | 1867 | 3 | 10 | ..... | ..... | ..... | Quebec..... | Napoleon III..... | do | do | 1 00 |
| Roussel, Luc..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Lévis | South | do | do | 5 00 |
| Rigney, Wm..... | ..... | 1 | 1879 | 1 | ..... | ..... | ..... | ..... | Quebec..... | C. H. Curtis..... | do | do | 5 00 |
| Roupeau, Elisee..... | 3 | ..... | 1860 | 1 | 19 | ..... | ..... | ..... | Lévis | Ranger..... | do | do | 1 00 |
| Roy, Alfred ..... | ..... | 1 | 1869 | 3 | 8 | 1876 | 1 | ..... | do | Dauntless..... | do | do | 1 00 |
| Roger, Cleophas..... | 3 | ..... | 1870 | 4 | 6 | ..... | ..... | ..... | do | Lady Head | do | do | 5 00 |
| Revel, John..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Halifax, N.S..... | Glendon | do | do | 5 00 |
| Reed, John..... | ..... | 2 | 1876 | 2 | 2 | ..... | ..... | ..... | Pictou, N.S..... | Alpha..... | do | do | 1 00 |
| Ryan, J. W..... | ..... | 2 | 1878 | 2 | ..... | 1877 | 1 | ..... | do | Daisy..... | do | do | 5 00 |

| | 1876 | 2 | 1876 | 1 | Halifax, N.S. | Flamborough. | do | 1 00 |
|-----------------------|------|----|------|----|----------------|---------------------|----|------|
| Ritchie, Wm. | 3 | 2 | 1876 | 1 | St. John, N.B. | W. Extension | do | 1 00 |
| Retail, John. | 1 | 4 | 1871 | 5 | Victoria, B.C. | Iris | do | 5 00 |
| Regan, Daniel | 2 | 1 | 1879 | 1 | do | Cariboo Fly | do | 5 00 |
| Robertson, John. | 3 | 1 | 1876 | 3 | Chatham. | M. R. Robertson | do | 1 00 |
| Sutherland, David. | 2 | 1 | 1861 | 18 | Hamilton. | Celtic | do | 1 00 |
| Scott, Walter. | 2 | 1 | 1860 | 19 | do | Nipigon | do | 1 00 |
| Scott, Charles. | 2 | 4 | 1872 | 4 | Kincardine | M. R. Robertson | do | 5 00 |
| Stoner, David. | 2 | 2 | 1876 | 2 | Collingwood. | Collingwood | do | 5 00 |
| Smith, James L. | 3 | 3 | 1877 | 3 | Dunnville | Farming | do | 1 00 |
| Swanson, John | 1 | 1 | 1870 | 9 | Port Colborne | Hector | do | 1 00 |
| Smith, J. H. | 1 | 3 | 1872 | 5 | Port Dalhousie | H. Neelon | do | 1 00 |
| Smith, Wm. | 2 | 2 | 1875 | 3 | Lindsay | Ontario | do | 1 00 |
| Smith, F. E. | 1 | 2 | 1875 | 3 | St. Catharines | L. Shickluna | do | 1 00 |
| Stevens, John. | 2 | 12 | 1866 | 2 | Kingston. | do | do | 1 00 |
| Swift, John. | 2 | 4 | 1874 | 2 | Collingwood. | City of Winnipeg | do | 1 00 |
| Swain, Wm. J. | 2 | 1 | 1877 | 2 | Huntsville. | Northern | do | 5 00 |
| Smiley, John. | 1 | 1 | 1877 | 1 | Port Rowan | R. A. Reynolds | do | 1 00 |
| Spain, Frederick. | 1 | 3 | 1874 | 3 | Bobcageon | Samson | do | 5 00 |
| Stevens, James | 2 | 1 | 1877 | 2 | Kingston | do | do | 1 00 |
| Sullivan, Wm. | 1 | 10 | 1869 | 1 | Brockville | J. J. Gooderil, U.S | do | 5 00 |
| Sheriff, C. J. | 2 | 1 | 1879 | 1 | Kingston | Robt. Anglin | do | 5 00 |
| Sutherland, Wm. | 1 | 3 | 1873 | 4 | Matilda | Chiefain | do | 1 00 |
| Sommerville, Francis. | 2 | 1 | 1872 | 7 | Garden Island | John A. Macdonald | do | 1 00 |
| Simons, John | 2 | 2 | 1871 | 7 | do | Hiram A. Calvin | do | 1 00 |
| Smith, Thos. | 3 | 1 | 1862 | 17 | | | do | 1 00 |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | F e. |
|---------------------------|--------------------|------------------------------|----------------------------------|------------------------------|--------------------|----------------------------------|------------------------------|----------------|----------------------|------------------------------|-------------------|----------------------|------|
| Stevens, David..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | Newborough..... | Elswood..... | Board..... | 1879 | 5 00 |
| Smeaton, Alex..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Kingston..... | Carleton..... | do..... | do | 5 00 |
| Simmons, G. L..... | 2 | ..... | 1869 | 5 | 6 | ..... | ..... | ..... | Portsmouth..... | McArthur..... | do..... | do | 5 00 |
| Scott, Thomas..... | ..... | 1 | 1869 | 1 | ..... | ..... | ..... | ..... | Bobcaygeon..... | Samson..... | do..... | do | 5 00 |
| Short, Thomas..... | 2 | ..... | 1872 | 3 | 5 | 1874 | 1 | ..... | Montreal..... | C. J. Brydges..... | do..... | do | 5 00 |
| Seguin, Jean B., sen..... | 3 | ..... | 1872 | 3 | 5 | ..... | ..... | ..... | do..... | J. B. A..... | do..... | do | 1 00 |
| Smith, Wm. J..... | 3 | ..... | 1878 | 2 | ..... | 1877 | 1 | ..... | Portage du Fort..... | Empress..... | do..... | do | 5 00 |
| Stroh, George F..... | ..... | 1 | 1877 | 1 | 2 | ..... | ..... | ..... | Buffalo..... | John Hickles..... | do..... | do | 1 00 |
| Seguin, Jean B., jun..... | ..... | 1 | 1871 | 2 | 7 | ..... | ..... | ..... | Montreal..... | Aretic..... | do..... | do | 1 00 |
| Sheridan, Michel..... | ..... | 1 | 1871 | 2 | 7 | 1876 | 1 | ..... | Sorel..... | Montreal..... | do..... | do | 1 00 |
| St. Martin, N cisse..... | ..... | 2 | 1877 | 1 | 2 | ..... | ..... | ..... | do..... | Nil..... | do..... | do | 1 00 |
| St. Martin, Felix..... | ..... | 1 | 1871 | 3 | 6 | ..... | ..... | ..... | do..... | Lizza..... | do..... | do | 1 00 |
| St. Louis, Hercules..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | do..... | St. Louis..... | do..... | do | 5 00 |
| St. Amand, Honore..... | 3 | ..... | 1867 | 1 | 12 | ..... | ..... | ..... | do..... | Aurora..... | do..... | do | 1 00 |
| Spinard, J. Bte..... | 3 | ..... | 1871 | 4 | 5 | ..... | ..... | ..... | do..... | Elevateur..... | do..... | do | 1 00 |
| Stadworthy, Wm..... | 3 | ..... | 1873 | 3 | 4 | 1872 | 1 | ..... | do..... | John Pratt..... | do..... | do | 5 00 |
| St. Pierre, Antoine..... | 3 | ..... | 1868 | 3 | 9 | ..... | ..... | ..... | Trois Rivières..... | St. Maurice..... | do..... | do | 5 00 |

| | 1 | 1876 | 2 | 3 | 1874 | 1 | do | La Ligne | do | do | do | do | do |
|-------------------------|---|------|---|----|------|---|---------------------------|----------------|----|----|----|----|----|
| St. Pierre, Alfred | | | | | | | Lanzon | Lake | do | do | do | do | do |
| Samson, Ernest | 2 | 1872 | 5 | 3 | | | New York | Canima | do | do | do | do | do |
| Steel, Wm | 1 | 1874 | 1 | 5 | 1873 | 1 | Lachute | Miramichi | do | do | do | do | do |
| Stewart, Wm, Scott | | 1 | 2 | | | | New York | Canima | do | do | do | do | do |
| Stewart, James | | 2 | 2 | | | | Lévis | Margaret M. | do | do | do | do | do |
| Samson, Alexander | 3 | 1864 | 1 | 15 | | | Halifax, N.S. | Gollah | do | do | do | do | do |
| Salter, Wm. H. | | 1 | 3 | | | | do | Delta | do | do | do | do | do |
| Stevens, Douglas | 1 | 1877 | 1 | 2 | 1876 | 1 | P. E. Island | Frank | do | do | do | do | do |
| Sweet, James | | 2 | 2 | | | | Pictou, N.S. | Alpha | do | do | do | do | do |
| Sweeton, Wm | 1 | 1869 | 2 | 9 | | | Halifax, N.S. | M. A. Starr | do | do | do | do | do |
| Skinner, Wm | | 2 | 1 | | | | Victoria, B.C. | Wilson G. Hunt | do | do | do | do | do |
| Sweeney, C. Botsford | 1 | 1879 | 1 | | 1878 | 1 | Burrard Inlet | Union | do | do | do | do | do |
| Stalker, Hugh | | 1 | 1 | 3 | | | Victoria, B.C. | Olympia | do | do | do | do | do |
| Stephen, David | 2 | 1876 | 2 | 2 | | | Manitoba | Victoria | do | do | do | do | do |
| Smith, James Gray | | 1 | 3 | 3 | 1872 | 2 | Chatham | J. S. Noyes | do | do | do | do | do |
| Taylor, Henry | | 1 | 1 | 2 | 1873 | 2 | Windsor | Michigan | do | do | do | do | do |
| Thorp, George | | 1 | 2 | 4 | | | do | do | do | do | do | do | do |
| Taylor, William | 3 | 1873 | 3 | 4 | 1873 | 2 | Sarnia | Manitoba | do | do | do | do | do |
| Tonkin, John | 2 | 1871 | 2 | 7 | 1875 | 1 | do | do | do | do | do | do | do |
| Tilley, Edwin W. | | 2 | 2 | 1 | | | Ste. Etienne de Beaurhous | Francis Smith | do | do | do | do | do |
| Thereault, Francis, jr. | 1 | 1877 | 3 | | | | Bowmanville | Sam Lewis | do | do | do | do | do |
| Tate, David G. | | 1 | 1 | | | | Penetanguishene | Mary Lewis | do | do | do | do | do |
| Tate, James Wm. | | 2 | 1 | | | | Collingwood | Wm. Ross | do | do | do | do | do |
| Thorne, Wm. | | 1 | 2 | 3 | 1874 | 1 | | | | | | | |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals. | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. |
|------------------------------|--------------------|------------------------------|----------------------------------|------------------------------|---------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|---------|
| | | | | | | | | | | | | | \$ cts. |
| Trotter, Samuel..... | 3 | ..... | 1873 | 4 | 3 | ..... | ..... | ..... | Chatham..... | Oswego Belle..... | Board..... | 1879 | 1 00 |
| Taylor, David..... | ..... | 2 | 1878 | 2 | ..... | ..... | ..... | ..... | Port Colbourne..... | Hector..... | do..... | do | 5 00 |
| Thompson, Jos..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | do..... | Mocking Bird..... | do..... | do | 5 00 |
| Towasend, Wm..... | 3 | ..... | 1861 | 1 | 18 | ..... | ..... | ..... | Port Dalhousie..... | H. Neelon..... | do..... | do | 1 00 |
| Taylor, Jos. F..... | 1 | ..... | 1861 | 1 | 18 | ..... | ..... | ..... | St. Catharines..... | Scotia..... | do..... | do | 1 00 |
| Thompson, Wm..... | 3 | ..... | 1879 | 1 | ..... | 1877 | 2 | ..... | Yorkville..... | Dean..... | do..... | do | 5 00 |
| Thurston, Henry..... | 2 | ..... | 1870 | 5 | 5 | 1869 | 4 | ..... | Kingston..... | Africa..... | do..... | do | 1 00 |
| Turnbull, James..... | 2 | ..... | 1876 | 1 | 3 | ..... | ..... | ..... | Prescott..... | ..... | do..... | do | 1 00 |
| Trickey, Alex..... | ..... | 1 | 1875 | 3 | 2 | ..... | ..... | ..... | Cornwall..... | Lako Erie..... | do..... | do | 5 00 |
| Therriault, Francis..... | 2 | ..... | 1866 | 1 | 13 | ..... | ..... | ..... | Beauharnois..... | John A Macdonald | do..... | do | 1 00 |
| Tetereau, François..... | 3 | ..... | 1870 | 1 | 9 | ..... | ..... | ..... | Montreal..... | Mac..... | do..... | do | 1 00 |
| Trempe, Pierre..... | 3 | ..... | 1864 | 1 | 15 | ..... | ..... | ..... | Sorel..... | Fire Fly..... | do..... | do | 1 00 |
| Thibodeau, Alexis..... | 3 | ..... | 1870 | 3 | 7 | ..... | ..... | ..... | do..... | St. Lambert..... | do..... | do | 1 00 |
| Thompson, Andrew..... | 2 | ..... | 1873 | 4 | 3 | 1873 | 1 | ..... | do..... | Richelieu..... | do..... | do | 1 00 |
| Therriault, Simeon, jun..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Lévis..... | Saguenay..... | do..... | do | 5 00 |
| Therriault, Simeon, sen | 3 | ..... | 1860 | 1 | 19 | ..... | ..... | ..... | Lauzon..... | Montmagny..... | do..... | do | 1 00 |
| Thibault Pierre..... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | St. Croix..... | Contest..... | do..... | do | 5 00 |

| | 1 | 1875 | 3 | 3 | 3 | 2 | 2 | 1 | Lévis..... | Victory..... | do | 5 00 |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|---------------------|----------------------|--------------|-------|-------|
| <i>Tardie, Napoleon</i> | 3 | 1867 | 1 | 12 | ..... | ..... | ..... | ..... | do | North..... | do | 1 00 |
| <i>Tanguay, Isadore</i> | 3 | 1875 | 1 | 4 | ..... | ..... | ..... | St. John, N.B..... | Nil..... | do | do | 1 00 |
| <i>Thompson, A. F.</i> | 3 | 1872 | 3 | 5 | ..... | ..... | ..... | do | Norman..... | do | do | 5 00 |
| <i>Thorn, J. F.</i> | 3 | 1872 | 2 | 6 | ..... | ..... | ..... | P. E. Island..... | H. Belle..... | do | do | 1 00 |
| <i>Todoin, Daniel</i> | 3 | 1869 | 1 | 10 | ..... | ..... | ..... | do | St. Lawrence..... | do | do | 1 00 |
| <i>Turner, James</i> | 1 | 1870 | 1 | 9 | ..... | ..... | ..... | do | do | do | do | 1 00 |
| <i>Trail, Wm</i>..... | ..... | 1879 | 1 | ..... | ..... | ..... | ..... | Chatham, N.B..... | Nil..... | do | do | 5 00 |
| <i>Tait, Wm.</i>..... | ..... | 1866 | 1 | 13 | ..... | ..... | ..... | Sarnia..... | Huron..... | do | do | 1 00 |
| <i>Vreland, David</i> | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Kingston..... | Mande..... | do | do | 5 00 |
| <i>Vince, Samuel</i>..... | ..... | 1874 | 1 | 5 | 1873 | 2 | ..... | St. Thomas..... | W. R. Stanley..... | do | do | 1 00 |
| <i>Wright, D. L.</i>..... | ..... | 1875 | 3 | 2 | ..... | ..... | ..... | Florence, Ont..... | Chicora..... | do | do | 5 00 |
| <i>Webster, R. A.</i>..... | ..... | 1875 | 4 | 1 | 1877 | 1 | ..... | Dresden..... | Beaver..... | do | do | 1 00 |
| St <i>Wells, Joseph</i>..... | ..... | 1878 | 2 | ..... | ..... | ..... | ..... | do | do | do | do | 5 00 |
| <i>Windover, Manly</i>..... | ..... | 1870 | 3 | 7 | 1870 | 1 | ..... | Windsor..... | City of Dresden..... | do | do | 1 00 |
| <i>Wilson, J. H.</i> | 3 | 1865 | 2 | 13 | ..... | ..... | ..... | Gordon, Ont..... | Transfer..... | do | do | 1 00 |
| <i>Westaway, John</i> | 2 | 1875 | 2 | 3 | 1874 | 1 | ..... | Windsor..... | Coral..... | do | do | 1 00 |
| <i>Williams, Peter</i>..... | ..... | 1879 | 1 | ..... | ..... | ..... | ..... | Sarnia..... | Trudeau..... | do | do | 5 00 |
| <i>Whitty, D. T. H.</i>..... | ..... | 1879 | 1 | ..... | ..... | ..... | ..... | Toronto..... | Shickluna..... | do | do | 5 00 |
| <i>Winters, Geo. T.</i> | 3 | 1877 | 1 | 2 | 1874 | 2 | ..... | do | Eva..... | do | do | 1 00 |
| <i>Walton, Thos.</i>..... | ..... | 1879 | 1 | ..... | ..... | ..... | ..... | Sarnia..... | Ontario..... | do | do | 5 00 |
| <i>Welsh, Thos.</i>..... | ..... | 1867 | 3 | 10 | ..... | ..... | ..... | Port Colbourne..... | J. L. McEdward..... | do | do | 1 00 |
| <i>Wilcox, David</i>..... | ..... | 1869 | 3 | 8 | ..... | ..... | ..... | St. Catharines..... | Dromedary..... | do | do | 1 00 |
| <i>Wright, Emerson</i> | 2 | 1876 | 3 | 1 | ..... | ..... | ..... | Port Robinson..... | M. R. Mitchell..... | do | do | 1 00 |
| <i>Wilcox, George H</i>..... | ..... | 1865 | 1 | 14 | ..... | ..... | ..... | St. Catharines..... | Persia..... | do | do | 1 00 |
| <i>Walsh, Wm.</i> | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879.—Continued.

| Name of Engineer. | Class of Engineer. | Class of Assistant Engineer. | Date of First Board Examination. | Number of Board Examination. | Number of Renewals | Date of First Local Examination. | Number of Local Examination. | Date of Issue. | Place of Residence. | Name of Steamer last employ. | By whom Examined. | Date of Certificate. | Fee. \$ cts. |
|-----------------------|--------------------|------------------------------|----------------------------------|------------------------------|--------------------|----------------------------------|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------|--------------|
| Wilson, Henry Thos... | ..... | 2 | 1874 | 2 | 4 | ..... | ..... | ..... | St. Catharines..... | Lincoln..... | Board | 1879 | 1 00 |
| Wilson, James M. .... | ..... | 3 | 1879 | 1 | ..... | ..... | ..... | ..... | Owen Sound | Shop..... | do | do | 5 00 |
| Wilson, George E..... | ..... | 2 | 1877 | 1 | 2 | ..... | ..... | ..... | Rondeau..... | Colin Munro..... | do | do | 1 00 |
| Wheeler, Fred E..... | ..... | 1 | 1878 | 2 | ..... | 1877 | 2 | ..... | Whitby | Niagara | do | do | 5 00 |
| Williams, Samuel..... | 3 | ..... | 1876 | 3 | 1 | 1875 | 4 | ..... | Toronto..... | City of Montreal... | do | do | 5 00 |
| White, James L..... | ..... | 1 | 1877 | 2 | 1 | 1877 | 1 | ..... | Harwood..... | M. Sommerville..... | do | do | 1 00 |
| Walker, David..... | ..... | 1 | 1871 | 3 | 6 | ..... | ..... | ..... | Lindsay..... | Anglo-Saxon | do | do | 1 00 |
| Watt, James S..... | ..... | ..... | 1876 | 3 | 1 | ..... | ..... | ..... | Gananoque..... | Europe..... | do | do | 5 00 |
| Whitney, James ..... | ..... | 2 | 1879 | 1 | ..... | 1875 | 1 | ..... | Prescott | Florence | do | do | 5 00 |
| Wilmot, Wm..... | ..... | 2 | 1879 | 1 | ..... | ..... | ..... | ..... | Kingston..... | Shop..... | do | do | 5 00 |
| Welch, Warren..... | ..... | 2 | 1877 | 2 | 1 | ..... | ..... | ..... | Newborough..... | Geneva..... | do | do | 5 00 |
| Webster, Wm..... | 2 | ..... | 1867 | 2 | 11 | ..... | ..... | ..... | Montreal..... | Algerian..... | do | do | 1 00 |
| Wells, Wm. F..... | 1 | ..... | 1871 | 4 | 5 | 1870 | 2 | ..... | Halifax..... | Acadian..... | do | do | 1 00 |
| Wool, Joseph ..... | ..... | 1 | 1869 | 1 | 10 | ..... | ..... | ..... | Lévis..... | Lady Head..... | do | do | 1 00 |
| Warner, Arch..... | 1 | ..... | 1869 | 1 | 10 | ..... | ..... | ..... | Halifax..... | Newfield..... | do | do | 1 00 |
| Weir, Wm | 3 | ..... | 1876 | 2 | 2 | ..... | ..... | ..... | do | do | do | do | 7 00 |
| Walker, J. G. | 1 | ..... | 1875 | 1 | 4 | 1874 | 1 | ..... | do | Nil..... | do | do | 1 00 |

| | | | | | | | | | |
|------------------------|---|-------|---|-------|-------|--------------------|--------------------|----|------|
| Wilder, Willard..... | 2 | 1877 | 3 | 1876 | 2 | do | Shatnck..... | do | 5 00 |
| Waddle, Chas..... | 2 | 1879 | 1 | ..... | ..... | do | Robert Burns..... | do | 5 00 |
| Weir, Robert..... | 2 | 1879 | 1 | 1877 | 1 | do | Newfeld..... | do | 5 00 |
| Williams, H. C..... | 2 | 1876 | 3 | 1874 | 1 | Cow Bay, C.B..... | Ingraham..... | do | 5 00 |
| Webb, George..... | 2 | 1878 | 1 | 1875 | 1 | P. E. Island..... | Nil..... | do | 1 00 |
| Wilson, Thos..... | 1 | 1875 | 2 | 1874 | 1 | Halifax..... | H. Hoover..... | do | 5 00 |
| Wilson, Wm..... | 3 | 1872 | 1 | ..... | ..... | do | Ferry..... | do | 1 00 |
| Warring, Wm. L..... | 2 | 1879 | 1 | 1878 | 1 | St. John, N.B..... | Xanthus..... | do | 5 00 |
| Welsh, John..... | 1 | 1869 | 2 | ..... | ..... | do | Dot..... | do | 1 00 |
| Wilson, Alex, jun..... | 2 | ..... | 2 | ..... | ..... | do | Ferry..... | do | 1 00 |
| Wilcox, Solon..... | 2 | 1876 | 2 | 1876 | 1 | Burrard Inlet..... | Leondra..... | do | 1 00 |
| Young, Francis..... | 2 | 1873 | 2 | 1872 | 1 | Owen Sound..... | Francis Smith..... | do | 1 00 |
| York, Edward..... | 3 | 1871 | 1 | ..... | ..... | Brockville..... | Shop..... | do | 1 00 |

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where built, and where and how employed.

WEST ONTARIO, HURON AND SUPERIOR DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|-------------------------|--------------|--------------|---------------|----------------|---------------------|--------------------------------------|---|
| Northern Queen..... | 61-20 | Screw..... | Wood .. | 619-13 | 318-10 | Detroit, U. S., 1872 | Passenger and freight, Georgian Bay Ports |
| Resette | 6-36 | do | do .. | 20-28 | 16-80 | Collingwood, 1878 | Fishing tug, do do |
| City of Winnipeg | 72-06 | do | do .. | 1211-21 | 823-63 | Gibraltar, U.S., 1870 | Passenger and freight, Collingwood and Duluth |
| R. B. Hayes | 14-34 | do | do .. | 18-85 | 12-89 | Cleveland, U.S., 1877..... | Harbour tug Waubaushene |
| New Era | 15-96 | do | do .. | 19- | 14- | Buffalo, do 1872..... | do Port Rowan |
| Fanny | 1-26 | do | do .. | 4-75 | 3-23 | Owen Sound, 1878 | Fishing tug and passenger, Owen Sound..... |
| Beaubouage | 27-15 | Paddle | do .. | 129 | 104-70 | Boboyceon, 1878..... | Freight tug, Lindsay Lakes..... |
| Ben Milwood..... | 3-90 | Screw | do .. | 10-75 | 7-31 | Collingwood, 1878 | Tug, Collingwood and Nottawasaga..... |
| Three Friends..... | 19-17 | do | do .. | 97-35 | 82-71 | Prince Arthur's Landings, 1878 | Pleasure and coasting, Lake Superior. |
| Forest City..... | 30-96 | Paddle | do .. | 41-71 | 26-28 | London, Ontario, 1878 | do do River Thames, Ont..... |
| Juliette..... | 50-00 | Screw | do .. | 59-52 | 40-77 | Burlington Bay, 1878..... | do do Burlington Bay, do .. |
| Louis Shickluna..... | 19-17 | do | do .. | 15-77 | 10-72 | St. Catharines, 1878..... | Not employed, a canal tug..... |
| City of Belleville..... | 54-00 | do | do .. | 101-17 | 68-80 | do do | Excursion boat, Belleville, Ontario..... |
| Niagara ..... | ..... | do | do .. | 348-00 | 273-00 | do do | Freight, Collingwood and Chicago..... |
| Despatch..... | 9-63 | do | do .. | 32-94 | 22-40 | Buffalo, U.S., do | Tug, fishing at Cockburn Island..... |

W. J. MENEILLEY, Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1878; their Class and Horse-Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

EAST ONTARIO DIVISION:

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|--------------------|--------------|-----------------|---------------|----------------|---------------------|--------------------|--|
| Alert | 1-29 | Screw | Wood ... | 6 | | Cobourg..... | Passenger steamer, Rice Lake and Otonabee River. |
| Arlington | 5-17 | do | do ... | 33 | 26 | Harwood..... | do |
| Annie Gilbert..... | 1-59 | do | do ... | 24 | 23 | Trenton | Passenger Steamer, Bay of Quinté. |
| Cruiser..... | 4-59 | do | do ... | 31 | 24 | Lakefield..... | do |
| F. B. Maxwell..... | 43-57 | Side-wheel..... | do ... | 339 | 178 | Sorel..... | do |
| Victor..... | 1-02 | Screw | do ... | 2 | 1 | Brockville..... | do |
| Sarah Daly ..... | ..... | do | do ... | 25 | 17 | United States..... | do |
| Ruby..... | 9-12 | do | do ... | 72 | 44 | Brockville..... | Tug |
| | 66-35 | | | 532 | 314 | | Passenger do |
| | | | | | | | River St. Lawrence. |

JOS. TAYLOR,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1878; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

MONTREAL DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|----------------------------|--------------|-------------------|---------------|----------------|---------------------|---------------------|------------------------------------|
| St. Lambert..... | 52 | Centre-wheel..... | Wood .. | 172 | 109 | Montreal..... | Ferry, Montreal and St. Lambert. |
| Grain Elevator No. 12..... | 28 | Screw | do .. | 100 | ..... | do | Grain Elevating, Montreal Harbour. |
| Crusader..... | 4 | do | do .. | 3 | 2 | Ottawa..... | Passengers, Ottawa and Grenville. |
| Rhoda May | 9 | do | do .. | 17 | 12 | New York State..... | do Lake St. Francis. |
| Joe Mac | 36 | do | do .. | 43 | 29 | Buffalo | Towing, Montreal and Cornwall. |
| Julia..... | 4 | do | do .. | 9 | 6 | Ottawa..... | Passengers, above Buckingham. |
| Valleyfield | 9 | Side-wheel..... | do .. | 14 | 9 | Montreal | do Valleyfield and River Grace. |
| | 142 | | | 358 | 167 | | |

JOHN BURGESS,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

THREE RIVERS DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|----------------------|--------------|----------------------|----------------|----------------|---------------------|-----------------------|--|
| Hope | 43-57 | Side-wheel | Wood | 306 | 161 | Sorel | Tug, Ottawa and St. Lawrence River |
| Hero | 21-83 | do | do | 306 | 176 | do | Passenger, Chambly and Montreal. |
| Enterprise | 4-33 | do | do | 38 | 24 | Sherbrook | do Sherbrook and Lennoxville. |
| Arthur | 16-74 | do | do | 33 | 22 | St. Maurice | Tug, Three Rivers and St. Maurice River. |
| Total | 86-47 | | | 683 | 383 | | |

XAVIER BEFORT,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

QUEBEC DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|---------------------------|--------------|----------------------|---------------|----------------|---------------------|-------------------|-------------------------|
| Commodore Holliwell. | 3 | Screw Propeller..... | Wood. | 9 | 3 | Quebec, 1877..... | Quebec Harbour Tug. |
| H. C. Curtis... .. | 14 | do | do .. | 35 | 25 | do 1878. | do |
| Lady Forest..... .. | 4 | do | do .. | 6 | 4 | do | do |
| May Flower..... .. | 5-16 | do | do .. | 13 | 9 | do | do |
| Rambler..... .. | 32 | do | do .. | 59 | 20 | do | do |
| Total..... .. | 58-16 | | | 123 | 61 | | |

JOS. SAMSON
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1878; 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. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|-----------------|--------------|-----------------|---------------|----------------|---------------------|------------------------|-------------------------------|
| Sarah H | 25 | Passenger | Wood .. | 81 | 81 | Fredericton, N.B. | Ferry boat, Fredericton, N.B. |
| Derby | 30 | Tug | do .. | 11 | 8 | Newcastle, N.B. | Tug boat, Miramichi, N.B. |
| Grip | 4 | Passenger | do .. | 3 | 2 | Ontario | Steam yacht do |
| Total | 59 | | | 95 | 91 | | |

WM. M. SMITH,
Steamboat Inspector, Maritime Provinces Division.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

BRITISH COLUMBIA DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|-----------------------|--------------|------------------|---------------|----------------|---------------------|---------------------|--|
| Brunette..... | 2.5 | Screw..... | Wood ... | 3.11 | 1.85 | San Francisco | Freight boat, Fraser River. |
| Hyak | 1.7 | Side-wheel..... | do ... | 33.58 | 31.39 | Seattle..... | do Nanaimo. |
| Iris | 4.0 | Screw | do ... | 19.32 | 13.48 | Victoria, B. C..... | do Skeena River. |
| George..... | 11.6 | do | do ... | 36.04 | 21.01 | Puget Sound..... | do Fraser River. |
| Lady of the Lake..... | 4.5 | do | do ... | 11.92 | 4.72 | Deas Lake..... | Ferry boat, Deas Lake, Cassiar. |
| Nellie Taylor | 1.0 | do | do ... | 5.88 | 4.05 | San Francisco | do New Westminster. |
| Olympia..... | 99.0 | Side-wheel | do ... | 970.77 | 624.00 | New York..... | Passenger and freight, Victoria to New minster. |
| Spalluncheon..... | 4.0 | do | do ... | 54.29 | 50.54 | Kamloops | do Kamloops Lake. |
| Woodside..... | 9.0 | Screw..... | do ... | 50.27 | 32.87 | Sooke..... | do Victoria to Sooke. |
| Wilson G. Hunt..... | 55.0 | Side-wheel... .. | do ... | 467.96 | 350.36 | New York..... | do do to New West- minster. |
| Totals..... | 192.3 | | | 1,653.14 | 1,134.27 | | |

THOMAS WESTGARTH,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross or Registered Tonnage; where Built, and where and how Employed.

MANITOBA DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where built. | Where and how Employed. |
|---------------------|--------------|-------------------|---------------|----------------|---------------------|-----------------------------|---|
| Lady Ellen. | 4-69 | Screw | Wood.... | 18-57 | 12-63 | Toronto, Canada..... | Freight, Red River and Lake Winnipeg to Grand Rapids. |
| Alpha..... | 12-36 | Stein-wheel | do ... | 180-53 | 113-93 | Breckenridge, U.S..... | Passengers and Freight, Red and Assiniboine Rivers. |
| Cheyenne..... | 13-26 | Side-wheel... .. | do ... | 135-86 | 85-60 | Grand Falls, U.S..... | Passengers and freight, Red and Assiniboine Rivers. |
| Adelaide..... | 6-18 | do | do ... | 84-13 | 76-85 | do | Ferry, City of Winnipeg and St. Boniface. |
| Victoria..... | 3-57 | Screw | do ... | 22-69 | 15-23 | St. Catharines, Canada..... | Tug do to Beren's River. |
| W. M. Robinson..... | 12-72 | Twin-screw... .. | do ... | 110-00 | 74-80 | Morehead, U.S | do do to Winnipeg River. |
| Totals..... | 52-78 | | | 551-78 | 379-04 | | |

EDWARD R. ABELL,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, during the Year ended 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

WEST ONTARIO, HURON AND SUPERIOR DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|------------------------|--------------|--------------|---------------|----------------|---------------------|----------------------------|--|
| O'Rourke | 17-97 | Screw | Wood .. | 76-91 | 52-30 | Owen Sound, 1868..... | Passenger and freight, Owen Sound and Colpoys Bay. |
| Collingwood | 18-60 | do | do .. | 44-00 | 30-00 | St. Catharines, 1874. | Tug, Georgian Bay |
| Silver Spray | 46-97 | Paddle | do .. | 173-00 | 142-00 | Port Dalhousie, 1860 | Passenger and freight, Georgian Bay Ports. |
| Modoc | 42-93 | Screw | do .. | 26-00 | ..... | Toledo, U.S..... | Lumber tug, Collins' Inlet, Georgian Bay. |
| Alexander Jones..... | 6-38 | do | do .. | 22-00 | 11-00 | Amherstburg, 1866..... | Tug, Sydenham and Detroit Rivers. |
| J. Holt..... | 9-84 | do | do .. | 70-12 | 45-18 | Oshkosh, U.S., 1866. | Passenger and freight, Dresden and Sarnia. |
| Mary R. Robertson..... | 37-18 | do | do .. | 378-00 | 257-00 | Chatham, 1873..... | Freight, Collingwood and Chicago. |
| Joe Knight..... | 6-00 | do | do .. | 14-00 | 11-00 | Buffalo, U S., 1867..... | Tug, dredge tender. |
| Novelty | 19-74 | Paddle | do .. | 75-00 | 65-00 | Ball Lake, 1861..... | do Lindsay Lakes. |
| Argyle of Dundas | 19-36 | do | do .. | 121-00 | 82-00 | Hamilton, 1865. | Passenger and fishing boat, Long Point Bay. |
| Watchman | 6-39 | Screw | do .. | 13-00 | 13-00 | Not known | do ferry, Thunder Bay, Lake Superior. |
| Jacques Cartier. | 10-00 | do | do .. | 73-70 | 66-20 | Detroit, U.S., 1870 | Freight, Kincardine and Pike Bay. |
| Mysic | 32-10 | do | do .. | 51-00 | 37-00 | Buffalo, U.S., 1865..... | Tug, Detroit River. |
| Lake Breeze | 29-04 | do | do .. | 192-00 | 171-00 | Toledo, U.S., 1868..... | Passenger and freight, Windsor & Leamington. |
| Totals..... | 302-56 | | | 1,329-73 | 932-68 | | |

W. J. MENEILLY, Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up as unfit for service, in the Dominion, during the Year ended 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage, where Built, and where and how Employed.

EAST ONTARIO DIVISION.

| Name of Vessel. | Horse power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|--------------------|--------------|------------------|---------------|----------------|---------------------|---------------------------|--|
| Eva | 1-59 | Screw | Wood | 12 | 7 | Brockville | Passenger Steamer, Bay of Quinte. |
| East | 52-94 | do | do | 348 | 219 | Montreal | Freight do River St. Lawrence and Upper Lakes. |
| Morning Star | 2-37 | do | do | 4 | 4 | Port Covington, U.S. | Passenger Steamer, Charleston Lake. |
| New York | 31-11 | Side-wheel | do | 129 | 81 | Ogdensburg, U.S. | do do Bay of Quinte. |
| Total | 88-01 | ..... | ..... | 493 | 311 | | |

JOS. TAYLOR,
Steamboat Inspector, East Ontario 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 31st Dember, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage, where Built, and where and how Employed.

MONTREAL DIVISION.

| Name of Vessel. | Horse power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|-----------------|--------------|-----------------|---------------|----------------|---------------------|---------------|-------------------------------|
| Lincoln..... | 48 | Side-wheel..... | Wood .. | 82 | 43 | Sorel..... | Ottawa and Grenville, towing. |
| M. K. D. | 21 | do | do .. | 206 | 112 | Montreal..... | do do do |
| Canin | 63 | Screw..... | do .. | 74 | 50 | do | do Quebec, do |
| Total..... | 132 | ..... | ..... | 362 | 205 | | |

JOHN BURGESS,
Steamboat Inspector, Montreal 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 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

THREE RIVERS DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|-----------------|--------------|-----------------|---------------|----------------|---------------------|---------------|--|
| Hope | 43.57 | Side-wheel..... | Wood.... | 126 | 40 | Montreal..... | Tug, Montreal and Chambly. |
| Arthur..... | 16.74 | do | do ... | 15 | 7 | Yamaska.. | Tug, Three Rivers and St. Maurice River. |
| Total..... | 60.31 | ..... | ..... | 141 | 47 | | |

XAVIER BEFORT,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, during the Year ended 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; and their Gross and Registered Tonnage; where Built, and where and how Employed.

QUEBEC DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how employed. |
|-------------------|--------------|----------------------|---------------|----------------|---------------------|----------------------------|---|
| Quebec..... | 34-80 | Side-wheel..... | Wood..... | 92 | 58 | Quebec, 1862..... | Broken up and engines taken out of her. |
| L. Tourville..... | 32 00 | Screw propeller..... | do ... | 72 | 34 | Whitehall, U.S., 1864..... | Broken up and rebuilt. |
| St. Croix..... | 20-95 | Side-wheel..... | do ... | 236 | 126 | St. Croix, P.Q., 1875..... | Burned at her wharf in Ste. Croix Bay, at low water, high and dry. |
| Bécancour..... | 12-00 | do | do ... | 184 | 116 | Bécancour, P.Q., 1857..... | Sunk by collision and storm whilst at her wharf in Quebec Champlain Market. |
| Total | 99-75 | ..... | ..... | 574 | 334 | | |

JOSEPH 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, 1878; 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. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|--------------------------|--------------|-----------------|---------------|----------------|---------------------|-----------------------|--|
| Utopia..... | 40 | Passenger | Wood .. | 17 | 17 | United States..... | Burnt at St. George, N.B., Aug., 1878. |
| City of Fredericton..... | 100 | do | do .. | 252 | 196 | Fredericton, N.B..... | Sold to persons in the United States. |
| G. A. Good..... | 40 | do | do .. | 74 | 69 | Matland, N.S..... | Broken up, Jan. 7, 1878. |
| Wm. T. Mason | 25 | Tug | do .. | 15 | 15 | United States..... | Sold to persons in Newfoundland. |
| Steam Crane Scow..... | 15 | do | do .. | 21 | 16 | Halifax, N.S..... | Propeller taken out in 1877. |
| Derby..... | 2 | Passenger | do .. | 7 | 5 | Newcastle, N.B..... | Sold to persons out of the Dominion. |
| Forty Second. | 25 | do | do .. | 49 | 49 | Fredericton, N.B..... | Broken up, Dec., 1877. |
| Total, 7 steamers..... | 247 | ..... | ..... | 435 | 367 | | |

WM. M. SMITH,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, during the Year ended 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where built, and where and how Employed.

BRITISH COLUMBIA DIVISION.

| Name of Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|-----------------|--------------|------------------|---------------|----------------|---------------------|--------------------|---|
| Kamloops | 4-00 | Side-wheel | Wood .. | 21-08 | 11-79 | Kamloops | Freight boat, Kamloops Lake |
| Marten..... | 40-25 | Stern-wheel..... | do .. | 375-59 | 282-51 | do | Passenger and freight, Kamloops Lake..... |
| Union | 4-05 | Side-wheel | do .. | 39-04 | 25-98 | Burrard Inlet..... | Tug boat, Burrard Inlet..... |
| Total | 48-75 | ..... | ..... | 435-71 | 320-19 | ..... | ..... |

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 31st December, 1878; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where built, and how Employed.

MANITOBA DIVISION.

| a o Vessel. | Horse Power. | Class. | Wood or Iron. | Gross Tonnage. | Registered Tonnage. | Where Built. | Where and how Employed. |
|------------------------|--------------|-------------------|---------------|----------------|---------------------|-----------------------|--|
| City of Winnipeg | 5 85 | Centre-wheel..... | Wood .. | 15 | 10 | City of Winnipeg..... | Ferry, from City of Winnipeg to St. Boniface |
| Total | 5 85 | ..... | ..... | 15 | 10 | | |

EDWARD R. ABELL,
Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1878.

WEST ONTARIO, HURON AND SUPERIOR DIVISIONS.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|----------------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Hiawatha..... | Sarnia..... | Mathewson..... | April 3 | 162 | 110 | 6 48 | 8 | March 20 | 14 48 | Screw, Sarnia and Dresden. |
| J. C. Clark..... | do..... | do..... | do 3 | 145 | 98 | 5 80 | 8 | do 11 | 13 80 | do do Wallaceburg. |
| Ontario..... | do..... | do..... | do 3 | 1,104 | 751 | 53 52 | 8 | April 3 | 61 52 | do do Lake Superior. |
| City of Dresden..... | Windsor..... | Benson..... | do 13 | 193 | 124 | 7 76 | 8 | do 9 | 15 76 | do Dresden and Detroit. |
| Quebec..... | Sarnia..... | Mathewson..... | do 3 | 1,403 | 955 | 56 16 | 8 | do 3 | 64 16 | do Sarnia and Lake Superior. |
| Celtic..... | Hamilton..... | Kitson..... | do 23 | 698 | 440 | 27 92 | 8 | do 23 | 35 92 | do propeller, Montreal and Chicago. |
| Ada E. Allen..... | Walkerville..... | Benson..... | do 16 | 135 | 70 | 5 40 | 5 | do 13 | 10 40 | Screw, freight barge, Detroit River. |
| Argyle..... | Windsor..... | do..... | do 17 | 626 | 397 | 25 04 | 8 | May 4 | 33 04 | do freight propeller, Montreal and Chicago. |
| D. R. Vanallen..... | Chatham..... | Pennefather..... | do 18 | 318 | 216 | 12 72 | 5 | April 18 | 17 72 | Screw, freight barge, Montreal and Chicago. |
| Alexander..... | do..... | do..... | do 18 | 85 | 58 | 3 41 | 5 | do 18 | 8 41 | Screw, freight barge, Chatham and Detroit. |
| Lincoln..... | Amherstburg..... | Anderson..... | do 19 | 347 | 247 | 13 87 | 5 | do 19 | 18 87 | Screw, freight barge, Montreal and Chicago. |
| California..... | Hamilton..... | Kitson..... | do 23 | 667 | 413 | 26 70 | 8 | do 17 | 34 70 | Screw, freight propeller, Montreal and Chicago. |
| Columbia..... | do..... | do..... | do 23 | 630 | 409 | 25 19 | 8 | do 23 | 33 19 | do do |
| Celestia..... | do..... | do..... | do 23 | 735 | 469 | 29 00 | 8 | do 18 | 37 00 | do do |

STEAM VESSELS inspected for the Year ended 31st December, 1878—West Ontario, &c. Division—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|--------------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Huron..... | Sarnia..... | Mathewson..... | June 5 | 1873 | 1137 | 42 08 | 8 | June 12 | 50 08 | Screw, G. T. R. car ferry, Point Edward. |
| Sea Gull..... | do | do | do 5 | 51 | 43 | 2 04 | 5 | do 28 | 7 04 | Screw, ferry, Point Edward. |
| Vanderbilt..... | do | do | do 6 | 170 | 114 | 6 76 | 5 | April 12 | 11 76 | do lake lumber barge. |
| Wales..... | Collingwood..... | Watson..... | do 13 | 253 | 172 | 10 12 | 5 | June 1 | 15 12 | do lake tug, lumber barge. |
| Starling..... | Niagara | Kirby..... | do 14 | 9 | 6 | 0 84 | 5 | do 17 | 5 84 | do steam yacht, Niagara. |
| Great Western..... | Windsor..... | Benson..... | do 14 | 1209 | 745 | 48 40 | 8 | do 10 | 56 40 | Side-wheel, G. W. R. car boat, Windsor. |
| Michigan..... | do | do | do 14 | 1463 | 922 | 58 56 | 8 | do 10 | 66 56 | do do do |
| Transit..... | do | do | do 14 | 1057 | 719 | 42 32 | 8 | do 10 | 50 32 | Screw do do |
| Thames..... | do | do | do 18 | 52 | 35 | 2 08 | 5 | do 18 | 7 08 | do freight barge, Detroit River. |
| Hope..... | do | do | do 18 | 180 | 113 | 7 20 | 8 | do 18 | 15 20 | Side-wheel, ferry, Windsor and Detroit. |
| Bob Hackett..... | do | do | July 18 | 134 | 79 | 5 37 | 5 | July 18 | 10 37 | Screw, tug, Detroit River. |
| Essex..... | do | do | June 19 | 141 | 90 | 5 68 | 8 | do 6 | 13 68 | Paddle, ferry, Windsor and Detroit. |
| Transfer..... | do | do | do 12 | 1,542 | 971 | 61 67 | 8 | do 20 | 69 67 | do Car Ferry Boat, Morgan and Stoney Point. |
| Prussia..... | St. Catharines..... | Clark..... | do 22 | 710 | 458 | 28 40 | 8 | June 22 | 36 40 | Screw, propeller, Montreal and Chicago. |
| Coral..... | Windsor..... | Benson..... | July 19 | 118 | 81 | 4 76 | 5 | Aug. 1 | 9 76 | Screw, freight barge, Detroit River. |

| | do | do | do | do | do | 19 | 278 | 191 | 11 66 | 5 | 9 | 16 66 |
|-------------------------|------------------------|------------------|---------|-------|-----|---------------|------------|-------|---|---|---|-------|
| Prince Alfred..... | do | do | do | do | do | 19 | 278 | 191 | 11 66 | 5 | 9 | 16 66 |
| City of Belleville..... | St. Catharines..... | Clark..... | June 28 | 101 | 69 | 4 04 | 8 June 26 | 12 04 | Screw, relief, wrecking tug, Lake and River. | | | |
| Louis Shickluna..... | do | do | do 26 | 15 | 11 | 0 64 | 5 do 26 | 5 64 | Screw, excursion boat, Belleville. | | | |
| Kate Marks..... | Sault Ste. Marie,.... | Wilson..... | July 31 | 54 | 43 | 3 78 | 5 July 13 | 8 78 | Screw, canal tug. | | | |
| A. Neff..... | Prince A. Landing | Nicholson..... | Aug. 5 | 129 | 74 | 5 16 | 8 Aug. 5 | 13 16 | Screw, fishing and freight boat, Bruce Mines. | | | |
| Three Frierds..... | do | do | do 5 | 97 | 83 | 3 91 | 5 do 5 | 8 91 | Screw, passenger and freight, Prince Arthur's Landing, L.S. | | | |
| M. J. Mills..... | do | do | do 5 | 15 | 15 | Not returned. | | | do do do | | | |
| Lizzie..... | do | do | do 5 | 24 | 19 | 0 96 | 5 Aug. 3 | 5 96 | Screw, dredge tug, Lake Superior. | | | |
| Hattie Vinton..... | Silver Islet, L.S..... | Livingstone..... | do 5 | 55 | 46 | 2 21 | 5 do 1 | 7 21 | Screw, Silver Islet Co., do | | | |
| Silver Spray..... | do | do | do 5 | 130 | 99 | 5 22 | 5 do 31 | 10 22 | do do do | | | |
| City of London..... | London, Ont..... | Reid..... | Sept. 3 | 3 | 2 | 0 11 | 5 Sept. 11 | 5 11 | Paddle, excursion boat, London, O. | | | |
| Forest City..... | do | do | do 3 | 42 | 26 | 1 67 | 5 do 11 | 6 67 | do do do | | | |
| Saginaw..... | Sarnia..... | Mathewson..... | do 4 | 356 | 154 | 14 28 | 8 June 22 | 22 28 | Screw, car ferry boat, Sarnia and Port Huron. | | | |
| City of Owen Sound..... | Owen Sound..... | Stephens..... | April 2 | 1,093 | 743 | 48 72 | 8 April 5 | 51 72 | Screw, passenger, Collingwood and Duluth. | | | |
| Francis Smith..... | do | do | do 2 | 1,324 | 834 | 52 96 | 8 May 1 | 60 96 | Paddle, do do | | | |
| O'Kour..... | do | do | do 3 | 76 | 52 | 3 08 | 5 April 3 | 8 08 | Screw, passenger, Owen Sound and Colpoys Bay. | | | |
| Northern Belle..... | Collingwood..... | Watson..... | do 4 | 513 | 349 | 20 52 | 8 do 1 | 28 52 | Screw, passenger and freight, Georgian Bay Ports. | | | |
| Magdalena..... | do | do | do 4 | 18 | 12 | 0 72 | 5 do 4 | 5 72 | Screw, fishing tug, Georgian Bay Ports. | | | |
| Fred. Hotchkiss..... | do | do | do 4 | 16 | 11 | 0 64 | 5 do 4 | 5 64 | do do do | | | |
| Northern Queen..... | do | do | do 4 | 619 | 318 | 24 76 | 8 May 10 | 32 76 | do passenger & freight do | | | |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.—West Ontario, &c., Division.—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | | Inspection Fees. | Date of Payment. | Totals. | | Remarks. |
|-------------------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------|------------------|------------------|---------|------|---|
| | | | | | | \$ | cts. | | | \$ | cts. | |
| Armenia | Toronto | Smith | April 6 | 612 | 403 | 24 | 52 | 8 | April 20 | 32 | 52 | Screw, passenger & freight, Toronto and Ogdensburg. |
| Collingwood | Collingwood | Watson | do 10 | 44 | 30 | 1 | 76 | 5 | do 10 | 6 | 76 | Screw, tug, Georgian Bay. |
| P. E. McKerral | do | do | do 11 | 136 | 92 | 5 | 44 | 5 | do 5 | 10 | 44 | do freight do |
| Waubuno | do | do | do 11 | 465 | 293 | 18 | 60 | 8 | do 11 | 26 | 60 | Paddle, passenger and freight, Georgian Bay Ports. |
| Rescue | do | do | do 11 | 20 | 17 | 0 | 80 | 5 | do 12 | 5 | 80 | Screw, fishing tug, Georgian Bay Ports. |
| Southern Belle | Toronto | Smith | do 15 | 427 | 265 | 17 | 12 | 8 | do 18 | 25 | 12 | Paddle, passenger, Lake Ontario. |
| City of Toronto | Niagara | do | do 15 | 898 | 513 | 35 | 92 | 8 | do 25 | 43 | 92 | do do Toronto, Niagara and Lewiston. |
| St. Jean Baptiste | Toronto | do | do 17 | 208 | 73 | 8 | 32 | 8 | June 21 | 16 | 32 | Paddle, passenger, ferry, Toronto and the Island. |
| Princess of Wales | do | do | do 17 | 113 | 65 | 4 | 56 | 8 | April 20 | 12 | 56 | do do do |
| City of Winnipeg | Collingwood | Watson | do 19 | 1211 | 823 | 48 | 44 | 8 | do 20 | 56 | 44 | Screw, passenger and freight, Collingwood and Duluth. |
| Sandford Davis | do | do | do 19 | 30 | 20 | 1 | 20 | 5 | do 26 | 6 | 20 | Screw, harbour tug, Collingwood Harbour. |
| Scotia | Port Maitland | Collier | do 20 | 623 | 389 | 24 | 96 | 8 | do 18 | 32 | 96 | Screw, passenger and freight, Montreal and Chicago. |
| Clinton | do | do | do 20 | 361 | 284 | 14 | 44 | 5 | do 18 | 19 | 44 | do do do |
| W. J. Akappa | Dunnville | Brownson | do 22 | 42 | 25 | 1 | 68 | 5 | do 20 | 6 | 68 | Screw, tug, Welland Canal. |

| Cuba..... | Toronto | Smith | do 24 | 576 | 357 | 23 08 | 8 | do | 27 | 31 08 | do passenger and freight, Toronto and Ogdensburg. |
|-------------------------|--------------------|-----------------|-------|-----|-----|-------|---|-------|----|-------|--|
| L. Shickluna..... | do | do | do 27 | 628 | 393 | 25 04 | 8 | May | 4 | 33 04 | Screw, freight, Montreal & Chicago |
| Carriella..... | Orillia..... | do | do 29 | 35 | 24 | 1 16 | 5 | June | 4 | 6 16 | do passenger and freight, Lake Couchiching. |
| Prince Alfred..... | Waubausheene..... | do | do 29 | 30 | 21 | 1 24 | 5 | April | 25 | 6 24 | Screw, harbour tug, Waubausheene |
| Maganettewan | do | Watson..... | do 29 | 269 | 183 | 10 76 | 8 | May | 10 | 18 76 | do passenger and freight, Waubausheene and Byng Inlet. |
| Minnie Hale..... | do | Routledge | do 30 | 47 | 28 | 3 29 | 5 | April | 29 | 8 29 | Screw, tug, Georgian Bay. |
| R. B. Hayes..... | do | Smith | do 30 | 19 | 13 | 0 76 | 5 | do | 4 | 5 76 | Screw, harbour tug, Waubausheene. |
| Susan C. Doty..... | do | Watson..... | do 30 | 26 | 17 | 1 04 | 5 | do | 29 | 6 04 | Screw, fishing tug, Georgian Bay. |
| Mystic | do | Mathewson | do 30 | 26 | 13 | 1 08 | 5 | March | 11 | 6 08 | Screw, passenger, Waubausheene and Pentanguishene. |
| Georgiana | do | Routledge..... | do 30 | 165 | 104 | 6 16 | 5 | April | 29 | 11 16 | do do do |
| Maid of Midland..... | do | do | May | 15 | 10 | 0 60 | 5 | Aug. | 26 | 5 60 | Screw, tug, Matchedash Bay. |
| Jane Armstrong..... | Port Colborne..... | McFarland..... | do 2 | 44 | 23 | 1 80 | 5 | May | 22 | 6 80 | Screw, tug, Welland Canal. |
| Mocking Bird..... | do | do | do 2 | 45 | 35 | 1 80 | 5 | do | 2 | 6 80 | do do do |
| Sylvester Kneeland..... | do | do | do 2 | 46 | 28 | 1 84 | 5 | do | 3 | 6 84 | do do do |
| Wm. A. Routh..... | do | do | do 3 | 51 | 31 | 2 08 | 5 | June | 22 | 7 08 | Screw, tug, Port Colborne and Lake Erie. |
| Salty Jack | do | do | do 3 | 44 | 28 | 1 80 | 5 | May | 3 | 6 80 | do do do |
| Clara M. Carter..... | do | do | do 3 | 29 | 23 | 1 16 | 5 | do | 3 | 6 16 | Screw, tug, Welland Canal. |
| Mary A. Laughlin..... | do | do | do 3 | 22 | 12 | 0 92 | 5 | do | 3 | 5 92 | do do do |
| Kitty Haight..... | do | do | do 3 | 60 | 28 | 2 40 | 5 | do | 3 | 7 40 | do do do |
| Maggie | do | do | do 3 | 37 | 26 | 1 48 | 5 | do | 3 | 6 48 | do do do |
| Hector | do | do | do 3 | 43 | 29 | 1 72 | 5 | June | 22 | 6 72 | Screw, tug, Port Colborne Harbour. |
| Mary | do | do | do 3 | 66 | 22 | 2 64 | 5 | May | 3 | 7 64 | Screw, tug, Welland Canal. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878—West Ontario, &c., Division—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|---------------------------|----------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|--|
| | | | | | | \$ cts. | | | \$ cts. | |
| T. H. Naamith | Welland | McFarland | May 3 | 49 | 36 | 1 96 | 5 | May 4 | 6 96 | Screw, tug, St. Lawrence River. |
| Dufferin | do | Collier | do 3 | 20 | 14 | 0 80 | 5 | April 20 | 5 80 | Screw, tug, Welland River. |
| T. N. Seacord | Port Robinson | McFarland | do 4 | 18 | 14 | 0 56 | 5 | May 4 | 5 56 | Screw, tug, Welland Canal. |
| Maggie R. Mitchell | do | do | do 4 | 24 | 19 | 0 96 | 5 | do 7 | 5 96 | do do |
| Maggie R. King | do | do | do 4 | 25 | 21 | 1 00 | 5 | do 7 | 6 00 | do do |
| Five Brothers | do | do | do 4 | 10 | 7 | 0 40 | 5 | do 7 | 5 40 | do do |
| Wm. Ross | do | do | do 4 | 14 | 11 | 0 56 | 5 | do 7 | 5 56 | do do |
| Alma Munro | do | do | do 6 | 688 | 439 | 27 56 | 8 | do 3 | 35 56 | Screw, passenger and freight, Montreal and Chicago. |
| S. R. Norcross | do | do | do 6 | 22 | 11 | 1 08 | 5 | do 10 | 6 08 | Screw, tug, Welland Canal. |
| C. F. Wadsworth | Thorold | Collier | do 6 | 16 | 9 | 0 64 | 5 | July 3 | 5 64 | do do |
| C. J. G. Munro | do | do | do 6 | 42 | 31 | 1 72 | 5 | do 3 | 6 72 | do do |
| Jessie L. McEdwards | St. Catharines | do | do 7 | 22 | 20 | 0 88 | 5 | Oct. 1 | 5 88 | Screw, passenger do |
| R. B. McPherson | do | do | do 7 | 29 | 26 | 1 16 | 5 | May 4 | 6 16 | Screw, tug do |
| Canada | do | do | do 7 | 644 | 408 | 25 76 | 8 | do 2 | 33 76 | Screw, passenger and freight, Montreal and Chicago. |
| Europe | do | do | do 8 | 628 | 395 | 25 12 | 8 | do 8 | 33 12 | do do |
| Dominion | do | do | do 8 | 600 | 376 | 24 04 | 8 | do 8 | 32 04 | do do |
| Ocean | do | do | do 8 | 641 | 412 | 25 64 | 8 | do 8 | 33 64 | do do |

| Charters | Toronto | Smith | do | 8 | 930 | 539 | 37 24 | 8 | do | 21 | 45 24 | Paddle, passenger, Toronto, Niagara and Lewiston. |
|-------------------|----------------|-------------|----|--------|-----|-----|-------|---|----------|----|-------|---|
| Rothsay | do | do | do | 9 | 839 | 529 | 33 56 | 8 | do | 17 | 41 56 | do |
| Albion | Port Dalhousie | Collier | do | 13 | 297 | 250 | 11 88 | 5 | do | 13 | 16 88 | Screw, freight and tug, Port Dalhousie and Quebec. |
| Prowett Beyer | do | do | do | 13 | 10 | 6 | 0 40 | 5 | June 11 | 5 | 40 | Screw, passenger, Welland Canal. |
| Sam. Perry | do | do | do | 14 | 42 | 32 | 1 68 | 5 | April 23 | 6 | 68 | Screw, tug do |
| James Norris | do | do | do | 14 | 47 | 41 | 1 88 | 5 | do 23 | 6 | 88 | do do |
| City of Montreal | Toronto | Smith | do | 14 | 632 | 410 | 26 08 | 8 | Aug. 6 | 34 | 08 | Screw, passenger and freight, Lake Ontario. |
| Watertown | do | do | do | 14 | 267 | 168 | 10 68 | 8 | May 20 | 18 | 68 | Paddle, passenger ferry, Toronto and Humber. |
| Lothair | Collingwood | Watson | do | 16 | 413 | 281 | 16 52 | 5 | do 4 | 21 | 52 | Screw, tug and freight, Collingwood and Chicago. |
| Mary R. Robertson | do | do | do | 16 | 378 | 257 | 15 12 | 5 | do 16 | 20 | 12 | do do |
| Oswego Belle | Toronto | Smith | do | 21 | 463 | 379 | 18 52 | 8 | do 21 | 26 | 52 | Screw, passenger and freight, Toronto and Oswego. |
| Lake Michigan | Hamilton | Kittson | do | 22 | 693 | 440 | 27 72 | 8 | do 22 | 35 | 72 | Screw, passenger and freight, Montreal and Chicago. |
| New Era | Port Rowan | Mabee | do | 28 | 19 | 14 | 0 76 | 5 | Sept. 14 | 5 | 76 | Screw, tug, Long Point Bay. |
| Colin Munro | Port Stanly | Finlay | do | 29 | 28 | 14 | 1 12 | 5 | May 28 | 6 | 12 | do and passenger, Port Stanley and Lake Shore. |
| J. W. Steinhoff | Chatham | Pennefather | do | 30 | 312 | 208 | 12 48 | 8 | June 13 | 20 | 48 | Screw, passenger, Chatham and Detroit. |
| J. S. Noyes | do | do | do | 30 | 34 | 22 | 1 36 | 5 | April 30 | 6 | 36 | Screw, tug, River Thames and Lake St Clair. |
| Manitoba | Wallaceburg | Fraser | do | June 1 | 100 | 68 | 4 00 | 5 | June 1 | 9 | 00 | Screw, tug and freight, St. Clair and Detroit Rivers. |
| W. S. Ireland | do | do | do | 3 | 105 | 71 | 4 20 | 5 | do 1 | 9 | 20 | do do do |
| E. Windsor | do | do | do | 3 | 68 | 37 | 2 72 | 5 | do 1 | 7 | 72 | do do do |

STEAM VESSELS Inspected for the Year ended 31st December, 1878—West Ontario, &c., Division—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage | Registered Tonnage. | Tonnage Dues. | | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|--------------------------|---------------------|--------------------|---------------------|---------------|---------------------|---------------|------|------------------|------------------|---|----------|
| | | | | | | \$ | cts. | | | | |
| Ontario | Wallaceburg..... | Fraser,..... | June 3 | 35 | 24 | \$ 1 40 | 5 | June 1 | 6 40 | Screw, tug and freight, St. Clair and Detroit Rivers. | |
| Beaver of Amherstburgh. | do | do | do 3 | 54 | 37 | 2 20 | 5 | do 3 | 7 20 | do do | |
| Hy. Sewell..... | do | do | do 3 | 24 | 17 | 1 00 | 5 | do 1 | 6 00 | do do | |
| Jerome | do | do | do 3 | 60 | 41 | 2 40 | 5 | do 3 | 7 40 | do do | |
| River King..... | do | do | do 3 | 54 | 38 | 2 12 | 5 | do 3 | 7 12 | Paddle, freight, Wallaceburg and Marine City. | |
| J. B. Newman | do | do | do 3 | 26 | 16 | 1 04 | 5 | do 25 | 6 04 | Screw, freight, River Sydenham. | |
| Beaver of Wallaceburg... | do | do | do 3 | 62 | 42 | 2 48 | 5 | do 3 | 7 48 | do tug, Dresden and Detroit. | |
| Comet..... | do | Pennefather | do 3 | 22 | 15 | 0 88 | 5 | do 29 | 5 88 | do do Detroit and St. Clair Rivers. | |
| Messenger..... | do | Fraser..... | do 3 | 14 | 12 | 0 60 | 5 | do 1 | 5 00 | Screw, tug, Wallaceburg and Marine City. | |
| Victoria | do | do | do 4 | 88 | 70 | 3 52 | 5 | do 3 | 8 52 | Screw, tug and freight, Detroit and St. Clair Rivers. | |
| Jessie | Windsor..... | Benson..... | do 4 | 118 | 65 | 4 73 | 5 | do 26 | 9 72 | Screw, tug, Lake Erie. | |
| J. S. Clark | Toronto..... | Smith | do 7 | 33 | 13 | 1 32 | 5 | do 3 | 6 32 | do Toronto Harbour. | |
| W. T. Robb | do | do | do 8 | 243 | 159 | 9 72 | 5 | do 4 | 14 72 | do The Great Lakes. | |
| J. H. Doyle..... | do | Collier..... | do 10 | 17 | 11 | 0 68 | 5 | Sept. 9 | 5 68 | do Toronto Harbour. | |
| Wm. Hall..... | do | Brownson | do 12 | 56 | 32 | 2 24 | 5 | do 28 | 7 24 | do do | |

| | | | | | | | | | | | | |
|---------------------|------------------|---------------|----|----|-----|-----|-------|---|---------|-------|---|----|
| Golden City..... | do | Smith..... | do | 14 | 35 | 26 | 1 40 | 5 | May 16 | 6 40 | do | do |
| Little Eva..... | do | do | do | 17 | 12 | 8 | 0 48 | 5 | June 4 | 5 48 | do | do |
| Emily May..... | Barrie..... | do | do | 24 | 362 | 228 | 14 48 | 8 | July 18 | 22 48 | Paddle, passenger, Lake Simcoe. | do |
| Clara..... | do | do | do | 24 | 11 | 8 | 0 46 | 5 | June 22 | 5 46 | Screw do Kempenfedit Bay. | do |
| Victoria..... | Belle Ewart..... | do | do | 24 | 63 | 43 | 2 56 | 5 | May 8 | 7 56 | do tug, Lake Simcoe. | do |
| Isabelle..... | Bradford..... | do | do | 25 | 44 | 30 | 1 76 | 5 | June 24 | 6 76 | do do do | do |
| Kate Pilgrim..... | Mearford..... | Sing..... | do | 26 | 11 | 7 | 0 44 | 5 | do 26 | 5 44 | do do fishing, Georgian Bay. | do |
| Belle..... | do | do | do | 26 | 7 | 2 | 0 28 | 5 | do 26 | 5 28 | do do do | do |
| Fanny..... | do | Stephens..... | do | 27 | 5 | 3 | 0 20 | 5 | Aug. 7 | 5 20 | do do do & pass. do | do |
| Flora L. Bains..... | Toronto..... | Smith..... | do | 29 | 9 | 5 | 0 36 | 5 | July 2 | 5 36 | do pass., Toronto and Island. | do |
| Maple Leaf..... | Lindsay..... | Brown..... | do | 4 | 15 | 13 | 0 54 | 5 | June 28 | 5 54 | do do Bobcageon & Lindsay. | do |
| Mary Ellen..... | do | do | do | 4 | 81 | 51 | 3 24 | 5 | do 28 | 8 24 | Paddle, tug and freight, Lindsay Lakes. | do |
| Beaubocage..... | do | do | do | 4 | 129 | 105 | 1 92 | 5 | do 28 | 6 92 | do do do | do |
| Samson..... | do | do | do | 4 | 129 | 81 | 5 18 | 5 | do 28 | 10 18 | do do do | do |
| Lady Ida..... | do | do | do | 4 | 27 | 17 | 1 10 | 5 | do 30 | 6 10 | do do do | do |
| Anglo Saxon..... | do | do | do | 4 | 69 | 43 | 2 76 | 5 | do 30 | 7 76 | do do do | do |
| Vanderbilt..... | do | do | do | 5 | 286 | 180 | 11 46 | 8 | do 28 | 19 46 | Paddle, passenger, Lindsay and Bobcageon. | do |
| Ontario..... | Bobcageon..... | do | do | 5 | 80 | 50 | 3 20 | 5 | do 20 | 8 20 | Paddle, passenger, Bridgewater and Bobcageon. | do |
| Victoria..... | do | do | do | 6 | 191 | 120 | 7 64 | 8 | do 24 | 15 64 | Paddle, passenger, Fenelon Falls and Bobcageon. | do |
| Coboconk..... | do | do | do | 6 | 58 | 45 | 1 69 | 5 | do 18 | 6 69 | Paddle, passenger, Fenelon Falls and Coboconk. | do |
| Nipissing..... | Rousseau..... | Smith..... | do | 16 | 243 | 153 | 9 72 | 8 | July 15 | 17 72 | Paddle, passenger, Muskoka Lakes. | do |
| Simcoe..... | Gravenhurst..... | do | do | 16 | 26 | 15 | 1 04 | 5 | do 15 | 6 04 | Screw, tug | do |

53

STEAM VESSELS inspected for the Year ended 31st December, 1878—West Ontario, &c., Division—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|----------------------|-----------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|--|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Wenona..... | Gravenhurst..... | Smith | July 16 | 179 | 113 | 7 16 | 8 | July 15 | 15 16 | Paddle, passenger, Muskoka Lakes |
| Dean..... | Baysville..... | do | do 17 | 7 | 6 | 0 28 | 5 | do 25 | 5 28 | Screw do Lake of Bays. |
| Northern..... | Huntsville.. | do | do 18 | 98 | 62 | 3 96 | 5 | do 25 | 8 96 | Paddle do Huntsville and Port Sydney. |
| Ben Milwood..... | Collingwood..... | Watson..... | do 20 | 10 | 7 | 0 44 | 5 | do 20 | 5 44 | Screw, tug, Collingwood and Nottawasaga. |
| H. Neelon..... | Port Dalhousie..... | Collier..... | do 24 | 65 | 47 | 2 56 | 5 | April 25 | 7 66 | Screw, tug, Lake Ontario. |
| D. E. McFarland..... | Stonebridge | McFarland..... | do 25 | 22 | 16 | 0 88 | 5 | June 10 | 5 88 | do Welland Canal. |
| Olivia Gordon..... | Port Colborne..... | Collier..... | do 26 | 36 | 18 | 1 32 | 5 | April 26 | 6 32 | do do |
| D. B. Dey..... | Dunnville | Brownson..... | do 26 | 11 | 5 | 0 44 | 5 | July 26 | 5 44 | do Grand River. |
| Louise..... | Welland..... | do | do 26 | 6 | 5 | 0 28 | 5 | do 26 | 5 28 | Screw, passenger, Welland Canal. |
| Ada Carter..... | do | Collier..... | do 26 | 25 | 15 | 1 00 | 5 | do 30 | 6 00 | do tug do |
| Helen | Saugeen | Fleming..... | do 31 | 5 | 3 | 0 40 | 5 | do 16 | 5 40 | do do Saugeen Harbor. |
| Tommy Wright..... | do | do | do 31 | 12 | 6 | 0 48 | 5 | do 31 | 5 48 | do do Shore of Lake Huron. |
| George Maythem..... | Goderich..... | Doty..... | Aug. 1 | 40 | 27 | 2 08 | 5 | do 31 | 7 08 | do do Goderich Harbor. |
| Mary Beck..... | Collingwood..... | Routledge..... | do 13 | 16 | 11 | 0 60 | 5 | May 23 | 5 60 | do do Georgian Bay. |
| Niagara..... | Whitby..... | Carson..... | do 28 | 15 | 11 | 0 60 | 5 | Sept. 6 | 5 60 | do do Whitby Harbor. |
| Emma Munson..... | Frenchman's Bay | Smith..... | do 29 | 32 | 13 | 2 64 | 10 | Nov. 4 | 12 64 | do do Lake Ontario. |
| Minerva..... | Port Robinson..... | McFarland..... | Sept. 4 | 27 | 19 | 1 08 | 5 | Sept. 5 | 6 08 | do do Welland Canal. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878—West Ontario, &c. Division.—Concluded.

| Name of Vessels. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|--------------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|--|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Mystic | Not running ..... | ..... | ..... | 51 | 37 | ..... | ..... | ..... | ..... | Screw, tug, Amherstburg. |
| Parker | do ..... | ..... | ..... | 170 | 105 | ..... | ..... | ..... | ..... | do do Windsor. |
| St. Clair | do ..... | ..... | ..... | 36 | 16 | ..... | ..... | ..... | ..... | do do St. Catharines. |
| Tecumseh..... | do ..... | ..... | ..... | 633 | 543 | ..... | ..... | ..... | ..... | do freight, Chicago and Port Colborne. |
| Minnie Walker..... | do ..... | ..... | ..... | 21 | 19 | ..... | ..... | ..... | ..... | do tug, Bayfield Harbour. |
| Despatch | do ..... | ..... | ..... | 33 | 22 | 1 32 | 5 | July 13 | 6 32 | do do fishing, Cockburn Island. |
| Florence | Hamilton..... | Kitlson | April 30 | 132 | 75 | 5 28 | 8 | April 18 | 13 28 | do ferry, Burlington Bay. |
| Minnie Wade | Not running..... | ..... | ..... | 9 | 6 | 0 36 | 5 | May 28 | 5 36 | do yacht at Penetanguishene. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.

EAST ONTARIO DIVISION.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspec- tion. | Gross Tonnage. | Registered Ton- nage. | Tonnage Dues. | Inspection Fees. | Date of Pay- ment. | Totals. | Remarks. |
|------------------------|---------------------|----------------------|--------------------------|----------------|--------------------------|---------------|------------------|-----------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Traveller..... | Garden Island..... | W. R. Mingaye..... | March 11 | 208 | 58 | 8 32 | 5 | March 12 | 13 32 | Side-wheel, tug steamer, Lake Ontario & River St. Lawrence. |
| Geneva..... | Kingston..... | do | do 18 | 97 | 39 | 3 88 | 5 | do 16 | 8 88 | Screw, passenger, Rivers Ottawa and St. Lawrence. |
| Norseman..... | Port Hope..... | E. J. W. Burton..... | April 4 | 783 | 493 | 31 32 | 8 | April 11 | 39 32 | Side-wheel, passenger, Lake Ontario. |
| Albert Wright..... | do | do | do 4 | 29 | 29 | 1 16 | 5 | do 3 | 6 16 | Screw, tug, Port Hope Harbour and vicinity. |
| Jessie Hall..... | Kingston..... | W. R. Mingaye..... | do 6 | 56 | 29 | 2 28 | 5 | do 6 | 7 28 | Screw, tug, Lake Ontario and River St. Lawrence. |
| Hastings..... | do | do | do 8 | 639 | 347 | 25 52 | 8 | do 8 | 33 52 | Side-wheel, passenger, Bay of Quinte. |
| Maud..... | do | do | do 11 | 293 | 133 | 11 72 | 8 | March 7 | 19 72 | Side-wheel, passenger, Lake Ontario, Bay and River. |
| Norman..... | do | do | do 13 | 153 | 96 | 6 12 | 5 | April 11 | 11 12 | Screw, freight, Bay of Quinte and River St. Lawrence. |
| John A. Macdonald..... | Garden Island..... | do | do 17 | 273 | 153 | 10 92 | 5 | do 17 | 15 92 | Side-wheel, tug, River St. Lawrence. |
| S. S. Edsall..... | Kingston..... | do | do 17 | 150 | 94 | 6 00 | 5 | do 16 | 11 00 | Screw, tug, River St. Lawrence and Lake Ontario. |
| McArthur..... | Collins' Bay..... | do | do 20 | 169 | 77 | 6 76 | 5 | do 18 | 11 76 | do do do |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.—East Ontario, &c., Division.—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|---------------------|---------------------|---------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Armenia | Kingston | John S. Clute | April 25 | 109 | 84 | 4 36 | 5 | April 22 | 9 36 | Screw, passenger, Bay of Quinté and River St. Lawrence. |
| Alexandra | Picton | do | do 25 | 940 | 550 | 37 60 | 8 | do 25 | 45 60 | Side-wheel, passenger, Trenton and Montreal. |
| Picton | do | do | do 25 | 802 | 491 | 32 04 | 8 | do 25 | 40 04 | Side-wheel, passenger, Lake Ontario. |
| Algerian | Kingston | W. R. Mingaye | do 26 | 914 | 576 | 36 56 | 8 | do 25 | 44 56 | Side-wheel, passenger, between Montreal and Hamilton. |
| Africa | do | do | do 26 | 652 | 404 | 26 08 | 8 | do 26 | 34 08 | Screw, passenger and freight, Montreal and Chicago. |
| Glide | do | do | do 26 | 78 | 37 | 3 12 | 5 | do 26 | 8 12 | Screw, tug, River St. Lawrence and Lake Ontario. |
| Water Lily | do | do | do 27 | 96 | 54 | 3 84 | 5 | do 25 | 8 84 | Screw, freight, Rideau Canal and River St. Lawrence. |
| Spartan | do | do | do 30 | 1169 | 678 | 46 76 | 8 | do 25 | 54 76 | Side-wheel, passenger, between Montreal and Hamilton. |
| Corsican | do | do | do 30 | 1203 | 714 | 48 12 | 8 | do 25 | 56 12 | do do do |
| D. O. West. | do | do | do 29 | 60 | 32 | 2 40 | 5 | do 29 | 7 40 | Screw, passenger, Rideau Canal. |
| Bay of Quinté | Garden Island | do | do 30 | 284 | 158 | 11 36 | 5 | do 17 | 16 36 | Side-wheel, tug, River St. Lawrence. |
| H. F. Bronson | Kingston | do | May 1 | 137 | 71 | 5 48 | 5 | do 26 | 10 48 | Screw, tug, Lake Ontario and River St. Lawrence. |
| Winnipeg | Garden Island | do | do 2 | 860 | 487 | 12 00 | 5 | do 17 | 17 00 | Side-wheel, do do |

| | | | | | | | | | | | |
|-------------------------------|--------------------|---------------------|------|-------|---|-------|----|-------|---|---------------------------|----|
| <i>Chabralin</i> | do | do | 197 | 17 40 | 5 | do | 17 | 22 40 | do | do | do |
| <i>Nile</i> | Kingston..... | do | 3 | 3 84 | 5 | May | 3 | 8 84 | Screw, freight, Rideau Canal and River St. Lawrence. | do | do |
| <i>Urtica</i> | Trenton..... | J. S. Clute..... | 6 | 49 | 5 | do | 4 | 6 96 | do passenger, on Bay of Quinté. | do | do |
| <i>Annie Gilbert</i> | do | F. J. McGuire..... | 7 | 24 | 5 | April | 20 | 7 40 | do | do | do |
| <i>Eliza Bonar</i> | Belleville..... | Anthony Dixon..... | 7 | 26 | 5 | May | 7 | 6 04 | do tug, | do | do |
| <i>Shannon</i> | do | John S. Clute..... | 7 | 39 | 5 | April | 25 | 7 73 | Side-wheel, passenger, | do | do |
| <i>H. B. Sherwood</i> | do | J. Benson..... | 7 | 36 | 5 | May | 2 | 7 52 | Screw and tug | do | do |
| <i>Prince Edward</i> | do | Anthony Dixon..... | 7 | 36 | 5 | May | 2 | 7 52 | Screw and tug | do | do |
| <i>Peterson's Ferry</i> | Prince Edward..... | John S. Clute..... | 8 | 97 | 5 | April | 17 | 8 88 | Side-wheel, ferry | do | do |
| <i>Pilgrim</i> | Mill Point..... | J. Benson..... | 8 | 19 | 5 | do | 2 | 6 33 | Centre-wheel, ferry | do | do |
| <i>Empress of India</i> | Pictou..... | John S. Clute..... | 9 | 579 | 8 | do | 9 | 31 10 | Side-wheel, on Lake Ontario. | do | do |
| <i>Lily</i> | Kingston..... | W. R. Mingsaye..... | 15 | 16 | 5 | do | 9 | 5 64 | Screw, tug, Rideau Canal and River St. Lawrence. | do | do |
| <i>Greenville</i> | do | do | 17 | 21 | 5 | do | 17 | 5 84 | do | do | do |
| <i>Adventure</i> | do | do | 18 | 160 | 5 | do | 18 | 11 40 | do freight | do | do |
| <i>Pierrepoint</i> | do | do | 22 | 252 | 5 | March | 7 | 15 08 | Side-wheel, passenger, Kingston and Cape Vincent. | do | do |
| <i>Flight</i> | do | do | 23 | 37 | 5 | May | 23 | 6 48 | Screw passenger, Bay of Quinté. | do | do |
| <i>F. B. Maxwell</i> | do | do | 23 | 339 | 8 | do | 23 | 21 56 | Side-wheel do Lake Ontario. | do | do |
| <i>Robt. Anglin</i> | do | do | 25 | 104 | 5 | do | 25 | 9 16 | Screw, freight, Rideau Canal and River St. Lawrence. | do | do |
| <i>Eiswood</i> | do | do | 27 | 39 | 5 | do | 27 | 6 56 | do tug, | do | do |
| <i>Rose</i> | do | W. R. Mingsaye..... | 30 | 122 | 5 | do | 28 | 9 88 | Screw, freight, &c., Rideau Canal and River St. Lawrence. | do | do |
| <i>Peerless</i> | do | do | June | 5 | 5 | June | 5 | 6 04 | Screw, passenger, | do | do |
| <i>Kircardine</i> | do | James T. Wolf..... | 5 | 343 | 8 | do | 27 | 23 36 | do | Bay of Quinte and Oswego. | do |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.—East Ontario Division.—Continued

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|------------------------|---------------------|----------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Marquis of Lorne | Kingston..... | W. R. Mingay..... | June 6 | 20 | 11 | 0 80 | 5 | April 13 | 5 80 | Screw, passenger, Bay of Quinte and River St. Lawrence. |
| Allington..... | Harwood..... | George Perry..... | do 11 | 33 | 26 | 1 30 | 5 | June 3 | 6 30 | Screw, passenger, Rice Lake and Otonabee River. |
| Alert..... | do | do | do 11 | 6 | 1 | 0 24 | 5 | do 3 | 5 24 | do do |
| Fairy..... | do | do | do 11 | 23 | 8 | 0 92 | 5 | do 3 | 5 92 | do do |
| Whistle Wing..... | do | James Stratton | do 11 | 88 | 71 | 1 24 | 5 | do 6 | 6 24 | Side-wheel, do |
| Maggie Somerville..... | do | George Perry..... | do 11 | 11 | 8 | 0 44 | 5 | do 3 | 5 44 | Screw, do |
| Golden Eye..... | do | James Stratton | do 11 | 62 | 25 | 2 48 | 5 | do 6 | 7 48 | Side-wheel, do |
| Isaac Butts..... | do | George Perry..... | do 11 | 240 | 174 | 5 28 | 8 | May 25 | 13 28 | do do |
| Aln..... | Peterboro' | James Stratton | do 12 | 35 | 35 | 1 40 | 5 | June 11 | 6 40 | do tug, do |
| Cruiser..... | Lakefield | do | do 12 | 31 | 24 | 1 24 | 5 | do 14 | 6 24 | Screw, passenger, on Clear and Stony Lakes. |
| Tiger..... | do | do | do 13 | 3 | 2 | 0 08 | 5 | do 8 | 5 08 | do do |
| R. S. Sperry..... | Cornwall..... | R. K. Bullock | do 18 | 23 | 16 | 1 12 | 5 | do 13 | 6 12 | Screw, passenger, on Lake St. Frances. |
| R. Kendrick..... | do | Hiram Carman..... | do 18 | 15 | 12 | 1 05 | 5 | do 10 | 6 05 | Screw, passenger, River St. Lawrence. |
| Eureka..... | Morrisburgh | do | do 19 | 55 | 44 | 2 32 | 5 | do 19 | 7 32 | do do |
| | do | do | do 19 | 53 | 50 | 2 60 | 5 | do 19 | 7 60 | do do |

| Ship Name | Origin | Destination | Day | Month | Year | Passengers | Tons | Value | Remarks |
|----------------|----------------|---------------|-----|-------|----------|------------|---|-------|---------|
| Lorena | do | do | 19 | 5 | 18 | 5 36 | Screw, tug, | do | |
| Transit | Prescott | B. D. Jessop | 19 | 8 | 19 | 13 60 | do passenger | do | |
| Florence | do | do | 19 | 5 | 17 | 5 24 | do do | do | |
| Chaffey | Brockville | George Easton | 20 | 5 | 8 | 6 68 | do do | do | |
| Lily Nicholson | do | do | 20 | 5 | 20 | 5 72 | do do | do | |
| Tolford | do | do | 20 | 5 | 19 | 5 16 | do do | do | |
| Mayflower | Kingston | W. R. Mingaye | 27 | 5 | 27 | 5 92 | Screw, passenger, Rideau Canal | do | |
| Magnet | do | do | 2 | 8 | July | 49 16 | Side-wheel, passenger, between Montreal and Hamilton. | do | |
| Saxon | do | do | 3 | 5 | do | 12 36 | Screw, freight, between Trenton and Oswego. | do | |
| Falcon | Brockville | George Easton | 6 | 5 | do | 5 52 | Screw, passengers, River St. Lawrence. | do | |
| Crusoe | Kingston | W. R. Mingaye | 8 | 5 | April 23 | 6 12 | do do | do | |
| Clara Louise | do | do | 9 | 5 | July | 5 80 | do do | do | |
| Elfin | do | do | 17 | 5 | April 13 | 9 32 | do tug, | do | |
| Enterprise | Carleton Place | Z. Wilson | 23 | 5 | August 1 | 7 40 | Side-wheel, tug, Mississippi Lake. | do | |
| Olive | Smith's Falls | do | 24 | 5 | May 3 | 8 65 | Screw, passenger, Rideau Canal and Montreal. | do | |
| Lady Franklin | Kingston | W. R. Mingaye | 6 | 5 | April 1 | 6 32 | Screw, passenger, Bay of Quinte and River St. Lawrence. | do | |
| H. M. Mixer | do | do | 6 | 5 | August 6 | 5 84 | do tug, | do | |
| Ruby | Brockville | George Easton | 8 | 5 | do 6 | 7 89 | Screw passenger, River St. Lawrence. | do | |
| Victor | do | do | 8 | 5 | do 7 | 5 08 | do do | do | |
| Herald | Kingston | W. R. Mingaye | 10 | 5 | June 29 | 7 92 | Screw, freight, Rideau Canal and River St. Lawrence. | do | |
| Eleanor | do | do | 21 | 5 | April 24 | 6 00 | do tug, | do | |

STEAM VESSELS Inspected for the Year ended 31st December, 1878--East Ontario Division--Concluded.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|-----------------------|---------------------|---------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|--|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Welshman..... | Kingston..... | Z. Wilson..... | Aug. 30 | 143 | 86 | 5 72 | 5 | May 2 | 10 72 | Screw, freight, Rideau Canal and River St. Lawrence. |
| City of Kingston..... | do | W. R. Mingaye..... | Not Insp'd | 253 | 176 | 10 12 | 8 | June 25 | 18 12 | Side-wheel, passenger, Rideau Canal. |
| Mary Ann..... | do | do | do .. | 42 | 32 | 1 68 | 5 | July 25 | 6 68 | |
| Sarah Daly..... | Picton..... | Walter T. Ross..... | do .. | 25 | 17 | 1 05 | 5 | Sept. 21 | 6 00 | Screw, tug, steamer, Bay of Quinte |
| Carlyle | Kingston | Dues not paid..... | do .. | 128 | 83 | ..... | ..... | ..... | ..... | do freight, steamer, Rideau Canal. |
| Portsmouth. | do | do | do .. | 153 | 98 | ..... | ..... | ..... | ..... | do do do |
| Kitty Friel | do | do | do .. | 91 | 62 | ..... | ..... | ..... | ..... | do do do |
| Wren..... | do | do | do .. | 71 | 40 | ..... | ..... | ..... | ..... | Screw, tug, steamer, not employed. |
| Col. Strickland..... | Laké, Eld..... | do | do .. | 57 | 44 | ..... | ..... | ..... | ..... | Side-wheel, passenger, steamer, not employed. |
| John Bright | Belleville..... | do | do .. | 30 | 14 | ..... | ..... | ..... | ..... | Screw, tug, steamer, not employed. |
| Indian..... | Kingston | do | do .. | 308 | 163 | ..... | ..... | ..... | ..... | do freight, do |
| Jennie | Cornwall..... | do | do .. | 10 | 10 | ..... | ..... | ..... | ..... | do passenger, do |
| Queen..... | Kingston..... | do | do .. | 87 | 55 | ..... | ..... | ..... | ..... | Side-wheel, do do |
| City of Hamilton..... | Garden Island..... | do | do .. | 224 | 120 | ..... | ..... | ..... | ..... | do tug, do |
| Active | Kingston..... | do | do .. | 281 | 111 | ..... | ..... | ..... | ..... | Screw, do do |

| | | | | | | | |
|------------------------|----------------|----------|----------|---------|-------|----------------------------------|-----|
| Forest City..... | Harwood | do | do | 104 ... | 46 | Side-wheel do | do |
| Cruiser..... | Fortmouth..... | do | do | 55 ... | 24 | Screw, passenger, private yacht. | |
| No. of steamers, 99... | | | | 17238 | 10111 | 625 43 | 478 |
| | | | | | | 1103 | 43 |

JOSEPH TAYLOR,
Steamboat Inspector.

STEAM VESSELS inspected for the Year ended 31st December, 1878.

MONTREAL DIVISION.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|----------------------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Longueuil..... | Longueuil..... | W. Bleakley..... | April 9 | 317 | 200 | 12 68 | 8 | April 11 | 20 68 | Side-wheel, ferry, Longueuil and Montreal. |
| Grain Elevator, No. 6..... | Montreal .. | do | do | 100 | ..... | 4 00 | 5 | June 1 | 9 00 | Elevating grain, Montreal Harbour. |
| do No. 3..... | do | do | do | 95 | ..... | 3 80 | 5 | do 1 | 8 80 | do do |
| do No. 11..... | do | do | do | 100 | ..... | 4 00 | 5 | do 1 | 9 00 | do do |
| do No. 5..... | do | do | do | 95 | ..... | 3 80 | 5 | do 1 | 8 80 | do do |
| do No. 4..... | do | do | do | 95 | ..... | 3 80 | 5 | do 1 | 8 80 | do do |
| do No. 2..... | do | do | do | 95 | ..... | 3 80 | 5 | do 1 | 8 80 | do do |
| do No. 1..... | do | do | do | 95 | ..... | 3 80 | 5 | do 1 | 8 80 | do do |
| do No. 9..... | do | do | do | 100 | ..... | 4 00 | 5 | do 1 | 9 00 | do do |
| Montarville..... | Longueuil..... | do | do | 268 | 166 | 10 72 | 8 | April 11 | 18 72 | Side-wheel, ferry, Montreal and Longueuil. |
| Prince of Wales..... | Lachine | do | do | 610 | 314 | 24 40 | 8 | May 17 | 32 40 | Side-wheel, passenger, Montreal and Carillon. |
| Aurora..... | do | do | do | 125 | 78 | 5 00 | 5 | do 10 | 10 00 | Side-wheel, tug, Lachine and Carillon. |
| Ste. Hélène..... | Longueuil .. | do | do | 366 | 230 | 14 64 | 8 | do 11 | 22 64 | Side-wheel, ferry, Montreal and Island. |
| Grain Elevator No. 1..... | Montreal | do | do | 75 | ..... | 3 00 | 5 | April 25 | 8 00 | Elevating grain, Montreal Harbour. |

| Vermont | Lachine | do | do | do | do | 26 | 206 | 117 | 8 24 | 5 June 12 | 13 24 | Side-wheel, tug, Montreal and Carillon. |
|-----------------|---------------|----|----|----|----|-------|---|-----|-------|------------|-------|--|
| Express | do | do | do | do | do | 26 | 44 | 30 | 1 70 | 5 May 20 | 6 76 | Screw, tug, Montreal and Ottawa. |
| Bohemian | do | do | do | do | do | 29 | 1,138 | 630 | 45 53 | 8 April 30 | 53 53 | Side-wheel, passenger, Montreal and Cornwall. |
| Milford | do | do | do | do | do | 29 | 183 | 125 | 7 32 | 5 Aug. 8 | 12 32 | Centre-wheel, freight, Montreal and Ottawa. |
| H. H. Whitney | do | do | do | do | do | 29 | Not registered as a British Vessel; was seized. | | | | | |
| British America | do | do | do | do | do | 29 | 170 | 99 | 6 80 | 5 June 5 | 11 80 | Side-wheel, tug, Lachine and Carillon. |
| C. J. Brydges | Montreal | do | do | do | do | 30 | 39 | 21 | 1 56 | 5 May 8 | 6 56 | Screw, tug, Lachine Canal Improvements. |
| C. W. Dennis | do | do | do | do | do | 30 | 17 | 8 | 0 68 | 5 do 8 | 5 68 | do do do |
| Valetta | do | do | do | do | do | May 3 | 655 | 507 | 26 20 | 8 do 20 | 34 20 | Screw, freight and passenger, Montreal and Picton. |
| Carillon | Lachine | do | do | do | do | 6 | 128 | 61 | 5 12 | 5 do 1 | 10 12 | Side-wheel, tug, Ottawa and Whitehall. |
| Franke Percw | Montreal | do | do | do | do | 7 | 43 | 23 | 1 72 | 5 do 7 | 6 72 | Screw, tug, Montreal & Kingston. |
| Faron | Lachine | do | do | do | do | 7 | 114 | 56 | 4 56 | 5 do 1 | 9 56 | Side-wheel, tug Lachine and Carillon. |
| Georgiana | Montreal | do | do | do | do | 8 | 53 | 28 | 2 12 | 5 do 7 | 7 12 | Screw, tug, Montreal Harbour. |
| W. C. Francis | do | do | do | do | do | 8 | 37 | 13 | 1 48 | 5 do 7 | 6 48 | do do do |
| Philip Becker | do | do | do | do | do | 8 | 28 | 19 | 1 12 | 5 do 1 | 6 12 | do Lachine Canal Improvements. |
| John Sicker | do | do | do | do | do | 8 | 38 | 26 | 1 52 | 5 do 1 | 6 52 | do do do |
| C. M. Riter | do | do | do | do | do | 8 | 35 | 24 | 1 40 | 5 do 1 | 6 40 | do do do |
| Leslie | Côte St. Paul | do | do | do | do | 8 | 11 | 6 | 0 44 | 5 do 6 | 5 44 | do do do |
| St. Lambert | Montreal | do | do | do | do | 9 | 172 | 109 | 6 88 | 8 June 11 | 14 88 | Centre-wheel, ferry, Montreal and St. Lamberts. |

STREAM VESSELS Inspected for the Year ended 31st December, 1878—Montreal Division—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|-----------------------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cis. | \$ | | \$ cis. | |
| Louise..... | Montreal..... | Z. Wilson..... | May 9 | 255 | 140 | 10 20 | 5 | May 8 | 15 20 | Screw, tug and freight, Montreal and Ottawa. |
| St. Peter..... | do..... | W. Bleakley..... | do 9 | 43 | 29 | 1 72 | 5 | do 22 | 6 72 | Screw, tug, Montreal Harbour Improvements. |
| St. Francis..... | do..... | do..... | do 10 | 803 | 471 | 32 12 | 8 | do 10 | 40 12 | Side-wheel, passenger, Montreal and Cornwall. |
| St. George..... | do..... | do..... | do 10 | 49 | 31 | 1 96 | 5 | do 10 | 6 96 | Screw, tug, Ottawa and Quebec. |
| Beaver..... | do..... | do..... | do 11 | 405 | 245 | 16 20 | 5 | do 6 | 21 20 | Side-wheel, tug, Montreal and Father Point. |
| Zebra..... | do..... | do..... | do 11 | 30 | 14 | 1 20 | 5 | do 10 | 6 20 | Screw, tug, Ottawa and Chambly. |
| William..... | do..... | do..... | do 11 | 49 | 31 | 1 96 | 5 | do 10 | 6 96 | do do |
| National..... | do..... | do..... | do 11 | 121 | 76 | 4 84 | 5 | do 20 | 12 84 | Side-wheel, tug, Montreal and Carillon. |
| Arctic..... | do..... | Z. Wilson..... | do 13 | 193 | 120 | 7 72 | 5 | do 8 | 12 72 | Screw, freight, Montreal and Ottawa. |
| Calumet..... | do..... | W. Bleakley..... | do 13 | 40 | 27 | 1 60 | 5 | do 7 | 6 60 | Screw tug, Montreal Harbour. |
| Caroline..... | do..... | Z. Wilson..... | do 14 | 190 | 116 | 7 00 | 5 | do 8 | 12 60 | Screw, freight, Montreal and Ottawa. |
| Grain Elevator, No. 10..... | do..... | W. Bleakley..... | do 14 | 100 | ..... | 4 00 | 5 | June 1 | 9 00 | Elevating grain, Montreal Harbour. |
| do No. 8..... | do..... | do..... | do 14 | 132 | 90 | 5 28 | 5 | do 1 | 10 28 | do do |

| | | | | | | | | | | | |
|-----------------------------|---------------|------------------|-------|-----|--------|----|-------|---------|----|-------|--|
| Beauharnois..... | do | do | 178 | 331 | 15 | do | 13 24 | 8 May | 4 | 21 24 | Side-wheel, passenger, Montreal and Beauharnois. |
| Laprairie..... | do | do | 20 92 | 523 | 15 | do | 20 92 | 8 do | 14 | 28 93 | Side-wheel, ferry, Montreal and Laprairie. |
| Portneuf..... | Lachine.. | do | 8 72 | 218 | 16 | do | 8 72 | 8 do | 11 | 16 73 | Side-wheel, ferry, Lachine and Caughnawaga. |
| Dagmar..... | Montreal..... | do | 16 20 | 405 | 17 | do | 16 20 | 8 do | 17 | 24 20 | Side-wheel, passenger, Montreal and Carillon. |
| Grain Elevator No. 7..... | do | do | 3 92 | 98 | 17 | do | 3 92 | 5 June | 1 | 8 92 | Elevating grain, Montreal Harbour. |
| Mink..... | do | C. Carleton..... | 3 60 | 90 | 20 | do | 3 60 | 5 May | 13 | 8 60 | Screw, tug, Ottawa and Whitehall. |
| Manito a..... | do | W. Bleakley..... | 14 20 | 355 | 21 | do | 14 20 | 8 do | 31 | 22 20 | Side-wheel, passenger, Montreal and Carillon. |
| Canada..... | do | C. Carleton..... | 5 84 | 68 | 21 | do | 5 84 | 5 April | 30 | 10 84 | Side-wheel, tug, Ottawa and Whitehall. |
| Messenger..... | do | W. Bleakley..... | 1 12 | 28 | 23 | do | 1 12 | 5 May | 10 | 6 12 | Screw, tug, Montreal and Beauharnois. |
| City of Ottawa..... | do | do | 9 04 | 150 | 23 | do | 9 04 | 8 do | 23 | 17 04 | Side-wheel, ferry, Quebec and Island of Orleans. |
| Cantin..... | do | do | 2 96 | 74 | 28 | do | 2 96 | 5 do | 8 | 7 96 | Screw, tug, Ottawa and Quebec. |
| Tim Doyle..... | do | do | 0 80 | 20 | 29 | do | 0 80 | 5 do | 29 | 5 80 | do Lachine Canal. |
| Passport..... | do | do | 41 32 | 592 | June 1 | do | 41 32 | 8 June | 7 | 49 32 | Side-wheel, passenger, Montreal and Hamilton. |
| Corinthian..... | do | do | 42 44 | 614 | 1 | do | 42 44 | 8 do | 7 | 50 44 | do do do |
| Matilda..... | do | do | 5 56 | 74 | 3 | do | 5 56 | 5 do | 3 | 10 56 | Side-wheel, tug, Montreal and Ottawa. |
| Shickluna..... | do | Z. Wilson..... | 2 42 | 63 | 5 | do | 2 42 | 5 do | 1 | 7 52 | Screw, tug, Ottawa & Whitehall. |
| Grain Elevator, No. 12..... | do | W. Bleakley..... | 4 00 | 100 | 6 | do | 4 00 | 5 July | 11 | 9 00 | Elevating grain, Montreal Harbour. |
| Nil Desperandum..... | Carillon..... | do | 1 08 | 27 | 10 | do | 1 08 | 5 May | 27 | 6 08 | Centre-wheel, ferry, Carillon and Point Fortune. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.—East Ontario Division.—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|------------------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|--|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Como | Carillon..... | W. Bleakley..... | June 10 | 75 | 47 | 3 00 | 5 | June 12 | 8 00 | Side-wheel, tug, Carillon and Greeses Point. |
| Nymph..... | Hawkesbury..... | do | do 11 | 74 | 43 | 2 96 | 5 | July 10 | 7 96 | Side-wheel, ferry, Grenville and Hawkesbury. |
| Manxman | do | do | do 11 | 74 | 46 | 2 96 | 5 | June 14 | 7 96 | Centre-wheel, tug, Hawkesbury and Grenville. |
| Cultivateur..... | Calumet..... | do | do 11 | 15 | 10 | 0 60 | 5 | do 18 | 5 60 | Centre-wheel, ferry, L'Original and Calumet. |
| James Worthington..... | Buckingham..... | do | do 11 | 31 | 21 | 1 24 | 5 | July 3 | 6 24 | Centre-wheel, passenger, Buckingham and above. |
| Eddie May. | Ottawa | Z. Wilson..... | do 12 | 9 | 5 | 0 36 | 5 | June 17 | 5 36 | Screw, ferry, Ottawa and Kettle Island. |
| Agnes McMahon | do | do | do 12 | 82 | 47 | 3 28 | 5 | do 6 | 8 28 | Screw, tug, Ottawa and Whitehall |
| M. K. D. | do | W. Bleakley..... | do 12 | 206 | 112 | 8 24 | 5 | do 12 | 13 24 | Side-wheel, tug, Ottawa and Grenville |
| Gatineau | do | O. Carleton..... | do 12 | 94 | 52 | 3 76 | 5 | do 11 | 8 76 | Side-wheel, ferry, Ottawa and Gatineau Point. |
| Crusader..... | do | Z. Wilson..... | do 12 | 3 | 2 | 0 12 | 5 | July 13 | 5 12 | Screw, passenger, Ottawa and Grenville. |
| Mac..... | do | C. Carleton..... | do 13 | 191 | 112 | 7 64 | 5 | June 11 | 12 64 | Side-wheel, tug, Ottawa and Grenville. |
| Albert..... | do | W. Bleakley | do 13 | 194 | 110 | 7 76 | 5 | do 12 | 12 76 | do do |
| Casselman..... | do | do | do 13 | 195 | 108 | 7 80 | 5 | do 12 | 13 80 | do do |

STEAM VESSELS Inspected for the Year ended 31st December, 1878—Montreal Division—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|---------------------|---------------------|--------------------|---------------------|-------------------------------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Empress..... | Lake Allamette..... | Z. Wilson..... | June 21 | 188 | 95 | 7 52 | 5 | May 15 | 12 52 | Side-wheel, tug, Allumette Lake. |
| Sir John Young..... | Chapeau..... | do..... | do 21 | 282 | 178 | 11 28 | 8 | do 15 | 19 28 | do passenger, Bryson and Chapeau. |
| Alliance..... | Sand Point..... | do..... | do 22 | 274 | 172 | 10 96 | 8 | do 15 | 18 96 | Side-wheel, passenger, Pontiac and Portage du Fort. |
| A. H. Baldwin..... | do..... | do..... | do 22 | 177 | 98 | 7 08 | 5 | do 15 | 12 08 | Screw, tug, Pontiac and Portage du Fort. |
| Monitor..... | Aylmer..... | do..... | do 23 | 333 | 210 | 13 32 | 5 | June 17 | 18 32 | Side-wheel, tug, Aylmer and Pontiac. |
| Princess..... | Como..... | W. Bleakley..... | do 25 | 579 | 331 | 23 16 | 8 | May 17 | 31 16 | Side-wheel, passenger, Montreal and Carillon. |
| Eureka..... | Lachine..... | do..... | do 27 | 22 | 15 | 0 88 | 5 | June 27 | 5 88 | Screw, tug, Lachine and Ste. Anne. |
| Plover..... | do..... | do..... | do 27 | 43 | 30 | 1 72 | 5 | do 17 | 6 72 | do do |
| Jennie..... | do..... | do..... | do 27 | Not registered as a British Vessel. |  |  |  |  | ..... | Screw, tug, Lachine, Canal Improvements. |
| Wood..... | Montreal..... | do..... | do 28 | 163 | 89 | 6 52 | 5 | July 18 | 11 52 | Side-wheel, tug, Montreal and Ottawa. |
| Dandy..... | do..... | Z. Wilson..... | July 15 | 46 | 15 | 1 84 | 5 | June 6 | 6 84 | Screw, tug, Ottawa and Whitehall. |
| G. Anderson..... | do..... | W. Bleakley..... | do 16 | 84 | ..... | 3 36 | 5 | July 16 | 8 36 | Screw, freight, Montreal and Cornwall. |
| Victoria..... | Lachine..... | do..... | do 18 | 106 | 67 | 4 21 | 5 | Nov. 21 | 9 24 | Side-wheel, tug, Montreal and Cornwall. |

| Which of the Ware..... | J. T. Bartram..... | do | 23 | 27 | 18 | 1 08 | 5 Aug. 16 | 6 08 | Screw, passenger, Aylmer and Pontiac. |
|------------------------|--------------------|-------|-------|-------|--------|------|------------|---------|---|
| Gatineau..... | C. Carleton..... | Aug. | 1 | 133 | 67 | 5 32 | 5 May 3 | 10 32 | Screw, freight, Montreal and Ott. wa. |
| Rhoda May..... | W. Bleakley..... | do | 5 | 17 | 12 | 0 68 | 5 Aug. 5 | 5 63 | Screw, passenger, Dundee and St. Anicet. |
| 'Wild Goose..... | do | do | 12 | 13 | 9 | 0 52 | 5 do 21 | 5 52 | Centre-wheel, passenger, Beauharnois and Island. |
| Mark Twain..... | C. Carleton..... | do | 16 | 113 | 77 | 4 52 | 5 July 29 | 9 52 | Screw, freight, Montreal and Ottawa. |
| Ste. Anne..... | W. Bleakley..... | do | 20 | 17 | 12 | 0 68 | 5 May 16 | 5 63 | Screw, tug, Lachine Canal. |
| Joe Mac..... | do | do | 29 | 43 | 29 | 1 72 | 5 Sept. 24 | 6 72 | do do Montreal and Cornwall. |
| Julia..... | do | Sept. | 6 | 9 | 6 | 0 36 | 5 do 19 | 5 36 | Screw, passenger, Above Buckingham. |
| Valleyfield..... | do | do | 23 | 14 | 9 | 0 56 | 5 do 23 | 5 56 | Side wheel, passenger, Valleyfield and River Grace. |
| | Total..... | | 21485 | 11950 | 859 40 | 688 | | 1527 40 | |

JOHN BURGESS,
Steamboat Inspector.

STEAMERS not Inspected in Montreal Division for Year ended 31st December, 1878, and which were not Employed during the Season.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Total. | Remarks. |
|-----------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|----------|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| J. B. A. | | | | 124 | 23 | | | | | |
| Caribou | | | | 125 | 78 | | | | | |
| Maid of Canada | | | | 314 | 125 | | | | | |
| Emerald | | | | 90 | 56 | | | | | |
| Allouette | | | | 22 | 16 | | | | | |
| 112 Eclair | | | | 7 | 1 | | | | | |
| Boston | | | | 150 | 72 | | | | | |
| Charlotte | | | | 41 | 10 | | | | | |
| Ivanhoe | | | | 63 | 33 | | | | | |
| Chain Tug | | | | 136 | 76 | | | | | |
| Maggie Bell | | | | 146 | 82 | | | | | |
| Beta | | | | 92 | 63 | | | | | |
| | | Total | | 1310 | 635 | | | | | |

JOHN BURGESS,
Steamboat Inspector.

THREE RIVERS DIVISION.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Due. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|------------------------|---------------------|--------------------|---------------------|----------------|---------------------|--------------|------------------|------------------|---------|--|
| | | | | | | \$ | \$ | | \$ cts. | |
| St. John..... | Sorel..... | G. Peltier..... | April 1 | 55 | 37 | 2 20 | 5 | April 2 | 7 20 | Screw, tug, dredge tender. |
| Sorel..... | do..... | do..... | do | 158 | 89 | 6 32 | 8 | do | 14 32 | Side-wheel, passenger, St. Francis and Montreal. |
| St. Louis..... | do..... | do..... | do | 34 | 23 | 1 36 | 5 | do | 6 36 | Screw, tug, dredge tender. |
| St. Paul..... | do..... | do..... | do | 45 | 27 | 1 80 | 5 | do | 6 80 | do |
| Chambly..... | do..... | do..... | do | 617 | 397 | 25 88 | 8 | do | 33 88 | Side-wheel, passenger, Chambly and Montreal. |
| Terrebonne..... | do..... | do..... | do | 601 | 361 | 24 04 | 8 | do | 32 04 | Side-wheel, passenger, Terrebonne and Montreal. |
| St. Francis..... | do..... | do..... | do | 55 | 37 | 2 20 | 5 | do | 7 20 | Screw, tug, dredge tender. |
| Minnie F. Parsons..... | do..... | do..... | do | 45 | 23 | 1 80 | 5 | do | 6 80 | do |
| Delisle..... | do..... | do..... | do | 45 | 17 | 1 80 | 5 | do | 6 80 | do |
| St. James..... | do..... | do..... | do | 91 | 54 | 3 61 | 5 | do | 8 64 | do |
| Cultivateur..... | do..... | do..... | do | 694 | 437 | 27 76 | 8 | do | 35 76 | Side-wheel, passenger, Montreal and Three Rivers. |
| John Young..... | do..... | do..... | do | 164 | 103 | 6 52 | 8 | do | 14 52 | Side-wheel, passenger, Harbour Commissioners' Service. |
| Berthier..... | do..... | do..... | do | 1101 | 671 | 44 04 | 8 | do | 52 04 | Side-wheel, passenger, Berthier and Montreal. |

STEAM VESSELS Inspected for the Year ended 31st December 1879—Three Rivers—Continued.

| Name of Vessel. | Port of Inspection. | Name of Inspector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|---------------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts | |
| Trois Rivières..... | Sorel..... | G. Peltier..... | April 8 | 1710 | 1047 | 68 40 | 8 | April 8 | 76 40 | Side-wheel, passenger, Three Rivers and Montreal. |
| John Pratt..... | do | do | do 9 | 70 | 21 | 2 80 | 5 | do 10 | 7 80 | Screw, tug, dredge tender. |
| Montreal..... | do .. | do .. | do 9 | 2211 | 1279 | 88 44 | 8 | do 10 | 96 44 | Side-wheel, passenger, Montreal and Quebec. |
| Richelieu..... | do | do | do 11 | 126 | 68 | 5 04 | 8 | do 12 | 13 04 | Side-wheel, passenger, Harbour Commissioners' Service. |
| Mattawan..... | do | Wm. Bleakley..... | do 11 | 612 | 389 | 24 48 | 8 | do 16 | 32 48 | Screw, freight and passenger, Chicago and Quebec. |
| Rocket..... | do | do | do 13 | 590 | 329 | 23 60 | 8 | do 16 | 31 60 | Side-wheel, tug and passenger, Montreal and Father Point. |
| Quebec..... | do | G. Peltier..... | do 16 | 3056 | 1794 | 122 24 | 8 | do 10 | 130 24 | Side-wheel, passenger, Montreal and Quebec. |
| John..... | do | do .. | do 24 | 203 | 99 | 8 12 | 8 | do 3 | 16 12 | Side-wheel, tug, Montreal and Chambly. |
| Star..... | do | do | do 25 | 366 | 200 | 14 64 | 8 | do 3 | 22 64 | do do |
| Canada..... | do | do | do 30 | 2009 | 1167 | 80 36 | 8 | do 30 | 88 36 | Side-wheel, passenger, Montreal and Quebec. |
| Hope..... | do | do | May 3 | 306 | 161 | 12 24 | 8 | June 8 | 20 24 | Side-wheel, tug, Ottawa and St. Lawrence Rivers. |
| Berthier..... | do | do | do 3 | 169 | 91 | 6 80 | 8 | May 3 | 14 80 | Side-wheel, passenger, Montreal and Three Rivers. |

| | | | | 33 | 2 80 | 5 April 30 | 7 80 | |
|---------------------------|--------------------|-------------------|----------|-----|-------|------------|-------|--|
| <i>L'Assomption</i> | do | do | do | 28 | 2 04 | 5 do 25 | 7 80 | Centre-wheel, passenger, Sorel and Berthier. |
| Maskinongé..... | do | do | 51 | 28 | 2 04 | 5 do 25 | 7 04 | Side-wheel, passenger, Maskinongé River. |
| Rivière-du-Loup..... | do | do | 173 | 97 | 6 92 | 8 do 25 | 14 92 | Side-wheel, passenger, Rivière-du-Loup River. |
| Castore..... | St. Geneviève..... | do | 92 | 58 | 3 68 | 5 May 16 | 8 68 | Side-wheel, tug, Quebec and St. Geneviève. |
| Hero | Sorel | do | 306 | 176 | 12 28 | 8 June 10 | 20 28 | Side-wheel, passenger, Chambly and Montreal. |
| Enterprise | Sherbrooke..... | C. E. Perry..... | 38 | 24 | 1 50 | 5 July 25 | 6 50 | Side-wheel, passenger, Sherbrooke and Lennoxville. |
| St. Léon | Sorel | G. Peltier..... | 25 | 17 | 1 00 | 5 May 27 | 6 00 | Centre-wheel, passenger, Rivière-du-Loup River. |
| Fire Fly | do | do | 214 | 129 | 8 56 | 8 June 6 | 16 56 | Side-wheel, passenger, Sorel and Berthier. |
| John Br wn | do | do | 87 | 59 | 3 48 | 5 do 8 | 8 46 | Screw, tug, dredge tender. |
| Marie | do | do | 23 | 16 | 0 92 | 5 May 28 | 5 92 | Centre-wheel, tug, St. Lawrence River. |
| Champion..... | do | do | 160 | 86 | 6 40 | 8 June 8 | 14 40 | Screw, tug, Montreal and Chambly. |
| La Figue | St. Maurice..... | H. A. Lemeux..... | 49 | 31 | 1 96 | 5 do 25 | 6 96 | Side-wheel, tug, Three Rivers and Quebec. |
| Arthur | do | do | 33 | 22 | 1 32 | 5 do 26 | 6 32 | Side-wheel, tug, Three Rivers and St. Maurice. |
| Bourgeois..... | Three Rivers..... | do | 171 | 93 | 11 97 | 8 do 26 | 19 97 | Side-wheel, passenger and ferry, Three Rivers and St. Annette. |
| Laval | do | do | 90 | 65 | 3 60 | 5 do 26 | 8 60 | Side-wheel, passenger and ferry, Three Rivers and St. Geneviève. |
| City of St. Johns..... | St. Maurice..... | do | 709 | 518 | ..... | 8 Aug. 7 | 8 00 | Side-wheel, passenger. Did not run. |
| Luce..... | Sorel..... | G. Peltier | 24 | 16 | 1 00 | 5 July 9 | 6 00 | Centre-wheel, tug, Nicolet River. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878 --Three Rivers Division.—Continued.

| Name of Vessel. | Port of Inspection. | Name of Inspector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|-----------------------|---------------------|---------------------|---------------------|--|---------------------|---------------|------------------|------------------|----------|--|
| | | | | | | \$ cts. | \$ | | \$ cts | |
| Charlemagne..... | Charlemagne..... | G. Peltier..... | July 15 | 15 | 11 | 0 64 | 5 | July 17 | 5 64 | Centre-wheel, tug, Montreal and Three Rivers. |
| Mouche à Feu..... | do | do | do 15 | 20 | 13 | 0 84 | 5 | do 17 | 5 84 | Centre-wheel, ferry, Charlemagne and Bout de l'Isle. |
| Cy. ce..... | Sorel..... | G. Peltier..... | July 18 | 30 | 19 | 1 20 | 5 | July 18 | 6 20 | Centre-wheel, tug, St. Pierre and St. Geneviève. |
| St. Maurice..... | Three Rivers..... | do | do 24 | 40 | 20 | 1 60 | 5 | do 24 | 6 60 | Side-wheel, tug, Quebec & Sorel. |
| St. Lambert..... | Sorel..... | do | Aug. 6 | Inspected at Monlin, and dues paid then. | | | 8 | Aug. 6 | 8 00 | Centre-wheel, ferry, St. Lamberts and Montreal. |
| Lady of the Lake..... | Magog..... | C. S. Channell..... | do 27 | 607 | 369 | 24 28 | 8 | do 2 | 32 28 | Side-wheel, pass, Lake Magog |
| Minnie..... | Georgeville..... | do | do 27 | 38 | 26 | 1 52 | 5 | Sept. 21 | 6 52 | Centre-wheel, pass, Georgeville and Bolton. |
| Grace..... | do | do | do 27 | 9 | 6 | 0 38 | 5 | do 13 | 5 38 | Screw, pass, Magog and Newport. |
| Canada..... | Charlemagne..... | G. Peltier..... | do 28 | 37 | 25 | 1 48 | 5 | Aug. 17 | 6 48 | Centre-wheel, ferry, Montreal and Pond du Lesle. |
| Total | | | | 18273 | 10878 | 707 89 | 330 | | 1,037 89 | |

STEAMERS NOT INSPECTED AND NOT RUNNING.

| | | | | | | |
|-----------------------|------|-------|-------|-------|-------|------------------------|
| Abyssinian | 1064 | 726 | ..... | ..... | ..... | Side-wheel, passenger. |
| Victoria..... | 392 | 226 | ..... | ..... | ..... | do tug. |
| Meteor..... | 337 | 181 | ..... | ..... | ..... | do passenger and tug. |
| Ignatius Tyler..... | 126 | 92 | ..... | ..... | ..... | do tug. |
| Abenakes..... | 145 | 77 | ..... | ..... | ..... | Centre-wheel, tug. |
| Bismarck..... | 18 | 10 | ..... | ..... | ..... | do do |
| New York..... | 312 | 144 | ..... | ..... | ..... | Side-wheel, tug. |
| Iris..... | 7 | ..... | ..... | ..... | ..... | Screw, tug. |
| Nora..... | 60 | 19 | ..... | ..... | ..... | Side-wheel, tug. |
| Total 60 Vessels..... | 2461 | 1475 | ..... | ..... | ..... | ..... |

XAVIER BEFORT,
Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1878.

QUEBEC DIVISION.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|---------------------|---------------------|--------------------|---------------------|---------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Beaver | Indian Cove, Lévis | J. W. Dunscomb | April 16 | 146 | 99 | 5 84 | 8 | April 20 | 13 84 | Screw propeller, passenger and freight, Quebec and Campbelltown, N.B. |
| Flora | do | do | do | 50 | 25 | 2 00 | 5 | do 26 | 7 00 | Screw propeller, tug, Quebec Harbour. |
| Rambler | do | do | do | 59 | 20 | 2 36 | 5 | do 26 | 7 36 | do do |
| City | do | do | do | 52 | 33 | 2 08 | 5 | do 26 | 7 08 | Side-wheel do |
| Miramichi | Quebec | do | do | 722 | 491 | 28 88 | 8 | do 30 | 36 88 | do passenger, Montreal and Pictou, N.S. |
| Montmagny | do | do | do | 200 | 112 | 8 00 | 8 | May 2 | 16 00 | do passenger, Quebec and Montmagny. |
| Sampson | Lévis | do | May 1 | 168 | 106 | 6 72 | 5 | do 2 | 11 72 | do towing, Saguenay River |
| South | Hall's Boom, Que. | do | April 26 | 255 | 161 | 10 20 | 8 | do 8 | 18 20 | do ferry, Quebec and Lévis |
| St. George | do | do | do | 203 | 128 | 8 12 | 8 | do 8 | 16 12 | do do |
| Prince Edward | Lévis | do | do | 162 | 112 | 6 48 | 8 | do 8 | 14 48 | Screw propeller, winter ferry, Quebec and Lévis. |
| Arctic | do | do | May 20 | 153 | 104 | 6 12 | 8 | do 8 | 14 12 | do do |
| North | Hall's Boom, Que. | do | April 20 | 379 | 239 | 15 16 | 8 | do 8 | 23 16 | Side-wheel, ferry, Quebec and Lévis. |
| James | Quebec | do | do | 127 | 31 | 5 08 | 8 | do 9 | 13 08 | do ferry, Quebec and New Liverpool. |

| <i>Etoile</i> .. | do | ... | May | 7 | 152 | 96 | 6 08 | 8 | do | 14 | 14 08 | do | passenger, Quebec and Grandines. |
|---------------------------|----|----------------------------|-------|----|-----|-----|-------|---|------|----|-------|--|---|
| Béancour | do | ... | do | 7 | 181 | 116 | 7 36 | 8 | do | 14 | 15 36 | do | passenger, Quebec and Lotbinière. |
| Margaretha Stevenson..... | do | Hall's Boom, Que.. | April | 23 | 113 | 68 | 4 52 | 8 | do | 14 | 12 52 | Screw, propeller, coasting, and Campbellton, N.B. | Gaspé |
| Tiger | do | Lampson's Boom, Quebec. | May | 11 | 141 | 89 | 5 61 | 8 | do | 14 | 13 64 | Side-wheel, passenger, Quebec and St. Ann. | St. Ann. |
| St. Antoine..... | do | Quebec..... | do | 21 | 158 | 100 | 6 32 | 8 | do | 21 | 14 32 | do | passenger, Quebec and St. Antoine. |
| Express | do | do | do | 2 | 100 | 62 | 4 00 | 8 | do | 29 | 12 00 | do | passenger, Quebec and St. John, I.O. |
| St. Croix | do | do | do | 21 | 226 | 126 | 9 04 | 8 | June | 4 | 17 04 | do | passenger, Quebec and St. Croix. |
| C. W. Jones | do | do | June | 4 | 37 | 24 | 1 48 | 5 | do | 4 | 6 48 | Screw, propeller, tug, Quebec Har- bour. | St. Croix. |
| Vaid of Orleans..... | do | do | May | 8 | 119 | 75 | 4 76 | 8 | do | 8 | 12 76 | Side-wheel, ferry, Quebec & Island of Orleans. | St. Croix. |
| Sensation..... | do | Lampson's Boom, Quebec. | do | 9 | 15 | 4 | 0 60 | 5 | do | 15 | 5 60 | Screw, propeller, Quebec Harbour Tug. | St. Croix. |
| Champion No. 1 | do | Indian Cove, Lévis | April | 20 | 185 | 96 | 7 40 | 5 | do | 15 | 12 40 | Screw, propeller, tug, Quebec and Gulf. | St. Croix. |
| Champion No. 2 | do | do | do | 25 | 323 | 81 | 12 92 | 5 | do | 15 | 17 92 | Side-wheel, | do |
| Norwegian | do | Quebec..... | May | 13 | 131 | 40 | 5 24 | 5 | do | 18 | 10 24 | Screw, propeller, | do |
| Merrimac | do | do | June | 5 | 86 | 26 | 3 44 | 5 | do | 19 | 8 44 | do | Quebec Harbour Tug. |
| Lake..... | do | do | April | 17 | 145 | 89 | 5 80 | 5 | do | 28 | 10 80 | Screw, propeller, tug, Montreal and Gulf. | St. Ann. |
| William | do | do | May | 17 | 208 | 131 | 8 32 | 8 | do | 28 | 16 32 | Side-wheel, passenger, Quebec and St. Ann. | St. Ann. |
| Conqueror No. 2..... | do | Hall's Boom, Que.. | do | 20 | 233 | 24 | 9 32 | 5 | July | 10 | 14 32 | Side wheel, tug, Montreal and Gulf. | St. Ann. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.—Quebec Division.—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|--------------------|-------------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Margaret..... | Hall's Boom, Que.. | J. W. Dunscomb... | May 17 | 67 | 36 | 2 68 | 5 | July 10 | 7 68 | Screw, propeller, tug, Quebec Harbour. |
| Dauntless..... | do | do | do 10 | 81 | 65 | 3 24 | 5 | do 10 | 8 24 | do |
| Margaret M. | Lévis..... | do | do 18 | 269 | 40 | 10 76 | 5 | do 10 | 15 76 | Screw, propeller, tug, Montreal and Gulf. |
| Lady Dufferin..... | Lampson's Boom, Quebec. | do | June 6 | 5 | 3 | 0 20 | 5 | do 13 | 5 20 | Screw, propeller, tug, Quebec Harbour. |
| Humber..... | Quebec..... | do | May 6 | 13 | 3 | 0 52 | 5 | do 18 | 5 52 | do |
| Bee..... | do | do | June 6 | 61 | 32 | 2 44 | 5 | do 17 | 7 44 | Side-wheel, tug, Quebec and Nicolet River. |
| Fairy..... | Lampson's Boom, Quebec. | do | do 10 | 13 | 9 | 0 52 | 5 | do 19 | 5 52 | Screw, propeller, tug, Quebec Harbour. |
| Gertie..... | do | do | May 9 | 17 | 9 | 0 68 | 5 | do 20 | 5 68 | do |
| Almanda..... | Lévis..... | do | June 8 | 11 | 3 | 0 44 | 5 | do 23 | 5 44 | do |
| Robert Stoker..... | Lampson's Boom, Quebec. | do | do 10 | 14 | 2 | 0 56 | 5 | do 25 | 5 56 | do |
| L. N. G..... | do | do | do 10 | 11 | 7 | 0 44 | 5 | do 25 | 5 44 | do |
| Union..... | do | do | do 20 | 687 | 432 | 27 48 | 8 | do 26 | 35 48 | Side-wheel, passenger, Quebec and Chicoutimi. |
| Maud..... | do | do | Aug. 1 | 54 | 34 | 2 16 | 5 | Aug. 7 | 7 16 | do tug, Montreal and Quebec. |
| Rival..... | Wolf's Cove, Que.. | do | April 23 | 128 | 36 | 5 00 | 5 | do 14 | 10 60 | do do |
| Hercules..... | Lévis..... | do | May 6 | 200 | 124 | 8 00 | 8 | Sept. 10 | 16 00 | do do |

| Angles | do | June 13 183 | 91 | 6 13 5 | 8 | do | 10 | 14 12 | do | do |
|------------------------|---------------|--------------|----|--------|---------|----|-------|---------------------------------------|----|----|
| St. Joseph | do | do 8 22 | 6 | 0 88 5 | Oct. 21 | do | 5 88 | do | do | do |
| Indian Cove, Lévis | do | do 8 5 | 3 | 0 20 | do | do | 5 20 | do | do | do |
| Monkey Dorey | do | do 8 5 | 3 | 0 20 | do | do | 5 20 | Screw-propeller, Québec Harbour. | do | do |
| Lampson's Boom, Québec | do | do 8 5 | 3 | 0 20 | do | do | 5 20 | Screw-propeller, Québec Harbour. | do | do |
| Resolute | do | April 25 139 | 40 | 5 56 | do | do | 10 56 | do | do | do |
| Dinning's Boom, Québec | do | do 25 250 | 76 | 10 00 | do | do | 15 00 | do | do | do |
| Rupert | do | do 25 127 | 64 | 5 08 | do | do | 10 08 | do | do | do |
| Reindeer | do | do 25 42 | 26 | 1 68 | do | do | 6 68 | do | do | do |
| Rover | do | do 25 13 | 9 | 0 52 | do | do | 5 52 | do | do | do |
| Lampson's Boom, Québec | do | do 25 16 | 11 | 0 64 | do | do | 5 64 | do | do | do |
| Randolph | do | do 25 15 | 7 | 0 60 | do | do | 5 60 | do | do | do |
| Hope | do | do 25 24 | 24 | 3 88 | Nov. 5 | do | 8 88 | do | do | do |
| Hector | Lévis | June 6 97 | 25 | 1 44 | do | do | 6 44 | do | do | do |
| H. C. Curtis | Québec | July 3 36 | 25 | 1 44 | do | do | 6 44 | Screw-propeller, tug, Québec Harbour. | do | do |
| Patrick Murphy | do | Sept. 28 10 | 4 | 0 40 | do | do | 5 40 | do | do | do |
| Eugenie | do | May 8 139 | 87 | 5 56 | do | do | 13 56 | do | do | do |
| Activity | do | do 8 15 | 6 | 0 60 | do | do | 5 60 | do | do | do |
| Providence | New Liverpool | do 21 133 | 26 | 5 32 | do | do | 10 32 | do | do | do |
| Rhoda | Lévis | April 23 182 | 59 | 7 28 | do | do | 12 28 | do | do | do |
| Aurelia | Québec | July 26 32 | 19 | 1 28 | do | do | 6 28 | do | do | do |
| Asilda | do | June 19 24 | 14 | 0 96 | do | do | 5 96 | do | do | do |
| Lady Forest | do | May 8 6 | 4 | 0 24 | do | do | 5 24 | do | do | do |

STEAM VESSELS Inspected for the Year ended 31st December, 1878—Quebec Division—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|-------------------------|-------------------------|--------------------|---------------------|----------------|---------------------|----------------|------------------|------------------|---------|--|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Fire-Fly..... | Quebec..... | J. W. Dunscomb... | June 5 | 28 | 18 | 1 12 | 5 | Nov 27 | 6 12 | Side-wheel, propeller, tug, Quebec Harbour. |
| St. Catherine..... | Lampson's Boom, Quebec. | do | do 10 | 8 | 5 | 0 32 | 5 | do 28 | 5 32 | Screw, propeller, do do |
| Kate..... | Quebec..... | do | do 3 | 24 | 16 | 0 96 | 5 | do 28 | 5 96 | do do do |
| Acadian..... | do | do | Nov. 5 | 939 | 596 | 37 56 | 5 | do 28 | 42 56 | do freight, Quebec and Picton, N.S. |
| Commodore Holtwell..... | do | do | do 5 | 9 | 3 | 0 36 | 5 | do 28 | 5 36 | Screw, propeller, tug, Quebec Harbour. |
| Swallow..... | do | do | do 5 | 3 | 2 | 0 12 | 5 | do 29 | 5 12 | do do do |
| G. R. Suiter..... | do | do | June 10 | 11 | 8 | 0 44 | 5 | do 29 | 5 44 | do do do |
| L. A. Sénécal..... | do | do | do 19 | 69 | 32 | 2 76 | 5 | do 30 | 7 76 | do do do |
| Victory..... | Lévis..... | do | do 14 | 42 | 15 | 1 68 | 5 | Dec. 3 | 6 68 | do do do |
| Victor..... | Quebec..... | do | do 5 | 35 | 18 | 1 40 | 5 | do 5 | 6 40 | do do do |
| Challenger..... | do | do | May 29 | 67 | 36 | Dues not paid. | | | | do do do |
| Royal..... | do | do | do 16 | 281 | 90 | do | do | do | | Side wheel, tug, Montreal and Quebec. |
| Albion..... | do | do | Sept. 20 | 171 | 108 | do | do | do | | do do do |
| Beaver..... | do | do | May 17 | 618 | 371 | do | do | do | | Side-wheel, passenger, Quebec and St. Jean des Châteaux. |

| | | | | | | | | | | |
|----------------------|-------------------------|----|----|-----|------|----|---------------------|--------|--------|---|
| Boston | do | do | do | 33 | 177 | do | do | do | do | Side-wheel, tug, Montreal and Quebec. |
| Clyde | do | do | do | 149 | 237 | do | do | do | do | Side-wheel, passenger, Quebec and Kamouraska. |
| Admiral D. D. Porter | do | do | do | 103 | 132 | do | do | do | do | Screw, propeller, tug, Montreal and Bic. |
| Ruby | do | do | do | 4 | 5 | do | 0 20 | 5 Dec. | 2 5 20 | Screw, propeller, tug, Quebec Harbour. |
| Canada | do | do | do | 19 | 144 | do | Dues not paid |  | ..... | Side-wheel, tug, Montreal and Quebec. |
| Contest | Lampson's Boom, Quebec. | do | do | 90 | 231 | do | do | do | ..... | Side-wheel, tug, Montreal and Gulf. |
| Eclipse | do | do | do | 33 | 216 | do | do | do | ..... | Side-wheel, tug, Montreal and Quebec. |
| Gatineau | Lampson's Boom, Quebec. | do | do | 79 | 175 | do | do | do | ..... | do |
| Hero | do | do | do | 131 | 209 | do | do | do | ..... | do |
| Helen | do | do | do | 85 | 135 | do | do | do | ..... | do |
| Mersey | do | do | do | 34 | 60 | do | do | do | ..... | Screw, propeller, tug, Quebec Harbour. |
| Progress | do | do | do | 267 | 690 | do | do | do | ..... | Screw, propeller, tug, Montreal and Gulf. |
| Scotchman | do | do | do | 56 | 89 | do | do | do | ..... | Side-wheel, tug, Montreal and Quebec. |
| Powerful | do | do | do | 125 | 199 | do | do | do | ..... | Side-wheel, tug, Montreal and Bic. |
| Ranger | do | do | do | 152 | 241 | do | do | do | ..... | do |
| St. Lawrence | do | do | do | 469 | 869 | do | do | do | ..... | Side-wheel, passenger, Quebec and Chicoutimi. |
| Saguenay | do | do | do | 654 | 1077 | do | do | do | ..... | do |
| St. Charles | do | do | do | 74 | 117 | do | do | do | ..... | Side-wheel, tug, Montreal and Quebec. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.—Quebec Division.—Concluded.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|------------------------|-------------------------|--------------------|---------------------|----------------|---------------------|---------------|--------------------|------------------|------------------|---------|--|
| | | | | | | \$ | cts. | | | | |
| Shannon..... | Lampson's Boom, Quebec. | J. W. Dunscomb... | May 20 | 64 | 29 | ..... | Dues not paid..... | ..... | ..... | ..... | Screw, propeller, tug, Quebec Harbour. |
| St. Andrew | Not running | Not inspected..... | ..... | 218 | 137 | ..... | do | ..... | ..... | ..... | Not running, nor inspected. |
| Conqueror, No. 1 | do | do ..... | ..... | 199 | 15 | ..... | do | ..... | ..... | ..... | do |
| Betsiamis..... | do | do ..... | ..... | 50 | 30 | ..... | do | ..... | ..... | ..... | do |
| Secret..... | do | do ..... | ..... | 466 | 293 | ..... | do | ..... | ..... | ..... | do |
| Mary..... | do | do ..... | ..... | 60 | 22 | ..... | do | ..... | ..... | ..... | do |
| Total, 103..... | ..... | ..... | ..... | 16711 | 8744 | 379 56 446 | ..... | 825 56 | ..... | ..... | ..... |

JOS. SAMSON,
Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1878.

MARITIME PROVINCES DIVISION.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|-----------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------|------------------|------------------|---------|---|
| | | | | | | \$ | cts. | | | | |
| Norman | St. John, N.B. | J. R. Ruel | Feb. 13 | 46 | 12 | 1 84 | 5 | 5 | Feb. 23 | 6 84 | Screw, tug, St. John, N.B. |
| Derigo | do | do | do | 57 | 21 | 2 28 | 5 | 5 | do 27 | 7 28 | do |
| St. John | do | do | March 8 | 47 | 32 | 1 88 | 5 | 5 | March 8 | 6 88 | do |
| St. George | do | do | do | 37 | 18 | 1 48 | 5 | 5 | do 11 | 6 48 | do |
| Victor | do | do | do | 29 | 9 | 1 16 | 5 | 5 | do 22 | 6 16 | do |
| Dominion | do | H. A. Hood | do | 574 | 380 | 40 18 | 8 | 8 | do 14 | 48 18 | Screw, passengers, St. John, N.B.; Yamouth, N.S.; Boston, U.S. |
| Goliath | Halifax, N.S. | Wm. Ross | do | 92 | 65 | 3 68 | 5 | 5 | do 26 | 8 68 | Screw, tug, Halifax, N.S. |
| Henry Hoover | do | do | do | 43 | 23 | 1 72 | 5 | 5 | do 26 | 6 72 | do |
| Venezia | do | do | do | 656 | 507 | 26 24 | 8 | 8 | do 26 | 34 24 | Sea-going, freight and passengers. |
| Newfield | Dominion | Steamer. | do | do | do | do | do | do | do | do | Screw, lighthouse service. |
| Glendon | do | do | do | do | do | do | do | do | do | do | Screw, lighthouse and buoy service. |
| Richard Doan | St. John, N.B. | J. R. Ruel | do | 70 | 48 | 2 80 | 5 | 5 | March 28 | 7 80 | Screw, tug, St. John, N.B. |
| Captain | do | do | do | 68 | 21 | 2 72 | 5 | 5 | do 28 | 7 72 | do |
| General | do | do | do | 159 | 24 | 6 36 | 5 | 5 | do 28 | 11 36 | Paddle |
| Starr | do | do | April 2 | 461 | 328 | 18 44 | 8 | 8 | April 6 | 26 44 | Paddle, passengers, River St John. |
| G. D. Hunter | do | do | do | 67 | 13 | 2 68 | 5 | 5 | do 2 | 7 68 | Screw, tug |

STEAM VESSELS Inspected for the Year ended 31st December, 1872.—Maritime Provinces Division.—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|---------------------|------------------------|--------------------|---------------------|-------------------|---------------------|---------------|------------------|------------------|---------|------------------------------------|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Admiral | St. John, N.B. | J. R. Ruel..... | April 3 | 158 | 99 | 6 32 | 5 | April 18 | 11 32 | Paddl g, ver St. John. |
| Hercules | do | do | do 4 | 87 | 24 | 3 48 | 5 | March 28 | 8 48 | Screw, tug do |
| Sunbury | do | do | do 6 | 184 | 109 | 7 36 | 5 | April 18 | 12 36 | d l g do |
| Ada G | do | do | do 6 | 102 | 31 | 4 08 | 5 | do 18 | 9 08 | do do |
| Lincoln | do | do | do 6 | 87 | 33 | 3 48 | 5 | do 18 | 8 48 | do do |
| Xanthus | do | do | do 10 | 64 | 23 | 2 56 | 5 | do 10 | 7 56 | Screw, tug do |
| Tiger | do | do | do 11 | 105 | 20 | 4 20 | 5 | March 28 | 9 20 | Paddle, tug, do |
| David Weston | do | do | do 12 | 765 | 552 | 30 60 | 8 | April 18 | 38 60 | do pass, do |
| May Queen | do | do | do 12 | 502 | 361 | 20 08 | 8 | do 18 | 28 08 | do do do |
| Fawn | do | do | do 17 | 621 | 457 | 24 84 | 8 | do 18 | 32 84 | do do do |
| Empress | do | do | do 20 | 929 | 660 | 37 16 | 8 | do 18 | 45 16 | do do Bay of Fundy. |
| Annie Stuart | Halifax, N.S. | Wm. Ross..... | do 30 | 35 | 21 | 1 40 | 5 | do 30 | 6 40 | Screw, steam yacht, Halifax, N.S. |
| Lady Head | do | do | do 30 | Dominion steamer. | | | | | | do light-house service. |
| Marysville | Fredericton, N.B. | A. F. Street..... | May 10 | 25 | 25 | 1 00 | 5 | do 30 | 6 00 | Paddle, ferry-boat, Fredericton. |
| Sarah H | do | do | do 10 | 81 | 81 | 3 24 | 5 | do 6 | 8 24 | do do do |
| Soulanges | do | do | do 10 | 318 | 200 | 12 72 | 8 | do 17 | 20 72 | do passenger, St. John River. |
| Wamborough | St. John, N.B. | J. R. Ruel..... | do 11 | 670 | 455 | 26 80 | 8 | do 20 | 34 80 | Screw, freight steamer. |
| Prince Arthur | do | do | do 11 | 544 | 342 | 21 76 | 8 | June 25 | 29 76 | Paddle, passenger, St. John River. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.—Maritime Provinces Division.—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Total. | Remarks. |
|---------------------|----------------------|---------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|--------|--|
| | | | | | | \$ | \$ | | \$ | |
| New Era..... | Newcastle, N.B..... | R. B. Haddow | June 14 | 54 | 43 | 2 16 | 5 | June 12 | 7 16 | Paddle, ferry, Newcastle, N.B. |
| Grip..... | do | do | do 14 | 3 | 2 | 0 12 | 5 | do 17 | 5 12 | Screw, yacht do |
| Derby..... | do | do | do 14 | 11 | 8 | 0 44 | 5 | July 2 | 5 44 | do tug boat, do |
| Relief..... | Chatham, N.B..... | D. Ferguson | do 15 | 76 | 17 | 3 04 | 5 | June 14 | 8 04 | do tug, Chatham, N.B. |
| Teaser..... | do | do | do 15 | 42 | 24 | 1 68 | 5 | do 14 | 6 68 | Paddle ferry do |
| St. Patrick..... | do | do | do 17 | 52 | 13 | 2 08 | 5 | do 14 | 7 08 | Screw, tug do |
| Laddie..... | do | do | do 17 | 42 | 28 | 1 68 | 5 | do 17 | 6 68 | do do |
| Gipsy..... | Bathurst..... | Wm. J. O'Brien..... | do 18 | 53 | 23 | 2 12 | 5 | do 29 | 7 12 | Paddle, tug, Bathurst, N.B. |
| Eastriding..... | Dalhousie..... | Wm. Montgomery.. | do 19 | 85 | 43 | 3 40 | 5 | do 19 | 8 40 | do Dalhousie, N.B. |
| Gladiator..... | Richibucto, N.B.... | J. Rush..... | do 20 | 70 | 37 | 2 80 | 5 | do 21 | 7 80 | Screw, tug, Richibucto, N.B. |
| Utopia..... | St. George, do..... | J. A. Moran | do 27 | 17 | 17 | 0 68 | 5 | do 3 | 5 68 | do St. George, do |
| Fred. Clinch..... | Musquash, do..... | J. R. Ruel..... | do 29 | 13 | 3 | 0 52 | 5 | May 20 | 5 52 | do Musquash, do |
| Enterprise..... | St. John, do..... | do | July 4 | 72 | 28 | 2 88 | 5 | June 26 | 7 88 | Paddle, ferry, Millidgeville, N.B. |
| Alida..... | Yarmouth, N.S.... | H. A. Hood..... | do 8 | 64 | 29 | 2 56 | 5 | July 6 | 7 56 | Screw, tug, Yarmouth, N.S. |
| G. W. Johnston..... | do | do | do 8 | 72 | 35 | 2 88 | 5 | do 6 | 7 88 | do do |
| Wm. Stroud | St. Stephen, N.B.... | H. Webber | do 17 | 229 | 156 | 16 03 | 8 | Jany. 26 | 24 03 | Screw, passenger, St. Stephen to Grand Manan Island. |
| Speck | St. John, N.S.... | J. B. Ruel..... | do 20 | 38 | 8 | 1 44 | 8 | 6 July 27 | 6 44 | Screw, tug, St. John River. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878—Maritime Provinces Division—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|-----------------------|------------------------|--------------------|---------------------|----------------|---------------------|---------------|--------------------------------|------------------|---------|----------------------------------|
| | | | | | | \$ cts. | \$ | | \$ cts. | |
| Chebucto..... | Halifax, N.S..... | Wm. Ross..... | Nov. 12 | 108 | 108 | 4 32 | 8 | Oct. 17 | 12 32 | Paddle, ferry, Halifax, N.S. |
| Sir C. Ogle..... | do..... | do..... | do 13 | 126 | 126 | 5 04 | 8 | do 17 | 13 04 | do do |
| A. C. Whitney..... | do..... | do..... | do 13 | 62 | 41 | 2 48 | 5 | Nov. 14 | 7 48 | Screw, tug do |
| Perseverance.. | Woodstock, N.B..... | D. F. Merritt..... | Not insp'd | 20 | 20 | ..... | Laid up, not in use..... | ..... | ..... | Paddle, ferry, Woodstock, N.B. |
| Frank..... | Summerside, P.E.I..... | C. W. Strong..... | do | 96 | 31 | ..... | do | ..... | ..... | do Summerside, P.E.I. |
| Edo..... | St. John, N.B..... | J. R. Ruel..... | do | 37 | 10 | ..... | do | ..... | ..... | Screw, tug, St. John, N.B. |
| Lion..... | Wallace, N.S..... | Wm. MacNab..... | do | 10 | 4 | ..... | do | ..... | ..... | do Wallace, N.S. |
| Wellington..... | Pictou, N.S..... | D. McDonald..... | do | 75 | 21 | ..... | do | ..... | ..... | Paddle, tug, Antigonish, N.S. |
| La Hève..... | Bridgewater, N.S..... | H. A. Harley..... | do | 48 | 32 | ..... | do | ..... | ..... | Screw, tug, Bridgewater, N.S. |
| Onangondy..... | St. John, N.B..... | J. R. Ruel..... | do | 294 | 98 | ..... | Laid up, repairing boiler..... | ..... | ..... | Paddle, ferry, St. John, N.B. |
| Scud..... | do..... | do..... | Nov. 7 | 481 | 286 | 19 24 | 8 | Nov. 30 | 27 24 | do passenger, Bay of Fundy, N.B. |
| Alpha..... | Pictou, N.S..... | D. McDonald..... | Dec. 12 | 36 | 25 | 1 44 | 5 | May 25 | 6 44 | Screw, tug, Pictou, N.S. |
| Daisy..... | Halifax, N.S..... | Wm. Ross..... | do 14 | 47 | 8 | 1 88 | 5 | Dec. 16 | 6 88 | do do Halifax, N.S. |
| Total, 108 Steamers.. | ..... | ..... | ..... | 15873 | 9997 | 619 93 | 577 | ..... | 1226 93 | ..... |

W.M. M. SMITH,
Deputy Chairman, Board of Steamboat Inspection.

STEAM VESSELS Inspected for the Year ended 31st December, 1878.

BRITISH COLUMBIA DIVISION.

169-3

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|---------------------|---------------------|--------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|---|
| Maudie..... | Victoria, B.C..... | Wymond Hamley.. | Jan. 14 | 213 | 156 | \$ 8 56 | \$ 8 | Jan. 29 | 16 56 | Passenger and freight, Victoria to Nanaimo. |
| Grappier..... | do | do | Feb. 11 | 186 | 128 | 7 44 | 8 | Feb. 12 | 15 44 | Passenger and freight, Victoria to Wrangle. |
| Etta White | do | do | March 18 | 98 | 83 | 3 92 | 5 | March 20 | 8 92 | Tug boat, Burrard Inlet. |
| Wilson G. Hunt..... | do | do | April 22 | 468 | 350 | 18 72 | 8 | April 23 | 26 72 | Passenger and freight, Victoria to New Westminster. |
| Glenora | New Westminster.. | Wm. Henry Lowe.. | do 26 | 193 | 149 | 7 76 | 8 | July 8 | 15 76 | Freight boat. |
| Royal City | do | do | do 26 | 439 | 322 | 17 56 | 8 | do 8 | 25 56 | Passenger and freight, New Westminster to Yale. |
| Reliance..... | do | do | do 26 | 314 | 216 | 12 56 | 8 | do 8 | 20 56 | do do |
| Emma..... | Victoria, B.C..... | Wymond Hamley.. | do 29 | 35 | 25 | 1 40 | 5 | June 3 | 6 40 | Freight and Tug. |
| Iris..... | do | do | May 4 | 19 | 13 | 0 80 | 5 | May 6 | 5 80 | Freight boat, Skeena River. |
| Cariboo Fly..... | do | do | do 20 | 302 | 232 | 12 08 | 8 | June 3 | 20 08 | Passenger and freight, Victoria to Nanaimo. |
| Alexander..... | do | do | do 25 | 332 | 192 | 13 28 | 8 | May 29 | 21 28 | Tug boat. |
| Nellie Taylor | do | do | do 27 | 6 | 4 | 0 24 | 5 | do 30 | 5 24 | Ferry boat, New Westminster. |
| Brunette..... | do | do | June 18 | 3 | 2 | 0 16 | 5 | June 20 | 5 16 | Freight boat, Fraser River. |
| Gertrude..... | Wrangle..... | Alex. Hunter..... | July 1 | 302 | 178 | 12 08 | 8 | July 8 | 20 08 | Passenger and freight, Stickeen River. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.—British Columbia Division—Continued.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|-----------------------|---------------------|--------------------|---------------------|---------------|---------------------|---------------|------------------|------------------|---------|---|
| | | | | | | \$ cts. | \$ | | \$ ct | |
| Leonora..... | Burrard Inlet..... | Isaac Johns..... | July 15 | 33 | 18 | 1 32 | 5 | July 16 | 6 32 | Passenger and freight, Burrard Inlet. |
| Leviathan..... | New Westminster.. | Wm. Henry Lowe. | do 20 | 28 | 19 | 1 16 | 5 | do 25 | 6 16 | Freight and tug, Fraser River. |
| Georgia..... | do | do | do 22 | 36 | 21 | 1 44 | 5 | do 25 | 6 44 | Freight boat do |
| Lady of the Lake..... | Deas Lake..... | Alex. Hunter..... | do 22 | 12 | 5 | 0 48 | 5 | Aug. 13 | 5 48 | Ferry boat, Deas's Lake, Cassiar. |
| Union..... | Burrard Inlet..... | Isaac Johns..... | do 22 | 39 | 26 | 1 56 | 5 | July 25 | 6 56 | Tug boat, Burrard Inlet. |
| N. Lily..... | do | do | do 22 | 9 | 4 | 0 36 | 5 | do 25 | 5 36 | Ferry boat, do |
| Maggie..... | New Westminster.. | Wm. Henry Lowe.. | do 23 | 72 | 49 | 2 88 | 5 | do 25 | 7 88 | Tug boat, do |
| Isabel..... | Victoria, B.O..... | Wymond Hamley.. | Aug. 9 | 446 | 339 | 17 84 | 8 | Sept. 9 | 25 84 | Passenger and freight, Victoria to Puget Sound. |
| Woodside..... | do | do | do 14 | 50 | 33 | 2 01 | 5 | do 11 | 7 04 | Passenger and freight, Victoria to Sooke. |
| Spallumcheen..... | Kamloops..... | do | do 25 | 54 | 51 | 2 20 | 5 | do 9 | 7 20 | Passenger and freight, Kamloop's Lake. |
| Victoria..... | Quesnelle..... | do | do 30 | 364 | 282 | 14 60 | 8 | do 9 | 22 60 | Passenger and freight, Soda Creek to Quesnelle. |
| Pilot..... | Victoria, B.O..... | do | Sept. 18 | 183 | 107 | 7 32 | 8 | do 24 | 15 32 | Tug boat. |
| Otter..... | do | do | do 21 | 289 | 230 | 11 56 | 8 | do 21 | 19 56 | Passenger and freight, Victoria to Wrangle. |
| Enterprise..... | do | do | do 28 | 542 | 442 | 21 72 | 8 | do 30 | 29 72 | Passenger and freight, Victoria to New Westminster. |

STEAM VESSELS Inspected for the Year ended 31st December, 1878.
MANITOBA DIVISION.

| Name of Vessel. | Port of Inspection. | Name of Collector. | Date of Inspection. | Gross Tonnage. | Registered Tonnage. | Tonnage Dues. | Inspection Fees. | Date of Payment. | Totals. | Remarks. |
|---------------------|---------------------|---------------------|---------------------|----------------|---------------------|---------------|------------------|------------------|---------|--|
| Lady Ellen..... | Lower Fort Garry. | Geo. B. Spencer.... | April 1 | 19 | 13 | \$ 1 33 | \$ 5 | April 1 | \$ 6 33 | Screw, passenger and freight, City of Winnipeg and Grand Rapids. |
| Swallow..... | do | do | do 12 | 38 | 33 | 2 66 | 5 | do 20 | 7 66 | Stern-wheel, passenger & freight, Red and Assiniboine Rivers. |
| Keewatin..... | do | do | do 16 | 25 | 23 | 1 75 | 5 | do 12 | 6 75 | Side-wheel, freight, Red and Assiniboine Rivers. |
| Prince Rupert..... | do | do | do 22 | 30 | 28 | 2 10 | 5 | March 28 | 7 10 | do do |
| Alpha..... | Winnipeg..... | do | do 25 | 180 | 114 | 12 67 | 5 | April 25 | 17 67 | Stern-wheel, passenger & freight, Red and Assiniboine Rivers. |
| Colville..... | Lower Fort Garry. | do | May 7 | 161 | 134 | 11 48 | 5 | do 12 | 16 48 | Twin-screw, freight, Lower Fort Garry and Grand Rapids. |
| Cheyenne..... | Winnipeg..... | do | June 13 | 136 | 86 | 9 52 | 5 | June 13 | 14 52 | Side-wheel, passenger and freight, Red and Assiniboine Rivers. |
| Adelaide..... | do | do | do 14 | 84 | 77 | 3 86 | 5 | do 15 | 8 36 | Side-wheel, ferry, City of Winnipeg and St. Boniface. |
| Northcote..... | Grand Rapids..... | do | do 27 | 461 | 291 | 32 27 | 5 | April 12 | 37 27 | Stern-wheel, freight, Grand Rapids and Edmonton. |
| Victoria..... | Winnipeg..... | do | Aug. 12 | 22 | 15 | 0 91 | 5 | Aug. 21 | 5 91 | Screw, tug, City of Winnipeg and Beren's River. |
| W. M. Robinson..... | do | do | do 19 | 110 | 74 | 4 40 | 5 | do 19 | 9 40 | Twin-screw, tug, City of Winnipeg and Winnipeg River. |
| Totals..... | | | | 1,269 | 888 | 82 45 | 55 | | 137 45 | |

EDWARD B. ABELL, Steamboat Inspector.

APPENDIX No. 3.

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going vessels in Canadian waters, and to Canadian Sea-going vessels, in other waters, from 1st January, 1878, to 31st December, 1878.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from.— Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|------------------|------|----------------------|--------------------------------------|-------------------|-------------------|---|------------------------------|------------------------|-------------|------------------------|--------------------------|
| 15 Feb. | 1 Abigail | 12 | Yarmouth, N.S. | Antwerp to Philadelphia, U.S. | Phila-Barque..... | 626 | Joe Flogger Break-water, Delaware, U.S. | Stranded..... | Chains parted. | ..... | Total.... | \$ 16,000 cargo 2,500 |
| Jan. ... | Alice Myrick.... | 10 | Charlottetown P.E.I. | Ganso, N. S., Greenock, G.B. | Schooner.... | 124 | Banks of Newfoundland. | Loss of sails. | Stress of weather. | .... | Partial.. | Trifling. |
| April 26 | Acorn | 11 | Windsor, N.S. | Cheverie, N.S., to Bangor, U.S. | do | 81 | Bay of Fundy..... | Drifted on a rock in a calm. | Current ..... | ..... | Total ... | 1,200 cargo 75 |
| Mar. ... | Arcic | 12 | Parrsboro, N.S. | Wilmington, U.S. to Porto Rico, W.I. | Brigantine... | 266 | Nassau, New Providence. | Stranded on bar. | Error of judgment. | ..... | do ... | 5,000 |
| do 10 | Alhol Cran..... | 2 | Halifax, N.S.... | Halifax, N.S. to Matanyas, W.I. | do ... | 237 | North Rock, Bahama Bank, W.I. | Stranded ... | Current ..... | ..... | Partial.. | 2,800 |
| do 19 | Americana..... | 21 | St. John, N.B.. | Darien, U.S., to Glasgow, G.B. | Glas-Saip.. .. | 1046 | Sapelo Island, Doby, U.S. | do | Tug cast off the ship. | ..... | Total ... | 15,000 |
| May 6 | Adriatic..... | 22 | Alloa..... | London, G.B., to Quebec. | to Barque..... | 796 | 20 miles S.E. of S.W. Point, Anticosti | do | Fog ..... | ..... | Partial.. | 4,000 |

STATEMENT OF WRECKS AND CASUALTIES TO SEA-GOING VESSELS.—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from — Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|-----------------|-------|-----------------------|---------------------------------------|----------------|-------------------|---|---|---------------------------|-------------|------------------------|-----------------|
| Unkn'n | Assyrian | 4 1/2 | Charlottetown, P.E.I. | New York, U.S., to Queenstown, G.B. | Barque..... | 492 | Atlantic Ocean..... | Nothing heard of the vessel since sailg | ..... | 10 | Total ... | \$ 20,000 |
| May 16 | Advocate | 4 | Windsor, N.S. | New York, U.S., to Dunkirk. | do | 634 | 100 miles S.E. of Sandy Hook, Atlantic Ocean. | Heavy sea... | Dismasted..... | ..... | do ... | 20,000 |
| June 13 | A. F. Randolph | 11 | St. John, N.B. | Barbadoes, W.I., to St. John, N.B. | Schooner... .. | 155 | Near Darke Harbour, Grand Mar- nan. | Stranded... .. | Error of judg- ment, | ..... | Partial.. | 2,300 |
| do 23 | Antwerp..... | 4 | do | Galway, Irl'd, to St. John, N.B. | Barque..... | 573 | Off Brier Island, Bay of Fundy. | Collision | Fog... .. | ..... | do ... | 1,200 |
| July 14 | Annie W..... | 8 | do | Bathurst Harbour, N.B. | Schooner..... | 81 | Bathurst Harbour, N.B. | Stranded... .. | Parted chains..... | ..... | Total ... | 3,000 |
| do 18 | A. C. Major.... | 15 | Liverpool, N.S. | St. John to Boston, U.S. | do | 99 | 80 miles S.W. of Cape Sable, N.S. | Loss of masts | Squall..... | ..... | Partial.. | 1,300 |
| Aug. 19 | Addie & Nellie | 5 | St. John, N.B. | New York, U.S., to St. John, N.B. | do | 148 | Heart's Point, Newfoundland. | Stranded... .. | Strong current heavy sea. | ..... | Total ... | 6,000 |
| Sept. 6 | Adria... .. | 8 | Parrsboro, N.S. | St. John, N.B., to Queenstown, Irl'd. | do | 118 | West side of Gan- ret Rock Ledge. | do | Thick fog and drifted. | ..... | do ... | 2,500 cargo 264 |
| July 10 | Alice May | 17 | Yarmouth, N.S. | Yarmouth, N.S., to Cape Breton, N.S. | do | 22 | Wining P'nt Beach Cape Breton, N.S. | do | Thick fog..... | ..... | do ... | 1,600 |
| do 28 | Alex. McKenzie | 11 | Shelburne, N.S. | Lockport, N.S., to Barbadoes, W.I. | do | 53 | Lat. 41° 38' N. Lon. 64° 28' W. | Rotten Main- mast. | ..... | ..... | Partial.. | 120 |

| Sept | 14 | Arichat, N.S., Boston, U.S., to Arichat, N.S. | do | 114 | Green Island, off Stranded, Cape Sabie Isl'd, U.S. | Thick fog and hoodlums setting vessel on shore. | Total | 1,200 |
|-------|-------|--|----|------|--|---|----------|-------------|
| do | 28 | New Ross, Ivesland, Glasgow, G.B., to Quebec. | do | 463 | Off Bellechasse Light. | Error of judgment. | Partial. | 2,400 |
| do | 26 | Arab Steed, Sweden, New York U.S., to Amsterdam. | do | 635 | Lat. 40° N., Lon. 63 W. | Stress of weather. | do | 5,000 |
| do | 3 | Acme, Bristol, G.B., to Quebec. | do | 1119 | Middle Ground Traverse, River St. Lawrence. | Error of judgment. | do | Trifling. |
| Oct. | 23 | Anglo-America, St. John, N.B., Callao, S.A., to Falmouth, G.B. | do | 1533 | During the voyage | Damaged at sea. | do | Not known. |
| do | 10 | A. Talbot, Quebec, to Cape Charles, Labrador | do | 86 | Red Island, Labra-dot. | Stranded. | Total | 8,000 |
| do | 19 | America, Sligo, Ireland, to Quebec. | do | 233 | Near Point St. Lawrence, River St. Lawrence. | do | Partial. | 100 |
| Sept. | 16 | Anglo, St. John, N.B., St. John, N.R., to Queenstown, Ireland | do | 307 | Lat. 40° 20' N., Lon. 55° 66' W. | Dismasted & leaky. | Total | 6,000 |
| Nov. | 9 | Aura, Jersey, G.B., Gaspé, P.Q., to Rio Janeiro, S.A. | do | 93 | Hurly Barly, P.Q. | Stranded. | do | 7,500 |
| do | 1 | Alpha, Arichat, C.B., St. Johns, Nfld., to Cow Bay, N.S. | do | 133 | 12 miles east of Cape Ray, Nfld. | do | do | 2,500 |
| do | 28 | Aloyone, Halifax, N.S., Campbellton, Bras d'Or, C.B., to Halifax, N.S. | do | 66 | Little Harbour, N.S. | do | do | 1,800 |
| Aug. | 5 | Alice Muir, Shelburne, N.S., Monte Video to Port Louis, Mauritius. | do | 479 | Port Louis, Mauritius. | Burnt. | Partial. | Not known. |
| Oct. | 11 | Artemis, Tonsberg, Norway, Quebec Harbour | do | 562 | Quebec Harbour | Collision. | do | 25 |
| Sept. | ..... | Alex. Keith, St. John, N.B., Baltimore to Bordeaux. | do | 629 | During the voyage | Loss of sails & b'warks. | do | 3,500 |
| Nov. | 20 | Annie B, do, Charlottetown, P.E.I., to New York, U.S. | do | 96 | Ship Harbour Bay, N.S. | Stranded. | Total | 4,000 |
| | | | | | | | | cargo 1,960 |

STATEMENT of Wrecks and Casualties to Sea-going Vessels.—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from — Port bound to. | Rig. | Register Tonnage. | Place Where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|-----------------|------|------------------------|--|---------------|-------------------|--|-----------------------------|--------------------------------|-------------|------------------------|------------------------------|
| Oct. 13 | Anita | 5 | American..... | Sackville, N.B. to Schooner .. Crookhaven, G.B. | ... | 178 | Lat. 43° 28' N., Lon. 61° 56' W. | Dismasted & abandoned | Stress of weather. | ..... | Total ... | \$ 3,800 cargo not known. |
| Nov. 5 | Artemis | 13 | Tonsberg, Nor- way. | Quebec to London, G.B. | Barque | 562 | L'Islet, P.Q..... | Loss of anchors and chains. | do ..... | ..... | Partial.. | 1,479 |
| Dec. 2 | Archangelo ... | 7 | Genoa, Italy... | New York, U.S. to Gloucester, G.B. | do | 634 | Lat. 38° 5' N., Lon. 68° 20' W. | Damaged at sea. | do ..... | ..... | do ... | 10,000 |
| do | Armauilla..... | 10 | St. John, N.B. | St. John, N.B., on fishing voyage. | Woodboat... | 63 | 1 mile west of Point Light, Deadman's Har- bour, N.B. | Stranded... | do ..... | ..... | Total ... | 450 cargo 33 |
| Nov. 13 | A. Carcand..... | 10 | New P.Q. | Cape Canso to St. Pierre Miquelon. | Schooner | 69 | Madame Island, C.B. | do | Fog..... | ..... | do ... | 1,800 cargo 4,000 |
| Dec. 21 | Ancona..... | 7 | St. John, N.B. | Portland, U.S. to New York, U.S. | do .. | 161 | Fort Snell, Marble Head, U.S. | do | Error of judg- ment. | ..... | do ... | 5,000 cargo 2,700 |
| Nov. 9 | Albion | 4 | Liverpool, N.S. | Annapolis, N.S. to London, G.B. | Barquentine. | 281 | Lat. 47° 22' N., Lon. 52° 47' W. | Abandoned. | Leaky..... | ..... | do ... | 11,240 bargo 6,500 |
| Oct. 6 | Ada Fulton..... | 4 | Halifax, N.S. | Cow Bay, C.B. to St. Jago de Cuba. | Brigantine... | 182 | Lat. 37° 27' N., Lon. 69° 22' W. | do | Stress of wea- ther & leaky | ..... | do ... | 9,000 cargo 1,275 |
| Feb. 11 | Beauty | 13 | St. John, N.B. | Moville, Ireland to St. John, N.B. | Brigantine .. | 294 | Lat. 41° 56' N., Lon. 48° 50' W. | Spring a leak. | Stress of wea- ther. | ..... | do ... | 8,000 |
| Jan. 8 | Blanche..... | 13 | Liverpool, N.S. | Pascagoula, N.S. to Barbadoes, W.I. | do .. | 220 | Lat. 17° N., 53° 30' W. | Foundered.. | do ..... | ..... | do ... | 5,000 cargo 2,000 |

| Date | Ship Name | Origin | Destination | Incident | Location | Details | Persons | Goods | Notes |
|---------|---------------|--------------------|----------------------------|-----------------------|---|---------|---------|-------------|-------|
| April 5 | Barbara | Dublin, Ireland | Limerick, Ireland | Stranded | St. Paul's Island | 229 | do | do | do |
| June 24 | Beta | Lunenburg, N.S. | Boston, U.S. | do | Rose Head, N.S. | 155 | do | do | do |
| do | Belle | do | Mobile, U.S. | Dismasted & abandoned | Gulf of Florida, U.S. | 108 | do | do | do |
| do | B. Hilton | Yarmouth, N.S. | Bristol, G.B. | Collision | 54° W, Lat. 44° N. | 386 | do | do | do |
| Oct. | Belle Barbour | St. John, N.B. | St. John, N.B. | Stranded | Whales Cove, Campbell's, N.B. | 91 | Total | 2,500 cargo | 1,000 |
| Aug. | Bienheim | Exeter, G.B. | Newport, G.B. | do | River St. Lawrence, Montreal, P.Q. | 1307 | do | do | do |
| July 12 | Bavelau | Newcastle, G.B. | Quebec to London, G.B. | do | St. Vallier, River St. Lawrence. | 1027 | do | do | do |
| Oct. | Barcelona | new Dundee, G.B. | Cadiz, Spain | do | Isle aux Monts, Cape Ray, Nfld. | 1216 | do | do | do |
| do | Bright Star | St. John, N.B. | Manzanilla, W.I. | do | Stranger's Key, Bahamas, W.I. | 180 | do | do | do |
| do | Bessie Crosby | Yarmouth, N.S. | Baltimore, U.S. | Loss of sails | 681 Lat. 33° N, Lon. 57° 30' W. | 681 | do | do | do |
| Aug. | Bessie Crosby | do | Shelburne, N.S. | Collision | Annapolis | 681 | do | do | do |
| Oct. | Birdstow | Windsor, N.S. | Wilmington, U.S. | Loss of sails | 453 Lat. 41° N, Lon. 51° W. | 453 | do | do | do |
| Jan. | Carleton | new Halifax, N.S. | St. John, Porto Rica | Stranded | 104 1/2 miles S.W. of Arago, Porto Rica | 104 1/2 | Total | 8,000 cargo | 6,000 |
| May | Chebucto | Windsor, N.S. | Rotterdam to Halifax, N.S. | do | Black Rock, Ketch Harbor, N.S. | 802 | do | do | do |
| do | Commodore | Aberdeen, Scotland | Quebec to Aberdeen, G.B. | Collision | Indian Cove, River St. Lawrence. | 562 | do | do | do |

STATEMENTS OF WRECKS AND CASUALTIES TO SEA-GOING VESSELS—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from— Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|------------------|------|---------------------|---------------------------------------|------------------|-------------------|--|---------------------|--------------------|-------------|------------------------|------------------------|
| May 8 | Canada | 37 | Cork, Ireland. | Cork, Ireland, to Quebec. | to Barque..... | 779 | White Island Reef, River St. Lawrence. | Stranded..... | Current ..... | ..... | Partial.. | \$ 600 |
| June 23 | Confederate.... | 10 | Digby, N.S..... | Philadelphia, U.S., to St. John, N.B. | to Brigantine... | 221 | Brier Island, bore N.N.E. about 20 miles, Atlantic Ocean | Collision..... | Dense fog | 3 | Total.... | 4,500 cargo 955 |
| May 29 | Gambrian. | 13 | St. John, N.B. | Pabellon de Pica to Cork, Ireland. | to Ship..... | 1124 | Lat. 49° S.; lon. 88° W. | Foundered... | Stress of weather. | 3 | do ... | 25,000 cargo Not known |
| July 8 | Chas. Edwards | 13 | Montreal, P.Q. | Montreal to Quebec. | Barge | 114 | St. Jean de Chailons, P.Q. | Stranded..... | Stormy..... | ..... | do ... | 500 |
| Mar. 11 | Carleton..... | 7 | Yarmouth, N.S. | Brouse, Ireland, to Hamburg. | to Barque..... | 742 | Brouse's Island..... | do | Stress of weather. | ..... | do ... | 30,000 |
| Sept. 7 | Campsie Glen | 4 | North Shields, G.B. | Shields, G.B., to Montreal, P.Q. | do | 490 | Quebec Harbor..... | Collision..... | Tow line parted | ..... | Partial.. | Trifling. |
| Aug. 20 | Cedar Cross... | 1 | St. John, N.B. | London, G.B., to New York. | do | 1098 | During the Voyage | Loss of sails | Stress of weather. | ..... | do ... | 600 |
| Sept. 30 | Cybele | 4 | Glasgow, G.B. | London, G.B., to Montreal. | to Steamer..... | 1278 | Belle Chasse, River St. Lawrence. | Collision..... | Error of judgment. | ..... | do ... | Trifling. |
| Aug. 16 | City of Mantowoc | 3 | Racine, Wisconsin. | Quebec to Liverpool, G.B. | Schooner..... | 310 | 10 miles south of West Point, Antigua. | Stranded..... | Fog..... | ..... | do ... | 3,000 cargo 3,000 |

| No. | Date | Commercer | Ship | Origin | Destination | Event | Result | Value |
|-----|---------|-------------------|----------------------|--|-------------|-------------------------|---------|-------------|
| 1 | Oct. 26 | Commerce | Shelburne | Philadelphia, U.S. | to Ship | Collision | do | do |
| 4 | do | Comrade | Halifax, N.S. | Halifax, N.S. to Jamaica, W.I. | Disasted | Stress of weather | do | 5,000 cargo |
| 9 | Dec. 10 | Celt | St. John, N.B. | St. John, N.B. on fishing voyage | Stranded | Stress of weather | do | 400 cargo |
| 10 | Nov. 5 | Centreville | Charlottetown P.E.I. | Cardigan, P.E.I. to Halifax, N.S. | do | Error of judgment | do | 450 cargo |
| 19 | do | Carmenta | do | Queenstown, G.B. to Gut of Canso, N.S. | do | Dragged anchors | Partial | Not known |
| 7 | July 4 | Cosmopolis | St. John, N.B. | Rio Janeiro to Calleo | Ship | Error of judgment | Total | 45,000 |
| 21 | Sept. 3 | Countess of Minto | London, G.B. | London, G.B. to Quebec | do | do | Partial | Trifling |
| 7 | Dec. 7 | Caledonia | Windsor, N.S. | Yarmouth, N.S. to Hantsport, N.S. | do | do | 6 Total | 3,000 |
| 20 | do | Conquest | St. John, N.B. | Halifax, N.S. to PortCaledonia, N.S. | do | Stress of weather | do | 2,000 |
| 3 | Mar. 2 | D. M. Dickie | Windsor, N.S. | New York, U.S. to Leith, G.B. | do | Abandoned at sea | do | 17,000 |
| 4 | May 11 | Dolphin | Charlottetown P.E.I. | Rusico, P.E.I. to Magdalen Islands | Stranded | Error of judgment | do | 500 |
| 2 | Mar. 8 | Danneb | St. John, N.B. | Liverpool, G.B. to St. John, N.B. | do | Parted chains | do | 32,000 |
| 13 | do | D. M. Smith | New Weymouth, N.S. | St. John, N.B. to Weymouth, N.S. | do | Heavy wind & dark night | do | 1,000 |
| 5 | July 16 | Derwent | London, G.B. | Cardif, G.B. to Montreal | do | Fog | Partial | Trifling |

Nov. 19 *Quilivester*..... 4 *Montreal, P.Q. Montreal to Three Rivers*
 Oct. 26 *Commerce*..... 1 *Shelburne, S. Philadelphia, U.S. to Ship*
 do 4 *Comrade*..... 10 *Halifax, N.S. to Jamaica, W.I.*
 Dec. 10 *Celt*..... 9 *St. John, N.B. on a Schooner*
 Nov. 5 *Centreville*..... 10 *Charlottetown P.E.I. to Halifax, N.S.*
 do 19 *Carmenta*..... 3 *do*
 July 4 *Cosmopolis*..... 7 *St. John, N.B. Rio Janeiro to Calleo*
 Sept. 3 *Countess of Minto*..... 21 *London, G.B. to Quebec*
 Dec. 7 *Caledonia*..... 7 *Windsor, N.S. Yarmouth, N.S. to Hantsport, N.S.*
 do 22 *Conquest*..... 20 *St. John, N.B. Halifax, N.S. to PortCaledonia, N.S.*
 Mar. 2 *D. M. Dickie*..... 3 *Windsor, N.S. New York, U.S. to Leith, G.B.*
 May 11 *Dolphin*..... 4 *Charlottetown P.E.I. to Magdalen Islands*
 Mar. 8 *Danneb*..... 2 *St. John, N.B. Liverpool, G.B. to St. John, N.B.*
 do 13 *D. M. Smith*..... 13 *New Weymouth, N.S. St. John, N.B. to Weymouth, N.S.*
 July 16 *Derwent*..... 5 *London, G.B. Cardif, G.B. to Montreal*

14

STATEMENT of Wrecks and Casualties to Sea-going Vessels.—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from.— Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|------------------|-----------|-------------------|---|---------------|-------------------|--------------------------------|--|--------------------|-------------|------------------------|---------------|
| July 3 | D'vd Malcolmson. | 14 | Liverpool, G.B. | Liverpool, G.B., to St. John, N.B. | to Barque | 1213 | Grand Manan, Bay of Fundy. | Stranded | Fog | ..... | Partial. | \$ 1,800 |
| Aug. 29 | Daddy | Not known | Miramichi, N.B. | Tracadie, N.B., to Chatham, N.B. | to Schooner | 56 | Outer Bar, Miramichi, N.B. | do | Leaky | ..... | do | 400 cargo 360 |
| Oct. 8 | Dom Pedro | 9 | St. John, N.B. | At Wharf, St. John, N.B. | do | 61 | At Wharf, St. John, N.B. | Damaged by Abutment fall of deals on deck. | Stress of weather. | ..... | do | 700 |
| do | Delma C. | 3 | Digby, N.S. | Bear River, N.S., to Barbadoes, W.I. | to Brigantine | 236 | Lat. 37° N., Lon 62° 30' W. | Dismasted | Stress of weather. | ..... | do | 3,000 |
| Nov. 12 | Digby | 20 | Yarmouth, N.S. | St. John, N.B., to Yarmouth, N.S. | to Schooner | 55 | Victoria Dock, St. John, N.B. | Capsized at low water. | List to port. | ..... | do | 300 cargo 650 |
| Dec. 22 | Daystar | 14 | Windsor, N.S. | Hall's Harbour, N.S., to St. John, N.B. | do | 46 | Quaco Beach, N.B. | Stranded | Fog | ..... | Total | 500 |
| Jan. 11 | Emily Raymond. | 6 | St. John, N.B. | Dublin, Ireland, to St. John, N.B. | to Barkentine | 291 | Vineyard Haven, U.S. | do | Chains parted | ..... | Partial. | Trifling |
| do | Eliza A. | 6 | Halifax, N.S. | Laid up | Schooner | 39 | Spry Bay, N.S. | Fire | Unknown | ..... | do | 630 |
| April 24 | Enoch Train | 24 | Glasgow, G.B. | Greenock, G.B., to Quebec. | to Ship | 1779 | Labrador coast | Collis'n with ice. | Ice | ..... | do | 400 |
| May 6 | Eva | 19 | Belfast, Ireland | Belfast, Ireland, to Chatham, N.B. | to Barque | 499 | Gulf of St. Lawrence, Canada. | Collision | Thick fog | ..... | do | 700 |
| June 23 | Emily Babine | new | Weymouth, N.S. | Martique, W.I., to Yarmouth, N.S. | to Schooner | 90 | Yarmouth Harbour, N.S. | do | Not known | ..... | do | 200 |

| Aug. 20 | E. L. Hammond. | Halifax, N.S. | Charlottetown, P.E.I. to Margaree, C.B. | do | 57 Chimney Corner | Stranded | Stress of weather. | Total | 1,700 |
|---------|--------------------|---------------------|---|----------|---|---|-------------------------------------|----------|---------------------|
| do | 22 Emma J. Shanks. | 6 St. John, N.B. | Halifax, N.S. to Port Caledonia, C.B. | do | 135 Aspé Bay, Cape North, Cape Breton, N.S. | do | Parted both chains and drove ashore | do | 6,500 |
| do | 22 Emma | 7 Norwegian | London, G.B. to Philadelphia, U.S. | do | 506 N.E. Bar of Sable Island, N.S. | do | Fog | do | 20,000 |
| do | 28 Emily Babine | 1 Weymouth, N.S. | Gandaloup, W.I. to Yarmouth, N.S. | do | 90 Lat 31° 14' N., Lon. 66° 20' W. | Dismasted & abandoned | Stress of weather. | do | 6,000 |
| Oct. | 5 Emily | 6 Swansea, G.B. | Charleston, U.S. to Newcastle, G.B. | do | 192 Lat. 32° 44' N., Lon. 69° 10' W. | do | do | do | 10,000 cargo 2,500 |
| Aug. | 11 Eveline | 15 Greenock, G.B. | Leith, G.B. to Quebec. | do | 779 Lat. 51° N, Lon. 48° W. | Collis'n with an iceberg. | with Fog | Partial. | 2,000 |
| Oct. | England | 7 Quebec | Montreal to Quebec. | Schooner | 74 Montreal | Collision | Current | do | 250 |
| do | Eulalie | new Shelburne, N.S. | Montego Bay, W.I. to Inaguas, W.I. | do | 125 15 miles S. end of Cuba, W.I. | Dismasted | Hurricane | do | Not known. |
| Aug. | 24 Emma | do Lunenburg, N.S. | Lunenburg, N.S. to Ponce, Porto Rico. | do | 166 22 miles S.E. of Cross Island, N.S. | Collision | Carelessness on part of 'Worcester' | Partial. | 600 |
| Oct. | Eunice | 14 Ardrossan, G.B. | Richibucto, N.B. to Clyde, G.B. | do | 147 Near Cape St. Lawrence. | Spring leak | Stress of weather. | do | 400 |
| Nov. | 18 Emblem | 6 Yarmouth, N.S. | Louisburg, N.S. to Yarmouth, N.S. | Schooner | 59 10 miles S. of Shelburne Light, N.S. | Foundered | do | Total | 1,500 cargo 3,500 |
| Oct. | 12 Edith Troop | 6 St. John, N.B. | New York, U.S. to Antwerp. | Ship | 1233 Lat. 38° 25' N., Lon. 70° W. | Thrown on beam ends and badly strained. | Hurricane | Partial. | 15,000 cargo 20,000 |
| do | 25 Emily Lowther. | 8 Yarmouth, N.S. | Belfast, Ireland to Delaware Breakwater, U.S. | Barque | 762 Not known | Loss of spars and sails. | Stress of weather. | do | 280 |
| Dec. | 11 Elysia A. | 1 St. John, N.B. | Mary's Point, N.B. to Boston, U.S. | Schooner | 86 Mary's Point, Albert Co., N.B. | Stranded | do | Total | 4,000 cargo 600 |

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from— Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Lost. | Amount. |
|-------------------|-----------------|------|-----------------------|--|---------------|-------------------|---|---|--------------------|-------------|------------------------|-------------------------|
| Dec. 22 | Ellen..... | 13 | St. John, N.B. | Machiasport to New Haven, Conn. | Schooner.... | 120 | S. E. Pt. Duck Island, Me. | Stranded..... | Snow storm.... | ..... | Total.... | \$ 2,500 cargo 1,475 |
| Jau. 14 | Flamborough.. | 10 | Quebec..... | Cow Bay, C.B., to New York, U.S. | Steamer..... | 456 | Hell Gate, Long Island Sound, U.S. | do | Fog..... | ..... | Partial.. | No loss. |
| do | Free Trade..... | 11 | St. John, N.B. | St. John, N.B., to Barbadoes, W.I. | Schooner..... | 133 | Dipper Harbor, N.B. | do | Stress of weather. | ..... | Total.... | 2,500 |
| do | Fleetwood..... | 4 | Charlottetown, P.E.I. | Bermuda to Charlottetown, P.E.I. | Brigantine.. | 181 | S. E. end of Peter's Island, P.E.I. | do | Darkness..... | ..... | ..... | No damage. |
| May 12 | Fred C. Holden | 6 | Tremont, Maine, U.S. | Eastport, Maine, to Windsor, N.S. | Schooner.... | 137 | Wentworth Landing ground, Windsor, N.S. | Damaged by Wharf. | Ran against wharf. | ..... | Partial.. | 800 |
| Notkn'n | Frioso..... | 4 | Norwegian..... | New York, U.S., to Copenhagen. | Barque..... | 430 | Lat. 40° 33' N., Lon. 66° 5' W. | Heavy squall or water-sprout. | Stress of weather. | ..... | do | 3,000 |
| June..... | Forest..... | 11 | Annapolis, N.S. | Boston, U. S., to Bridgetown, N.S. | Schooner.... | 66 | Off Cashie's Ledge, U. S. | Foremast head carried away with the mainmast. | ..... | ..... | do | 400 |
| July 14 | Friga..... | 12 | Liverpool, G.B. | Quebec to Liverpool, G.B. | Ship..... | 1134 | Manicougan Shoal, Gif. St. Lawrence. | Stranded.... | Error of judgment. | ..... | do | Not known. cargo, none. |
| Notkn'n | Fisteno..... | new | Weymouth, N.S. | St. John, N.B., to Meteghan, N.S. | Schooner.... | 26 | Trout Cove, N.S. | do | Stress of weather. | ..... | do | 250 cargo, 250 |
| June 6 | Fanny..... | 1 | Charlottetown, P.E.I. | Charlottetown, P.E.I., to Bala Verte, N.B. | Brigantine.. | 299 | St. Peter's Island, P.E.I. | do | Error of judgment. | ..... | do | 800 |

| Month | Day | Ship Name | Origin | Destination | Latitude | Longitude | Weather | Incident | Result | Value |
|-------|-----|-------------------|--------------------|---------------------------|---------------------------------|-----------|---------------|---|---------|----------------------|
| May | 30 | Frances | St. John, N.B. | St. John, N.B. | 52° N. | 141° W. | Heavy weather | | do | 370 |
| Oct. | 20 | Freeman Dennis | Yarmouth, N.S. | Bristol, G.B. | Atlantic Ocean | 808 | Heavy gales | Sprung a leak | do | 16,000 |
| Aug. | 24 | Free Trade | St. John, N.B. | St. John, N.B. | 31° N., 71° W. | 133 | Stranded | Missstayed | do | 2,000 |
| Oct. | 6 | Freddie C. Ebbett | St. John, N.B. | Havana, W.I. | Atlantic Ocean | 259 | Abandoned | Hurricane | Total | 16,000 cargo, 3,000 |
| Nov. | 4 | Four Brothers | Sydney, N.S. | Casampec, P.E.I. | Glasgow Head, Canso, N.S. | 104 | Stranded | Error in judgment | Partial | Unknown |
| Oct. | 6 | Florence | Annapolis, N.S. | Savannah, U.S. | 31° N., 75° 45' W. | 318 | Burnt | Not known | Total | 9,000 cargo, 3,000 |
| Nov. | 25 | Frank H. Wilson | Yarmouth, N.S. | Portland, Boston, U.S. | Bemo Ledge, Cape Ann. | 33 | Stranded | Current | do | 1,600 cargo, 4,000 |
| Notkn | n | Glennala | do | Baltimore, U.S. | Not known | 771 | Missing | Not known | do | 24,000 cargo, 20,000 |
| do | do | Garden Island | Kingston, Ont. | London, G.B. | Norfolk, U.S. | 888 | Collision | Award of handling of the "Harry Langdale" | Partial | 840 |
| July | 2 | Glad Tidings | United States | Percé, P.Q. | Big Shippegan Gully, N.B. | 50 | Stranded | Thick fog | do | 500 |
| Sept. | 28 | Goatfell | Greenock, G.B. | Montreal, P.Q. | Off Bellechasse, St. Lawrence | 715 | Collision | Error in judgment | do | 411 |
| do | 7 | Germanic | new | Quebec to Liverpool, G.B. | Quebec Harbour | 1295 | do | Hawser parted | do | 70 |
| Oct. | 6 | Gratitude | Littlehampton G.B. | Bull River, S.C., U.S. | 39° 55' N., 65° W. | 544 | Leaky | Stress of weather | do | 5,000 |
| Sept. | 4 | Geo. Gilroy | Greenock, G.B. | Greenock, G.B. | Upper Traverse, St. Lawrence | 1084 | Collision | Error of judgment | do | 12 |
| Dec. | 10 | Glendora | Arichat, N.S. | West Arichat, C.B. | Entrance to Canso Harbour, N.S. | 42 | Stranded | do | Total | 600 |
| do | 4 | Grace Girdler | Halifax, N.S. | Clyde, Scotland | Off the Isle of Demerars, B.G. | 187 | Sprung a leak | Unknown | Partial | Unknown |

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from. — Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|------------------|-------|--------------------|--------------------------------------|--------------|-------------------|--|-------------------------------------|---|-------------|------------------------|----------------------|
| Jan. 8 | Heiress..... | 6 | Digby, N.S..... | Bear River, N.S., to Barbadoes, W.I. | Schooner.... | 171 | On Flats below Victoria Bridge. | Burnt..... | Heating anchor stock with a fire on deck. | ..... | Total ... | \$ 5,000 cargo 1,550 |
| July 27 | Harmonides ... | 21 | St. John, N.B. | Havre, France, to St. John, N.B. | Ship..... | 1564 | Gulliver's Hole, near Digby, N.S. | Stranded.... | Stress of weather. | ..... | do ... | 20,000 |
| June 22 | Harriet Chase | 5 | do ... | St. John, N.B., to New York, U.S. | Schooner.... | 50 | Off Cape Cod, U.S. | Waterlogg'd | do ... | ..... | Partial.. | 190 cargo 200 |
| Aug. 27 | Hebe..... | 22 | Porsgrund, Norway. | Antwerp to St. John, N.B. | Barque | 748 | South-West Bay of Fundy. | Wolf, Stranded.... | Dense fog and error of judgment in pilot | ..... | Total ... | 13,000 |
| Oct. 8 | Hirondelle..... | 13 | St. John, N.B. | Tracadie, N.B., to Chatham. | Schooner.... | 753 | 3 miles east from Tabusintac, N.B. | Disasted ... | Stress of weather. | ..... | Partial.. | 85 cargo 200 |
| Nov. 24 | Howard..... | ..... | Halifax, N.S.... | Londonderry, N.S., to St. John, N.B. | Barque | 1046 | Tide Warth, 3 miles below Albert River, N.S. | Stranded.... | Strong tides.... | ..... | do .. | 250 |
| Dec. 3 | H.H. McCurdy | 5 | do ... | Port Hood, N.S., to Halifax, N.S. | Schooner.... | 72 | Smith's Island, Pt. Hood, N.S. | do | Dragged anchor. | ..... | do | 300 |
| May 6 | Hertha..... | new | Norway..... | Hull, G.B., to Chatam, N.B. | Barque | 558 | 6 miles E.N.E. from Shippegau Gully, N.B. | Stranded.... | Ice ..... | ..... | No loss.. | ..... |
| July 9 | Isaac Patch..... | 11 | United States.. | Port Daniel, P.Q., to fishing. | Schooner.... | 72 | Port Daniel, P.Q. | Man in mast shattered by lightning. | Lightning..... | ..... | Partial.. | 150 |

| Date | Name | Origin | Destination | Event | Location | Reason | Value | Notes |
|-----------|-----------------|------------------|-------------------------------------|------------|--|-----------------------------|--------------------|---------|
| Sept. 18 | Idéal | Gaspé P.Q. | Quebec to Cape Cove P.Q. | Collision | 65 Cape Cove, P.Q. | Schoon'r, "Col. Ellsworth." | do | do |
| Jan. 4 | J. H. Gillespie | Parrsboro', N.S. | St. John, N.B., to Parrsboro', N.S. | Brigantine | 193 Devine's Landing, Dipper Harbour, N.B. | Stranded | 1,500 | Total |
| May 24 | John Abbot | Maryport, G.B. | Burryport, G.B., to Quebec | Barque | 484 Point St. Lawrence | Collision | 1,500 | Partial |
| April 26 | Julia Wood | Gloucester, U.S. | Gloucester, U.S., to Fishing Bank | Schooner | 93 Emulow Breakers, nr. Lockport, N.S. | Stranded | 10,000 cargo 7,000 | Total |
| Oct. 30 | Jas. A. McKean | Halifax, N.S. | Bay St. Lawrence to Halifax, N.S. | do | 49.60 miles N.E. from St. Paul's Island | Foundered | 2,500 | do |
| Not known | Jessie Purney | Shelburne, N.S. | Halifax, N.S., to Merara, B.G. | do | 98 Not known | do | 6,000 | do |
| do | J. H. Gillespie | Parrsboro', N.S. | St. John, N.B., to Cuba, W.I. | Brigantine | 193 Dog Rocks, Bohera Banks, W.I. | Stranded | 5,000 | do |
| Sept. 15 | J. C. Tupper | Liverpool, N.S. | Liverpool to Berbice, B.G. | Schooner | 121 Lat. 21° 27' N, Lon. 56° 50' W. | Dismasted | 2,000 cargo 3,000 | Partial |
| Sept. | Jane Anna | Dublin, Irel'nd | Richibucto, N.B., to United Kingdom | Barque | 339 North Cape, P.E.I. | Stranded | 5,000 | Total |
| Oct. 8 | J. B. Duffus | Yarmouth, N.S. | Philadelphia, U.S., to Hamburg | do | 672 Off Heligoland | Collision | 14,500 | do |
| Aug. 3 | John D. Tupper | Halifax, N.S. | Sackville, N.B., to Great Britain | Brigantine | 289 Port George, Bay of Fundy | Stranded | 10,000 | do |
| J.r. | Kate | do | Palermo, Italy, to Baltimore, U.S. | do | 218 Lat. 34° 0' N, Lon. 33° 0' W. | Damaged by sea | 2,500 | Partial |
| Oct. 7 | Kate Upham | St John, N.B. | Barrow, G.B., to St. John, N.B. | do | 298 Lat. 56° 0' N, Lon. 3° 0' W. | Loss of sails | 400 | do |
| Dec. 11 | Kate Covert | do | New York, U.S., to Hamburg | Barque | 810 Off Montauk Point, U.S. | Damaged at sea | Unknown | do |
| Jan. 9 | Lady Lampson | London, G.B. | London, G.B., to Esquimat, B.C. | do | 412 Entrance to Esquimat Harbour | Stranded | do | do |
| do | Lunafillo | Hawaiian | Honolulu, S.S.I., to Victoria, B.C. | do | 481 Royal Roads, Victoria, B.C. | do | 12,000 | Total |

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from. Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Total. |
|-------------------|-----------------|------|-------------------|---|------------------------|-------------------|-----------------------------------|----------------------------------|--------------------------|-------------|------------------------|--------------------|
| Jan. 16 | Lottie Stewart | 5 | St. John, N.B. | Dublin, Ireland, to Barque..... New York, U.S. | to Barque..... | 742 | During the voyage | Loss of sails | Stress of weather. | ..... | Partial.. | \$ 150 |
| Feb. 27 | Lauretta..... | 3 | Windsor, N.S. | Parabo, S.A., to Brigantine... Liverpool, G.B. | to Brigantine... | 342 | 35 miles N.E. of Tuskar, G.B. | Collision.... | Fog .. .. . | ..... | Total | 12,000 |
| April 9 | Leader..... | 15 | Arichat, C.B. | Halifax, N.S., to do ... Yarmouth, N.S. | to do ... | 146 | 10 miles W.N.W. of Seal island. | do | Error of judgment. | ..... | do ... | 1,000 cargo 800 |
| 1879 Mar. 25 | Liffey | new | St. John, N.B. | Havana, W.I., to Barque..... St. John, N.B. | to Barque..... | 845 | Split Rock Cove, Musquash, N.B. | Stranded.... | Fog .. .. . | ..... | Partial.. | 12,000 |
| April 14 | Light of Home | 12 | Portsmouth, U.S. | Argyle, N.S., to Schooner ... Prospect, N.S. | to Schooner ... | 56 | Emulous Breakers, near Lockeport. | do | Error of command. | ..... | Total | 2,000 |
| Mar. 26 | L. H. De Veber | 7 | St. John, N.B. | New York to Queens-Parque.. ... town, Ireland. | to Queens-Parque.. ... | 615 | Robin Hood's Bay, G.B. | Collision with Emma | The "Emma" had no lights | ..... | Partial.. | 1,375 |
| Jan. 21 | Lara | 6 | Halifax, N.S. | St. Thomas, W.I., to do | to do | 948 | Lat. 41° 54' N, Lon 36° 48' W. | Loss of rudder, yards and sails. | Stress of weather. | ..... | do ... | 4,000 |
| July 22 | Lake Megantic | 3 | Montreal, P.Q. | Quebec to Liverpool. | Steamer..... | 1445 | Otter River, Anticosti, G. St. L. | Stranded.... | Error of judgment. | ..... | Total | 200,000 |
| May 18 | Lorne..... | 7 | St. John, N.B. | Providence, U.S., to Schooner.... New York, U.S. | to Schooner.... | 87 | Fisher's Island, Long Island S'd. | do | Stress of weather. | ..... | Partial.. | 433 |
| Oct. 30 | Lida & Lizzie.. | 13 | American..... | Halifax, N.S., to do ... Charlottetown. | to do ... | 57 | Cole's Reef, near Pictou, N.S. | do | do .. .. . | ..... | do ... | 2,500 |
| Aug 10 | Lady Head..... | 21 | Ottawa, Ont.... | Anticosti, G. St L., to Gaspe, P.Q. | Steamer..... | 168 | Point Jaune, P.Q. | do | Fog..... | ..... | Total | 40,000 |

| Oct. 31 / Lake Ontario. | 10 / Montreal, P. Q. / At Montreal..... | Ship..... | 1060 / At Montreal..... | Collision..... | Fault of tug..... | No damage. |
|------------------------------|--|----------------|---|---------------------------------|---------------------|-------------------------|
| Not kn'n / Laila W..... | 8 Annapolis, N.S. / St. John, N.B., to Warren Point, I. | to Barque..... | 561 / At sea..... | Loss of spars and other damage. | Stress of weather. | Partial.. 200 |
| Dec. 2 / Lyra..... | 13 Windsor, N.S. / Alma, N.B., to New York, U.S. | Schooner.... | 62 / E. end Little Cranberry Island, U.S. | Stranded..... | do | Total ... 1,000 |
| do 5 / Laig | New Halifax, N.S. / Digby, N.S., to St. John's, Nfld. | do | 100 / 60 miles W.S.W. from Westport, N.S. | Thrown on beam ends | do | Partial.. cargo 600 500 |
| do 11 / Linda Abbott.. | Liverpool, N.S. / Demerara, B.G., to Bridgewater, N.S. | to Barque..... | 248 / Liverpool Hrbour, N.S. | Stranded..... | Parted chains. | Total ... 5,000 |
| do 12 / Lizzie M. Stewart. | American. ... / Montague, P. E. I., to Boston, U.S. | Schooner.... | 85 / Western entrance to Barrington. | do | Stress of weather. | Partial.. Not known. |
| do 10 / Lizzie & Emma | 1 Charlottetown, P. E. I. / Mary Joseph, N.S., to Holme's Hole, U.S. | do | 96 / Frenchman's Rock, near Mary Joseph | do | Fog..... | do ... Trifling. |
| Jan. 5 / Miriam | 9 St. Johns, Nfld. / La Have, N.S., to St. John, Nfld. | do | 122 / Spectacle Island, La Have Harbour | do | Chains parted. | Total ... 4,000 |
| Feb. 18 / Medford..... | new Windsor, N.S. / At Liverpool, G. B. | Barque..... | 532 / Liverpool, G. B. | Capsized | Squall..... | Partial.. Trifling. |
| do 7 / Maggie Chapman. | 9 St. John, N.B. / Philadelphia, U.S., to Antwerp, Ger. | do | 780 / Lat. 37° 0' N., Lon. 33° 0' W | Loss of rudder & other damage. | Stress of weather. | Total ... 15,000 |
| April 8 / Mabel | 7 do ... / Liverpool, G. B., to St. John, N.B. | Brigantine.. | 464 / Off Seal Island, N.S. | Collision .. | Fog..... | Partial.. 500 |
| May 10 / Magnolia.. | 29 South Shields, G.B. / Lisbon, Portugal, to Quebec. | to Barque..... | 1095 / Shag Island, Magdalen Islands. | Stranded | do | Total ... 22,000 |
| Mar. 3 / Migumowesoo. | 6 Digby, N.S. / Eastport, U.S., to Yarmouth, N.S. | Schooner.... | 31 / Petite Passage, N.B. | do | Snow storm..... | do 1,300 cargo 600 |
| Feb. 1 / Minnie..... | 6 St. John, N.B. / Joggins, N.S., to St. John, N.B. | do | 73 / Herring Cove, n'r Salmon R., N.B. | do | Stress of weather. | Partial.. 100 |
| Jan. 30 / Maid of Laugollen. | 2 do ... / Ayr, Scotland, to St. John. | Brigantine.. | 236 / During the voyage | Loss of spars | do | do ... 100 |

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from.— Port bound to. | Flag. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|-----------------|-------|-----------------------|--|------------|-------------------|-------------------------------------|---------------------------|-------------------------------|-------------|------------------------|--------------|
| April 20 | Marco Polo | 26 | South Shields, G.B. | London, G.B., to Quebec. | Barque | 1511 | Lat. 47° 08' N., Lon. 31° 58' W. | Collision | Want of wind. | ..... | Partial. | Trifling. |
| May 5 | Matador | ..... | Norwegian | do | do | 746 | Green Island, St. Lawrence River. | Stranded | Error of judgment. | ..... | do | 4,000 |
| do | Maxwell | 20 | Port of Glasgow, G.B. | Leith, G.B., to Quebec. | do | 972 | Atlantic | Leaked | Heavy sea | ..... | Not k'n. | |
| April 6 | Mayflower | 12 | Halifax, N.S. | Port au Basque, Nfld. on a sailing voyage. | Schooner | 55 | E. point of Anticosti, G. of St. L. | Foundered | Sprung a leak, caused by ice. | ..... | Total | 1,200 |
| June 24 | Mary | 12 | Digby, N.S. | Antigua, W.I., to St. John. | Brigantine | 215 | Ledge off Marie Joseph. | Stranded | Thick fog and current. | ..... | do | 5,000 cargo |
| Aug 17 | Maggie B. | 2 | Miramichi, N.B. | Newcastle, N.B., to Pictou, N.S. | Schooner | 84 | Pictou, N.S. | Fire | Cargo lime got wet. | ..... | do | 4,000 cargo |
| May 4 | Mohawk | 11 | St. John, N.B. | Pensacola, U.S., to Queenstown, Irid. | Brigantine | 399 | Pensacola Bar, U.S. | Stranded | Wind failed | ..... | do | 10,000 |
| June 3 | Minerva | ..... | Norwegian | Montreal to Queens-town, Ireland. | Barque | 512 | Montreal | Collision | Hawser parted | ..... | Partial. | 700 |
| May 3 | Maud Potter | 11 | Liverpool, N.S. | St. Kitts, W.I., to Delaware break-water. | Brigantine | 177 | Lat. 21° 40' N., Lon. 61° 30' W. | Loss of spars, sails, &c. | Stress of weather. | ..... | Total | 5,000 |
| Not known. | Malta | 5 | Windsor, N.S. | New York, U.S., to London, G.B. | Ship | 1228 | Not known | Not known | Not known | ..... | do | 30,000 |
| Aug 13 | Marion | 30 | Greenock, G.B. | Greenock, G.B., to Quebec. | Barque | 704 | Lat. 48° 45' N., Lon. 48° 32' W. | Burnt | Spontaneous combustion. | ..... | do | 20,000 cargo |

| June 17 Mary Elizabeth | 8 Buffalo, U.S. ... Gaspé, P.Q., to Wicklow. | ner.... | 327/Not known. | Waterlog- ged. | Leak caused by straining. | Partial. | 700 |
|--------------------------|--|---------|---|----------------------------|------------------------------|------------|----------------------|
| July 15 Mary Stewart. | 6 St. John, N.B. Cienfuegos, W.I., to Barque, Boston, U.S. | 468 | South Shoal Light-ship, bearing W. 22 miles. | Collision.... | Wyoming..... | do ... | 2,072 |
| Sept. 12 Maryborough. | 2 ^d Newcastle, G.B. Quebec to Newcastle | 926 | Quebec Harbor.... | do | Stress of wear-ther. | Partial.. | Trifling. |
| do 22 Mary Jane..... | 16 Arichat, C.B. Pictou, N.S., to Schooner... Chatham, N.B. | 84 | Cape Tormentine.. | Stranded.... | do | Total.... | 1,600 cargo 170 |
| Oct. 13 Mayfair..... | 1 Windsor, N.S. Harborville, N.S., to Boston, U.S. | 114 60 | miles south of Mount Desert. | Loss of sail, &c. | do | Partial.. | 2,500 cargo 200 |
| do 16 Moss Glen..... | 5 St. John, N.B. St. John, N.B., to New York, U.S. | 193 | S.E. from Liberty Head, South Shoal Light Vessel. | Dismasted & abandoned | do | Total.... | 8,000 cargo 885 |
| Nov. 8 Maggie L..... | 5 do ... Point Wolfe, N.B., to St. John, N.B. | 92 | Eastern Head, Point Wolfe, N.B. | Stranded.... | Dragged anchor. | Partial.. | 500 |
| Mary E Goodwin. | 1 Weymouth, N.S. Carthagen, C. A., to Philadelphia, U.S. | 1110 | Not known. | Foundered.. | Stress of wear-ther. | Total.... | 33,000 |
| Nov. 8 Moravian..... | 4 Glasgow, G.B. Montreal to Quebec. Steamer..... | 2013 | Cape à la Roche, River St. Lawrence. | Collision.... | Error of judgment. | No damage. | ..... |
| Sept. 6 M. H. Morris... | 8 Halifax, N.S. Lying at Santiago de Cuba. | 124 | Lying at Santiago, W.I. | do | Hurricane | Partial.. | 6,000 cargo 700 |
| Oct. 22 Mabel Claire.... | ne Liverpool, N.S. St. Augustine, Labrador, to Liverpool, N.S. | 144 | St. Augustine, Labrador. | Stranded.... | Error of judgment. | Total.... | 7,500 cargo 2,000 |
| Nov. 22 Marie Henriette. | 1 Quebec..... Quebec to Rivière-du-Loup, P.Q. | 15 | Urane Island, St. Lawrence. | Collision.... | Parted chains.. | 4 do ... | 300 |
| Aug. 7 Memphis..... | 7 Liverpool, G.B. Quebec to Liverpool, G.B. | 1595 | Lat. 49° 27' N; Lon. 61° 16' W. | Machinery damaged. | Not known.... | ..... | ..... |
| Oct..... Muriel..... | 6 St. John, N.B. St. John, N.B., to Dunganvon, G.B. | 172 | During Voyage.... | Loss of sails, sprung/leak | Stress of wear-ther. | Total.... | 8,000 cargo 700 |

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from. — Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|------------------|------|-------------------|--|-------------|-------------------|-----------------------------------|---------------------|----------------------------|-------------|------------------------|---------------------|
| Nov. 20 | M | 2 | Yarmouth, N.S. | Tusket Wedge, N.S., to Halifax, N.S. | Schooner | 29 | Port Herbert, N.S. | Stranded | Fog | ..... | Total | \$ 2,000 |
| July | Moss | 23 | Norwegian | Sharpness to Miramichi, N.B. | Mira-Barque | 518 | North Point, P.E. Island. | do | Error of judgment. | ..... | ..... | Not known |
| Nov. 11 | Malanta | 10 | Windsor, N.S. | Cornwallis, N.S., to New York. | Schooner | 106 | Month of Habitant River, N.S. | do | Dragged anchors. | ..... | Partial | 100 cargo 2,100 |
| Oct. 24 | Maggie Masters | 3 | do | Windsor, N.S., to New York. | do | 151 | Off Brier Island, Bay of Fundy. | Loss rudder. | Stress of weather. | ..... | do | 46 |
| May 3 | Napoleon III. | 21 | Ottawa, Ont. | At the wharf Quebec | Steamer | 212 | Quebec | Collision | Error of judgment. | ..... | do | 90 |
| April 25 | Nellie Crosby | 12 | Yarmouth, N.S. | Amsterdam to Baltimore, U.S. | Brigantine | 440 | Lat. 45° 0' N.; Lon. 50° 0' W. | do | Not known | ..... | do | 8,000 |
| Mar. 14 | N. & E. Gardner. | 13 | do | Galveston, U.S., to Liverpool, G.B. | Ship | 1465 | Lat. 47° 52' N.; Lon. 30° 07' W. | Abandoned | Stress of weather. | ..... | Total | 30,000 c'go 250,000 |
| Aug. 20 | Nancy | 28 | Arichat, N.S. | Arichat, N.S., on a fishing voyage. | Schooner | 19 | Amherst Island, Gif. St. Lawrence | Stranded | Stress of weather & leaky. | ..... | Partial | 400 |
| do | Neversink | 12 | New York, U.S. | Cow Bay, C B, to New York. | to Barque | 451 | Lat. 45° 58' N.; Lon. 59° 26' | Foundered | Heavy weather. | ..... | Total | 22,500 |
| May 3 | Nellie T. Guest | 5 | Yarmouth, N.S. | New York, U.S., to Havre, France. | do | 888 | Sandy Hook, U.S. | Stranded | Fog | ..... | Partial | 4,000 |
| July 14 | North America | 8 | Halifax, N.S. | St. Peter's Bay, N.S., to Portland, U.S. | Schooner | 174 | Brazil Rock, off Cape Sable. | do | do | ..... | do | Trifling. |

| Date | Ship | Origin | Destination | Lat. N. | Long. W. | Disaster | Particulars | Total |
|----------|----------------|--------------------------|--------------------------------------|---------|---|----------------------------|--|-----------------------|
| Sept. 15 | N. H. White | Sheburne, N.S. | Lockport, N.S. to Barbadoes, W.I. | 20° 11' | 60° 48' | Dismasted | Hurricane | 3,000 |
| Oct. 12 | Northern Home | Windsor, N.S. | New Bedford, U.S. to Windsor | 162 | Martha's Vineyard U.S. | Stranded | Parted chains | Partial 1,500 |
| do 12 | Nashwaak | St. John, N.B. | St. John, N.B. to Musquash, N.B. | 59 | Musquash Harbor, N.B. | Driven to sea & dismantled | Stress of weather | do 400 |
| Feb. 3 | Orlando | P. E. Island | Baltimore, U.S. to Gloucester, G.B. | 336 | Lat. 37° 26' N.; Lon. 70° 0' W. | Cargo shifted | do | Total 15,000 |
| 5 | Orange | Cork, Ireland | Boston, U.S. to Cork, Ireland | 162 | Seal Island, one of Tusket Islands | Stranded | Fog & compass out of order | Partial 5,000 |
| July 22 | Osage | Pictou, N.S. | Galway, Ireland to Pictou, N.S. | 397 | Lat. 46° 28' N.; Lon. 52° 07' W. | Loss of sails &c. | Stress of weather | do 4,000 |
| Sept. 5 | Ocean Lilly | Guysboro', N.S. | Kingston, W.I. to Turks Island | 113 | Island of Cuba | Stranded | do | Total 4,000 |
| Dec. 3 | Owego | New York, U.S. | St. John, N.B. to Liverpool, G.B. | 974 | Godfrey's Ledge, West-Quoddy, N.B. | do | do | do 18,000 |
| do 6 | Octacilius | St. John, N.B. | Stackville, N.B. to Barbadoes, W.I. | 232 | Shepody Flats, N.B. | do | do | Partial 100 cargo 200 |
| do 19 | do | do | St. John, N.B. to Barbadoes, W.I. | 232 | St. John, N.B. | Fire | Heated hay | do 500 |
| March | Pretty Jemima | Amherst, N.S. | Bull River, U.S. to London | 877 | Lat. 28° 10' N.; Lon. 67° 58' W. | Abandoned at sea | Stress of weather | Total 40,000 |
| May 8 | Presto | Belfast | Belfast, Ireland to Chatham, N.B. | 623 | Outer Bar, Miramichi Bay, N.B. | Stranded | Thick fog | Partial 250 |
| do 29 | Pearl of India | Greenock, G.B. | Greenock, G.B. to Quebec | 1269 | Port of Quebec | Collision | Tow line parted, collided with Sandringham | No loss |
| June 24 | Phopero | St. John's, Newfoundland | La Have, N.S. to Rose Blanche, Nfld. | 75 | Samson Rocks, S. side Scattene Island, N.S. | Stranded | Thick weather | Total 2,250 |
| July 11 | Palestine | Windsor, N.S. | Portland, U.S. to Havana, W.I. | 318 | Abaco, W.I. | do | Sprung a leak | do 10 12,000 |

STATEMENT of Wrecks and Casualties to Seagoing Vessels.---Continued.

| Date of Casualty. | Name of Vessel. | Age. | P. rt of Registry. | Port sailed from. Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|-----------------|------|----------------------|--|-----------------|-------------------|----------------------------------|---------------------|--------------------|-------------|------------------------|-------------------|
| Oct. 9 | Peeress..... | 1 | Charlottetown P.E.I. | Buctouche, N.B., to Liverpool, G.B. | to Brig..... | 249 | Buctouche Bar, N.B. | Stranded.... | Want of wind. | ..... | Partial. | Trifling. |
| Sept. 20 | Prosperite..... | 5 | Tostrand, Norway. | St. John, N.B., to Valentic. | do | 269 | Harriet's Ledge, Tusket Islands. | do | Fog..... | ..... | do ... | 1,500 |
| June 4 | Pathfinder..... | 6 | Charlottetown P.E.I. | Souris, P.E.I., to Harbor de Grace, Nfld | Schooner.... | 56 | Great Island, Newfoundland. | do | do ..... | ..... | Total.... | 1,600 cargo 4,000 |
| Nov. 8 | Phoenician..... | 5 | Glasgow, G.B. | Montreal, P.Q., to Glasgow, G.B. | to Steamer.... | 1484 | Cape La Roche, Riv. St Lawrence | Collision.... | Error of judgment. | ..... | Partial. | Not known. |
| Sept..... | Pohno..... | 6 | Sydney, C.B. | North Sydney, N.S., to Monte Video. | Barque | 447 | At Sea | Loss of rudder. | Stress of weather. | ..... | do ... | 150 |
| April 26 | Pomono..... | 15 | Annapolis, N.S. | Boston, Mass., to Bear River, N.S. | to Schooner.... | 98 | Martinicus, U.S.... | Stranded.... | Fog ..... | ..... | Total.... | 1,000 |
| Nov. 22 | Pilot..... | 21 | Gaspé Basin, P.Q. | New Carlisle, P.Q., to Gaspé Basin, P.Q. | do | 64 | Point St. Peter, P.Q. | do | Stress of weather. | ..... | do ... | 1,000 |
| Dec. 21 | Potomac..... | 30 | St. John, N.B. | Yarmouth, N.S., to St. John, N.B. | do | 147 | Dartmouth Ledges N.S. | do | Darkness..... | ..... | do ... | 3,000 |
| July 13 | Quebec..... | 13 | Montreal, P.Q. | Quebec to Mon real. | Steamer | 1794 | Batiscan, River St. Lawrence. | Collision..... | Stress of weather. | ..... | Partial. | 50 |
| Aug. 3 | Quebec..... | 14 | Liverpool, G.B. | Liverpool, G.B., to Quebec. | do | 1403 | St. Mary's Reef, Labrador. | Stranded.... | Strong current | ..... | do ... | Trifling. |
| Nov. 24 | Qui Vive | 6 | Shelburne, N.S. | Inagua, W.I., to Liverpool, G.B. | Brigantine... | 100 | Abraham's Reef, Bahamas, W.I. | do | Stress of weather. | ..... | Total.... | 4,000 cargo, 400 |

| Oct. | 8 | Quebec. | 11 | Windsor, N.S. | Liverpool, G. B., to New York. | to Ship | 1454 | Lat. 48° N., 35° W. | Lon. | Loss of sails | do | Partial. | 1,000 |
|---------|----|----------------|----|-----------------------|---|------------|------|--|---------------|-------------------|----|----------|--------------------|
| Jan. | 9 | Ranger | 10 | St. John, N.B. | St. John, N.R., to St. George, N.B. | Schooner | 70 | New River Reach, Charlotte Co., N.B. | Stranded | Snow storm | do | do | 100 |
| do | 7 | Rubina | 5 | do | Fayal, Azores, to Boston, U.S. | do | 137 | On the Voyage | Loss of sails | Stress of weather | do | do | 2,000 |
| June | 7 | Ralph B. Peake | 2 | Charlottetown P.E.I. | Sydney, C.B., to Montreal | Barque | 699 | 40 miles N. W. of Bird Rocks, Gulf St. Lawrence. | Collision | Fog | do | do | 1,200 |
| April | 9 | Royalist | 34 | Alloa, G.B. | Leith, G.B., to Quebec. | do | 592 | During the Voyage | Fire | Not known | do | do | 600 |
| do | | Ranavola | 16 | Newcastle, G.B. | Cooson's River to Newcastle, G.B. | do | 391 | do | Sprung a leak | Stress of weather | do | do | Not known. |
| May | 6 | Rockland | 7 | Sydney, C.B. | New York, U.S., to Sydney, N.S. | Brigantine | 237 | St. Esprit, N.S. | Stranded | Fog | do | Total | 12,000 |
| do | 1 | Rosa | 19 | Frederickstad, Norway | Bristol, G.B., to Sandy Hook, P.Q. | do | 630 | Mille Vaches, Riv. St. Lawrence. | do | do | do | Partial | 4,000 |
| January | | Royal Harrie | 6 | St. John, N.B. | Liverpool, G.R., to Sandy Hook, U.S. | do | 482 | During the Voyage | Loss of sails | Stress of weather | do | do | 150 |
| July | 11 | Rubina | 5 | do | Kinsale, Ireland, to Bath, Maine. | Schooner | 137 | 15 miles S.E. of Fastnet Rock. | Foundered | do | do | Total | 6,000 cargo, 1,050 |
| Sept. | 2 | Rival | 18 | Gloucester, U.S. | Gulf St. Lawrence, on a Fishing Voyage. | do | 53 | East end of Guyon Island, C.B. | Stranded | Thick weather | do | Partial | 1,400 |
| do | 12 | Rosalie | 20 | Liverpool, G.B. | Southampton, G.B., to Quebec. | Barque | 907 | Quebec Harbor | Collision | Stress of weather | do | do | 170 |
| June | 7 | Roma | 13 | Quebec | Quebec to Liverpool, G.B. | do | 633 | do | do | Strong tide | do | do | Trifling. |
| Oct. | 22 | Rocket | 12 | Montreal, P.Q. | Quebec to Montreal. | Steamer | 329 | Cape La Madeleine, River St. Lawrence. | do | Error of judgment | do | do | 300 |
| Jan. | 3 | Sea Lion | 4 | St. John, N.B. | New York, U.S., to St. John, N.B. | Schooner | 99 | Nansett Harbour, Massachussetts, U.S. | Stranded | Thick snow storm | do | Total | 4,000 |

STATEMENT of Wrecks and Casualties to Sea-going Vessels.—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from — Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|---------------------|------|------------------------|--|----------------|-------------------|---|------------------------|------------------------------------|-------------|------------------------|---------------------|
| Jan. 24 | Southern Belle | 8 | Yarmouth, N.S. | Genoa, Italy, to Baltimore, U.S. | Barque..... | 587 | Shoals near Station 3, Virginian coast U.S. | Stranded..... | Unkn'w shoal..... | ..... | Partial. | \$ 12,000 |
| Feb. 28 | Sea Bird..... | 1 | Digby, N.S..... | St. Kitts, W.I., to Digby, N.S. | Schooner.... | 76 | Lat. 28° N., Lon. 68° W. | Dismasted ... | Stress of weather. | ..... | do | 700 |
| April 11 | Souvenir | 2 | Yarmouth, N.S. | Shelburne, N.S., to Delaware, U.S. | Barque..... | 828 | McNut's Island, N.S. | Stranded..... | Misstayd..... | ..... | Trifling..... | ..... |
| June 9 | St. Martine Packet. | 14 | Charlottetown, P.E.I. | At. Charlottetown, P.E.I. | Schooner... .. | 42 | Harbour, Charlottetown. | Fouled a sunken wreck. | Sunken wreck..... | ..... | Partial.. | 30 |
| May 25 | Scheld | 27 | Christiansand, Norway. | Quebec to London, G.B. | Barque..... | 618 | Indian Cove, River St. Lawrence. | Collision | Fault of tug towing the Commodore. | ..... | do | 2,000 |
| do | Susan M | 11 | Windsor, N.S. | Shulee, N.S., to John, N.B. | Schooner.... | 45 | Near Beacon, St. John Harbour. | do | Error of judgment. | ..... | do | 100 |
| do | St. Michel | 7 | Chatham, N.B. | Fernandina, U.S., to Liverpool, G.B. | Brig | 460 | Lat. 36° 30' N., Lon. 76° 25' W. | Foundered .. | Squall..... | ..... | Total ... | 10,000 cargo 20,000 |
| June 17 | Snipe | 9 | Prince Edward's island | Sydney, N.S., to Charlottetown, P.E.I. | Schooner.... | 55 | Off Petit de Grat, Richmond Co., N.S. | Stranded..... | Strong tide & foggy weather. | ..... | do | 600 cargo 200 |
| do | Secret | 4 | Halifax, N.S. | Halifax, N.S., to Aspy Bay, N.S. | do | 47 | Wreck Cove, near Little Lorraine, N.S. | Foundered.. | Stress of weather. | ..... | do | Not known. |

| | | | | | | | | | | |
|-----------|-----------------|----|------------------------|--|----|-----|----------------------------------|------------------------------|----------|---------------------|
| May 3 | Sophia Bowen. | 3 | Charlottetown/ P.E.I. | Cardiff, G.B., to Buenos Ayres, S.A. | do | 132 | Lat. 41° 40' N., Lon. 14° 9' W. | Loss of spars and sails. | do | 4,000 |
| July 15 | St. Patrick | 7 | St. John, N.B. | Plymouth, G.B., to New York, U.S. | do | 707 | Red Hook, Brooklyn, U.S. | Lightning struck Royal Mast. | Partial. | 50 |
| Not known | Switzerland | 4 | Charlottetown, P.E.I. | New York, U.S., to Charlottetown, P.E.I. | do | 199 | Western Shoal, Canso, N.S. | Stranded. | do | Not known. |
| Aug. 19 | Sarah | 14 | Halifax, N.S. | Burges, Nfld., to Halifax, N.S. | do | 46 | E. N. E. from Flint Island, N.S. | Disrusted. | Total | 1,000 |
| do | 10 St. François | 3 | Quebec | Glasgow Dock to Quebec. | do | 231 | Lat. 48° N., Lon. 47° W. | Collision. | Partial. | 400 |
| June 22 | Sebastopol | 15 | North Shields, G.B. | Portsmouth, G.B., to Quebec. | do | 849 | Red Island, River St. Lawrence. | Loss of anchors and chains. | do | Not known. |
| Oct. 10 | St. Anne | 16 | Gaspé, P.Q. | Mal Baie, P.Q., to Anticosti. | do | 48 | English Bay, Anticosti. | Stranded. | Total | 800 cargo 500 |
| do | 23 Saladin | 18 | Windsor, N.S. | Granville, N.S., to Portland, U.S. | do | 123 | Cape Elizabeth, U.S. | Stranded & loss of sails. | do | 800 cargo 120 |
| July 30 | Saml. Muir | 11 | Liverpool, N.S. | St. John, N.B., to Cardmas, W.I. | do | 233 | Cardmas Bay | Stranded. | do | 6,000 cargo, 13,000 |
| Nov. 10 | Swan | 2 | Halifax, N.S. | St. John, N.B., to Boston, U.S. | do | 92 | Lat. 38° 0' N.; Lon. 66° 40' W. | Loss of sails. | Partial. | 250 |
| Oct. 17 | St. Croix | 3 | Quebec | At St. Croix Wharf, P.Q. | do | 125 | St. Croix, P.Q. | Burnt. | Total | 14,000 |
| Dec. 13 | Susan | 14 | St. John's, Newfdland. | North Sydney, N.S., to St. John, Nfld. | do | 146 | Lingan Head, N.S. | Stranded. | do | Not known. |
| do | 24 Swan | 20 | Lunenburg, N.S. | Canso, N.S., to Halifax, N.S. | do | 46 | St. Andrew's Island, Canso. | do | Total | 690 |
| do | 22 Speed | 7 | St. John's, Newfdland. | St. John's, Nfld., to P.E. Island. | do | 101 | Cariboo Cove, Gut of Canso. | do | do | 5,000 |
| Mar. 10 | The Star | 7 | St. John, N.B. | Mayaguez, W.I., to New Haven, U.S. | do | 117 | During the voyage. | Sprung a leak. | do | 4,000 |

STATEMENT of Wrecks and Casualties to Sea-going Vessels.—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from. Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount |
|-------------------|-------------------|------|---------------------|---|-------------------|-------------------|--|--------------------------|---------------------------------|-------------|------------------------|--------------------|
| ..... | Toledo | 5 | Yarmouth, N.S. | Baltimore, U.S., to London, G.B. | to Barque | 929 | Not known | Missing | Not known | 14 | Total | \$ 35,000 |
| May 6 | Teizo | 12 | Skien, Norway | Liverpool, G.B., to Quebec. | do | 1024 | Red Island, River St. Lawrence. | Stranded | Fog ..... | ..... | Partial.. | 4,000 |
| Nov. 9 | Tracy Jane | 13 | Pictou, N.S. | Charlottetown, P.E.I. to New York, U.S. | Schooner | 110 | Cape Auger, N.S. | do | Missayed ..... | ..... | do .. | Not known. |
| Oct. 3 | Tycoon | 4 | Shelburne, N.S. | Trinidad, W.I., to Boston, U.S. | to Brigantine .. | 130 | Lat. 13° 14' N.; Lon. 64° 3' W. | Loss of sails | Stress of weather. | ..... | Total | 6,000 cargo, 5,000 |
| April 24 | Thomas Albert | 16 | Halifax, N.S. | Cunfuegos, Cuba, to Halifax, N.S. | do .. | 112 | North Bimini, Bahamas. | Stranded | Missayed ..... | ..... | do .. | 5,000 cargo, 8,500 |
| Feb. 2 | Uialume | 3 | Shelburne, N.S. | Trinidad, W.I., to Lockport, N.S. | to Schooner | 84 | N. W. reef of Grand Turk, one of the Bahama Islands. | do | Vessel unmanageable. | ..... | do | 4,000 |
| June 4 | Villager | 29 | Halifax, N.S. | Gloucester, U.S., to Rustico, P.E.I. | do | 65 | Eastern Reef, Rustico Harbor, P.E.I. | do | Change of wind & shallow water. | ..... | do .. | 600 cargo 500 |
| May 9 | Vestalanden | 19 | Christiana, Norway. | Krogero, Norway, to Quebec. | to Barque | 459 | 3 miles below English Point, Gulf St. Lawrence. | do | Thick fog | 3 | Partial.. | 5,700 |
| June 27 | Venezia | 13 | Montreal, P.Q. | Charlottetown, P.E.I. to Cow Bay, N.S. | Steamer | 507 | Scatterie Island, N.S. | do | do ..... | ..... | do .. | Not known. |
| ..... | Veteran | 6 | Somerset, U.S.A. | Elsmore, U.S., to Sydney, N.S. | to Barkentine.. | 612 | At Sea | Loss of spars and sails. | Stress of weather. | ..... | do .. | 1,000 |

| Date | Name | Origin | Destination | Ship | Cause | Result | Value | Notes |
|----------|-----------------|-----------------------|--------------------------------|-------------|-------------------------|------------------------|----------|--------------|
| Aug. 21 | Violet | St. John, N.B. | St. John, N.B. | Schooner | Stranded | Mistayed | Total | |
| do | 17 Vandolana | London, G.B. | Barrow, G.B. | Steamer | do | Fog | Trifling | |
| Sept. 16 | do | do | do | do | do | Error of judgment | Partial | Not known |
| Oct. 1 | Venezia | Montreal, P.Q. | Montreal to North Sydney, N.S. | do | do | do | Total | 45,000 cargo |
| do | 31 Viking | Digby, N.S. | Philadelphia, U.S. | Barque | Foundered | Stress of weather | do | 18,000 cargo |
| Jan. 22 | W. E. Duryea | Windsor, N.S. | Cranberry Island, N.S. | Schooner | Stranded | Sudden calm | do | 2,500 |
| May 9 | W. J. Lewis | Halifax, N.S. | Euenos Ayres to Antwerp | Ship | Fire | Spontaneous combustion | do | 50,000 c'go |
| do | 9 W. T. Harward | Yarmouth, N.S. | Hamburg to Philadelphia, U.S. | Barque | Collision | Error of judgment | Partial | 2,500 |
| April 20 | W. D. Stewart | Charlottetown, P.E.I. | London, G.B. | Barquentine | Loss of spars and sails | Stress of weather | do | Not known |
| Sept. 14 | Walton | Liverpool, G.B. | Carnarvon, G.B. | Barque | Stranded | Fog | Total | 10,000 |
| Nov | Whim | Brixham, G.B. | St. Johns, Nfld. | Schooner | do | Fog | Partial | 4,500 |
| Not kn'n | Walloon | Shelburne, N.S. | Turks Island, W.I. | Brigantine | Foundered | Supposed hurricane | 6 Total | 5,000 cargo |
| Dec. 12 | Watson Baker | American | New London, P.E.I. | Schooner | Stranded | Stress of weather | do | 1,500 |
| July 26 | Zenobia | Halifax, N.S. | Sydney, C.B. | Brigantine | do | Not known | do | 8,000 |
| Not kn'n | Zerbena | Liverpool, G.B. | Montreal to Queens-town | Steamer | Collision | Fog | Partial | 1,200 |

APPENDIX No. 4.

STATEMENT of Wrecks and Casualties reported as having occurred to Inland Vessels, from 1st January, 1878, to 31st December, 1878.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from. — Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|-----------------|-------|----------------------|--------------------------------------|----------|-------------------|---|---------------------|--------------------------------------|-------------|------------------------|-------------------|
| June 16 | James Scott | .... | Port Dover, Ont. | Buffalo, U.S., to Port Burwell, Ont. | Schooner | .... | 15 miles above the lighthouse, Port Burwell, Ont. | Capsized | Squall | 5 | Partial. | Not known. |
| Aug. 8 | Armenia | ..... | Picton, Ont. | Bath to Picton, Ont. | Steamer | 109 | Dams dock, Bay of Quinte. | Damage to rudder. | Not known | .... | do | Trifling. |
| Nov. 22 | Annandale | ..... | Kingston, Ont. | Toronto to Charlotte, U.S. | Schooner | 181 | At 30 Mile Point, U.S. | Stranded | Rudder parted, loss of sails | .... | Total | 6,500 |
| July 19 | Collingwood | .... | St. Catharines, Ont. | Byng Inlet to Col-lingwood, Ont. | Steamer | 44 1/2 | 1/2 mile from Byng Inlet lighthouse. | Burnt | Unknown | .... | do | 8,000 |
| Sept. 8 | David Sharp | .. | Port Dover, Ont. | Kingsville, Ont., to Buffalo. | Schooner | 95 | 20 miles E. of Long Point, Lake Erie. | Stranded | Waterlogged | .... | do | 2,700 cargo 2,600 |
| May 20 | Fellowcraft | ... | Port Burwell, Ont. | Toledo, U. S., to Quebec. | do | 209 | Port Colborne, Ont. | Loss of spars | Collision with sch. Albatron | .... | Partial | 50 |
| Sept. 8 | H. J. Rathbun | 13 | Napanee, Ont. | Wallaceburg to Buffalo, U.S. | do | 143 | Port Burwell, Ont. | Stranded | Want of water at entrance of harbor. | .... | Total | 8,000 |
| Oct. 19 | Hannah Butler | 21 | Cobourg, Ont. | Cobourg to Oswego, U.S. | do | 126 3/4 | 3 miles west of Oswego, U.S. | Damaged by sea. | Stress of weather. | .... | Partial | 400 cargo 55 |

| Nov..... | Hibernia..... | Darlington, Ont. | Mill Point to Ganan- aque, Ont. | do | 120 Opposite Bath, Ont. Foundered... | do | Total.... | 3,600 |
|----------|----------------------|-------------------------|---|---------------|--|---------------|--------------------------------|------------------------------|
| Oct. 28 | J. W. McGrath | St. Catharines, Ont. | Rondeau, Ont., to Port Dalhousie, Ont. | do | 275 20 miles E. from Lg. Pt., Lake Erie | do | do | 6,500 cargo 2,500 |
| Nov. 26 | Lake Breeze... | Windsor, Ont | Pointau Pelee Island to Windsor, Ont. | do | 198 Leamington Dock, Ont. | Fire..... | 1 | 10,000 |
| July 20 | Mary R. Robertson | Chatham, Ont | Byng Inlet to Chica- go, U.S. | do | 257 Byng Inlet Harbor | Foundered... | Struck a rock. | Partial.. Not known. |
| do 22 | do | do | do | do | 257 do | Burnt | Millyard took fire. | Total.... 18,000 |
| Oct. 9 | Mary McVie ... | American..... | Chicago, U.S., to Collingwood, Ont. | Schooner.... | 208 1/2 mile S.W. from Walker's Pt. Man- itoulan Island. | Stranded.... | Stress of wea- ther. | do 7,000 |
| Nov. 8 | Metropolis..... | Chicago, U.S. | Chicago, U.S., to Collingwood, Ont. | do | 245 Collingwood Har- bour. | do | Fault of tug boat. | Partial.. cargo 1,000 120 |
| Oct. 27 | M. C. Cameron | Montreal | Goderich to Mid- land, Ont. | do | 308 3 miles from Code- rich Harbour.... | do | Dragged anchors. | do 1,600 |
| Sept. 27 | Norman | Kingston, Ont. | Trenton to Oswego, U.S. | Steamer..... | 112 East Cove, Oswego | Burnt | Unknown..... | do 1,000 |
| do 13 | Nameless ... | Toronto..... | At Oakville, Ont..... | Schooner | 221 mile west of Bronte Lake, Ont | Stranded.... | Parted lines..... | do 200 |
| do 5 | Okonza .. | Owen Sound, Ont. | Owen Sound to Wis- ton, Ont. | do | 52 Wiaton Wharf, Ont | Burnt | Unknown..... | Total ... 3,000 |
| July 27 | Portage | American | Fairhaven to Toledo, U.S. | Schooner | 224 Near Port Rowan, Ont. | Foundered... | Stress of wea- ther. | do 1,500 |
| Sept. 3 | P. E. Mc Kerrel | Wallacburg, Ont. | At Collingwood, Ont. | Steamer..... | 92 Smith's Wharf, Collingwood. | Burnt..... | Unknown..... | Partial.. 1,000 |
| Oct. 9 | Peerless | Kingston, Ont. | Manotico to Kingston | do | 14 Rideau Canal..... | Foundered... | Collision with Str. "Olive" | do 250 |
| Aug. 12 | Picton..... | Picton, Ont..... | At Port Dalhousie.... | do | 450 At the Wharf, Port Dalhousie. | Collision.... | "Southern Belle." | do .. Trifling. |
| Oct. 28 | Quebec | Sarnia | Southampton, Ont., to Duluth, U.S. | do | 955 Magnetic Shoals, Lake Huron. | Stranded.... | Fog | do 20,000 cargo 2,000 |

STATEMENT of Wrecks and Casualties to Inland Vessels.—Continued

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from.— Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives lost. | Total or Partial Loss. | Amount. |
|-------------------|------------------|------|----------------------|---|-----------------|-------------------|--------------------------------|---------------------|--------------------|-------------|------------------------|-----------|
| Mar. 29 | Silver Spray ... | 13 | Port Dalhousie Ont. | In winter quarters ... | Steamer..... | 142 | Owen Sound, Ont. | Burnt | Unknown..... | ..... | Total ... | \$ 18,000 |
| July 24 | S. C. Doty..... | 6 | Goderich, Ont. | Collingwood, Ont., to Waubaushene, Ont. | do | 25 5 | miles from Point Bassie. | Stranded..... | Error of judgment. | ..... | Partial.. | Unknown. |
| July 1..... | Swallow..... | 10 | Winnipeg, Man | Selkirk to Winnipeg | do | 331 | mile from Winnipeg. | Foundered... | Squall..... | ..... | do .. | 1,400 |
| Oct. 25 | Star..... | 5 | Napanee, Ont. | Port Dalhousie to Kingston. | to Schooner.... | 227 | Charlotte, U.S.... | Stranded..... | Stress of weather. | ..... | Total ... | 7,000 |
| do 23 | Sligo..... | 4 | St. Catharines, Ont. | Collingwood to Chicago. | do | 294 | St. Helena Island, U.S. | do | do ..... | ..... | Partial.. | Trifling. |

APPENDIX No. 5.

SUPPLEMENT to the Statement of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels, during the Calendar Year of 1877.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from.— Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|-------------------|------|----------------------|---|--------------|-------------------|---|---------------------|--------------------|-------------|------------------------|-----------|
| 1877. | | | | | | | | | | | | |
| Nov. 24 | Armstrong..... | 14 | Windsor, N.S. | Fleetwood, G.B., to New Orleans, U.S. | Ship..... | 816 | Sylecroft, White-Stranded..... haven, G.B. | Stress of weather. | Stress of weather. | ..... | Total.... | \$ 16,400 |
| do | Alpheus Marshall. | 4 | Digby, N.S. | Antwerp to New York, U.S. | Barque..... | 992 | In the Downs, G.B. | Collision..... | Not known..... | ..... | Partial.... | 120 |
| Oct. 29 | Agnes Campbell. | 7 | do | Bonner to Shelburne, N.S. | do | 690 | Faroe Island..... | Damaged by Sea. | Stress of weather. | ..... | Total.... | 26,000 |
| Nov. 17 | Annie Troop... | 11 | St. John, N.B. | Londonderry, Ireland, to New York, U.S. | do | 511 | During the voyage | Loss of sails. | do | ..... | Partial.... | 50 |
| Dec. 11 | Albert L..... | 3 | Halifax, N.S. | At North Sydney, N.S. | Schooner.... | 108 | North Sydney, N.S. | Stranded..... | Dragged anchors. | ..... | Total.... | 3,500 |
| Nov. 6 | Acadia..... | 13 | St. John, N.B. | St. John, N.B., to Georgetown, P.E.I. | do | 73 | 15 miles from Burin, Newfld. | do | Stress of weather. | ..... | do | 2,500 |
| Not kn. | Abby Alice..... | 10 | Halifax, N.S. | Halifax, N.S., to Bay St. George, Newfld. | do | 72 | Entrance to Bay St. George, Nfld. | do | Fog..... | ..... | Partial.... | 630 |
| Nov. .. | Alleppo..... | 2 | Charlottetown P.E.I. | Liverpool, G.B., to Sydney, N.S. | Brigantine.. | 249 | Lat. 59° 30' N., Lon. 7° 30' W. | Foundered.. | Stress of weather. | ..... | Total.... | 10,000 |
| Oct. 23 | Amity..... | 11 | St. John, N.B. | Monte Video, S.A., to Richibucto, N.B. | Barque..... | 535 | Cape Tormentine, N.B. | Stranded..... | Error of judgment. | ..... | Partial.... | 8,000 |
| Sept. 22 | Abeona..... | 31 | Arichat, N.S. | Sydney, N.S., to Halifax, N.S. | Schooner.... | 99 | Cook's Cove, Chibucto Bay, N.S. | do | Loss of sails.... | ..... | Total.... | 500 |

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from. Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|-------------------|------|-----------------------|--|------------------|-------------------|---------------------------------|---------------------------------|-----------------------------|-------------|------------------------|--------------------|
| July ... | Albula. | 6 | St. John, N.B. | Cardiff, G.B., to Aden, Red Sea. | to Ship. | 1314 | During the voyage | Loss of rudder and mizzen-mast. | Stress of weather and ther. | .... | Partial. | \$ 7,500 cargo 100 |
| Oct. ... | Agnes Sutherland. | 2 | do | Plymouth, G.B., to New Orleans, U.S. | do | 1133 | Antigua, W.I. ... | Stranded. | Fog. .... | ..... | do | 30,000 |
| Nov. 20 | Beauty. | 12 | do | Port Rush, Ireland, to St John, N.B. | Brigantine... | 294 | During the voyage | Loss of sails | Stress of weather. | .... | do | 750 |
| do 12 | British Queen. | 16 | Windsor, N.S. | London, G.B., to Sandy Hook, U.S. | to Ship. | 1195 | Off the North Foreland, G.B. | Collision. | Run into while at anchor. | .... | do | 1,250 |
| Mar. 16 | Belle Walters. | 9 | St. John, N.B. | Bristol Channel to Delaware Breakwater, U.S. | Barquentine | 400 | During voyage. | Damaged at sea. | Stress of weather. | .... | do | 420 |
| ..... | Beaconsfield. | new | Pictou, N.S. | Pictou, N.S., to Liverpool, G.B. | Barque. | 671 | Not known. | Sprung a leak. | Not known. | ..... | do | Not known. |
| Nov. 27 | Belle. | new | Charlottetown, P.E.I. | Poole, G.B., to Charlottetown, P.E.I. | Brigantine... | 199 | Atlantic Ocean. | Disasted & abandoned | Stress of weather. | .... | Total. | 8,000 |
| Sept. 14 | C. W. Anderson. | 6 | Halifax, N.S. | Halifax, N.S., to Ponce, Porto Rico. | to Schoonet.... | 97 | do | Disasted. | do | ..... | Partial. | Unknown. |
| Dec. 4 | Chilian Wallah. | 11 | Pictou, N.S. | New York, U.S., to Antwerp. | to Brigantine... | 299 | 180 miles from Bermuda. | Abandoned at sea. | Sprung a leak. | .... | Total. | 9,000 |
| do 31 | D. F. Brown. | 6 | Liverpool, N.S. | New York, U.S., to Liverpool, N.S. | do | 157 | Lat. 42° 46' N, Lon. 65° 17' W. | Hove on beam ends. | Stress of weather. | ..... | Partial. | 3,000 cargo 9,000 |

| May 28 Dunsyre..... | new Quebec..... | Quebec to Liverpool, G.B. | Ship..... | 1083 Point St. Valier, R. St. Lawrence. | Fault of tug..... | do | 15,000 |
|--------------------------------|-------------------------------|---|---------------|---|------------------------------------|-------------------------|-------------------------|
| Oct. 17 Decoré..... | 2 Halifax, N.S. | Windsor, N.S., to New York, U.S. | Schooner..... | 184 Near Plum Island, Long Island Sound, U.S. | Collision..... | Total..... | 10,000 cargo 400 |
| do Eddie & Willie | 5 St. John, N.B. | St. Martins, W.I., to Eastport, U.S. | do | 148 Canal Flats, Vine- yard Haven, U.S. | Stranded..... | Partial.. | 2,400 |
| Nov. 5 Endeavor | 5 Charlottetown P.E.I. | West Point, P.E.I., to Campbellton, do | do | 15 Entrance to Mar- garee Harbour, N.S. | do | do | 200 |
| Dec. 3 Evading | 4 Lunenburg, N.S. | Charlottetown to New York, U.S. | do | 148 Not known..... | Dismasted and passed direct. | 6 Total..... | 5,000 cargo 1,400 |
| Nov. 25 Empress of In- dia. | 1 St. John, N.B. | Pabillon de Pica, S.A. to Queenstown, G.B. | Ship..... | 1713 Bremerhaven, Hol- land. | Stranded..... | do | 95,000 cargo 125,000 |
| Dec. 20 Electa..... | 5 Chatham, N.B. | Picton, N.S., to Bar- badoes, W.I. | Schooner.... | 76 Lat. 37° 9' N., Lon. 56° 56' W. | Dismasted .. | do | 3,300 cargo 2,000 |
| do 13 Flag of Truce.. | 39 Port Hawkes- bury, N.S. | Not known..... | do | 25 Off Jeddore, Hal- ifax County, N.S. | Stranded | do | Not known. |
| do 10 Florence May.. | 5 Windsor, N.S. | Baltimore, U.S., to Peruambuco. | Brigantine... | 213 360 miles N.E. of Bermuda. | Damaged at sea. | 3 Partial.. | 1,000 cargo 4,800 |
| do 5 Glanmire..... | 5 St. John, N.B. | St. Thomas, W.I., to New York, U.S. | Schooner.... | 120 On voyage..... | Collision..... | Total..... | 5,000 |
| do 5 Gladiator..... | 14 Yarmouth, N.S. | Antigua, W.I., to Yarmouth, N.S. | do | 124 14 miles off Anti- gua. | Loss of spars and sails. | Partial.. | 250 |
| Oct. 7 G. M. Jones.... | 7 Halifax, N.S. | Amboy, N.S., to Halifax. | Brig..... | 249 South of Martha's Vineyard, U.S. | Foundered... | 9 Total.... | 12,000 |
| Sept. 18 G. F. DeForest | 10 St. John, N.B. | Pubnico, N.S., to Crookhaven, G.B. | Schooner.... | 74 Cape Rouge, N.S. | Stranded.... | do | 3,500 |
| Nov. ... Geo H. Oulton | 6 do | New York, U.S., to Bristol, G.B. | to Ship..... | 1152 During the voyage | Loss of sails. | Stress of wea- ther. | 1,000 |
| Oct. 13 Gold Finder... | 7 do | Nashwaak, N.B., to St. John, N.B. | Schooner.... | 59 Vanward's Point, River St. John. | Collision | do | 100 |

SUPPLEMENT to the Statement of Wrecks and Casualties to Sea-going Vessels—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from— Port bound to. | Rig. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|------------------|------|----------------------|--------------------------------------|------------------|---|---------------------|--------------------------------------|-------------|------------------------|-------------------|
| | | | | | | | | | | | \$ |
| 1877. | | | | | | | | | | | |
| Oct. 23 | Hadjj..... | 5 | Sunderland, G.B. | Pictou, N.S., to Montreal. | Steamer..... | Cape Traverse, P.E.I. | Stranded..... | Error of judgment. | ..... | Partial..... | Trifling. |
| Nov. 8 | do | 5 | do | Quebec to Pictou, N.S. | do | Off Bellechasse Light, Gulf St. Lawrence. | Collision..... | Want of light on board "St. Joseph." | ..... | ..... | No damage. |
| do | Hawk | 8 | Halifax, N.S. | Cheticamp, N.S., to Halifax, N.S. | Schooner.... | Off Marie Joseph, N.S. | Stranded..... | Not known..... | ..... | Total ... | 800 cargo 4,000 |
| Dec. 23 | Idlewilde..... | 1 | Charlottetown P.E.I. | Cadiz, Spain, to Cumcepe, P.E.I. | Brigantine .. | 1/2 mile West of Cape George, N.S. | do | Fog..... | ..... | do | 8,000 cargo 1,500 |
| Nov. 23 | Julia A. Mirritt | 5 | St. John, N.B. | Dundalk Island, to Sydney, C.B. | do | Pwllhell, North Wales. | do | Stress of weather. | ..... | Partial..... | Trifling. |
| Dec. | John Boyd | 4 | Digby, N.S..... | Boston, U.S., to Cork, Ireland. | Barque | During voyage..... | Damaged by sea. | do | 1 | Total ... | 3,000 cargo 2,000 |
| do | Jessie Hoyt.... | 5 | St. John, N.B. | Sydney, N.S. to St. John, N.B. | Schooner..... | Joseph's Bay, N.S. | Stranded | do | ..... | Partial..... | 3,700 |
| Nov. 14 | Jane Wright... | 6 | do | Richibucto, N.B., to Liverpool, G.B. | to Barquentine | Mersey River, G.B. | Collision..... | do | ..... | do | 4,500 |
| Dec. 13 | Jane Wright... | 6 | do | Liverpool, G.B., to St. John, N.B. | do | Lat. 47° 17' N.; Lon. 14° 24' W. | Sprung a leak. | do | ..... | do | 2,000 |
| do | J. M. S..... | 3 | Charlottetown P.E.I. | At Pensacola, U.S. | Schooner..... | Pensacola Harbor, U.S. | Loss of spars &c. | Hurricane ..... | ..... | do | 3,000 |
| Nov. 15 | Julia Lingley.. | 11 | St. John, N.B. | New York, U.S., to London, G.B. | to Brigantine... | During the voyage | Sprung a leak. | Stress of weather. | ..... | do | 1,279 |

| do | ... | James Dwyre. | 113 | Halifax, N.S. | Boone Bay Wh'd., to Schooner. | 99 | Glace Bay Beach, Stranded | Error of judgment. | do | 1,800 |
|-------|-----|------------------|-------|-----------------------|---|------|--|--|----------|------------|
| do | 11 | Kentigern | new | St. John, N.B. | Greenock, G.B., to New York, U.S. | 825 | Lat. 56° N.; Lon. 15° W. Loss of spars on beam-ends. | Stress of weather. | do | 10,000 |
| July | 25 | Lake Megantic | 2 | Montreal | Liverpool, G.B., to Montreal, P.Q. | 1445 | Quebec Harbor | Fault of "America," | do | 30 |
| Oct | 7 | Lord Dufferin | 1 | Sydney, C.B. | St. John, N.B., to Wexford, Ireland | 210 | Wexford Bar, Ire-land. | In charge of Pilot. | do | 1,000 |
| do | 11 | Lake Superior | 8 | Montreal | Liverpool, G.B., to Montreal, P.Q. | 1274 | Off the Pilgrims, River St. Lawrence. | Mistook vessel's riding lights for "Pilgrims." | | No damage. |
| Nov. | 15 | Lorraine | 9 | Quebec | Montreal, P.Q., to Queenstown, Ireland | 315 | Off Rimouski and Bic, River St. Lawrence. | Sprung a plank and pumps choked. | Partial. | Trifling. |
| Sept. | 17 | Lara | 5 | Halifax, N.S. | At Anchor | 948 | River Mersey | Collision with steamer "Zephyr." | do | 626 |
| July | 20 | Louisa | 14 | do | Demerara, B.G., to Halifax, N.S. | 252 | Dover Head, N.S. | Stranded. | Total | 4,000 |
| Sept. | 15 | Little Harry | 4 | St. John, N.B. | Deal, G.B., to Charlottetown, P.E.I. | 380 | 5 Miles off Dungeness, G.B. | Collision | Partial. | 1,000 |
| Dec. | 19 | LeRoy | | Amherst, N.S. | Marie Joseph, N.S., to Boston, U.S. | 77 | West entrance to Harbor, N.S. | Stranded. | do | 60 |
| Nov. | 10 | Mary A. Marshall | 10 | Sunderland, G.B. | Philadelphia, U.S., to Cork for orders. | 531 | Lat. 39° 56' N., Lon. 61° 33' W. | Damaged by sea. | do | Not known. |
| do | 10 | Moss Glen | 4 | St. John, N.B. | Richmond, U.S., to Halifax, N.S. | 194 | Chebucto Head, bearing N.-W 8 miles. | Loss of sails | do | 320 |
| Dec. | 25 | Morning Dew | 5 | St. John, N.B. | Sharpness, G.B., to Doboey, U.S. | 328 | N.-E. point of Buvini Island. | Stranded | Total | 17,000 |
| do | 31 | Midas | 7 | Charlottetown, P.E.I. | Charlottetown, to Queenstown, Ireland | 399 | Camden Point, Queenstown Har- bour. | do | Partial. | 625 |

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from. — Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|-----------------|-------|-----------------------|-------------------------------------|------------|-------------------|-----------------------------------|---------------------|---------------------------|-------------|------------------------|---------------------|
| Dec. 7 | Niilo | 7 | St. John, N.B. | Chapand, P.E.I., to Vineyard Haven. | Schooner | 84 | Off Eaton's Rock, Long Isld, U.S. | Collision | Fault of str. "Elm City." | ..... | Partial. | \$ 450 |
| do | Maggie A..... | n.w. | Charlottetown, P.E.I. | Georgetown, P.E.I., to Mumbles. | Brigantine | 240 | Port Hastings, N.S. | Stranded | Stress of weather. | ..... | do | 850 |
| Nov. 14 | Mary Pickard.. | 3 | St. John, N.E. | St. John, N.B., to Boston, U.S. | Schooner | 89 | Deer Island, Bay of Fundy. | do | do | ..... | do | 89 |
| 18 Aug. 18 | Madras..... | 23 | Port Glasgow. | Glasgow to Quebec. | Bark | 1250 | Green Island, Riv. St. Lawrence. | do | Fog | ..... | do | Unknown. |
| Oct. 17 | Mary Lawton.. | 8 | Yarmouth, N.S. | Baltimore to London-derry. | do | 743 | Lat. 44° N., Lon. 48° W. | Damaged at sea. | Stress of weather. | ..... | do | 2,000 cargo, 10,000 |
| do | Mary Almida.. | ..... | Quebec..... | Quebec to Glasgow. | Schooner | 95 | Point St. Peter, Gaspe. | Stranded | do | ..... | Total | 2,800 |
| Dec. 31 | Magenta | 4 | Windsor, N.S. | Cork, Ireland, to Bermuda. | Brigantine | 327 | Murray's Reef, Bermuda. | do | do | ..... | Partial | 4,000 |
| Sept. 14 | Natant..... | 2 | Yarmouth, N.S. | Quebec to Greenock. | Ship | 1072 | Sandee Island, entrance to Clyde. | Loss of mizenmast. | Squall | ..... | do | 6,000 |
| Oct. 16 | New Dominion | 6 | Halifax, N.S. | Pictou, N.S., to Antigonish, N.S. | Schooner | 44 | Antigonish Bar | Stranded | Stress of weather. | ..... | do | 500 |
| Dec. 15 | Nebo | 9 | Turks Island, W.I. | Casumpec, P.E.I., to New York. | Brigantine | 175 | Off East Point, P.E.I. | Foundered | do | ..... | Total | 5,000 cargo, 2,000 |
| Nov. 27 | Nazarine | 12 | Halifax, N.S. | Petit Goniene, Hayti, to New York. | do | 151 | Jones' Reef, Inagua. | Stranded | Fog | ..... | Partial | 6,000 |

| do | 13 Para. | 3 | St. John, N.B. | Dublin to St. John, N.B. | do | 281 | Kiab Light, W. S.-W., 4 miles. | Dismasted... | do | do | do | 1,000 |
|-------|----------|----------------|----------------------|---|------------|------|-----------------------------------|--------------------------|----|-----------------------------------|---------|--------------------|
| Dec. | 2 | Prince Patrick | do | London to South-West Pass, U.S. | Ship | 1059 | In the Downs, G.B. | Collision | do | River Ganges gave her foul berth. | do | 1,570 |
| Oct. | 15 | Rubina | St. John, N.B. | Ballyshannon, to Sydney, C.B. | Schooner | 137 | During the voyage | Loss of spars | do | Stress of weather. | Partial | 1,800 |
| Aug. | 6 | Rosend Castle | new | Newcastle on Tyne, G.B. | Steamer | 1126 | Off Champlain, River St. Lawrence | Stranded | do | Low water | do | No damage. |
| Nov. | 4 | Rhone | Halifax, N.S. | New York to St. Michaels, Azores. | Brigantine | 227 | Atlantic Ocean | Strung a leak | do | Stress of weather. | Partial | 8,000 cargo 6,000 |
| do | 19 | Resoluda | do | Bett's Cove, Nfld, to Liverpool. | Barque | 587 | Concyne Nfld. | Foundered | do | do | Total | 15,000 |
| do | 9 | Superb | Sydney, C.B. | Louisburg, C.B., to Big Glace Bay, C.B. | Schooner | 53 | Big Glace Bay, C.B. | Stranded | do | Chains parted. | do | 600 |
| Oct. | 25 | Snow Queen | Halifax, N.S. | Quebec to Bristol, G.B. | Barque | 984 | Atlantic Ocean | Loss of spars and sails. | do | Stress of weather. | Partial | 3,000 |
| Dec. | 5 | Susan M Dudman | Yarmouth, N.S. | Philadelphia to Bremen. | do | 745 | Lat. 38° N, Lon. 65° 44' W. | Leaky and other damage | do | do | do | 10,000 cargo 3,000 |
| Nov. | 25 | St. Lawrence | Newcastle, G.B. | San Francisco to Burrard Inlet, B.C. | Ship | 1095 | S. W. entrance to Active Pass. | Stranded | do | Hawser parted | do | 10,000 |
| do | 22 | St. Hubert | Charlot'town, P.E.I. | Casumpec, to Queenstown. | Schooner | 129 | Judique Shoals, C.B. | do | do | Fog | Total | 6,000 |
| Sept. | ..... | Sabrina | Halifax, N.S. | Sydney, C.B., to Aspey Bay, C.B. | do | 52 | Aspey Bay, C.B. | do | do | Stress of weather. | do | 2,000 |
| Nov. | 8 | Soulanges | St. John, N.B. | St. John, N.B., to Fredericton, N.B. | Steamer | 201 | Akerly's Point, St. John River. | Collision | do | Error of judgment. | Partial | 1,000 |
| do | ... | S. H. Sweet | Windsor, N.S. | Limerick to Sydney, C.B. | Schooner | 208 | Not known | Not known | do | Missing | 8 Total | 7,000 |
| April | 16 | Sabina | Arichat, C.B. | ..... | Brigantine | 242 | Lat. 35° 23' N, Lon. 76° 37' W. | Foundered | do | Stress of weather. | do | 4,000 |
| Nov. | 18 | Spray Bloom | do | Pictou to Matanzas, Cuba. | Brig | 322 | North Atlantic | Damaged at sea. | do | do | Partial | 7,500 cargo 600 |

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from.— Port bound to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives lost. | Total or Partial Loss. | Amount. |
|-------------------|-------------------|-------|----------------------|--------------------------------------|---------------|-------------------|----------------------------------|---------------------|-------------------------|-------------|------------------------|-----------------|
| Dec. | The Charley... | 2 | Parrsboro', N.S. | Londonderry, N.S., to United States. | Brigantine... | 223 | During the voyage | Loss of sails. | Stress of weather. | ..... | Partial. | \$ 1,700 |
| do 21 | Ulalume..... | 4 | St. John, N.B. | St. Martins, W.I., to Yarmouth, N.S. | Schooner... | 95 | 90 miles from Hatteras. | do | do | ..... | do | 3,000 |
| do 15 | Voltaire | 43 | Charlottet'n, P.E.I. | At Souris, P.E.I..... | do | 36 | Souris, P.E.I..... | Stranded..... | Parted moorings. | ..... | Total.... | 300 |
| do 8 | William B..... | 5 | Pictou, N.S.... | Port Caledonia to Halifax, N.S. | do | 159 | Port Caledonia, C.B. | do | Struck a sunken anchor. | ..... | do | 6,000 cargo 300 |
| Oct. 29 | Wesley & Seymour. | 6 | Parrsboro', N.S. | Bound to Sables d'Alonne. | Brigantine.. | 358 | Entrance to Sables d'Alonne. | do | Error of judgment. | ..... | Partial.. | 2,300 |
| May 7 | Whisper | 11 | Halifax, N.S... | Not known..... | Schooner.... | 28 | Coast of Newfoundland. | do | Stress of weather. | ..... | Total.... | 1,100 |
| do 21 | Wave..... | ..... | American..... | Plymouth, Mass., to Grand Banks. | do | 53 | Grand Banks..... | Dismissed..... | Squall.. | ..... | Partial.. | 200 |
| July 9 | Wellington | 12 | Windsor, N.S. | Chatham to London. | Ship..... | 1006 | Lat. 45° 20' N., Lon. 54° 16' W. | Collision..... | Fog..... | ..... | do | 7,000 |
| Dec. ... | W. W. Lord... | 10 | Pictou, N.S.... | Whycomah, C.B., to Leith, G.B. | Brigantine.. | 272 | Peter's Ledges, C.B. | Stranded..... | Stress of weather. | ..... | Total.... | 6,000 |

SUPPLEMENT to the Statement of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada, during the Calendar Year of 1877.

| Date of Casualty. | Name of Vessel. | Age. | Port of Registry. | Port sailed from. Port sailed to. | Rig. | Register Tonnage. | Place where Casualty happened. | Nature of Casualty. | Cause of Casualty. | Lives Lost. | Total or Partial Loss. | Amount. |
|-------------------|-----------------|-------|-------------------|--|---------------|-------------------|--------------------------------------|---------------------|--------------------|-------------|------------------------|------------|
| Aug. 11 | Alex. Jones.... | 12 | Amherstburg, Ont. | Williamsburg, Ont., to Babbit's Dock, Ont. | Steamer..... | 11 | Babbit's Dock..... | Burnt..... | Unknown..... | ..... | Total..... | \$ 1,000 |
| Nov. 2 | Flying Scud.... | 10 | Kingston, Ont. | Oswego, U.S., to West Point. | Sloop..... | 63 | McDowell's Point, Fredericksburg. | Stranded..... | Parted chains..... | ..... | Partial.. | 1,000 |
| No date. | Rising Star.... | ..... | American..... | Chicago to Oswego.. | Schooner, ... | Not known | Old Cut near Port Rowan. | do | Error of judgment. | ..... | do ... | Not known. |

APPENDIX No. 6.

REPORT ON THE LOSS OF THE STEAMSHIP "LAKE MEGANTIC,"

Made after an investigation held by the Quebec Harbour Commissioners under the authority of an Order in Council, dated the 29th August, 1878, constituting said Harbour Commission a Court or Tribunal to hold a formal investigation into the wreck of the steamships "Lake Megantic" and "Blenheim."

QUEBEC, 19th September, 1878.

Pursuant to an Order in Council, dated Government House, Ottawa, 29th August 1878, appointing the Harbour Commissioners of Quebec a Court or Tribunal to hold a formal investigation into the wreck of the steamship "Lake Megantic," in accordance with provisions of the 4th section of the Canadian Act, 37 Victoria, cap. 39, and the 5th section, Act 32-3 Victoria, cap. 38, a quorum of the members of the Quebec Harbour Commission met at their office, Custom House, City of Quebec, 10th September, 1878, and having taken the oath prescribed by law, opened the investigation into the loss of the steamship "Lake Megantic;" continued same next day, and on the 14th September; only available witnesses being Captain Battersby, John Davidson (2nd mate), who holds master's certificate, John Walsh (fireman), and Mr. F. Carbray, the agent of the steamer in Quebec; also examined ship's log-book, signed by Captain Battersby, Wm. Kinning, 1st officer, and others, and ship's protest attested to by same.

The Court was assisted in its deliberations by Mr. R. Alleyne, Q.C., and Mr. F. Gourdeau, Acting Harbour Master. The Captain and owners of the steamship "Lake Megantic" were represented by Hon. A. R. Angers.

The steamship "Lake Megantic;" of Montreal, registered tonnage 1,445, gross 2,019, owned by Canada Shipping Company, barque-rigged, Clyde-built of iron, commanded by Captain John Battersby, who holds certificate of competency as master No. 18,072, sailed from Quebec on the morning of 20th July, with a crew of 44, 13 cabin passengers, 13 men in charge of cattle, laden with a general cargo from Montreal, and 226 horned cattle, bound for Liverpool; discharged pilot same evening; passed Cape Magdalen at 10 a.m. on 21st, weather hazy; shaped course to pass ten miles off South Point, Anticosti; made said light about 10:30 same p.m., altered course to S.S.E.: owing to smoke from funnel the four-point bearings could not be taken, and ship's distance from the light, which was passed at 11 p.m., was estimated by chief officer at eight miles, and by Captain Battersby at five miles. No east of the lead was then or subsequently taken. At 11:15 course was altered to S.E. by S. and at 11:30 to east $\frac{3}{4}$ south; at 12:15 a.m. on 22nd, land was seen on port bow, helm was put hard a port, but in about two minutes she struck a reef off Otter River Point, situated eight miles east of South Point, and has since become a total wreck. The weather at the time was raining and misty, with strong south-east gale. After the occurrence all that could possibly be done was attended to by Captain Battersby, and in due course passengers, cattle-men, and crew were safely landed on Anticosti. The ship was insured for £35,000; there was also insurance on most of the cargo; a very small portion of the latter was brought to Quebec and sold at auction. The cattle were also a total loss, as such of them as were not drowned strayed on the island and could not be recovered.

JUDGMENT.

The Court is of opinion that considering the weather which existed at the time the "Lake Megantic" made South Point, Captain Battersby should not have contented himself with a mere estimate of ship's distance off the light, but should have verified it by using his lead, when he would have found himself dangerously close to shore, as the course steered and the subsequent wreck of his vessel proved him to have been. Further, the Court is of opinion that the light at South Point was all that was necessary to give ship a good departure; and to attempt to coast Anticosti in such weather as prevailed that night in order to pass five miles off Heath Point light, as Captain Battersby deposes to have been his intention, was extremely imprudent, and should entail a heavier penalty on Captain Battersby than the Court is disposed to inflict. The Court therefore decides, in virtue of its authority, to suspend the certificate of said Captain Battersby, and doth hereby suspend said certificate for a period of three calendar months from 19th instant.

A. WOODS. *Chairman.*
 WILLIAM RAE,
 J. H. SIMMONS,
 E. W. SEWELL,
 JOSEPH PLAMONDON,
 JOSEPH SHEHYN,
 RICHARD DOBELL,
Quebec Harbour Commissioners.

A. H. VERRET,
Sec.-Treas. Quebec Harbour Commissioners.

I hereby certify the judgment given in this case 8th October, 1878.

A. J. SMITH,
Minister of Marine and Fisheries.

APPENDIX No. 7.

REPORT ON THE LOSS OF THE STEAMSHIP "BLENHEIM,"

Made after an investigation held by the Quebec Harbour Commissioners under the authority of an Order in Council, dated the 29th August, 1878, constituting said Harbour Commissioners a Court or Tribunal to hold a formal investigation into the wreck of the steamships "Lake Megantic" and "Blenheim."

QUEBEC, 19th September, 1878.

Pursuant to an Order in Council, dated Government House, Ottawa, 29th August, 1878, appointing the Harbour Commissioners of Quebec a Court or Tribunal to hold a formal investigation into the loss of the steamship "Blenheim," in accordance with provisions of the 4th section of the Canadian Act, 37 Victoria, chapter 39, and the 5th section, Act 32-3 Victoria, chapter 38, a quorum of the members of the Quebec Harbour Commission met at their office, Custom House, City of Quebec, 10th September, 1878, and having taken the oath prescribed by law, opened the investigation into the loss of the steamship "Blenheim;" continued same 12th, 13th and 14th instant; only available witnesses being Captain Holman, R. T. Barrow, chief officer, Joseph Griffiths, chief engineer, and Captain J. H. C. Leahy, surveyor United Kingdom Mutual Steamship Association; also examined ships protest signed by Captain Holman, chief officer, second officer and others, and attested copy of ship's official log signed by same parties.

The Court was assisted in its deliberation, by Mr. R. Alleyn, Q.C., and Mr. F. Gourdeau, acting Harbour Master. The captain and owners of the "Blenheim" were represented by the Honorable A. R. Angers.

The steamship "Blenheim" was an iron steamer, four years old, brig rigged, of Exeter, England, classed 20 years A 1, John Holman, of England, being registered and managing owner; tonnage 1,307, gross 2,021; sailed from Newport in Wales in ballast, bound to Montreal 24th July last, commanded by Ambrose Crudy Holman, who holds certificate of competency as master No. 11,428; passed Father Point 5th August, and proceeded to northward of Bic to obtain a pilot, erroneously under the belief that pilotage ground began at latter station, from the supplement to "Light-houses of the World," published by R. H. Lawrie, London, edited by A. G. Findlay, F. R. G. S., and published in 1878. About noon, some distance below Bic, it became foggy, and heard gun of Bicquette 2:30 p. m., stopped and went dead slow alternately, used the steam-whistle and sounded constantly, hoping momentarily for fog to lift and obtain pilot, standing off and on in the meanwhile, keeping ship in deep water; at 6 p.m. got anchor to house pipe intending to stand into anchorage ground and let go anchor, if pilot did not reach ship before dark; 7:30 p.m. got glimpse of Bicquette light, bearing to all appearance about south-east, distant eight miles.

Ship was kept going slow on south-west course; at 8:10 p.m. a schooner was seen (fog having lifted a little) to the southward, with mainsail and foresail set, which was taken for pilot schooner.

A blue light was burned as a signal on board the "Blenheim," which was replied to by the schooner showing a bright white light over the rail abaft main mast, which was taken by the "Blenheim" to be pilot signal; helm was put to starboard and ship put on a course south by east, going slow to make the schooner; rope ladder was put over the side, and preparations made to receive the pilot, when at 8:25, the ship struck on what was afterward ascertained to be north-west reef of Bicquette.

There were only ten feet of water under foremast and eleven fathoms aft.

Steam pumps, men, and materials were obtained from Quebec, and everything possible that could be done to save the ship was attended to; but on 26th August a heavy gale from westward sprung up which made the "Blenheim" a total wreck.

The schooner that showed the bright light turned out to be the "Diver," a wrecking vessel at work on the remains of the steamship "Strahtay"; they stated the light was shown, as they feared it was a tug-boat going to run them down, but the excuse was valueless, as they were anchored inside the reef.

The judgment of the Court, therefore, is that, although it was questionable policy in Captain Holman to cruise in such a dangerous locality in search of a pilot, he used every precaution to keep his ship in safety, and that the loss would not have occurred had it not been for the schooner "Diver" acting unintentionally as a decoy; it therefore exonerates Captain Holman and returns him his certificate.

The Court is of opinion that a distinct fog-signal should be used by pilot schooners to distinguish them, as in all probability one was close to the "Blenheim" that afternoon, and there was no means of ascertaining it. Further the Court recommends that a bell-buoy be placed on this dangerous reef, where two steamers have already been lost, and other accidents happened; also that schooners engaged in such a locality for wrecking purposes should be compelled by law to exhibit a red light by night, and red flag by day, as is done in England.

A. WOODS, *Chairman.*

WILLIAM RAE,

J. H. SIMMONS,

E. W. SEWELL,

JOSEPH PLAMONDON,

JOSEPH SHEHYN,

RICHARD DOBELL,

Quebec Harbour Commissioners.

A. H. VERRET,

Secretary-Treasurer, Quebec Harbour Commissioners.

I hereby confirm the judgment given in this case, 8th October, 1878.

A. J. SMITH,

Minister of Marine and Fisheries.

APPENDIX No. 8.

REPORT OF THE QUEBEC HARBOUR COMMISSIONERS ON THE LOSS
OF THE GOVERNMENT STEAMSHIP "LADY HEAD."

Pursuant to an Order in Council, dated Government House, Ottawa, 3rd September 1878, appointing the Harbour Commissioners of Quebec, a court or tribunal in accordance with the provisions of the 4th section of the Canadian Act 37 Viet., chap. 39, and the 5th section Act 32 and 33 Viet., chap. 38, a quorum of the members of the Quebec Harbour Commissioners met at their office, Custom House, City of Quebec, 24th September 1878, and, having taken the oath prescribed by law, opened the investigation into the loss of the steamship "Lady Head," continued it until 25th and 30th of the same month, and concluded on the 14th instant, witnesses being: Napoleon Lavoie, fishery officer; Cyprien Morin, sailing master; Achill Boucher, 1st officer; Nazaire Deroy, 2nd officer; Phillippe Fraser, sailor, and L. A. Blanchet, clerk in Marine and Fisheries Department, Quebec.

The steamship "Lady Head," registered tonnage two hundred and eight-three, owned by the Government of the Dominion of Canada for the protection of the fisheries, sailed from Ellis Bay, Anticosti, near the West Point Light at 7.35 p.m., ninth of August, weather fine and calm. At about 10.30 p.m., it became overcast and hazy, and a few minutes after midnight fog set in, which momentarily increased in density, till one a.m., when engines were slowed. At about 1.30 the lookout-man called out "land ahead," the engines were stopped and reversed, but the ship immediately took the ground and remained fast on what was afterwards ascertained to be Point Jaune, eight miles west of Fox River.

Pumps, men and material were obtained in due course, every exertion was made to save her, but without avail, and she became a total wreck.

The "Lady Head" had a crew of 26 hands all told, was commanded by Napoleon Lavoie, fishery officer, who held his appointment direct from the Marine and Fisheries Department, Ottawa, and by same authority he selected officers and crew. No articles were signed and the legal means of enforcing discipline on board was thus wanting.

Commander Lavoie appointed Cyprien Morin, who held second class certificate as master, to navigate the vessel; Achille Boucher as 1st mate; Nazaire Deroy, 2nd mate, neither of whom held certificates, and in event of the sailing master being off duty from sickness or otherwise, there was no one on board who could pretend to navigate the vessel with safety.

The commander seems to have occupied a peculiar position; he only commanded in port, and the sailing master had charge at other times. In this way, there was a divided authority which was subversive of discipline.

On the night in question, the ninth of August, Boucher, the first mate, went on duty at eight o'clock off West Point Light, and the sailing master gave him the course to make Cape Rosier Light. In his evidence, the sailing master states he had no confidence in the accuracy of his first or second mate, yet on this short voyage from Anticosti to Gaspé, he went below about 9.30 p.m. and did not return to the deck till 12.20 a.m., at which time the weather was very foggy, and on going on the bridge, where second mate was in charge, having relieved first mate at midnight, he found the compass lights out, and the officer on duty quite unconcerned at the circumstance. He then enquired of the "lookout" if he had seen Cape Rosier Light, and was answered in the negative. How he could have expected it to have been seen

at that time, does not appear. He then went aloft to try if he could see over the fog, and remained there fifteen or twenty minutes. On returning to deck he ordered the engines to be put at half speed, gave orders to haul in the patent log and found forty-five or forty-six miles of distance was recorded, went below to examine his chart, returned on deck just in time to hear signal from bridge, "to stop the engines," ran there himself and ordered them "full speed astern." In about two or three minutes the ship was hard and fast ashore about ten miles out of her course, in a voyage of less than fifty miles. During the previous hour and a half of dense fog the ship was crossing the path of upward and downward steamers and sailing ships, yet the regulation to sound the steam whistle was entirely neglected, nor was the lead once used. Altogether, it has become painfully apparent to the Commissioners that there was an entire absence of discipline on board, and a condition of things existing that made the loss of the vessel only a question of time.

JUDGMENT.

The Court decides in virtue of its authority to suspend the certificate of Cyprien Morin for a period of six calendar months from the sixteenth instant, and finds that first and second mates were incompetent to fulfil the duties they had to perform.

QUEBEC, 16th October, 1878.

A. WOODS,

Chairman.

JOSEPH SHEHYN,
JOSEPH PLAMONDON

WILLIAM RAE.

E. W. SEWELL,

J. H. SIMMONS.

A. H. VERRET,

Secretary-Treasurer Q. H. C., Clerk of the Court.

Confirmed,

J. C. POPE,

Minister of Marine and Fisheries.

 APPENDIX No. 9.

 BOARD OF EXAMINERS OF MASTERS AND MATES.

HALIFAX, 3rd December, 1878.

SIR,—In obedience to the instructions contained in your telegrams, dated the 15th and 16th November, to hold an investigation into the cause of the loss of the schooner "Mabel Claire" upon the coast of Labrador, on the 22nd October last, I have the honor to inform you that no time was lost in forwarding the necessary subpoenas to those parties required to give evidence in this case.

The examination of the witnesses commenced on Wednesday, the 27th ult., at 10 a.m., and ended at 1 p.m., on the 29th.

Having very carefully weighed the evidence from beginning to end, I am led to the conclusion that the loss of the "Mabel Claire" was caused by the pilot who had charge of her mistaking the position of the ledge, and as the vessel struck with great force, she sustained such serious damage as to render it impossible to get her afloat again.

An attempt was made immediately to lighten the vessel by jettisoning the cargo, but as it was near high water at the time she struck, when the tide fell she strained badly, and started her "hooding or wooden ends." A survey was held the same day, and the perishable part of the cargo sold for \$700.

During the ebb-tide on the morning of the 23rd, she fell over on her starboard broadside, and as it was deemed impossible to save her a second survey ordered the hull and cargo to be sold. The master of the schooner "Polar Star" bought the hull, and after stripping the vessel and cutting away the lower masts, he landed the most of it in a place of safety. The hull brought \$275. The remainder of the cargo was bought by a son of the master of the "Polar Star" for \$225, but was not recovered, as owing to the lateness of the season they had to leave the coast and return home.

It will be seen that every reasonable effort was made to save the vessel and cargo, there being nothing in evidence to prove collusion between the master and pilot to defraud the underwriters.

I have the honor to be, Sir,
Your most obedient servant,

P. A. SCOTT,
Captain.

The Deputy of the Minister
of Marine, &c.
Ottawa.

APPENDIX No. 10.

REPORT OF THE CHAIRMAN OF THE BOARD OF EXAMINERS OF
MASTERS AND MATES FOR THE CALENDER YEAR ENDED
31ST DECEMBER, 1878.

HALIFAX, N.S., 2nd January, 1879.

SIR,—I have the honour to submit a Report of the proceedings of the Board of Examiners of Masters and Mates, to the 31st December, 1878.

The Board sat at the Ports of Halifax, N.S., St. John, N.B., Charlottetown, P. E. I., Quebec and Yarmouth, N.S., as follows:—

At Halifax, N.S., on 3rd and 4th January.

| | |
|--|---|
| Masters who obtained Certificates..... | 3 |
| Mate do do | 1 |

At St. John, N.B., on 17th and 18th January.

| | |
|--|---|
| Masters who obtained Certificates..... | 2 |
| Mate do do | 1 |

At St. John, N.B., on 14th and 15th February.

| | |
|--|---|
| Master who obtained a Certificate..... | 1 |
| Mate do do | 1 |

One Candidate for the grade of Mate having failed in Seamanship.

At Halifax, N.S., on 19th and 20th February.

| | |
|--|---|
| Master who obtained a Certificate..... | 1 |
| Mate do do | 1 |

At Charlottetown, P.E.I., on 9th and 11th March.

| | |
|--|---|
| Masters who obtained Certificates..... | 2 |
| Mate do do | 1 |

Two Candidates for the grade of Master having failed in Navigation, and one for Mate in Seamanship.

At St. John, N.B., on 19th and 20th March.

| | |
|---|---|
| Masters who obtained Certificates including one for "Fore and Aft rigged Vessels," only | 4 |
| Mates who obtained Certificates..... | 3 |

One Candidate for the grade of Mate having failed in Navigation.

At Halifax, N.S., on 22nd and 23rd March.

| | |
|--|---|
| Master who obtained a Certificate..... | 1 |
| Mate do do | 1 |

One Candidate for the grade of Master and one for that of Mate having failed in Navigation.

At St. John, N.B., on 10th and 11th April.

| | |
|--|---|
| Masters who obtained Certificates..... | 2 |
| Mates do do | 3 |

Two Candidates for the grade of Master having failed in Navigation.

At Quebec, on 15th and 16th April.

| | |
|--|---|
| Masters who obtained Certificates..... | 2 |
| Mate do do | 1 |

One Candidate for the grade of Mate having failed in Navigation.

At Halifax, N. S., on 23rd and 24th April.

| | |
|--|---|
| Masters who obtained Certificates..... | 5 |
| Mates, including one for a four and aft rigged vessel, only..... | 3 |

At Charlottetown, P. E. I., on 6th and 7th May.

| | |
|--|---|
| Masters who obtained Certificates..... | 2 |
| Mate do do | 1 |

At St. John, N. B., on 10th and 11th May.

| | |
|--|---|
| Masters who obtained Certificates..... | 3 |
| Mate do do | 1 |

Four Candidates for the grade of Master having failed in Navigation.

At Halifax, N. S., on 21st and 22nd May.

| | |
|--|-----|
| Masters who obtained Certificates..... | 2 |
| Mate do do | Nil |

One Candidate for the grade of Master having failed in Navigation.

At St. John, N. B., on 6th and 7th June.

| | |
|--|---|
| Masters who obtained Certificates..... | 5 |
| Mates do do | 1 |

One Candidate for the grade of Master and one for that of Mate having failed in Navigation.

Captain Thomas Killam and Captain Henry Lewis, having been appointed examiners for the Port of Yarmouth, N. S., the Board met for the first time at that place on the 14th and 15th June.

| | |
|--|---|
| Masters who obtained Certificates..... | 2 |
| Mate do do | 1 |

At Halifax, N. S., on 19th and 20th June.

| | |
|--|---|
| Masters who obtained Certificates..... | 3 |
| Mate do do | 1 |

At St. John, N. B., 4th and 5th July.

| | |
|--|---|
| Masters who obtained Certificates..... | 2 |
| Mates do do | 3 |

One Candidate for the grade of Master and two for that of Mate having failed in Navigation.

At Quebec on 8th and 9th July.

| | |
|--|---|
| Master who obtained a Certificate..... | 1 |
| Mate do do | 1 |

One Candidate for the grade of Mate having failed in Navigation.

At Yarmouth, N. S., on 13th and 15th July.

| | |
|--|-----|
| Master who obtained a Certificate..... | 1 |
| Mate do do | Nil |

| | | |
|--|--|-----|
| One Candidate for the grade of Master having failed in Navigation. | | |
| At Halifax, N. S., on 18th and 19th July. | | |
| Masters who obtained Certificates | | 3 |
| Mates do do | | 2 |
| One Candidate for the grade of Master having failed in Navigation. | | |
| At St. John, N. B., on 7th and 8th August. | | |
| Masters who obtained Certificates..... | | 3 |
| Mates do do | | 3 |
| Two Candidates for the grade of Master and one for that of Mate having failed in Navigation. | | |
| At Charlottetown, P. E. I., on 10th and 12th August. | | |
| Masters who obtained Certificates..... | | 4 |
| Mate do do | | Nil |
| At Halifax, N. S., on 19th and 20th August. | | |
| Masters who obtained Certificates..... | | 2 |
| Mates do do | | 3 |
| At Yarmouth, N. S., on the 4th and 5th September. | | |
| Masters who obtained Certificates..... | | 2 |
| Mates do do | | Nil |
| Two Candidates for the grade of Master having failed in Navigation. | | |
| At St. John, N.B., on 6th and 7th September. | | |
| Masters who obtained Certificates..... | | Nil |
| Mates do do | | 3 |
| Four Candidates for the grade of Master having failed in Navigation. | | |
| At Halifax, N.S., on 23rd and 24th September. | | |
| Master who obtained a Certificate..... | | 1 |
| Mate do do | | Nil |
| One Candidate for the grade of Master having failed in Navigation. | | |
| At St. John, N.B., on 3rd and 4th October. | | |
| Masters who obtained Certificates..... | | 2 |
| Mates do do | | 3 |
| Two Candidates for the grade of Mate having failed in Navigation and one in Seamanship. | | |
| At Yarmouth, N.S., on the 5th and 7th October. | | |
| Masters who obtained Certificates..... | | 2 |
| Mates do do | | 2 |
| One Candidate for the grade of Master and one for that of Mate having failed in Navigation. | | |
| At Halifax, N.S., on 21st and 22nd October. | | |
| Master who obtained a Certificate..... | | 1 |
| Mate do do | | Nil |
| One Candidate for the grade of Mate having failed in Navigation. | | |
| At Quebec on 24th and 25th October. | | |
| Master who obtained a Certificate..... | | 1 |
| Mate do do | | 1 |

At Yarmouth, N.S., on 6th and 7th November.

| | |
|--|---|
| Masters who obtained Certificates..... | 3 |
| Mates do do | 2 |

Two Candidates for the grade of Master having failed in Navigation.

At St. John, N.B., on the 8th and 9th November.

| | |
|--|-----|
| Masters who obtained Certificates..... | Nil |
| Mates do do | 4 |

Two Candidates for the grade of Master and two for that of Mate having failed in Navigation.

At Halifax, N.S., on 20th and 21st November.

| | |
|--|---|
| Masters who obtained Certificates..... | 2 |
| Mate do do | 1 |

One Candidate for the grade of Mate having failed in Navigation.

At Charlottetown, P.E.I., on 9th and 10th December.

| | |
|--|-----|
| Master who obtained a Certificate..... | 1 |
| Mate do do | Nil |

One Candidate for the grade of Master having failed in Navigation.

At St. John, N.B., on 12th and 13th December.

| | |
|--|---|
| Masters who obtained Certificates..... | 3 |
| Mates do do | 3 |

Three Candidates for the grade of Master and one for that of Mate having failed in Navigation.

At Yarmouth, N.S., on 16th and 17th December.

| | |
|---|------|
| Masters who obtained Certificates | 2 |
| Mate do do | Nil. |

At Halifax, N.S., on 20th and 21st December.

| | |
|--|---|
| Masters who obtained Certificates..... | 3 |
| Mates do do | 3 |

One Candidate for the grade of Master having failed in Navigation.

Thus it will be seen that during the year at the Port of Saint John, N.B., twenty-seven (27) passed for the grade of Master and twenty nine (29) for that of Mate; at Halifax, N.S., twenty-seven (27) as Master and sixteen (16) as Mate; at Charlottetown, P.E.I., nine (9) as Master and two (2) as Mate; at Quebec, four (4) as Master and three (3) as Mate; and at Yarmouth, N.S., twelve (12) as Master and five (5) as Mate.

Eight (8) Certificates of service as Master and nine (9) as Mate have also been issued during the year.

I would beg, again, to most respectfully call the attention of the Department to the necessity of our having a Certificate in Canada for the grade of Second Mate-Officers serving in that capacity have now to clear in a British Port as Boatswain, and are unable to take their proper position until after the vessel has proceeded to sea-

It has been suggested that provision should be made for the examination of the **Masters** of all vessels propelled by steam, employed in carrying passengers either upon the lakes or sea-board of the Dominion; the examination to be confined to such subjects as the circumstances in each case may require. The qualifications might be kept very low for a few years, with the understanding that the standard might be raised as the Honorable Minister of Marine may direct.

I have the honor to be, Sir,
Your most obedient servant,

P. A. SCOTT,
Chairman.

The Deputy of the Minister of
Marine and Fisheries,

LIST OF CERTIFICATES of Competency and Service granted to Masters and Mates by the Department of Marine and Fisheries of the Dominion of Canada, for the Year ended 31st December, 1878.

COMPETENCY.

| Number of Certificate. | Date of Certificate. | Name. | Address. | Where Examination was Passed. | \$ cts. |
|------------------------|----------------------|----------------------------|-----------------------------------|-------------------------------|-------------|
| | 1878. | | | | |
| 1099 | January 10 | Albert Woods Buchanan | Miramichi, N.B. | Halifax. | 10 00 |
| 1100 | do 10 | Eldridge Lorenzo Dinsmore. | Noel, Hants County, N.S. | do | 5 00 |
| 1101 | do 10 | Nelson Sylvanius Swindell. | Canada Creek, King's County, N.S. | do | 10 00 |
| 1102 | do 10 | Joseph Howe | Maitland, N.S. | do | 10 00 |
| 1103 | do 24 | Rudolph Cann | Yarmouth, N.S. | St. John, N.B. | 10 00 |
| 1104 | do 24 | Peter Anderson | Blue Rock, Carleton, N.B. | do | 10 00 |
| 1105 | do 24 | Lemuel H. Lockhart | St. John, N.B. | do | 5 00 |
| 1106 | Dec. 24 | Charles Thomas Fraser | Parrsboro', N.S. | Ottawa. | No fee req. |
| 1107 | Febry 20 | Guilford Fairweather | St. John, N.B. | St. John, N.B. | 5 00 |
| 1108 | do 20 | Andrew W. Welsh | do | do | 10 00 |
| 1109 | do 26 | Charles Inkerman Dowling. | Lunenburg, N.S. | Halifax, N.S. | 5 00 |
| 1110 | March 12 | Alonzo G. Virgie. | Hillsboro', N.B. | St. John, N.B. | 10 00 |
| 1111 | do 16 | Thomas McRae | Charlottetown, P.E.I. | Charlottetown, P.E.I. | 10 00 |
| 1112 | do 16 | George Michael Young | Georgetown, P.E.I. | do | 10 00 |
| 1113 | do 16 | Lemuel Gordon. | do | do | 5 00 |

| 1114 | do | 23 | William Duncan Wasson | Master | Indianatown, N.B. | St. John, N.B. | 10 00 |
|------|-------|----|-------------------------|--------|--------------------|----------------|-------|
| 1115 | do | 23 | Samuel Young | do | Granville, N.S. | do | 10 00 |
| 1116 | do | 23 | Wilfred Smith Carter | Master | St. John, N.B. | St. John | 10 00 |
| 1117 | do | 23 | Nelson Melville Clark | Mate | do | do | 5 00 |
| 1118 | do | 23 | Nathan Rose Eldridge | do | do | do | 5 00 |
| 1119 | do | 23 | Joseph Wallace Moran | do | do | do | 5 00 |
| 1120 | do | 23 | Omer Coeseboom | Master | Digby, N.S. | do | 10 00 |
| 1121 | do | 28 | Mathias Smeltzer | do | Lunenburg, N.S. | Halifax | 10 00 |
| 1122 | do | 28 | Geo. Noble Layton | Mate | Mount Denson, N.S. | do | 5 00 |
| 1123 | April | 13 | Jesse Willis Jones | do | St. John, N.B. | St. John | 5 00 |
| 1124 | do | 13 | Richard Bradley | Master | do | do | 10 00 |
| 1125 | do | 13 | Luke Desmond | do | do | do | 10 00 |
| 1126 | do | 13 | Jas. Aswell Gendall | Mate | do | do | 5 00 |
| 1127 | do | 13 | Eugene Stanley Bogart | do | Granville, N.S. | do | 5 00 |
| 1128 | do | 20 | David Mitchell Tennyson | Master | Manchester, Ont | Quebec | 10 00 |
| 1129 | do | 20 | Octave Côté | do | St. Thomas, Que | do | 10 00 |
| 1130 | do | 20 | Yves Marie L'Hostis | Mate | Quebec | do | 5 00 |
| 1131 | do | 30 | Alfred McNutt | Master | Masstown, N.S. | Halifax | 10 00 |
| 1132 | do | 30 | Wm. James Farrell | Mate | Halifax, N.S. | do | 5 00 |
| 1133 | do | 30 | Nelson Brady | Master | Cheverie, N.S. | do | 10 00 |
| 1134 | do | 30 | John Stirling Owen | do | Yarmouth, N.S. | do | 10 00 |
| 1135 | do | 30 | Chas. Alexander Borden | do | Canning, N.S. | do | 10 00 |
| 1136 | do | 30 | John Wm. Elder | do | Hantsport, N.S. | do | 10 00 |
| 1137 | do | 30 | Donald Macdonald | Mate | Fouche, C.E. | do | 5 00 |

re and aft rigged vessels.

LIST of Certificates of Competency granted to Masters and Mates.—Continued.

| Number of Certificate. | Date of Certificate. | Name. | Grade. | Address. | Where Examination was Passed. | Fee. |
|------------------------|----------------------|-----------------------|--------|-----------------------|-------------------------------|---------|
| 1138 | April 30 | Benjamin DeWolf King. | Mate* | Parrsboro', N.S. | Halifax. | \$ 5 00 |
| 1139 | May 13 | John Nicholson | Master | Charlottetown, P.E.I. | Charlottetown, P.E.I. | 10 00 |
| 1140 | do 13 | Samuel Buchanan | do | do | do | 10 00 |
| 1141 | do 13 | Philip Griffin | Mate. | do | do | 5 00 |
| 1142 | do 18 | Jonas Grundmark | Master | St. John, N.B. | St. John. | 10 00 |
| 1143 | do 18 | Thomas Howard Holder | do | do | do | 10 00 |
| 1144 | do 18 | Warren Lawrence | do | do | do | 10 00 |
| 1145 | do 18 | Wilfred Goudey | Mate. | Yarmouth, N.S. | do | 5 00 |
| 1146 | do 28 | Edward Ganion, jun. | Master | Arichat, N.S. | Halifax. | 10 00 |
| 1147 | do 28 | James Robert Aylward | do | Five Islands, N.S. | do | 10 00 |
| 1148 | June 11 | Wm. Frederick Goudey | do | St. John, N.B. | St. John, N.B. | 10 00 |
| 1149 | do 11 | Nelson Howard Crowell | do | do | do | 10 00 |
| 1150 | do 11 | Alfred Moses Shaw | do | do | do | 10 00 |
| 1151 | do 11 | George Wm. Stalling | do | do | do | 10 00 |
| 1152 | do 11 | John James Fleet | do | do | do | 10 00 |
| 1153 | do 11 | Fred. Anderson | Mate. | do | do | 5 00 |
| 1154 | do 22 | John Killam | Master | Yarmouth, N.S. | Yarmouth, N.S. | 10 00 |
| 1155 | do 22 | George Wm. Doty | do | do | do | 10 00 |

| 1156 | do | 22 | Moses Leander Porter | Mate. | do | do | do | 5 00 |
|------|--------|----|------------------------|---------|--------------------|----------------|----|-------------|
| 1157 | do | 25 | Wilmer Davison | Master. | Hantsport, N.S. | Halifax | do | 10 00 |
| 1158 | do | 25 | George J. Graham | do | Wolfville, N.S. | do | do | 10 00 |
| 1159 | do | 25 | James Clarence Eagles | do | do | do | do | 10 00 |
| 1160 | do | 25 | John Peter S. Bruce | Mate | Shelburne, N.S. | do | do | 5 00 |
| 1161 | July | 9 | John Henry Grant | Master. | St. John, N.B. | St. John, N.B. | do | 10 00 |
| 1162 | do | 9 | Herbert Edgett | Mate | do | do | do | 5 00 |
| 1163 | do | 9 | James R. Bartaby | Master. | do | do | do | 10 00 |
| 1164 | do | 9 | James Daly Winchester | Mate | do | do | do | 5 00 |
| 1165 | do | 9 | Elisha Shelton Andrews | do | do | do | do | 5 00 |
| 1166 | do | 11 | Edmond Bernier | Master. | L'Islet, Que | Quebec | do | 10 00 |
| 1167 | do | 11 | Calixte Bernier | Mate | do | do | do | 5 00 |
| 1168 | do | 20 | William Henry Swaine | Master. | Port la Tour, N.S. | Yarmouth, N.S. | do | 10 00 |
| 1169 | do | 25 | William Kennedy | do | Sydney, C.B. | Halifax | do | 10 00 |
| 1170 | do | 25 | William Johnson Scott | do | Windsor, N.S. | do | do | 10 00 |
| 1171 | do | 25 | Angus Macdonald | do | Antigonish, N.S. | do | do | 10 00 |
| 1172 | do | 25 | Samuel George McCully | Mate | Londonderry, N.S. | do | do | 5 00 |
| 1173 | do | 25 | James Johnson Logan | do | Halifax, N.S. | do | do | 5 00 |
| 1174 | August | 2 | Clarence Wier | do | Londonderry, N.S. | do | do | No fee req. |
| 1175 | do | 12 | William Bruce Knight | do | St. John, N.B. | St. John, N.B. | do | 5 00 |
| 1176 | do | 12 | James Sutherland | Master. | do | do | do | 10 00 |
| 1177 | do | 12 | John Frank Robinson | do | do | do | do | 10 00 |
| 1178 | do | 12 | William Rosenel Cole | Mate | do | do | do | 5 00 |
| 1179 | do | 12 | Holmes Newcombe | Master. | do | do | do | 10 00 |

* Fore and aft rigged vessels.

LIST of Certificates of Competency granted to Masters and Mates — Continued

| Number of Certificate. | Date of Certificate. | Name. | Grade. | Address. | When Examination was Passed. | Fee \$ cts. |
|------------------------|----------------------|-------------------------------|-------------|---------------------------|------------------------------|-------------|
| 1180 | August 12 | Charles Wesley Sprague..... | Mate..... | St. John, N.B..... | St. John, N.B..... | 5 00 |
| 1181 | do 19 | Henry Nyren Silver..... | Master..... | Charlottetown, P.E.I..... | Charlottetown, P.E.I..... | 10 00 |
| 1182 | do 19 | Duncan MacDougall..... | do..... | do..... | do..... | 10 00 |
| 1183 | do 19 | William Anderson Beattie..... | do..... | do..... | do..... | 10 00 |
| 1184 | do 19 | Timothy Buckley..... | do..... | do..... | do..... | 10 00 |
| 1185 | do 23 | Thomas Albert Masters..... | do..... | Hantsport, N.S..... | Halifax, N.S..... | 10 00 |
| 1186 | do 23 | John McKenzie..... | do..... | Pictou, N.S..... | do..... | 10 00 |
| 1187 | do 23 | Robert Hill..... | Mate..... | Londonderry, N.S..... | do..... | 5 00 |
| 1188 | do 23 | Angus Grant..... | do..... | Little Harbour, N.S..... | do..... | 5 00 |
| 1189 | do 23 | Clarence Conifleet..... | do..... | Hantsport, N.S..... | do..... | 5 00 |
| 1190 | Sept'r 10 | Raymond W. Corning..... | Master..... | Yarmouth, N.S..... | Yarmouth, N.S..... | 10 00 |
| 1191 | do 10 | Joseph C. Furse..... | do..... | do..... | do..... | 10 00 |
| 1192 | do 12 | Ainsley Augustus Perry..... | Mate..... | St. John, N.B..... | St. John, N.B..... | 5 00 |
| 1193 | do 12 | Alexander Douglas..... | do..... | do..... | do..... | 5 00 |
| 1194 | do 12 | Roland Teed..... | do..... | do..... | do..... | 5 00 |
| 1195 | do 28 | John Alexander McKay..... | Master..... | Pictou, N.S..... | Halifax, N.S..... | 10 00 |
| 1196 | October 8 | Alexander J. Morrison..... | Mate..... | St. John, N.B..... | St. John, N.B..... | 5 00 |
| 1197 | do 8 | Thomas Boyd..... | do..... | do..... | do..... | 5 00 |

| | | | | | | | | | |
|------|--------|----|----------------------|--------|-----------------------|----|-----------------------|----|-------|
| 1198 | do | 8 | Alfred Forsyth | do | do | do | do | do | 5 00 |
| 1199 | do | 8 | Stephen Knowlton | Master | do | do | do | do | 10 00 |
| 1200 | do | 8 | Christopher Bennett | do | do | do | do | do | 10 00 |
| 1201 | do | 14 | Clarence Hemeon | Mate | Cheboque, N.S. | do | Yarmouth, N.S. | do | 5 00 |
| 1202 | do | 14 | Joseph Eldridge | Master | Sandford, N.S. | do | do | do | 10 00 |
| 1203 | do | 14 | George M. Cosman | do | Ohio, N.S. | do | do | do | 5 00 |
| 1204 | do | 14 | Arthur Raymond | Mate | Beaver River, N.S. | do | do | do | 10 00 |
| 1205 | do | 28 | John B. Roney | Master | Granville, N.S. | do | Halifax | do | 5 00 |
| 1206 | do | 29 | Edmond Lemieux | Mate | St. Vallier, Q. | do | Quebec | do | 10 00 |
| 1207 | do | 29 | Joseph F. Cornig | Master | Beaver River, N.S. | do | do | do | 10 00 |
| 1208 | Novem. | 13 | Charles Sautr | do | Yarmouth, N.S. | do | Yarmouth, N.S. | do | 10 00 |
| 1209 | do | 13 | Asa Scovill | Mate | Pembroke, N.S. | do | do | do | 5 00 |
| 1210 | do | 13 | Dennis F. Scovill | Master | Lake George, N.S. | do | do | do | 10 00 |
| 1211 | do | 13 | Edgar M. Treat | do | Yarmouth, N.S. | do | do | do | 10 00 |
| 1212 | do | 13 | Cornelius B. Ryder | Mate | do | do | do | do | 5 00 |
| 1213 | do | 14 | William H. Clark | do | St. John, N.B. | do | St. John, N.B. | do | 5 00 |
| 1214 | do | 14 | Albert S. Davis | do | do | do | do | do | 5 00 |
| 1215 | do | 14 | Arthur F. Nobles | do | do | do | do | do | 5 00 |
| 1216 | do | 14 | Gordon John Ross | do | do | do | do | do | 5 00 |
| 1217 | do | 26 | Neil Hall | Master | Sheet Harbour, N.S. | do | Halifax | do | 10 00 |
| 1218 | do | 26 | Stephen Henry Holley | do | Isaac's Harbour, N.S. | do | do | do | 10 00 |
| 1219 | do | 26 | James Howard Morris | Mate | Maitland, N.S. | do | do | do | 5 00 |
| 1220 | Decem. | 17 | Alexander McLeod | Master | Charlottetown, P.E.I. | do | Charlottetown, P.E.I. | do | 10 00 |
| 1221 | do | 18 | Eugene Dunn Wood | Mate | St. John, N.B. | do | St. John, N.B. | do | 5 00 |
| 1222 | do | 18 | Wm. Frederick Wolfe | do | do | do | do | do | 5 00 |

LIST of Certificates of Competency granted to Masters and Mates—Continued.

| Number of Certificate. | Date of Certificate. | Name. | Grade. | Addr. ss. | Where Examination was passed. | Fee. |
|---|----------------------|------------------------|--------|-------------------|-------------------------------|------------|
| 1223 | Decem. 18 | Frederick T. Collins | Mate | St. John, N.B. | St. John, N.B. | \$ 5 00 |
| 1224 | do | Neil McCallum | Master | do | do | 10 00 |
| 1225 | do | Andrew Henry Rourke | do | do | do | 10 00 |
| 1226 | do | James Henry L. Slocomb | do | do | do | 10 00 |
| 1227 | do | Albert Charles Haines | do | Brooklyn, N.S. | Yarmouth, N.S. | 10 00 |
| 1228 | do | John Henry Tedford | do | Hebron, N.S. | do | 10 00 |
| 1229 | do | Thomas Babin | do | Arichat, N.S. | Halifax, N.S. | 10 00 |
| 1230 | do | James Foster Mitchell | Mate | Dartmouth, N.S. | do | 5 00 |
| 1231 | do | Reuben Priest | do | Windsor, N.S. | do | 5 00 |
| 1232 | do | Charles Smith Howard | Master | Parrsboro', N.S. | do | 10 00 |
| 1233 | do | Murdock Boudrot | do | Arichat, N.S. | do | 10 00 |
| 1234 | do | Edward M. Townsend | Mate | South Sydney N.S. | do | 5 00 |
| | | | | | | \$1,065 00 |
| Fees received from Candidates who failed to obtain their Certificates | | | | | | 130 00 |
| | | | | | | \$1,195 00 |

THE FOLLOWING PERSONS RECEIVED RENEWAL CERTIFICATES OF COMPETENCY.

| | | | | |
|---|----------------------|--------|-----------------------|------------|
| 706 | Alfred N. Kimball | Master | St. John, N.B. | 5 00 |
| 504 | George E. Winchester | do | Lower Granville, N.S. | 5 00 |
| 983 | J. J. A. Tietz | do | St. John, N.B. | 5 00 |
| 561 | Robert Roberts | do | Liverpool, N.S. | 5 00 |
| 99 | Randall A. Morris | do | Advocate Harbor, N.S. | 5 00 |
| 379 | J. C. Winchester | do | Bear River, N.S. | 5 00 |
| 786 | Andrew Jackson, jr. | do | St. John, N.B. | 5 00 |
| 800 | George Lyon | do | do | 5 00 |
| 1017 | John E. Simpson | do | do | 5 00 |
| Total received in connection with Certificates of Competency for the year ended 31st December, 1878 | | | | \$1,240 00 |

List of Certificates of Competency and Service granted to Masters and Mates.—Continued.
SERVICE.

| Number of Certificate | Date of Certificate. | Name. | Grade. | Address. | Where Examination was Passed. | Fee. |
|-----------------------|----------------------|-------------------------|-------------|---------------------------|-------------------------------|----------|
| 1102 | Feb'y 20 | Wm. O'Connor | Mate | St. John, N.B..... | St. John..... | \$ 3 00 |
| 1103 | do | John F. Deveau..... | Master..... | Metegan, N.S..... | Halifax..... | 5 00 |
| 1104 | March 2 | George E. Hill | do | Cheverie, N.S..... | do | 5 00 |
| 1105 | do | Robert H. Dexter | do | do | do | 5 00 |
| 1106 | April 13 | David Rourke | Mate | Portland, N.B..... | St. John..... | 3 00 |
| 1107 | do | Wm. H. Marshall | do | Windsor, N. S | Halifax | 3 00 |
| 1108 | May 28 | Matthew Murphy | do | Charlottetown, P.E.I..... | Charlottetown | 3 00 |
| 1109 | June 3 | Neil McInnis..... | Master..... | do | Halifax..... | 5 00 |
| 1110 | do | Chas. E. MacArthur..... | Mate..... | do | Charlottetown | 3 00 |
| 1111 | do | Seth C. Doane | Master..... | Halifax, N. S..... | Halifax..... | 5 00 |
| 1112 | do | Chas. McNeil..... | do | St. John, N.B..... | St. John, N.B..... | 5 00 |
| 1113 | July 8 | James McClaire..... | do | Metegan, N.S..... | Halifax..... | 5 00 |
| 1114 | Septem. 13 | Bethel McLeod | Mate | St. John, N.B..... | St. John | 3 00 |
| 1115 | do | Wm. C. O'Dell | do | do | do | 3 00 |
| 1116 | October 10 | John W. Dealy | do | Pointe du Chêne, N.B..... | Halifax..... | 3 00 |
| 1117 | Novem. 5 | Peter R. Peters | Master..... | Lockport, N.S..... | do | 5 00 |
| 1118 | do | Robert Bookman | do | Charlottetown..... | Charlottetown | 5 00 |
| | | | | | | \$ 69 00 |

THE FOLLOWING PERSONS RECEIVED RENEWAL CERTIFICATES OF SERVICE.

| No. | Date | Name | Rank | Station | Amount |
|---|---------|---------------|------|---------|---------|
| 399 | April | John LeCain | 8 | Master | 2 50 |
| 403 | July | C. O. Hiles | 3 | Mate | 1 50 |
| 601 | October | Thos. McMahon | 2 | do | 1 50 |
| 658 | do | James Esson | 23 | do | 1 50 |
| Total fees received in connection with Certificates of Service, for the year ended 31st December, 1878. | | | | | \$76 00 |

SUMMARY.

| | | |
|--|---------|------|
| Total fees received for Certificates of Competency | \$ | cts. |
| do | 1,240 | 00 |
| do | 76 | 00 |
| Total amount of fees received during the year ended 31st December, 1878 .. | \$1,316 | 00 |

NOTE.—The sum of \$1,318.50 has been deposited to the credit of the Receiver-General on account of fees received. The difference, \$2.50 between this amount and that shown by the statement, is owing to the fact of the Chairman of the Board of Examiners having received and deposited fees for candidates whose certificates had not been issued on the 31st December, 1878.

List of Canadian Certificates of Competency and Service which have been Cancelled during the Year ended 31st December, 1878.

COMPETENCY.

| Number of Certificate. | Date of Certificate. | Name. | Grade. | Cause of Cancellation. | Date of Cancellation. |
|------------------------|----------------------|----------------------|---------|--|-----------------------|
| 429 | November 11, 1873 | George Thomas Seely. | Master. | Died of small-pox. | February 17, 1878 |
| 970 | March 14, 1877 | William Ross | Mate. | Died. | January 24, 1878 |
| 106 | May 25, 1872 | Alexander McDonald. | Master. | Drowned at sea. | December 10, 1877 |
| 328 | April 22, 1873 | Neil Hall | Mate | Passed for a higher grade certificate. | November 26, 1878 |
| 802 | December 21, 1875 | S. H. Holley. | do | do | do 26, 1878 |
| 1020 | June 11, 1877 | W. E. C. Dugal. | Master. | Died of yellow fever. | June 27, 1878 |
| 893 | August 9, 1876 | A. H. White | do | Died at sea | March 14, 1878 |
| 280 | January 7, 1873 | L. McFarlane. | do | do | June 27, 1878 |
| 827 | March 17, 1876 | O. Cosseboom. | Mate | Passed for a higher grade certificate | March 23, 1878 |
| 825 | do 17, 1876 | J. T. Sylvester. | do | do | April 2, 1878 |
| 536 | June 25, 1874 | W. Davison. | do | do | June 20, 1878 |
| 752 | August 18, 1875 | J. J. Fleet. | do | do | do 7, 1878 |
| 737 | July 30, 1875 | J. Killam. | do | do | do 15, 1878 |
| 883 | do 11, 1876 | G. W. Doly | do | do | do 15, 1878 |
| 622 | November 3, 1874 | G. W. Stalling | do | do | do 7, 1878 |
| 784 | October 30, 1876 | N. H. Orwell | do | do | do 7, 1878 |

| | | | | | |
|------|-------------------|------------------------------|-------------|--|-------------------|
| 897 | August 14, 1876 | J. W. Elder..... | do | do | April 24, 1878 |
| 612 | October 14, 1874 | J. R. Aylward (renewal)..... | do | do | May 22, 1878 |
| 586 | September 2, 1874 | E. Bernier..... | do | do | July 9, 1878 |
| 842 | March 24, 1876 | A. Macdonald..... | do | do | do 19, 1878 |
| 932 | November 14, 1876 | W. J. Scott..... | do | do | do 19, 1878 |
| 840 | March 24, 1876 | T. A. Marsters..... | do | do | August 20, 1878 |
| 929 | November 9, 1876 | J. Sutherland..... | do | do | do 12, 1878 |
| 966 | February 28, 1877 | A. J. Scott..... | do | do | October —, 1878 |
| 496 | April 14, 1874 | J. E. Inness..... | do | do | do —, 1878 |
| 1027 | July 4, 1877 | G. N. Cozman..... | do | do | do 7, 1878 |
| 808 | January 21, 1876 | S. Knowlton..... | do | do | do 4, 1878 |
| 110 | June 5, 1872 | T. E. Cann..... | Master..... | Cancelled for misconduct..... | November 27, 1878 |
| 902 | August 30, 1876 | N. McCallum..... | Mate..... | Passed for a higher grade certificate..... | December 18, 1878 |
| 1169 | July 25, 1878 | W. Kennedy..... | Master..... | Found dead at Silloth..... | do 28, 1878 |
| 55 | February 27, 1872 | A. Browne..... | Mate..... | Passed for a higher grade certificate..... | January 18, 1879 |

LIST of Canadian Certificates of Competency and Service which have been Cancelled, &c.—Continued.

SERVICE.

| Number of Certificate | Date of Certificate. | Name. | Grade. | Cause of Cancellation. | Date of Cancellation. |
|-----------------------|----------------------|--------------------|-------------|--|-----------------------|
| 621 | October 11, 1873 | Octave Côté..... | Master..... | Passed for a higher grade certificate..... | April 20, 1878 |
| 656 | December 18, 1873 | W. H. Swaine..... | do..... | do..... | July 20, 1878 |
| 939 | August 5, 1875 | A. McNutt..... | Mate..... | do..... | April 24, 1878 |
| 66 | July 27, 1872 | N. Brady..... | Master..... | do..... | do 24, 1878 |
| 898 | April 6, 1875 | J. Nicholson..... | do..... | do..... | do 7, 1878 |
| 633 | October 31, 1873 | E. Ganion..... | Mate..... | do..... | May 22, 1878 |
| 978 | November 2, 1875 | T. H. Holder..... | do..... | do..... | do 11, 1878 |
| 867 | December 3, 1874 | W. Kennedy..... | Master..... | do..... | July 19, 1878 |
| 1037 | June 14, 1876 | H. N. Silver..... | do..... | do..... | August 19, 1878 |
| 845 | November 3, 1874 | Jno. McKenzie..... | Mate..... | do..... | do 20, 1877 |
| 882 | January 5, 1875 | M. Boudrot..... | Master..... | do..... | December 27, 1878 |
| 636 | November 4, 1873 | W. E. Toyó..... | do..... | do..... | January 30, 1879 |
| 262 | do 7, 1872 | A. Scott..... | do..... | do..... | do 30, 1879 |
| 734 | May 28, 1874 | John Rice..... | do..... | Died..... | November —, 1877 |
| 465 | April 23, 1873 | H. Boudrot..... | do..... | Drowned..... | September —, 1877 |
| 348 | January 4, 1873 | C. H. Gerroir..... | do..... | Died of yellow fever..... | June 27, 1878 |

APPENDIX No. II.

LIST of Persons to whom Rewards have been granted by the Government of the Dominion of Canada, from 1st January to 31st December, 1878, for gallant and humane services rendered in saving life from shipwrecked Canadian vessels and on the Shores of Canada.

| Names and Designations of Persons. | Nature of Services Rendered. | Dates of Services Rendered. | Description of Rewards Granted. |
|---|---|-----------------------------|---|
| Captain Hermann Böhm, master of the German ship "Der Pommer," of Swinemunde. Mr. Carl Kuhl, chief officer. Mr. August Kracht, seaman. Mr. Fritz Seefeld, seaman. | For rescuing the Captain and three of the crew of the shipwrecked and abandoned brigantine "Chillian Wallah," of Pictou, Nova Scotia, while on a voyage from New York to Antwerp. | Dec. 4, 1877.... | Thanks of the Government. £3 sterling. do do |
| Captain Plesse, master of the "Jesonda," of Bremen | For rescuing the Captain and crew of the shipwrecked schooner "Glanmire," of St. John, N.B., while on a voyage from St. Thomas to New York. | Dec. 5, 1877.... | Thanks of the Government. |
| Captain Marceline de Sagasti, master of the Spanish barque "Maria M.," of Bilbao. | For rescuing the Captain and crew of the shipwrecked and abandoned barque "Maggie Chapman," of St. John, N.B., and receiving them on board his vessel. | Feb. 10, 1878... | Gold watch, value £20 sterling, and thanks of the Government. |
| Captain J. Crocket, master of "City of Vienna." | For services in rescuing crew of the wrecked ship "Ellen Goudey," of Yarmouth, N.S. | Oct., 1878 | Gold watch, value £20 stg., thanks of the Government. |
| Captain C. A. Wilde, master of the German barque "Louise Richards" of Stettin. | For rescuing 15 of the crew of the shipwrecked ship "America," of St. John, N.B., they being found by him at sea in an open boat. | Dec. 2, 1873.... | Gold watch, value £15 sterling, and thanks of the Government. |
| Don Nicolas Crespo, a resident of Guanatanamo. | For his exertions in saving the schooners "Eulalia," of Shelburne, N.S., and "Ocean Lily," of Halifax, N.S., during a severe hurricane. | Sept. 3, 1878... | \$20. |
| Captain Anderson, master of the Norwegian barque "Hulderen," and Captain Tilton, master of the American schooner "H. R. Tilton." | For rescuing the Captain and crew of the brigantine "Florence," of Annapolis, N.S., burned at sea, while on a voyage from Savannah to London. | Oct. 7, 1873.... | Thanks of the Government. do |
| Captain O. Christiansen, master of the barque "Telegraph," of Lots. | For rescuing Captain, son, and crew of the wrecked ship "Cambrian," of St. John, N.B. | June 9, 1878... | do |
| Captain W. Hewat, master S.S. "Ayrshire," of Glasgow | For rescuing crew of the water-logged schooner "Moero," of Yarmouth, N.S., wrecked during a severe hurricane. | Sept. 28, 1878.. | Gold watch and chain, value £24 3s. 1d. |

APPENDIX No. 11.—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 Services Rendered. | Dates of Services Rendered. | Description of Rewards Granted. |
|--|--|----------------------------------|--|
| Robt. Roddick, Light-house Keeper, Gull Island, Port Hope, Ontario. | For saving life on several occasions, particularly in rescuing from drowning crew of pleasure yacht "Start," mid-way between Cobourg and Port Hope. | Various, notably 20th May, 1878. | Gold watch, value £15 sterling. |
| Capt. Job Crowell, Master of the schooner "Matchless," of Barrington, N. S. | For rescuing five of the crew of the schooner "Codseeker," of Barrington, N. S., which vessel was capsized in a squall off Cape Negro, near Barrington. | May, 1877..... | Gold watch to Captain, value £15 sterling. |
| Messrs. Jos. Williams, Henry Brown, Reuben Perry, Judah Crowell, Benj. C. Crowell, Nathaniel Crowell, Hilman Nickerson, George Philips and Pailey Nickerson, seamen Eleazer Crowell, owner. | | | \$15 to each seaman \$30 to owner. |
| Capt. Edwin O. Dorr, master of the American schooner "Ohio," of Bucksport, Me. | For rescuing two of the crew of the above-mentioned schooner "Codseeker," who, being in the hold, were supposed to have perished, and restoring them to their friends at considerable pecuniary loss. | May, 1877..... | Gold watch, value £20 sterling. |
| John Thos. Gwinn, fisherman. Samuel Gwinn, fisherman. | For rescuing from drowning Murdoch McLeod and Cornelius Kerr, fishermen, whose boat had been capsized during a gale in Aspy Bay, C. B. | Nov. 10, 1877.. | \$20. 20. |
| John Maguire..... Alex. J. O. Maguire.. Wm. Maguire..... Robt. Diggins..... Wm. Hadley..... John Child, seamen.. | For rescuing from drowning, in an open boat, three of the crew of the barque "Josephine," of Prince Edward Island, who were proceeding ashore to obtain provisions, but whose boat capsized in a storm in the Strait of Canso. | Sept. 10, 1878.. | \$40. 40. 40. 20. 20. 20. |

APPENDIX No. 12.

LIST OF PERSONS, subjects of the Dominion of Canada, to whom rewards have been granted by the British or Foreign Governments, from 1st January to 31st December, 1878, for gallant and humane services rendered in saving life from shipwrecked British and Foreign Vessels.

| Names and Designations of Persons. | Nature of Service Rendered. | Date of Services Rendered. | Description of Rewards granted. | Government Granting. |
|---|--|----------------------------|---------------------------------|-----------------------------------|
| Captain William Macdonald, Master, and Mr. H. W. Macdonald, Mate, of the brig "Grizelda," of Baddeck, N.S. | Rescuing crew of shipwrecked French schooner "Bas-sasury," which foundered at sea. | October, 1876. | A gold medal and diploma. | President of the French Republic. |
| Francis McDonald, seaman. | ..... | ..... | 100 francs. | ..... |
| Duncan McDonald, seaman. | ..... | ..... | 100 francs. | ..... |
| John McKinnon, seaman. | ..... | ..... | 100 francs. | ..... |

APPENDIX No. 13.

REPORT OF THE HARBOUR COMMISSIONERS OF MONTREAL FOR THE
CALENDAR YEAR ENDED 31st DECEMBER, 1878.SECRETARY'S OFFICE,
MONTREAL, 22nd January, 1879.Wm. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour, by desire of the Harbour Commissioners of Montreal, to send you herewith, for the information of the Honorable the Minister, statements showing the receipts and expenditures of this Trust for the year ended 31st December, 1878.

THE RECEIPTS from all sources were as follows, viz:—

| | \$ | cts. | \$ | cts. |
|--|---------|------|---------|------|
| INWARDS. | | | | |
| From Collector of Customs, Montreal, on goods subject to specific wharfrage..... | 59,215 | 87 | | |
| OUTWARDS. | | | | |
| Wharfages collected upon sailing vessels, steamers and their cargoes.. | 103,046 | 31 | 162,262 | 18 |
| LOCAL TRAFFIC. | | | | |
| Wharfrage on goods, inwards..... | 6,808 | 12 | | |
| do do outwards..... | 1,382 | 52 | | |
| Harbour dues on barges..... | 18,497 | 06 | | |
| do steamers..... | 5,168 | 27 | | |
| Commutation on steamers..... | 20,304 | 98 | | |
| Received for piling lumber on wharves..... | 3,402 | 00 | | |
| do do wood do..... | 1,617 | 15 | | |
| do storing coal do..... | 1,220 | 01 | | |
| do weigh scales do..... | 1,060 | 00 | | |
| do rent of small office do..... | 717 | 75 | | |
| do penalties..... | 170 | 00 | | |
| | | | 60,347 | 86 |
| Net Revenue..... | | | 222,610 | 04 |
| FROM THE DOMINION GOVERNMENT. | | | | |
| Received on account of new channel operations..... | | | 115,000 | 00 |
| SUNDRY AMOUNTS RECEIVED FOR CREDIT OF NEW CHANNEL OPERATIONS. | | | | |
| Sincennes, McNaughton Line, timber, &c..... | 347 | 24 | | |
| do do rent..... | 260 | 00 | | |
| Hodgson, Murphy & Sumner, discount on account..... | 2 | 82 | | |
| F. Paull, oak..... | 7 | 00 | | |
| M. Fréchet, do..... | 77 | 47 | | |
| Beauchemin & Fils, oak..... | 49 | 50 | | |
| M. Girard, oak..... | 35 | 66 | | |
| Various parties, oak..... | 28 | 80 | | |
| Schooner "Fabeola," scrap iron..... | 2 | 92 | | |
| Beauchemin & Fils..... | 11 | 10 | | |
| | | | 822 | 51 |
| Board of Engineers, general average case of reports..... | | | | 60 |
| Windmill Point Wharf, overpaid Ryan, returned..... | | | | 5 |
| Rent of old building..... | | | 1,310 | 00 |
| Rent of offices in new building..... | | | 2,500 | 00 |
| Fines collected..... | | | | 85 |
| Interest on bank accounts, Consolidated Bank..... | | | 7,507 | 29 |
| SUNDRY AMOUNTS RECEIVED FOR CREDIT OF HARBOUR DREDGING. | | | | |
| J. Worthington & Co., towing scows..... | 1,134 | 00 | | |
| Municipality of St. Lambert, blasting..... | 29 | 30 | | |
| Peck, Benny & Co., scrap iron..... | 424 | 23 | | |
| J. Paxton & Co., coal oil barrels..... | 8 | 50 | | |
| R. Brison, damage to dredge..... | 10 | 00 | | |
| | | | 1,606 | 00 |
| HARBOUR REPAIRS. | | | | |
| Received by J. T. Therien, sale of old plank..... | 27 | 00 | | |
| do do gravel..... | 3 | 60 | | |
| | | | 30 | 60 |
| Total Receipts..... | | | 351,477 | 44 |

THE Expenditure was as follows, viz. :—

| | \$ | cts. | \$ | cts. |
|---|-------|------|----------------|-----------|
| New channel operations..... | | | 159,348 | 40 |
| Board of Engineers..... | | | 4,951 | 63 |
| General John Newton..... | | | 2,439 | 41 |
| R. Bruce Bell..... | | | 1,436 | 60 |
| Dominion Government Interest..... | | | 46,945 | 05 |
| New dredging plant, two flat scows..... | | | 2,640 | 94 |
| CONSTRUCTION ACCOUNT. | | | | |
| Windmill Point Wharf..... | 3,315 | 09 | | |
| Victoria Pier, new work..... | 5,302 | 03 | | |
| Military Basin..... | 3,876 | 41 | | |
| Section 29..... | 7,496 | 96 | | |
| King's Basin..... | 6,672 | 78 | | |
| Longue Pointe Wharf..... | 1,799 | 21 | | |
| New building..... | | | 28,462 | 48 |
| Harbour dredging..... | | | 499 | 06 |
| Harbour expenses..... | | | 19,075 | 77 |
| Buoys and beacons..... | | | 25,726 | 93 |
| Printing, advertising and stationery..... | | | 3,740 | 73 |
| Paris Exhibition Plans..... | | | 1,839 | 28 |
| Interest on harbour debt..... | | | 597 | 13 |
| Travelling and incidental expenses..... | | | 111,779 | 22 |
| Wharfages returned..... | | | 411 | 70 |
| Harbour repairs..... | | | 241 | 42 |
| Harbour survey..... | | | 19,004 | 32 |
| Lamps and lighting wharves..... | | | 277 | 59 |
| Chain tug..... | | | 1,270 | 85 |
| Harbour Railway..... | | | 382 | 20 |
| | | | 326 | 59 |
| Total Expenditure..... | | | 431,397 | 28 |

A comparison of the receipts from wharfage with those of last year shows an increase of \$2,897, viz: \$2,143 in sea-going traffic, and \$754 in the local traffic. This the Commissioners consider a satisfactory exhibit, in view of the general depression of business and the large decrease shown at other important ports.

For particulars of the work done in the harbour during the past year, I beg to refer you to the report of the chief engineer, a copy of which is forwarded you.

In connection with this report I would draw attention to the reduction in the average cost of dredging from 45 cents per cubic yard in 1875, to 23 cents per cubic yard in 1878. This is, of course, partially owing to the decrease in the price of labor, coal and other supplies, but more largely to the greatly increased efficiency in the working of the dredges.

I also enclose copies of the annual reports of the Harbour Master with comparative statements of the trade of the port, and of the superintendent of pilots.

The deepening of the ship channel between Montreal and Quebec is progressing most favorably. A channel 22 feet deep at low water, and of a minimum width of 300 feet has been obtained, and was officially inspected and tested on the 18th and 19th November last by the Commissioners, accompanied by several branch pilots and various officers of the Trust. A full report on this work up to the close of the fiscal year has been forwarded to the Department of Public Works, under whose supervision these operations are being carried on.

The report of the Board of Engineers on Harbour Improvements, with plans, was (as was expected) received in January, and copies forwarded to the Department as well as generally distributed. No action on the report has yet been taken, as any considerable addition to the wharf accommodation is not at present required.

In September, after some negotiation, an understanding was reached between the Commissioners and the Department of Agriculture and Public Works, Quebec, whereby accommodation was given for the business of the Quebec, Montreal, Ottawa and Occidental Railway on the wharves. The Board agreed to construct the necessary tracks and sidings, to be and remain the property of the Trust, but to permit the use of them by the Railway at a stipulated yearly rental, subject to revision at the close of each season of navigation, and also subject to such conditions, rules and regulations as the Commissioners may from time to time require to be observed. This arrangement does not include any interchange of traffic with the Grand Trunk or any other railway, and the Commissioners retain full power to remove the tracks or change their location whenever advisable. A small charge will also be made for each car coming on the wharves.

On the 20th November, application was made by the Quebec Government for the right of way over part of the Harbour property for access to the proposed railway terminus at the Quebec Gate Barracks. After giving the matter very careful consideration, the Commissioners have consented to grant the request for a single track skirting the river bank in rear of the wharves as far as Monarque Street, on certain conditions, subject to the approval of the Governor General in Council, but final action in this matter seems for the present to be deferred.

I have the honor to be, Sir,
Your most obedient Servant,

H. D. WHITNEY,
Asst. Secty.

REPORT BY THE HARBOUR MASTER.

HARBOUR MASTER'S OFFICE,

MONTREAL, 31st December, 1878.

H. D. WHITNEY, Esq.,

Asst. Secretary of the

Harbour Commissioners of Montreal.

SIR,—I have the honor to submit the following as my annual report for 1878, with the accompanying comparative statements, showing the dates of the opening and closing of navigation, of the first arrival from sea, and the last departure for sea of the numbers, tonnage and classification of seagoing vessels; the greatest number in port at one time; and at what date; also the number and tonnage of inland vessels; the greatest number in port at one time, and at what date, as well as the number, tonnage and classification of vessels from the Maritime Provinces for the past ten years.

On the 1st January the harbour was almost free from ice, with the exception of some small quantities that were lying upon the shores. The Longueuil Ferry steamer was running her regular trips during the forenoon, and in the afternoon left the harbour with a party of about 500 people on a pleasure excursion to Boucherville, and returned at about 5 p. m. On the 2nd, the weather being cold, ice formed rapidly, and the water began to rise. The Longueuil Ferry steamer made several trips during the morning, and at 3 p. m. left the port for Boucherville to lay up for the winter, she being the last vessel of the season. After that date the ice increased daily, and the water kept rising; on the 10th it was level with the wharves. On the 17th people crossed the ice to and from Longueuil. On the 24th teams crossed at the same place. On the 29th the water reached its highest point, 34 $\frac{3}{4}$ feet on No. 1 Lock-sill of the Lachine Canal, or 17 $\frac{3}{4}$ feet above the usual summer level. On the 31st the river was full of ice, and stationary and of sufficient strength as to admit of a road being made from St. Lambert to the city. The 7th January was the coldest day of the winter, thermometer marking, at 8 a. m., 15° below zero.

On the first February teams crossed the ice from St. Lambert to the City. On the 18th a road was made to Laprairie, and on the last day of the month these roads were considered unsafe; people were warned and the roads abandoned. The weather in February was generally mild and pleasant, only one day the temperature being below zero; that occurred on the 15th, the thermometer at 8 a. m. marking 1° below zero. The water fell, during the month, 4 $\frac{1}{2}$ feet.

The weather in March was changeable, but generally mild, the first of the month being the coldest day, thermometer at 8 a. m. marking 3°; the cold snap strengthened the ice in the river, and on the 2nd teams again crossed to St. Lambert and Laprairie, and on the 12th were again abandoned, being considered unsafe. On the 16th the first open water was to be seen in the middle of the river near Victoria Bridge. The first shove of the ice took place opposite the City on the 18th, the whole body moving downwards, which put a stop to the crossing at Longueuil; the water then began to fall rapidly, leaving a large quantity of ice upon the wharves in front of the city. On the 20th it was level with the wharves, on the 22nd the channel was clear as far as Pointe aux Trembles, on the 29th the Steamer "Montarville" came up into the harbor, blew her whistle and returned to Boucherville. On the 30th the brigantine "Corinno" arrived in port from Boucherville (in tow of steamer "Francis"), where they wintered. The water fell this month 9 feet 4 inches.

The weather in April was mild and pleasant; the lowest temperature was on the 13th, thermometer at 8 a. m. marking 41°. On the 3rd, the Longueuil Ferry commenced running her regular trips; on the 4th, several schooners arrived in port from Boucherville, also two tug steamers, four dredges and a derrick, belonging to the Harbour Commissioners, and the steamer "Chambly," from Sorel. The water still

kept falling, leaving considerable quantities of ice upon the shores. On the 10th it reached its lowest point, 18 $\frac{1}{2}$ feet on the lock-sill of the Lachine Canal, or 11 $\frac{1}{2}$ feet above the summer level; on the 11th it began to rise again, and kept well up during the whole navigable season. The first arrival from sea was on the 13th, steamship "Venezia," from Cow Bay, C. B., laden with coal, and on the 28th, ships "Glenfinart" and "Lake Michigan" arrived in port—the first vessels from Europe. From that date vessels arrived daily, and business fairly commenced. The arrivals from sea were considerably greater up to the month of September than the previous year, but in the latter part of the season they had greatly fallen off, but still leaving a balance in favor of this year of three vessels and 20,407 tons.

The number and tonnage of inland vessels have fallen short of the previous year, viz: 831 vessels and 83,735 tons.

Great improvements have been made in the harbour this year in deepening and widening the channel, and building and repairing wharves, which will, no doubt, prove to be of great advantage to the trade of the port.

The dredges were at work in the harbor up to the 9th December, doing good work in the basins and around the wharves, which was much needed. Part of the harbour plant was sent to Sorel on the 9th December, and the balance on the 10th December to the same place (on account of the accumulation of ice in the basins), there to lay up for the winter.

The ferry steamer "Laprairie" left port on the 16th December for Boucherville; the ferry steamer "Longueuil" on the 19th December, and the ferry steamer "St. Lambert" on the 23rd December, all for the same place to lay up for the winter.

The lumber trade to South America is again reviving, twenty vessels of the aggregate tonnage of 11,013 tons, carrying 8,680,000 feet of lumber, loaded at this port this season, against ten vessels of the aggregate tonnage of 4,387 tons, carrying 3,400,000 feet of lumber in 1876.

516 sea-going vessels visited the port this year of the aggregate tonnage of 397,266 tons, 249 of which were built of iron, of the aggregate tonnage of 311,968 tons, and 267 were built of wood, of the aggregate tonnage of 85,298 tons, composed of the following nationalities, numbers and tonnage:

| | Vessels. | Tonnage. |
|----------------|----------|----------|
| British..... | 482 | 382,056 |
| Norwegian..... | 17 | 7,839 |
| American..... | 6 | 2,054 |
| Belgian..... | 2 | 1,902 |
| Austrian..... | 3 | 1,304 |
| German..... | 4 | 1,255 |
| Italian..... | 1 | 534 |
| Swedish..... | 1 | 322 |
| | 516 | 397,266 |

These vessels were navigated by 12,610 seamen.

On the last of the year the river was full of driftice, and the water 4 $\frac{1}{2}$ feet above the summer level.

Submitting the foregoing for the consideration of the Harbour Commissioners,

I am, Sir,

Your most obedient Servant,

A. M. RUDOLF,

Harbour Master.

PORT OF MONTREAL.

COMPARATIVE STATEMENT, showing the Number and Tonnage of Inland Vessels that arrived in Port the past ten years, with the dates of the Greatest Number in Port at one time.

| | No. of Vessels. | Tonnage. | Greatest Number in Port at one time. |
|-----------|-----------------|----------|--------------------------------------|
| 1869..... | 5,366 | 721,324 | 259, November 5. |
| 1870..... | 6,345 | 819,478 | 255, October 6. |
| 1871..... | 6,878 | 824,787 | 281 do 6. |
| 1872..... | 7,150 | 936,782 | 309, June 8. |
| 1873..... | 6,751 | 933,462 | 293 do 8. |
| 1874..... | 6,855 | 956,837 | 301 do 14. |
| 1875..... | 6,178 | 811,410 | 256, August 4 |
| 1876..... | 6,083 | 786,083 | 262, November 9. |
| 1877..... | 6,333 | 847,978 | 258, October 3. |
| 1878..... | 5,202 | 764,243 | 261 do 15. |

A. M. RUDOLF,

Harbour Master.

HARBOUR OFFICE,

MONTREAL, 31st Dec., 1878.

PORT OF MONTREAL.

COMPARATIVE STATEMENT, showing the dates of the Opening and Closing of Navigation, First Arrival from Sea and Last Departure for Sea, the past ten years.

| | Opening of Navigation. | | Close of Navigation. | | First Arrival from Sea. | | Last Departure for Sea. | |
|-----------|------------------------|----|----------------------|----|-------------------------|----|-------------------------|----|
| 1869..... | April | 25 | December | 6 | April | 30 | November | 24 |
| 1870..... | do | 18 | do | 18 | do | 22 | do | 27 |
| 1871..... | do | 8 | do | 1 | do | 22 | do | 29 |
| 1872..... | May | 1 | do | 8 | May | 5 | do | 28 |
| 1873..... | April | 25 | November | 26 | do | 4 | do | 21 |
| 1874..... | do | 25 | December | 13 | do | 11 | do | 21 |
| 1875..... | May | 3 | November | 29 | do | 9 | do | 22 |
| 1876..... | April | 27 | December | 10 | do | 8 | do | 23 |
| 1877..... | do | 17 | Jan. 2, 1878 | | April | 29 | do | 24 |
| 1878..... | March | 30 | December | 23 | do | 20 | do | 24 |

A. M. RUDOLF,
Harbour Master

HARBOUR OFFICE,
MONTREAL, 31st Dec., 1878.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Number, Tonnage and Classification of Sea-going Vessels that arrived in Port the past ten years, with the dates of the greatest number in Port at one time, each year.

| | Steam ships. | Tonnage. | Ships. | Tonnage. | Barques. | Tonnage. | Brigs. | Tonnage. | Brig-antines. | Tonnage. | Schoon-ers. | Tonnage. | Total Number of Vessels. | Total Tonnage. | Greatest Number in Port at one time. |
|------|--------------|----------|--------|----------|----------|----------|--------|----------|---------------|----------|-------------|----------|--------------------------|----------------|--------------------------------------|
| 1869 | 117 | 117,965 | 66 | 64,484 | 103 | 45,710 | 18 | 4,735 | 49 | 9,243 | 204 | 17,726 | 557 | 259,863 | 61, Nov. 4 |
| 1870 | 144 | 113,912 | 78 | 73,175 | 157 | 75,797 | 16 | 4,183 | 61 | 10,351 | 223 | 19,428 | 680 | 316,846 | 62, June 20 |
| 1871 | 142 | 146,927 | 99 | 92,502 | 170 | 82,363 | 26 | 6,539 | 47 | 7,839 | 180 | 15,651 | 664 | 351,721 | 89, Oct. 27 |
| 1872 | 215 | 171,713 | 67 | 62,775 | 182 | 87,199 | 20 | 5,221 | 68 | 11,504 | 175 | 14,388 | 727 | 398,800 | 81, do 30 |
| 1873 | 242 | 145,237 | 72 | 65,823 | 164 | 75,594 | 18 | 4,669 | 69 | 8,381 | 147 | 12,583 | 702 | 412,178 | 84, Aug. 28 |
| 1874 | 266 | 262,096 | 50 | 46,938 | 167 | 80,677 | 15 | 3,928 | 61 | 10,648 | 169 | 19,096 | 731 | 423,423 | 76, July 6 |
| 1875 | 256 | 255,435 | 40 | 39,895 | 138 | 63,167 | 17 | 3,831 | 53 | 9,801 | 138 | 13,981 | 642 | 386,112 | 60, Aug. 18 |
| 1876 | 240 | 262,829 | 40 | 37,303 | 146 | 66,002 | 18 | 4,700 | 35 | 5,848 | 123 | 14,198 | 602 | 391,180 | 61, July 24 |
| 1877 | 247 | 261,784 | 41 | 41,904 | 108 | 56,809 | 10 | 2,560 | 25 | 4,987 | 78 | 8,735 | 513 | 376,859 | 59, Oct. 19 |
| 1878 | 207 | 269,878 | 44 | 41,577 | 113 | 58,711 | 9 | 2,610 | 34 | 6,937 | 109 | 11,953 | 516 | 397,266 | 45, June 3 |

A. M. RUDOLF,
Harbour Master.

HARBOUR OFFICE,
MONTREAL, 31st December, 1878.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Number, Tonnage and Classification of Sea-going Vessels that arrived in Port from the Maritime Provinces the past ten years.

| | Steam-ships. | Tonnage. | Ships. | Tonnage. | Barques. | Tonnage. | Brigs. | Tonnage. | Brig-antines. | Tonnage. | Schooners. | Tonnage. | Total No. of Vessels. | Total Tonnage. |
|------|--------------|----------|--------|----------|----------|----------|--------|----------|---------------|----------|------------|----------|-----------------------|----------------|
| 1869 | 27 | 11,970 | ..... | 9,433 | 23 | 4 | 952 | 29 | 4,977 | 142 | 10,740 | 225 | 38,072 | |
| 1870 | 45 | 17,731 | 2 | 13,411 | 28 | 3 | 768 | 29 | 4,007 | 150 | 12,486 | 257 | 50,437 | |
| 1871 | 42 | 18,469 | 4 | 8,449 | 19 | 8 | 1,714 | 27 | 3,929 | 133 | 9,213 | 233 | 46,263 | |
| 1872 | 68 | 39,378 | 3 | 2,488 | 32 | 3 | 523 | 48 | 7,545 | 147 | 11,572 | 301 | 77,450 | |
| 1873 | 91 | 59,061 | 6 | 4,790 | 36 | 6 | 1,422 | 36 | 4,824 | 98 | 8,056 | 273 | 96,748 | |
| 1874 | 104 | 63,903 | 3 | 2,046 | 26 | 3 | 622 | 42 | 6,036 | 108 | 10,493 | 286 | 88,781 | |
| 1875 | 120 | 69,544 | 3 | 1,874 | 27 | 2 | 331 | 35 | 5,397 | 92 | 8,526 | 279 | 98,852 | |
| 1876 | 87 | 47,199 | 1 | 1,739 | 30 | 4 | 993 | 25 | 4,720 | 67 | 7,322 | 214 | 75,924 | |
| 1877 | 72 | 39,277 | 5 | 4,306 | 25 | 3 | 758 | 18 | 2,744 | 37 | 3,924 | 160 | 64,575 | |
| 1878 | 42 | 21,812 | 2 | 1,132 | 32 | 3 | 954 | 21 | 4,196 | 63 | 6,683 | 165 | 50,523 | |

(Signed) A. M. RUDOLF,
Harbour Master.

HARBOUR OFFICE,
MONTREAL, 31st December, 1878.

HARBOUR COMMISSIONERS OF MONTREAL.

CHIEF ENGINEER'S OFFICE,
MONTREAL, 13th January, 1879.

H. D. WHITNEY, Esq.,
Asst. 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 1878.

The principal works of the year are the deepening of the ship channel through the harbour, up to the lower entrance of the Lachine Canal, in order to keep pace with the deepening of the channel in the river below; the deepening of the Basins in Sections 12 to 14, and 18 to 23 inclusive, to afford increased accommodation for vessels taking advantage of the full depth of water in the channel, and enlarging the approach to Windmill Point; the widening and renewal in deep water of the wharf on two sides of King's Basin (Section 15), and on part of the upper side of Victoria Pier (Section 20); the construction of a wharf in place of the Timber Basin, opposite the jail (Section 29); the construction of a new wharf at Longue Pointe; and the laying down of a railway track four-fifths of a mile in length from the end of the Quebec, Montreal, Ottawa and Occidental Railway track, below the Longueuil Ferry wharf, to a little distance below the old Military Hospital in order to facilitate the interchange of traffic between that and other railways and the harbour.

The following are the chief details:

Sections 6 to 11, Windmill Point Wharf and Basin.—The upper end of the crib-work wharf, 200 feet in length, which was built up to low-water mark in 1877, has been carried up to the full height and completed. The back-filling has also been made up to the proper level, and of the breadth of the harbour property, and the roadway from Black's Bridge has been much improved.

The water approach from the foot of the old Lachine Canal to the lower end of the basin has been greatly widened and improved by dredging, so as to afford sufficient room for vessels to swing end on to the current when passing round the lower corner of the wharf at the entrance of the basin. A few boulders and small ridges, which were left in the previous year's dredging in Sections 9 and 10, have also been dredged out.

The expenditures are:—Crib-work, \$1,290; back-filling, \$200; dredging, \$8,722. Total, \$12,023.

Sections 12 and 13, Queen's Basin.—The greater part of the area of the basin has been deepened to between 24 and 25 feet deep at low water. The wharfing is founded at a depth of only about 20 feet, and the deep dredging, therefore, cannot be carried entirely to the face, but it has been brought in sufficiently close to the main-breast wharf to allow of vessels lying alongside without serious inconvenience.

Section 14, Metcalfe and Elgin Basins.—About half the area of the upper or Metcalfe Basin has been dredged from a former depth of about 19 feet to an average of 23 feet, and the remaining portion is yet to be done. Expenditure \$696.74.

The central part of Elgin Basin, with the exception of a few points yet to be completed, has been deepened to 23 feet at low water, and the dredging, as in the other cases, is carried as close to the wharves as can be done without endangering their foundation. Expenditure \$447.91.

Section 15, King's Basin.—For the past three or four years nothing but the most urgent temporary repairs have been done to the dilapidated wharves surrounding the King's Basin, in order that any permanent works might be made so as to form part of the general scheme of harbour improvements which might be recommended by the Board of Engineers. After it was found that the proposed scheme contemplated the ultimate filling up of the basin, various methods of dealing with it were considered by the Commissioners, and a suggestion to widen the inshore wharf and the lower side of the Albert Pier by a facing of open pile work was sanctioned.

Work was commenced in the early part of the summer, and an effective breadth of 30 feet was added to the shore wharf and 29 feet to the pier, changing the character of both from being little more than roadways with shallow water to moderately roomy wharves, with 20 to 23 feet of water alongside. An open pile work wharf would have been inadmissible in a part of the harbour less protected from ice movement, and even here is subject to some risk of damage from very severe shoves; but this is more than counterbalanced by the great saving in first cost as compared with dredging and crib-work. The total expenditure for a frontage of 696 feet has been \$6,680.

Sections 19 and 20, Victoria Pier and Bonsecours Basin.—The refacing of the upper side of Victoria Pier which was done at the outer end in 1861, was this year continued inward 200 feet to the line of the inshore wharf on the lower side of the pier. The continuation is 38 feet in width, corresponding with that formerly done, and is of the usual crib-work sunk in 23 feet of water. In order to make the improvements of the Victoria Pier more fully available, the central part of the basin has been dredged to a depth of 25 feet, with the exception of some insignificant lumps that yet require to be cleared off. Cost of crib-work, \$1,650; back-filling, \$606; dredging in basin and for crib-work, \$5,549. Total, \$10,805.

Sections 20 to 23.—The approach and entrance to the Military Basin at the Victoria Pier side, the upper part of the Basin at the inshore side and along the breast wharf in Section, 22 and 23, have been dredged out to 25 feet at low water, with exception of a few points which remain to be cleared off. Expenditure \$5,723.

Section 29.—The piece of beach opposite the jail, formerly reserved for a Timber Basin, has been wharved across in line with the wharf above, leaving an off-set of 35 feet at the junction with the wharf below. The off-set thus formed affords slack water for mooring a crib or two of timber, and a slip has been provided for convenience in hauling out.

The mouth of the Colborne Avenue outfall sewer was prolonged to the face of the new wharf by appropriate crib-work, at the cost of the City Corporation; and instead of the former half-open mouth discharging sewage deposit into the basin below water-line, and fetid gases above, the new opening is submerged, and all discharge is swept away by the swiftest part of the current St. Mary.

The wharf is of the usual crib-work, is in 14 feet depth of water, and 470 feet length of frontage (including the off-set). Cost of timber-work exclusive of sewer extension, \$5,952; back-filling, \$1,986; dredging, \$722. Total, \$8,660.

Longue Point Wharf.—A new crib-work wharf, 55 feet front, and 17 feet depth of water at lowest level, has been built at a distance of 300 feet above the Parish Church. Cost of timber-work, back-filling, and approach, \$1,873; dredging, \$193. Total, \$2,072.

Harbour Railway.—In accordance with an agreement with the Provincial Government of Quebec, a track belonging to the Harbour Commissioners has been laid down at the back part of the space along the wharves, a distance of 4,800 feet, from Section 33 to 25 inclusive (or from immediately below the Longueuil Ferry to near Panet Street), in order to allow the Quebec, Montreal, Ottawa & Occidental Railway (and other railways with which arrangements may be made) to exchange freight with vessels in that part of the harbour.

Ship Channel through the Harbour.—Although the deepening of the channel in the harbour belongs, strictly speaking, to the general deepening of the ship channel throughout the river, and is chargeable to that work, the harbour dredging plant, from being best adapted to the purpose, is being employed to do this section, and for this reason, as well as from its close connection with the harbour work proper, it may appropriately be mentioned here.

The dredging of the main channel lying between the line of the outermost ends of the wharves and the opposite shoals was commenced last year off the Victoria Pier and on the Island Shoal, but this year, in order to keep pace with the other sections of the work, a force of two to four dredges was engaged upon it; and by the close of the summer, the whole distance where dredging was required between the

head of the current St. Mary and Lachine Canal was deepened to 25 feet at low water, with the exception of such spots as may have been omitted by the dredges, and remain to be found by careful soundings and examination.

An increase in the breadth at the bends at Victoria Pier, and at the Island Shoal, also remains to be made.

Lachine Canal.—As intimately connected with the improvement of the harbour and the interests of the port, it may be noted that the enlargement of the Lachine Canal by the Dominion Government is being steadily carried on, and is fast approaching completion.

The construction of the new entrance and lower basin at Windmill Point has been pushed forward throughout the summer, and is now practically completed. In the early part of the season, the harbour wharf in Section 11 was cut through, and by the close of navigation the crib-work forming the sides of the entrance, and the embankments, paving, &c., separating the basin from the Windmill Point wharf, had been very nearly finished.

Harbour Repairs.—The repairs for the year have been confined to light works of maintenance which, though considerable in the aggregate, are scarcely worthy of note in detail.

The supply of macadamizing stone (2,816 cubic yards), timber, deals, &c., has, as usual, been by contract; the work has been done by the Commissioners' own men.

Early in the spring proposals were received from the Gas Company for lighting the wharves with gas, but in view of the considerable outlay required to lay down pipes, and the promise afforded by the recent rapid improvement in electric lighting, it was deemed best for the Board to continue the petroleum for the present.

Fifteen additional lamps were erected, making a total of sixty-six lamps, and all were provided with two burners instead of one, as before.

The total expenditure for harbour repairs during the past year has amounted to \$18,974, and compares as follows with the three previous years:—

| | |
|------------|----------|
| 1875 | \$16,449 |
| 1876 | 35,711 |
| 1877 | 26,077 |
| 1878 | 18,947 |

Dredging.—Dredging has, as usual, been carried on with the Commissioners' own plant. That employed in the harbour work proper has consisted of one to five spoon dredges, two clam-shell derricks (for unloading scows), three screw tugs, sixteen flat scows, two to six dumping scows, and one floating shop (for machinery repairs). Two new flat scows of 70 cubic yards capacity were built during the winter at the Commissioners' works, Sorel, at a cost of \$1,320.50 each, and have been added to the stock.

In consequence of the delay which it was feared the new works might cause in the opening of the Lachine Canal in spring, and in order to take advantage of the Commissioners' shops for machinery repairs, the dredges, derricks and tugs were wintered at Sorel, with the exception of one dredge and one tug, which were quartered in Cantin's dry-dock on the canal, for repairs to their hulls. The scows were, as usual, wintered at Boucherville.

The season's work is remarkable as being, so far as is known, the largest on record. The four dredges with the tugs and derricks which wintered at Sorel were enabled, by the unusually early breaking up of the ice, to leave Sorel on the 3rd April, and commenced work on the 8th April, and the same number were enabled by the lateness of the fall to continue work till the 9th December, thus making a continuous working season of 8 months. The dredge and tug which wintered in dry-dock were detained for the opening of the canal till the 10th May, and one dredge in consequence of an accident, was laid up on the 29th November.

One dredge was engaged 20 days in deepening the ship channel at Varennes, one for 14 days at Pointe aux Trembles, and two to four spent an aggregate of 450½ days in the ship channel within the harbour, making a total of 484½ days in ship

channel work. In the harbour work proper there were spent 528 $\frac{3}{4}$ days, making an aggregate of 1,013 $\frac{3}{4}$ days' service for all the dredges for the season, or an average of 202 $\frac{7}{10}$ days each. The nominal working time is 10 hours per day, which is 9975 hours total time of service in the harbour; but the actual working time, after deducting time lost for repairs, changing positions, waiting for scows, detention by vessels, short days in autumn, and all other causes, is reduced to 8,613 hours, or an average of 87 $\frac{33}{100}$ per cent. of the gross time of service as against 88 $\frac{86}{100}$ for 1877, 84 $\frac{6}{100}$ for 1876, and 82 $\frac{3}{100}$ for 1875. The falling off of nearly one per cent. as compared with 1877, is more than accounted for by the unusual loss of time suffered by the dredges engaged in the channel in the Harbour, they being obliged to move off and be sometimes for several hours waiting for the larger vessels to enter or leave the different basins. An aggregate of 155 hours or 1 $\frac{55}{100}$ per cent. is due to this alone.

The cost of the fleet for work in the harbour was \$48,748, which includes wages, fuel, stores and the proportion of general charges for insurance, spring outfit, repairs, and all other charges except interest and depreciation.

The total quantity of dredging done was 211,731 cubic yards, and the average cost is, therefore, 23 cents per cubic yard for dredging, towing and unloading the material; 97,110 cubic yards, or 46 per cent., being unloaded by steam derricks, and the remainder dumped from hopper scows.

Compared with the three previous years, the results are as follows:—

| Year. | Cost. | Cubic Yards Dredged. | Cost per Cubic Yard. |
|-------|--------|----------------------|----------------------|
| | \$ | | Cents. |
| 1875 | 68,979 | 151,719 | 45 |
| 1876 | 55,462 | 156,082 | 35 $\frac{1}{2}$ |
| 1877 | 45,103 | 173,449 | 26 |
| 1878 | 48,748 | 211,731 | 23 |

The following are the different parts of the harbour at which dredging has been done, and the cost of the same:—

Sections 9 to 11, Windmill Point—Enlarging and deepening the approach to the basin, and clearing small lumps and boulders from the lower end. Hardpan, boulders and gravel, 15 to 28 feet water (actual depths at dates of dredging), 26,993 cubic yards, costing \$8,722, or 32 $\frac{31}{100}$ per cubic yard.

Sections 12 and 13, Queen's Basin.—Deeping 3 to 5 feet, hardpan, gravel and boulders, 20 to 27 feet water, 10,775 cubic yards, costing \$3,907 or 63 $\frac{1}{2}$ cents per cubic yard. Section 14.—Deepening in Metcalfe Basin about 4 feet hardpan and stones 22 to 25 feet depth of water, 4,710 cubic yards, costing \$697, or 14 $\frac{78}{100}$ cents per cubic yard.

Deepening in Elgin Basin; sewage deposit, gravel, hardpan and boulders, 20 to 27 feet of water, 1,760 cubic yards, costing \$448 or 25 $\frac{45}{100}$ cents per cubic yard.

Section 18, Market Basin.—Cleaning out deposit, sand and stones, 20 to 24 feet of water, 1,025 cubic yards, costing \$348 or 34 cents per cubic yard.

Sections 19 and 20, Bonsecours Basin and Victoria Pier.—Deeping centre and lower side of basin, and preparing site for crib-work; sand and gravel, 20 to 27 feet of water, 27,860 cubic yards, costing \$5,549 or 19 $\frac{22}{100}$ cents per cubic yard.

Sections 20 to 22, Military Basin.—Deepening basin; sand, gravel and mud, 20 to 27 feet of water, 27,170 cubic yards, costing \$5,574, or $20\frac{51}{100}$ cents per cubic yard.

Section 23, Commissioners Wharf.—Cleaning alongside of wharf; gravel, stone ballast &c., 24 to 26 feet of water, 420 cubic yards, costing \$149 or $35\frac{55}{100}$ cents per cubic yard.

Section 29, opposite Jail.—Dredging foundation for new wharf; clay, gravel boulders and builders' rubbish, 10 to 15 feet of water, 3,375 cubic yards, costing \$722 or $21\frac{38}{100}$ cents per cubic yard.

Longue Pointe.—Dredging foundations for new wharf; quicksand, gravel and boulders, 8 to 18 feet of water, 600 cubic yards, costing \$199 or $33\frac{18}{100}$ cents per cubic yard.

Ship Channel in the Harbour.—Deepening between the head of Current St. Mary and the Lachine Canal, sand, gravel and boulders, 20 to 27 feet of water; 107,043 cubic yards, costing \$22,433 or $20\frac{96}{100}$ cents per cubic yard.

Chain Tug "A. G. Nish."—The chain tug was wintered in the Lachine Canal, and soon after coming out in the spring was fitted up for service and placed on her station about the middle of June, and continued till 29th of November. She was kept throughout the summer in continual readiness for service, in charge of a fireman and watchman, with arrangements for summoning a crew at any moment when needed, but her services were not called for.

I am sir,

Your obedient servant,

JOHN KENNEDY,

Chief Engineer.

ABSTRACT of Dredging done in different parts of the Harbor of Montreal in 1878.

| Places where Dredges Worked. | Dredges. | Quantities | Dredged | Remarks. |
|---|--------------|------------------------------|-----------------|---|
| | | dredged at each place. |  |  | Totals. |
| | | Cubic Yards. | Cubic Yards. | |
| Sections 9 to 11, Windmill Point.... | Dredge No. 4 | 888 | 26,993 | Hardpan and boulders. |
| do do | do 5 | 7,980 | | |
| do do | do 6 | 18,993 | | |
| Sections 12 and 13, Queen's Basin... | do 2 | 2,170 | 10,775 | Hardpan, gravel and boulders. |
| do do | do 4 | 7,435 | | |
| do do | do 6 | 1,170 | | |
| Section 14, Metcalfe Basin | do 6 | 630 | 4,710 | Hardpan and stones. |
| do do | do 7 | 4,080 | | |
| Section 14, Elgin Basin | do 2 | 280 | 1,760 | Sewage deposit, gravel, hardpan and boulders. |
| do do | do 5 | 1,220 | | |
| do do | do 6 | 360 | | |
| Section 18, Market Basin | do 6 | 1,025 | 1,025 | Sand and stones. |
| Section 19, Bonsecour Basin | do 2 | 27,860 | 27,860 | Sand and gravel. |
| Sections 20 to 22, Military Basin.... | do 2 | 4,840 | 27,170 | Sand and gravel. |
| do do | do 6 | 7,715 | | |
| do do | do 7 | 14,615 | | |
| Section 23, Commissioners' Wharf. | do 2 | 420 | 420 | Gravel and stone ballast. |
| Section 29, New Wharf. | do 2 | 2,925 | 3,375 | Clay, gravel, boulders, rubbish, &c. |
| do do | do 5 | 450 | | |
| Sections 12 to 20, Ship Channel and Island Shoal | do 4 | 30,258 | 107,043 | Sand, gravel and boulders. |
| do | do 5 | 38,480 | | |
| do | do 6 | 3,025 | | |
| do | do 7 | 35,280 | | |
| League Pointe | do 2 | 600 | 600 | Quicksand, gravel and stones |
| | Total..... | | 211,731 | |

ABSTRACT of Dredging done by each Dredge in the Harbour of Montreal in 1878.

| Dredges. | Commenced Working. | Stopped Working. | Time of Service. | Places at which Work was done. | Quantities Dredged at each place. | Total Dredged. | Remarks. |
|--------------|--------------------|------------------|---------------------------------------|--------------------------------|---|----------------|----------|
| | | | d'ys | | Cu. yds. | Cu. yds. | |
| Dredge No. 2 | May 10 Dec. | 9 168 | Queen's Basin | 2,170 | Hardpan, gravel and boulders. | | |
| do | do 10 do | 9 168 | Section 14, Elgin Basin | 280 | Sewage deposit, gravel, hardpan and boulders. | | |
| do | do 10 do | 9 168 | do 19, Bonsecour's Basin | 27,860 | do | | |
| do | do 10 do | 9 168 | do 21 and 22, Military Basin | 4,840 | do | | |
| do | do 10 do | 9 168 | do 23, Commissioners' Wharf | 420 | Gravel and stone ballast. | | |
| do | do 10 do | 9 168 | do 29, New Wharf | 2,925 | Clay, gravel, boulders, rubbish, &c. | | |
| do | do 10 do | 9 168 | Longue Pointe | 600 | Quicksand, gravel and stones. | | |
| | | | | 39,095 | | | |
| Dredge No. 4 | April 8 Dec. | 9 210 | Section 8, Windmill Point | 888 | Hardpan and boulders. | | |
| do | do 8 do | 9 210 | do 12 and 13, Queen's Basin | 7,435 | do Gravel and boulders. | | |
| do | do 8 do | 9 210 | do 12 to 20, Ship Channel | 30,228 | Sand, gravel and boulders. | | |
| | | | | 38,581 | | | |
| Dredge No. 5 | April 8 Dec. | 7 209 | Section 11, Windmill Point | 7,980 | Hardpan and boulders. | | |
| do | do 8 do | 7 209 | do 14, Elgin Basin | 1,120 | Sewage deposit, gravel, hardpan and boulders. | | |
| do | do 8 do | 7 209 | do 15 & 17, Ship Channel & Island Sh1 | 37,580 | Sand, gravel and boulders. | | |
| do | do 8 do | 7 209 | do 29, New Wharf | 450 | Clay, gravel, boulders, rubbish, &c. | | |
| | | | | 48,030 | | | |
| Dredge No. 6 | April 8 Nov. | 29 202 | Section 8 to 11, Windmill Point | 18,125 | Hardpan and boulders. | | |
| do | do 8 do | 29 202 | do 12 and 13, Queen's Basin | 1,170 | do Gravel and boulders. | | |
| do | do 8 do | 29 202 | do 14, Metcalfe | 630 | do an 1 stones. | | |
| do | do 8 do | 29 202 | do 14, Elgin | 360 | Sewage deposit, gravel, hardpan and boulders. | | |
| do | do 8 do | 29 202 | do 19, Market | 1,025 | Sand and stones. | | |
| do | do 8 do | 29 202 | do 20 and 22, Military | 7,715 | do gravel. | | |
| do | do 8 do | 29 202 | do 15, Ship Channel | 3,025 | Sand, gravel and boulders. | | |
| | | | | 32,050 | | | |
| Dredge No. 7 | April 8 Dec. | 9 190 | Section 14, Metcalfe Basin | 4,080 | Hardpan and stones. | | |
| do | do 8 do | 9 190 | do 18 to 20, Ship Channel | 35,280 | Sand, gravel and boulders. | | |
| do | do 8 do | 9 190 | do 20 to 22, Military Basin | 14,615 | Sand and gravel. | | |
| | | | | 53,975 | | | |
| | | | Grand Total | 211,731 | | | |

In addition to the 979 1/2 days' service included in the above table, No. 7 Dredge worked 20 days in the Ship Channel at Yarenes, and No. 2 Dredge worked 14 days at Pointe-aux-Trembles, or together, 34 days, which, with the 979 1/2 days in the Harbour, make an aggregate of 1,013 days' service for all the dredges. Of the 979 1/2 days in the Harbour, 450 1/2 days were spent in the Ship Channel within the Harbour, and 528 1/2 days in Harbour work proper.

HARBOUR COMMISSIONERS' Dredging Plant employed in the Harbour of Montreal in 1878.

| Description of Vessels. | Hull. | | | When Built. | Kind of Engine. | Engine. | | | Capacity of Bucket. |
|----------------------------------|------------------|------------------|----------------|-------------|----------------------------|---------------------|-----------------------|-------------------|---------------------|
| | Length over all. | Breadth of Beam. | Depth of Hold. | | | Number of Cylinder. | Diameter of Cylinder. | Length of Stroke. |  | Pressure of Steam. |
| <i>Dredges.</i> | Ft. in. | Ft. in. | Ft. in. | | | Ft. | | | C. ft. |
| Spoon Dredge No. 2..... | 77 0 | 26 6 | 6 3 | ..... | Horizontal non-condensing. | 12 | 16 | 40 to 70 lbs. | 40 |
| do No. 4..... | 77 3 | 27 0 | 6 6 | 1872 | | 14 | 16 | 40 to 70 " | 40 |
| do No. 5..... | 77 6 | 27 0 | 6 6 | 1873 | | 14 | 16 | 40 to 70 " | 40 |
| do No. 6..... | 77 0 | 27 0 | 7 6 | 1874 | | 14 | 16 | 40 to 70 " | 40 |
| do No. 7..... | 77 3 | 27 0 | 7 0 | 1874 | 14 | 16 | 40 to 70 " | 40 | |
| <i>Derricks.</i> | | | | | | | | | |
| Clam-shell Derrick No. 1..... | 56 8 | 23 9 | 5 9 | ..... | do | 8 | 12 | 60 to 70 lbs. | ..... |
| do No. 2..... | 57 0 | 23 6 | 5 9 | 1872 | | 7 | 12 | 60 to 90 " | ..... |
| do No. 3..... | 61 9 | 24 0 | 5 9 | 1875 | | 10 | 12 | 60 to 90 " | ..... |
| <i>Tug Boats.</i> | | | | | | | | | |
| St. Louis..... | 67 0 | 15 0 | 8 7 | 1875 | Vertical non-condensing. | 16 | 20 | 85 to 95 lbs. | ..... |
| St. Peter..... | 71 6 | 16 6 | 8 6 | 1875 | | 20 | 23 | 80 to 90 " | ..... |
| St. Paul..... | 65 6 | 15 0 | 8 0 | 1875 | | 18 | 18 | 80 to 100 " | ..... |
| <i>Barges.</i> | | | | | | | | | |
| Stagbound (floating shop)..... | 103 4 | 21 5 | 7 6 | 1869 | ..... | ..... | ..... | ..... | ..... |
| <i>Scows.</i> | | | | | | | | | |
| 2 to 6 dumping scows..... | 80 0 | 16 0 | 7 6 | ..... | ..... | ..... | ..... | ..... | ..... |
| 3 flat scows..... | 70 0 | 18 0 | 5 0 | 1875 | ..... | ..... | ..... | ..... | ..... |
| 2 do..... | 75 0 | 20 0 | 5 9 | 1876 | ..... | ..... | ..... | ..... | ..... |
| 2 do..... | 75 0 | 20 0 | 6 0 | 1878 | ..... | ..... | ..... | ..... | ..... |
| 9 do various sizes and ages..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

REPORT OF THE PILOTAGE DISTRICT OF MONTREAL FOR THE
CALENDAR YEAR ENDING 31st DECEMBER, 1878.

HARBOUR COMMISSIONERS OF MONTREAL,
SECRETARY'S OFFICE,

MONTREAL, 2nd January, 1879.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—By direction of the Harbour Commissioners of Montreal, I beg to transmit herewith, for the information of the Honourable the Minister of Marine and Fisheries, the following report of the Pilotage District of Montreal for the year ended 31st December, 1878, as required by the 24th section of the Pilotage Act of 1873.

On the 15th and 16th of January last, an examination of apprentices was held by the Commissioners, at which Alex. Gauthier and Louis Z Bouillé received their licenses as Branch Pilots, and at a subsequent examination, held on the 14th November, Joseph Toupin was also licensed.

Pilots Onesime Naud, the elder, aged 74, and Joseph Barabé dit Lafrenière, aged 65, were, after examination, granted a license to pilot for one year.

Two pilots have died during the year, viz.: Eusebe Toupin, aged 53, on the 5th April last; and Leandre Mayrand, aged 55, on the 31st August.

The following is a list giving the name and age of each pilot, for and above the Harbour of Quebec, acting under the authority of the Harbour Commissioners of Montreal, with the earnings of each, during the season of navigation of 1878:—

| No. | Name. | Age. | Earnings. | Remarks. |
|-----|------------------------------------|------|-----------|---|
| | | | \$ cts. | |
| 1 | Onesime Naud | 74 | 497 66 | |
| 2 | P. Marc l Mathieu | 58 | 1,050 36 | |
| 3 | F. A. Mayrand | 58 | 263 84 | From 1st July. |
| 4 | Joseph Leveille..... | 60 | ..... | Superintendent of Pilots. |
| 5 | Hector Hamelin..... | 60 | 621 59 | |
| 6 | Zephérin Bouillie..... | 49 | 882 92 | |
| 7 | P. Gaillardet..... | 62 | 372 66 | |
| 8 | Joseph Barnabé dit Lafreniere..... | 65 | 453 80 | |
| 9 | Cyrille Belisle | 50 | 484 20 | |
| 10 | Adolphe Lesée..... | 48 | 947 80 | |
| 11 | George Raymond..... | 48 | 1,214 98 | |
| 12 | Augustin Naud..... | 51 | 660 87 | |
| 13 | Hubert A. Belisle..... | 47 | 441 84 | |
| 14 | Athanase Dufresne | 44 | 1,706 40 | |
| 15 | Jean B. Dorval..... | 46 | 441 97 | |
| 16 | L. N. Bouillé..... | 51 | 1,000 00 | Pilot steamer "Montreal." |
| 17 | Edouard Naud..... | 55 | 473 87 | |
| 18 | Pierre Gagnon..... | 50 | 1,015 54 | |
| 19 | George Belisle | 38 | 602 19 | |
| 20 | Onesime Naud, No. I..... | 37 | 1,192 45 | |
| 21 | J. Octave Hamelin | 44 | 542 01 | |
| 22 | Joseph Chandonnet..... | 37 | 1,757 13 | |
| 23 | Louis A. Bouillie..... | 38 | 463 47 | Suspended from 12th Oct., pending enquiry into conduct. |
| 24 | Prudent Boudet..... | 36 | 1,435 68 | |
| 25 | Elzéar Belisle..... | 43 | 472 62 | |
| 26 | Joseph Pleau..... | 40 | 528 13 | |
| 27 | Celestin Brunet..... | 35 | 686 74 | |
| 28 | Louis Belisle..... | 32 | 1,324 45 | |
| 29 | Damase Caien | 37 | 440 77 | |
| 30 | Ulric Groleau | 30 | 603 93 | Suspended 1 year from 8th Nov. |
| 31 | Alfred Frenette..... | 38 | 496 17 | |
| 32 | Alfred St. Arnaud | 34 | 496 74 | |
| 33 | Phillipe Belanger..... | 39 | 524 99 | |
| 34 | Victor Gagnon | 39 | 582 42 | |
| 35 | Narcisse Perrault..... | 40 | 470 01 | |
| 36 | Trefle Toupin..... | 30 | 480 32 | |
| 37 | Cleophas Auger..... | 31 | 578 77 | |
| 38 | François Desjoridy | 33 | 439 85 | |
| 39 | Ferdinand LaBranche..... | 32 | 1,498 75 | |
| 40 | David Perrault | 36 | 507 18 | |
| 41 | Alexis Gauthier..... | 31 | 634 30 | |
| 42 | Louis Z. Bouillie..... | 29 | 624 32 | |
| | | | 29,919 69 | |
| | Leandre Mayrand..... | | 496 43 | To date of death. |
| | Total earnings..... | | 30,416 12 | |

This amount, \$30,416.12, was derived from the following sources, viz. :—

BRITISH.

| | | |
|----------------------|-------------|-------------|
| Steamships..... | \$19,508 31 | |
| Sailing Vessels..... | 8,887 43 | |
| | | \$28,395 74 |

FOREIGN.

| | | |
|----------------------|-----------|------------|
| Steamships..... | \$ 189 37 | |
| Sailing Vessels..... | 1,831 01 | |
| | | \$2,020 38 |

Total..... \$30,416 12

The following list shows the Name and Age of each Apprentice serving his time under the authority of this Trust:—

| No. | Name. | Age. | No. | Name. | Age. |
|-----|------------------------|------|-----|-----------------------|------|
| 1 | Leon Croteau..... | 39 | 14 | Laurent Gauthier..... | 29 |
| 2 | Jean Arcand..... | 26 | 15 | Tancrede Bouillé..... | 25 |
| 3 | Alphonse Cossette..... | 30 | 16 | Leboire Perrault..... | 34 |
| 4 | Delosie Naud..... | 26 | 17 | Jean Naud..... | 23 |
| 5 | Norbert Arcand..... | 24 | 18 | Joseph Hurteau..... | 19 |
| 6 | Ulric Toupin..... | 25 | 19 | Wilfred Raymond..... | 25 |
| 7 | Nestor Arcand..... | 23 | 20 | Adolphe Richard..... | 31 |
| 8 | Gideon Groleau..... | 27 | 21 | Narcisse Paquet..... | 24 |
| 9 | Wilbrod Gauthier..... | 27 | 22 | George Dufresne..... | 28 |
| 10 | Néré Belisle..... | 80 | 23 | Joseph Langlois..... | 24 |
| 11 | Louis Myrand..... | 32 | 24 | Honoré Dusseau..... | 25 |
| 12 | Hubert Perrault..... | 32 | 25 | Joseph Dusseau..... | 22 |
| 13 | Odilon Portelance..... | 27 | | | |

With one exception the casualties to vessels on the river during the past season have been of a minor character and unaccompanied by any serious loss or damage.

The following is an account of the same:—

On the 3rd June, as the Barque "Minerva" was leaving her berth at the Island Wharf, in the Harbour of Montreal, in tow of the tug "Champion," owing to her not having enough steerage-way she was driven in by the wind and current towards the wharves, and the tug, in endeavoring to get her out, broke the tow-line, and the barque drifted broad-side on the bows of the steamers "Quebec" and "Canada," lying at the Richelieu Pier, and was considerably damaged. The pilot in charge, D. Perrault, was summoned before the Commissioners, and the evidence of the captain and other officers and men of the barque was taken, as well as that of several eye-witnesses of the accident. As there was great difference of opinion among the witnesses as to the cause of the disaster, the Commissioners did not inflict any penalty, but being of opinion that if the vessel had been worked with the tug alongside instead of ahead, the collision would have been avoided; they ordered that he be reprimanded for not having fully considered all the circumstances of the case before starting.

During the afternoon of the 11th June, the steamship "Valetta," pilot, A. Dufresne, grounded off Cape St. Michael, but succeeded in getting off next day with the aid of a tug without sustaining any injury. An investigation was held, at which the evidence went to show that the buoy at Isle Delorier was slightly out of position, so the case was not pressed against the pilot, although the Commissioners considered he should not have been guided by the buoy alone, but should have taken the landmarks as well.

The ship "Glenfinart," pilot Alexis Gauthier, went a-ground a little above Lanoraie on the night of the 20th June, in consequence of the upper Lavaltrie Light not being lit, the lower light and its reflection on the smooth water being mistaken for the two lights. The vessel was not damaged, and got off after lightering. No complaint was made against the pilot.

On the 2nd August the steamship "Copia" went a-ground in the Coutreœur Channel on her way to Quebec. The vessel received no damage, but was delayed several days by having to lighter. As she proceeded to sea without making any report of the accident or complaint against the pilot, Hector Hamelin, the investigation was necessarily postponed until her return. She safely reached her destination and started on her return voyage to this port, but has since been reported as missing.

On the 12th October, the agents of the steamship "Semirande" made certain charges against pilot L. A. Bouillie. Owing to his absence from the city no investigation has yet been held, but he has been placed under suspension in the meantime.

On the morning of the 8th November, the steamships "Moravian" and "Phœnician," in charge of pilots' Adolphe Liséc and Ulric Groleau respectively, came into collision at Cap à la Roche, and both vessels, and a portion of the cargo of the "Phœnician" received very serious injury.

The result of a preliminary enquiry into the matter, showed that pilot Groleau was in fault, he having violated Article No. 133 of the Harbour By-Laws by not keeping his vessel, which was coming up, below Cap à la Roche, allowing the "Moravian" to pass down. Pilot Groleau then waived a formal trial, and admitted he was in the wrong, and the Commissioners have since decided that he be suspended for one year from the date of the accident.

The maintenance of the buoys (11 in number) in the Richelieu River, between St. Johns and Rouse's Point, and those in the Rivière des Prairies (8), which is a charge on the revenues of the Trust, have as usual been properly attended to, and thoroughly inspected by the Superintendent of Pilots.

Several cases of encroachment on the beach and river, by the building of wharves or piers, have been brought before the Commissioners during the past season, and the necessary steps have been taken to maintain the rights and jurisdiction of the Trust.

Tariff of pilotage now in force in the Pilotage District of Montreal:—

Quebec to Montreal, or vice versâ.

| | Upwards. | Downwards. |
|---|----------|--------------|
| Pilotage of vessels in tow of a steamer, for each foot of draught of water..... | \$2 00 | \$2 00 |
| Pilotage of vessels propelled by steam, for each foot of draught of water..... | 2 50 | 2 50 |
| Pilotage of vessels under sail, for each foot of draught of water..... | 4 20 | 2 80 |
| Moving a vessel from one wharf to another in the Harbour of Montreal, or from foot of current into the Harbour..... | 5 00 | 5 00 |

The amount received for poundage, being 5 per cent. on the earnings of the pilots, was \$1,532.83 for the year, including also that received on vessels coming only to Three Rivers. Besides this, there was received, as interest on investments, the sum of \$1,857.92, and several small items amounting to \$43.50, making a total of \$3,434.25.

The disbursements were \$2,147.70, paid as pensions to old and infirm pilots, and the widows of pilots.

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

H. D. WHITNEY,
Assistant-Secretary.

HARBOUR COMMISSIONERS OF MONTREAL.

OFFICE OF SUPERINTENDENT OF PILOTS,
Montreal, January, 1879.

H. D. WHITNEY, Esq.,
Asst. Secretary.

SIR,—I have the honor to submit, for the information of the Harbour Commissioners of Montreal, the following report on my work in connection with placing and maintaining the buoys in the River St. Lawrence between Montreal and Quebec, for the season of 1878:—

The steamer "Richelieu" was employed by me 54 days in the service, and the steamer "John Young" four days in the autumn taking up the buoys. In connection with this work I made about ten trips down the river, of more or less length, according to the amount of work to be done. It is unnecessary to give a detailed account of these trips, as the nature of the work is already known. It consists in placing the buoys wherever it is necessary, and maintaining them in the best possible order, that they may be sure guides to pilots going up or down in charge of ships. As the buoys are often dragged by rafts or vessels, and the chains attached to them get too long or too short, according to the height of the water, they must be frequently inspected so that those out of position may be replaced, the chains lengthened or shortened as the case may be, those that are too old replaced by new ones, and such as are not conspicuous enough repainted; in fact, to keep them in such good order that they may be of the greatest possible service.

I have pleasure in stating that the number of buoys moved out of position this season was much smaller than in previous years. As I have said before, the new buoys are much less likely to be carried away than the old.

The most important of my trips are the first and the last. The first is to replace the buoys taken up in the fall, and to put everything in order for navigation. I left this year on the 15th April. I found all the buoys left last autumn except seven—five at Capala Roche and two at Flat Islands, which were carried away by the ice. This is a very small proportion to the number left in place, 67. During the summer I found three of these buoys, so there were only four actually lost. Nearly all the buoys, however, were out of position; I replaced them, and put new ones in the place of some that were damaged. I also put some additional ones down during the summer as the water fell. The total number I had this fall was 153, of which 122 were wooden, 13 iron, and the remainder (20) casks, apart from the 7 buoys in the harbor; of these I have left down for winter (in safe positions) 58 wooden and 12 iron buoys, a total of 70. I took up 64 wooden buoys, all the barrels (20) and one iron buoy, that of Beaucour.

During the summer I raised two old iron buoys, one in Lake St. Peter, and the other at Pointe aux Trembles. The latter was 20 feet in length, and therefore difficult to raise. It had been lying at the bottom for five or six years.

I put down three new iron buoys in Lake St. Peter, and when doing so thought it advisable to anchor them by the other end opposite that which has heretofore been used, as by this means a weight of two hundred pounds is sufficient, while the other way requires a weight of 1,800 to 2,000 pounds, and at the same time they are more conspicuous. I hope to be as successful with those in the lake as with those at No. 3 lightship and Nicolet, which have not been disturbed, and with which the pilots are well pleased.

I employed anchors for the buoys at Capàla Roche only; everywhere else I used cast-iron weights (commonly called "*picassis*"). These are much less expensive. I bought fifty fathoms of chain for the buoys, which was sufficient for all my wants.

The beacons were all in order, and only a few had to be repainted.

There are in the Sorel shipyard some 30 to 35 anchors (found in the river), and also about 140 buoys; the latter will be used as occasion requires; they need to be renewed every two or three years, and there are always some damaged ones to be replaced. This year I only lost six, but I renewed several.

All the buoys employed between the Richelieu Rapids and Three Rivers have been stored in the latter place to avoid an unnecessary trip to Sorel.

I have the honor to be, Sir,
Your obedient seravnt,

JOSEPH LEVEILLE,
Superintendent of Pilots.

APPENDIX No. 14.

QUEBEC HARBOUR COMMISSIONERS' REPORT FOR THE YEAR 1878

(Under the 38 Victoria, Chap. 55, Section 14.)

QUEBEC, 16th January, 1879.

To the Hon. JAMES C. POPE,
 Minister of Marine and Fisheries,
 &c., &c., &c.,
 Ottawa.

SIR,—I have the honour to submit the following on the doings of the Quebec Harbour Commissioners for the year 1878.

Having reported to the Public Works Department on the works of the harbour improvements and the graving dock, and on the operations of the lifting barge, for the year 1878, I beg leave to state that, under these titles, this report will contain what I have already reported to the aforesaid Department.

The Harbour Improvements in the River St. Charles.

During the winter of the year 1877-78 the damage done to the works in progress was slight. The extraordinary mildness of the season doubtless contributed to this result; but the fact is worthy of record as a test of their general stability.

During this period, beyond the improvement, repair and increase of the contractors' plant, little beyond the preparation and miscellaneous iron work was done by the contractors.

In the construction of new and improved plant and other appliance, much energy was displayed; and the following engine moved, and labor a-saving tools were placed on the works to commence operations in the spring:—

One clam-shell dredge of the largest kind yet manufactured.

One dipper or shovel dredge on the principle of the well-known steam navy, equal to moving at each dip 84 cubic feet of material, or upwards of three cubic yards.

One steam revolving derrick of 110 feet radius, or 220 feet diameter, carrying buckets of equal capacity with the dipper dredge.

Two steam tugs, two pile engines, six hoppers and other barges, and one double cylinder concrete mixer.

These works, which are under contract with Messrs. Peters, Moore & Wright, as referred to in my report, dated 10th January, 1878, form a section of a general scheme for harbour improvements in the River St. Charles, as proposed by Messrs. Kinniple & Morris in their report of November, 1874.

This section includes the construction of a length of embankment of 300 feet in width, the entire distance between the ballast wharf and the gas wharf, and only a short space from the present terminus of the North Shore Railway, with which it is ultimately intended to connect it.

A ship channel of 150 feet wide and a quay wall on a concrete foundation, are in course of completion for an entire length of 3,500 feet. These forming a part of a Tidal Harbour and Wet Dock, respectively, on a line to be determined by the production of Peters street or Dalhousie street, or partly of both.

The work for the year 1878 has been solely continued from the ballast wharf end, obviously the better, unless a commencement at both ends had been within the resources of the contractors.

The outer open crib-work, forming the northern face and foundation of the slope of the embankment, has been completed to coping level in the first 120 feet in length, reported in position and completed to 9 feet above low water last year, and further extension of 1,500 feet has since taken place in the direction of the Gas wharf, and 3,030 feet required to complete a junction with the crib-work at that end of the works previously reported, of 790 feet in length.

The excavation of the deep trench and the 150 feet deep channel of the ultimate tidal basin has been continued and nearly completed, with the exception of the slopes and final grading, to a length 1,250, or nearly the entire deep-water section.

In the deep trench nine 120 feet crib-work caissons have been sunk and concreted up to 3 feet above low water, preliminary to planting on the 12-inch square rock elm capping under the ashlar masonry of the stone face, which is to have a height of 24 feet to coping level, including, with the concrete foundation, an entire height of 48 feet, 24 of which is below low-water spring tides.

The timber work of the deep crib-work caissons have a special character, at the same time embodying the best form of construction in its front face of solid entremise filling dovetailed into the crossties. In the cross sections considerable novelty has been introduced by the insertion of blocking pieces between the corps-morts or crossties, which, being notched in $1\frac{1}{2}$ inch, and otherwise closely fitting, give great strength to the work, producing such a distance between the crossties, vertically, as insures the solidity of the concrete placed in the intervening spaces and compartments of the cribwork as to make it really constitute one solid mass or monolith throughout.

The timber work has been most carefully constructed by one of the contractors, Mr. Simon Peters, and afterwards sunk in position, not without difficulty, but at the same time with complete success.

One of these cribs in progress of construction is shown in the photograph, Annex No. 1, accompanying this Report.

The concreting of these deep cribs has been effected in the most approved method in general use, by adopting skips, or boxes of as large a size as possible, with spring and trigger doors opening below. They are made to contain one cubic yard of concrete; the sides being continued down the full depth of the doors when open, so as to prevent wash and disturbance, and also, to insure the deposit at once of the combination of sand, broken stone and cement, in the form in which it is placed in the skips.

Nine thousand yards have in this way been successfully deposited, levelled below by divers, and brought up to the level of three feet above low water, ready to receive a finishing course on which to commence the stone face at the back of elm capping.

A general view of the cribs, sunk and concreted, as far as No. 7, is shown in photograph Annex No. 2, accompanying this Report, weighted with stone to be used for back filling. This excellent picture shows the level in cross sections at the end of the crib No. 7, with regard to low water, and the success with which the general line and level of the crib-work blocks have been maintained. Annex No. 3 shows the contractors' plant in position particularly well, the large dipper dredge, and the 220 feet diameter derrick, with the three divers and others of the men employed.

The amount paid on account of these works up to the last day of the year has reached the sum of \$211,033.65.

It may be well to recur, in conclusion, to the importance of these works now in progress, forming part of a scheme for the perfect accommodation of some 110 vessels at one time, of an average length of 250 feet, or of 1,600 for the working season, connecting at the same time the North Shore Railway at once with deep water quay walls, presumably the entire western traffic of this line as far as Ottawa, next, probably of Toronto, and ultimately of the Pacific.

Graving Dock.

During the latter part of the year 1877 the Commissioners resolved to proceed with the dock excavations at Point Lévis. A commencement was made on the 12th November, 1877, and the work was continued without intermission until the month of April last, when tenders for the completion of the entire works were invited by the Commissioners. The entire quantity of excavation up to that time was 10,267 yards.

The total expenditure connected with these works up to the 31st December last amounts to thirty-five thousand six hundred and thirty-one dollars and thirty-eight cents (\$35,631.38).

These works were formally contracted to Messrs. Larkin, Connolly & Co. on the 17th August, 1878, for a sum of three hundred and thirty thousand nine hundred and thirty-two dollars (\$330,932), since which time the contractors have continued the excavation to one foot below coping. The Government wharf forming the abutment of the western wing wall of the dock works having been filled in with spoil and suitable refuse from the rock-cutting and excavations.

The whole of these works have been performed under the superintendence of the resident engineer, M. Woodward Pilkington, M.I., C.E., whose ability has given great satisfaction to the Commissioners.

The question respecting the co-operation of the Montreal Harbour Commissioners in the management of the Graving Dock, has been re-opened during the month of January by the Quebec Harbour Commissioners, and resulted in a satisfactory arrangement. In order to put this arrangement into effect it will be necessary to amend the Act 38 Victoria, chapter 56, respecting the Graving Dock.

Lifting Barge.

The barge having undergone a very severe test during the working season of 1877, as stated in my report for that year, was sent to Davie's Dock in order to have her repaired in accordance with the recommendations of the Port Warden, Captain Dick.

On the 6th May the Port Warden forwarded the following report on the repairs done to the barge under his supervision :

“ PORT WARDEN'S OFFICE,
128 ST. PETER STREET,

“ QUEBEC, 6th May, 1878.

“ A. H. VERRET, Esq.,

“ Secretary-Treasurer Quebec Harbour Commissioners.

“ SIR,—In compliance with your letter dated April 13th, 1878, I beg to inform you that the following repairs were found necessary to be made on the Lifting Barge before undocking.

“ In addition to the diagonal iron straps originally on the inside (14) fourteen pairs have been added, viz., seven pairs at each end of the vessel; all are through-bolted with quarter-inch round iron clenched on rings. For placing the above straps, parts of the cabins and flooring had to be removed, which have been replaced.

“ The diagonal wood bracing each side of the well have been additionally tree-nailed. In the spaces of the cooking and engineer's rooms, the joints have been caulked and filled with wood battened over. On each side of the well the vacant spaces over the heads of the stanchions have been filled solid with wood.

“ Outside the well has been caulked all over. The iron linings on its lower edges removed for caulking. All have been replaced. Six pieces of plates had to be new.

“ The stern and sternposts, where there was indication of straining, have been strengthened by eight straps of iron bolted to each other through the stern and sternposts and otherwise through bolted and clenched on the inside. One rudder brace broken, removed, repaired and replaced.

"The batts in bottom at bluff of bows and quarters have been additionally bolted.
 "Caulking has been done from the keel to rails, including parts on deck;
 seams have all been coated with pitch and rosin, the bottom coated with coal-tar;
 paint work above water-line twice coated with paint, including boats, &c.

On Deck.

"Iron stanchion sockets on both sides have been secured with new bolts. One additional scuttle-hatch has been made in midships on port side. Deck glasses with those broken in sky-lights have been all made good. Engine frames additionally fastened with screw bolts and with sundry other iron work repaired.

I am also of opinion that the work as above enumerated has been completed in a most satisfactory manner, and to the entire satisfaction of your

"Most obedient servant,

"JOHN DICK."

Port Warden,

These repairs, including the cost of docking the barge for the winter, have amounted to the sum of eleven hundred and ninety-one dollars and thirty cents (\$1,191.30).

The Captain, Claude Giguère, was re-engaged in the month of April, and took charge of the craft immediately after his appointment. He was directed to search and try to secure the two large nests of anchors and chains that were known yet to exist. In the beginning of May the barge was towed in the stream and the search was commenced without delay.

After two weeks of steady searching the Captain reported that he had failed to fasten the barge on either of the nests, although he had not abandoned hopes of securing them.

He was therefore ordered to cease his search till further orders, and to raise the steamer "Bidder," sunk some ten years ago in front of the ferry landing at Lévis.

After two months work the whole wreck, comprising the engines, the boiler and the hull, was safely landed on Carrier's premises, at Lévis.

The wreck having not been claimed under the authority of the 5th Section of the 29, 30 Victoria, Chap. 59, was disposed of as provided for by Section 2 of the 22nd Victoria, Chap. 31. The sale only realized one hundred and fifty dollars, \$150.

The obstruction caused by this wreck was as dangerous, if not more so, to shipping than a nest of anchors, and all interested have learned with satisfaction of its disappearance.

As soon as the lifting barge had landed the wreck, Captain Giguère received instructions to resume his search for nests of anchors and chains for which he had already searched in the beginning of the season. His search proved again unsuccessful, and it has been inferred that no more nests were in existence, or that if such really exist, they were covered with sand and were as obstruction considered of no more consequence.

During his search the master of the barge has succeeded in raising five anchors and about sixty-six fathoms of chain. One of these anchors was claimed by its owners, the Allan Steamship Company, and delivered to them on payment of the salvage.

Amongst these anchors there is one which is the largest that has ever been raised by the barge. It weighs 5,985 pounds, and according to experts, must have been under water for at least sixty years. It has been established by marks thereon that it belonged to an English frigate.

The wreck of the steamboat "Ottawa," sunk some sixteen years ago off the wharf belonging to the Montreal Ocean Steamship Company, has been surveyed during the month of August, and the master of the lifting barge has reported that

the whole wreck was covered with sand, and declared that he was of opinion it could not injure the shipping even if the sand over it were washed, inasmuch as it is so close to the wharf vessels are not supposed to anchor there.

On the recommendation of the Lifting Barge Committee it was agreed to order the barge on the Fly Bank in order to remove the largest boulders that were considered the most dangerous obstructions.

The barge was at work about twenty days on that spot, and eighteen boulders were secured and removed. They were all of a very large size, one of them was eight feet and another six feet high, the first weighing over twelve tons and the latter ten.

Some years ago a vessel belonging to the Allan Line touched the first mentioned boulder and sustained damages to the amount of eight thousand dollars. (\$8,000.)

The question of raising the wreck of the ship known as "L'Original," sunk in the harbour since October, 1750, according to the "*Jesuits Journal*," was discussed during the summer by the Commissioners, and it was decided to remove that so long existing obstruction.

The captain of the barge was accordingly ordered to suspend the work of removing the boulders and to commence operations on the wreck in question. After a thorough survey he reported the wreck 170 feet long, 40 feet beam, and under 95 feet of water.

It having been ascertained that this obstruction could not be removed without the aid of explosive material, a contract was entered into with the firm Cochrane, Lewis & Co., of Montreal, by which they undertook, for the sum of one thousand dollars, to blow up the wreck with dynamite. They were bound to furnish their operator with the explosive material and instruments, and all possible assistance was to be given by the lifting barge with her crew. It was also necessary to secure the services of a diver.

The work of blasting was commenced on the 24th September, and continued, weather permitting, till the close of navigation. After each explosion the barge was engaged in securing the broken pieces of the wreck.

The work has been progressing favourably, but more slowly than anticipated, and about one-fourth of the wreck has been secured. At the end of the year's operations the whole of the salvage, consisting of a quantity of broken pieces, four beams and some timbers, were safely landed on one of the wharves of the Commission.

Three anchors with thirty fathoms of chain have been also secured from the wreck.

Judging by the time it has taken to raise the portion of the wreck that has been blasted and removed, it will take at least four months to clear away the remainder of this obstruction. If you add to that the time it will take to remove the boulders that were left untouched inside the Fly Bank the barge will be engaged the whole of the season of 1879 to complete the work remaining unfinished.

It is to be hoped that the Government will include in their estimates of next Session the usual appropriation in order that the Commissioners may be enabled to continue the work of clearing the harbour.

By referring to the working expenses of the lifting barge for the last two years, it may be inferred that a sum of *twelve thousand dollars* will be sufficient to meet the expenses of the coming season.

The annexed statement, No. 4, shows the cost of the barge, her yearly working expenses, also, the yearly quantity of anchors, chains, &c., saved by her since the beginning of her operations in 1875.

In conclusion, I am happy to state that Captain Giguère, the master of the barge, has given as much satisfaction this year as in previous years.

Ballast.

The new by-law sanctioned in June, 1877, to regulate the discharging of the ballast, has continued to give satisfaction to the Commissioners.

Forty-three vessels have been ordered to the breakwater during the season to discharge their ballast.

The aggregate quantity discharged amounted to seventeen thousand one hundred and eighteen tons (17,118). By adding to that amount the total of the previous year, seventeen thousand and twenty-five tons (17,025) it gives a total of thirty-four thousand one hundred and forty-three tons (34,143) discharged in the breakwater since the by-law has been in operation, representing the ballast of eighty-nine vessels. A very small proportion of this ballast is of stone; it is composed chiefly of sand or clay.

The expenditure in connection with the breakwater, including repairs, &c., amounts to the sum of two thousand three hundred and forty-five dollars and twenty-eight cents (\$2,345.28) for the year.

All the ballast that could be secured from the demolition of the Jesuits' barracks has been deposited in Pointe-à-Carey wharf. Three thousand three hundred and eighty-nine tons (3,389) have been obtained from the demolition, and carted at the price of 30 cents per ton.

With this material a roadway of six hundred feet (600) long and the width of 15 feet has been constructed. It is the intention of the Commissioners, if they can secure the material, to cause this road to be continued some three hundred feet more in length, in order to reach the end of the wharf. The road has been properly levelled and covered with sand; but in consequence of the large circulation of heavy loaded vehicles on this portion of the Commissioners' wharves, it will be necessary to macadamize it at an early date.

The sand used to cover the road has been secured from the ballast of 2 vessels, and gnagé 50 tons.

The necessity of filling up the whole Pointe-à-Carey wharf is felt more than ever, and the Commissioners will lose no opportunity of having such an improvement done.

One thousand and eleven tons of stone have been bought at the price of 30 cents per ton, and deposited also in the same way.

Repairs to Property.

The necessary repairs have been done as usual to the property of the Commission. The sum expended for that branch of the service amounts to the round sum of twenty-four hundred dollars (\$2,400) out of that sum nineteen hundred and thirty dollars (\$1,930) were applied to the Pointe-à-Carey wharf, exclusive of the amount paid for ballast already mentioned. As long as the filling up of that long wharf is not completed, its yearly repairs will always be somewhat heavy, in consequence of the renewal of the broken beams and the decayed planking which are brought to this state, the first by the weight of coals and other heavy goods that are stored on it and the other by the action of the air underneath.

Coasting and Foreign Trade.

As stated in the last report, the law does not compel the coasting traders to report their outward cargoes, the Commissioners can only furnish, as usual, a statement of the arrivals of the season, which stands as follows:—

| | |
|---------------------------|-------|
| Cargoes by Schooners..... | 1,382 |
| “ Batteaux..... | 1,711 |
| “ Barges..... | 238 |
| “ Steamboats..... | 380 |
| Total..... | 3,721 |

Representing an aggregate tonnage of 273,476 tons.

Forty-two thousand six hundred passengers, (42,600,) have been landed at the port during the year by the vessels engaged in the coasting trade.

The annexed Comparative Statements, Annex No. 5, prepared by the Custom's authorities, contain the whole information in reference to the foreign trade of this port for this year and the previous years therein mentioned.

Investigations.

Under the authority of two Orders in Council, respectively dated the 29th August and the 3rd September, the Commissioners have held an investigation into the loss of the steamships "Lake Megantic," "Blenheim" and "Lady Head." Thirteen sittings of an average length of three hours were spent in hearing the evidence adduced in the three cases. The Commissioners have spared no trouble to arrive at a thorough knowledge of the circumstances connected with the three wrecks and they have learnt with satisfaction that you have approved of and confirmed their report and judgment in each case.

During the investigation into the loss of the "Blenheim" it has been ascertained by the evidence of the captain that he had been misled, as to the beginning of the pilotage ground in the harbour, by the supplement to "Lighthouses of the World," published in 1878 by Mr. Richard Holmes Laurie, of London, and edited by Mr. A. G. Findlay. Orders were immediately given to write to the publisher in order to have the error corrected in the future edition of the work. Meanwhile a copy of the letter was forwarded to the "Shipping and Mercantile Gazette," with a request to publish it in the interest of mariners.

The Quebec, Montreal, Ottawa and Occidental Railway terminis to deep water.

Negotiations are progressing favorably with regard to the arrangements to be made for bringing the Quebec, Montreal, Ottawa and Occidental Railway to deep water in the harbour over the wharves now under contract. The contractors have declared themselves ready to deliver, on the 15th July next, a length of 800 feet of crib-work up to coping level on the west end of the works. If their offer is accepted the cars will be able to run at that date on this portion of the Harbour Works.

Revenue.

The following is a Comparative Statement of the revenue of the Commission for this and the previous year:—

| | 1877. | 1878. | Difference in 1878. | |
|---------------------------|-----------|-----------|---------------------|-----------|
| | \$ cts. | \$ cts. | \$ | cts. |
| Tonnage Dues..... | 40,816 90 | 24,677 12 | 16,139 78 | Decrease. |
| Import do | 2,787 69 | 2,993 47 | 205 78 | Increase. |
| Export do | 16,957 88 | 6,105 86 | 4,852 02 | Decrease. |
| Harbour do | 3,913 76 | 3,834 23 | 79 53 | do |
| Property Revenue | 24,951 62 | 23,652 24 | 1,299 38 | do |
| Interest..... | 2,980 13 | 2,916 54 | 63 59 | do |
| B and D. Water Lots | 2,482 87 | 2,175 37 | 307 50 | do |
| Sundries | 138 31 | 1 00 | 137 31 | do |
| Total | 89,029 16 | 66,355 83 | 22,673 33 | do |

The large decrease in the revenue is entirely due to the great depression of business that has prevailed the whole year.

Notwithstanding this state of affairs, the Commissioners have, however, ascertained with satisfaction that they have had a surplus of revenue of eight thousand three hundred and eight-nine dollars and ninety-five cents (\$8,389.95) over the expenditure of the year.

The whole respectfully submitted,

A. H. VERRET,

Secretary-Treasurer.

REVENUE AND EXPENDITURE.

DR.

CR.

| 1878. | \$ | cts. | 1878. | \$ | cts. |
|--|--------|------|---------|--------|------|
| To Beach and Deep Water Lots. | 2,175 | 37 | Dec. 31 | | |
| Interest..... | 2,916 | 54 | | | |
| Sundries | 1 | 00 | | | |
| Atkinson's Wharf..... | 2,244 | 00 | | | |
| East India Wharf..... | 4,066 | 67 | | | |
| West India and Wellington Wharves..... | 3,786 | 67 | | | |
| Reynar's Wharf..... | 1,300 | 00 | | | |
| Pointe-a-Carcy Wharf..... | 6,254 | 96 | | | |
| Breakwater..... | 6,000 | 00 | | | |
| Tonnage dues..... | 24,677 | 12 | | | |
| Export do | 6,105 | 86 | | | |
| Import do | 2,993 | 47 | | | |
| Harbour do | 3,834 | 23 | | | |
| | | | | 66,355 | 83 |
| By Officers' salaries for year..... | 6,373 | 27 | | | |
| Schooner reporters for year..... | 850 | 00 | | | |
| Legal expenses do | 345 | 76 | | | |
| Atkinson's Wharf, repairs..... | 126 | 30 | | | |
| East India Wharf, do | 264 | 60 | | | |
| West India and Wellington Wharves, repairs..... | 342 | 84 | | | |
| Reynar's Wharf repairs..... | 11 | 00 | | | |
| Pointe-a-Carcy Wharf, repairs..... | 1,930 | 11 | | | |
| Breakwater..... | 450 | 24 | | | |
| Commissioners, attendance..... | 2,485 | 00 | | | |
| Auditors for 1877 | 100 | 00 | | | |
| Printing codified statutes..... | 221 | 80 | | | |
| Hanging bells..... | 49 | 54 | | | |
| Hardware..... | 127 | 02 | | | |
| Painting..... | 24 | 80 | | | |
| Boat for general use..... | 32 | 00 | | | |
| Tinsmith work..... | 76 | 64 | | | |
| Office expenses, printing, advertising, stationery, cleaning, etc..... | 775 | 06 | | | |
| One year's interest and Sinking Fund on \$723,000 Harbour Debentures..... | 43,380 | 00 | | | |
| Excess of Revenue over Expenditure..... | 8,389 | 95 | | | |
| | | | | 66,355 | 83 |

A. H. VERRET,
Secretary-Treasurer.

JAS. WOODS,
Book-keeper.

HARBOUR COMMISSIONERS' OFFICE,
QUEBEC, 16th January, 1879.

STATEMENT of Assets and Liabilities, per Balance Sheet.—Quebec, 31st December, 1878.

| ASSETS. | | \$ | cts. | \$ | cts. | LIABILITIES. | \$ | cts. | \$ | cts. |
|--|--|---------|------|-----------|------|---|---------|------|---------|------|
| <i>Real Estate</i> :— | | | | | | <i>Quebec Harbour Debentures</i> | | | 723,000 | 00 |
| Reynar's Wharf..... | | 8,452 | 70 | | | <i>Dominion Government</i> :— | 175,000 | 00 | | |
| Atkinson's Wharf..... | | 50,945 | 20 | | | Account of Harbour Improvements .. | 50,000 | 00 | | |
| East India and Wellington Wharves..... | | 84,605 | 75 | | | do Graving Dock..... | | | 225,000 | 00 |
| East Indian Wharf..... | | 48,288 | 10 | | | <i>Sundry Competitors</i> :— | | | | |
| Pointe-a-Carcy Properties..... | | 268,613 | 15 | | | On deposit for Copies of Specification..... | | | 199 | 50 |
| Breakwater..... | | 215,427 | 40 | 676,372 | 30 | <i>Surplus—composed as follows</i> :— | | | | |
| <i>In re Beach and Deep Water Lots, viz</i> :— | | | | | | Beach and Deep-water Lots at Credit..... | 43,932 | 50 | | |
| Capital at debit of sundry persons..... | | 35,348 | 49 | | | Sinking Fund..... | 42,716 | 66 | | |
| Arrears of interest to 24th June, 1878..... | | 4,119 | 88 | | | Excess of Revenue..... | 51,995 | 84 | | |
| do do 24th December, 1878..... | | 1,241 | 44 | 40,760 | 81 | | | | 138,645 | 00 |
| <i>Cash</i> :— | | | | | | | | | | |
| On hand..... | | 159 | 23 | | | | | | | |
| In La Banque Nationale..... | | 62,483 | 30 | 62,642 | 53 | | | | | |
| <i>Dominion Government</i> :— | | | | | | | | | | |
| Lifting barge expenses..... | | 8,249 | 16 | | | | | | | |
| Investigation expenses..... | | 1,366 | 29 | 9,615 | 45 | | | | | |
| <i>Harbour Improvements</i> :— | | | | | | | | | | |
| Peters, Moore & Wright..... | | 178,613 | 67 | | | | | | | |
| Engineering and sundries..... | | 32,419 | 98 | 211,033 | 65 | | | | | |
| <i>Graving Dock</i> :— | | | | | | | | | | |
| Larkin, Connolly & Co..... | | 18,137 | 50 | | | | | | | |
| Engineering and sundries..... | | 17,393 | 88 | 35,531 | 38 | | | | | |
| <i>Sinking Fund</i> :—In hands of Receiver-General..... | | | | 42,716 | 66 | | | | | |
| Rents :—Due by sundries, as per Balance Sheet..... | | | | 5,393 | 96 | | | | | |
| <i>Harbour Dues</i> :—Due by sundries, as per Balance Sheet..... | | | | 256 | 40 | | | | | |
| Jackscrews :—On hand..... | | 394 | 87 | | | | | | | |
| Anchors :—On hand..... | | 342 | 70 | | | | | | | |
| Bills Receivable..... | | 513 | 76 | | | | | | | |
| Kimipple & Morris :—Due by them..... | | 8 | 00 | | | | | | | |
| Office Furniture..... | | 1,253 | 03 | 1,086,844 | 50 | | | | | |
| | | | | 1,086,844 | 50 | | | | | |

A. H. VERRÉT,
Secretary-Treasurer.

JAS. WOODS, Book-keeper,
HARBOUR COMMISSIONERS' OFFICE, QUEBEC, 16th January, 1879.

DR. BALANCE SHEET of 31st December, 1878.

CR.

| | | \$ | cts. | | | \$ | cts. |
|----|---|-----------|------|----|--|-----------|------|
| To | Office furniture..... | 1,253 | 03 | By | Beach and deep-water lots | 43,932 | 50 |
| | Amount at debit of grantees of beach and deep-water lots..... | 39,528 | 37 | | Quebec Harbour Debentures..... | 723,000 | 00 |
| | Amount at debit of lessees of wharves and warehouses | 5,393 | 96 | | Sinking Fund..... | 42,716 | 66 |
| | Amount at debit of sundry parties for harbour dues..... | 256 | 40 | | James Boyd..... | 50 | 00 |
| | Reynar's Wharf..... | 8,452 | 79 | | Phillip Quigley & Son..... | 49 | 50 |
| | Atkinson's Wharf..... | 50,945 | 20 | | C. H. Reynor..... | 50 | 00 |
| | West India & Wellington Wharves | 84,605 | 75 | | J. C. Rogers..... | 50 | 00 |
| | East India Wharf..... | 48,268 | 10 | | Dominion Government for harbour improvements | 175,000 | 00 |
| | Pointe-a-Carcy Properties..... | 268,673 | 15 | | Dominion Government for Graving Dock..... | 50,000 | 00 |
| | Breakwater..... | 215,427 | 40 | | Excess of Revenue..... | 51,995 | 84 |
| | Peters, Moore & Wright..... | 178,613 | 67 | | | | |
| | Larkin, Connolly & Co..... | 18,137 | 50 | | | | |
| | Harbour improvements | 32,419 | 98 | | | | |
| | Graving Dock..... | 17,393 | 88 | | | | |
| | Kinniple & Morris..... | 8 | 00 | | | | |
| | Dominion Government..... | 9,615 | 45 | | | | |
| | Jackscrews account..... | 394 | 87 | | | | |
| | Anchor account..... | 342 | 70 | | | | |
| | Receiver-General of Canada, Sinking Fund..... | 42,716 | 66 | | | | |
| | La Banque Nationale..... | 62,483 | 30 | | | | |
| | Cash..... | 159 | 23 | | | | |
| | Bills Receivable..... | 513 | 76 | | | | |
| | Suspense Account | 1,241 | 44 | | | | |
| | | 1,086,844 | 50 | | | 1,086,844 | 50 |

A. H. VERRET,
Secretary-Treasurer.

JAS. WOODS,
Book-keeper.

HARBOUR COMMISSIONERS' OFFICE,
QUEBEC, 16th January, 1879.

QUEBEC HARBOUR COMMISSION.

STATEMENT of Contracts awarded by the Quebec Harbour Commissioners in connection with the Harbour Improvements and the Graving Dock, together with Expenditure up to 31st December, 1878, connected with same.

| Nature of Contracts. | Dates of Contracts. | Dates of Completion of Contracts. | To Whom Awarded. | Net Amount of Contracts. | Approximate value of additions to Contracts. | Total amount of Contracts with Additions. | Total amount paid to Contractors. | Total amount paid for engineering and Sundries. | Total Expenditure |
|---------------------------|----------------------|-----------------------------------|-----------------------------|--------------------------|--|---|-----------------------------------|---|-------------------|
| | | | | \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. |
| Harbour Improvements..... | May 2, 1877..... | October 2, 1880..... | Peters, Moore & Wright..... | 539,286 31 | 15,306 07 | 544,602 38 | 178,613 67 | 32,419 98 | 211,033 65 |
| Graving Dock..... | August 17, 1878..... | June 1, 1882..... | Larkin, Connolly & Co..... | 330,953 89 | 1,762 00 | 337,715 89 | 18,137 50 | 17,393 88 | 35,531 38 |

Certified.

A. H. VERRET,
Secretary-Treasurer.

QUEBEC HARBOUR COMMISS

STATEMENT showing the cost of the Lifting Barge, her yearly working expenses ; remaining

| 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. | Quantity of Anchors, Chains, Boulders, &c., raised in | | | |
|---|---------------------------|--|--|--|---|---|---|--|
| | | | | | 1875. | 1876. | 1877. | 1878. |
| \$ cts. 35,184 56 | \$ cts. 1,735 29 | \$ cts. 15,301 79 | \$ cts. 11,766 00 | \$ cts. 10,555 23 | Four anchors and about 250 fathoms of chain. | Fifty-seven anchors and 1,425 fathoms of chain. | One hundred and one anchors and 3,291 fathoms of chain. | Eight anchors, 96 fathoms of chain, 18 boulders, the wreck of the steamer "Bidder," and about one-fourth of the wreck known as "L'Original." |

N.B.—The anchors entered in the above Statement do not include 24 broken anchors which have 8 anchors raised in 1878 was claimed by its owners, the Allan Steamship Company, and surrendered on returned in 1878. One anchor belonging to the stock on hand was transformed into a grapnel in chain, sold for \$175.03, are yet unpaid.

SEAFARERS' LIFTING BARGE.

also, yearly quantity of Chains, Anchors, &c., saved and disposed of, and what on hand.

| Quantity of Anchors, Chains, &c., disposed of in | | | | Quantity of Anchors and Chains on hand the 31st December, 1878. | Proceeds of the sale of Anchors, Chains, &c., in | | | |
|--|---|--|---|---|--|-------------------|---------------------|---------------------|
| 1875. | 1876. | 1877. | 1878. | | 1875. | 1876. | 1877. | 1878. |
| None. | Eleven anchors and 3,231 lbs. of chain. | Thirty-six anchors and 99,074 lbs. of chain, broken anchors, &c., sold as scrap. | Fourteen anchors, 79,080 lbs chain, 7 shackles and 1 stock. | Eighty-Six anchors, about 300 tons of chain and 176 shackles. | \$ cts. None. | \$ cts. 839 88 | \$ cts. 1,761 53 | \$ cts. 1,447 18 |

also been secured, and are classed as scrap. Twelve of these anchors were sold in 1877. One of the the payment of salvage. Two anchors, with 135 fathoms chain and one shackle, sold in 1877, were October, and sent to the Barge to replace one that had been broken. Five anchors and 7,210 lbs.

Certified.

A. H. VERRET,
Secretary-Treasurer.

PORT OF QUEBEC.

COMPARATIVE STATEMENT of the Number and Tonnage of Sailing Vessels and Steamers, with the Number of Men employed, entered Inwards and Outwards, for the Years ending on the 31st December, 1877 and 1878; showing the Countries from whence they came and for which they cleared, whether in cargo or ballast; also, distinguishing the Countries to which they belonged.

| Return of Vessels Inwards for the Years ending 31st December, 1877 and 1878. | | 1877. | | 1878. | | |
|---|---------------|---------|--------|---------------|---------|--------|
| | Ves- sels. | Tons. | Men. | Ves- sels. | Tons. | Men. |
| Total Vessels arrived.... | 982 | 872,100 | 20,919 | 666 | 616,523 | 15,892 |
| Vessels with cargoes.... | 403 | 409,566 | 11,367 | 325 | 357,804 | 10,372 |
| do in ballast..... | 579 | 462,534 | 9,552 | 341 | 258,719 | 5,520 |
| Total..... | 982 | 872,100 | 20,919 | 666 | 616,523 | 15,892 |
| Number of Steamers..... | 100 | 160,383 | 5,975 | 107 | 177,672 | 6,517 |
| do Sailing Vessels..... | 882 | 711,717 | 14,944 | 559 | 438,851 | 9,375 |
| Total..... | 982 | 872,100 | 20,919 | 666 | 616,523 | 15,892 |
| British Vessels..... | 685 | 674,917 | 16,585 | 475 | 482,551 | 13,020 |
| Foreign do..... | 297 | 197,183 | 4,334 | 191 | 133,972 | 2,872 |
| Total..... | 982 | 872,100 | 20,919 | 666 | 616,523 | 15,892 |
| <i>Under what Flags.</i> | | | | | | |
| British..... | 685 | 674,917 | 16,585 | 475 | 482,551 | 13,020 |
| United States..... | 6 | 4,797 | 93 | 6 | 4,378 | 85 |
| French..... | 1 | 739 | 18 | 5 | 1,618 | 62 |
| Norwegian and Swedish..... | 255 | 172,762 | 3,741 | 165 | 116,762 | 2,484 |
| German Empire..... | 23 | 11,456 | 300 | 11 | 5,931 | 146 |
| Austrian..... | 1 | 742 | 15 | ..... | ..... | ..... |
| Spanish..... | 1 | 610 | 13 | ..... | ..... | ..... |

| Return of Vessels Outwards for the Years ending 31st December, 1877 and 1878. | | 1877. | | 1878. | | |
|--|---------------|---------|--------|---------------|---------|--------|
| | Ves- sels. | Tons. | Men. | Ves- sels. | Tons. | Men. |
| Total Vessel cleared.... | 992 | 864,017 | 20,629 | 672 | 603,705 | 15,473 |
| Vessels with cargoes..... | 590 | 863,429 | 20,607 | 672 | 603,705 | 15,473 |
| do in ballast..... | 2 | 588 | 22 | ..... | ..... | ..... |
| Total..... | 992 | 864,017 | 20,629 | 672 | 603,705 | 15,473 |
| Number of Steamers..... | 86 | 143,969 | 5,428 | 93 | 157,461 | 5,993 |
| do Sailing Vessels..... | 906 | 720,048 | 15,201 | 579 | 446,244 | 9,480 |
| Total..... | 992 | 864,017 | 20,629 | 672 | 603,705 | 15,473 |
| British Vessels..... | 700 | 672,806 | 16,440 | 489 | 475,779 | 12,727 |
| Foreign do..... | 292 | 191,121 | 4,189 | 183 | 127,926 | 2,746 |
| Total..... | 992 | 864,017 | 20,629 | 672 | 603,705 | 15,473 |
| <i>Under what Flags.</i> | | | | | | |
| British..... | 700 | 672,806 | 16,440 | 489 | 475,779 | 12,727 |
| United States..... | 10 | 5,729 | 121 | 6 | 4,775 | 80 |
| French..... | 1 | 739 | 21 | 5 | 2,763 | 61 |
| Norwegian and Swedish..... | 245 | 164,899 | 3,568 | 169 | 109,911 | 2,412 |
| German Empire..... | 22 | 11,322 | 284 | 9 | 6,539 | 123 |
| Spanish..... | 1 | 610 | 13 | ..... | ..... | ..... |
| Portuguese..... | 5 | 1,497 | 55 | 2 | 1,689 | 33 |

| Whence Arrived. | | Portuguese | | Russian | | Danish | | Belgian | | Italian | | Total | |
|---------------------------|---------|------------|---------|---------|---------|--------|---------|---------|---------|---------|---------|-------|---------|
| No. | Tonnage | No. | Tonnage | No. | Tonnage | No. | Tonnage | No. | Tonnage | No. | Tonnage | No. | Tonnage |
| 4 | 1,238 | 45 | 1,509 | 23 | 1,509 | 3 | 1,904 | 43 | 2,249 | 38 | 15,473 | 672 | 603,705 |
| 3 | 1,881 | 53 | 2,249 | 38 | 2,249 | 3 | 2,928 | 54 | 3,940 | 211 | 14,626 | 30 | 3,940 |
| 3 | 2,928 | 56 | 1,505 | 34 | 1,505 | 1 | 1,093 | 19 | 788 | 44 | 211 | 8 | 788 |
| | | | | | | | 400 | 11 | 3,067 | 250 | 59 | 5 | 2,554 |
| | | | | | | | 864,017 | 20,629 | 672 | 603,705 | 15,473 | 672 | 603,705 |
| <i>For what Country.</i> | | | | | | | | | | | | | |
| United Kingdom..... | | 785 | 746,063 | 18,051 | 542,021 | 14,145 | 820,692 | 19,834 | 574,839 | 14,626 | 820,692 | 588 | 574,839 |
| Newfoundland..... | | 19 | 1,927 | 135 | 2,015 | 121 | 4,730 | 277 | 3,940 | 211 | 4,730 | 30 | 3,940 |
| St. Pierre et Miquelon... | | 3 | 337 | 18 | 608 | 30 | 337 | 18 | 788 | 44 | 337 | 8 | 788 |
| United States..... | | 8 | 7,220 | 145 | 2,473 | 57 | 4,945 | 107 | 3,067 | 250 | 4,945 | 21 | 3,067 |
| British West Indies..... | | 8 | 2,112 | 72 | 1,186 | 35 | 1,328 | 35 | 2,554 | 59 | 1,328 | 5 | 2,554 |
| France..... | | 38 | 26,702 | 567 | 15,226 | 335 | 3,712 | 113 | 1,898 | 44 | 3,712 | 3 | 1,898 |
| Spain..... | | 14 | 13,355 | 239 | 3,258 | 31 | 5,106 | 99 | 871 | 16 | 5,106 | 3 | 871 |
| Portugal..... | | 10 | 3,959 | 124 | 4,704 | 104 | 1,299 | 27 | 777 | 23 | 1,299 | 2 | 777 |
| Belgium..... | | 21 | 16,333 | 379 | 4,225 | 403 | 349 | 12 | 488 | 12 | 349 | 1 | 488 |
| Holland..... | | 11 | 7,146 | 161 | 18,202 | 403 | 379 | 21 | 459 | 12 | 379 | 1 | 459 |
| Norway and Sweden..... | | 47 | 32,201 | 704 | 7,867 | 112 | 5,691 | 130 | 1,639 | 45 | 5,691 | 5 | 1,639 |
| Barbadoes..... | | 3 | 1,682 | 37 | 6,731 | 139 | 310 | 8 | 228 | 9 | 310 | 1 | 228 |
| Italy..... | | 15 | 11,474 | 243 | 3,069 | 69 | 1,404 | 30 | 2,022 | 48 | 1,404 | 3 | 2,022 |
| Germany..... | | 1 | 377 | 10 | 3,069 | 69 | 2,861 | 53 | 4,623 | 86 | 2,861 | 4 | 4,623 |
| Africa..... | | 2 | 1,478 | 32 | 1,333 | 6 | 588 | 22 | 588 | 86 | 588 | 4 | 4,623 |
| Brazil..... | | | | | | | | | | | | | |
| Sicily..... | | | | | | | | | | | | | |
| Greece..... | | | | | | | | | | | | | |
| Egypt..... | | | | | | | | | | | | | |
| | | 982 | 872,100 | 20,919 | 616,523 | 15,892 | 864,017 | 20,629 | 603,705 | 15,473 | 864,017 | 672 | 603,705 |
| <i>Total</i> | | | | | | | | | | | | | |

N.B.—Flags.—Under the German Empire are included vessels of Prussia, Hamburg, Bremen, Mecklenberg, &c.

COMPARATIVE STATEMENT of Vessels entered Inwards and Outwards at the Port of Quebec, showing the Number of Vessels, Tonnage and Number of Men employed, distinguishing the Number of Vessels Entered and Cleared at Out-Ports, for the Years 1874, 1875, 1876, 1877 and 1878.

INWARDS.

| | 1874. | | | 1875. | | | 1876. | | | 1877. | | | 1878. | | |
|-----------------------------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| | Ves-sels. | Tons. | Men. | Ves-sels. | Tons. | Men. | Ves-sels. | Tons. | Men. | Ves-sels. | Tons. | Men. | Ves-sels. | Tons. | Men. |
| Port of Quebec..... | 959 | 798,370 | 22,284 | 775 | 552,627 | 17,661 | 920 | 795,531 | 20,428 | 938 | 876,872 | 20,135 | 605 | 580,612 | 15,050 |
| Out-Port of Chicoutimi..... | 45 | 26,538 | 642 | 34 | 17,292 | 442 | 29 | 16,081 | 399 | 27 | 17,945 | 400 | 32 | 22,620 | 485 |
| do Tadoussac..... | 7 | 3,170 | 87 | 5 | 2,021 | 57 | 3 | 1,238 | 37 | 5 | 3,215 | 72 | 7 | 2,737 | 77 |
| do Escoumains..... | 7 | 3,623 | 90 | 1 | 654 | 14 | 14 | 6,799 | 173 | 1 | 271 | 9 | 5 | 1,752 | 59 |
| do Sault-au-Coch'n..... | ..... | ..... | ..... | 6 | 3,272 | 78 | 4 | 2,061 | 50 | 8 | 4,441 | 105 | 8 | 3,745 | 102 |
| do Betsiamits..... | ..... | ..... | ..... | 3 | 1,449 | 39 | 6 | 2,886 | 77 | 13 | 9,406 | 198 | 8 | 5,027 | 119 |
| Grand Total for Quebec | 1,018 | 830,701 | 23,103 | 824 | 577,315 | 18,291 | 976 | 824,616 | 21,164 | 982 | 872,100 | 20,919 | 695 | 616,523 | 15,892 |

OUTWARDS.

| | | | | | | | | | | | | | | | |
|-----------------------------|-------|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|-----|---------|--------|
| Port of Quebec..... | 990 | 809,850 | 21,930 | 770 | 637,232 | 17,523 | 930 | 743,088 | 19,313 | 938 | 828,739 | 19,845 | 610 | 567,069 | 14,612 |
| Out-Port of Chicoutimi..... | 46 | 26,271 | 657 | 35 | 17,461 | 448 | 29 | 16,681 | 399 | 27 | 17,945 | 400 | 33 | 22,802 | 492 |
| do Tadoussac..... | 7 | 3,170 | 87 | 5 | 2,021 | 57 | 3 | 1,258 | 37 | 5 | 3,215 | 72 | 8 | 3,310 | 89 |
| do Escoumains..... | 7 | 3,623 | 90 | 1 | 654 | 14 | 14 | 6,799 | 173 | 1 | 271 | 9 | 5 | 1,752 | 59 |
| do Sault-au-Coch'n..... | ..... | ..... | ..... | 6 | 3,272 | 78 | 4 | 2,061 | 50 | 8 | 4,441 | 105 | 8 | 3,745 | 102 |
| do Betsiamits..... | ..... | ..... | ..... | 3 | 1,449 | 39 | 6 | 2,886 | 77 | 13 | 9,406 | 198 | 8 | 5,027 | 119 |
| Grand Total for Quebec | 1,050 | 842,944 | 22,764 | 820 | 662,029 | 18,161 | 986 | 772,173 | 20,049 | 992 | 864,017 | 20,629 | 672 | 603,705 | 15,473 |

APPENDIX No. 15.

REPORT ON THE OPERATIONS OF THE HARBOUR COMMISSIONERS
OF TORONTO, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER,
1878.

TORONTO HARBOUR.

Secretary of Harbour Trust in account with the Harbour Commissioners for 1878.

| DR. | | GENERAL BALANCE SHEET. | | CR. | | | |
|---------|---|------------------------|------|---------|--|--------|----|
| 1878. | | \$ | cts. | 1878. | \$ | cts. | |
| Dec. 31 | Wharf property, Lighthouse, &c..... | 68,041 | 21 | Dec. 31 | Suspense account..... | 536 | 00 |
| do 31 | Office furniture..... | 807 | 03 | do 31 | Balance to the credit of pro- fit and loss..... | 70,610 | 39 |
| do 31 | Toronto, Grey and Bruce Railway..... | 952 | 53 | | | | |
| do 31 | Life-boat..... | 486 | 80 | | | | |
| do 31 | Bank of Toronto..... | 786 | 77 | | | | |
| do 31 | Cash..... | 72 | 05 | | | | |
| | | 71,146 | 39 | | | 71,146 | 39 |

Having examined the Books, Accounts and Vouchers, and compared the Balance Sheet as above with the Books, we certify the same are correct, and represent a true statement of the affairs of the Trust to 31st December, 1878.

JOHN CARR,
Harbour Master.

E. G. HELLIWELL,
Deputy Harbour Master.

JAMES E. DAY, }
A. B. CAMPBELL, } *Auditors.*

JAMES G. WORTS, *Chairman,* }
GEORGE H. WYATT, } *Harbour Commissioners.*
JOHN CORNELL, }

TORONTO, 31st December, 1878.

STATEMENT IN DETAIL.

| 1878. | PROPERTY ACCOUNT. | \$ | cts. | \$ | cts. | \$ | cts. |
|----------|---|-------|------|--------|------|--------|------|
| Jan. 2 | Balance as per ledger, page 199 | | | 71,622 | 32 | | |
| | <i>Credit.</i> | | | | | | |
| Dec. 31 | Allowance for wear and tear, 5 per cent..... | | | 3,581 | 11 | 68,041 | 21 |
| | OFFICE FURNITURE. | | | | | | |
| Jan. 2 | Balance as per ledger, page 207 | | | 800 | 53 | | |
| Sept. 24 | R. Hay & Co., small desk..... | | | | 6 50 | 807 | 03 |
| | TORONTO, GREY AND BRUCE RAILWAY CO. | | | | | | |
| Jan. 2 | Balance as per ledger, page 209 | 952 | 53 | | | | |
| Dec. 31 | Year's rent of Queen's Wharf..... | 2,100 | 00 | 3,052 | 53 | | |
| | <i>Credit.</i> | | | | | | |
| do 31 | Payments made on behalf of rent | | | 2,100 | 00 | 952 | 53 |
| | LIFE-BOAT. | | | | | | |
| Jan. 2 | Balance as per ledger, page 223 | | | | | 486 | 80 |
| | INSURANCE ACCOUNT. | | | | | | |
| do 23 | Premium on Queen's Wharf storehouses..... | | | 52 | 50 | | |
| Dec. 24 | do Office furniture..... | | | | 8 50 | 61 | 00 |
| | PRINTING, STATIONERY AND STAMPS. | | | | | | |
| Mar. 27 | Clougher Bros.' account..... | | | 11 | 55 | | |
| Aug. 2 | Copp, Clark & Co.'s account..... | | | 13 | 50 | | |
| Nov. 27 | do do | | | 24 | 25 | | |
| Dec. 31 | Sundry items, as per petty cash | | | 30 | 88 | 60 | 18 |
| | INTEREST ACCOUNT. | | | | | | |
| do 31 | Charged by Bank upon overdrawn account for the year | | | | | 162 | 86 |
| | DREDGING ACCOUNT. | | | | | | |
| April 30 | Boat purchased..... | | | 19 | 00 | | |
| May 18 | Dredging Certificate No. 1 | | | 493 | 50 | | |
| do 31 | do do 2 | | | 603 | 75 | | |
| June 14 | do do 3 | | | 600 | 90 | | |
| do 29 | do do 4 | | | 566 | 10 | | |
| July 18, | do do 5 | | | 610 | 99 | | |
| do 29 | do do 6 | | | 567 | 67 | | |
| Aug. 13 | do do 7 | | | 676 | 35 | | |
| Sept. 2 | do do 8 | | | 822 | 15 | | |
| do 25 | do do 9 | | | 538 | 83 | | |
| Oct. 22 | do do 10..... | | | 712 | 77 | | |
| do 31 | Storage of boat | | | | 5 75 | 6,217 | 26 |
| | <i>Carried forward</i> | | | | | 76,808 | 87 |

STATEMENT IN DETAIL—Continued.

| | | \$ | cts. | \$ | cts. | \$ | cts. | |
|----------|--|-----|------|-------|------|--------|------|--|
| 1878. | | | | | | | | |
| | <i>Brought forward</i> | | | | | 76,808 | 87 | |
| | NEWSPAPERS AND ADVERTISING. | | | | | | | |
| Feb. 18 | <i>Daily Leader</i> , printing circulars..... | | | 12 | 00 | | | |
| Mar. 27 | <i>Globe</i> Printing Co., advertising..... | | | 7 | 00 | | | |
| June 29 | <i>Daily Leader</i> , advertising..... | | | 14 | 00 | | | |
| Aug. 31 | Sundry items, as per petty cash..... | | | 16 | 25 | | | |
| | | | | | | 49 | 25 | |
| | LIGHTS, BUOYS, &c. | | | | | | | |
| April 3 | Neil & Sons' account for repairs, buoys, &c..... | 114 | 40 | | | | | |
| May 31 | A. M. Browne's account for painting..... | 64 | 02 | | | | | |
| June 29 | Capt. Jackman's account for tug..... | 20 | 00 | | | | | |
| July 9 | W. H. Sparrow's account for oil, &c..... | 55 | 05 | | | | | |
| do | <i>Mail</i> Newspaper, advertising..... | 10 | 20 | | | | | |
| Aug. 2 | <i>Globe</i> do do..... | 9 | 50 | | | | | |
| Sept. 25 | A. M. Browne's account for painting..... | 26 | 40 | | | | | |
| Dec. 24 | do do..... | 1 | 80 | | | | | |
| do | W. H. Sparrow's account for repairs..... | 5 | 00 | | | | | |
| do | 31 Sundry items, as per petty cash..... | 168 | 57 | | | 474 | 94 | |
| | | | | | | | | |
| | <i>Credit.</i> | | | | | | | |
| Feb. 13 | A. Wilson, payment for spile carried away..... | | | 2 | 50 | | | |
| | | | | | | 472 | 44 | |
| | CHARGES ACCOUNT. | | | | | | | |
| Jan. 11 | Commissioners' fees for 1877..... | | | 196 | 00 | | | |
| do 11 | Auditors' fees for 1877..... | | | 50 | 00 | | | |
| | | | | | | 246 | 00 | |
| | SALARIES. | | | | | | | |
| Dec. 31 | John Carr, Harbour Master..... | | | 1,200 | 00 | | | |
| do 31 | E. G. Helliwell, Deputy Harbour Master..... | | | 800 | 00 | | | |
| do 31 | Capt. Taylor do..... | | | 600 | 00 | | | |
| | | | | | | 2,600 | 00 | |
| | OFFICE EXPENSES. | | | | | | | |
| Feb. 12 | John Leith, in full, for services as Night-watchman..... | 12 | 00 | | | | | |
| June 5 | John Kay's account..... | 41 | 01 | | | | | |
| Nov. 12 | G. R. Cockburn, rent of office..... | 360 | 00 | | | | | |
| Dec. 24 | A. M. Browne's account for glazing, &c..... | 5 | 50 | | | | | |
| do 31 | Sundry items, as per petty cash..... | 60 | 39 | | | 478 | 90 | |
| | | | | | | | | |
| | <i>Credit.</i> | | | | | | | |
| Sept. 24 | Amounts paid, refunded by Mr. Cockburn..... | | | 11 | 23 | | | |
| | | | | | | 467 | 67 | |
| | COAL, WOOD, WATER AND GAS. | | | | | | | |
| Jan. 11 | Gas account to 29th December..... | | | 11 | 00 | | | |
| Mar. 27 | P. Burns' account for coal..... | | | 11 | 50 | | | |
| July 9 | Water and gas rent..... | | | 7 | 67 | | | |
| Nov. 27 | Snarr's & Burns' accounts for coal..... | | | 28 | 00 | | | |
| Dec. 31 | Sundry items, as per petty cash..... | | | 47 | 65 | | | |
| | | | | | | 103 | 82 | |
| | | | | | | 80,748 | 05 | |

Cr.

PROFIT AND LOSS.

| 1878. | | 1878. | | 1878. | |
|------------|--------|-------|--|--------|------|
| | \$ | cts. | | \$ | cts. |
| May 3... | | | Balance as per ledger, page 274..... | 71,976 | 89 |
| Aug. 2... | 112 | 00 | Quarter's rent of Queen's Wharf, due by Toronto, | | |
| Nov. 30... | 22 | 45 | Grey & Bruce Railway..... | 525 | 00 |
| Dec. 10... | 9 | 82 | do do do..... | 525 | 00 |
| do 10... | 61 | 00 | do do do..... | 18 | 00 |
| do 31... | 3,581 | 11 | Proceeds from sale of stone, Queen's Wharf..... | | |
| do 31... | 61 | 00 | Quarter's rent of Queen's Wharf, due by Toronto, | 525 | 00 |
| do 31... | 80 | 18 | Grey & Bruce Railway..... | 525 | 00 |
| do 31... | 6,217 | 26 | do do do..... | | |
| do 31... | 162 | 86 | Harbour dues..... | 10,761 | 26 |
| do 31... | 472 | 44 | | | |
| do 31... | 246 | 00 | | | |
| do 31... | 49 | 25 | | | |
| do 31... | 2,600 | 00 | | | |
| do 31... | 467 | 67 | | | |
| do 31... | 103 | 82 | | | |
| do 31... | 70,610 | 39 | | | |
| | 84,856 | 25 | | | |

JOHN CARR,
Harbour Master.

E. G. HELLIWELL,
Deputy Harbour Master.

JAMES E. DAY, }
A. B. CAMPBELL, }
Auditors.

Audited and found correct.

Toronto, 31st December, 1878.

COMPARATIVE Statement.—Arriving by Steamers and Vessels for 1877 and 1878.

| Description. | | 1877. | 1878 |
|--|----------|---------|-----------|
| Merchandise and all unenumerated articles..... | tons. | 12,578 | 16,991 |
| Coal..... | " | 174,417 | 158,297 |
| Wood..... | cords. | 3,215 | 3,751 |
| Stone..... | toise. | 2,645 | 2,658 |
| Lime, plaster, &c..... | barrels. | 9,154 | 9,917 |
| Fish, tallow, oil, &c..... | " | 398 | 666 |
| Grain..... | bushels. | 108,249 | 245,742 |
| Salt..... | bags. | 1,800 | 3,153 |
| Lumber..... | feet. | 697,366 | 534,445 |
| Fire brick..... | per M. | 131,155 | 46,700 |
| Common brick..... | " | 475,000 | 236,800 |
| Potatoes and other vegetables..... | barrels. | 829 | 942 |
| Fruit..... | " | 5,375 | 7,558 |
| do..... | boxes. | 22,303 | 15,675 |
| do..... | baskets. | 51,604 | 24,991 |
| Horses, carts, &c..... | each. | 240 | 268 |
| Whiskey..... | barrels. | 17 | 17 |
| Moulding sand..... | tons. | 801 | 1,712 |
| Unwrought building stone..... | " | 1,808 | 4,477 |
| Porter, cider, &c..... | barrels. | 158 | 318 |
| Hay..... | tons. | 200 | 22 |
| Flour..... | barrels. | 2,900 | 593 |
| Salt..... | " | | |
| Laths and hoops..... | per M. | 346,000 | 1,325,000 |
| Sheep, pigs, &c..... | each. | | 390 |

COMPARATIVE Statement for the different kinds of Coal imported in the Years 1876, 1877 and 1878.

| Description. | 1876. | 1877. | 1878. |
|---------------------|---------|---------|---------|
| Hard coal..... | 97,654 | 100,072 | 85,571 |
| Soft coal..... | 54,394 | 72,598 | 72,726 |
| Blossburg coal..... | 271 | 1,747 | |
| | 152,319 | 174,417 | 158,297 |

To the Board of Harbour Commissioners, Toronto.

GENTLEMEN,—I would respectfully submit, for the information of the Board, this my Annual Report of the operations of the Harbour Trust for the past year, 1878, which I regret to state turned out to be one of considerable dulness in connection with the shipping interests, and consequently a falling off in Harbour Receipts.

Opening of Navigation, &c.—The opening of navigation took place on the 20th March, the harbour being quite clear of ice, and the closing of the same on the 18th December. On the 14th December the harbour was frozen over, but broke up again in three days.

Harbour Receipts.—the total receipts for harbour dues were \$10,761.36, being a falling off from the previous year of \$566.89. There was a falling off in almost all importations, with the exception of grain.

The total revenue for 1878 was \$12,995.89.

The total expenditure for 1878 was \$12,139.07.

The indebtedness of the Trust to the Bank of Toronto on the last annual meeting to the 31st December, 1877, was \$1,465.82. During the year there was deposited to the credit of the Trust, \$12,642.23; deducting the amount expended on harbour works, &c., &c., \$11,855.46, leaving a balance to the credit of the Trust on 31st December, 1878, of \$786.77.

Importations.—The total importation of coal during the past season was 158,297 tons, showing a falling off from previous year of 16,120 tons; 50,000 tons of the above were discharged on the Don Docks. The falling off in the importation of coal may be accounted for in the fact that a considerable quantity of coal was held over from the previous year.

Local Items.—The following is a statement of vessels frequenting our harbour during the season of 1878:—

| | |
|------------------------------|-------|
| Steamboats, loaded..... | 541 |
| “ light...—..... | 136 |
| Propellers, loaded..... | 230 |
| “ light..... | 65 |
| Sailing Vessels, loaded..... | 1,107 |
| “ light..... | 147 |
| Total..... | 2,226 |

Being a decrease from 1877, of 142 vessels. There was the usual number of tugs employed in towing vessels, rafts, &c., besides ferry boats running to the Island, the Humber, Victoria Park, &c.

Vessels Wintering in Harbour.—The number of vessels wintering in our harbour is 79, including steamboats, propellers, &c.; being 13 more than in 1877. There are 17 vessels moored in the Don Channel; 10 of these are very large vessels, laden with about 200,000 bushels of corn, brought down from Chicago, giving this channel quite a business-like appearance.

The total tonnage of vessels wintering in our harbour amounts to 16,450 tons, 3,987 tons increase over 1877.

State of Water.—The water in the harbour kept favourable during the season, averaging $15\frac{1}{2}$ inches above zero. The highest point registered was on the 14th December, being 25 inches above zero; the lowest point on the 5th January, 1878, being one inch below zero. The fluctuation during the latter part of the season up to 31st December was somewhat remarkable, showing as high as 25 inches above zero, being higher than on any occasion during 1878. In the West Channel proper, the water averaged 13 feet; the Don Channel, after dredging done, 10 feet 3 inches, except after the September floods, which left a considerable deposit, causing extra dredging therein. The Eastern Gap had 6 feet water during the greater part of the season.

I would take the opportunity, in connection with the waters of our harbour, to state that since the opening breach in the eastern part of the Island, which occurred in 1852, there are currents passing through the water from east to west and *vice versa*, according to the strength and direction of the wind, varying from 1 to 4 miles per hour. Also, that there are scarcely any weeds or rushes to be met with around the harbour or docks, there being a time when these nuisances were so great that a row boat could only with great difficulty be dragged out from the esplanade into clear water. The same may be said on approaching the north side of the Island, which has been of great benefit to our harbour, and a great blessing to the city from a sanitary point of view.

Storm Signal.—The storm signal was hoisted 22 times during the season, under the direction of Professor Kingston, of the Magnetic Observatory; also, the signal on Gibraltar Point following as soon as observed. These signals appear to work satisfactorily.

Lighthouse.—I would most respectfully once more renew the question of the great necessity of a change being made on the lighthouse on Gibraltar Point on the Island, to one of the latest improvement, the Board having before communicated a request for this improvement. As this is a matter of much importance to the shipping interests of Lake Ontario as well as to the City of Toronto, it is to be hoped that the Honourable the Minister of Marine and Fisheries will take this into his favorable consideration.

Buoys.—The buoys were placed out to mark the different channels on the opening of navigation, between the 2nd and 5th of April, as follows: Western Channel, April 2nd; Lighthouse Point, April 3rd; Don Channel, April 4th; and East Gap, April 5th; and were taken up at the Eastern Gap, November 18th; Lighthouse Point, December 4th; and Western Channel, December 18th. The buoys in the Don Channel froze in, and will be taken up through the ice. During the season there were two buoys carried away by the great flood on the 13th September. No new buoys will be required for the next season.

Lighthouse.—The lights on the Queen's Wharf Pier Lighthouse were lighted on the 20th March, and discontinued on the 23 December. I found it unnecessary to make the change in the white light last spring, until after the work on the channel is completed. Everything connected with the lighthouses appears to have given satisfaction. On the 27th November, while the "H. Folger" was being removed from this pier by the tug "Rob," her bowsprit got foul of the White Lighthouse, turning it completely over. I had Charles Robertson at once notified to replace the same, which was done the following day satisfactorily. I believe this was purely accidental.

Dredging.—The dredging operations by the Trust during the past season of 1878 were as follows: Mr. Pearce received a contract for dredging in the harbour; the quantity dredged was 37,889 yards, at a total cost of \$3,192.51. The principal work done was in the Don Channel, which had been considerably filled in during the previous winter, and afterwards by the great floods of 13th September, which latter caused extra dredging. The material dredged was dumped close to the breach in the Island.

Government Works.—The Government works on the West Channel were again continued in the spring by Messrs. Murray and Hunter, contractors, with the dredge "Goliath," under the direction of W. Kingsford, Esq., C. E., and superintended by Captain Paul. This work so far has been done well and carefully. The dredging done in the south-west entrance to the channel has greatly improved the same, so that during the season the buoys on that point were taken up and placed 240 feet back to the new ridge left after dredging, giving considerably more room to vessels entering and leaving the harbour. I have great pleasure in bearing testimony to the care and diligence displayed by Captain Paul in the management of this work. It is to be hoped that the Government will continue this work until it is finally completed.

Harbour Property.—The Queen's Wharf and Don Channel Breakwater, the property of the Trust, are in good condition. There are certain repairs required on the roadway, &c., to the Queen's Wharf; in wet weather it is almost impassable. It is my opinion that the only way in which this can be properly done is by a good tramway being constructed on one side of the roadway.

Island and Harbour.—The changes which have taken place on the Island and harbour during the past year have not been very remarkable, all things considered. The Eastern Gap opening on the Island was considerably widened during the year, a portion of the sand bank east being washed away; this may be partly accounted for by the fact of the water keeping from eight to fifteen inches higher than in 1877, consequently covering more of the sandbank out of sight.

Floods, &c.—On the 13th September last our harbour was visited by such a spectacle as I believe has never taken place in the recollection of the oldest inhabitants of Toronto. The heavy rains which continued for three days previously caused the flooding of the Don to a serious extent, carrying bridges and everything before it. On the 13th, the sight of the harbour was something fearful to look at, being completely covered with all description of timber, also scows, boat-houses, barrels of beer, oil, &c., &c., so that it was almost impossible for a steamboat to approach the docks; the appearance of the Don was alarming, owing to the rapidity with which the floating wreck passed through the stream. By the change of wind and current, the greater portion of material was carried out through the Eastern Gap. No injury was done to any of the trust or dock property as far as I am aware of, with the exception of the carrying away of the two buoys.

Main Sewer.—It is to be regretted that the Corporation did not proceed with the construction of the main sewer along Front Street, to carry off all other sewerage. I have no doubt that it will be necessary in the spring to again dredge out the different slips on account of the deposit from the city public sewers.

Accidents.—I feel much pleasure in again having to report that no accident occurred to any vessel in connection with our Harbor during the past season, 1878. Although there was considerable competition in the steamboat line the complaints were limited.

Life Boat.—The services of the Life-Boat were not required during the past year, although kept ready for any case of emergency. The boat-house was removed from the east side of the York Street slip to the west side, making it much more convenient when required.

Meetings of the Board.—There were twelve meetings of the Board during the past year; also, the Commissioners made two inspections of the harbour. On both occasions they were accompanied by the representatives of the city in the House of Commons, and other citizens who take an interest in the Harbor.

Monthly Reports.—There were other matters in my monthly reports to the Trust of a more local nature, which I consider unnecessary to repeat in my Annual Report.

In conclusion, I have much pleasure in stating that my two deputies have performed their respective duties satisfactorily during the past year—Mr. Helliwell, in connection with the Office, and Capt Taylor, in charge of the Queen's Wharf, Lights, Buoys, Beacons and Storm Signal.

Hoping the management of the Trust for the year will meet the approval of the Board of Harbour Commissioners of Toronto, and respectfully submitting the above report,

I have the honor to remain,

JOHN CARR,

Harbor Master.

HARBOR MASTER'S OFFICE,

January 1st, 1879.

TORONTO HARBOR WORKS.

TORONTO, January 10th, 1879.

Sir,—I have the honor to report on the dredging operations during the year.

In accordance with the agreement made with Mr. Pearse, the dredge commenced working at the Don Channel on the 2nd of May last, and operations were continued during the season until the 21st of October, the quantity dredged being 37,889 cubic yards. Three cuts, 66 feet in width, were made from the entrance to the eastern end of the crib work on the south side of the channel, and also on the south side of the Grand Trunk Railway Wharf. One cut, 22 feet in width, was made between the Grand Trunk Railway Wharf and Messrs. Gooderham & Worts' Wharf, on the north side of the Channel; the average depth of the water when the dredging was completed was 13 feet. This dredging was indispensable, owing to the great deposit in the channel opposite the Grand Trunk Railway Wharf, and also along the line of the channel to the entrance caused by the flood in the latter part of February, when the ice was broken up in the river. With a few exceptions, the traffic was uninterrupted during the season, the dredging having been commenced at an early period, so as to enable vessels to unload at the Grand Trunk Railway Wharf at the opening of navigation.

The second flood, which occurred on the 12th of September, deposited a large quantity of sand and gravel in the Don Channel between the Grand Trunk Railway Wharf and the entrance, and the dredge was engaged more than a month in removing this deposit. The principal obstruction caused by the flood was the formation of a bar on the outside of and opposite to the entrance of the channel, on which there was only 10 feet of water, though a channel with about six inches more water was found to the north of the straight line of entrance, but it is unreliable for ordinary traffic.

Several of the slips were examined and reported on as directed, and some of them will have to be dredged during the year, as the deposit from the city sewers is constantly increasing, and is a great inconvenience to the owners. The expense of dredging these slips cannot be avoided until the sewers are diverted from the Bay, as recently recommended by the City Engineer to the City Council.

I have the honor to remain,

Your obedient Servant,

KIVAS TULLY,

Engineer.

J. G. WORTS, ESQ.,

Chairman, Toronto Harbor Commissioners.

APPENDIX No. 16.

REPORT OF HARBOUR COMMISSIONERS OF PICTOU, N.S., FOR THE
CALENDAR YEAR ENDING 31st DECEMBER, 1878.

PICTOU, N.S., 6th January, 1879.

SIR,—The Commissioners of Pictou Harbour beg to submit the accompanying attested account of their receipts and expenditures for the year ending 31st Dec., 1878.

They also enclose the Harbour Master's Report.

Being short of funds the Commissioners have delayed the expenditure necessary to complete the Market Street Wharf until the coming spring.

The balance in the hands of the Treasurer, as will appear by the accounts, is seventy-one dollars and five cents.

We have the honor to be, Sir,
Your most obedient Servants,

R. P. GRANT,
J. A. GORDON,
JAMES D. MCGREGOR.

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

Account of Moneys Received and Expended by the Commissioners of Pictou Harbour, for the Year ended 31st December, 1878.

Dr.

| Moneys Received. | \$ cts. | Moneys Expended. | \$ cts. |
|---|----------|--|----------|
| Harbour Dues from Collector of Customs..... | 1,320 00 | To Paid Bank balance from last account..... | 1,065 14 |
| Wharfage from Public Wharf..... | 413 07 | do interest..... | 22 67 |
| do Market St. Wharf..... | 45 88 | Paid printing harbour regulations..... | 7 00 |
| | 458 95 | do repairing buoys, material and labour, putting out and taking in the same, and bushing channels..... | 30 82 |
| | | do labour and repairs on Public Wharf..... | 105 45 |
| | | do do Market St. Wharf..... | 30 35 |
| | | do do New Glasgow Wharf..... | 115 87 |
| | | Wharfinger's salary..... | 200 00 |
| | | Secretary's salary..... | 100 00 |
| | | Commission expending \$612, at 5 per cent..... | 30 60 |
| | | Balance in Commissioners' hands..... | 71 05 |
| | 1,778 95 | | 1,778 95 |

Sworn to at Pictou before me this sixth day of January, 1879.

A. J. PATTERSON, J.P. }
 R. P. GRANT, } Commissioners
 J. A. GORDON, } of
 JAS. D. MCGREGGOR, } Pictou Harbour.

Pictou, N.S., 31st December, 1878.

SIR,—I have the honour to report that the following vessels have entered the harbour of Pictou during the year ending this date :—

| Vessels. | Tons. |
|---------------------------|---------|
| 267 British Steamers..... | 33,134 |
| 6 do Ships..... | 5,833 |
| 25 do Barques..... | 13,170 |
| 6 do Barkentines..... | 2,092 |
| 3 do Brigs..... | 779 |
| 23 do Brigantines..... | 6,993 |
| 1,036 do Schooners..... | 48,547 |
| 1,366 | 110,548 |
| | Tons. |
| 32 Foreign Steamers..... | 27,397 |
| 18 Sailing Vessels..... | 2,377 |
| | 29,774 |
| 1,416 | 140,322 |

There are no fees collected, except the harbour dues paid into the hands of the Collector of Customs, out of which fund my salary of four hundred dollars as Harbour Master, and two hundred dollars for expenses of crew and boat are paid.

have the honour to be, Sir,

Your most obedient Servant,

JOHN GUNN,

Harbour Master.

Sworn before me at Pictou, this 2nd }
day of January, 1879. } R. P. GRANT, J.P.

To WM. SMITH, Esq.,

Deputy Minister of Marine and Fisheries.
Ottawa.

APPENDIX No. 17.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF BADDECK, N.S.,
FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

BADDECK, 15th January, 1879.

SIR,—I have the honour to enclose my annual report, with statement of vessels arriving at this port liable to pay harbour masters' fees. Many of the vessels arriving at this Port I collected nothing from, they having two receipts for previous payments. I have collected nearly double the amount of last year; the amount for this year being \$36, chiefly from foreign vessels arriving at this port for plaster.

I am happy to inform you that nothing has transpired during the year of which I have to complain. I have to state, with pleasure, that fees collected on vessels arriving at said port have been paid without any trouble by the captains of said vessels. I appointed a place for depositing ballast last year in this harbour, and this year I appointed another place, about two miles distant, at the plaster quarry at the head of Baddeck Bay.

I am sorry to inform you that the wood of the buoys we put down on the 12th June were so badly worm eaten that they would not bear taking up. I engaged a man near there, Duncan Ferguson, for \$12 a year, being the lowest offer I could get, to take them up in the fall and put them down in the spring, he being with me when I put them down, and they being about ten miles from me I could not attend them myself; he being a seafaring man I felt satisfied he quite understood the work. The fall being so open and vessels passing to and from Whycomah, it seemed necessary to leave them till late: so on account of not hearing from him sooner, I am late sending my report.

I think I can get the chains and rock either when ice comes, or in the spring; and when I see D. Ferguson, I can send you further particulars.

I have the honour to be, Sir,

Your most obedient servant,

STEPHEN ATWATER,

Harbour Master.

W. M. SMITH, Esq.,

Deputy Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 18.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF BRIDGE-
WATER, N.S., FOR THE CALENDAR YEAR 1878.

To the Honourable
Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to submit my annual report, being that for the year ending 31st December, 1878.

I am sorry to find a falling-off in the larger class of vessels, which no doubt is caused by the depressed state of business.

I am happy to say nothing has transpired during the season to which I have to call your attention.

Below please find copy of the receipts and expenditure for the year.

I am, Sir,
Your obedient servant,

JOS. R. WYMAN.

| Rig. | Number of Vessels. | Register Tonnage. | Fees Collected. |
|-------------------------------------|--------------------|-------------------|-----------------|
| | | | \$ cts. |
| Schooners | 126 | 8,169 | 34 00 |
| Brigantines | 25 | 5,474 | 28 50 |
| Brigs | 2 | 424 | 3 50 |
| Barques | 5 | 2,684 | 16 00 |
| | | | 82 00 |
| To paid an assistant | | | 8 00 |
| Amount reverting to Harbour Master; | | | 74 00 |

Sworn to before me at Bridgewater, the 9th day of January, 1879,

J. WHITEFORD, J. P.

 APPENDIX No. 19.

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF HALIFAX,
 N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

HARBOUR MASTER'S OFFICE,

HALIFAX, N.S., 2nd January, 1879.

SIR,—I have the honour to submit my report for the year ending 31st December, 1878.

Nothing of importance has transpired during the year, to which I have to call your attention, everything in connection with the duties of my office having worked smoothly and harmoniously.

I am very happy to be able to inform you that Halifax as the winter mail port for the Dominion has, thus far, proved to be a great success, and I do not anticipate that any obstruction, in the shape of ice, will be met with to mar its prosperity in the future. It is with much pleasure that I have seen the large quantities of merchandise landed here to be forwarded by rail to the Upper Provinces, and I hope the day is not far distant when the produce of the west will be brought to Halifax for shipment to Europe, at least during that portion of the year in which the navigation of the St. Lawrence is closed.

Enclosed will be found a statement of the receipts and expenditure for the year

I have the honour to be, Sir,

Your obedient Servant,

ELIJAH WOOD,

Harbour Master.

Wm. SMITH, Esq.,

Deputy Minister of Marine and Fisheries,
 Ottawa.

RECEIPTS and Expenditure of the Harbour Master, from 1st January to 31st December, 1878.

| Rig. | Number. | Register Tonnage. | Fees Collected |
|--|---------|-------------------|----------------|
| | | | \$ cts |
| RECEIPTS. | | | |
| Steamers..... | 64 | 93,376 | 303 50 |
| Ships..... | 3 | 2,700 | 15 00 |
| Barques..... | 56 | 30,569 | 198 50 |
| Barquentines..... | 3 | 820 | 6 00 |
| Brigs..... | 5 | 1,209 | 9 50 |
| Brigantines..... | 117 | 18,640 | 180 50 |
| Schooners..... | 767 | 43,863 | 609 50 |
| Total Receipts | | | 1,322 50 |
| EXPENDITURE. | | | |
| | | \$ cts. | |
| Paid for man and boats to board vessels..... | | 152 00 | |
| Stationery | | 15 00 | |
| Office expenses, &c..... | | 160 00 | |
| | | | 327 00 |
| Amount reverting to Harbour Master..... | | | 995 50 |

ELIJAH WOOD,

Harbour Master.

Sworn to before me, at Halifax, this second day of January, 1879,

DAVID HUNTER, J.P. for County of Halifax.

APPENDIX No. 20.

REPORT ON THE HARBOUR MASTER FOR THE PORT OF JORDAN BAY,
COUNTY OF SHELburnE, NOVA SCOTIA, FOR THE YEAR ENDED
31st DECEMBER, 1878.

SIR,—I have the honour to submit my second report as Harbour Master for the Port of Jordan Bay for the year ended 31st December, 1878.

I have to state, with pleasure, that the fees collected on vessels arriving at said port, or leaving the same, have been paid willingly by the masters or owners of said vessels; and I met with no difficulty in the execution of my duty in the collection of said fees. The number of vessels that arrived during the year was 44, but the most had paid their fees before arriving at this port, as the greater number are coasters.

The amount received by me was \$24.50.

I remain, Sir,

Your most obedient servant,

MATTHEW D. McKENZIE,

Harbour Master.

Sworn to, at Shelburne, before me, this 4th of January, 1879.

W. T. KELLY, J.P.

APPENDIX No. 21.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF LIVERPOOL,
N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

LIVERPOOL, N.S., 2nd January, 1879.

SIR,—Herewith I forward the returns of vessels from which harbour dues have been collected during the year ended 31st December, 1878.

Owing to the recent appointments of harbour masters to other ports, and the loss of some and the sale of others of our own shipping, the fees have not amounted to as much as in a similar period heretofore.

A lighthouse has been erected lately on the breakwater at Brooklyn, in which a white light to the southward and a green one to the westward are exhibited. Ship-masters have informed me that when approaching from the southward the lights of vessels anchored in the harbour inside the breakwater, together with those on the shore, render it difficult to distinguish that on the breakwater from others until the green light becomes visible, which does not before the vessel is abreast of it. If a green light was shown all around, no mistake could occur. I spoke to Captain Harvey Doan, of the steamship "Edgar Stuart," who visits this port twice a week, on this matter, and he told me he had some difficulty from the cause named above. Since the new lantern and powerful reflectors have been placed in the lighthouse on Coffin's Island, the light is considered second to none on our coast. On the morning of the 11th ult., during a very heavy south-easterly gale, with a high sea, the bark "Linda Abbott," at anchor near the breakwater, parted both her chains, and was driven on shore and became a total wreck. This accident I do not attribute to any fault of the harbour of Brooklyn. In the same gale the spar buoy off Fort Point parted from the mooring and went adrift. I am preparing to replace this, as well as the one taken away by the ice last winter from the Barrel Rock.

Please find enclosed a rough pen sketch of our harbour.

I am, Sir,

Your most obedient servant,

W. A. KENNY,

Harbour Master.

APPENDIX No. 22.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF LUNENBURG,
N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

LUNENBURG, 1st January, 1879.

SIR,—I have the honour to enclose my annual report, with statements of vessels arriving at this port, liable to pay harbour-master fees. Many of the vessels arriving at this port I collect nothing from, they having two receipts for previous payments. The heavy storm on the first part of November last parted chain of Sculpin Shoal can buoy, and drifted it ashore on Battery Beach. Nothing damaged; the anchor is still on shoal. I intend trying to get it next summer when it is calm weather. The can buoys are all taken up and put away for the winter, and spar buoys put down in their place.

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

WILLIAM BEGG,
Harbour Master.

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

APPENDIX No. 23.

REPORT OF THE HARBOUR MASTER FOR PORT HOOD, N.S., FOR THE
CALENDAR YEAR ENDED 31st DECEMBER, 1878.

PORT HOOD, 9th January, 1879.

SIR,—I have the honor to submit my annual report for the year ended 31st December, 1878.

Early in April I had all the buoys painted and repaired.

The colour of the buoys on Smith's Spit or Shoal was changed in colour from black to red, by order of Mr. Roache, the Inspector, so as to suit the entrance through the north channel.

I also received a new anchor for Judique, which answers the purpose better than to moor it in the Bight from two flow anchors.

I had the buoys placed as soon as the drift ice would permit. I also had them taken up and secured between the 14th and 26th of November.

I also beg leave to state that the buoys are in good condition and repair, with the exception of one chain, which is something the worse for ware.

The fees collected by me during the year are very small in proportion to the number of vessels which frequent this port, such fees having been collected on or before passing through the Strait of Canso.

Your obedient servant,

JOHN H. MURPHY,

Harbour Master.

To Hon. J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

Sworn to before me this 10th day of January, 1879,

ALEX. McDONALD, J.P.

APPENDIX No. 24.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF PUGWASH,
N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

PUGWASH, 29th December, 1878.

SIR,—I have the honour to submit to you my first annual report for the year ending 31st December, 1878.

On the examination of the buoys, the 1st of April last, I found them to be casks of thirty-five and forty gallons each, which were quite sufficient for inside use, but very much too small for bar buoy. At the entrance to the harbour I also found them quite decayed, and in some cases very leaky. By instruction from the Inspector, I procured two casks, 120 gallons each, got them ironed, bound and painted, and attached to stone kedges of 700 pounds each, and placed them at the entrance to the harbour, one on each side of the channel, on the bars which are almost opposite. I also got a new set of stone kedges for the small casks, of about 500 pounds each, the former being too light, and were frequently dragged from their moorings in heavy storms during the season. There is from twenty to twenty-three fathoms of suitable chain attached to each buoy, and made fast to the stone kedges by ring bolts passing through the stone.

I was also instructed to place on Fisherman's Reeve east side of entrance to the harbour, a spar buoy, thirty-four feet long, and one same length one and a-half miles north-west from said Fisherman's Reeve, on a shoal or bank which frequently brings up loaded ships leaving the port. These spars are made fast to stone kedges of 1,400 pounds each, and placed in three and a-half and four fathoms of water at low tide; all of which have been painted according to instructions, and put down in their proper places, and given good satisfaction to all shipping coming to this port.

There has been quite a number of schooners in this port during the shipping season, but you will see by my return that dues have been collected from very few, they having generally paid twice before arriving here.

A small scow or lighter is very much required for placing and lifting the buoy. It is a difficult matter to obtain one here when it is required. Please give this matter your due consideration.

I am, Sir, your obedient servant,

A. A. STEVENS,
Harbour Master.

To Hon. J. C. POPE,
Minister of Marine and Fisheries.

Sworn to before me, at Pugwash, County of Cumberland, the 29th day of December, 1878.

LEVI BORDEN, J.P.

 APPENDIX No. 25.

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF McNAIR'S
 COVE, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

COUNTY OF ANTIGONISH, McNAIR'S COVE,

January 9th, 1879.

SIR,—I have the honour to submit my annual report as Harbour Master for the year ending 31st December, 1878. I have to state that the trade of this port is greatly on the increase; it is one of the best fishing stations on the coast. Fourteen vessels have entered this port during the year, paying harbour fees to the amount of nine dollars. I would recommend repairs on the wharf as soon as possible—some of the fenders have gone off, and the outer south-west corner has settled down about three feet since the last repairs. I am very glad to inform you that I have been enabled to perform my duty as Harbour Master without any interruption.

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

RONALD McEACHERN,

Harbour Master.

To the Honourable
 Minister of Marine and Fisheries,
 Ottawa.

Sworn to at Cape George the 9th day of January, 1879, before me,

 LAUHLIN McISAAC, J. P.

APPENDIX No. 26.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF RIVER JOHN,
N. S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

RIVER JOHN, January 2nd, 1879.

SIR,—I am in receipt of a printed circular of the 12th ult., calling my attention to the 3rd section of the Act for the appointment of Harbour Masters. I now beg to hand you my report in duplicate; the fees collected only amount to the sum of two dollars. Although there has been a number of arrivals this season, it has happened that nearly all of them were exempt from harbour dues, having previously paid them in two other ports. Owing to the depression in business there has not been as many arrivals during the past season as formerly. Last summer I applied for buoys for the harbour; you replied they would be furnished when the harbour was dredged. I hope it will be convenient to supply them next spring. It is expected there will be a large quantity of barytes shipped from here next season, and a larger class of vessels than heretofore will frequent the place, making it necessary for the safe and easy navigation of the port that buoys be furnished.

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

WILLIAM LAUDER,
Harbour Master.

WILLIAM SMITH, Esq.
Deputy Minister of Marine,
Ottawa.

 APPENDIX No. 27.

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF TUSKET, N.S.,
 FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

TUSKET, YARMOUTH COUNTY, 31st December, 1878.

SIR,—I have the honour to submit my annual report, being that for the year ended 31st December, 1878. The number of vessels entering our port were three, with a tonnage of 300; fees collected, \$3.

You will see my fees are very small, owing to most of the vessels having paid their dues elsewhere.

We build from two to six ships here every year, which ballast and have the use of the buoys in going out of the river, but refuse to pay harbour dues on account of their not being rigged; they are towed to Yarmouth Town and rigged there. Please inform me if I can collect fees from such vessels.

The buoys are left down as usual, and no doubt many of them will be carried away by the ice and others displaced, but the way they are put down, with big stone, and having no boat of my own, it would cost more to take them up than they are worth, as we could only work on slack tide, and then only in fine weather; consequently, hire of boat and labour would make it quite expensive.

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

NORMAN HATFIELD,
Harbour Master.

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

Sworn before me at Tuskent, the 4th January, 1879.

ENOS. GARDNER, J. P.

APPENDIX No. 28.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF YARMOUTH,
N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

YARMOUTH, N.S., January, 1879.

SIR,—I have the honour to submit to you my report for the calendar year ending 31st December, 1878.

I am glad to report the largest amount ever collected at Yarmouth as harbour dues, namely \$384,50. As you will see by the enclosed account there is a balance over the expenditure of \$41.77. If allowed to retain this amount to buy piles with this winter, I have no hesitation to say the harbour can be made self-supporting from this out.

During my absence from home last March, one of the buoys had to be replaced through decay; there being no funds on hand at that time, the deputy harbour master got the work done and drew the exact amount from Halifax. In my report or account I have made no other mention of it.

During the coming spring there are six bunches of piles that will require to be renewed; it takes three piles for each bunch of thirty feet in length, the buoys are now in fair order, with one exception.

I have collected harbour dues from 404 vessels of all classes; whole amount of tonnage, 37,791; besides this, about one-third of the vessels coming here have paid elsewhere.

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

EBEN. SCOTT,
Harbour Master.

The Honourable J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

 APPENDIX No. 29.

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF CHATHAM,
 N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

CHATHAM, 2nd January, 1879.

SIR,—I have the honour to inform you that, for the year ended 31st December, 1878, the trade of this port has decreased, as fees to amount of \$655.50 having only been collected against \$779.50 for 1877.

Statement of dues collected for Port of Chatham for year ending 31st December, 1878:—

| | | |
|--|----------|----------|
| Amount of dues collected per return..... | | \$655 50 |
| do salary..... | \$300 00 | |
| Paid advertising buoys..... | 3 50 | |
| do William Gordon, per voucher | 1 50 | |
| Deposited at Bank of Montreal to credit of Receiver-General, per receipt..... | 350 50 | |
| | <hr/> | \$655 50 |

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

JOHN BROWN,
Harbour Master.

The Honourable
 The Minister of Marine and Fisheries,
 Ottawa.

APPENDIX No. 30.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF HILLSBORO',
N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

HILLSBORO', 1st January, 1879.

SIR,—Agreeably to your request, I have much pleasure in forwarding my returns for the year 1878. I have no complaints to make of any violation of the law this year. You will find by the returns the amount collected this year is much less than last, owing to the shipping of this port arriving much later in the season, and, of course, paying their harbour-master fees in other ports before arriving in Hillsboro'.

I am, Sir,
Your obedient servant,

NEHEMIAH BENNETT,
Harbour Master.

WM. SMITH, Esq.,
Deputy Minister Marine and Fisheries,
Ottawa.

APPENDIX No. 31.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF MUSQUASH,
N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

PORT OF MUSQUASH, 28th December, 1878.

SIR,—I beg leave to submit the following report of the vessels that have arrived at this port since my last statement.

Nothing worthy of your attention has transpired during the year about to close, but it may interest you to learn that the "Spar Buoys" are in good condition, and will probably not receive damage from ice this winter, as it had little, if any, effect on them during last winter.

Owing to the limited number of square-rigged vessels that enter this port, and owing to the fact that vessels are only compelled to pay dues twice in each year, the fees are consequently small and, as you will observe, not at all remunerative, inasmuch as the amount received is quite out of proportion to the service performed.

I am happy to inform you that the duties of my office have been discharged without my having met with interruption or unpleasantness.

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

SAMUEL HAYWARD,
Harbour Master.

To WM. SMITH, Esq.,

Deputy-Minister of Marine and Fisheries,
Ottawa.

RECEIPTS of the Harbour Master from date of last Statement.

| No. | Rig. | Register Tonnage. | Fees Collected. |
|-----|------------------|-------------------|-----------------|
| | | | \$ cts. |
| 1 | Ship..... | 994 | 5 00 |
| 7 | Barques..... | 5,973 | 33 00 |
| 2 | Brigantines..... | 331 | 3 00 |
| 40 | Schooners..... | 2,511 | 29 50 |
| 50 | Total..... | 9,809 | 70 50 |

SAMUEL HAYWARD,
Harbour Master

Sworn before me at the Town of Portland, N.B., this 28th day of December,
A.D., 1878.

THOS. DALE, J.P.

APPENDIX No. 32.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF SHEDIAC, N.B.
FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

SHEDIAC, 31st December, 1878.

SIR,—I have the honour to enclose my annual report for the year ending 31st December, 1878.

One of the greatest difficulties in my duties was the necessity of having a good ballast wharf, but it is now overcome by the excellent wharf built during the past summer, which is a great improvement to the port. I have also to inform you of the necessity of repairs to be made on Pointe du Chêne wharf which is fast filling up the end of the wharf and dock, and if neglected will need constant dredging, and for the benefit of the port next year will need to be dredged early next summer. You will observe that the dues on coasters and steamers was not collected by me on all, owing to the captains producing two receipts of having paid dues at other ports. The amount of dues collected by me was two hundred and one dollars and fifty cents (\$201.50).

RECEIPTS and Expenditure of Harbour Master from 1st Jan. to 31st Dec., 1878.

| No. | Rig. | Register Tonnage. | Fees Collected. | |
|-----|-------------------|----------------------|--------------------|------|
| | | | \$ | cts. |
| 188 | Steamers | 115,435 | 20 | 50 |
| 185 | Schooners | 8,092 | 26 | 00 |
| 35 | Barques | 17,078 | 113 | 50 |
| 16 | Brigantines | 3,649 | 23 | 50 |
| 3 | Brigs | 768 | 6 | 00 |
| 2 | Ships | 1,081 | 6 | 50 |
| 2 | Barkentines | 776 | 5 | 50 |
| 431 | Total | 146,879 | 201 | 50 |

| | | | |
|---|-------|----|--------|
| By paid Stationery | \$2 | 00 | |
| do Freight on Chains for buoys | 0 | 75 | |
| | | | \$2 75 |
| Balance reverting to Harbour Master | \$198 | 75 | |

A. McQUEEN,
Harbour Master.

The Hon. JAMES POPE,
Minister of Marine and Fisheries,
Ottawa.

Westmoreland County to wit:—

Personally appeared before me, the undersigned, a Justice of the Peace in and for the County of Westmoreland, Alexander McQueen, Harbour Master for the Port of Shediac, and maketh oath that the above report and returns are correct.

W. B. DEACON, J.P.

SHEDIAC, 31st December, 1878.

P.S.—The filling up of the channel at the end of the wharf, and in the dock is caused by the facing of the wharf being in such a dilapidated condition that the ballast is all running out of the wharf into the water.

A. McQUEEN.

APPENDIX No. 33.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF TRACADIE,
N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

TRACADIE, N.B.; 31st December, 1878.

Sir,—I have the honour to submit my annual report as Harbour Master for the Port of Tracadie, N.B., for the year ended this date.

Two spar-buoys have been lost at the South Gully late in the season, which have not been replaced; the two others have been lifted up and stored for the winter.

Three spar-buoys have also been lost at the Big Gully, and one cask-buoy carried away, which has been raised and replaced; the three spar-buoys have been replaced by new ones.

It is very difficult to keep the buoys at this gully at their proper place, owing to the number of rafts of logs and deals which are coming in and going out of the harbour.

The amount of fees collected at this port for the year 1878, as stated in the enclosed, is five dollars.

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

VITAL ARCENO,
Harbour Master.

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

I, Vital Arceno, of Tracadie, N.B., farmer, do make oath and say that all the statements set forth in the above and foregoing report are true.

VITAL ARCENO.

Sworn to, before me, at Tracadie, N.B., this 31st day of December, 1878.

WM. DAVIDSON, J.P.

APPENDIX No. 34.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF BAY FORTUNE,
P.E.I., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

BAY FORTUNE, P.E.I., 16th January, 1878.

SIR,—I have the honour to submit my annual report for the year ended 31st December, 1878.

The buoys placed by me last spring in channel were damaged and shifted from their position by storm. There was a lot of sunken logs and ballast around wharf which was removed, which is a material benefit to the harbour; and next year I intend to remove others from channel.

The number of vessels arrived at this port during the current year was 17 which loaded.

I have not received any harbour dues as all vessels arriving had previously paid at other ports.

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

JOHN R. COFFIN,
Harbour Master.

Hon. J. C. POPE,
Minister of Marine and Fisheries.

APPENDIX No. 35.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF CHARLOTTE-TOWN, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

HARBOUR MASTER'S OFFICE,
CHARLOTTETOWN, P.E.I., 2nd January, 1879.

Sir,—In submitting herewith a summary showing receipts, &c., of this office for the year ending 31st December, 1878, I beg most respectfully to also state for the information of your Department, that:—

1st. The navigation of the harbour opened about the middle of April, and closed on the 23rd December, 1878.

2nd. The harbour buoys were placed in position on the 11th and 12th of May, and kept up in an efficient state until a vessel or steamer ran foul of the black buoy on or about the 24th November, and damaged same to cause it to sink, thereby rendering its removal necessary, which was accordingly done, and a spar-buoy put in its place. The buoys were taken up on the 30th November and 2nd December, and replaced by spar buoys—an improvement which captains and pilots of mail steamers, entering into and out from the harbour, have much appreciated.

3rd. The barque "L. D. V. Chipman," Capt. Archibald, loaded with cargo of railway iron, went ashore on Battery Point while entering the harbour on 25th October last, but after having portion of cargo discharged, was got off without sustaining much damage.

4th. Admiral Inglefield, of Her Majesty's flag-ship "Bellerophon," accompanied with two other war ships, the "Argus" and "Sirius," visited this harbour on 23rd September last when on a cruise from Halifax to Quebec.

5th. In closing this report, I would again respectfully call the attention of the Department to the remains of the barque "Emigrant" as becoming every year more dangerous to vessels entering and leaving this harbour.

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

DAVID SMALL,
Harbour Master.

The Hon. J. C. POPE,
Minister of Marine and Fisheries Department,
Ottawa.

STATEMENT of Harbour Masters' Fees paid, for which vessels entering the Port of Charlottetown were liable under the provisions of the Dominion Acts of Parliament, for the appointment of Harbour Masters at certain Ports, from the 31st December, 1877, to 31st December, 1878.

| Rig. | Province of P. E. Island. | | Province of Nova Scotia. | | Province of New Brunswick. | | Province of Quebec. | | Province of Newfourdland. | | Great Britain and Ireland. | | United States. | | Total. | |
|--------------------|---------------------------|-----------------|--------------------------|-----------------|----------------------------|-----------------|---------------------|-----------------|---------------------------|-----------------|----------------------------|-----------------|---------------------|-----------------|---------------------|-----------------|
| | Registered Tonnage. | Fees Collected. | Registered Tonnage. | Fees Collected. | Registered Tonnage. | Fees Collected. | Registered Tonnage. | Fees Collected. | Registered Tonnage. | Fees Collected. | Registered Tonnage. | Fees Collected. | Registered Tonnage. | Fees Collected. | Registered Tonnage. | Fees Collected. |
| Schooners..... | 3,534 | \$ 52 00 | 2,500 | \$ 35 00 | 1,012 | \$ 15 00 | 955 | \$ 12 50 | 599 | \$ 8 50 | | | 2,186 | \$ 26 50 | 10,786 | \$ 149 50 |
| Brigantines.. | 4,344 | 33 50 | 179 | 1 50 | | | | | | | | | | | 4,523 | 35 00 |
| Brigs..... | 3,458 | 24 50 | 221 | 2 00 | | | | | | | | | | | 3,679 | 26 50 |
| Barkentines... | 1,832 | 12 00 | | | | | | | | | | | 394 | 2 50 | 2,226 | 14 50 |
| Barques..... | 1,273 | 9 00 | | | | | | | | | | | | | 1,273 | 9 00 |
| Ships..... | 1,796 | 14 00 | | | | | | | | | | | | | 1,796 | 14 00 |
| Steamships.... | 1,505 | 11 00 | 166 | 1 50 | | | 1,514 | 11 00 | | | | | 1,744 | 10 00 | 4,929 | 33 50 |
| Totals..... | 17,742 | 166 00 | 3,066 | 40 00 | 1,012 | 15 00 | 2,469 | 23 50 | 599 | 8 50 | | | 4,824 | 39 00 | 29,212 | 282 00 |

DAVID SMALL,
Harbour Master.

Sworn to as correct before me this 2nd day of January, 1879.

E. S. LYDIARD, J.P.

APPENDIX No. 36.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF CARDIGAN RIVER, P.E.I., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

CARDIGAN RIVER, P.E.I., 18th January, 1879.

SIR,—I have the honor to report that since my appointment to the office of Harbour Master for the port of Cardigan River, on the 12th July, 1878. The following vessels liable to pay harbour dues up to the 31st December, 1878, viz :

| | | | |
|--------------------------------------|-----|--------|-------|
| Schooner Clytie, Gloucester, Tonnage | 72 | \$1 00 | Fees. |
| “ Concord, “ | 99 | 1 00 | “ |
| “ O. M. Marrett “ | 164 | 1 50 | “ |
| Total..... | 335 | \$3 50 | |

Of the above-mentioned vessels arriving at this port liable to pay harbour-masters' fees, many of them have paid no fees to me, having two receipts for previous payments.

I hope that this year will show a much greater collection of fees than the past.

I am happy to inform you that nothing has transpired during the past year of which to complain. The navigation is now closed some time with ice, and shipping over for the present season.

I have the honor to be, Sir,
Your most obedient servant,

HERCULES McDONALD,

Harbour Master.

Personally appeared before me this eleventh day of February, A.D., 1879, Hercules McDonald, of Cardigan, (Harbor Master,) who maketh oath and saith that the within statement of fees collected for harbour dues are correct.

Sworn to before me at Georgetown, }
this 11th day of February, 1879, } WILLIAM WIGHTMAN, J.P.

I hereby certify that the within statement is correct.

HERCULES McDONALD,

Harbour Master.

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

APPENDIX No. 37.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF CRAPAUD,
P.E.I., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

HARBOUR MASTER'S OFFICE,
CRAPAUD, P.E.I., 31st December, 1878.

SIR,—I beg to transmit my annual report for the year ended 31st December, 1878.

I placed the buoys in their proper places in the spring, as early as was practical, carefully attended them; also had seven new spar-buoys made in the spring and carefully placed along the channel leading from the basin to the wharves; lifted them in the month of November, and landed them safely.

I have again to report the great necessity there is for a bell buoy on that very dangerous reef called Tyron Shoals. On the night of the 26th July, 1878, the schooner "Marie Prudentine," 62 tons, belonging to Quebec, Elie Roy, master and owner, went ashore on the above-mentioned shoal; the schooner was new and strong, that being the first voyage; the crew saved their lives by taking to the boat, but had a very serious time of it. The schooner was a total wreck; was coal laden; the wreck and cargo was sold for about seventy dollars; this was a very serious loss to Captain Roy, it being his little all. The schooner "Kathleen," of St. John, N.B., 144 tons, Brown, master, went ashore also on the same reef; she being of light draft and in small ballast, beat over the bar and came to anchor in the basin, receiving little or no injury.

I also again beg the privilege of asking for range lights, they are very much needed for this harbour. As it is, our very obliging Collector of Customs, Mr. Solomon J. B. Leard, lives in one of the houses that has been used for years by pilots and captains as a land-mark or beacon for entering the harbour in the day-time by the captains belonging to the port, and sailing out of here. When away, if at all possible, they telegraph the Collector, and he keeps a light in the window of his house, which makes a very good range light.

The pilots also, when they are bringing vessels in after night, make the same use of the Collector's house; he has done this ever since he came into office, and we believe without any remuneration. I would to suggest that the Department thank him for his very great kindness to ship-owners and sea-faring men, if nothing more.

I also send you an account of all vessels that have paid their harbour fees at this port this season.

Hoping that before another annual report will be sent to your honourable Department, we will be blest with the very few, but very important and long-looked-for and much-needed improvements.

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

WESLEY MYERS,
Harbour Master.

To the Honourable J. C. POPE,
Minister of Marine and Fisheries, &c.,
Ottawa.

Sworn before me this 31st December, 1878.

JOHN J. COGHLAN, J.P.
276

 APPENDIX No. 38.

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF GEORGETOWN,
 P.E.I., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

GEORGETOWN, P.E.I., 21st January, 1879.

SIR,—I have the honour to submit my report, with a list of the vessels paying harbour dues at the port of Georgetown, for the year ending 31st December, 1878.

I fitted up the buoys for the harbour on the opening of navigation last spring, and had them properly placed. They were taken up about the 24th of December. The harbour remaining open for a considerable time after the above date, and vessels entering and departing, I placed, by the order of Mr. Mitchell, three spar buoys in the place of those taken up, two at the entrance of the harbour and one at the Thrum-cap Shoal.

The buoys on the Knoll Shoal and Thrum Shoal I consider insufficient, being only kerosene casks, and should be replaced by two can-buoys of much larger dimensions.

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

JOHN HAGGART.

Harbour Master.

To WILLIAM SMITH, Esq.,
 Deputy-Minister of Marine and Fisheries,
 Ottawa.

VESSELS entering the port of Georgetown, P.E.I., which paid harbour dues for the year ending 31st December, 1878.

| Rig. | Number. | Tonnage. | Fees Collected. |
|-------------------|---------|----------|-----------------|
| Barques | 3 | 1,306 | \$8 50 |
| Barquentines..... | 1 | 438 | 3 00 |
| Brigantines..... | 9 | 1,993 | 16 00 |
| Schooners..... | 128 | 8,476 | 110 50 |
| | 141 | 12,213 | \$138 00 |

I declare that the foregoing, with the account, is just and true to the best of my knowledge and belief.

JOHN HAGGART.

Sworn and declared before me at Georgetown, in King's County, P. E. Island, this 21st day of January, 1879.

A. C. STEWART, J.P.

 APPENDIX No. 39.

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF NEW LONDON,
 P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

NEW LONDON, 2nd January, 1879.

SIR,—I have the honour to submit my annual report for the year ending 31st December, 1878.

The harbour breakwater is in good order and stands well; the water is good across the bar, and still improving. The buoys were taken up in good order; the boat-moorings are all taken up. I do not think the boat-moorings injure the channels in the harbour, although some parties think they do. When I find any injury to the channels in the harbour caused by boat-moorings, I will inform the Department of it. The reason fees are so small captains coming here have receipts. My fees were eight dollars this year.

I have the honour to be, Sir,

Your most obedient servant,

GEORGE MCKENZIE,

Harbour Master.

Sworn before me, this 3rd day of January, A.D 1879, at French River Queens County, P.E.I.

J. W. PRIDGON, J.P.

 APPENDIX No. 40.

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF NORTH
 PINETTE, P.E.I., FOR THE CALENDAR YEAR ENDED 31st DECEMBER,
 1878.

NORTH PINETTE, P.E.I., 31st December, 1878.

SIR,—I beg to transmit my annual report for the year ended 31st December, 1878. There were four buoys placed in the harbour and on the bar by me as soon as the ice cleared away in the spring. All went on well till November, when the schr. "A. C. Magor," Capt. Dauphnee, ran down two that were placed in the channel inside of the bar. The captain put to sea, bound for New York with a cargo of potatoes. He having no pilot on board, I could get no satisfaction from anyone. I had to place two more buoys out to enable the vessels that were loading to go out. I have also to call your attention to the fact that out of one hundred and seventeen (117) vessels that entered this harbour, I could collect only two dollars and fifty cents this season. I lifted the buoys on the 1st December. I attended to the duties of my office to the best of my knowledge.

I am, Sir,

Your most obedient servant,

NIEL McLEOD,

Harbour Master.

Sworn before me, at Pinette, this 7th day of January, 1879.

 ALEX. WILLIAMS, J.P.

APPENDIX No. 41.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF ROLLO BAY,
P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

KALLO BAY, P.E.I., 8th January, 1879.

SIR,—I have the honour to submit my annual report for Rollo Bay Harbour for year 1878.

There were three new buoys placed by me last spring, the old ones being unfit.

There were only three vessels arrived here during year, but a number of small fishing vessels occasionally arrived for shelter, &c.

I have not received any fees from vessels arrived at this port, having previously paid at other ports.

I have the honour to remain

Your obedient servant,

CHARLES DEAGLE,

Harbour Master.

APPENDIX No. 42.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF SOURIS, P.E.I.,
FOR THE CALFNDR YEAR ENDED 31ST DECEMBER, 1878.

SOURIS, P.E.I.

SIR,—I have the honour to submit my annual report as Harbour Master for the Port of Souris for the year ended 31st December, 1878.

Owing to a portion of breakwater being carried away by storm in December, 1877, it was expedient to place a buoy at end of damaged portion. Immediately on the opening of the navigation, I placed a buoy at outer end breakwater, and also a buoy on a rock laying on inside breakwater, distant about 250 yards and having only about seven feet water at ebb-tide, and very dangerous to vessels arriving, particularly with an in-shore wind.

There were a larger number of vessels arrived at this port this year than former years for shelter owing to the breakwater, and there would have been a greater number had breakwater not been damaged.

The number of coasting vessels entered at this port during year was about 160.

The number of vessels arrived liable to pay harbour dues are according to the list forwarded.

There were during year about 200 American fishing vessels anchored for shelter, but refused to pay harbour dues (with the exception of a few).

I experienced a good deal of trouble in collecting harbour dues, and also with masters of vessels in not complying with the harbour regulations. All vessels that had ballast to discharge were ordered to discharge at the sea side of the breakwater.

I would suggest that a light of some description should be placed at the end of the breakwater or on the point, as this port is difficult to make, particularly in a dark night.

S. H. McDONALD,

Harbour Master.

To the Honourable
Minister of Marine and Fisheries,
Ottawa.

 APPENDIX No. 43.

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF SUMMERSIDE,
 P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

HARBOUR MASTER'S OFFICE,

January 8th, 1879.

SIR,—I beg leave to submit a report of fees collected by me at Summerside, P.E.I., for the year ending 31st of December, 1878. No. of vessels 39, tonnage 4,361, fees \$44.50.

I have the honour to remain, Sir,
 Your most obedient servant,

RONALD CAMPBELL,

Harbour Master.

To the Minister of Marine and Fisheries
 of Canada.

I, Ronald Campbell, do solemnly swear that the statement above written is true according to its purport. So help me God.

RONALD CAMPBELL.

Sworn before me at Summerside this 11th day of January, 1879.

H. C. GREEN, J.P.,

 For the County of Prince, P.E.I.

APPENDIX No. 44.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF TRACADIE,
P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

TRACADIE, P.E.I., January 6, 1879.

SIR,—I have the honour to submit to you my annual report for Tracadie Harbour for the year ending the 31st day of December, 1878.

That the buoys were placed by me in their respective positions in the spring. Sometime after the prevailing winds from the north drove the ice in and took the buoys up the bay, and I replaced them.

And the outer buoy broke loose in the gale of the 22nd of August, I also replaced it.

I received one dollar and fifty cents for harbour fees through the entire summer.

I took up the buoys and stored them up at the close of navigation.

I have the honour to remain, Sir,

Your most obedient servant,

HUGH CAMPBELL,

Harbour Master.

I, Hugh Campbell, do swear that the foregoing statements are correct.

Sworn to before me this 6th day of January, in the year of Our Lord one thousand eight hundred and seventy-nine.

JOHN ANGUS McDONALD, J.P.

P.S.—The total amount of fees collected for the year was \$1.50.

APPENDIX No. 45.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF EGMONT BAY,
P.E.I., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

EGMONT BAY, 31st December, 1878.

SIR,—I beg to transmit my annual report for the year ended 31st December, 1878. That the buoys were properly placed and kept in place, and carefully attended to the entire season.

There were no vessels came in this summer that had to pay dues, as they had previously paid in other ports of the Island.

One of the buoys was carried away late in the month of November by a furious storm. I have had the remainder landed and in safe keeping for the winter.

I consider that the cask buoys are far superior to the spars. There ought to be one of them placed in the next spring.

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

ALEXANDER McARTHUR,
Harbour Master.

WILLIAM SMITH, Esq.,
Deputy-Minister of Marine and Fisheries,
Ottawa.

Sworn before me this 6th day of January, A.D. 1879.

WM. HENRY HOPGOOD, J.P.

APPENDIX No. 46.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF GASPÉ, FOR
THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

GASPÉ, 12th December, 1878.

HONOURABLE SIR,—The season of navigation having now closed at this port, I beg to forward you herewith a statement of the vessels entered at this office during this season, and which have paid harbour masters' dues; there being eight steamers, one barque, one barquentine, four brigs, twelve brigantines, twenty topsail sea-going schooners, and eighty-four fore-and-aft schooners, in all 130 vessels of all classes; amount of fees, \$131.50; being nine vessels more than in 1877, and increase of fees of \$19.

The trade of the port has increased in consequence of more sea-going vessels this year carrying cargoes of dry codfish to the Brazil, Mediterranean, Jersey and West India ports. The lightship on Sandy Beach Point was taken up on the 23rd November, and the buoys on the 2nd December. The last vessel left port on the 9th inst., for Jersey. A large number of American fishing vessels visited our harbour this season, but in consequence of having been at other ports in the Gulf did not pay harbour dues; also several vessels from the Maritime Provinces had paid theirs also before arriving here.

There have been three wrecks on the coast this season: The topsail schooner "Aura," at Little Point St. Peters; the schooners "Mermaid and "Pilot," the former at Magdelin River, and the other at Green Point, entrance to Mal Bay. A petition asking for the erection of a lighthouse on Flat Island, near Point St. Peters, is now being signed by all the leading firms and inhabitants along the coast. I would strongly recommend the erection of the same, as the island is so very low it cannot be seen at any distance from it, and would be a guide for vessels entering either Mal Bay or Gaspé Bay in thick weather. I beg to enclose also the list of buoys and beacons for the year 1878, with my remarks on same.

I beg to remain, Honourable Sir,
Your obedient servant,

JOSEPH EDEN,
Harbour Master.

The Hon. J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 47.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF MATANE, FOR
THE CADENDAR YEAR ENDED 31ST DECEMBER, 1878.

MATANE, COUNTY OF RIMOUSKI, 2nd December. 1878.

SIR,—I have the honour to submit my annual report ended 31st December, 1878; also a list of vessels paying harbour fees.

During last summer I was furnished by the Department at Quebec with a large size buoy and two spar-buoys which have done good service, having saved a vessel from running ashore in foggy weather just a few days after placing them.

It will be necessary to have a flat bottom boat or a scow made this winter to enable me to put down and replace the buoys next spring. It is almost impossible to hire a suitable boat here for that purpose.

A good number of vessels, merely calling at the harbour for orders; I have not exacted fees from them, as they will have to pay at their loading places.

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

E. LACROIX.

Harbour Master.

To WM. SMITH, Esq.,

Deputy Minister of Marine and Fisheries
Ottawa.

APPENDIX No. 48.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF PASPEBIAC,
FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

PORT OF PASPEBIAC, 30th December, 1878.

SIR,—I have the honour to submit my annual report, being that for the year ending the 31st December, 1878.

Nothing of importance has transpired during the year to which I have to call your attention, except the placing of a ballast buoy at the Port of Paspebiac, which is much required at said port.

Annexed please find a copy of the receipts and expenditures of the Port of Paspebiac, for the year ending 31st December, 1878.

I have the honour to be, Sir,

Your obedient servant,

HUGH CHRISTIE,

Harbour Master

To the Honourable,
Minister of Marine and Fisheries,
Ottawa.

RECEIPTS and Expenditure for the year ending the 31st December, 1878.

| No. | | Registered Tonnage. | Fees Received. |
|-----|--|------------------------|-------------------|
| 3 | Barques | 1,024 | 9 00 |
| 9 | Brigs | 2,072 | 16 00 |
| 12 | Brigantines | 1,672 | 12 00 |
| 11 | Schooners | 956 | 8 50 |
| | Total Receipts..... | | 45 50 |
| | By paid putting out and Raisin Point buoy... \$10 00 | | |
| | By boat hire for season | 4 00 | |
| | | | 14 00 |
| | Balance in favour of Harbour Master..... | | 31 50 |

HUGH CHRISTIE,

Harbour Master.

Sworn before me at New Carlisle this 30th day of December, 1878.

G. LE BEL, J.P.

APPENDIX No. 49.

(*Translation.*)

REPORT OF THE HARBOUR MASTER FOR THE PORT OF THREE RIVERS.
FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

THREE RIVERS, 13th January, 1879.

SIR,—I have the honour to submit herewith my annual report. As you will observe, my report still records a decrease in the receipts, which I attribute to the commercial depression not only here but in England.

The ocean vessels have not visited our port this year as in former years, in consequence of the small demand there has been for lumber.

I am happy to be able to state that no accident has happened within the limits of the port, nor any loss of life.

I have, &c.,

U. F. LANGLOIS,

Harbour Master.

 APPENDIX No. 50.

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF CHETICAMP,
 C.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

HARBOUR MASTER'S OFFICE,

CHETICAMP, C.B., 31st December, 1878.

SIR,—I have to submit my annual report, being that for the year ending 31st December, 1878.

April 8th, bought from Mr. Doucet twelve cedar buoys, and I had them painted according to law, and also they were duly placed in the spring in their proper places, and kept in good order until the 25th December; and you will find also a copy of receipts and expenditures of the office for the year.

I beg to enclose statement of vessels entering this port, and also the fees collected by me. Many of them have paid none to me, having two receipts for previous payments; and the fees that I collected are very small, \$16.50.

I have also attended to the duties of my office according to the Act and instructions furnished to me.

I beg to state it is almost impossible to make this harbour without light. It is in a very bad condition for vessels to come through it in a dark night.

I require two beacon lights, they can be placed straight in the channel, two good lamps with a reflector per lamp. The beacons can be built here. I again recommend chains and flat anchors. I consider chains would be less cost to the Department, and less trouble for me; I trust the Department will give this special attention.

I have the honor to be, Sir,

Your obedient servant,

F. AU COIN,

Harbour Master.

Sworn to before me at Cheticamp, the 31st day of December, 1878.

M. A. ROSS, J.P

WM. SMITH, Esq.,

Deputy-Minister of Marine and Fisheries.

APPENDIX No. 51.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF VICTORIA, B.C.,
FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

VICTORIA, B.C., 2nd January, 1879.

SIR,—I have the honour to inform you that the undermentioned vessels loaded at the Ports of Victoria and Esquimalt during the year 1878:—

| | | | |
|--------------------|-----------|------------------|--------------------|
| "Lady Sampson," | 412 tons, | Captain Marston, | for San Francisco. |
| "Brierly Hill," | 520 " | " Baird, | for London. |
| "Princess Royal," | 613 " | " Anderson, | " |
| "Chocorua," | 1,200 " | " Matthews, | " |
| "Lady Head," | 450 " | " Barfield, | " |
| "Hazelhurst," | 700 " | " Goudie, | for Hong-Kong. |
| "Bothwell Castle," | 592 " | " Heath, | for Sydney, N.S.W. |

The cargoes consisted of oil, salmon, furs, coal and lumber; and the vessels were not loaded up to their load lines.

All English vessels that arrive here have invariably their deck and load lines marked on their sides.

No vessels were loaded wholly or partially with grain.

I have the honour to be, Sir,

Your most obedient servant,

J. W. NAGLE,

Harbour Master.

To WILLIAM SMITH, Esq.,

Deputy Minister of Marine and Fisheries,
Ottawa.

STATEMENT of the Receipts and Expenditure connected with the Office of Harbour Master for the Ports of Victoria and Esquimalt, from 31st December, 1877, to 31st December, 1878.

| | | | \$ | cts. | \$ | cts. |
|-----------|----------|---|----|------|----|--------|
| January | 31..... | To amount of Fees received to date..... | 46 | 00 | | |
| February | 28..... | do do | 17 | 00 | | |
| March | 31..... | do do | 24 | 00 | | |
| April | 30..... | do do | 16 | 00 | | |
| May | 31..... | do do | 15 | 00 | | |
| June | 30 | do do | 31 | 50 | | |
| July | 31..... | do do | 23 | 00 | | |
| August | 31..... | do do | 20 | 00 | | |
| September | 30..... | do do | 29 | 00 | | |
| October | 31..... | do do | 24 | 00 | | |
| November | 30..... | do do | 26 | 50 | | |
| December | 31..... | do do | 14 | 00 | | |
| | | | | | | 296 00 |

J. W. NAGLE,

Harbour Master.

January 2nd, 1879.

I hereby solemnly swear that the above account is correct to the best of my knowledge.

J. W. NAGLE.

Sworn to in my presence, this 2nd of January, 1879.

A. J. LANGLEY, J. P.

APPENDIX No. 52.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF GODERICH FOR
THE CALENDER YEAR ENDED 31st DECEMBER, 1878.

GODERICH, January 2nd, 1879.

SIR,—I have the honour to enclose for your information my annual report of fees collected during the season and year ending the 31st December, 1878.

I beg to report that the water on the bar formed at the entrance to the harbour is still getting less, and will require dredging as early as possible in the spring.

I also beg to report that there is now about eight million feet of lumber on the breakwater; about two millions of which are piled on the elevated portion. There are twenty vessels laid up here, four of which are American bottoms. Navigation closed on the 12th of December.

I have the honor to be,

Your obedient servant,

T. N. DANCEY,

Harbour Master.

APPENDIX No. 53.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF SOUTHAMPTON,
FOR THE CALENDER YEAR ENDED 31st DECEMBER, 1878.

SOUTHAMPTON, December 31st, 1878.

SIR,—I have the honour to submit my annual report for the year ended December 31st, 1878.

The enclosed list of vessels were not all that came to this port. Many of them had to run in for shelter during adverse winds. Having no boat, I could not board them. Many of the vessels arriving I collected nothing from having receipts for previous payments, others refusing to pay. I have considerable repairs to make next spring, and will require all the fees that can be collected. Part of the walling of the breakwater washed off and came ashore this fall. I collected all I could find of it, and will have it replaced next spring. Also, some of the iron straps on the corner of the landing pier will have to be replaced. I would also call your attention to the fact that the landing pier will very soon become useless, owing to the sand filling in round on the south side. At present there is not water sufficient to float a small size schooner. You will kindly send me a copy of the harbour rules in force for this port, not having received any, as I am at a loss to know what course to take to recover damage done to piers by vessels through carelessness. As a case in point, the schooner *Sarah Jane* came to outside of breakwater, making its chains fast to the pier, considerable of the walling and plank was torn off and broke. Damage to the amount of eight dollars. Demanding payment, I was refused, but finally received two dollars, which, with my own labour, helped to repair the damage. Also, I would like to call your attention to the insufficiency of the red light on end of the breakwater. Many of the captains complain that they cannot see it until close to it.

I have the honour to be,
Your obedient servant,

D. CASCADEN,
Harbour Master.

I hereby certify that David Cascaden, Harbour Master for the Port of Southampton, whose signature is appended to the foregoing report, appeared before me and made oath that the said report, to the best of his knowledge and belief is correct.

Sworn to before me this sixteenth day of December, A.D. 1878.

T. ADAIR, J. P.

To the Honorable
Minister of Marine, &c.,
Ottawa.

APPENDIX No. 54.

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., chap. 12 and 63, the dates of the appointment of Harbour Masters, the amount which each of their salaries is not to exceed, the amount of fees collected by each of them during the calendar year ended 31st December, 1878, and the overplus, if any, paid into the credit of the Receiver-General.

PROVINCE OF ONTARIO.

| Name of Port. | Date of Proclamation. | Name of Harbour Master. | Date of Appointment. | Amount from the fees of office salary not to exceed. | Amount collected in 1878. | Amount paid over to Receiver-General. |
|------------------|-----------------------|-------------------------|----------------------|--|---------------------------|---------------------------------------|
| | | | | \$ cts. | \$ cts. | \$ cts. |
| Collingwood..... | 3 Mar., 1877. | Andrew Lockerbie..... | 3 Mar., 1877.. | 200 00 | 207 50 | 7 50 |
| Goderich..... | 28 April, 1876. | Thomas Dancey..... | 22 April, 1876.. | 300 00 | 265 50 | ..... |
| Penetanguishene | 2 Feb., 1877.. | Louis Columbus | 2 Feb., 1877.. | 200 00 | 12 00 | ..... |
| Rondeau | 4 May, 1878.. | Thos. Harrison | 4 May, 1878.. | 100 00 | 102 00 | 2 00 |
| Southampton | 23 Sept., 1875.. | David Cascaden..... | 13 Sept., 1875.. | 100 00 | 24 50 | ..... |

PROVINCE OF QUEBEC.

| | | | | | | |
|-------------------|-----------------------------------|-----------------------------|------------------|--------|--------|--------|
| Gaspé | 25 Sept., 1874 | Joseph Eden | 22 Sept., 1874.. | 500 00 | 131 50 | ..... |
| Mataue | 19 Oct., 1877.. | Edward Lacroix | 19 Oct., 1877.. | 200 00 | 19 50 | ..... |
| Metis..... | 7 Feb., 1878.. | P. F. Leggat | 7 Feb., 1878.. | 200 00 | 41 00 | ..... |
| Paspebiac | 12 May, 1877.. | Hugh Christie | 22 May, 1877.. | 150 00 | 45 50 | ..... |
| Rimouski | 5 Mar., 1877.. | Jos. St. Laurent..... | 30 May, 1878.. | 200 00 | Nil. | ..... |
| St. Johns | } Within the harbour of Montreal. | Julien Napoleon Bourassa... | 21 July, 1876.. | 400 00 | 659 50 | ..... |
| Sorel..... | | Pierre Bellefeuille | 20 April 1875.. | 300 00 | 462 00 | 162 00 |
| Three Rivers..... | | Uldoric Frederick Langlois. | 14 June, 1875. | 300 00 | 267 00 | ..... |

PROVINCE OF NEW BRUNSWICK.

| | | | | | | |
|------------------|----------------|----------------------|------------------|--------|-------|-------|
| Bathurst..... | 30 May, 1873.. | Peter J. Hachey..... | 12 Dec., 1874.. | 200 00 | 73 50 | ..... |
| Bay Verte | 30 May, 1873.. | No appointment..... | ..... | ..... | ..... | ..... |
| Buctouche..... | 30 May, 1873.. | John Keswick | 20 April, 1876.. | 100 00 | 29 00 | ..... |
| Campbelltown ... | 30 May, 1873.. | William Mott..... | 9 July, 1873.. | 200 00 | 0 50 | ..... |

TABLE showing the names of Ports proclaimed under the Dominion Acts,
&c.—Continued.

PROVINCE OF NEW BRUNSWICK—Concluded.

| Name of Port. | Date of Proclamation. | Name of Harbour Master. | Date of Appointment. | Amount from the fees of office salary not to exceed. | | Amount collected in 1878. | | Amount paid over to Receiver-General. | |
|------------------------|-----------------------|----------------------------|----------------------|--|-------|---------------------------|-------|---------------------------------------|-------|
| | | | | \$ | cts. | \$ | cts. | \$ | cts. |
| Campobello..... | 30 May, 1876. | John Benjamin Beatty | 7 July, 1873.. | 100 | 00 | 18 | 00 | ..... | ..... |
| Caraquet..... | 30 May, 1873.. | Gervais Basil Paulin..... | 30 April, 1874.. | 150 | 00 | 34 | 50 | ..... | ..... |
| Chatham..... | 30 May, 1873.. | John Brown | 7 July, 1873.. | 300 | 00 | 655 | 50 | 355 | 50 |
| Cocagne..... | 30 May, 1873.. | John Brooks | 7 July, 1873.. | 100 | 00 | 18 | 50 | ..... | ..... |
| Dalhousie | 30 May, 1873.. | Joseph W. Cullen..... | 2 Sept., 1878.. | 200 | 00 | 27 | 50 | ..... | ..... |
| Dorchester..... | 30 May, 1873.. | Joshua King | 9 July, 1875.. | 200 | 00 | 51 | 00 | ..... | ..... |
| Fredericton | 30 May, 1873.. | No appointment..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand Manan..... | 18 Sept., 1876. | James A. Pettis | 18 Sept., 1876.. | 100 | 00 | No return. |  | ..... | ..... |
| Great Shemogue | 17 May, 1875.. | John Avarde..... | 10 May, 1875.. | 100 | 00 | Nil. | ..... | ..... | ..... |
| Harvey..... | 30 May, 1873.. | Joseph McAlmon | 10 April, 1875.. | 100 | 00 | 14 | 50 | ..... | ..... |
| Hillsborough..... | 30 May, 1873.. | Nehemiah Bennett | 30 April, 1874.. | 150 | 00 | 32 | 00 | ..... | ..... |
| Ledge of St. Stephens. | 30 May, 1873.. | Charles Young | 22 April, 1876.. | 100 | 00 | 16 | 00 | ..... | ..... |
| Moncton..... | 30 May, 1873.. | No appointment..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Musquash | 26 Mar., 1874.. | Samuel Hayward | 26 Mar., 1874.. | 100 | 00 | 70 | 50 | ..... | ..... |
| Newcastle..... | 30 May, 1873.. | John Niven | 7 July, 1873.. | 300 | 00 | 156 | 50 | ..... | ..... |
| North Joggins... | 30 May, 1873.. | No appointment..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Port Elgin..... | 6 Feb., 1878.. | Jacob Silliker..... | 6 Feb., 1878.. | 200 | 00 | 15 | 50 | ..... | ..... |
| Richibucto..... | 30 May, 1873.. | James Alexander Jardine... | 11 May, 1874.. | 200 | 00 | 160 | 00 | ..... | ..... |
| Rockland | 30 May, 1873.. | No appointment..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Sackville..... | 30 May, 1873.. | No appointment..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| St. Andrews..... | 30 May, 1873.. | John Balson..... | 7 July, 1873.. | 100 | 00 | 36 | 00 | ..... | ..... |
| St. George..... | 30 May, 1873.. | James Dick..... | 7 July, 1873.. | 100 | 00 | 34 | 50 | ..... | ..... |
| St. Martins..... | 14 May, 1874.. | Joseph Carson | 14 May, 1874.. | 100 | 00 | 1 | 00 | ..... | ..... |
| Shediac | 30 May, 1873.. | Alexander McQueen..... | 19 May, 1876.. | 300 | 00 | 201 | 50 | ..... | ..... |
| Shippegan..... | 30 May, 1873.. | Peter DeGrace..... | 1 June, 1876.. | 100 | 00 | 3 | 00 | ..... | ..... |
| Tracadie..... | 17 May, 1875.. | Vital Arceno..... | 9 July, 1875.. | 100 | 00 | 5 | 00 | ..... | ..... |

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—Continued.

PROVINCE OF NOVA SCOTIA.

| Name of Port. | Date of Proclamation. | Name of Harbour Master. | Date of Appointment. | Amount from the fees of office salary not to exceed. | Amount collected in 1878. | Amount paid over to Receiver-General. |
|---|----------------------------------|--------------------------------|----------------------|--|---------------------------|---------------------------------------|
| | | | | \$ cts. | \$ cts. | \$ cts. |
| Annapolis | 12 Mar., 1875. | Jacob Troop Starratt..... | 25 Feb., 1875.. | 200 00 | 57 50 | ..... |
| Baddeck. | 23 Sept., 1875. | Stephen Atwater..... | 15 Sept., 1875.. | 100 00 | 36 00 | ..... |
| Bear River..... | 25 Sept., 1874.. | William Fenwick Hennigar. | 22 Sept., 1874. | 100 00 | 38 00 | ..... |
| Bridgewater | 6 May, 1874. | Joseph Robins Wyman..... | 6 May, 1874.. | 100 00 | 74 00 | ..... |
| Bras d'Or, including New Campbelltown | 6 May, 1874.. | Francis Dunlap..... | 6 May, 1874.. | 200 00 | 2 50 | ..... |
| Cape Canso..... | 6 June, 1876.. | William Walsh..... | 6 June, 1876.. | 100 00 | 43 50 | ..... |
| Cheticamp. | 20 April, 1876.. | Fulgence Aucoin | 15 April, 1876.. | 100 00 | 16 50 | ..... |
| Clementsport..... | 1 May, 1877.. | Thomas Tracey..... | 1 May, 1877.. | 150 00 | 13 00 | ..... |
| Digby..... | 19 Feb., 1878.. | James A. Hughes | 19 Feb., 1878.. | 300 00 | 15 00 | ..... |
| Getson's Cove... | 12 Mar., 1875.. | George Henry Zwicker..... | 25 Feb., 1875.. | 300 00 | 63 50 | ..... |
| Halifax..... | No proclamation required by Act. | Elijah Wood | 7 Oct., 1872.. | 1600 00 | 1322 50 | ..... |
| Indian Bay..... | 25 Oct., 1876.. | Matthew Drips McKenzie.... | 25 Oct., 1876.. | 150 00 | 24 50 | ..... |
| Little Glace Bay | 3 Aug., 1874.. | Henry Mitchell..... | 23 July, 1874.. | 200 00 | Nil. | ..... |
| Liverpool..... | 19 Jan., 1877.. | Wm. A Kenney..... | 19 Jan., 1877.. | 200 00 | 171 50 | ..... |
| Lunenburg | 3 Dec., 1875.. | William Henry Begg..... | 3 Dec., 1875.. | 150 00 | 83 50 | ..... |
| McNair's Cove... | 12 Mar., 1875.. | Ronald McEachen | 8 Mar., 1875.. | 150 00 | 9 00 | ..... |
| Margaretville.... | 26 Mar., 1878.. | Robert Early | 26 Mar., 1878.. | 100 00 | 20 00 | ..... |
| Margaret's Bay... | 16 July, 1875.. | Peter Francis Boutillier. | 9 July, 1875.. | 100 00 | 33 00 | ..... |
| Merigomish..... | 26 Mar., 1878.. | W. C. Olding..... | 26 Mar., 1878.. | 100 00 | 2 50 | ..... |
| Neil's Harbour.. | 28 April, 1876. | Angus Buchanan..... | 11 April, 1876.. | 100 00 | No return. | ..... |
| North Sydney.... | 9 April, 1874.. | George Bennett Ingraham... | 9 April, 1874.. | 500 00 | 495 50 | ..... |
| Nortwest Cove, Coleman's Cove and Aspotogan Harbour. | 29 Dec., 1876.. | William Murphy..... | 29 Dec., 1876.. | 200 00 | 2 00 | ..... |
| Parrsborough.... | 22 Oct., 1873.. | Edward Walter Beaty..... | 22 Oct., 1873.. | 100 00 | 34 00 | ..... |
| Pictou..... | No proclamation required by Act. | John Gunn..... | 14 Aug., 1875.. | 400 00 | 1320 00 | ..... |

TABLE showing the names of Ports proclaimed under the Dominion Acts,
&c.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

| Name of Port. | Date of Proclamation. | Name of Harbour Master. | Date of Appointment. | Amount from the fees of office salary not to exceed. | Amount collected in 1878. | Amount paid over to Receiver-General. |
|------------------|-----------------------|-------------------------|----------------------|--|---------------------------|---------------------------------------|
| | | | | \$ cts. | \$ cts. | \$ cts. |
| Plaster Harbour. | 6 May, 1874. | Donald Fraser..... | 6 May, 1874. | 200 00 | 2 50 | ..... |
| Port George..... | 1 May, 1877. | Chas. H. Weaver..... | 1 May, 1877. | 150 00 | 6 50 | ..... |
| Pt. Hawkesbury. | 16 July, 1875. | Daniel Henesey..... | 9 July, 1875. | 200 00 | 145 25 | ..... |
| Port Hood..... | 16 July, 1875. | John Murphy. jun..... | 9 July, 1875. | 200 00 | 2 50 | ..... |
| Port Mulgrave... | 8 Mar., 1876. | Angus H. McDonald..... | 23 Mar., 1876. | 200 00 | 235 00 | 35 00 |
| Pugwash..... | 22 Oct., 1873. | A. A. Stevens..... | 22 Oct., 1873. | 100 00 | 57 00 | ..... |
| River John..... | 26 Mar., 1878. | William Lauder..... | 26 Mar., 1878. | 100 00 | 2 00 | ..... |
| Sheet Harbour... | 14 May, 1874. | William Hall..... | 14 May, 1874. | 150 00 | 18 00 | ..... |
| Shelburne..... | 27 Aug., 1877. | James Muir..... | 27 Aug., 1877. | 200 00 | 27 00 | ..... |
| Tatamagouche... | 27 Feb., 1878. | Jas. W. Weatherby..... | 27 Feb., 1878. | 200 00 | 14 00 | ..... |
| Tusket..... | 18 Mar., 1875. | Forman Hatfield..... | 1 Mar., 1875. | 100 00 | 3 00 | ..... |
| Wallace..... | 22 Oct., 1873. | William Macnab..... | 22 Oct., 1873. | 100 00 | 8 00 | ..... |
| Windsor..... | 24 Sept., 1874. | James Smith Wiley..... | 22 Sept., 1874. | 400 00 | 201 00 | ..... |
| Whycocomah..... | 29 Oct., 1875. | Neil McKinnon..... | 8 Oct., 1875. | 100 00 | 6 50 | ..... |
| Yarmouth..... | 18 Mar., 1875. | Ebenezer Scott..... | 19 Oct., 1877. | 250 00 | 384 50 | Balance used in rep'ring Harbor. |

PROVINCE OF PRINCE EDWARD ISLAND.

| | | | | | | |
|---|-----------------|-------------------------|-----------------|--------|--------|-------|
| Bay Fortune..... | 10 April, 1875. | John R. Coffin..... | 29 April, 1878. | 200 00 | Nil. | ..... |
| Cardigan River, including Cardigan Bridge.. | 2 July, 1878. | Hercules McDonald..... | 2 July, 1878. | 200 00 | 3 50 | ..... |
| Cascumpec..... | 15 July, 1874. | George Wells..... | 17 June, 1874. | 200 00 | 39 00 | ..... |
| Charlottetown... | 15 July, 1874. | David Small..... | 17 June, 1874. | 400 00 | 282 00 | ..... |
| Crapaud..... | 15 July, 1874. | Wesley Meyers..... | 17 June, 1874. | 200 00 | 15 50 | ..... |
| Egmont Bay..... | 15 July, 1874. | Alexander McArthur..... | 17 June, 1874. | 200 00 | Nil. | ..... |
| Georgetown..... | 15 July, 1874. | John Haggart..... | 17 June, 1874. | 200 00 | 138 00 | ..... |
| Grand River..... | 10 April, 1875. | Ronald S. McDonald..... | 10 April, 1875. | 200 00 | 8 50 | ..... |

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—Continued.

PROVINCE OF PRINCE EDWARD ISLAND.—Continued.

| Name of Port. | Date of Proclamation. | Name of Harbour Master. | Date of Appointment. | Amount from the fees of office salary not to exceed. | | Amount collected in 1878. | | Amount paid over to Receiver-General. |
|--------------------------|-----------------------|--------------------------|----------------------|--|------|---------------------------|------|---------------------------------------|
| | | | | \$ | cts. | \$ | cts. | |
| Malpeque..... | 10 July, 1874.. | Vacant..... | | | | | | |
| Montagu Bridge. | 15 July, 1874.. | Daniel C. Campbell..... | 17 June, 1874.. | 200 | 00 | 16 | 50 | |
| Murray Bridge... | 15 July, 1874.. | William Millar..... | 17 June, 1874.. | 200 | 00 | 4 | 50 | |
| New London..... | 15 July, 1874.. | George Mackenzie..... | 17 June, 1874.. | 200 | 00 | 8 | 00 | |
| North Pinette.... | 15 July, 1874.. | Niel McLeod..... | 17 June, 1874.. | 200 | 00 | 2 | 50 | |
| Port Hill..... | 15 July, 1874.. | James Ellis..... | 17 June, 1874.. | 200 | 00 | 5 | 00 | |
| Rollo Bay..... | 10 April, 1875.. | Charles Deagle..... | 10 April, 1875.. | 200 | 00 | Nil. | | |
| Rustico..... | 17 May, 1875.. | Vacant..... | | | | | | |
| St. Peter's Bay... | 10 April, 1875.. | George Anderson..... | 7 Dec., 1878.. | 200 | 00 | No return. | | |
| Souris East..... | 10 April, 1875.. | Stephen H. McDonald..... | 8 Oct., 1877.. | 200 | 00 | 38 | 30 | |
| Souris West..... | 10 April, 1875.. | Alexander Halloran..... | 10 April, 1875.. | 200 | 00 | No return. | | |
| Summerside..... | 15 July, 1874.. | Ronald Campbell..... | 17 June, 1874.. | 200 | 00 | 44 | 50 | |
| Tracadie..... | 17 May, 1875.. | Hugh Campbell..... | 5 May, 1875.. | 200 | 00 | 1 | 50 | |
| Tryon..... | 12 April, 1877.. | Alexander Howatt..... | 12 April, 1877.. | 200 | 00 | No return. | | |
| Vernon River Bridge..... | 19 July, 1874.. | John Furness..... | 17 June, 1874.. | 200 | 00 | 12 | 00 | |
| West River..... | 17 May, 1875.. | No appointment..... | | | | | | |

PROVINCE OF BRITISH COLUMBIA.

| | | | | | | | | |
|-----------------------------|------------------|-----------------------|------------------|-----|----|------------|----|--|
| Burrard Inlet.... | 4 Dec., 1876.. | Isaac Johns..... | 4 Dec., 1876.. | 400 | 00 | 235 | 00 | |
| Nanaimo..... | 10 April, 1875.. | Thomas Eric Peck..... | 25 April, 1876.. | 500 | 00 | 438 | 50 | |
| Quadra..... | 17 April, 1877.. | John Kenney..... | 17 April, 1877.. | 300 | 00 | No return. | | |
| Victoria and Esquimalt..... | 20 Mar., 1875.. | Jeremiah Nagle..... | 8 Mar., 1875.. | 600 | 00 | 296 | 00 | |

WM. SMITH,

Deputy Minister of Marine, &c.

OTTAWA,

1st, January, 1879.

APPENDIX No. 55.

REPORT OF THE PILOTAGE AUTHORITY OF QUEBEC, FOR THE
CALENDAR YEAR ENDED 31st DECEMBER, 1878.

QUEBEC, 16th January, 1879.

SIR,—I have the honor to submit the following report of the Quebec Harbour Commissioners, as pilotage authority for the year 1878.

The operations of the year open on the 11th April by the departure for the pilotage ground of the schooner No. 2, with seven pilots. The 16th of the same month, schooner No. 3 left with eight pilots. On the 19th, schooner No. 5 took her departure with twenty pilots, and eleven days afterwards twenty-four left by schooner No. 4. On the 2nd of May thirty-eight more were sent by the schooner No. 1.

The service was made during the whole season by these five schooners, with the exception of some instances when it has been found necessary to forward pilots by railway or steamers to replace those who were on duty. One hundred and fifty-nine pilots were thus conveyed to the different stations in order to meet the wants of the shipping.

The Annex No. 1 contains a list of the branch pilots for and below the Harbour of Quebec, according to seniority, on the 31st December, 1878, and gives all the particulars in reference to the work performed by each pilot, as also the information with regard to casualties in each case.

Old Pilots.

The old pilots of the age of 65 and over were all called to be examined, according to law, before the opening of the navigation. Twenty-two presented themselves. Twenty-one were found able to continue to practice and their licenses were accordingly renewed for one year; the other was refused, the Commissioners having come to the conclusion that, in consequence of impaired sight and hearing, he was no more fitted to perform the duties of a pilot. He has been immediately placed on the pension list.

Trials.

There has been only six trials during the season on complaints lodged by ship-masters, against sixteen held the previous year. As compared to the trials of 1877 they were all of less importance, and the marked improvement in this branch has been ascertained with satisfaction.

The Annex No. 2 contains all the particulars connected with the six above-mentioned trials.

It is with much pleasure that the Commissioners have to state that not one complaint has been lodged by the Corporation of Pilots against any member of their body for infringement of their regulations.

Three complaints have been lodged on behalf of ship-masters against the management of the Corporation. They were all referred to the Board of Pilots, and their answer in each case proved they were groundless.

Two complaints were also lodged by pilots against the management of the Corporation, and the answer in each case from the Board was accepted as satisfactory.

Licenses Awarded.

The Annex No. 1 shows that five new licenses were granted during the year, to the following named apprentice pilots, after having been examined according to the provisions of the law, viz. :—

Alexis Vézina,
Adjutor Baillargeon,
Samuel Rioux,
Chas. Octave Clavet and
Joseph Dion.

Pilots Pensioned.

Five pilots have been pensioned during the year, four at their own request on account of their bad health, and the other by order of the Commissioners as stated in the above paragraph, under the title of old pilots.

Apprentice Pilots.

No apprentices have been indentured since the 11th July, 1877.

The Annex No. 3 contains the names of the apprentices on the active list, on the 31st December.

Survey of the North and South Channels of the St. Lawrence, by the Apprentice Pilots.

During the month of June, the Commissioners have had under their consideration the advisability of reviving the old practice of sending the apprentice pilots on a survey of the north and south channels of the St. Lawrence, within the pilotage limits. The Harbour Master was directed to report on the subject, and on the 11th of the same month he reported as follows :—

“ HARBOUR COMMISSION,

“ OFFICE OF THE HARBOUR MASTER,

“ QUEBEC, 11th June, 1878,

“ To the Chairman and to the Members of the Harbour Commission, &c., &c., Quebec :

“ GENTLEMEN,—In answer to your request, I beg leave most respectfully to report that I am strongly in favor of reviving the old practice of sending the apprentice pilots on a survey of the north and south channels of the St. Lawrence, within the limits of the pilotage.

“ Under the existence of the Trinity House, the apprentice pilots were accompanied in their exploration by the junior superintendent of pilots; but, inasmuch as such an office does no more exist, and as my duties prevent me from performing such a work, I would recommend that the exploration party, if the practice in question is revived, should be placed under the superintendence of the Chairman of the Corporation of Pilots, or, in his absence, of one of the members of his Board.

“ According to the 21st section of the Act 12th Victoria, Chapter 114, now in force, an apprentice pilot, before being admitted to practice, must be perfectly well acquainted with both north and south channels; but as he has no means now to explore the north channel, he is obliged to learn it theoretically only, which in my opinion, is very deficient.

“ The 22nd section of the same Act, which has been repealed, read as follows :—

“ That the Trinity House of Quebec, in order to provide the pilot apprentices with the means of becoming acquainted with the north channel, shall send their vessel at least twice a year to explore the same, and shall admit on board, under the inspection of one of the Superintendents of Pilots, all pilot apprentices.”

"As on one side, the law compels the apprentices to be acquainted with the north channel, and, on the other side, does not furnish them with the means of properly studying the same; I would respectfully suggest that a request be addressed to the Federal Government in order to be allowed the use of one of their steamers for that purpose.

"The whole respectfully submitted,

"(Signed) F. GOURDEAU,

"*Harbour Master.*"

This report, in which the Harbour Master strongly advocates the reviving of the old practice, has been forwarded to your Department for consideration. The answer received was that there was no steamer available to perform such a work.

In consequence of the importance of the subject and in the interest of the shipping, the Commissioners take the liberty of renewing their request, in the hope that your Department will make arrangements to comply with it.

Opening and Closing of Navigation at the Port.

For the information of your Department, I beg leave to add to this report a return, Annex No. 4, published by the *Morning Chronicle* of this City, showing the dates of the opening of navigation and of the closing thereof, from 1830 to 1878, inclusively.

The whole respectfully submitted,

A. H. VERRET,

Secretary-Treasurer.

To the Honorable

J. C. POPE,

Minister of Marine and Fisheries, &c.,

Ottawa.

STATEMENT showing the Number of Pilots for and below the Harbour of Quebec on the Active List on the 31st December, 1878, the number who were retired, struck off the active list or died during the year; the number temporarily suspended; the number who were unable to serve; the number in charge of the Government Steamers and those in charge of Lighthouses, &c.

| Number. | Names. | Age. | Residence. | Number of Pilotages effected. | | | Casualties and Remarks. |
|---------|---------------------------------|------|--------------------------------------|-------------------------------|------------|----------|--|
| | | | | Upwards. | Downwards. | Moorage. | |
| 1 | Edouard Petitgrew..... | 73 | Green Island..... | 5 | 5 | 6 | |
| 2 | Joseph Pepin..... | 69 | St. John, Isle of Orleans..... | 5 | 5 | 6 | |
| 3 | Frederick Bernier..... | 74 | Quebec..... | 4 | 3 | 3 | Pensioned 11th September. |
| 4 | Charles Nole..... | 70 | do..... | 5 | 5 | 5 | Has been unable to serve during 25 days. |
| 5 | Ives Silvestre..... | 69 | Notre Dame, Lévis..... | 5 | 4 | 8 | |
| 6 | Louis Jos. Laroie..... | 68 | Bienville do..... | 5 | 5 | 6 | |
| 7 | Thomas Couillard Després..... | 68 | Bienville do..... | 5 | 5 | 6 | |
| 8 | Laurent Tremblay..... | 68 | do..... | 4 | 5 | 1 | Pensioned 31st December. Has been unable to serve during one month. Employed the whole season by the Allan Line of steamships. |
| 9 | Dominique Girard..... | 64 | Green Island..... | 7 | 6 | 5 | |
| 10 | Edouard Marcoux..... | 71 | St. Pétronille, Isle of Orleans..... | 5 | 4 | 5 | |
| 11 | Charles Pouliot..... | 64 | St. Laurent do..... | 5 | 5 | 6 | |
| 12 | Thomas Simard..... | 64 | Quebec..... | 5 | 7 | 6 | |
| 13 | Jean Audet dit Lapointe..... | 65 | St. Michel, Bellechasse..... | 5 | 5 | 5 | |
| 14 | Edouard Antil dit St. Jean..... | 63 | Quebec..... | 2 | 3 | 4 | Has been unable to serve during 3½ months. |
| 15 | George Santerre..... | 67 | St. Michel, Bellechasse..... | 5 | 5 | 6 | |
| 16 | Laurent Laroche..... | 66 | do..... | 5 | 6 | 5 | |
| 17 | Charles Bernier..... | 64 | Cap St. Ignace..... | 5 | 4 | 6 | |
| 18 | Regis Menard..... | 63 | St. Valier..... | 6 | 4 | 8 | |
| 19 | Jean Dufresne..... | 63 | do..... | 5 | 4 | 5 | |
| 20 | Jean Pouliot..... | 64 | St. John, Isle of Orleans..... | 5 | 4 | 6 | |
| 21 | Fr. Vézin..... | 64 | Quebec..... | 5 | 4 | 1 | |
| 22 | Helie Normand..... | 63 | do..... | 6 | 3 | 5 | Has been unable to serve during 35 days. |
| 23 | Alexandre Vaillancourt..... | 69 | St. Laurent, Isle of Orleans..... | 5 | 4 | 5 | Has been unable to serve during 25 days. |
| 24 | Hilaire Raymond..... | 65 | Kamouraska..... | 5 | 5 | 5 | |
| 25 | Jean Frs. Lasmare..... | 66 | St. Valier..... | 2 | 2 | 4 | Pensioned 14th August. |
| 26 | Hilaire Jovin..... | 62 | St. Luc, Rimouski..... | 5 | 5 | 5 | Employed the whole season by the Allan Line of steamships. |
| 27 | Jean Baptiste Bernier..... | 63 | L'Islet..... | 7 | 7 | 6 | |

| | | | | | | |
|----|------------------------------------|----|--------------------------------------|-------|-------|--|
| 28 | Pierre Peltier..... | 67 | St. Michel, Bellechasse..... | 5 | 2 | Has been unable to serve during nine days. |
| 29 | Frs. Thivierge..... | 68 | Quebec, St. Sauveur..... | 4 | 6 | |
| 30 | Jos. Foutic, 1st..... | 58 | St. John, Isle of Orleans..... | 5 | 6 | |
| 31 | Marcel LeBel..... | 65 | Kamouraska..... | 4 | 6 | |
| 32 | Jacques Tremblay..... | 70 | St. John, Isle of Orleans..... | 4 | 6 | |
| 33 | Jean Dugas..... | 62 | Quebec..... | 7 | 6 | |
| 34 | Oyprien Raymond..... | 60 | do..... | 4 | 6 | |
| 35 | Damien Boulanger..... | 64 | do..... | 5 | 6 | Has been unable to serve during the whole season. |
| 36 | Wm. Russell..... | 61 | do..... | ..... | ..... |  |
| 37 | Louis Laprise..... | 62 | do..... | 4 | 6 | |
| 38 | Pierre Pepin..... | 63 | St. John, Isle of Orleans..... | 4 | 6 | |
| 39 | Charles Dumas..... | 62 | Green Island..... | 5 | 6 | |
| 40 | Louis Gouin Dugal..... | 68 | St. Michel, Bellechasse..... | 6 | 6 | |
| 41 | Edouard Genest..... | 61 | St. Pétronille, Isle of Orleans..... | 4 | 6 | |
| 42 | Pierre Lapierre..... | 61 | Notre Dame, Lévis..... | 4 | 6 | |
| 43 | Anselme Marinen..... | 62 | Quebec..... | ..... | ..... | Master of the Government Steamship "Druid." |
| 44 | Magloire Delisle..... | 62 | Trois-Pistoles..... | 3 | 5 | |
| 45 | Jean Baptiste Talbot, 1st..... | 61 | Berthier..... | 5 | 6 | Has had the command of the Pilot Schooner No. 2 during the whole season. |
| 46 | Frs. Xav. Delisle, 1st..... | 60 | St. John, Isle of Orleans..... | ..... | ..... |  |
| 47 | Joseph Dick..... | 59 | do..... | 5 | 6 | |
| 48 | Frs. Noël..... | 68 | St. Pétronille, Isle of Orleans..... | 5 | 6 | |
| 49 | Paul Langlois..... | 63 | St. Agathe..... | 6 | 6 | |
| 50 | Marcel Côté..... | 63 | Green Island..... | 4 | 6 | |
| 51 | George Audet dit Lapointe..... | 58 | Lauzon, Lévis..... | 5 | 6 | |
| 52 | Gabriel Lachance..... | 59 | St. John, Isle of Orleans..... | 5 | 6 | |
| 53 | Isidre Maricotte..... | 58 | Quebec..... | 6 | 6 | |
| 54 | François Dallaire..... | 61 | St. Laurent, Isle of Orleans..... | 4 | 7 | |
| 55 | Laurent Godbout, 1st..... | 61 | Quebec, St. Sauveur..... | 5 | 6 | |
| 56 | Pierre Roy..... | 63 | do..... | 5 | 6 | |
| 57 | Olovis Antil..... | 58 | St. Jean, Port Joli..... | 3 | ..... | Pensioned 13th June. Has had the command of the Pilot Schooner No. 5 during the whole season. |
| 58 | Pierre Ruelland..... | 61 | St. Michelle, Bellechasse..... | ..... | ..... |  |
| 59 | Hubert Dumas..... | 59 | Trois-Pistoles..... | 5 | 6 | |
| 60 | Damase Babin..... | 61 | St. Jean, Port Joli..... | 5 | 6 | |
| 61 | Jos. Boucher dit Morency..... | 65 | Quebec..... | 5 | 6 | |
| 62 | Maurice Pepin dit Lachance..... | 59 | do..... | 4 | 6 | |
| 63 | David Bouffard..... | 59 | St. Laurent, Isle of Orleans..... | 5 | 6 | |
| 64 | Edouard Labrègue..... | 58 | do..... | 13 | 12 | Employed by the Donaldson Line of Steamships. |
| 65 | Bart. Pepin dit Lachance, 1st..... | 57 | St. John, Isle of Orleans..... | 5 | 6 | |
| 66 | Antoine Lapointe..... | 62 | Quebec, St. Sauveur..... | 5 | 6 | |
| 67 | Jean Chasse..... | 57 | Cacouna..... | 4 | 6 | |
| 68 | Narcisse Forgues..... | 62 | Lauzon, Lévis..... | 5 | 6 | |
| 69 | Frs. Dumas..... | 60 | Green Island..... | 4 | 6 | |
| 70 | Dominique Verreault..... | 58 | Michim..... | 5 | 6 | |
| 71 | Michel Guénard..... | 55 | Notre Dame, Lévis..... | 5 | 6 | |
| 72 | Jean Coulombs..... | 57 | St. Laurent, Isle of Orleans..... | 5 | 6 | |
| 73 | Alexis Vézina..... | 60 | Crane Island..... | 5 | 6 | |
| 74 | Gilbert Baillargeon..... | 56 | St. Pétronille, Isle of Orleans..... | 4 | 6 | Has been unable to serve during one month. |

STATEMENT showing the Number of Pilots for and below the Harbour of Quebec, &c.—Continued.

| Number. | Names. | Age. | Residence. | Number of Pilotages effected. | | | Casualties and Remarks. |
|---------|----------------------------------|------|-----------------------------------|-------------------------------|------------|-----------|--|
| | | | | Upwards. | Downwards. | Moorings. | |
| 75 | Jean Giroux..... | 56 | Notre Dame, Lévis..... | 5 | 5 | 5 | One of the Directors of the Corporation of Pilots Not re-elected at the election held the 10th December. |
| 76 | Jos. Phil. Couillard..... | 57 | Quebec..... | | | | |
| 77 | Nicholas Fortin..... | 55 | do | 5 | 4 | 6 | Died 28th June. |
| 78 | Magloire Mercier..... | 62 | do | 5 | 5 | 6 | |
| 79 | Louis Olivier Leclerc..... | 64 | St. Michel, Bellechasse..... | 4 | 5 | 6 | Has had the command of the pilot schooner No. 4 the whole season. |
| 80 | Pierre Gourdeau..... | 61 | Ste. Pétronille, Isle of Orleans. | 2 | 0 | 2 | |
| 81 | Jean Baptiste Tremblay, 1st..... | 62 | Quebec..... | 5 | 5 | 6 | Suspended from last year till the 24th August. |
| 82 | Julien Dion..... | 59 | Green Island..... | | | | |
| 83 | Pierre Lemieux..... | 54 | Quebec..... | 5 | 6 | 5 | Employed by the Allan Line of steamships. |
| 84 | Edouard Rousseau..... | 63 | Trois-Pistoles..... | 4 | 4 | 4 | |
| 85 | Louis Fontaine..... | 58 | N. D. Aux., Buckland..... | 5 | 5 | 6 | Employed by the Acadian Line of steamships. |
| 86 | Abraham Couillard Després..... | 63 | St. Michel, Bellechasse..... | 5 | 5 | 5 | |
| 87 | Frs. Gourdeau..... | 55 | Cap. St. Ignace..... | 6 | 5 | 6 | Elected Director of the Corporation of Pilots at the election held 10th December. |
| 88 | Jeremie Dufresne..... | 60 | Quebec, St. Sauveur..... | 5 | 5 | 6 | |
| 89 | Jos. Blouin..... | 64 | do | 5 | 5 | 5 | Has been since the 27th August employed by the Dominion Line of steamships. |
| 90 | Antoine Gobell..... | 50 | St. John, Isle of Orleans..... | 8 | 7 | 5 | |
| 91 | Pierre Fontaine..... | 50 | do | 5 | 5 | 6 | Master of the lightship "Red Island," Employed by the Allan Line of steamships. |
| 92 | Joseph Lavoie..... | 64 | St. Luce, Rimouski..... | 4 | 6 | 6 | |
| 93 | Victor Darners..... | 53 | Lauson, Lévis..... | 8 | 10 | 2 | Employed by the Allan Line of steamships. |
| 94 | Joseph Pianté..... | 48 | Basé St. Paul..... | 5 | 5 | 6 | |
| 95 | Louis Thivierge..... | 49 | St. John, Isle of Orleans..... | 5 | 5 | 6 | Employed by the Allan Line of steamships. |
| 96 | Charles Francis Brown..... | 50 | Quebec..... | 6 | 7 | 6 | |
| 97 | Paul Paquet..... | 57 | St. John, Isle of Orleans..... | 6 | 9 | 6 | Employed by the Allan Line of steamships. |
| 98 | Joseph Pouliot, 2nd..... | 51 | do | 5 | 5 | 6 | |
| 99 | George Normand..... | 48 | Crane Island..... | 5 | 5 | 6 | Employed by the Allan Line of steamships. |
| 100 | David Damour..... | 46 | Trois-Pistoles..... | 8 | 8 | 5 | |
| 101 | Charles Vestina..... | 44 | St. Michel, Bellechasse..... | 9 | 8 | 5 | |

| | | | | | | |
|-----|------------------------------------|----|--------------------------------------|-------|-------|---|
| 102 | <i>Ovide Dick</i> | 47 | Quebec..... | 2 | 3 | Suspended from last year till the 30th June. Has been unable to serve during one month after suspension had ceased. |
| 103 | Michel Nill Asselin..... | 48 | St. Michel, Bellechasse..... | ..... | ..... | One of the Directors of the Corporation of Pilots. Not re-elected at the election held the 10th December. |
| 104 | Numa Lachance..... | 44 | do do..... | 7 | 5 | Employed by the Allan Line of steamships. |
| 105 | Annibal Baquet..... | 43 | Quebec..... | 14 | 4 | Pilot of the steamship "Miramichi" of the Gulf Ports Steamship Company. |
| 106 | Jos. Gravel..... | 49 | do..... | 5 | 5 | Master of the Government steamship "Napoleon III." |
| 107 | Auguste Couillard Desprès..... | 42 | Bienville, Lévis..... | ..... | ..... | ..... |
| 108 | Eustache Doiron..... | 45 | St. Joseph, Lévis..... | 5 | 5 | ..... |
| 109 | Jean Baptiste Pouliot..... | 37 | St. John, Isle of Orleans..... | 5 | 6 | One of the Directors of the Corporation of Pilots. Not re-elected at the election held the 10th December. |
| 110 | Jean Gobeil..... | 37 | do do..... | ..... | ..... | Employed by the Allan Line of steamships. |
| 111 | Joseph Paquet..... | 42 | do do..... | 10 | 5 | One of the Directors of the Corporation of Pilots. Re-elected at the election held the 10th December. |
| 112 | Louis Edmond Morin..... | 40 | Quebec..... | ..... | ..... | ..... |
| 113 | Moise Lachance..... | 41 | St. John, Isle of Orleans..... | 5 | 6 | ..... |
| 114 | Joseph S. Brown..... | 44 | Quebec..... | 5 | 6 | ..... |
| 115 | Hubert Raymond..... | 39 | St. John, Isle of Orleans..... | 5 | 7 | ..... |
| 116 | Achille Damour..... | 39 | Trois-Pistoles..... | 5 | 6 | ..... |
| 117 | Cyrille Lapointe..... | 39 | St. Laurent, Isle of Orleans..... | 5 | 5 | ..... |
| 118 | Joseph Pouliot, 3rd..... | 35 | St. John do..... | 5 | 6 | ..... |
| 119 | Edmond Larochelle..... | 35 | St. Michel, Bellechasse..... | ..... | ..... | One of the Directors of the Corporation of Pilots. Re-elected at the election held the 10th December. Elected Chairman of the Corporation on the 11th same month. |
| 120 | Ant. Thomas Chouinard..... | 44 | Pointe-aux-Péres..... | 5 | 5 | Has been unable to serve during 56 days. |
| 121 | Siméon Plante..... | 43 | Quebec..... | 4 | 4 | Employed by the Dominion Line of Steamships. |
| 122 | Laurent Godbout, 2nd..... | 35 | St. John, Isle of Orleans..... | 12 | 4 | ..... |
| 123 | Pierre S. Leprise..... | 35 | St. Pétroville, do..... | 5 | 5 | do |
| 124 | Adelme Pouliot..... | 39 | St. Laurent, do..... | 14 | 6 | ..... |
| 125 | Bart. Pepin dit Lachance, 2nd..... | 33 | St. John, do..... | 5 | 5 | Has been unable to serve during 15 days. |
| 126 | Frs. X. Delsie, 2nd..... | 33 | St. Roumald..... | 5 | 4 | ..... |
| 127 | Jos. Pepin dit Lachance..... | 44 | Quebec..... | 4 | 6 | ..... |
| 128 | Damien Eugène Boulanger..... | 35 | Lauzon, Lévis..... | 4 | 5 | Has been unable to serve during 23 days. |
| 129 | Cyprien Langlois..... | 34 | St. John, Isle of Orleans..... | 4 | 6 | Employed by the Temperley Line of Steamships. |
| 130 | Jean Delisle..... | 33 | do do..... | 9 | 7 | ..... |
| 131 | Nazaire Curodean..... | 31 | Quebec..... | 5 | 5 | Suspended the whole season. |
| 132 | Charles Normand..... | 32 | do..... | ..... | ..... | ..... |
| 133 | Napoleon Rioux..... | 33 | St. Pétroville, Isle of Orleans..... | 5 | 5 | Employed by the Acadian Line of Steamships. |
| 134 | Jean Baptiste Tremblay, 2nd..... | 35 | Quebec..... | 9 | 3 | ..... |
| 135 | Rag. Bosquet dit Lamontagne..... | 33 | St. Michel, Bellechasse..... | 5 | 5 | ..... |
| 136 | François Xavier Lamarré..... | 32 | St. Valier..... | 5 | 5 | ..... |
| 137 | Moise Pouliot..... | 30 | St. John, Isle of Orleans..... | 5 | 6 | ..... |

STATEMENT showing the Number of Pilots for and below the Harbour of Quebec, &c.—Continued.

| Number. | Names. | Age. | Residence. | Number of Pilotages effected. | | | Casualties and Remarks. |
|---------|--------------------------------------|------|---------------------------------------|-------------------------------|------------|-----------|---|
| | | | | Upwards. | Downwards. | Moorages. | |
| 136 | Paul Gobeil..... | 32 | St. John, Isle of Orleans | 5 | 4 | 6 | One of the Directors of the Corporation of Pilots Not re-elected at the election held 10th Dec. Commands a steamboat on one of the upper lakes, name unknown. Elected Director of the Corporation of Pilots at the election held 10th December. Employed by the Allan Line of Steamships. Elected Director of the Corporation of Pilots at the election held 10th December. Employed by the Gulf Ports Steamship Co. Has commanded the Pilot Schooner No. 1 during the whole season. Has been unable to serve during one month. Employed by the Acadian Line of Steamships. Elected Director of the Corporation of Pilots at the election held 10th December. Employed by the Allan Line of Steamships as pilot of the tug "Rocket." |
| 139 | Chas. Aisire Raymond | 30 | Quebec..... | 5 | 5 | 5 | |
| 140 | Victor Vézina..... | 33 | do ..... | ..... | ..... | ..... |  |
| 141 | Louis Honorius Lachance | 40 | St. Michel, Bellechasse ..... | ..... | ..... | ..... |  |
| 142 | L. B. O. Gaulton dit Larochele | 32 | do | 4 | 6 | 6 | |
| 143 | Chas. Hermie alias A. Bernier..... | 33 | do | 5 | 5 | 5 | |
| 144 | Louis Robert Demers..... | 32 | St. Andr ..... | 8 | 10 | 7 | |
| 145 | Vital Ephrem Chamberland..... | 38 | Lauzon, L vis | 6 | 4 | 6 | |
| 146 | Joseph G. Dupil | 31 | Ste. P ronille, Isle of Orleans | 4 | 6 | 6 | |
| 147 | Jean Baptiste Talbot, 2nd..... | 33 | Berthier | 8 | 7 | 7 | |
| 148 | Louis Fortuna Lavoye | 33 | Ste. Luce, Rimouski | 5 | 6 | 6 | |
| 149 | Joseph Fortier..... | 34 | St. John, Isle of Orleans..... | 6 | 4 | 6 | |
| 150 | Nestor Lachance | 33 | do | 4 | 6 | 6 | |
| 151 | Cyril Audet dit Lapointe..... | 33 | St. Michel, Bellechasse | 5 | 4 | 6 | |
| 152 | Edouard Turgeon..... | 32 | St. John, Isle of Orleans | 5 | 4 | 6 | |
| 153 | Joseph Lapointe..... | 35 | St. Laurent, do ..... | ..... | ..... | ..... |  |
| 154 | Leandre Raymond..... | 30 | St. John, do | 4 | 4 | 5 | |
| 155 | Pierre Pepin dit Lachance..... | 29 | St. Anne de la Pocatiere | 4 | 6 | 6 | |
| 156 | Th ophile Gourdeau..... | 34 | Ste. P ronille, Isle of Orleans | 5 | 7 | 7 | |
| 157 | Jadore No l..... | 28 | St. John, Isle of Orleans..... | 5 | 5 | 5 | |
| 158 | Jean Yvariste Adam..... | 34 | L'Islet | 5 | 5 | 5 | |
| 159 | Alfr. d Larochele..... | 28 | Notre Dame, L vis..... | 10 | 10 | 2 | |
| 160 | Th r bile Corriveau | 31 | Quebec, St. Sauveur | 5 | 5 | 5 | |
| 161 | Elzer - Godbout..... | 30 | do | 5 | 5 | 6 | |
| 162 | Ouillard Despr s..... | 30 | Beauville, L vis..... | ..... | ..... | ..... |  |

| | | | | | | | |
|-----|-----------------------------------|----|---------------------------------------|-------|-------|-------|---|
| 163 | Pierre Gobeil..... | 30 | St. John, Isle of Orleans..... | 5 | 5 | 6 | Employed by the Acadian Line of Steamships. |
| 164 | Thomas Alfred Antil..... | 28 | L'Islet..... | 5 | 5 | 5 | |
| 165 | Theophile Papin dit Lachance..... | 33 | Quebec..... | 4 | 3 | 4 | |
| 166 | Achille Trefflé Simard..... | 32 | St. Jos-ph, Lévis..... | 5 | 4 | 5 | |
| 167 | Jean-Bte. Patoin..... | 27 | Bienville, do..... | 7 | 7 | 5 | |
| 168 | Narcisse Lavoie..... | 29 | Ste. Luce, Rimouski..... | 5 | 5 | 6 | |
| 169 | Alfred Turgeon..... | 26 | St. John, Isle of Orleans..... | 5 | 4 | 5 | |
| 170 | Jos. Emilie Couillard..... | 27 | Quebec..... | ..... | ..... | ..... |  |
| 171 | Louis Albert Royer..... | 33 | St. John, Isle of Orleans..... | 5 | 5 | 6 | |
| 172 | Adelard Sansterre..... | 28 | St. Michel, Bellechasse..... | 5 | 4 | 6 | |
| 173 | Onésime Noël..... | 26 | St. John, Isle of Orleans..... | 5 | 5 | 6 | |
| 174 | Napoléon Baillargeon..... | 28 | St. Michel, Bellechasse..... | 5 | 4 | 6 | |
| 175 | David F. Pelletier..... | 26 | St. John, Isle of Orleans..... | 5 | 1 | 1 | |
| 176 | Jos. Frs.-Xavier Bernier..... | 26 | Lazon, Lévis..... | 5 | 7 | 5 | |
| 177 | Frs.-Xavier Demeule..... | 26 | L'Islet..... | 4 | 6 | 6 | |
| 178 | Louis Honoré Lapiere..... | 28 | St. John, Isle of Orleans..... | 5 | 5 | 5 | |
| 179 | Jos. Eugène Lachance..... | 24 | Notre Dame, Lévis..... | 5 | 4 | 5 | |
| 180 | David Arthur Bouffard..... | 24 | St. John, Isle of Orleans..... | 5 | 4 | 5 | |
| 181 | Jean Théophile St. Laurent..... | 27 | do..... | 5 | 5 | 5 | |
| 182 | Jacques George Dugas..... | 26 | St. Germain, Rimouski..... | 5 | 5 | 6 | |
| 183 | Jos. Victor Gourdeau..... | 31 | Quebec..... | 6 | 4 | 5 | |
| 184 | Louis alias Treflé Delisle..... | 24 | Ste. Pétronille, Isle of Orleans..... | 5 | 5 | 5 | |
| 185 | Jean-Bte. Couillard..... | 27 | Trois-Pistoles..... | 5 | 5 | 6 | |
| 186 | Chas. Pelletier..... | 28 | Cap St. Ignace..... | 5 | 5 | 6 | |
| 187 | Jos. alias Philéas Langlois..... | 32 | St. Michel, Bellechasse..... | 5 | 5 | 5 | |
| 188 | Nazaire Delisle..... | 29 | St. John, Isle of Orleans..... | 5 | 5 | 5 | |
| 189 | J. E. Bonaventure Lavoie..... | 26 | do..... | 5 | 5 | 5 | |
| 190 | Alexis Vézina..... | 28 | Ste. Luce..... | 5 | 5 | 5 | |
| 191 | Adjutor Baillargeon..... | 24 | Crane Island..... | 5 | 5 | 5 | |
| 192 | Samuel Rioux..... | 25 | Ste. Pétronille, Isle of Orleans..... | 5 | 5 | 5 | |
| 193 | Chs. Oct Clavet..... | 24 | Quebec..... | 4 | 3 | 2 | |
| 194 | Joseph Dion..... | 22 | St. Michel, Bellechasse..... | 2 | 6 | 2 | |
| | | | Green Island..... | 0 | 1 | 0 | |

Has commanded the Pilot Schooner No. 3 during [the whole season.

Suspended from last year till the 9th November.

Licensed, 7th April.
do do
do 8th May.
do 14th August.
do 23rd October.

Certified,

A. H. VERRET,
Secretary Treasurer.

List of Apprentice Pilots acting immediately under the Quebec Harbour Commissioner's Pilotage Authority, on the 31st December, 1878.

| Number. | Names. | When Indentured. |
|---------|-----------------------------|-------------------|
| 1 | Arcadins Gauvin..... | May 21, 1872. |
| 2 | Paul Lachance..... | August 23, 1872. |
| 3 | Louis Philippe Lavoie..... | October 11, 1872. |
| 4 | Leon Labrègue..... | do 12, 1872. |
| 5 | Paul Lachance..... | do 22, 1872. |
| 6 | Joseph Pouliot..... | do 22, 1872. |
| 7 | Joseph Larochelle..... | do 22, 1872. |
| 8 | Adjutor Lachance..... | November 8, 1872. |
| 9 | Prudent Marmen..... | October 14, 1874. |
| 10 | Elzéar Normand..... | do 14, 1874. |
| 11 | Ernest Nollet..... | March 19, 1874. |
| 12 | Arthur Koenig..... | do 20, 1874. |
| 13 | François Goudreau, jun..... | do 20, 1874. |
| 14 | David Dumas..... | do 21, 1874. |
| 15 | Eugène Ancil..... | do 21, 1874. |
| 16 | Alphonse Pouliot..... | do 21, 1874. |
| 17 | Paul Paquet, jun..... | do 21, 1874. |
| 18 | Joseph Lachance..... | do 21, 1874. |
| 19 | Jean S. Bernier..... | do 20, 1874. |
| 20 | Joseph Paquet..... | do 31, 1874. |
| 21 | Jean Alphonse Lachance..... | April 15, 1875. |
| 22 | Arthur Pelletier..... | October 12, 1875. |
| 23 | Herménégilde Guénard..... | do 12, 1875. |
| 24 | Arthur Baillargeon..... | do 12, 1875. |
| 25 | Joseph Vézina..... | do 12, 1875. |
| 26 | John William Irvine..... | do 28, 1875. |
| 27 | Cains Fortin..... | November 2, 1875. |
| 28 | Horace Pelletier..... | May 4, 1876. |
| 29 | Elzéar Desrosters..... | do 4, 1876. |
| 30 | Frédéric Bouffard..... | July 26, 1876. |
| 31 | Jules Asselin..... | do 26, 1876. |
| 32 | Alfred Dion..... | April 7, 1877. |
| 33 | Lucien Lachance..... | do 7, 1877. |
| 34 | Odilon Lapière..... | do 7, 1877. |
| 35 | Camille Bernier..... | July 11, 1877. |
| 36 | Philéas Lachance..... | do 11, 1877. |
| 37 | Moïse Blouin..... | do 11, 1877. |
| 38 | Alfred Goudreau..... | do 11, 1877. |
| 39 | Alfred Raymond..... | do 11, 1877. |
| 40 | Moïse Goudbout..... | do 11, 1877. |

(Certified)

A. H. VERRET,
Secretary-Treasurer.

STATEMENT of Trials held during the year 1878, before the Harbour Commissioners, under the Act respecting Pilotage,
36 Vic., chap. 54.

| Names of Pilots tried. | Nature of complaints lodged. | When complaints lodged. | Date of trials. | Judgments. | Remarks. |
|-------------------------------|--|-----------------------------------|-----------------------|---|--|
| Theophile Gourdeau. | For having ran ashore the steamer "Derwent" on Crane Island, the 16th July, at 7.30 o'clock, a.m. | 18th July, at 1 o'clock, p.m. | 17th July. | Convicted, suspended for 10 days, and condemned to pay costs. | |
| Gabriel Lachance..... | For having ran to the ground the bark "Countess of Minto" in the South Traverse Channel, the 3rd September, at 5.50 o'clock, a.m. | 4th Sept., at 2.30 o'clock, p.m. | 23rd September.. | Convicted & fined \$10 and costs. | |
| Jos. F. X. Bernier.... | For having caused the loss of an anchor and about 15 fathoms of chain, belonging to the bark "Forest Queen," on the 13th September, in the harbour. | 13th Sept., at 4 o'clock, p.m. | 23rd September.. | Dismissed..... | This case was dismissed on account of the master of the bark failing to appear with his witnesses. |
| Jean Dufresne | For having ran ashore the steam-ship "Vindolana" during the night of the 16th September, in the Traverse. | 18th Sept., at 3.30 o'clock, p.m. | 26th Sept. & 1st Oct. | Dismissed..... | In dismissing the case the Court expressed the opinion that Defendant committed an error of judgment in going to the Traverse with such a large vessel under his charge at the particular time of the ebb tide, as proved by the evidence, and during spring tide. |
| Jean Pepin dit La- chance. | For having ran ashore on the Fly Bank the ship "Givendoline," on the 7th September. | 9th Sept., at 10 o'clock, p.m. | 30th September.. | Dismissed..... | This case was dismissed on the ground that the complaint was lodged too late, but the defendant was reprimanded for having moved the ship at the last quarter of ebb tide, inasmuch as it was his duty to ascertain the draught of said ship before moving her at such tide. |
| Laurent Larocheille.. | For having, on the 28th Sept., whilst in charge of the ship "Goatfell," collided with the bark "Albionus," at 11 o'clock, p.m., close to Bellechasse Lighthouse. | 2nd Oct., at 10 o'clock, a.m. | 15th October..... | Convicted & fined \$20 and costs. | |

Certified.

A. H. VERRET, Secretary-Treasurer

RETURN showing the Opening of Navigation at the Port of Quebec in each year, from 1830 to 1878 inclusive; also, the date of closing thereof during that period.

| Years. | Arrivals from Montreal. Steamers. | Arrivals from Sea. Ships. | Sailed for Sea. | Years. | Arrivals from Montreal. Steamers. | Arrivals from Sea. Ships. | Sailed for Sea. |
|-----------|-----------------------------------|---------------------------|-----------------|-----------|-----------------------------------|---------------------------|-----------------|
| | Date. | Date. | Date. | | Date. | Date. | Date. |
| 1830..... | April 17... | April 26... | Dec. 4 | 1855..... | May 6... | May 6... | Nov. 22 |
| 1831..... | do 21... | do 16... | Nov. 30 | 1856..... | April 27... | April 20... | do 23 |
| 1832..... | do 29... | May 4... | do 30 | 1857..... | do 17... | do 28... | do 24 |
| 1833..... | do 18... | do 10... | do 25 | 1858..... | do 18... | do 29... | do 25 |
| 1834..... | do 18... | do 6... | do 24 | 1859..... | do 22... | do 29... | do 28 |
| 1835..... | May 4... | do 2... | do 25 | 1860..... | do 26... | do 28... | do 26 |
| 1836..... | do 11... | do 11... | do 26 | 1861..... | do 26... | do 22... | do 26 |
| 1837..... | do 1... | April 29... | do 18 | 1862..... | do 30... | do 16... | do 29 |
| 1838..... | April 28... | May 3... | do 20 | 1863..... | May 3... | May 4... | do 27 |
| 1839..... | do 21... | do 8... | do 23 | 1864..... | April 21... | April 27... | do 30 |
| 1840..... | do 19... | April 25... | do 29 | 1865..... | do 21... | do 29... | do 28 |
| 1841..... | May 1... | do 29... | do 28 | 1866..... | do 26... | do 28... | Dec. 1 |
| 1842..... | April 21... | May 3... | do 28 | 1867..... | May 3... | do 17... | Nov. 29 |
| 1843..... | May 5... | April 18... | do 28 | 1868..... | April 28... | do 23... | do 28 |
| 1844..... | April 24... | May 3... | do 23 | 1869..... | do 30... | do 27... | do 27 |
| 1845..... | do 25... | do 1... | do 26 | 1870..... | do 25... | do 16... | Dec. 2 |
| 1846..... | do 17... | April 24... | do 27 | 1871..... | do 18... | do 22... | Nov. 27 |
| 1847..... | May 8... | May 8... | do 26 | 1872..... | May 6... | do 30... | do 26 |
| 1848..... | April 6... | do 1... | do 21 | 1873..... | do 2... | do 28... | do 22 |
| 1849..... | do 25... | April 28... | do 25 | 1874..... | do 10... | do 28... | do 25 |
| 1850..... | do 25... | do 28... | do 28 | 1875..... | do 9... | do 29... | do 23 |
| 1851..... | do 22... | do 20... | do 29 | 1876..... | do 9... | May 6... | do 24 |
| 1852..... | do 30... | do 15... | Dec. 4 | 1877..... | April 26... | April 25... | do 26 |
| 1853..... | do 23... | do 24... | Nov. 26 | 1878..... | do 21... | do 20... | do 25 |
| 1854..... | May 5... | do 19... | do 29 | | | | |

(Translation.)

QUEBEC, 31st December, 1878.

SIR,—I hasten to transmit herewith a statement, such as demanded by your letter of the 16th instant, of the Decayed Pilot Fund of Quebec, for the year ending to-day; and I also have the honor to furnish the following information as likewise demanded by your letter, viz:—

The total receipts of the Corporation of Pilots for the Port of Quebec and below Quebec, for the year 1878, were \$104,816.73; and the total expenses, \$20,927.29. 184 pilots received an average net dividend of \$455.90.

I have, &c.,

C. R. MICHAUD,
Secretary Corporation Pilots, Quebec.

To W. M. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 56.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF ST. JOHN, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

OFFICE OF PILOT COMMISSIONERS,
DISTRICT OF ST. JOHN, N.B.,
3rd January, 1879.

SIR,—I have the honor of enclosing you the Returns of our office, made up to date.

I am, Sir,
Your most obedient servant,

J. U. THOMAS,
Secretary-Treasurer.

To W. SMITH, Esq.,
Deputy Minister of Marine.
Ottawa.

OFFICE OF PILOT COMMISSIONERS,
DISTRICT OF ST. JOHN, N.B.,
31st December, 1878.

STATEMENT of Receipts and Expenditures for the year ending this day.

Receipts.

| | | |
|---|-------|-------------------|
| Licenses : | | |
| 45 Pilots, at \$5, and 7 boats at \$10..... | \$295 | 00 |
| 25 cents per foot on outward pilotage on vessels leaving Musquash, 1877..... | 20 | 50 |
| 25 cents per foot on outward pilotage on vessels leaving this Port to date..... | 1,941 | 74 |
| Fines imposed on Pilot Spears..... | \$30 | 37 |
| Outward Pilotage Corporation..... | 7 | 50 |
| Interest on Dominion Stock..... | 70 | 54 |
| “ on Deposit Bank of Montreal..... | 51 | 69 |
| | | <u>160 10</u> |
| Examining Fees charged Pilots..... | 45 | 00 |
| | | <u>\$2,462 54</u> |

Expenditure.

| | | |
|---|-------|-----------------|
| Assistance to worn-out Pilots, Widows and Children... | 430 | 00 |
| Auditing account last year..... | 60 | 00 |
| Salary of Secretary 12 months..... | 800 | 00 |
| Office rent, fuel, &c., &c..... | 200 | 00 |
| Paid Examining Committee..... | 90 | 00 |
| Dr. Bayard, Certificate for Pilot..... | 5 | 00 |
| C. W. Weldon, legal opinion..... | 15 | 00 |
| Troop & McLaughlin, charts &c..... | 6 | 10 |
| Printing, stationery, &c..... | 46 | 00 |
| Filling up Licenses for Pilots..... | 4 | 25 |
| | | <u>1,646 35</u> |
| Balance..... | \$815 | 99 |

F. & O. F.

J. U. THOMAS,
Secretary-Treasurer.

OFFICE OF PILOT COMMISSIONERS,

DISTRICT OF ST. JOHN, N.B.,

31st December, 1878.

RETURNS of Vessels piloted in and out of this District, for the year ending 31st December, 1878.

| | |
|----------------------|------------|
| Barks and ships..... | 258 |
| Brigs | 109 |
| Schooners | 196 |
| Steamers | 8 |
| Total | 571 |

Amount of pilotage received..... \$26,536 48

British.

| | |
|-----------------------|------------|
| Barks and ships | 204 |
| Brigs | 99 |
| Schooners | 33 |
| Steamers..... | 6 |
| Total | 342 |

Amount of pilotage received..... \$17,443 37

Foreign.

| | |
|----------------------------------|------------|
| Barks and ships | 54 |
| Brigs | 10 |
| Schooners | 163 |
| Steamers..... | 2 |
| Total | 229 |

Amount of pilotage received..... \$9,093 11

E. & O. E.

J. U. THOMAS,
Secretary-Treasurer.

OFFICE OF PILOT COMMISSIONERS,

DISTRICT OF ST. JOHN, N.B.,

31st December, 1878.

RATES of Pilotage chargeable on vessels in the District of St. John.

INWARDS.

| | |
|-----------------------------|--------|
| 1st District, per foot..... | \$1 00 |
| 2nd do do | 1 25 |
| 3rd do do | 1 50 |
| 4th do do | 1 75 |
| 5th do do | 2 25 |

OUTWARDS.

From the Harbor of St. John to outside of Partridge Island, \$1.25 per foot.
 Down the Bay of Fundy, when required, \$2 per foot above the \$1.25 harbor pilotage.

TRANSPORTING VESSELS IN THE HARBOR ST. JOHN.

| | |
|---|--------|
| Vessels not over 100 tons..... | \$1 50 |
| do over 100 not exceeding 200 tons..... | 2 00 |
| do do 200 do 300 tons..... | 3 00 |
| do do 300 do 400 tons..... | 4 00 |

And 25 cents additional for every 50 tons over 400 tons.

HARBOR OF MUSQUASH—INWARD.

1st District, \$1.75 per foot, and 25 cents per foot additional for each District boarded beyond the said first District.

OUTWARD.

Within the 1st District, \$1.00 per foot.

OFFICE OF PILOT COMMISSIONERS,
 DISTRICT ST. JOHN, N. B.,
 31st December, 1878.

Returns of Pilot Licenses for the District of St. John for the year ending 31st December, 1878.

| Name. | Age. | Name. | Age. |
|---------------------------|------|----------------------------------|------|
| Thomas Trayner..... | 25 | John Spears (third)..... | 29 |
| Samuel Rutherford..... | 46 | Charles Daley..... | 43 |
| Geo. P. Mulherrin..... | 30 | William Lahey..... | 49 |
| James Cassilely..... | 31 | Richard Cline..... | 53 |
| Edward J. Fletcher..... | 51 | James McPartland..... | 44 |
| John Spears..... | 67 | Daniel Daley..... | 49 |
| John Spears (second)..... | 31 | James S. Spears..... | 33 |
| Thomas Vaughan..... | 59 | Michael Garrity..... | 55 |
| Joseph Doherty..... | 32 | Charles Bridges..... | 31 |
| John L. C. Sherrand..... | 44 | John Trayner..... | 27 |
| William Hatfield..... | 62 | James E. Mantle..... | 32 |
| James Doyle..... | 41 | Robert Thomas..... | 37 |
| Henry Spears..... | 27 | William Quinn..... | 31 |
| John Thomas..... | 30 | Daniel Mulherrin..... | 52 |
| Patrick Trayner..... | 52 | William Millen..... | 27 |
| Thomas Doody..... | 30 | Robert Reed..... | 26 |
| James Murray..... | 37 | Samuel L. Tutton..... | 29 |
| Henry Thomas..... | 47 | Alfred Cline..... | 22 |
| John Scott..... | 61 | William Scott..... | 23 |
| John Sproul..... | 42 | Thos. John Stone..... | 25 |
| Richard Scott..... | 27 | James Reed..... | 61 |
| Patrick Conlin..... | 28 | John McAnulty, for Musquash..... | 40 |
| James Reed, jun..... | 32 | | |

District of St. John..... 44 pilots.
 do Musquash..... 1 pilot.

J. U. THOMAS,
Secretary-Treasurer.

APPENDIX No. 57.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF BUCTOUCHE, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

BUCTOUCHE, 3rd January, 1879.

SIR,—Enclosed I transmit Pilotage Returns, District of Buctouche, N. B., for year 1878, as required under provisions of the 24th Section of the Act 36 Vic., Cap. 54, which I hope will be satisfactory.

As Secretary to the Pilotage Authority, I kept a number of other particulars, but believe the Return includes all specified in the law.

As two of the Commissioners live some distance from here, and there might not be an opportunity of getting their signatures within the time required, I have signed the Return as Secretary, under the impression that that will be sufficient.

Your most obedient servant,

JOHN C. ROSS,

Secretary to Buctouche Pilotage Authority.

WILLIAM SMITH, Esq.,

Deputy Minister of Marine and Fisheries,
Ottawa.

PILOTAGE RETURNS, DISTRICT OF BUCTOUCHE, PROVINCE OF NEW BRUNSWICK, FOR THE YEAR 1878, ACT 36 VIC., CAP. 54, SEC. 24.

1. Name and age of Pilots licensed.

| Name. | Age. |
|------------------------|------|
| John S. Dixon..... | 45 |
| Frederick Legere. | 41 |
| Caliste Legere..... | 45 |
| Thade Pellerin..... | 42 |
| Matthew Smith..... | 39 |
| John Smith..... | 32 |
| Alfred Smith..... | 31 |

2. The above named pilots are all licensed to undertake the pilotage of vessels of every description within and throughout the pilotage district of Buctouche.

3. Pilotage dues as per rules and regulations, section 12, viz.: One dollar and fifty cents (\$1.50) per foot draught of water, both inward and outward bound. For removal of any ship or vessel, and seeing the same properly secured and moored, the sum of one dollar and fifty cents for vessels not exceeding 100 tons; the sum of two dollars for vessels over 100 and not exceeding 200 tons; the sum of three dollars for vessels over 200 and not exceeding 300 tons; and the sum of four dollars for all vessels exceeding 300 tons.

4. Total amount received for pilotage dues \$381, of which \$309.75 was received from British ships, and \$71.25 was received from foreign ships. All for inward and outward pilotage at the rate of \$1.50 per foot draught of water.

5. The pilotage dues as above were paid to the different pilots who performed the duties as such for the respective vessels.

According to the rules and regulations a fee of \$2 was paid by each pilot to the Pilotage Authority on receiving his license, making in all \$14, of which \$3 was expended for printing rules and regulations, balance of \$11 being in hands of Pilotage Authority.

JOHN C. ROSS,

Secretary to Buctouche Pilotage Authority.

BUCTOUCHE, 3rd January, 1879.

APPENDIX No. 58.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF CHARLOTTE, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

SAINT ANDREWS, N. B.,

31st December, 1878.

SIR,—Annexed please find Returns of Pilotage Commissioners for year ending 31st December, 1878.

I am, Sir,

Your most obedient servant,

C. E. O. HATHEWAY,

Commissioner and Secretary.

To W. SMITH, Esq.,

Deputy Minister of Marine and Fisheries.
Ottawa, Canada.

PILOTAGE RETURNS FOR DISTRICT OF CHARLOTTE, N. B.

Licensed Pilots acting for year 1878:—

| | | | |
|----------------------------|---------------|---|----|
| No. 1. Conley, Thomas..... | 48 years..... | For Pilotage District of the County of Charlotte. | |
| 2. Cline, William..... | 68 do | do | do |
| 3. Boyd, Joseph..... | 43 do | do | do |
| 4. Cline, Wellington.... | 37 do | do | do |
| 5. Pine, James D..... | 53 do | do | do |
| 6. Cline, Edward..... | 63 do | do | do |

Pilot Boat Licensed.

Sloop "Pilot," W. Cline, Master.

Amount Received by Pilots for Pilotage in the County.

| | |
|----------------------|----------|
| British vessels..... | \$342 75 |
| Foreign do | 169 50 |
| Total | \$512 25 |

Rates of Pilotage.

| | |
|--|---------------------------|
| Longest pilotage distance, inward and outward..... | \$2 25 per foot aft water |
| Second do do | 1 60 do |
| Third do do | 1 50 do |

Inwards or outwards to Campobello, 20 cents per foot less than above rates.
Fourth Pilotage distance, inwards or outwards, \$1 per foot aft water.

From 1st of November to 1st of April, 20 cents per foot in addition to above rates.

Harbor Pilotage up to 300 tons, \$2.50; above 300 tons \$3.00.

River Pilotage inside St. Andrews's Bay; vessels up to 200 tons, \$4; to 300, \$5; to 400, \$6; over 400, \$8 each.

River Pilotage, St. Andrew's Bay to any harbor in the County, under 200 tons, \$6; under 300, \$8; under 400, \$10; over 400, \$12.

Receipts by Commissioners.

Received for Licenses to Pilots and Boat..... \$41 00

Expenditure.

Printing regulations, \$3, stationery and postage, \$1..... \$ 4 00

Paid Commissioners, St. Stephens and St. George..... 15 00

do do St. Andrews, Acting Secretary..... 22 00

\$41 00

C. E. O HATHEWAY;

Commissioner and Acting Secretary.

E. C.

APPENDIX No. 59.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
COCAGNE, N.B., FOR THE CALENDAR YEAR ENDED 31ST DEC., 1878.

COCAGNE, KENT Co., N.B., January 2nd, 1879.

SIR,—We, the Pilotage Authority for the Port of Cocagne, in the County of Kent, in the Province of New Brunswick, have the honor to transmit to you our Returns respecting the pilots for said port.

| Names of Pilots. | Ages. | |
|---------------------------|-------|-----------|
| 1st. Eustache Martin..... | 41 | Licensed. |
| Sylvain Hebert..... | 44 | do |
| Camile Duprey..... | 46 | do |

2nd. The services of each and every of the above pilots are to pilot ships and vessels in and out of said port, and removing them when required.

3rd. Each and every pilot receives \$1.40 per foot for piloting vessels in and out of the Port of Cocagne, and \$4 for each and every removal.

4th. Received \$184.90 from British ships; \$69.30 from foreign ships; total, \$254.20.

5th. Received from pilots of said port \$6, and expended for blank licenses and regulations, &c., \$4.

We have the honor to be, Sir,

Your obedient servants,

THOMAS IRVING,
THEOPHILUS BILODEAU,
JOHN BROOKS.

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

PILOTS' REPORT.

| Date. | Where Spoken or Boarded. | Name of Vessel and Rig. | Name of Captain. | Nationality. | Draught of Water, Inwards. | | Draught of Water, Outwards. | | Whether under Sail or in tow of Steamer. | Amount of Pilotage. | |
|-------------|--------------------------|-------------------------|--------------------|---------------|----------------------------|-------|-----------------------------|-------|--|---------------------|----------|
| | | | | | Forward. | Aft. | Forward. | Aft. | | Inward. | Outward. |
| May 23..... | Off Buctouche | "Emilie," bark | L. A. Simanson.. | Foreign | Feet. | Feet. | Feet. | Feet. | Sail..... | \$ cts. | \$ cts. |
| June 28.... | Shediac..... | "Linwood," brigantine | D. Davies..... | British..... | 10 | 11 | 13½ | 14½ | do | 15 40 | 20 30 |
| do 8.... | Cocagne..... | "Kong Oscar," barque. | J. M. Jensen | Norwegian.. | 7 | 8 | 12½ | 13½ | do | 11 20 | 18 00 |
| ..... | do | "Annie Barker," brig. | J. Walsl..... | British..... | 9 | 10 | 13 | 14 | do ..... | ..... | 33 60 |
| ..... | do | "Forest Queen" | P. Blanchfield.. | do | 8 | 9 | 13 | 14 | do ..... | ..... | 40 00 |
| ..... | do | "Village Bell" | — Evans | do | 5 | 6 | 8 | 9 | do | 8 40 | 12 60 |
| ..... | P. E. Island | "Arctic" | — Brisky | do | 9 | 9 | 14 | 14 | do | 12 60 | 19 60 |
| ..... | Cocagne ..... | ..... | — Horn | do | 8 | 8 | 13 | 14 | do | 11 20 | 19 60 |
| ..... | ..... | ..... | ..... | do | 8 | 8 | 13 | 14 | do | 11 20 | 19 60 |

CAMILE DUPREY,
SYLVAIN HEBERT,
EUSTACHE MARTIN, } Pilots.

APPENDIX No. 60.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF MIRAMICHI, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

NEWCASTLE, MIRAMICHI, 31st December, 1878.

SIR,—I have the honor to enclose herewith the Pilotage Returns for the Pilotage District of Miramichi, for the year ending 31st December, 1878.

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

R. R. CALL,
Secretary, Pilotage Commissioners

WILLIAM SMITH, Esq.,
Deputy-Minister of Marine and Fisheries,
Ottawa.

PILOTAGE RETURNS for the District of Miramichi for the calendar year 1878.

| No. of License. | Name of Pilot. | Age. | For what Service Granted. |
|-----------------|------------------------|------|--------------------------------|
| 1 | Joseph Jemmo..... | 64 | Full License for the District. |
| 2 | Louis Jemmo..... | 24 | do |
| 4 | Angus McEachern..... | 59 | do |
| 5 | Mitchell Martin..... | 49 | do |
| 6 | Frank Martin..... | 44 | do |
| 7 | Maxime Martin..... | 33 | do |
| 8 | Alexander Martin..... | 53 | Inwards only. |
| 9 | Angus McLean..... | 45 | Full License for the District. |
| 10 | Alexander Wilson..... | 32 | do |
| 11 | Robert Walls..... | 27 | do |
| 12 | George Savoy..... | 34 | do |
| 13 | Reuben Nowlan..... | 34 | do |
| 14 | John McEachern..... | 28 | do |
| 15 | Charles McLean..... | 39 | do |
| 18 | James Walls..... | 61 | do |
| 19 | William McEachern..... | 34 | do |
| 20 | Oliver Foster..... | 37 | do |
| 21 | Michael Muzerall..... | 53 | do |
| 22 | William Walls..... | 24 | do |
| 23 | William Tait..... | 55 | do |
| 24 | Allan McEachern..... | 44 | do |
| 26 | John McCallum..... | 26 | do |
| 27 | James Nowlan..... | 27 | do |
| 28 | Dudley P. Walls..... | 32 | do |
| 29 | George Sutton..... | 26 | Inwards only. |
| 30 | James A. Nowlan..... | 23 | do |
| 31 | George Tait..... | 21 | do |

R. R. CALL,
Secretary, Pilotage Commissioners

NEWCASTLE, MIRAMICHI, N.B.,
31st December, 1878.

Rates of Pilotage chargeable at this Port, on all vessels, British or Foreign :—

| | |
|---|------------------|
| When inward bound..... | \$2 25 per foot. |
| When outward bound, drawing less than 17 feet.. | 1 75 " |
| Outward bound, drawing 17 feet and upwards... | 2 00 " |

For every vessel taken to sea after the 1st November, a bonus of \$4.

For the removal and mooring of any ship or vessel :—

| | |
|---|--------|
| Vessels not exceeding 100 tons..... | \$1 50 |
| Vessels over 100 and not exceeding 200 tons. | 2 00 |
| Vessels over 200 and not exceeding 300 tons | 3 00 |
| Vessels over 300 tons..... | 4 00 |

And when the distance of removal exceeds four miles, 50 per cent. to be added to the foregoing rates.

Vessels reported inwards :—

| | |
|--------------|-------|
| British..... | 86 |
| Foreign..... | 164 |
| | <hr/> |
| | 240 |

Vessels reported outwards :—

| | |
|--------------|-------|
| British..... | 80 |
| Foreign..... | 161 |
| | <hr/> |
| | 241 |

Total amount of pilotage inward :—

| | |
|--------------|------------|
| British..... | \$2,139 69 |
| Foreign..... | 4,118 42 |
| | <hr/> |
| | \$6,258 11 |

Total amount of pilotage outward :—

| | |
|--------------|------------|
| British..... | \$2,401 04 |
| Foreign..... | 5,078 19 |
| | <hr/> |
| | \$7,479 23 |

R. R. CALL,

Secretary, Pilotage Commissioners.

NEWCASTLE, MIRAMICHI, N.B.

31st December, 1878.

STATEMENT giving the Number of Vessels brought in and taken to Sea by each Pilot and the Amount of Fees received.

| Name of Pilot. | British Vessels Inwards. | | British Vessels Outwards. | | Foreign Vessels Inwards. | | Foreign Vessels Outwards. | | Total Number of Vessels. | Total Amount of Fees Received. |
|------------------------|--------------------------|-------------------------|---------------------------|-------------------------|--------------------------|-------------------------|---------------------------|-------------------------|--------------------------|--------------------------------|
| | No. | Amount of Fees. \$ cts. | No. | Amount of Fees. \$ cts. | No. | Amount of Fees. \$ cts. | No. | Amount of Fees. \$ cts. | | |
| Joseph Jemmo..... | 2 | 51 75 | 4 | 135 88 | 6 | 162 00 | 5 | 141 63 | 17 | 491 26 |
| Louis Jemmo..... | 5 | 127 13 | 1 | 24 50 | 7 | 185 63 | 3 | 97 88 | 16 | 435 14 |
| Angus McEachern..... | 5 | 113 63 | 5 | 142 50 | 3 | 84 38 | 8 | 266 25 | 21 | 606 76 |
| Mitchell Martin..... | 5 | 141 63 | 6 | 201 88 | 7 | 186 75 | 10 | 313 88 | 28 | 844 14 |
| Frank Martin..... | 4 | 104 63 | 6 | 212 88 | 8 | 231 75 | 10 | 304 13 | 29 | 853 39 |
| Maxime Martin..... | 2 | 39 38 | 3 | 8) 50 | 8 | 222 75 | 9 | 303 25 | 22 | 645 88 |
| Alexander Martin..... | 3 | 65 25 | ..... | ..... | 3 | 86 63 | ..... | ..... | 6 | 151 88 |
| Angus McLean..... | 4 | 104 63 | 4 | 130 13 | 7 | 191 25 | 7 | 230 25 | 22 | 636 26 |
| Alexander Wilson..... | 2 | 52 88 | 2 | 61 50 | 6 | 159 75 | 7 | 497 13 | 17 | 497 13 |
| Robert Walls..... | 2 | 52 88 | 3 | 70 88 | 8 | 219 38 | 9 | 305 00 | 22 | 648 14 |
| George Savoy..... | 6 | 159 75 | 4 | 127 50 | 8 | 210 38 | 5 | 144 75 | 23 | 642 38 |
| Reuben Nowlan..... | 4 | 93 38 | 4 | 87 50 | 7 | 195 75 | 9 | 296 88 | 24 | 673 51 |
| John McEachern..... | 6 | 180 09 | 5 | 180 25 | 3 | 76 50 | 3 | 91 88 | 17 | 628 63 |
| Charles McLean..... | 1 | 45 00 | 1 | 39 00 | 1 | 23 38 | ..... | ..... | 3 | 90 51 |
| James Walls..... | 2 | 28 13 | 1 | 81 63 | 3 | 72 00 | 3 | 79 63 | 11 | 278 26 |
| William McEachern..... | 1 | 31 50 | 1 | 40 00 | 7 | 195 75 | 5 | 311 00 | 18 | 578 25 |
| Oliver Foster..... | 3 | 69 75 | 3 | 84 75 | 6 | 146 25 | 5 | 143 38 | 17 | 444 13 |
| Michael Muzerall..... | 1 | 27 00 | ..... | ..... | ..... | ..... | 1 | 36 00 | 3 | 92 95 |
| William Walls..... | 3 | 79 88 | 3 | 91 38 | 3 | 29 25 | 1 | 108 00 | 12 | 361 39 |
| William Tait..... | 3 | 50 63 | 6 | 158 75 | 8 | 82 13 | 3 | 108 00 | 30 | 852 64 |
| Allan McEachern..... | 2 | 45 00 | 4 | 124 38 | 10 | 252 00 | 10 | 306 88 | 26 | 728 26 |
| John McCallum..... | 2 | 49 50 | 1 | 26 25 | 7 | 191 25 | 8 | 255 50 | 18 | 522 50 |
| James Nowlan..... | 7 | 175 50 | 7 | 194 25 | 9 | 186 75 | 9 | 279 13 | 30 | 836 63 |
| Dudley P. Walls..... | 2 | 38 25 | 4 | 104 75 | 7 | 190 13 | 8 | 250 88 | 21 | 584 01 |
| George Sutton..... | 1 | 18 00 | ..... | ..... | 6 | 159 75 | ..... | ..... | 7 | 177 75 |
| James A. Nowlan..... | 3 | 70 88 | ..... | ..... | ..... | ..... | ..... | ..... | 9 | 231 51 |
| George Tait..... | 6 | 123 75 | ..... | ..... | 6 | 162 00 | ..... | ..... | 12 | 285 75 |
| Total..... | 86 | 2,139 69 | 80 | 2,401 04 | 154 | 4,118 42 | 161 | 5,078 19 | 481 | 13,737 34 |

NEWCASTLE, MIRAMICHI, N.B.,
31st December, 1878.

R. R. CALL,
Secretary Pilotage Commissioners.

STATEMENT of Boats and the Tonnage, &c., of each licensed by the Pilotage Authorities, for Year 1878.

| No. | Name. | Tonnage. | Captain's Name. | When Licensed. | When Renewed. |
|-----|---------------------|----------|-----------------------|----------------|----------------|
| 1 | Spray..... | 17-57 | John Brown..... | May, 1875..... | May, 1878..... |
| 2 | Industry..... | 16 00 | Mitchen Martin..... | do | do |
| 3 | Venus..... | 18 00 | George Savoy..... | do | do |
| 6 | Phantom..... | 20 00 | James Walls..... | do | do |
| 7 | Advance..... | 23 00 | Angus McEachern..... | do | do |
| 9 | Whitewing..... | 20 00 | Maxime Martin..... | May, 1876..... | do |
| 11 | May Queen..... | 22-56 | Allan McEachern | May, 1878..... | |
| 12 | Peter Mitchell..... | 26-10 | Joseph Jemmo..... | do | |
| 13 | Two Brothers..... | 25-00 | William Tait..... | do | |
| 14 | Empress..... | 25 59 | Frank Martin..... | do | |

R. R. CALL,

Secretary, Pilotage Commissioners.

NEWCASTLE, MIRAMICHI, N.B.,
31st December, 1878.

RECEIPTS and Expenditure of all money received by or on behalf of the Pilotage Authority in respect of Pilots or Pilotage.

| | | | |
|---|----|--------|------|
| Received from 23 Pilots for renewal of License, \$4.00 each | \$ | 92 00 | cts. |
| do 4 Pilots for new License, \$5.00 each..... | | 20 00 | |
| For renewals of 6 Pilot Boat Licenses, \$5.00 each | | 30 00 | |
| For 4 Pilot Boat Licenses (new) \$10.00 each | | 40 00 | |
| | | 182 00 | |
| Paid John Brown & James Walls, examining applicants for License..... | \$ | 4 00 | |
| Paid James Henderson, surveying and reporting 4 new Pilot Boats, \$5.00 each..... | | 20 00 | |
| Paid Jas. Henderson, reporting on 6 Pilot Boats for renewal of Licenses..... | | 11 20 | |
| Paid W. & J. Anslow, printing account..... | | 1 50 | |
| Paid for New Book..... | | 7 50 | |
| Telegrams and stationery..... | | 122 80 | |
| Amount paid Secretary account services..... | | 182 00 | |

R. R. CALL,

Secretary, Pilotage Commissioners.

WILLIAM PARK,
Chairman.

NEWCASTLE, MIRAMICHI, N.B.,
31st December, 1878.

APPENDIX No. 61.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF RESTIGOUCHE, N.B., FOR THE YEAR ENDED 31ST DECEMBER, 1878.

DALHOUSIE, N.B.,

10th January, 1879.

SIR,—I beg to enclose the Returns of the Pilotage Commissioners for the Pilotage District of Restigouche, trusting the form adopted is as full as necessary.

I am,

Your obedient servant,

DAVID RITCHIE,

Secretary, Pilotage Commissioners.

To WM. SMITH, Esq.,

Deputy Minister of Marine, &c.,
Ottawa.

RETURN of the Pilotage Authority of the District of Resigouche, N.B., for the Year ended 31st December, 1878.

| No | Date. | Rig. | Name. | Port of Registry. | Master. | Whence. | Tonnage. | Crew. | | Rate. | Total. |
|----|---------|-------------|-----------------------|--------------------|---------------------|--------------------|----------|-------|------|---------|--------|
| | | | | | | | | In. | Out. | | |
| | | | | | | | | Ft. | Ft. | | \$ |
| | | | | | | | | | | | cts. |
| 1 | May 1 | Barque | Morning Star..... | Maryport..... | Augustus Fox..... | Maryport..... | 261 | 8 | 9 | 0 70 | 15 40 |
| 2 | do 6 | Brigantine | Marion..... | Belfast..... | Alex. Hay..... | Belfast..... | 193 | 6 | 7 | 0 70 | 12 60 |
| 3 | do 6 | do | Mina..... | St. John, N.B..... | J. Jones..... | Maryport..... | 241 | 7 | 9 | 0 70 | 15 40 |
| 4 | do 9 | Barque | Agatha..... | Norway..... | J. Goverston..... | Norway..... | 533 | 11 | 11 | 0 70 | 20 30 |
| 5 | do 11 | Ship | Annabella..... | St. John, N.B..... | Robert Hyburn..... | Liverpool..... | 844 | 19 | 14 | 1 00 | 35 50 |
| 6 | do 17 | Brig. | Helen Douglass..... | Annan..... | A. Fox..... | Londonderry..... | 239 | 9 | 9 | 0 70 | 16 45 |
| 7 | do 22 | Barque | Timour..... | Liverpool..... | J. Pitt..... | Havre..... | 1330 | 20 | 16 | 22 1 00 | 38 00 |
| 8 | do 22 | do | Umatar..... | Norway..... | J. Borde..... | London..... | 580 | 12 | 12 | 19 0 70 | 21 70 |
| 9 | June 6 | do | Deodota..... | do | do | Norway..... | 600 | 14 | 11 | 16 1 50 | 40 50 |
| 10 | do 11 | do | Chester..... | Lianelly..... | D. Morgan..... | Madeira..... | 200 | 7 | 7 | 11 0 70 | 12 60 |
| 11 | do 14 | do | Olive Mont..... | Liverpool..... | Wm. Sharp..... | Glasgow Dock..... | 583 | 14 | 11 | 1 00 | 26 50 |
| 12 | do 20 | do | Annie Williams..... | do | Wm. Moore..... | Liverpool..... | 512 | 11 | 12 | 19 1 50 | 46 50 |
| 13 | do 25 | do | Vancouver..... | do | W. Wiles..... | Havre..... | 1063 | 17 | 12 | 19 1 00 | 31 00 |
| 14 | do 26 | Barquentine | Eldorado..... | Belfast..... | J. Johnston..... | Belfast..... | 227 | 8 | 9 | 13 1 00 | 22 00 |
| 15 | do 26 | Schooner | Katie..... | Charlottetown..... | A. Nielson..... | P. E. Island..... | 99 | 6 | 6 | 8 1 00 | 14 50 |
| 16 | July 6 | Ship | Governor Langton..... | Liverpool..... | Watson..... | Pictou..... | 1127 | 20 | 14 | 20 1 00 | 34 00 |
| 17 | do 15 | Brigantine | Louisa..... | Charlottetown..... | Henry Ross..... | Madeira..... | 199 | 6 | 7 | 11 0 70 | 12 60 |
| 18 | Aug. 13 | Barque | Morning Star..... | Maryport..... | Augustus Fox..... | Douglas..... | 261 | 8 | 9 | 13 0 70 | 15 40 |
| 19 | do 13 | do | St. Laurence..... | Norway..... | do | Norway..... | 450 | 11 | 12 | 19 1 50 | 46 50 |
| 20 | do 14 | do | Nor..... | do | do | Laurveg..... | 409 | 10 | 11 | 15 1 50 | 39 00 |
| 21 | do 15 | Ship | Annabella..... | St. John, N.B..... | A. Bureger..... | Liverpool..... | 814 | 19 | 11 | 20 1 00 | 34 00 |
| 22 | do 15 | do | Garibaldi..... | Norway..... | J. Ravensburg..... | Cardiff..... | 822 | 19 | 14 | 20 0 70 | 23 80 |
| 23 | do 16 | Brigantine | Marion..... | Belfast..... | Alex. Hay..... | Douglas..... | 261 | 8 | 9 | 13 0 70 | 15 40 |
| 24 | do 25 | Barque | Sofaw..... | Norway..... | do | Norway..... | 300 | 8 | 10 | 14 1 50 | 36 00 |
| 25 | do 25 | Schooner | Rose of Arichat..... | Arichat..... | James Farrel..... | Charlottetown..... | 120 | 6 | 8 | 12 1 00 | 20 00 |
| 26 | Sept. 3 | Barque | Jorge..... | Norway..... | H. Larson..... | Norway..... | 689 | 13 | 14 | 19 0 70 | 23 10 |
| 27 | do 14 | do | Olive Mont..... | Liverpool..... | W. Sharp..... | Liverpool..... | 583 | 14 | 11 | 15 1 00 | 26 50 |
| 28 | do 16 | do | Pontecona..... | Norway..... | J. C. Pederson..... | do | 526 | 14 | 12 | 19 0 70 | 21 70 |
| 29 | do 27 | Brig | Rambler..... | Liverpool..... | James McNeil..... | do | 281 | 8 | 9 | 13 1 00 | 22 00 |

Rate of pilotage for Jacquet River and River Benjamin \$0 70
do Dalhousie 1 00
do Oak Bay 1 50

List of Pilots, District of Restigouche, N.B.

| Pilots. | Age. | Services. | Licenses. | Pilot Boat. | Total. |
|----------------------|------|----------------|-----------|-------------|---------|
| | | | \$ cts. | \$ cts. | \$ cts. |
| William Esligar..... | 51 | Piloting | 5 00 | 5 00 | |
| Andrew Esligar..... | 49 | do | 5 00 | 5 00 | |
| Robert McNeil..... | 34 | do | 5 00 | } 5 00 | |
| Donald McNeil..... | 39 | do | 5 00 | | |
| | | | | | 35 00 |

ROBERT MOFFAT,
Chairman.

DAVID RITCHIE,
Secretary.

Restigouche Pilotage Commissioners Dr. in account with D. Ritchie, Secretary.

1878.—To printing and services..... \$35 00

ROBERT MOFFAT,
Chairman.

DALHOUSIE, 9th January, 1879.

APPENDIX No. 62.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF RICHIBUCTO, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

RICHIBUCTO, N.B., 15th February, 1879.

SIR,—I have the honour to forward the foregoing Returns of the Pilotage authority of Richibucto District for 1878.

A complaint having been against John Long, one of the pilots of this port by Captain H. A. T. Neilson, of the barque "Draupner," of Kragero, Norway, that his vessel while under the charge of Pilot Long grounded in entering the harbour on the morning of 24th May last, and sustained damage, the full Board of Commissioners met and held an investigation.

Robert Hutchinson, Esq., barrister, Norwegian Consul for the port, conducted the case for the captain, whose statements with those of the first officer; Mr. Thomas Jardine, shipbuilder; pilots, John Long, George Long, Michaud, McNeil and Richard, and the Harbour Master, were heard.

The conclusion arrived at was that the accident occurred not from carelessness or incompetency on the part of Pilot Long, who is one of the oldest and most successful pilots of the port, but from the following causes:—

1st. The farewell or outer buoy had not been placed on account of the great quantity of drift ice outside.

2nd. The weather was so rough that morning as to prevent the pilot from seeing the Spar Buoy on the Bar.

3rd. It appeared that in the absence of the buoys the pilot had sometimes been guided by the wreck of the "Margaret Hatfield" which lay on the south beach in a direct line with the channel at the entrance. This morning the water covered up the wreck, but a small camp had been put up near the place by fishermen the night before, which he mistook for part of the "Hatfield" and was thus led to take a course too far westward.

It was the opinion of the Pilotage Commissioners that the buoys should be placed down earlier and left later, even at the risk of losing a buoy or two occasionally by ice, and that the Harbour Master should apply for a set of spare buoys to be kept to replace any carried away. They are pleased to find that beacon lights are being erected on the south beach, which, *if properly placed*, will prevent mishaps like that which befel the "Draupner," besides being invaluable to fishermen and coasters wishing to enter during the night, and of great service during autumn, when the best tides are at night to deep laden vessels going over bar.

I am directed to mention an obstruction which at present is in the channel, opposite Jardine's shipyard, within the pilotage limits, in the hope that steps may be taken for its removal. A sunken schooner broke adrift from the flats off Richibucto town, and drove up the harbour to its present position, a few feet of the top of the masts are above water. She is directly opposite Messrs. Jardine's building berth, and will be in the way of the new vessel being launched, and will prove a source of trouble and expense to vessels if left where she is, as the ice will probably break off the masts and the nuisance become greater.

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

W. J. SMITH,
Secretary to the Pilotage Authority at Richibucto.

To WILLIAM SMITH, Esq.,
Deputy Minister of Marine, &c.,
Ottawa.

PILOTAGE RETURNS for the District of Richibucto, N.B., for the year ended 31st December, 1878.

| <i>Pilots.</i> | <i>Age.</i> | <i>Licensed.</i> |
|------------------------|-------------|--|
| George Irving..... | 72 | } To Pilot any vessel within the Pilotage District of Richibucto. |
| John Long..... | 62 | |
| Samuel Richard..... | 58 | |
| Thomas Michaud..... | 55 | |
| Sylvano Richard..... | 46 | |
| Joseph McNeil..... | 45 | |
| William Irving..... | 43 | |
| George Irving, jr..... | 41 | |
| James W. Long..... | 34 | |
| George H. Long..... | 33 | |
| Henry D. Irving..... | 32 | |
| William H. Long..... | 27 | |
| Albert Long..... | 27 | |

Rates of Pilotage.

District of Richibucto :—

Inward or Outward, \$1.50 per foot.

Up River District :—

Upward or Downward, \$1.00 per foot.

For the removal of any ship or vessel, and seeing the same properly moored :—

- \$1.50 for vessels not exceeding 100 tons.
- \$2.00 " over 100 tons and not exceeding 200 tons.
- \$3.00 " " 200 " " 300 "
- \$4.00 for all vessels over 400 tons.

Vessels inward and outward at the port of Richibucto :—

| | |
|---------------------------|----|
| British and Colonial..... | 28 |
| Foreign..... | 19 |
| | 47 |

Amounts collected by Pilots for Pilotage :—

| | |
|--|------------|
| From British and Colonial vessels..... | \$1,050 00 |
| From Foreign vessels..... | 712 50 |
| | \$1,762 50 |

Collected by Commissioners :—

| | |
|--|---------|
| Balance on hand 31st December, 1877..... | \$20 00 |
| 13 Licenses..... | 26 00 |
| | \$46 00 |

Expenditure :—

| | |
|--|---------|
| Paid W. J. Onslow, printing licenses and regulations..... | \$7 25 |
| Postage and stationery 75 cents, 1 sheet parchment 75 cents..... | 1 50 |
| | \$8 75 |
| | \$37 25 |

W. J. SMITH,
Secretary.

Richibucto, N.B., 15th February, 1879.

APPENDIX No. 63.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF GREAT AND LITTLE BRAS D'OR LAKES, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

1. LICENSED PILOTS.

| No. | Name. | Residence. | Age. | Amount Received by Each. | Remarks. |
|-----|---------------------------|--------------------|-------|--------------------------|-------------------|
| | | | | \$ cts. | |
| 2 | Archibald Livingston..... | Big Bras d'Or..... | 29 | ..... | Did not act. |
| 4 | John Connell..... | Cape Dauphin..... | 47 | 54 00 | |
| 5 | Daniel Ryan..... | do | 50 | 31 00 | |
| 7 | Thomas Connell..... | do | 21 | ..... | No Return. |
| 9 | William Carey | Big Bras d'Or..... | 29 | ..... | Left the country. |
| 10 | Neil McLean | Baddeck..... | 67 | 89 00 | |
| 11 | John McLeod..... | do | 53 | 60 00 | |
| 12 | William Kidston, Jr..... | do | 40 | 19 50 | |
| | | Total..... | ..... | 253 50 | |

2. CERTIFICATED MASTERS WHO ACT AS PILOTS.

| No. | Name and Residence. | Vessel. | Tons. |
|-----|------------------------------|----------------------------------|-------|
| 1 | James McDonald, Baddeck..... | Master schooner "Anne Jane"..... | 103 |
| 2 | Hector McLean, do | do "W. C. Silver"..... | 106 |

3. The services for which Pilots were licensed : "To undertake the pilotage of vessels of every description within and throughout the pilotage district of the Great and Little Bras d'Or Lakes."

4. Services for which Masters were certified : "To undertake the pilotage of the vessel named in his certificate, and of any vessel of her class for which he may be acting as Master or Mate at the time, but no other, within or throughout the limits of the pilotage district of the Great and Little Bras d'Or Lakes."

5. The pilotage dues for the time being in force are as set forth in the scale hereunto annexed.

6. As we have no pilotage fund, each Pilot takes what he earns.

Amount received for licensing Pilots for the year, \$35.00.

Amount paid Secretary for the year, \$17.50.

All of which is respectfully submitted.

JOHN A. FRASER, }
D. MORRISON, }
WM. McDONALD, } *Commissioners of Pilots.*

BRAS D'OR, VICTORIA COUNTY,
NOVA SCOTIA, 31st December, 1878.

SCALE of Pilotage Fees for the Pilotage District of Bras d'Or, Cape Breton.

| Tonnage of Vessels each way. | Bras d'Or. | Plaster Harbour. | Baddeck. | Whycoco- mah. | East Bay. | Little Bras d'Or. | West Bay. |
|---------------------------------|------------|---------------------|----------|------------------|-----------|----------------------|-----------|
| | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| 80 to 100 | 3 | 5 | 7 | 11 | 10 | 8 | 11 |
| 100 to 150 | 4 | 6 | 9 | 12 | 11 | 10 | 13 |
| 150 to 200 | 5 | 8 | 10 | 14 | 13 | 12 | 14 |
| 200 to 250 | 6 | 8 | 12 | 16 | 16 | 13 | 16 |
| 250 to 300 | 7 | 9 | 13 | 16 | 16 | 14 | 17 |
| 300 to 350 | 8 | 10 | 13 | 18 | 17 | 16 | 18 |
| 350 to 400 | 9 | 12 | 14 | 19 | 18 | 17 | 19 |
| 400 to 450 | 10 | 12 | 14 | 20 | 19 | 17 | 20 |
| 450 to 500 | 11 | 14 | 15 | 22 | 20 | 17 | 22 |
| 500 to 600 | 11 | 14 | 15 | 24 | 22 | 18 | 23 |
| 600 to 700 | 12 | 15 | 18 | 26 | 24 | 19 | 25 |
| 700 to 800 | 13 | 16 | 20 | 28 | 26 | 20 | 28 |

St. Anns the same pilotage fee as Plaster Harbour.

And River Dennis the same pilotage fee as Whycocomah.

JOHN A. FRASER,
DONALD MORRISON, } *Commissioners of Pilots.*
WM. McDONALD,

PRIVY COUNCIL CHAMBER,

OTTAWA, 12th April, 1878.

I hereby certify that the foregoing by-laws and regulations were this day approved by His Excellency the Governor General in Council.

W. A. HIMSWORTH,

Clerk Privy Council.

APPENDIX No. 64.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

OFFICE OF COMMISSIONERS OF PILOTS,
HALIFAX, N.S., 11th January, 1879.

SIR,—In compliance with the law, I herewith have the honour to transmit the Annual Returns of the Pilotage Authority for the District of Halifax, N.S., as follows:—

- Return of vessels, inwards, British and foreign.
- Return of vessels, outwards, British and foreign.
- Statement of receipts and disbursements.
- Scale of pilotage dues.
- List of licensed pilots.

I have the honour to be, Sir,

Your obedient servant,

FRED. D. CORBETT,

Secretary and Treasurer

WILLIAM SMITH, Esq.,

Deputy Minister of Marine and Fisheries,
Ottawa.

STATEMENT of Receipts and Disbursements from 1st January, 1878, to 31st December, 1878.

| RECEIPTS. | | \$ | cts. | \$ | cts. |
|---|--|--------|-------|----|-----------|
| By Amount collected, Inward and Outward Pilotage, net..... | | 12,346 | 56 | | |
| Received for Renewals and Bonds | | | 184 | 00 | |
| do Commission on earnings to defray expenses of office..... | | | 522 | 22 | |
| do Superannuation Fund | | | 208 | 45 | |
| | | | | | 13,261 23 |
| EXPENDITURE. | | | | | |
| To Amount paid Pilots as per Receipt Book..... | | 10,790 | 04 | | |
| Expenses account, office rent, Secretary's salary, printing, fuel, etc..... | | | 1,922 | 56 | |
| Cash on hand this date | | | 548 | 63 | |
| | | | | | 13,261 23 |

E. & O. E.

FRED. D. CORBETT,
Secretary and Treasurer.

RETURN of Vessels entered Outwards, at the Port of Halifax, N.S., from 1st January to 31st December, 1878, subject to compulsory pilotage dues.

BRITISH.

| Schooner. | Brigantine. | Brig. | Barque. | Ship. | Steamer. | Tonnage. | Amount of Dues. |
|-----------|-------------|-------|---------|-------|----------|----------|---------------------|
| 4 | 15 | 5 | 40 | 6 | 193 | 271,394 | \$ cts. 2,762 72 |

FOREIGN.

| | | | | | | | |
|---|----|---|----|---|-----|---------|----------|
| 3 | 3 | 1 | 19 | 1 | 95 | 89,933 | 808 10 |
| 7 | 18 | 6 | 59 | 7 | 288 | 361,327 | 3,570 82 |

E. & O. E.

FRED. D. CORBETT,

Secretary and Treasurer.

RETURN of Vessels entered Inwards, at the Port of Halifax, N.S., from 1st January, to 31st December, 1878, subject to compulsory pilotage dues.

BRITISH.

| Schooner. | Brigantine. | Brig. | Barque. | Ship. | Steamer. | Tonnage. | Amount of Dues. |
|-----------|-------------|-------|---------|-------|----------|----------|---------------------|
| 131 | 189 | 5 | 44 | 5 | 178 | 320,140 | \$ cts. 7,039 70 |

FOREIGN.

| | | | | | | | |
|-----|-----|---|----|---|-----|---------|----------|
| 49 | 4 | 3 | 21 | 2 | 79 | 85,568 | 1,736 04 |
| 180 | 193 | 8 | 65 | 7 | 257 | 405,708 | 8,775 74 |

E. & O. E.

FRED. D. CORBETT,

Secretary and Treasurer.

Scale of Pilotage Dues for the Port of Halifax, N.S. :—

| | Inwards. | Outwards. |
|-------------------------------------|----------|-----------|
| Vessels of 200 tons and under | \$8 00 | \$5 00 |
| do 200 to 300..... | 11 00 | 7 00 |
| do 300 to 400..... | 14 00 | 9 00 |
| do 400 to 500..... | 16 00 | 10 00 |
| do 500 to 600..... | 18 00 | 11 00 |

Over 600 tons an additional fifty cents for every 100 tons (or fractiona part thereof) above 600 tons, inwards; and twenty-five cents, outwards.

Outward pilotage for all vessels of 200 tons and upwards to be compulsory.

Ships of Her Majesty's navy and all ships of war, when taking a pilot, to pay the same rates of pilotage as merchant vessels.

All vessels laden with coal from coal ports in the Province of Nova Scotia, being over 80 tons and under 250 tons register tonnage, shall pay one-half the tariff rates if spoken by a pilot, and his services are not accepted, but any such vessel taking a pilot voluntarily shall pay full tariff rates.

FRED. D. CORBETT,

Secretary and Treasurer.

LIST of Pilots for the Port of Halifax, N.S., 1878.

| Number. | Name. | Residence. |
|---------|--------------------------|------------------|
| 1 | John Fleming | Ketch Harbour. |
| 2 | Thomas Holland | Duncan's Cove. |
| 3 | James Holland | do |
| 4 | William Baker | Halifax. |
| 5 | Bernard Gallagher | do |
| 6 | Daniel Martin | Ketch Harbour. |
| 7 | Joseph Rhino | Herring Cove. |
| 8 | Patrick Hayes | do |
| 9 | Hugh Munro | do |
| 10 | Jeremiah Holland | Duncan's Cove. |
| 11 | Edward Bayers | Ketch Harbour. |
| 12 | James Hanrahan | Ferguson's Cove. |
| 13 | William Beazley | do |
| 14 | John Hayes | Herring Cove. |
| 15 | Timothy Saul | Upper Prospect. |
| 16 | Thomas Beazley | Ferguson's Cove. |
| 17 | Charles Glazebrook | do |
| 18 | Richard O'Neil | Portuguese Cove. |
| 19 | William Smith | Ferguson's Cove. |

FRED. D. CORBETT.

Secretary and Treasurer.

APPENDIX No. 65.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF THE COUNTY OF HANTS, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

WINDSOR, February th, 1879.

SIR,—The Pilotage Authority of the Pilotage District of the County of Hants, N.S., have the honour to transmit their returns for the past year.

PILOTAGE RETURNS for the District of the County of Hants, N.S., for the year ending 31st December, 1878.

| Name. | Residence. | Age. |
|------------------------|---------------------|------|
| 1. James Chandler..... | Windsor..... | 37 |
| Charles L. Card..... | Chiverie..... | 48 |
| Thomas Murphy..... | Chiverie..... | 54 |
| Leonard Martin..... | Mount Dennison..... | 63 |

2. Certificates—Masser or Mates, none.

3. Services for which pilots were licensed : To undertake the pilotage of vessels of every description within and throughout the Sub-Division No. 1, in the Pilotage District of the County of Hants.

4. There has been no pilots licensed for Sub-Division No. 2.

Owing to the closing of navigation about the time of the licensing of the pilots, no work has been performed by them, and they will not enter upon their duties until on or about the first of April next.

RATES OF PILOTAGE FOR THE COUNTY OF HANTS.

Sub-Division No. 1.

| | |
|--------------------------------------|-------------------|
| 1st Station, Inward and Outward..... | 40 cents per foot |
| 2nd do do do | 20 do |
| 3rd do do do | 40 do |
| 4th do do do | 40 do |
| 5th do do do | 40 do |

Sub-Division No. 2.

| | |
|--------------------------------------|--------------------|
| 1st Station, Inward and Outward..... | 40 cents per foot. |
| 2nd do do do | 20 do |
| 3rd do do do | 40 do |
| 4th do do do | 40 do |

JAMES S. WILEY,
Secretary-Treasurer.

Amounts received by Commissioners, 1878:—

| | |
|--|---------|
| Four licenses and regulations to pilots..... | \$40 00 |
| Four bonds to pilots and filling up | 4 00 |
| Two licenses to pilot boats..... | 10 00 |
| | <hr/> |
| | \$54 00 |

Charges:—

| | |
|---|---------|
| Paid for printing by-laws and Act, and blank..... | \$25 00 |
| Paid for consultation and advice, and making by-laws and postage and stationery..... | 15 00 |
| Paid for surveying and reporting on two pilot boats..... | 6 00 |
| Examining four applicants for licenses..... | 8 00 |
| | <hr/> |
| | \$54 00 |

E. O. Excepted.

JAMES S. WILEY,
Secretary-Treasurer.

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

APPENDIX No. 66.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
 PICTOU, NOVA SCOTIA, FOR THE CALENDAR YEAR ENDED 31ST
 DECEMBER, 1878.

Pictou, N.S., 6th January, 1879.

SIR.—The Pilotage Authority for Pictou District have the honour to submit the
 Pilotage Returns in duplicate for the past year.

We have the honour to be, Sir,

Your most obedient servants,

| | |
|--------------------|----------------------|
| R. P. GRANT, | } Pilotage Authority |
| J. A. GORDON, | |
| JAMES D. MCGREGOR, | |
| A. J. PATTERSON, | |
| DANIEL McDONALD, | |

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, 1878, as required by Section 24 of Chap. 54, 36 Vict., entitled "An
 Act respecting Pilotage."

LICENSED PILOTS.

| Name. | Residence. | Age. |
|----------------------|-------------------|------|
| Robert Powell..... | Boat Harbour..... | 77 |
| A. Thos. Powell..... | do | 60 |
| James Fraser..... | Pictou..... | 47 |
| Bryant Rodgers..... | do | 43 |
| Wm. A. Cooke..... | do | 40 |
| Angus McDonald | do | 39 |
| Henry H. Powell..... | Boat Harbour..... | 32 |
| Charles Cooke..... | Pictou..... | 33 |
| Geo. W. Powell..... | Boat Harbour..... | 27 |
| Daniel J. Smith..... | Pictou..... | 27 |
| John R. Powell..... | Boat Harbour..... | 30 |
| Wm. Munro..... | Pictou..... | 48 |
| Daniel McLeod..... | do | 37 |
| Ronald McDonald..... | do | 52 |
| Allan McDonald..... | do | 25 |

Certificated Masters and Mates:—

Daniel Hedge, Master, Steamship "Worcester."
 S. E. Wright, Master, Steamship "Carroll."
 Amabel Bacquet, Master, Steamship "Miramichi."
 Mates—none.

Services for which Pilots were licensed—

To undertake the pilotage of vessels of every description within and throughout the Pilotage District of Pictou.

The Pilotage dues, for the time being, in force are as follows:—

| | | Inwards. | Outwards. |
|---------------------------------------|--|----------|-----------|
| Vessels of 80 and under 150 tons..... | | \$ 6 00 | \$ 4 00 |
| do 150 do 300 do | | 10 00 | 8 00 |
| do 300 do 400 do | | 12 00 | 8 00 |
| do 400 do 500 do | | 14 00 | 9 00 |
| do 500 do 600 do | | 15 00 | 10 00 |
| do 600 do 800 do | | 16 00 | 11 00 |
| do 800 do 1,000 do | | 17 00 | 12 00 |

And all vessels under 80 tons 5 cents per ton inward, and 4 cents per ton outward.

All steamers to be rated at net tonnage.

All vessels bound inwards, not requiring the services of a pilot, shall pay half pilotage to any pilot offering his services.

All vessels over 150 tons, bound out, and not requiring the services of a pilot, shall pay half pilotage to the Pilot Fund.

5. Total amount received for pilotage dues \$3,028 61

Of the above—

Received from British ships..... \$2,807 56
do Foreign do 221 05

\$3,028 61

Of the above total—

Received from sailing vessels \$1,745 46
do steamships..... 1,283 15

\$3,028 61

6. Receipts and Expenditures of all money received by or on behalf of the Pilotage Authority in respect of Pilots or Pilotage.

RECEIPTS.

| | |
|--------------------------------------|-------------------|
| From 15 Pilots for annual bonds..... | \$ 15 00 |
| Pilotage dues as above..... | 3,028 61 |
| Balance in hand from last year..... | 184 25 |
| | <u>\$3,227 86</u> |

EXPENDITURE.

| | |
|--|-------------------|
| Paid Pilots the balance from last year..... | \$ 184 25 |
| Printing bonds, certificates, &c..... | 11 50 |
| Paid Pilots for pilotage..... | 2,812 61 |
| Secretary's salary..... | 100 00 |
| Commissioners attending meetings of Board..... | 50 00 |
| | <u>\$3,158 36</u> |
| Balance in hand..... | \$69 50 |

R. P. GRANT,
J. A. GORDON,
JAMES D. McGREGOR,
A. J. PATTERSON,
DANIEL McDONALD, } Pilotage Authority
for
Pictou District.

APPENDIX No. 67.

REPORT OF PILOTAGE AUTHORITY OF THE PILOTAGE DISTRICT OF PUGWASH, NOVA SCOTIA, FOR THE YEAR ENDING 31ST DECEMBER, 1878.

| Names of Pilots. | Age. |
|---|----------|
| James Seaman (licensed for one year from 1st May, 1878) | 76 years |
| John Seaman..... | 46 " |
| Norman McIver..... | 58 " |
| Joseph O. Read..... | 26 " |
| John Evans..... | 62 " |
| Colin McLean..... | 48 " |

All the above named Pilots are licensed to Pilot vessels of every description within the limits of said district.

Pilotage dues in force :—

| | | |
|-----------------------------------|-------------------------|-----------------|
| Vessels of 80 and under 140 tons, | \$6 00 inward, and | \$5.00 outward. |
| " 140 " 230 " | 8.00 " | 7.00 " |
| " 230 " 300 " | 10.00 " | 9.00 " |
| " 300 " 400 " | 14.00 " | 12.00 " |
| " 400 " 500 " | 16.00 " | 14.00 " |
| " 500 " 600 " | 17.00 " | 15.00 " |
| " 600 " 700 " | 18.00 " | 16.00 " |
| " 700 tons and upwards | 3 cents per ton inward. | |
| " 700 " | 2 " | outward. |

On all vessels under 80 tons, 5 cents per ton inward, and 4 cents per ton outward. Steamers employing Pilots to be rated at net tonnage.

Amount of pilotage dues received :—

| | |
|--|----------|
| Dues paid by British ships to the Pilots whose services they required, all classes of ships paying according to the above scale..... | \$543 00 |
| Amount of dues paid by foreign ships to the Pilots who performed the service, same rate of dues as charged to British ships..... | 174 00 |
| Total pilotage dues..... | 717 00 |

Receipts and expenditures of all money received :—

All pilotage dues are paid to each Pilot individually, as earned by them. A license fee of five dollars was paid by Colin McLean, who was licensed in place of Donald McLean, deceased, and applied toward defraying the expenses of the Board.
Respectfully submitted.

A. McDONALD,
PETER McDONALD, } *Commissioners.*
JAMES STEWART,

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

APPENDIX No. 68.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
RICHMOND, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER,
1878.

ARICHAT, December 31st, 1878.

SIR,—In accordance with the law, I have the honor to hand you annexed
Pilotage Returns for the Pilotage District of the County of Richmond, for the year
1878.

I am, Sir, your obedient servant,

CHARLES LENOIR,

Commissioner and Acting Secretary.

To WM. SMITH, Esq.,
Deputy Minister of Marine, &c.,
Ottawa.

PILOTAGE Returns for the County of Richmond for the Year 1878.

| No. | Name. | Age. | For what service Licensed. |
|-----|------------------------|------|----------------------------------|
| 1 | Murdoch Morrison | 34 | Pilotage District of the County. |
| 2 | Robert Richard..... | 33 | do do |
| 3 | Peter Richard | 42 | do do |
| 4 | Docité Richard | 50 | do do |
| 5 | John Godieche | 35 | do do |

Rates of Pilotage for the County of Richmond :—

| | Inwards. |
|------------------------------------|----------|
| Vessels under 100 tons..... | \$ 5 50 |
| Vessels from 100 to 150 tons | 6 50 |
| “ 150 to 200 “ | 7 50 |
| “ 200 to 250 “ | 9 00 |
| “ 250 to 300 “ | 10 00 |
| “ 300 to 350 “ | 11 00 |
| “ 300 to 400 “ | 12 00 |

and for every additional ton or fraction thereof, 75 cents.

Outwards, one-half the above rates.

Steamers taking a pilot shall pay the same as sailing vessels.

Amounts received by Pilots for pilotage for the year 1878 :—

| | |
|----------------------|----------|
| British vessels..... | \$155 75 |
| Foreign " | 38 75 |
| | <hr/> |
| | \$194 50 |

Paid Pilots the full amount of pilotage received, \$194.50.

Amount received by Commissioners, 1878 :—

| | |
|------------------------------|---------|
| Five licenses to Pilots..... | \$50 00 |
|------------------------------|---------|

CHARGES.

| | |
|---|---------|
| Paid Isidore Leblanc, Commissioner, expenses..... | \$16 00 |
| " Victor Labash, " " | 16 00 |
| " Charles Lenoir, Acting Secretary, " | 18 00 |
| | <hr/> |
| | \$50 00 |

CHARLES LENOIR,

Commissioner and Acting Secretary.

ARICHAU, 31st December, 1878.

APPENDIX No. 69.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
SYDNEY, FOR THE CALENDAR YEAR ENDED 31st DEC., 1878.OFFICE OF THE PILOTAGE AUTHORITY OF SYDNEY,
NORTH SYDNEY, C.B., 10th January, 1879.SIR,—I have the honour of transmitting Returns of the Pilotage Authority
of this District, for the year ending 31st December, 1878.

I have the honour to be, Sir,

Your obedient servant,

W. PURVES,

*Chairman and Treasurer.*Wm. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.REPORT OF THE PILOTAGE AUTHORITY, DISTRICT OF SYDNEY,
CAPE BRETON, FOR THE YEAR 1878.The Name and Age of each and every Pilot, &c., for the Ports of Sydney and
North Sydney, are as follows:—

| No. | Name. | Age. | No. | Name. | Age. |
|-----|-------------------------------|------|-----|-----------------------------|------|
| 1 | D. McGillivray..... | 58 | 15 | John Caim | 28 |
| 2 | James Petrie | 58 | 16 | Thomas Towasend..... | 39 |
| 3 | John Curran..... | 51 | 17 | John Brown (second) | 28 |
| 4 | John Brown..... | 55 | 18 | John Mullins | 28 |
| 5 | David Mullins..... | 51 | 19 | Sylvester Shannahan..... | 36 |
| 6 | Peter Madore | 47 | 20 | Andrew Ratchford..... | 34 |
| 7 | D. McGillivray (second) | 59 | 21 | John Fraser..... | 38 |
| 8 | John Carroll..... | 53 | 22 | James McGillivray..... | 28 |
| 9 | Thomas Doyle..... | 60 | 23 | George Townsend | 60 |
| 10 | John Petrie | 48 | 24 | Angus McNeil..... | 25 |
| 11 | Robert Mullins | 56 | 25 | John Daly | 56 |
| 12 | Cornelius Mullins..... | 47 | 26 | Hugh McGillivray..... | 59 |
| 13 | D. McGillivray (third)..... | 50 | 27 | James McGillivray (D.)..... | 33 |
| 14 | William Ratchford | 41 | | | |

For Port of Lingan :—

| No. | Name. | Age. | No. | Name. | Age. |
|-----|---------------------|------|-----|-----------------------|------|
| 1 | Thomas Laffin..... | 59 | 4 | Neil Robertson..... | 26 |
| 2 | Patrick Laffin..... | 41 | 5 | Patrick Young..... | 23 |
| 3 | Richard Hall..... | 38 | 6 | Walter Handrigan..... | 22 |

For Little Glace Bay and Port Caledonia :—

| No. | Name. | Age. | No. | Name. | Age. |
|-----|-----------------------|------|-----|---------------------|------|
| 1 | Hugh Robertson..... | 59 | 5 | Edmond Petrie..... | 36 |
| 2 | Patrick Ryan..... | 41 | 6 | Thomas Lyng..... | 47 |
| 3 | William Healen..... | 49 | 7 | Edward Petrie..... | 41 |
| 4 | Joseph Shannahan..... | 36 | 8 | William McLeod..... | 41 |

The number of Shipmasters licensed at North Sydney were 11; at Lingan, 2, and at Glace Bay, 2.

The rates of Pilotage for this District are the same as last year, and as follows:—

| | To Sydney. | To N. Sydney. |
|----------------------------------|------------|---------------|
| For vessels under 100 tons | \$ 6.00 | \$ 5.00 |
| From 100 to 150 " | 7.00 | 6.00 |
| “ 150 to 200 “ | 8.00 | 7.00 |
| “ 200 to 250 “ | 9.00 | 8.00 |
| “ 250 to 300 “ | 10.00 | 9.00 |
| “ 300 to 350 “ | 11.00 | 10.00 |
| “ 350 to 400 “ | 12.00 | 11.00 |

and for every additional 50 tons or fractional part thereof, \$1. Outward pilotage shall be the same as inward. Vessels upon being hailed by a licensed Pilot outside the limits of the port for which he is licensed and refusing to, or not taking such pilot, shall pay half pilotage inward; and upon being offered the services of a licensed Pilot within twenty-four hours before being ready for sea and refusing the services of such pilot, shall be liable to half pilotage rates outward. Should the services of a pilot so offering be accepted by the Master and afterwards declined, then the vessel shall be liable for full pilotage rates, and any Pilot placed in charge of a vessel by the Master shall be entitled to receive, in addition to full pilotage rates, the sum of \$2 per diem for each day the vessel may be detained while he is waiting on her, through stress of weather or otherwise. Vessels changing ports in this pilotage district shall only be liable for inward pilotage at the port of arrival, unless a Pilot be employed in changing ports, in which case full tariff rates will be charged. Pilots delivering orders outside of port limits, to vessels to proceed elsewhere, shall be entitled to receive full inward and one-half of the outward pilotage from such vessels, and if, in any case, another regular Pilot belonging to the same port be found in charge, the amount of pilotage collected shall be equally divided

between the Pilot in charge and the Pilot delivering orders. Vessels arriving from sea without being spoken inwards by a Pilot, shall be exempt from outward pilotage unless a Pilot be employed. The rates of pilotage from Lingan, Little Glace Bay and Port Caledonia, shall be the same as from North Sydney.

The total number of arrivals at the Port of Sydney paying pilotage, was 16, consisting of—

| | | | |
|---|----------------------|--------------|----------------|
| 3 | Steamers | British..... | Tonnage, 1,350 |
| 4 | “ | Foreign..... | “ 3,600 |
| 8 | Sailing Vessels..... | British..... | “ 3,100 |
| 1 | do | Foreign..... | “ 560 |

Total tonnage 8,610

The amount of pilotage collected at Sydney was as follows:—

| | |
|---------------------------|-----------------|
| From British Vessels..... | \$151.00 |
| Foreign “ | 177.00 |
| Total..... | \$328.00 |

449. The total number of arrivals at the Port of North Sydney paying pilotage was, consisting of:—

| | | |
|------------|-------------------------------|-----------------|
| 45 | Steamers, British..... | Tonnage, 28,753 |
| 334 | Sailing vessels, British..... | 110,473 |
| 70 | do Foreign..... | 32,949 |
| 449 | Total tonnage..... | 172,175 |

The amount of pilotage collected at North Sydney was as follows:—

| | |
|----------------------------|-------------------|
| From British vessels..... | \$5,754 00 |
| From Foreign do | 1,416 00 |
| Total pilotage..... | \$7,170 00 |

7. The total number of arrivals at the Port of South Bar paying pilotage was, consisting of:—

| | | |
|----------|----------------------------|----------------|
| 1 | Steamer, British..... | Tonnage, 1,224 |
| 6 | Sailing vessels, Foreign.. | 707 |
| 7 | Total tonnage..... | 1,931 |

The amount of pilotage collected at South Bar was as follows —

| | |
|-------------------------|---------|
| From British ships..... | \$95 00 |
|-------------------------|---------|

ing of:— The total number of arrivals at Lingan paying pilotage was 34, consist-

| | | |
|-----------|-------------------------------|----------------|
| 28 | Sailing vessels, British..... | Tonnage, 3,883 |
| 6 | do Foreign..... | 1,406 |
| 34 | Total tonnage..... | 5,289 |

The amount pilotage collected at Lingan was:—

| | |
|-----------------------------|-----------------|
| From British vessels | \$247 00 |
| From Foreign do | 88 00 |
| Total pilotage | \$335 00 |

The total number of arrivals at Little Glace Bay paying pilotage consisted of 35 vessels, viz. :—

| | Tonnage. |
|---------------------------------|--------------------------|
| 31 British sailing vessels..... | 6,420 |
| 4 Foreign do | 2,290 |
| 35 | Total tonnage..... 8,710 |

The amount of pilotage collected at Little Glace Bay was :—

| | |
|----------------------------|----------|
| From British vessels | \$341 00 |
| From Foreign do | 96 00 |
| Total pilotage..... | \$440 00 |

The total number of arrivals at Port Caledonia paying pilotage was 115, consisting of :—

| | Tonnage. |
|----------------------------------|---------------------------|
| 109 British sailing vessels..... | 17,691 |
| 6 Foreign do | 2,278 |
| 115 | Total tonnage..... 19,969 |

The amount of pilotage collected at Port Caledonia was :—

| | |
|---------------------------|----------|
| From British vessels..... | \$751 50 |
| From Foreign do | 85 50 |
| Total pilotage..... | \$837 00 |

RECAPITULATION.

| Port. | No. of Vessels. | Tonnage. | Amount. |
|-----------------------|-----------------|----------|------------|
| Sydney..... | 16 | 8,610 | 328 00 |
| North Sydney..... | 449 | 172,175 | 7,170 00 |
| South Bar | 7 | 1,931 | 95 00 |
| Lingan | 34 | 5,289 | 335 00 |
| Little Glace Bay..... | 35 | 8,710 | 440 00 |
| Port Caledonia | 115 | 19,969 | 837 00 |
| | | | \$9,205 00 |

STATEMENT of receipts and disbursements by the pilotage authority of Sydney from 1st January to 31st December, 1878.

RECEIPTS.

| | |
|--|----------|
| North Sydney :—Licenses and bonds, \$81; masters', \$140; boats, \$18 | \$239 00 |
| Lingan :—Licenses, bonds, &c., \$22; masters, \$20..... | 42 00 |
| Glace Bay and Port Caledonia :—Licenses and bonds, &c., \$40; Masters, \$20..... | 60 00 |
| Total pilotage, as per statement..... | 9,205 00 |
| Balance from last year..... | 17 28 |
| Total receipts..... | 9,563 28 |

EXPENDITURE.

| | |
|--|----------|
| Commission paid 6 Collectors..... | \$522 30 |
| Paid Pilots per receipt books | 8,652 70 |
| Secretary and Treasurer | 120 00 |
| Expenses of 5 Commissioners, \$20 each | 100 00 |
| Attorney and Counsel, &c., suit, E. Mahon..... | 25 80 |
| Witnesses and other expenses do | 40 00 |
| Printing and stationery, &c..... | 53 00 |
| Balance on hand | 19 48 |
| | 9,563 28 |

W. PURVES,

Chairman and Treasurer.

NORTH SYDNEY, C.B., January 10th, 1879.

List of Masters licensed by the Pilotage Authority of Sydney, C.B., from the following Ports, during the year 1878, with the names of the vessels.

FROM NORTH SYDNEY.

| Name. | Port of Registry. | Name of Ship. |
|----------------------|-------------------|-------------------------------|
| J. A. Angrove..... | Halifax | Steamship "George Shattuck." |
| J. A. McMaster..... | Montreal | do "Venezia." |
| J. M. Crane | Parrsboro' | Brigantine "J. L. Stewart." |
| A. A. Terrio | Arichat | do "Milo." |
| D. Anderson | Montreal | Steamship "Valetta." |
| J. Ormiston | Sydney | Schooner "Matilda Hopewell." |
| T. Desmond | do | Bark "Lothair." |
| W. G. Ormiston | do | Schooner "Charles Valentine." |
| R. Griffin..... | Halifax | do "Bonnabelle." |
| H. McEachern..... | do | do "W. H. Hatfield." |
| H. Puvor | Arichat..... | Brigantine "Gen. Pellissier." |

FROM LINGAN.

| | | |
|-------------------|--------------|-----------------------|
| N. McDonald | Sydney | Brigantine "Seaside." |
| W. Townsend..... | Halifax..... | do "Leader." |

FROM GLACE BAY.

| | | |
|------------------|--------------|---------------------------|
| E. Farrell..... | Sydney | Schooner "Four Brothers." |
| G. O'Leary | Halifax..... | do "Freedom." |

W. PURVES,

Chairman, Pilotage Authority.

NORTH SYDNEY, C.B., 19th February, 1879.

PILOTAGE Returns, Cascumpec, P.E.I., for the Year ending 31st December, 1878.

| Name. | Age | Service. | Amount Received. | Remarks. |
|------------------------------|------|----------------|----------------------------------|---|
| John Champion..... | 38 | Cascumpec..... | \$ cts. B. 174 00 F. 30 00 | All Pilots licensed to Pilot in Cascumpec Harbor and rivers adjacent. |
| Total..... | | | 204 00 | |
| George Wells } Partners..... | { 48 | do | B. 77 00 | |
| Robert Wells } | { 58 | do | F. 57 00 | |
| Total..... | | | 134 00 | |
| William Skerry..... | 36 | do | B. 47 00 | |
| Peter Gallant..... | 34 | do | B. 62 00 | |
| John McIntyre..... | 52 | do | | |
| Total..... | | | 447 00 | |
| James Wells..... | | | | Drowned in November. |

JAMES F. WHITE,
Pilotage Commissioner.

CASCUMPEC, P.E.I., 31st December, 1878.

APPENDIX No. 70.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF NEW LONDON, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

STANLEY BRIDGE, 2nd January, 1879.

SIR,—The Pilotage Authority for the District of New London, P.E.I., beg leave to report, in accordance with the provisions of the Act 36 Vic., Chap. 54, Sec. 24, for the year ending 31st December, 1878.

1. Pilots names and ages :—

| Name. | Age. |
|-----------------------------------|----------------|
| Johnathan McLeod..... | About 43 years |
| John McKay ("Northern Light").... | " 40 " |
| George Andrew Bell..... | " 35 " |

2. The service for which each Pilot is licensed is for ports in New London, in and out.

3. Pilotage dues for the time being in force as per scale published in *Royal Gazette* of 13th July, 1878.

4. The amount received and paid to Pilots for pilotage dues amounted to :—

| | |
|----------------------|----------|
| British vessels..... | \$113 50 |
| Foreign " | 45 00 |

One square-rigged brig and coasting schooner.

5. No money received by Pilotage Authority, the pilotage dues being collected by Pilots.

| | |
|---|-----------------------|
| JAMES A. McKIE, GEORGE BELL, JAS. SQUAREBORG, JOHN JOHNSON, GEO. A. McLEOD, | } Pilotage Authority. |
|---|-----------------------|

JAMES SQUAREBORG.

Secretary, Pilotage Authority.

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

APPENDIX No. 71.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
BRITISH COLUMBIA, FOR THE CALENDAR YEAR ENDED 31st
DECEMBER, 1878.

PILOTAGE AUTHORITY,

VICTORIA, B.C., 10th January, 1879.

SIR,—I have the honour to transmit herewith the returns required under Section 24 of the "Canadian Pilotage Act," as far as the first three clauses are concerned.

The information required in Clauses 4 and 5 was only arrived at very late last evening, and will be audited, signed by the Commissioners, and forwarded by the mail, *via* Puget Sound, on Monday next.

I have the honor to be, Sir,

Your most obedient servant,

EDGAR CROW BAKER,

Secretary

To the Honourable

The Minister of Marine and Fisheries,

Ottawa.

RETURNS by the British Columbian Pilotage Authority to 31st December, 1878.
(Vide "Canadian Pilotage Act, 1873, p. 212, Cap. 54, Sec. 24.)

LICENSED PILOTS.

| No. of License. | Date of Issue. | Seniority as Pilot. | Name. | Age. | Remarks. |
|-----------------|-------------------|---------------------|------------------------|------|------------------------------|
| 1 | April 1, 1877... | Aug. 10, 1870... | John Sabiston | 49 | Passed under Old Board. |
| 2 | do 1, 1877... | Jan. 9, 1873... | James McIntosh..... | 50 | do do |
| 3 | do 1, 1877... | June 9, 1873... | James Ramsey | 48 | do do |
| 4 | do 1, 1877... | Dec. 10, 1874... | Frederick Revely..... | 40 | do do |
| 5 | March 29, 1877... | March 8, 1876... | George Rudlin..... | 43 | Comm'r. steamer "Maude." |
| 6 | do 29, 1877... | do 8, 1876... | William Scott..... | 39 | Passed under New System. |
| 7 | April 1, 1877... | June 13, 1876... | John Ramsay | 41 | do do |
| 8 | do 1, 1877... | July 7, 1876... | James Christensen..... | 38 | do do |
| 9 | June 21, 1877... | June 21, 1877... | William Ettershank.... | 36 | do do |
| 10 | March 4, 1878... | March 4, 1878... | Robert Hicks..... | 48 | Confirmed 30th Sept., 1878. |
| 11 | June 8, 1878... | June 8, 1878... | Peter Holmes | 58 | 6 months' probation (spare.) |
| 12 | Dec. 4, 1878... | Dec. 4, 1878... | John Thompson..... | 29 | do as Master "Carolina." |

REMARKS.

No apprentices employed up to 31st December, 1878. No applications.
No acting pilots, save Messrs. Holmes and Thompson, included in above return.
No person acting under the Pilotage Authority without license or authority.
The licenses of Frederick Revely and James Ramsey were suspended for 12 months each, from the 21st November, 1877, and 7th August, 1878, respectively. Mr. Ramsey has since commanded the steamer "Wilson G. Hunt" (temporary certificate). Mr. Revely has since resigned his position as a British Columbia Pilot (16th December, 1878).
For list of certificated Masters and Mates, See Return No. 3.

EDGAR CROW BAKER,

Secretary, P.A.

VICTORIA, B.C.,

9th January, 1879.

RETURNS to 31st December, 1878, Sec. 24, Cap. 2.

| No. of License. | Seniority as Pilot. | Name. | Age. | Service. |
|-----------------|---------------------|--------------------------|------|--|
| 1 | Aug. 10, 1870..... | John Sabiston | 49 | From the shores of Washington Territory to the northern boundary of the Province, which includes the harbours of Victoria, Esquimalt, Burrard Inlet, Nanaimo, Bayne's Sound, (Port Augusta) and Caviehan (as also the navigable waters between same), Fraser and Skeene Rivers, the Straits of Juan de Fuca, Haro and Rosario. |
| 2 | Jan. 9, 1873..... | James McIntosh..... | 50 | |
| 3 | June 9, 1873 | James Ramsey | 48 | |
| 4 | Dec. 10, 1874..... | Frederick Revely | 40 | |
| 5 | March 8, 1876 | George Rudlin | 43 | |
| 6 | do 8, 1876..... | William Scott..... | 39 | |
| 7 | June 13, 1876..... | John Ramsay. | 41 | |
| 8 | July 7, 1876..... | James Christensen..... | 38 | |
| 9 | June 21, 1877..... | William Ettershank. | 36 | |
| 10 | March 4, 1878..... | Robert Hicks | 48 | |
| 11 | June 8, 1878 | Peter Holmes | 58 | |
| 12 | Dec. 4, 1878..... | John Thompson..... | 29 | Victoria and Esquimalt only. |

REMARKS.

The service for which every Pilot is licensed by the British Columbia Pilotage Authority is the entire district, with its harbours and rivers, from Cape Flattery to the mouth of the Skeene River, but is more generally understood to mean from Royal Roads (which is free to all) to the harbours for loading coal and lumber. viz : Nanaimo and Burrard Inlet, through the accepted navigable channels, a pilotage distance of some 85 miles ; also, of course, Fraser River to New Westminster, Victoria and Esquimalt Harbours, the latter being now free to vessels seeking either charter or shelter, provided they do not discharge or receive cargo (Feb., 1878). Pilots on board "Carolina" cruise off Albert William's Harbour and Race Rocks.

EDGAR CROW BAKER,

Secretary, P. A.

VICTORIA, B.C.,

9th January, 1879.

LIST of Certificated Masters.

| No. | Name. | Date. | Vessel. | Rank. | Limit. |
|-------|--------------------|----------|---------------------|--------|--------------------------------------|
| 1877. | | | | | |
| 1 | McCulloch, William | March 28 | Otter .. | Master | Entire District. |
| 2 | Lewis, Herbert G | do 29 | Enterprise..... | do | do |
| 3 | Rudlin, George | do 29 | Maude..... | do | do |
| 4 | Smith, Henry | do 29 | Etta White..... | do | do |
| 5 | Morrison, Daniel | do 29 | Isabel .. | do | do |
| 6 | Holmes, Peter | do 30 | Cariboo Fly..... | do | do |
| 7 | Hayes, John | do 30 | Grappler..... | do | do |
| 8 | Clancey, Chas. E. | do 30 | North Pacific..... | do | Puget Sound to Victoria. |
| 9 | Pamphlet, Thomas | May 22 | Bonanza..... | do | Lower District. |
| 10 | Irving, John | do 28 | Reliance .. | do | Fraser River to Victoria. |
| 11 | Luckey, George | July 3 | Black Diamond .. | Mate | Nanaimo to Victoria, &c. |
| 12 | Gardiner, James A. | Aug. 8 | Pilot .. | Master | Nanaimo and Puget Sound. |
| 13 | Warren, John D | Oct. 15 | Beaver .. | do | Nanaimo, Burrard Inlet and Victoria. |
| 1878. | | | | | |
| 14 | Marchant, George | April 2 | Unemployed..... | Mate | Lower District. |
| 15 | Stothard, Thomas | July 19 | Olympia .. | Master | Victoria, Esquimalt and P. Sound. |
| 16 | Ramsey, James | Aug. 22 | Wilson J. Hunt..... | do | Entire District (temporary). |
| 17 | Urquhart, Donald | Dec. 7 | Alexander..... | do | All, except Rivers. |

REMARKS.

Captain Morrison has been transferred from the "Maude" to "Isabel."
 Captain Rudlin do do "Cariboo Fly" to "Maude."
 Captain Holmes do do "Cariboo Fly" to Pilot Service.
 Captain Gardiner do do "Isabel" to "Pilot."
 Captain Irving do do "Royal City" to "W. J. Hunt."
 Captain Lewis do do "Enterprise" to "Olympia."
 Steamer "Olympia" having been purchased by the Hudson Bay Company now takes the place of the "Enterprise" during winter months.

STEAMBOAT SERVICE.

"Otter" runs between Victoria, Sitka, Wrangel, Fort Simpson, &c.
 "Enterprise" and "Olympia," between Victoria and New Westminster.
 "Maude" and "Cariboo Fly," between Victoria, Nanaimo and Comox.
 "Isabel," mail service, Victoria and Puget Sound.
 "North Pacific" do do
 "Grappler," Victoria, Wrangel, Sitka and Fort Simpson.
 "Royal City" and "Reliance," Fraser River to Yale.
 "Wilson J. Hunt," Victoria, Esquimalt and New Westminster.
 "Alexander," general towage service.
 "Beaver" do do
 "Etta White" do do
 "Pilot" do do

EDGAR CROW BAKER,

Secretary, P.A.

VICTORIA, B.C.,

9th January, 1879.

List of Exempted Vessels under Section 3 of the Pilotage By-Laws.

| No. of Certificate. | Names. | Rig. | Master. | Tonnage. | Rank. |
|---------------------|---------------------|------------|------------------------|----------|---------------------------------------|
| 1 | Otter..... | Steamer... | Wm. McCulloch..... | 217 | Victoria to Fort Simpson, &c. |
| 2 | Enterprise..... | do | Herbert G. Lewis | 442 | Victoria and New Westminster, summer. |
| 3 | Maude..... | do | George Rudlin..... | 158 | Victoria to Nanaimo, winter. |
| 4 | Etta White..... | do | Henry Smith..... | 97 | General towage and Jervis Inlet. |
| 5 | Isabel..... | do | Daniel Morrison..... | 317 | Victoria and Port Townsend. |
| 6 | Cariboo Fly..... | do | George Rudlin..... | 138 | Victoria to Comox, summer. |
| 7 | Grappler..... | do | John Hayes..... | 128 | Victoria to Wrangel and Sitka. |
| 8 | North Pacific..... | do | Chas. Clancey..... | 488 | Victoria and Puget Sound. |
| 9 | Bouanza..... | Schooner.. | Thos. Pamphlet..... | 98 | Esquimalt to New Westminster, &c. |
| 10 | Wilson J. Hunt..... | Steamer... | John Irving..... | 172 | Victoria and Fraser River. |
| 11 | Black Diamond..... | Schooner.. | Geo. Suckey..... | 81 | Victoria, Esquimalt and Nanaimo. |
| 12 | Pilot..... | Steamer... | Jas. A. Gardiner..... | 183 | General towage and P.M.S.S. Co. |
| 13 | Beaver..... | do | John D. Warren..... | 109 | General towage service. |
| 14 | Alexander..... | do | Donald Urquhart..... | 331 | do do |
| 15 | Olympia..... | do | Thos. Stothard..... | 498 | Victoria to New Westminster, winter. |

N.B.—All the foregoing steamers pay \$160 per annum, and schooners \$30 per annum, when commanded by Masters holding Pilot Certificates which exempt them from the payment of the ordinary Pilotage Dues laid down in the By-laws, as shown in Return No. 5, Sheet 6, of these Returns.

EDGAR CROW BAKER,

Secretary. P.A.

VICTORIA, B.C., 9th January, 1879.

RETURN showing the Total Amount of Pilotage Dues received 31st December, 1878.

| American. | British. | French. | Chilian and Nicaraguan. | Other Nationalities. | Canadian. | Special Rates. | Months. | Special Service. |
|-----------|----------|---------|-------------------------|----------------------|-----------|----------------|-----------|------------------|
| \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. | | \$ cts. |
| 66 00 | 52 00 | 47 50 | 65 50 | 61 00 | 54 00 | 188 60 | January | 20 00 |
| 21 00 | 53 50 | 43 00 | 36 00 | 35 75 | 12 37 | 146 25 | do | 10 00 |
| 40 00 | 10 00 | 58 00 | 61 50 | 110 50 | 24 75 | 132 00 | do | 10 00 |
| 46 00 | 48 00 | 59 50 | 99 50 | 42 62 | 55 00 | 188 00 | do | 10 00 |
| 60 00 | 73 00 | 46 00 | 50 50 | 37 50 | 76 00 | 142 87 | do | 10 00 |
| 50 50 | 61 12 | 52 50 | 57 00 | 137 00 | 18 00 | 135 60 | do | 10 00 |
| 43 50 | 70 00 | 10 00 | 118 00 | 66 00 | 56 00 | 142 87 | do | 10 00 |
| 96 00 | 76 00 | 18 25 | 9 75 | 53 50 | 58 25 | 132 00 | do | 10 00 |
| 58 50 | 33 00 | 47 50 | 79 00 | 77 50 | 38 25 | 183 00 | do | 20 00 |
| 70 00 | 55 00 | 41 50 | 53 50 | 88 00 | 36 00 | 142 87 | do | 10 00 |
| 60 00 | 43 00 | ..... | 77 50 | 99 50 | 67 00 | 132 00 | February | 20 00 |
| 109 50 | 68 50 | ..... | 12 00 | 96 00 | 56 00 | 194 00 | do | 10 00 |
| 106 50 | 103 50 | ..... | 37 50 | 14 75 | 86 62 | 150 75 | do | 20 00 |
| 118 00 | 66 25 | ..... | 73 50 | 43 00 | 52 00 | 194 00 | do | 10 00 |
| 36 00 | 67 00 | ..... | ..... | 61 50 | 80 00 | 132 00 | do | 10 00 |
| 60 00 | 45 00 | ..... | ..... | 36 00 | ..... | 146 25 | do | 10 00 |
| 30 00 | 68 50 | ..... | ..... | 55 50 | ..... | 120 37 | March | 10 00 |
| 163 50 | 36 00 | ..... | ..... | 107 50 | ..... | 139 50 | do | 20 00 |
| 208 50 | 77 25 | ..... | ..... | 47 50 | ..... | 194 00 | do | 30 00 |
| 100 50 | 63 00 | ..... | ..... | ..... | ..... | 132 00 | do | 10 00 |
| 427 50 | 55 50 | ..... | ..... | ..... | ..... | 140 62 | do | 60 00 |
| 36 00 | 43 00 | ..... | ..... | ..... | ..... | 188 00 | do | 30 00 |
| 104 50 | 34 50 | ..... | ..... | ..... | ..... | 145 12 | April | 30 00 |
| 315 00 | 37 12 | ..... | ..... | ..... | ..... | 132 00 | do | 30 00 |
| 330 00 | 45 00 | ..... | ..... | ..... | ..... | 191 00 | do | 10 00 |
| 280 00 | 57 00 | ..... | ..... | ..... | ..... | 132 00 | do | 10 00 |
| 244 50 | 59 50 | ..... | ..... | ..... | ..... | 140 62 | do | 10 00 |
| 338 00 | 30 00 | ..... | ..... | ..... | ..... | 191 00 | May | 20 00 |
| 232 50 | 36 00 | ..... | ..... | ..... | ..... | 141 75 | do | 10 00 |
| 423 50 | 46 50 | ..... | ..... | ..... | ..... | 191 00 | do | 20 00 |
| 425 75 | 58 50 | ..... | ..... | ..... | ..... | 141 75 | do | 30 00 |
| 207 00 | 47 25 | ..... | ..... | ..... | ..... | 132 00 | do | 20 00 |
| 172 00 | 11 60 | ..... | ..... | ..... | ..... | 191 00 | do | 30 00 |
| 322 50 | 49 50 | ..... | ..... | ..... | ..... | 146 25 | June | 30 00 |
| 159 00 | 76 50 | ..... | ..... | ..... | ..... | 128 25 | do | 20 00 |
| 167 00 | 52 00 | ..... | ..... | ..... | ..... | 132 00 | do | 60 00 |
| 230 00 | 47 50 | ..... | ..... | ..... | ..... | 144 00 | July | 20 00 |
| 72 00 | 53 50 | ..... | ..... | ..... | ..... | 167 62 | do | 10 00 |
| 46 50 | 11 25 | ..... | ..... | ..... | ..... | 145 12 | do | 10 00 |
| 210 00 | 46 00 | ..... | ..... | ..... | ..... | 132 00 | do | 10 00 |
| 99 75 | 50 50 | ..... | ..... | ..... | ..... | 174 37 | do | 20 00 |
| 105 00 | 63 50 | ..... | ..... | ..... | ..... | 141 75 | August | 20 00 |
| 241 50 | 67 00 | ..... | ..... | ..... | ..... | 172 12 | do | 20 00 |
| 221 00 | 74 50 | ..... | ..... | ..... | ..... | 132 00 | do | 10 00 |
| 269 50 | 64 00 | ..... | ..... | ..... | ..... | 145 12 | do | 10 00 |
| 187 50 | 46 00 | ..... | ..... | ..... | ..... | 176 62 | do | 10 00 |
| 27 00 | 81 00 | ..... | ..... | ..... | ..... | 132 00 | do | 10 00 |
| 36 00 | 20 25 | ..... | ..... | ..... | ..... | 145 12 | do | 20 00 |
| 189 00 | 60 00 | ..... | ..... | ..... | ..... | ..... | September | 10 00 |
| 135 50 | 46 50 | ..... | ..... | ..... | ..... | ..... | do | 20 00 |
| 168 75 | 67 00 | ..... | ..... | ..... | ..... | ..... | do | 20 00 |
| 54 00 | 30 25 | ..... | ..... | ..... | ..... | ..... | do | 10 00 |
| 165 00 | 18 75 | ..... | ..... | ..... | ..... | ..... | do | 10 00 |
| 440 00 | 65 50 | ..... | ..... | ..... | ..... | ..... | do | 10 00 |
| 108 00 | ..... | ..... | ..... | ..... | ..... | ..... | do | 10 00 |
| 81 00 | ..... | ..... | ..... | ..... | ..... | ..... | do | 10 00 |
| 90 00 | ..... | ..... | ..... | ..... | ..... | ..... | do | 10 00 |
| 110 50 | ..... | ..... | ..... | ..... | ..... | ..... | do | 10 00 |
| 91 50 | ..... | ..... | ..... | ..... | ..... | ..... | do | 10 00 |
| 45 00 | ..... | ..... | ..... | ..... | ..... | ..... | do | 10 00 |

RETURN showing the Total Amount of Pilotage Dues, received 31st December, 1878.—Continued.

| American. | British. | French. | Chilian and Nicaraguan. | Other Nationalities. | Canadian. | Special Rates. | Months. | Special Services. |
|-----------|----------|---------|-------------------------|----------------------|-----------|----------------|--------------|-------------------|
| \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. | | \$ cts. |
| 70 00 | | | | | | | October..... | 10 00 |
| 262 50 | | | | | | | do | 10 00 |
| 33 00 | | | | | | | do | 10 00 |
| 70 00 | | | | | | | do | 10 00 |
| 107 50 | | | | | | | do | 10 00 |
| 116 50 | | | | | | | do | 20 00 |
| 64 50 | | | | | | | do | 10 00 |
| 334 75 | | | | | | | do | 19 00 |
| 316 50 | | | | | | | November... | 10 00 |
| 51 00 | | | | | | | do | 10 00 |
| 103 00 | | | | | | | do | 20 00 |
| 60 00 | | | | | | | do | 10 00 |
| 336 00 | | | | | | | do | 10 00 |
| 39 75 | | | | | | | do | 10 00 |
| 50 50 | | | | | | | do | 10 00 |
| 47 50 | | | | | | | do | 10 00 |
| 109 50 | | | | | | | do | 10 00 |
| 243 00 | | | | | | | do | 50 00 |
| 316 00 | | | | | | | do | 10 00 |
| 53 25 | | | | | | | do | 10 00 |
| 122 50 | | | | | | | do | 10 00 |
| 113 00 | | | | | | | December... | 10 00 |
| 34 50 | | | | | | | do | 10 00 |
| 131 50 | | | | | | | do | 40 00 |
| 120 00 | | | | | | | do | 50 00 |
| 73 00 | | | | | | | do | 40 00 |
| 73 00 | | | | | | | do | 10 00 |
| 84 00 | | | | | | | | |
| 70 00 | | | | | | | | |
| 137 00 | | | | | | | | |
| 102 00 | | | | | | | | |
| 110 50 | | | | | | | | |
| 60 00 | | | | | | | | |
| 174 50 | | | | | | | | |
| 59 00 | | | | | | | | |
| 26 25 | | | | | | | | |
| 39 00 | | | | | | | | |
| 39 00 | | | | | | | | |
| 49 00 | | | | | | | | |
| 13,578 25 | 2,830 09 | 430 75 | 827 75 | 1,270 62 | 770 74 | 7,394 93 | | 1,430 00 |

RECAPITULATION.

| | \$ | cts. |
|--|--------|------|
| American | 13,578 | 25 |
| British..... | 2,830 | 09 |
| French..... | 430 | 75 |
| Chilian and Nicaraguan..... | 827 | 25 |
| German, Norwegian, Russian, &c | 1,270 | 62 |
| Canadian and Colonial..... | 770 | 74 |
| Special Rates (mail steamers &c.)..... | 7,394 | 93 |
| Gross..... | 27,102 | 63 |
| Less Refunds..... | 438 | 25 |
| Nett Dues collected..... | 26,664 | 38 |

Audited and found correct.

EDGAR CROW BAKER.

10th January, 1879.

SPECIAL RATES.

These are for vessels coming under section 12, clause E of the By-Laws, *i.e.*, in cases where the dues would otherwise exceed \$6 per foot in and out, and apply more particularly to the mail steamers "Dakota," "Alaska," "City of Panama," "California" and "Empire" (all American vessels).

SPECIAL SERVICES.

The dues shown as collected under this heading, being in red figures, denote that they are included in the actual dues collected, and expressed under the headings indicating their nationality, the total for this service being \$1,430, and is in fact gulf pilotage of vessels in transit from Royal Roads on Race Rocks, &c., to Nanaimo, Burrard Inlet, Baynes Sound, &c., and *vice versa*; it also includes the amount paid to pilots for the removal of vessels within the limits of a port.

EARNINGS OF B. C. PILOTS.

| | | |
|--|------------|-------------|
| Gross amount at credit of B. C. Pilots' Joint Account..... | | \$23,489 20 |
| Less maintenance of schooner "Cariolena"..... | \$2,172 63 | |
| do do "W. A. G. Young"..... | 1,227 48 | |
| do do "Keturah"..... | 227 97 | |
| do Lighthouse Island Station, Nanaimo... | 811 66 | |
| Extra boat hire, <i>in re</i> mail steamers..... | 209 00 | |
| Travelling expenses between ports..... | 1,113 95 | |
| Miscellaneous expenses and increase of plant..... | 368 00 | |
| Interest on investment in boats \$4,000 at 10 per cent.... | 400 00 | |
| | | \$6,530 69 |
| Net earnings..... | | \$16,958 51 |

The individual earnings per annum would therefore be as follows:—With eight pilots, \$2,119.81; with nine pilots, \$1,884.28; with ten pilots, \$1,695.85; average, \$1,899.98 per annum, or from \$150 to \$170 per man per month.

EDGAR CROW BAKER,

Secretary-Treasurer.

VICTORIA, B. C., 10th January, 1879.

Approved and certified correct.

R. FINLAYSON,

Chairman,

W. W. CLARKE,

JOHN DEVEREUX,

COOTE M. CHAMBERS,

} Commissioners.

Dr.

No. 6—RECEIPTS AND EXPENDITURE—Return under Section 24, Clause V.

Cr.

| 1878 Jan. 1st to Dec. 31st | To | \$ cts. | 1878 Jan. 1st to Dec. 31st | By | \$ cts. |
|----------------------------------|---|-----------|----------------------------------|--|-----------|
| do | Pilotage Dues (<i>vide</i> Return No. 5) | 26,664 38 | do | British Columbia Pilots' Joint Account (earnings) | 23,489 21 |
| do | License Fees (<i>vide</i> Sec. 2, By-Laws) | 100 00 | do | Revenue Services (commission on collections) | 406 48 |
| do | Certificate Fees (<i>vide</i> Sec. 3, By-Laws) | 1,290 00 | do | Pilotage Authority Expenditure:— | |
| do | Examination Fees (<i>vide</i> Sec. 2 & 3, By-Laws) | 120 00 | do | Harbour Masters as Agents, Nanaimo and Burrard Inlet | 432 42 |
| do | Fines and Forfeitures (<i>vide</i> Sec. 25, By-Laws) | 56 00 | do | Secretary and Treasurer, (salary for 12 months) | 1,200 00 |
| do | Survey Fees (<i>vide</i> Sec. 4, By-Laws) | 40 00 | do | Expenses of Investigations | 480 00 |
| do | Interest Account on Savings Bank Deposits | 62 21 | do | Expenses of Examinations | 114 96 |
| do | Commission Account on additional collections | 14 85 | do | General and Petty Expenses Accounts (\$19.35 and \$7.45) | 56 80 |
| | | | do | Postage Account (rent of box, and stamps) | 44 35 |
| | | | do | Printing Account (revised by-laws and forms) | 22 50 |
| | | | do | Stationery Account (\$17 and \$28 62) | 45 62 |
| | | | do | Advertising Account (notices and promulgations) | 34 00 |
| | | | do | Plant Account (\$53 and \$34.21) | 87 21 |
| | | | do | Office Expenses (rent, cleaning, fuel and light) | 271 90 |
| | | | do | Legal Expenses (Messrs. Drake & Jackson, &c.) | 15 00 |
| | | | do | Expenses of Surveys (annual surveys on boats) | 40 00 |
| | | | do | Captain of Pilot Schooner (wages of Master) | 440 00 |
| | | | do | Balance to credit of Pilotage Authority | 3,287 76 |
| | | 28,347 44 | Dec. 31st. | | 1,164 00 |
| | | | | | 28,347 44 |

Approved and certified correct.

R. FINLAYSON, Chairman,
W. W. CLARKE,
JOHN DEVEREUX,
COOTE M. CHAMBERS,
Victoria, B.C., 11th January, 1879.

Commissioners.

EDGAR CROW BAKER,
Secretary-Treasurer.

| TRIAL BALANCE. | DR. | CR. |
|--|-------------------|--------------------|
| To Pilotage dues collected, balance..... | \$26,664 33 | |
| License fees do | 100 00 | |
| Certificate fees do | 1,290 00 | |
| Examination fees do | 120 00 | |
| Fines and forfeitures do | 56 00 | |
| Survey fees do | 40 00 | |
| Interest account do | 62 21 | |
| Commission account do | 14 85 | |
| | <u> </u> | <u>\$28,347 44</u> |
| By British Columbia Pilots' Joint Account, | | |
| *balance..... | \$23,439 20 | |
| British Columbia revenue service, bal'ce | 406 48 | |
| do Expenditure, as per | | |
| memo..... | 3,287 76 | |
| do Balance to credit of | | |
| Pilotage Authority. | 1,164 00 | |
| | <u>28,347 44</u> | <u>28,347 44</u> |

British Columbia Pilot Fund :—

| | | |
|--|-----------------|-----------------|
| Jan. 21.—In Savings Bank from last year... | \$1,685 35 | \$1,685 35 |
| June 30.—Interest accrued to date..... | 59 16 | ..... |
| Dec. 31.—Balance now transferred..... | 1,164 00 | 1,223 16 |
| | <u>2,908 51</u> | <u>2,908 51</u> |

MEMO. OF BALANCES, &C.

| | | |
|---|-------------------|--------------------|
| Due Pilot John Sabiston, 31st December..... | \$185 08 | |
| do James McIntosh do | 214 54 | |
| do John Ramsey do | 118 05 | |
| do James Christensen do | 184 96 | |
| do Wm. Etteeshank do | 94 08 | |
| do William Scott do | 252 99 | |
| do Robert Hicks do | 188 70 | |
| do Peter Holmes do | 81 61 | |
| do John Thompson do | Nil. | |
| | <u>1,320 02</u> | |
| Balance in Savings Bank, 31st December.... | \$1,904 30 | |
| do on hand, 31st December | 12 31 | |
| Invested in pilot boats and stations..... | 567 41 | |
| | <u> </u> | <u>\$ 2,484 02</u> |
| Less balances as above..... | 1,320 02 | |
| | <u> </u> | <u>1,164 00</u> |
| Balance to credit of Pilotage Authority | 1,164 00 | |
| Balance as per Revenue and Expenditure..... | 1,164 00 | |

Now transferred to British Columbia Pilot Fund, as under:—

| | | |
|--|----------|-----------------|
| Invested in British Columbia pilot boats, at 1 per cent. money..... | \$567 41 | |
| Invested in Savings Banks, 5 per cent. acct. | 584 28 | |
| Balance in hand, now deposited..... | 12 31 | |
| | | <u>1,164 00</u> |

EDGAR CROW BAKER,

Secretary.

VICTORIA, B.C., 11th January, 1879.

VICTORIA, B.C., January 11th, 1879.

I certify that I have examined "Cash Accounts, Books and Vouchers" belonging to the Pilotage Authority kept by and in charge of Edgar Crow Baker, Esquire, Secretary and Treasurer, and find the same correct and in perfect order, showing the following results:—

| | |
|-------------------------------|-----------------|
| Cash in hand..... | \$12 31 |
| Balance in Savings Banks..... | 584 28 |
| Invested in Pilot Boats | 567 41 |
| | <u>1,164 00</u> |

To the credit of the Pilotage Authority and now transferred to the creditor of British Columbia Pilot Fund.

COOTE M. CHAMBERS,

Accountant Savings Bank.

APPENDIX No. 72.

REPORT OF THE MONTREAL RIVER POLICE, FOR THE FISCAL YEAR ENDED 30TH JUNE, 1878.

MONTREAL, 2nd September, 1878.

SIR,—I have the honor to submit for the information of the Department a return showing the number of persons that have been arrested and protected by the Montreal Government River Police, for the fiscal year ended the 30th June, 1878.

The force was sworn in as usual on the 1st May, 1877, and consisted of one chief constable, four sergeants and nineteen constables, and so continued to date.

The number of persons arrested during the year was 234, and 65 were sheltered. I am happy to say that considering the increased tonnage that has arrived in the port, the evil of drunkenness and usual misdemeanors have materially decreased.

On the other hand, I regret to report that there has been an increase in the number drowned. The record shows that twenty so lost their lives, while only fifteen were saved, though the Department has added to the appliances for rescuing and recovering persons falling into the water.

During the year one chief constable and one constable died, and two constables resigned; the latter vacancies were filled up by parties who, after due examination, were approved by the Department. Mr. George Murphy, on the recommendation of the honorable Minister, was appointed by an Order in Council to fill the post vacant by the demise of John McLoughlin, and was sworn in on the 1st May, 1878. He has diligently attended to his duties, and in a remarkably short space of time has acquired a general knowledge of the varied routine of his office. It affords me much pleasure to add that when the necessary experience (which can only be acquired by time and practice) has been obtained, he will doubtless prove that the important trust committed to his care has not been misplaced.

There have been four inspections by the Deputy Minister during the fiscal year, in connection with his other duties in Montreal, and he was good enough to express his satisfaction with the bearing and appearance of the staff and men, and the cleanliness and order of the station.

The men are drilled periodically, and become more perfect after each course of instruction. The general conduct of the force has been satisfactory, and the staff have performed their duty with zeal, discretion and ability.

Thanking you for the valuable suggestions and assistance so often and generously afforded me in the performance of my duties,

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

H. ST. A. ORMOND,
Inspector.

WILLIAM SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

Return of Prisoners arrested by the Government River Police of Montreal for the Fiscal Year ended 30th June, 1878.

| | Assaulting the Police. | Assault and Battery. | Drunk. | Drunk and Disorderly. | Sailors drunk, disorderly on board ship. | Sailors assaulting their Officers. | Sailors absent from Ship without leave. | Refusing duty on board Ship. | Stealing Ship's cargo. | Crimping Seamen. | Carters impeding on the wharf. | Fighting on the wharf. | Larceny. | Vagrancy. | Bathing opposite the City. | Attempt to commit Suicide. | Insanity. | Ran away from his parents. | Sailors deserting their Ship. | Rape. | Assaulting to commit murder. | Attempting to Stab. | Obtaining passengers on the wharf. | Killing Birds. | Protection. | Total. | |
|-----------|------------------------|----------------------|--------|-----------------------|--|------------------------------------|---|------------------------------|------------------------|------------------|--------------------------------|------------------------|----------|-----------|----------------------------|----------------------------|-----------|----------------------------|-------------------------------|-------|------------------------------|---------------------|------------------------------------|----------------|-------------|--------|--|
| 1877. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| July | 1 | 1 | 4 | 1 | 1 | 1 | 3 | 2 | | | 2 | 1 | 3 | 3 | | | | | | | | | | | 4 | 28 | |
| August | | 1 | 17 | 2 | 2 | | 2 | 1 | 1 | 1 | 4 | 1 | 10 | 2 | 2 | 1 | 3 | 5 | | | | | | | 4 | 58 | |
| September | | 1 | 6 | 5 | 5 | 3 | 5 | 1 | 1 | 1 | | | 7 | 5 | | | 3 | 3 | 2 | 1 | | | | | 8 | 54 | |
| October | 1 | 4 | 19 | 3 | 3 | | 3 | 4 | | | | | 8 | | | 2 | 1 | | | 1 | | | | | | 51 | |
| November | | 1 | 7 | 9 | | | 3 | | | | | | | | | | 1 | | | | | | | | 13 | 34 | |
| December | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1878. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| February | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| March | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| April | | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | |
| May | 1 | | 5 | 5 | 5 | | 1 | 1 | | | | | 1 | | | | | | 1 | | | | | | 13 | 27 | |
| June | 2 | | 8 | 4 | 4 | | | 1 | 1 | | | | 1 | | | | | | 1 | | | | | 1 | 23 | 46 | |
| Total | 5 | 8 | 66 | 24 | 20 | 4 | 17 | 10 | 3 | 2 | 6 | 2 | 29 | 10 | 2 | 2 | 9 | 9 | 3 | 1 | 1 | 1 | | 1 | 65 | 229 | |

GEORGE MURPHY,
Chief Government River Police, Montreal.

RETURN OF ACCIDENTS ON THE WHARVES, &c., FOR THE FISCAL YEAR ENDED 30TH
JUNE, 1878.

- July 4th, 1877.—A horse attached to a truck going up the slope from the wharf with a load of tin, the horse backed over the revetment wall.
- July 9th.—The schooner "Adelaide" collided with the barge "P. L." near the Wellington Bridge; the jib boom of the barge was broken.
- July 11th.—Francis More, while on his way to Lachine on board a barge was drowned.
- July 12th.—Oliver Bacon while in the act of jumping on board the steamer "Spartan" struck his head against the side of the vessel, fell into the basin and was drowned. Body found. Coroner notified.
- July 12th.—Robert Forshaw, seaman, of the steamship "Caspain," while going on board fell into the river and was drowned. Body found. Coroner notified.
- July 18th.—The steamer "Readwater," unloading at Hochelaga; a man working on board was struck by a large tub and knocked into the hold. Was sent to hospital.
- July 19th.—A horse belonging to St. Onge fell into the basin and was drowned.
- July 19th.—A laborer working on the steamship "Lake Champlain" fell into the hold and was badly hurt. Removed to the General Hospital.
- July 23rd.—The body of a man was seen floating in the river. The body recovered and coroner notified.
- July 23rd.—A man while going on board the steamer "Corinthian" fell into the basin and was drowned. The body was recovered by the constable on duty. Coroner notified.
- August 4th.—A man working on the steamer "Peruvian" fell down the hatchway and badly injured. He was conveyed to the General Hospital.
- August 13th.—One of the firemen belonging to the steamship "Dominion," when going on board, fell into the river, but was saved by the constable on duty.
- August 14th.—A man while going home fell into the new basin, a distance of 30 feet. Was badly hurt. Sent to the General Hospital.
- August 16th.—A man named Francis McGuire fell into the basin and was drowned. The body recovered. Coroner notified.
- August 17th.—A man sitting on the gangway of the ship "Lake Superior" was struck by a plank, breaking his arm.
- August 21st.—A man working on the ship "Lake Ontario" fell from the scaffolding, breaking his leg. Was sent to the General Hospital.
- August 21st.—A man was very badly hurt, on board the steamship "Quebec" by a chain used for hoisting.
- August 21st.—William Best was drowned while bathing. The body was found. Coroner notified.
- September 7th.—A carriage proceeding up the canal wharf with a load, was struck by the Grand Trunk engine and badly broken.
- September 11th.—A man working on deck of a barge fell, striking his knee against a large spike, which injured him very badly. He was conveyed to the General Hospital.
- September 11th.—A seaman climbing up the ladder to the deck of the ship "Martin Suter" lost his footing, falling into the basin, and was drowned. Coroner notified.

September 13th.—A man attempting to jump from the steamer "Bohemian" caught his foot in a rope, causing him to fall, cutting his head very badly. Conveyed to the station and doctor sent for.

September 14th.—A man fell through the hatchway of the steamship "Memphis" severely injuring himself. Removed to the General Hospital.

September 16th.—The body of a drowned man was seen floating in the river and taken ashore. Coroner notified.

September 25th.—A screw steamer moving out of the harbour, collided with a grain barge, making a large hole in the latter beneath the water-line; she filled rapidly with water.

October 2nd.—The body of a boy named Joseph Chartebois was found in the canal drowned. Coroner notified.

October 8th.—Patrick McGauvran, while working on board a barge, fell into the basin and was drowned. The body was found and coroner notified.

October 10th.—The body of a man named Michael Courtney was found floating in the river opposite the city. Coroner notified.

October 12th.—A seaman, while walking the wharf, fell into the basin and saved by the constable on duty.

October 16th.—The chief mate of the steamship "Ermendale" was drowned while going on board his ship. Coroner notified.

October 22nd.—A seaman named Michael Bratt, belonging to the steamship "Emma Lawson" while going on board, fell off the gangway into the basin and was drowned. Coroner notified.

October 25th.—A seaman belonging to the steamship "Polynesian," while going along the revetment wall, fell to the wharf, was very badly injured and conveyed to the General Hospital by the constable on duty.

November 1st.—A boy fell into the canal basin, and would have been drowned but for the assistance of the constable on duty.

November 3rd.—A horse and truck ascending the slope from the wharf, the horse backed over the revetment wall with a hogshhead of sugar and was killed.

November 8th.—A lockman while attempting to jump on board the steamer "St. Francis," missed his footing and fell into the canal. He was saved by the constable on duty.

November 8th.—A canal man, while oiling the winch at No. 1 lock, the handle slipped round, hitting him on the nose and breaking it. Conveyed to the General Hospital.

November 13th.—A man belonging to a barge of the Montreal Transportation Company fell overboard, but was saved.

April, 1878.—A widow woman attempted to drown herself by jumping into the canal basin. She was saved by the lockman.

May 6th.—A boy playing with a derrick in the canal used by the contractor for hoisting stones, the handle gave way and hit the boy on the head. He was badly hurt and conveyed to the General Hospital by the constable on duty.

May 20th.—A laborer fell down the hatchway on board the steamship "Quebec" and very badly hurt. He died at 7 o'clock a.m. Coroner notified.

May 24th.—A man fell into the canal, near the flour sheds. Through the exertions of the constable on duty he was saved.

May 25th.—A laborer working on a barge in the King's basin, fell into the water. He was saved by the hands on board.

June 4th.—A collision occurred near the wharf of the Richelieu and Ontario Navigation Company, the steamer "Canada," bound for Quebec was run into by a barque bound for Liverpool. Both vessels were damaged.

June 5th.—A laborer while working on the wharf had both his legs broken by a marble slab falling on them. He was conveyed to the General Hospital by the constable on duty.

June 5th.—A boy fell into the river and would have been drowned but for the assistance of Mr. John Jordan, who has saved several lives.

June 7th.—A man walking along the canal bank, stepped into a well made for the purpose of working the lock-gates. He was saved by a passer-by.

June 8th.—The steamer "Berthier," crossing to St. Helens Island, her rudder-chain broke; the vessel began to drift down the current. After some difficulty the mischief was repaired.

June 8th.—A man rowing up the river, his skiff was struck by a small tow-boat and capsized. He succeeded in holding on to the boat until assistance arrived.

June 8th.—A laborer at work on board the ship "Hebour Buccari," a lump of coal fell from the bucket on his head, cutting him very badly. Removed to the hospital.

June 15th.—A boy named P. Garrigan, fell into the canal and was drowned. The body was recovered by the constable on duty and sent to his parents.

June 17th.—The steam-tug "H. H. Whitney" took fire while lying in the canal near Blocks Bridge; the steam-tug "T. Doyle" played on the burning vessel and put out the fire.

GEORGE MURPHY,

Chief Government River Police.

APPENDIX No. 73.

REPORT OF THE CHIEF OF THE QUEBEC RIVER POLICE FOR THE YEAR ENDED 31ST DECEMBER, 1878.

QUEBEC, 18th January, 1879.

SIR,—I have the honor to submit my Annual Report as Chief of the Quebec River Police, for the year ended 31st December, 1878.

To this my report is appended a statement giving the number of persons arrested by the men under my charge; the various offences of which they were guilty, and the nationality of the said offenders.

On the 1st May the River Police, consisted of the Chief, who is also shipping-master for the port, at a salary of twelve hundred dollars per annum.

One chief coxswain acting as steersman for steamer No. 1, at \$2.20 per day; one steersman for steamer No. 2, at \$1.70 per day; six coxswains at \$1.70 per day, one of whom acts as clerk in the shipping office; and thirty-seven constables, at \$1.40 per day, were sworn in for duty, under the command of my predecessor in office, Mr. R. H. Russell. To the above should be added two engineers and one assistant, at fifty, forty-five and twenty-five dollars per month, respectively; and this force remained subject to his control until the 1st June, at which date Captain Russell having retired I assumed the duties of Chief Constable, being appointed thereto by Order in Council bearing date 22nd May, 1878. In the said Order in Council I was also appointed Shipping Master for this port, the duties of which office I have since fulfilled.

On referring to the daily journal of my predecessor for the month of May, I do not find anything calling for your special attention, the ordinary or routine business of the office being duly performed.

Reverting to the instructions contained in your letter of the 7th June, I have to state that the rules and practice pursued by my predecessor have been strictly adhered to, and the duties of the office have been faithfully attended to as follows, viz: On the river the steamers have performed the usual day duty. The force is divided into crews consisting of one coxswain and six constables, who patrol the river in boats during the night. Warrants are executed on the river and on shore by the men who also search for boats, lumber, or other articles which may have gone astray on the river.

When necessary, the Harbor Master or assistant is furnished with a steamer or boat.

Crimping has been very effectually repressed by the operation of the Act 36 Vic., cap. 129.

Care has been taken to inform seamen of the day and hour, as per the Articles which they sign, when they should be on board; a register being kept of the houses where they lodge, we are enabled to call for them, should they fail to be in attendance at the proper time; and the usual system of remaining on board until the ship hauls off, and all is well, has been, whenever required, followed by the men under my charge.

In addition to the foregoing ordinary police duty, one of the men is regularly taken from the force in the month of May and sent to the Tadousac "Fish Breeding Establishment," where he remains until November, in which month an additional man is detailed for duty at the same place, while two others are sent to enforce the laws for the protection of the fisheries on Lake Memphremagog, during the same month.

The force being composed of men acquainted with different trades, such as carpenters, sailmakers, painters, &c., they in addition to the regular police duty are employed in various kinds of work in and about the Department, viz:—Making and repairing boats, life preservers, fenders, sails, and other general work required on the premises.

Owing to the commercial depression, the fleet visiting this port during the season has been very small, from that fact the police duty has been unusually light; and nothing deserving record has occurred beyond the share taken by the force in attempting to suppress a riot which broke out on the 10th June. On that occasion the rioters, numbering about 1,000, threatened the property of a cove owner. The available force at the moment being inadequate to contend with them, several of the men receiving injuries in the attempt, being overpowered, we had to retreat. Serious consequences were subsequently feared until the demands of the rioters were acceded to; the above being the only part taken by the men under my command, in the unfortunate occurrence of that date.

In concluding this report I desire to express my thanks to the Agent, Mr. J. U. Gregory, for the courtesies he extended to me in the discharge of my duties, and also to bear testimony to the worth and excellence of the chief coxswain, Mr. James Cunningham, whose indefatigable zeal, united to forty years experience, renders him a most efficient officer. I would add that the attention of the other officers to their various duties, merits my approval.

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

BENJ. TRUDELL,

Chief, Quebec River Police, and Shipping Master.

WILLIAM SMITH, Esq.,

Deputy Minister of Marine and Fisheries.

Ottawa.

A STATEMENT giving the number of persons arrested by the Quebec River Police; the various offences committed by these persons, and their nationality, during the season of navigation, 1878.

| Offence. | Number of times Committed. | Nationality. | Number of Persons. |
|---|----------------------------|--------------------|--------------------|
| Desertion | 23 | England..... | 74 |
| Absence without leave | 122 | Ireland..... | 77 |
| Refusal of duty | 43 | Scotland..... | 55 |
| Refusal to proceed to sea | 10 | Wales..... | 3 |
| Neglecting to join ship | 9 | Canada..... | 31 |
| Warrants for assaults..... | 6 | Newfoundland..... | 2 |
| Assaults on board ship..... | 9 | Malta..... | 2 |
| do by captains on crew..... | 1 | West Indies..... | 1 |
| do by chief mates on crew..... | 1 | United States..... | 17 |
| Chief mates assaulted by crew..... | 4 | France..... | 9 |
| Drunk on wharves and streets..... | 35 | Norway..... | 13 |
| Drunk and fighting on board..... | 8 | Sweden..... | 13 |
| Thefts on board..... | 3 | Greece..... | 1 |
| Thefts on shore..... | 5 | Belgium..... | 2 |
| Cutting and wounding..... | 1 | Prussia..... | 3 |
| Protection for the night..... | 35 | Russia..... | 2 |
| Stowaways..... | 4 | Holland..... | 1 |
| Embezzling ships stores..... | 1 | Spain..... | 1 |
| Crimps loitering near a ship..... | 4 | Portugal..... | 1 |
| Going on board without permission..... | 1 | Germany..... | 14 |
| Threatening to shoot with revolver..... | 1 | Denmark..... | 3 |
| Swimming at Queen's Wharf..... | 3 | Finland..... | 6 |
| | | Austria..... | 1 |
| | | Italy..... | 2 |
| Total..... | 334 | Total..... | 334 |

APPENDIX No. 74.

REPORT OF THE PORT WARDEN FOR THE PORT OF MONTREAL, FOR
THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.PORT WARDEN'S OFFICE,
MONTREAL, 31st December, 1878.

SIR,—I have the honour to submit the following report and financial statement for the year just closed.

The season of navigation having come to a close, I have to report on the affairs of the office during the past year, accompanied by a statement showing the amount of moneys received and expended during the year ending this day.

The river was clear of ice this year earlier than usual, but our first arrival from sea was not until the 29th of April.

The general stagnation of business from which trade and commerce generally have been suffering during the past three years, and from which the shipping interest has not been exempt, still continues to some extent, and has had a tendency to limit the amount of grain shipped during the season, which, notwithstanding this drawback, has been larger in quantity than last year and considerably in excess of the two preceding years.

One noticeable feature in the season's grain-shipping business was the steady, uniform nature of it, and the absence of any more than ordinary briskness and activity on the one hand, or dulness and falling-off on the other; the season having begun with a fair amount of business, it continued steadily about the same until near the close.

Another noticeable feature in our season's business is the falling-off in the amount of fees collected for surveys on damaged goods and damage to ships. This is very satisfactory as it shows that cargoes generally have been landed in better order than formerly, and that there has been less damage done to ships from grounding, collision, contact with ice and other causes.

There is a marked falling-off in the export of lumber, but an increase in the shipment of phosphates.

There has been a very considerable increase in the export of cattle this year over former years. I cannot view without much concern the practice some of our spar-decked ocean steamships have got into of fitting up stalls for carrying cattle on their upper decks; the decks are so lumbered up with them and by hay in bales that in case the vessel should, by accident, lose the use of her engines, it would be very difficult to work the ship under canvas.

These stalls are put up generally in a very slight and flimsy manner, fastened to the deck by cut nails, and altogether unfit to resist any strain which might be brought to bear upon them through encountering bad weather; were they constructed otherwise, the danger to the ship from so much top weight would be very great; but in case of a ship being struck by a sea and thrown over on her side, these frail structures could not stand the force of a sea which would most certainly wash away cattle, stalls and all pertaining to them; the ship, thus relieved, would righten up again and be out of danger. On the whole, then, I cannot say that such ships are in an unseaworthy condition, which they most certainly would be if the structures referred to were of a more substantial character. Still the practice is a bad one and tends to loss and damage as well as having a tendency to check the export trade in cattle and give the port a bad name.

It is exceedingly satisfactory to be able to report that I have not heard of the loss of any vessel that loaded grain here this season, from shifting of cargo or from overloading, although two very fine steamships, with valuable grain cargoes, were wrecked from other causes, viz:—The “Lake Megantic,” on the Island of Anticosti, and the “Vindoland” in the Traverse.

The deepening of the channel of the river between this city and Quebec has resulted in attracting a class of ships to this port of a much larger size than formerly, and many of them were able to load full cargoes, thus saving a large amount of money for lighterage to Quebec. As an instance of this I might mention the case of the steamship “Erl King,” of the Donaldson Line, which left this harbour on the 2nd day of November, drawing twenty-two feet two inches, and the steamship “Brooklyn,” of the Dominion Line, which left this port on the 7th day of November, drawing twenty-two feet four inches, a thing unprecedented at that time of the year. This, though largely, may not be altogether owing to the deepening of the channel, as a large rain-fall, accompanied by easterly winds prevailed about that time, and no doubt had something to do with raising the water higher than usual; but it is nevertheless a fact that these ships passed down from Montreal to Quebec drawing that water. In former years ships could only load down to that draft in the spring, when the water, owing to the melting of the snow, rises several feet above its ordinary level.

There has been an increase during the year in the number of licenses issued to stevedores and ship liners, notwithstanding which there is still, and always will be, more or less difficulty experienced so long as incompetent and inexperienced men are permitted to work in the harbour as stevedores, and others, equally incompetent, undertake to practice the trade of ship liners. The only effectual remedy which I can see for these evils, is to compel every one by law to be examined as to his qualifications and fitness to perform the work he engages to do, and grant licenses to those who may be found competent. The Act 28 Vic., chap. 14, assented to 18th March, 1865, which deals with this matter, is very good so far as it goes; its only defect is that it does not make it compulsory for these men to take out licenses.

I have not experienced any difficulty in the performance of my official duties generally, and during the season I have had no complaints lodged with me from ship-owners, ship-masters, merchants, shippers or others, in regard to such duties.

I am, Sir,

Your obedient servant,

DAVID ROSS KERR,

Port Warden.

PORT WARDEN'S OFFICE.
STATEMENT of Cash Account for Year ending 31st December, 1878.

CR.

| 1878. | \$ | cts. | 1878. | \$ | cts. |
|--|-------|------|--|-------|------|
| To Amount of revenue derived from following sources: | | | | | |
| Fees on grain..... | 1,774 | 62 | By Paid D. R. Kerr, Port Warden | 2,000 | 00 |
| do Flour and meal..... | 179 | 74 | do J. G. Shaw, Deputy Port Warden, four months' salary, at \$500..... | 266 | 67 |
| do Ashes..... | 162 | 68 | do J. G. Shaw, Deputy Port Warden, eight months' salary, at \$1,000..... | 666 | 64 |
| do Apples..... | 128 | 31 | do W. J. Anderson, Clerk, twelve months' salary, at \$700 | 700 | 00 |
| do Phosphates..... | 72 | 24 | do Office boy..... | 156 | 60 |
| do Lumber..... | 238 | 49 | do Rent, fuel and taxes..... | | |
| do Cattle..... | 319 | 62 | do Office furniture, &c..... | | |
| do Oil cake..... | 12 | 39 | do Stationery account..... | | |
| do Hops..... | 2 | 13 | do Petty expenses..... | | |
| do Bones..... | 1 | 90 | do T. Simpson, Auditor..... | | |
| do Minerals..... | 2 | 84 | do Capt. Kerr, part expenses to England..... | | |
| do Un-enumerated articles..... | 1,419 | 20 | do Port Warden's Superannuation Fund..... | | |
| do Surveys on inward cargoes..... | 149 | 00 | | | |
| do do vessels lining..... | 1,603 | 00 | By Balance..... | 1,811 | 83 |
| do do damaged goods, &c..... | 626 | 25 | | 6,897 | 38 |
| do Special surveys..... | 95 | 50 | By Amount estimated as required to meet expenditure to May next..... | 1,557 | 38 |
| do Sundries..... | 109 | 47 | Balance..... | 254 | 45 |
| | 6,897 | 38 | | 1,811 | 83 |
| To Balance brought down..... | 1,811 | 83 | | | |
| 1879. | | | | | |
| Jan. 1..... | | | | | |
| To Balance..... | 254 | 45 | | | |

E. & O. F.

D. R. KERR,
 Port Warden.

MONTREAL, 9th January, 1879.

APPENDIX No. 75.

REPORT OF THE PORT WARDEN FOR THE PORT OF QUEBEC FOR
THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

PORT WARDEN'S OFFICE, VICTORIA CHAMBERS,

QUEBEC, 31st December, 1878.

SIR,—I have the honour to submit this my annual report of the affairs of this office during the past season, accompanied by a statement of fees collected, and expenses during the past year.

In August last, the steamship "Nellie Martin," Capt. Fox, left this harbour in violation of the Port Wardens' Act. The circumstances of this case was duly forwarded to Mr. J. W. Dunscomb, Collector of Her Majesty's Customs of this port, and to the Department of Marine and Fisheries, Ottawa.

On the 28th of last September, the steamship "Brooklyn," Capt. C. J. Lindall, Dominion Steamship Co., was refused certificate and clearance, on the plea of the vessel being overloaded (and too deep), and, in my opinion, not in a seaworthy condition. On the awning or shed deck (besides cabins, boats and other fixtures) there were sixteen hundred (1,600) sheep in cribs, with a large quantity of provender for the use of said sheep and cattle. Capt. Lindall was notified by letter that his vessel was overloaded, and not in a seaworthy condition. It was after agreed on to land from her 'tween decks (150) one hundred and fifty tons of cargo, to place the provender in the 'tween decks. This having been done, the vessel properly trimmed, and the 'tween decks cargo secured, the certificate and clearance was granted, and the vessel proceeded on her voyage to Liverpool.

I must respectfully solicit your attention to the Amendment Deck Load Act (assented to 10th May, 1878). I am of opinion that it has, this past season, unduly been taken advantage of and carried into abuse, more particularly with that class of steam vessels constructed with temporary decks (named shed decks), and those with only shed coverings erected for carrying live stock.

From my practicable experience of the past season, and taking into consideration the probable increase in the shipment of live stock this coming season, I am therefore of opinion some stringent measure should be taken to regulate the carrying of the same on the decks above named, and of steamers of different construction. Taking into consideration the manner that vessels have been carrying cattle (and other live stock) from here and Montreal is, in many cases, inconsistent and dangerous, as well as cruelty to animals.

It frequently came under my supervision that the top-deck was encumbered to such an extent with live stock and provender that there was not space enough left to prepare the necessary food for the cattle, which had to be done on the top of the sheds. In many cases I have found the boats not available for immediate use by being built in with the sheds erected for the cattle, at same time used for tanks, and filled with water for the use of the cattle. On several occasions during the past season I had to detain the vessels until the boats were cleared of water, and the provender removed from the top of the temporary sheds. From these encumbrances the duties of the seamen can and are only prosecuted at the risk of their lives, having to pass over the top of the sheds and stalls, from forward to aft, and *vice versa*.

REMARKS ON THE ABOVE.

Flush-deck steamers should not be allowed to carry more than live stock, in sheds properly constructed, to a limited height of seven feet above the deck.

Spar-deck steamers to have the same privilege for ($\frac{3}{4}$) three-fourths the length of the upper deck in midships.

Awning-deck steamers to have the privilege of carrying on said deck ($\frac{2}{3}$) two-thirds its length in midships.

Shed-decked steamers to be allowed to carry one height of sheep cribs the whole length of the deck, and in no case to be allowed to carry provender over any of the above.

I have most respectfully to inform you that, during the past season of navigation, numerous complaints have been made verbally by the masters of vessels, who have called my attention to the danger their crews are subject to, by the encumbrance of the deck loads, and expressively hoping that the Government would take this matter into their serious consideration.

The subject of free board continues to be a vexed question, more particularly with vessels carrying large loads of live stock in their 'tween decks, where they have to keep open hatches. This is a matter which demands more free board than those entirely loaded with grain.

| | |
|--|------------|
| Amount of fees received as per statement..... | \$1,648 50 |
| Office expenses, including work done outside of the harbour limits..... | 489 36 |
| | <hr/> |
| | \$1,159 14 |

The whole respectfully submitted.

I am, Sir,
Your obedient servant,

JOHN DICK,
Port Warden.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

 APPENDIX No. 76.

 REPORT OF THE PORT WARDEN FOR THE PORT OF HALIFAX, FOR
 THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

 PORT WARDEN'S OFFICE,
 HALIFAX, N.S., 31st December, 1878.

SIR,—I have the honour to submit my report of the affairs of this office for the year 1878, accompanied by a statement of the fees collected and the expenses incurred during that period.

Enclosed will be found a list of the vessels that have arrived here in distress, and vessels requiring repairs, upon which surveys have been held by the Port Warden during the year.

The schooner "Joseph Hughes" or "The Star" still remains in port. No repairs have been made to this vessel since her arrival here.

The schooner "Free Trade" is also still in port and has not received any repairs. The cargo of this vessel was sold at auction by instructions from the shippers, under the authority of the underwriters.

The schooner "Anita," which was towed into this port as a direlict, was sold with her cargo at auction, by consent of the salvors and other parties concerned.

The barque "Leonora," which was undergoing repairs at the date of my last report, after having been repaired, reloaded her cargo and sailed for her destination. After leaving port she encountered a succession of heavy gales, during which she had her decks swept and her bulwarks and stanchions carried away, and was subsequently abandoned. The crew were taken off by a passing vessel and landed at Queenstown.

The barques "Arcangelo" and "Kate Covert," and schooner "Lizzie and Emma" still remain in port undergoing repairs.

All the vessels bound to other ports with their cargoes, which arrived here in a damaged condition, that have been repaired, have reloaded their cargoes and proceeded upon their respective voyages, and all the vessels that are due at their destinations have arrived, excepting the barque "Leonora" above alluded to.

I have the honor to be, Sir,

Your obedient servant,

DAVID HUNTER,

Port Warden.

WM. SMITH, Esq.

Deputy Minister of Marine and Fisheries,
 Ottawa.

RECEIPTS and Expenditure of the Port Warden, Halifax, N.S., from 1st January till
31st December, 1878.

| DR. | | CR. | |
|---|----------|--|----------|
| | \$ cts. | | \$ cts. |
| To Fees for surveys of hatches, stowage, and damaged goods..... | 575 50 | By Paid fees to assistants..... | 215 00 |
| Fees for survey of vessels damaged..... | 433 00 | Paid office expenses, printing, stationery, &c. | 161 54 |
| Fees from all other sources..... | 113 50 | Balance carried down..... | 745 46 |
| Total | 1,122 00 | Total | 1,122 00 |
| To Balance brought down | 745 46 | By Amount reverting to Port Warden. | 745 46 |

DAVID HUNTER,

Port Warden.

E. & O. E.

HALIFAX, N.S., 31st December, 1878.

List of Damaged Vessels, and Vessels requiring Repairs, Surveyed by Port Warden, Halifax, N.S.

| Name of Vessel. | Port of Registry. | Rig. | Where from. | Where bound. | Description of Cargo. | Nature of Damage. |
|-----------------------------|---------------------|-------------|----------------------|-------------------|-----------------------|---|
| Commonwealth. | North Shields, G.B. | Steamship | Portland | Glasgow | Grain and flour. | Cargo shifted. |
| Minia | London, G.B. | do | Atlantic Telegraph | Cable Service | Grain | Renewing decks. |
| Electa | St. John, N.B. | Barque | New York | Gloucester, G.B. | Grain | Bulkhead of cargo-bin started. |
| Oleander | Beverly, U.S. | Schooner | Beverly | Fishing voyage | Phosphate | Stranded; leaky. |
| Ranavola | Newcastle, G.B. | Barque | Bull River, S.C. | Newcastle, G.B. | Grain | Leaky from stress of weather. |
| Frioso | Arendal, Norway | do | New York | Copenhagen | Grain | Loss of spars, sails, &c. |
| Joseph Hughes, or The Star. | | Schooner | Turk's Island. | Halifax, N.S. | Salt | Surveyed at the request of Underwriters to ascertain if extensive repairs had recently been made. |
| Free Trade. | St. John, N.B. | do | St. John, N.B. | Dungarvin | Deals | Stranded, water-logged; loss of spars, &c. |
| Arab Steed. | Gottenburg. | Barque | New York | Amsterdam | Petroleum | Leaky from stress of weather. |
| Dominique | Archat, C.B. | Barquentine | Cape Breton | New York | Coal | Collision in Halifax Harbor. |
| Gratitude | Littlehampton, G.B. | Barque | Bull River, S.C. | Birkenhead | Phosphate | Leaky from stress of weather. |
| Edith Troop | St. John, N.B. | Ship | New York | Antwerp | Grain | Pumps choked; loss of sails, spars, &c. |
| Anita | | Schooner | Sackville, N.B. | Crookhaven | Deals | Leaky; loss of spars, sails, &c. |
| Arcangelo | Genoa, Italy | Barque | New York | Gloucester, G.B. | Grain, flour, &c. | Leaky; rudder damaged, &c. |
| Lizzie and Emma | Charlottetown | Schooner | Summerside, P. E. I. | Holmes Hole, U.S. | Potatoes | Stranded; leaky. |
| Kate Covert | St. John, N.B. | Barque | New York | Hamburg | General cargo | Leaky; hull damaged; loss of sails, &c. |

APPENDIX No. 77.

REPORT OF THE PORT WARDEN FOR THE PORT OF NORTH SYDNEY,
C.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

NORTH SYDNEY, C.B., 31st December, 1878.

SIR,—I beg to hand you herewith my report as Port Warden of North Sydney for the past year.

You will notice a great falling off of bunker steamers during the past year as compared with the former year, and that the receipts of the office are very little in excess of its expenses.

Vessels bound foreign, and calling at this port for bunker coal, grain laden, avail themselves with satisfaction of my services, but vessels loading at this port with coal, with scarcely an exception, do not ask for a certificate of seaworthiness, which, in many cases, I would have to refuse, as they frequently load too deep. I would like explicit instructions as to my duty in this point.

During the past year I have been called upon to survey and report on vessels, cargoes and hatches on sixty occasions.

The total number of vessels visited were forty, which consisted of—

| | |
|---|----|
| Steamers for bunker, coal, grain laden..... | 15 |
| do injured and requiring repairs | 5 |
| Sailing vessels do do | 11 |
| Surveys of cargo..... | 6 |
| do hatches..... | 3 |
| | 40 |

The total fees received at this office during the past year in accordance with the annexed scale of fees, which have been approved by the Cape Breton Board of Trade, were \$365.25.

The expenses in connection with the office were as follows:

| | |
|---------------------------------|-------|
| For office rent and fuel..... | \$ 44 |
| do Printing and stationery..... | 12 |
| do Clerk | 160 |
| | \$216 |

Five reports of auction sales have been filed in this office during the year.

I have the honor to be, Sir,
Your most obedient servant,

ANDREW NISBET,
Port Warden.

The Honorable
The Minister of Marine and Fisheries,
Ottawa.

SCALE OF FEES.

| | |
|--|--------|
| First survey of hatches, and certificate..... | \$2 50 |
| Every subsequent survey of cargo, and certificate..... | 2 00 |
| Survey of cargo when hatches have not been previously surveyed, and certificate..... | 5 00 |
| Every survey of damaged goods on wharf or in store, value under \$200, and certificate..... | 3 00 |
| Every survey of damaged goods on wharf or in store, value \$200 and under 500, and certificate..... | 4 00 |
| Every survey of damaged goods on wharf or in store, value \$500 and over, and certificate..... | 5 00 |
| Survey of vessel damaged or arriving in distress, and certificate..... | 8 00 |
| Every subsequent survey, and certificate..... | 5 00 |
| Valuation of a vessel for average—under 200 tons, and certificate | 5 00 |
| Valuation of a vessel for average—over 200 tons, and under 500 tons, and certificate | 7 50 |
| Valuation of a vessel for average— 500 tons and upwards, and certificate | 10 00 |
| Survey of cargo reported to have shifted, and certificate.... | 5 00 |
| All extra copies of certificates when required..... | 0 50 |
| For certificate under seal | 1 00 |
| Hearing and settling disputes between master and consignee of ship, and owners of cargo. \$200 value, \$2.00; \$200 to \$500, \$3.00; \$500 to \$1,000 \$4.00; \$1,000 and over, \$5.00..... | |
| Filing papers of auctioneers, &c | 0 25 |
| Ascertaining if vessel is seaworthy, and certificate. | 8 00 |
| Survey that repairs ordered if not seaworthy have "been made, and certificate, 200 tons and under, \$3.00; all over 200 tons, \$5.00..... | |
| General superintendence of a vessel loading..... | 5 00 |
| Vessels putting in in distress or otherwise, from Foreign Ports for every 1,000 bushels and every proportionate quantity of Wheat and Peas, 15cts. For every 1,000 bushels and every proportionate quantity of Barley 12cts. For every 1,000 bushels and every proportionate quantity of Oats, 10cts. For every 1,000 bushels and every proportionate quantity of Corn, 10cts. For every 1,000 barrels Flour, 75cts. Coal Oil per barrel, $\frac{1}{2}$ cent. Ores and Minerals per ton, Ballast excepted, 4cts..... | |
| Lumber and all other descriptions of Timber per ton weight. | 0 02 |

APPENDIX No. 78.

REPORT OF THE PORT WARDEN OF PICTOU, N. S., FOR THE CALENDAR
YEAR ENDING 31st DECEMBER, 1878.

Receipts and expenditure of the Port Warden, Pictou, from April 1st, till 31st
December, 1878 :—

| | |
|---|----------------|
| May 14th, survey of schooner "A. H. C.," of Halifax | \$ 4 00 |
| June 22nd, do brig "Fanny," of P. E. Island..... | 5 00 |
| July 10th, do "Sarah," do | 12 00 |
| Sept. 22nd, do steamer "Greenland," Newfoundland. | 16 00 |
| do do brig "Premier," Halifax..... | 5 00 |
| Nov. 22nd, do bark "L. D. Chipman," St. John | 16 00 |
| | <u>\$58 00</u> |

Expenditure :—

| | |
|---------------------|----------------|
| Rent of Office..... | \$ 4 00 |
| Stamp and Seal..... | 12 00 |
| | <u>\$16 00</u> |

I am, Sir,
Your obedient servant,

DANIEL McDONALD.

Pictou, N. S., December 31st, 1878.

APPENDIX No. 79.

REPORT OF THE PORT WARDEN OF PORT HAWKESBURY, N.S., FOR
THE CALENDER YEAR ENDING 31st DECEMBER, 1878.

PORT HAWKESBURY, 31st December, 1878.

SIR,—I have the honour to submit my annual report of the affairs of this office, accompanied by a statement of fees collected by me during the past year.

Enclosed please find list of vessels that arrived in a damaged condition at this port during the past year on which surveys have been held by the Port Warden. All the damaged vessels that came to the port were repaired, and they proceeded to their ports of destination, but the schooner "Speed," and she is now ready to leave port.

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

DANIEL W. HENESEY,

Port Warden.

WILLIAM SMITH, Esq.,

Deputy Minister Marine & Fisheries,
Ottawa.STATEMENT of the Receipts and Expenditure of the Port Warden at Port Hawkes-
bury, for the Year ending 31st December, 1878.

| | \$ | cts. | | \$ | cts. |
|--|-----|------|---------------------|-----|------|
| To Fees for surveys on schooner "Swan" | 23 | 00 | Paid surveyors..... | 10 | 00 |
| 2 surveys on schooner "Emilienne"... | 23 | 00 | do | 10 | 00 |
| do do "Bloomingdale" | 33 | 00 | do | 20 | 00 |
| do do "Water Lilly" .. | 23 | 00 | do | 10 | 00 |
| do do "Four Brothers" | 23 | 00 | do | 10 | 00 |
| 2 surveys and attendance, brigantine "Carmenta" | 36 | 00 | do | 20 | 00 |
| 2 surveys on schooner "Tracey Jane" | 23 | 00 | do | 10 | 00 |
| 1 survey on schooner "H.H. McCurdy" | 13 | 00 | do | 5 | 00 |
| 2 do do "Speed" | 23 | 00 | do | 10 | 00 |
| | 220 | 00 | | | |
| To Amount reverting to Port Warden..... | 105 | 00 | do | 105 | 00 |
| | 115 | 00 | | | |

D. W. HENESEY,

Port Warden.

PORT HAWKESBURY, 31st December, 1878.

List of Damaged Vessels Surveyed by the Port Warden at Port Hawkesbury.

| Name of Vessel. | Where from. | Rig. | Where Bound. | Port of Registry. | Cargo. | Ballast. | Nature of Damage. |
|---------------------|---------------------------|-------------|-----------------------|-----------------------|----------------|---------------|-------------------------------|
| Swan | Cape Canso. | Schooner. | Pictou. | Halifax. .... | ..... | Ballast. | Stranded; hull damaged. |
| Emilienne | Wallace .. | do | St. Johns, Nfld. | Wallace. | Stone. .... | ..... | do do |
| Bloomingdale. | St. Pierre. | do | Port Hood. | Port Hawkesbury. .... | ..... | Ballast. | Fore-mast broken; sails torn. |
| Water Lilly. | Charlottetown. | do | New York. | Yarmouth. | Potatoes. .... | ..... | Stress of weather; leaky. |
| Four Brothers. | Cape Canso. | do | Boston. | Sydney. | do | Ballast. | Stranded; damaged cargo. |
| Carmenta | Queenstown, Ireland. | Brigantine. | Charlottetown. | P. E. Island. .... | ..... | do | Stranded; hull damaged. |
| Tracey Jane. | Arichat. | Schooner. | New York. | Halifax. | Potatoes. .... | ..... | do do |
| H. H. McCurdy. | Port Hood. | do | Port Hood. | do | ..... | Ballast. | do do |
| Speed | Cariboo Cove. | do | P. E. Island. | St. Johns, Nfld. .... | ..... | do | do do |

APPENDIX No. 80.

REPORT OF THE PORT WARDEN FOR THE PORT OF SYDNEY, C.B.
FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

SYDNEY, C.B., 31st December, 1878.

The total number of steamers for bunker coals and requiring surveys on cargo, hatches and certificates from Port Warden : Steamers for bunker coals, grain laden, five.

| | | \$ | cts. | | \$ | cts. |
|-------------|----------------------------------|----|------|------------------------------------|----|-------|
| June 5... | Steamer "Copia" :— | | | Expense of Office :— | | |
| | Survey on hatches and cargo..... | 5 | 00 | Rent of office..... | 20 | 00 |
| | Certificate..... | 3 | 00 | Seal and office books..... | 16 | 00 |
| do 23... | Steamer "Bothel" :— | | | Printing and stationery..... | 21 | 20 |
| | Survey on hatches and cargo..... | 5 | 00 | | | 57 20 |
| | Certificate..... | 3 | 00 | | | |
| July 3... | Steamer "Peer of the Realm" :— | | | | | |
| | Survey on hatches and cargo..... | 5 | 00 | | | |
| | Certificate..... | 3 | 00 | | | |
| Aug. 9... | Steamer "Copia" :— | | | | | |
| | Survey on hatches and cargo..... | 5 | 00 | | | |
| | Certificate..... | 3 | 00 | | | |
| Sept. 13... | Steamer "Reupor" :— | | | | | |
| | Survey on hatches and cargo..... | 5 | 00 | | | |
| | Certificate..... | 3 | 00 | | | |
| | | 40 | 00 | Port Warden's loss for the year... | 17 | 80 |

JOHN LORWAY,

Port Warden.

Dated at Sydney, C.B., this 31st day of December, 1878.

Sworn to before me,

CHARLES MUGGOT, J.P.

APPENDIX No. 81.

STATEMENT of Receipts and Expenditure connected with the Office of Port Warden for the Ports of Victoria and Esquimalt, from 31st December, 1877, to 31st December, 1878.

| | | To Amounts received for surveys, &c. :— | | | \$ | cts. |
|------------|-------|---|---------------------------|--------------------------|-----|------|
| Jan. | 17... | Survey of goods ex | "Lady Lampson," | Rickman & Ofner | 5 | 00 |
| do | 23... | do | do | Stahlschmidt & Ward | 5 | 00 |
| do | 23... | do | do | A. B. Gray | 5 | 00 |
| do | 23... | do | do | Bagnall | 5 | 00 |
| do | 26... | do | do | Turner & Co. | 5 | 00 |
| do | 26... | do | do | W. and J. Wilson | 5 | 00 |
| do | 26... | do | do | Findlay, Durham & Brodie | 3 | 00 |
| do | 26... | do | do | Casamayou & Co. | 5 | 00 |
| do | 26... | do | do | Rome & Co. | 5 | 00 |
| do | 26... | do | do | Stewart & Keast | 4 | 00 |
| do | 26... | do | do | W. Fisher | 3 | 00 |
| do | 26... | do | do | Langley & Co. | 5 | 00 |
| do | 26... | do | do | Welch, Rithet & Co. | 3 | 00 |
| do | 26... | do | do | A. Carr | 3 | 00 |
| do | 26... | do | do | Englehardt & Co. | 4 | 00 |
| do | 26... | do | do | Rev. H. Hall | 3 | 00 |
| do | 26... | do | do | Rev. Duncan | 3 | 00 |
| do | 26... | do | do | Rev. Collinson | 3 | 00 |
| do | 26... | do | do | Fellowes & Roscoe | 5 | 00 |
| do | 26... | do | do | E. Brown | 5 | 00 |
| do | 26... | do | do | Matthews, Richards & Tye | 5 | 00 |
| do | 26... | do | do | Henry Short | 3 | 00 |
| do | 26... | do | do | Hudson Bay Co. | 20 | 00 |
| Feb. | 7... | Survey of hull of barque | "Lulalila," | | 16 | 00 |
| do | 22... | do | goods ex "Lady Lampson," | Ed. Marvin | 3 | 00 |
| do | 22... | do | do | E. Brown | 5 | 00 |
| do | 22... | do | do | — McQuade | 5 | 00 |
| do | 22... | do | do | Rhodes & Co. | 5 | 00 |
| do | 25... | do | do | Turner & Co. | 5 | 00 |
| do | 25... | Two surveys on board | do | | 32 | 00 |
| do | 25... | Survey of goods ex | do | Turner & Co. | 4 | 00 |
| March | 4... | do | load mark "Locksley Hall" | | 10 | 00 |
| do | 8... | do | goods ex "Lady Lampson," | Stahlschmidt & Ward | 5 | 00 |
| do | 18... | do | hatches, "Barracouta" | | 5 | 00 |
| do | 23... | do | cargo do | | 25 | 00 |
| April | 2... | do | carboy do | Mrs. Moore | 1 | 50 |
| May | 7... | do | hatches, "Mignon" | | 5 | 00 |
| do | 9... | do | goods ex do | Kwong Lee | 3 | 50 |
| do | 9... | do | cargo do | | 20 | 00 |
| June | 1... | do | hatches, "Princess Royal" | | 8 | 00 |
| do | 17... | do | do "Quickstep" | | 5 | 00 |
| do | 17... | do | cargo and hold do | | 25 | 00 |
| do | 21... | do | goods ex do | Kwong Lee | 3 | 00 |
| do | 21... | do | do do | Findlay & Co. | 5 | 00 |
| July | 1... | do | do "Princess Royal," | Stahlschmidt & Ward | 5 | 00 |
| do | 3... | do | do do | do | 4 | 00 |
| do | 15... | do | cargo and hold do | | 30 | 00 |
| do | 19... | do | hatches, "River Clyde" | | 5 | 00 |
| do | 19... | do | cargo do | | 25 | 00 |
| do | 31... | do | hatches, "Lady Head" | | 8 | 00 |
| Sept. | 17... | do | goods ex do | Findlay & Co. | 3 | 00 |
| do | 19... | do | cargo and hold do | | 28 | 00 |
| do | 23... | do | goods ex do | Hudson Bay Co. | 5 | 00 |
| Nov. | 12... | do | hatches, "Ethel" | | 5 | 00 |
| Dec. | 9... | do | do "Prince Rupert" | | 4 | 00 |
| do | 10... | do | goods ex do | Stahlschmidt & Ward | 5 | 00 |
| do | 10... | do | cargo ex "Ethel" | | 10 | 00 |
| do | 27... | do | "Antioch" | | 32 | 00 |
| Total..... | | | | | 477 | 00 |

I hereby declare this account to be correct.

J. NAGLE,

Port Warden.

Sworn to before me at Victoria, this second day of January, 1879.

A. J. LANGLEY, J. P.

APPENDIX No. 82.

REPORT OF THE SHIPPING MASTER FOR THE PORT OF MONTREAL
FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

CUSTOM HOUSE,
MONTREAL, 17th January, 1879.

SIR,—I have the honor to enclose herewith, statement of fees collected by me for the year ending 31st December, 1878, on account of the following:—

| | |
|---------------------|----------|
| Seamen shipped..... | \$171 00 |
| do dismissed | 47 40 |
| Forms sold..... | 2 00 |
| | \$220 00 |

Being the amount collected by me, as Shipping Master, from 1st January to October 1878, when Mr. George Smith was appointed to the office.
The amount has been placed to my credit.

I have the honor to be, Sir,
Your most obedient servant,

W. B. SIMPSON,
Collector.

Wm. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RETURN to the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., chap. 129, by the Shipping Master, or Officer acting in that capacity, at the Port of Montreal, in the Province of Quebec, for the half year ended 30th June, 1878.

| | |
|---|---------|
| 154 seamen shipped, paying 50 cents each..... | \$77 00 |
| 40 seamen discharged, paying 30 cents each..... | 12 00 |
| For articles of agreement..... | 9 00 |
| | \$98 00 |
| Amount of fees received..... | \$98 00 |
| Amount reverting to Shipping Master..... | \$98 00 |

W. B. SIMPSON,
Shipping Master.

MONTREAL, 30th June, 1878.

RETURN to the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., chap. 129, by the Shipping Master, or Officer acting in that capacity, at the Port of Montreal, in the Province of Quebec, for the year ended 31st December, 1878.

| | |
|--|----------|
| 188 seamen shipped, paying 50 cents each..... | \$94 00 |
| 118 seamen discharged, paying 30 cents each..... | 35 40 |
| Forms..... | 2 00 |
| | <hr/> |
| Amount of fees received..... | \$131 40 |
| | <hr/> |
| Amount reverting to Shipping Master..... | \$131 40 |

My duties as Shipping Master ceased in the month of October last, when a new Officer was appointed.

W. B. SIMPSON,
Shipping Master.

MONTREAL, 31st December, 1878.

RETURN to the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., chap. 120, by the Shipping Master, or Officer acting in that capacity, at the Port of Montreal, in the Province of Quebec, from 26th October to 31st December, 1878.

| | |
|---|---------|
| 54 seamen shipped, paying 50 cents each..... | \$27 00 |
| 49 seamen discharged, paying 30 cents each..... | 14 70 |
| | <hr/> |
| Amount of fees received..... | \$41 70 |

From which deduct the following expenses, viz.:—

| | | |
|---------------------------|---------|---------|
| Paid for blank forms..... | \$20 43 | |
| Less recouped..... | 2 50 | |
| | <hr/> | 17 93 |
| Paid for office rent..... | | 15 00 |
| | | <hr/> |
| | | \$32 93 |

Amount reverting to Shipping Master..... \$8 77

I have respectfully to call your attention to the fact that the appointment was only surrendered to me on the 26th of October last, by Mr. Simpson, although ready to perform the duty from the date of my appointment.

GEORGE SMITH,
Shipping Master.

MONTREAL, 31st December, 1878.

APPENDIX No. 83.

REPORT OF THE SHIPPING MASTER FOR THE PORT OF QUEBEC FOR
THE CALENDAR YEAR ENDED 31st DECEMBER 1878.

SHIPPING MASTER'S OFFICE,

QUEBEC, 2nd January, 1878.

SIR,—I have the honor to forward you my yearly return of fees received and disbursements made at the Shipping Office, Quebec, from 1st January to the 31st day of December, 1878. The vouchers for the expenditure and the fees received, were handed monthly to Mr. J. U. Gregory, in accordance with your instructions.

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

BENJAMIN TRUDEL,

Shipping Master.

WM. SMITH, Esq.,

Deputy Minister of Marine and Fisheries,
Ottawa.

CR.

STATEMENT.

DR.

| | \$ | cts. | 1878. | \$ | cts. |
|---|-----|------|--|----|--------|
| Statement of the Amount of Fees received at the Shipping Office, Quebec, for the year from 1st January to 31st December, 1878.— | | | | | |
| <i>British Ships.</i> | | | | | |
| 395 seamen shipped, at 50 cents..... | 197 | 50 | | | |
| 126 do discharged, at 30 cents..... | 37 | 80 | | | |
| <i>Dominion Ships.</i> | | | | | |
| 659 seamen shipped, at 50 cents..... | 329 | 50 | Sept. 30... | | |
| 240 do discharged, at 30 cents..... | 72 | 00 | do 30... Oct. 21... Nov. 1... do 4... do 20... do 20... do 24... Dec. 13... do 13... do 13... do 13... | | |
| <i>Foreign Ships.</i> | | | | | |
| 80 seamen shipped, at 50 cents..... | 40 | 00 | | | |
| <i>Seamen's Extension Act, 1873, 38 Vicl., 1875.</i> | | | | | |
| 17 seameu shipped, at 40 cents..... | 6 | 80 | do 13... | | |
| | 683 | 60 | | | |
| Statement of Payments made during same period:— | | | | | |
| By Paid passage for a Seaman of ship "Magnolia" to Halifax..... | | | | | 9 35 |
| Deputy Minister for 8 log books..... | | | | | 2 00 |
| Subscription to <i>Morning Chronicle</i> | | | | | 6 00 |
| do Post Office letter box..... | | | | | 1 50 |
| F. O. Vallerand, coal oil lamp..... | | | | | 2 50 |
| W. Dawson, register for ships articles..... | | | | | 10 92 |
| C. Cherrier, Quebec Directory..... | | | | | 3 00 |
| V. Bélanger, cash box for office..... | | | | | 5 00 |
| Mary Brennan, washing and cleaning offices..... | | | | | 2 50 |
| Postage during the half-year..... | | | | | 1 50 |
| Middleton & Dawson, Merchant Navy List..... | | | | | 4 00 |
| M. Brenna', washing windows, office, &c..... | | | | | 2 50 |
| Petty postage for the quarter..... | | | | | 0 73 |
| C. E. Hollwell's account for stationery..... | | | | | 25 60 |
| Mrs. Waite, washing office towels..... | | | | | 2 00 |
| F. M. D'chene, towels, soap, water jug, &c..... | | | | | 3 00 |
| Ticket to Boston for distressed seaman..... | | | | | 8 50 |
| Telegrams from and to Gaspé and carriage..... | | | | | 2 65 |
| M. Brennan, washing, and cleaning office..... | | | | | 3 50 |
| P. Waite, 12 day's service in office..... | | | | | 18 00 |
| Postage of ships articles and log books to Ennland..... | | | | | 00 73 |
| John Brown, carpenter's work, repairing office..... | | | | | 15 70 |
| Samuel J. Shaw, hardware, &c..... | | | | | 4 35 |
| By Balance handed to Mr. J. U. Gregory..... | | | do 13... | | 548 07 |
| | 683 | 60 | | | |

41 British seamen of steamship "Lake Megantic," wrecked.
 41 Dominion do "Lake Bechem," do
 21 British do "Vindolana," do
 Were discharged, for which no fees were charged.

103 seamen.

Certified,

BENJAMIN TRUDEL,
Shipping Master.

QUEBEC, 31st December, 1878.

APPENDIX No. 84.

REPORT OF THE SHIPPING MASTER FOR THE PORT OF ST. JOHN,
N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1878.

SHIPPING OFFICE,

ST. JOHN, N.B., 5th July, 1878.

SIR,—I enclose herewith statement of the business transacted at this office for the half-year ended 30th June, showing an increase of two men shipped and discharged over the estimated number for the corresponding period last year; monthly wages have ranged from \$8 to \$16, and runs from \$20 to \$30, being at the latter figures at this date.

I am Sir,
Your obedient servant,

ALLAN McLEAN,
Shipping Master.

STATEMENT.

| | |
|--------------------------------------|-------------------|
| 1,597 men shipped, at 50 cents..... | \$798 50 |
| 755 men discharged, at 30 cents..... | 226 50 |
| | <u>\$1,025 00</u> |

LESS.

| | |
|---|-----------------|
| Assistant's salary and incidental expenses..... | \$433 01 |
| Net income of office..... | <u>\$591 99</u> |

Sir ALBERT J. SMITH,
Minister of Marine, &c.,
Ottawa.

SHIPPING OFFICE,

ST. JOHN, N.B., 4th January, 1879.

SIR,—I herewith forward you statement of the business transacted at this office, for the half-year ended 31st December, 1878, showing an increase of 109 men shipped and discharged over the corresponding period last year. The business depression has kept wages low, the amounts paid varying from \$18 to \$14 by the month and \$30 to \$20 by the run to the United Kingdom, at which latter figures they remain at present.

Thinking it may be a matter of interest, I also forward a statement showing the nationalities of the seamen shipped at this port during the year, by which it will be seen that more than half of the entire number are natives of Canada, and that our ships are manned in a great measure by our own men.

I am Sir,
Your obedient servant,

ALLAN McLEAN,
Shipping Master.

Hon. J. C. POPE,
Minister of Marine, &c.,
Ottawa.

STATEMENT

Of business transacted at the Shipping Office, Port of St. John, N.B., for the half-year ended 31st, December, 1878 :

| | |
|-------------------------------------|------------|
| 2,077 men shipped, at 50 cents..... | \$1,033 50 |
| 865 " discharged, at 30 cents..... | 259 50 |
| | <hr/> |
| | \$1,293 00 |

LESS.

| | |
|---|----------|
| Assistant's salary and incidental expenses..... | 449 50 |
| Net income of office..... | <hr/> |
| | \$844 50 |

ALLAN McLEAN,
Shipping Master.

St. John, N.B., 4th January, 1879.

STATEMENT showing the nationalities of the seamen shipped at the Port of St. John, N.B., during the year 1878.

| Country. | No. of men shipped. | Country. | No. of men shipped. |
|-------------------------|---------------------|--------------------|---------------------|
| Dominion of Canada..... | 1,840 | Greece..... | 12 |
| United Kingdom..... | 696 | Belgium..... | 9 |
| United States..... | 309 | Spain..... | 7 |
| Sweden..... | 160 | Portugal..... | 5 |
| Norway..... | 155 | Australia..... | 4 |
| Germany..... | 97 | Africa..... | 3 |
| France..... | 73 | South America..... | 3 |
| West Indies..... | 57 | Manilla..... | 2 |
| Finland..... | 48 | India..... | 2 |
| Italy..... | 47 | Malta..... | 2 |
| Denmark..... | 41 | Canaries..... | 1 |
| Holland..... | 32 | Ceylon..... | 1 |
| Newfoundland..... | 23 | Turkey..... | 1 |
| Austria..... | 19 | | |
| Russia..... | 15 | | |
| | | | <hr/> |
| | | | 3,664 |

 APPENDIX No. 85.

 REPORT OF THE SHIPPING MASTER FOR THE PORT OF HALIFAX FOR
 THE CALENDAR YEAR ENDED 31st DECEMBER, 1878.

HALIFAX, N.S., 1st July, 1878.

 SIR,—Enclosed please find statement of income and expenditure in connection
 with this office to 30th June, 1878, which I hope will prove satisfactory.

I am, Sir,

Your most obedient servant,

JOHN D. CUMMINS,

Shipping Master.

WM. SMITH, Esq.,

 Deputy Minister of Marine and Fisheries,
 Ottawa.

 RETURN to the Department of Marine and Fisheries in accordance with the provisions
 of the Act 36 Vic., cap. 129, by the Shipping Master, (or officer acting in that
 capacity,) at the Port of Halifax, in the County of Halifax, in the Province of
 Nova Scotia, for the half-year ended 30th June, 1878.

| | |
|--|----------|
| 1,328 seamen shipped, paying 50 cents each..... | \$664 00 |
| 1,030 seamen discharged, paying 30 cents each..... | 309 00 |

| | |
|------------------------------|----------|
| Amount of fees received..... | \$973 00 |
|------------------------------|----------|

From which deduct the following expenses, viz :

| | |
|---|----------|
| Clerk, office rent, fuel, and incidental expenses. | \$508 00 |
|---|----------|

| | |
|--|----------|
| Amount reverting to Shipping Master..... | \$465 00 |
|--|----------|

 Business has been very dull this season, wages have ruled low for seamen the
 past half-year, never having been over fifteen dollars, either to the United Kingdom,
 West Indies or elsewhere.

JOHN D. CUMMINS,

Shipping Master.

 Halifax, N.S., 1st July, 1878.

SHIPPING OFFICE,

HALIFAX, N.S., 2nd January, 1879.

SIR,—I have the honour to hand you the returns of the Shipping Office at this port for the half-year ending 31st December, 1878.

The one return will show the number of men shipped and discharged to the death of Mr. John D. Cummins, with expenses attending the office as near as I can ascertain.

The other will show the number of men shipped and discharged from the time I have taken charge to the end of the year.

Hoping they will prove satisfactory.

I am, Sir,
Your obedient servant,

W. McNAUGHTON,
Acting Shipping Master.

Wm. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RETURN to the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., cap. 129, by the Shipping Master, (or officer acting in that capacity,) at the port of Halifax, in the County of Halifax, in the Province of Nova Scotia, for the half-year ended 31st December, 1878.

| | |
|--|----------|
| 1,257 seamen shipped, paying 50 cents each..... | \$628 50 |
| 886 seamen discharged, paying 30 cents each..... | 265 80 |

| | |
|------------------------------|----------|
| Amount of fees received..... | \$894 30 |
|------------------------------|----------|

Prom which deduct the following expenses, viz :

| | |
|--------------------------|---------------|
| Assistant..... | \$184 62 |
| Office rent..... | 184 62 |
| Incidental expenses..... | 110 00 |
| | <u>479 24</u> |

| | |
|--|----------|
| Amount reverting to Shipping Master..... | \$415 06 |
|--|----------|

Owing to the large number of men being ashore this past half-year wages have only been fifteen dollars per month for West Indies, United Kingdom or elsewhere.

W. McNAUGHTON,
Acting Shipping Master.

Halifax, N.S., 2nd January, 1879.

RETURN to the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., cap. 129, by the Shipping Master, (or officer acting in that capacity) at the port of Halifax, in the County of Halifax, in the Province of Nova Scotia, for the half-year ended 31st December, 1878.

| | |
|---|---------|
| 83 seamen shipped, paying 50 cents each..... | \$41 50 |
| 94 seamen discharged, paying 30 cents each..... | 28 20 |
| | <hr/> |
| Amount of fees received..... | \$69 70 |

From which deduct the following expenses, viz :

| | |
|------------------|---------|
| Office rent..... | \$15 38 |
| Assistant..... | 16 00 |
| Expenses | 8 00 |
| | <hr/> |
| | 39 38 |

Amount reverting to Shipping Master \$30 32

W. McNAUGHTON,

Acting Shipping Master.

Halifax, N.S., 2nd January, 1879.

APPENDIX No. 86.

REPORT OF THE SHIPPING MASTER OF THE PORT OF LIVERPOOL,
N.S., FOR THE CALENDAR YEAR ENDING 31st DECEMBER, 1878.

LIVERPOOL, N.S., 27th July, 1878.

SIR,—I herewith enclose returns of seamen shipped and discharged at this office during the six months ended 30th June, 1878, which I trust you will find in order. Please excuse the delay in not forwarding the returns sooner, as they were mislaid in this office.

I am, Sir,
Your most obedient servant,

W. A. KENNEY,
Shipping Master.

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

RETURN to the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., chap. 129, by the Shipping Master, or (officer acting in that capacity), at the Port of Liverpool, in the Province of Nova Scotia, for the half-year ending 30th June, 1878.

| | |
|--|----------|
| 422 seamen shipped, paying 50 cents each..... | \$211 00 |
| 212 seamen discharged, paying 30 cents each..... | 63 60 |
| | <hr/> |
| Amount of fees received..... | \$274 60 |

From which deduct the following expenses viz.:—

| | |
|----------------------------|---------|
| Office rent and taxes..... | \$33 50 |
| Fuel, stationery, &c. | 10 00 |
| | <hr/> |
| | 43 50 |

| | |
|--|----------|
| Amount reverting to Shipping Master..... | \$231 10 |
|--|----------|

W. A. KENNEY,
Shipping Master.

LIVERPOOL, N.S., 30th June, 1878.

LIVERPOOL, N.S., 2nd January, 1879.

SIR,—I herewith enclose returns of seamen shipped and discharged at this office during the half-year ended 31st December, 1878, which I trust you will find in order.

I am, Sir,

Your most obedient servant,

W. A. KENNEY,

Shipping Master.

WM. SMITH, Esq.,

Deputy Minister of Marine and Fisheries,
Ottawa.

RETURN to the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., chap. 129, by the Shipping Master (or officer acting in that capacity) at the Port of Liverpool, in the County of Queens, in the Province of Nova Scotia, for the half-year ended 31st December, 1878.

| | |
|--|----------|
| 223 seaman shipped, paying 50 cents each..... | \$111 50 |
| 323 seamen discharged, paying 30 cents each..... | 96 90 |
| | <hr/> |
| Amount of fees received | 208 40 |

From which deduct the following expenses, viz. :—

| | |
|----------------------------|---------|
| Office rent and taxes..... | \$33 00 |
| Fuel, stationery, &c..... | 10 00 |
| | <hr/> |
| | 43 00 |

Amount reverting to Shipping Master..... \$165 40

W. A. KENNEY,

Shipping Master.

LIVERPOOL, N.S., 31st December, 1878.

APPENDIX No. 87.

REPORT OF THE SHIPPING MASTER FOR THE PORT OF YARMOUTH,
N.S., FOR THE CADENDAR YEAR ENDED 31st DECEMBER, 1878.

SIR,—I have the honour to hand you returns of the shipping office of this Port for the half-year ended 30th June, 1878, showing a small increase compared with the corresponding half-year ended 30th June, 1877. Average rate of wages \$16.

C. W. CLEMENTS,
Shipping Master.

Yarmouth, N.S., 3rd July, 1878.

RETURN to the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., cap. 129, by the Shipping Master, (or officer acting in that capacity,) at the Port of Yarmouth, in the County of Yarmouth, in the Province of Nova Scotia, for the half-year ended June 30th, 1878.

| | |
|--|----------|
| 292 seamen shipped, paying 50 cents each..... | \$146 00 |
| 280 seamen discharged, paying 30 cents each..... | 84 00 |

| | |
|------------------------------|----------|
| Amount of fees received..... | \$230 00 |
|------------------------------|----------|

From which deduct the following expenses, viz. —

| | |
|------------------------------------|--------------|
| Office rent | \$37 50 |
| Fuel and incidental expenses | 5 00 |
| | <u>42 50</u> |

| | |
|--|----------|
| Amount reverting to Shipping Master..... | \$186 50 |
|--|----------|

SIR,—I have the honour to hand you the returns of the shipping office at this Port for the half-year ending 31st December, 1878, showing increase of 86 men shipped, as compared with the corresponding half-year ended 31st December, 1877; the result is owing to the 9 new ships sailing from here this fall. Wages \$14.

I am Sir,
Your most obedient servant,

C. W. CLEMENTS,
Shipping Master.

Hon. J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

RETURN to the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., cap. 129, by the Shipping Master, (or officer acting in that capacity) at the Port of Yarmouth, in the County of Yarmouth, in the Province of Nova Scotia, for the half year ended December 31st, 1878.

| | |
|--|----------|
| 460 seamen shipped, paying 50 cents each..... | \$230 00 |
| 217 seamen discharged, paying 30 cents each..... | 65 10 |

| | |
|------------------------------|----------|
| Amount of fees received..... | \$295 10 |
|------------------------------|----------|

From which deduct the following expenses, viz. —

| | |
|---------------------------|----------------|
| Office rent..... | \$37 50 |
| Incidental expenses | 12 00 |
| | <u>\$49 50</u> |

| | |
|--|----------|
| Amount reverting to Shipping Master..... | \$245 60 |
|--|----------|

Yarmouth, Nova Scotia, 31st December, 1878.

APPENDIX No. 88.

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, 1878.

QUEBEC.

| Name of Port. | Name of County. | Name of Shipping Master. | For Half-year ended 30th June, 1878. | | For Half-year ended 31st December, 1878. | | Total Seamen Shipped. | Total Seamen Discharged. | Total Amount. |
|------------------|-----------------|--|--------------------------------------|--------------------|--|--------------------|-----------------------|--------------------------|---------------|
| | | | Seamen Shipped. | Seamen Discharged. | Seamen Shipped. | Seamen Discharged. | | | |
| Escoumains | Bonaventure | John E. Barry | | | | | | | |
| Gaspé | Gaspé | Ernest Tétu | 5 | 4 | No return. | No return. | | | |
| Magdalen Islands | Gaspé | J. J. Fox | | 17 | No charge | No return. | | | |
| Montreal | Montreal | { W. B. Simpson } { Geo. Smith. ... } | 154 | 40 | 89 00 | 167 | 171 10 | 207 | 280 10 |
| New Carlisle | Bonaventure | W. Montgomery | 9 | | 4 50 | No return. | | | |
| Percé | Gaspé | G. LeBoutillier | 1 crew. | | 1 70 | | | | 1 70 |
| Quebec | Quebec | B. Trudel | 453 | 115 | 269 60 | 354 | 424 00 | 469 | 683 60 |
| Rimouski | Rimouski | P. L. Gauvreau | | | | | | | |
| St. John's | St. John's | E. D. Phillips | | | | No return. | No return. | | |
| Sorel | Richelieu | G. Pettier | | | | No return. | No return. | | |
| Three Rivers | Three Rivers | C. H. Godby | | | | No return. | No return. | | |

STATEMENT showing results of certain Returns respecting shipping and discharging of seamen, &c.—Continued.
NOVA SCOTIA.

| Name of Port. | Name of County. | Name of Shipping Master. | For Half-year ended 30th June, 1878. | | | For Half-year ending 31st December, 1878. | | | Total Seamen Shipped. | Total Seamen Discharged. | Total Amount. |
|--------------------|------------------|--------------------------|--------------------------------------|--------------------|---------|---|--------------------|---------|-----------------------|--------------------------|---------------|
| | | | Seamen Shipped. | Seamen Discharged. | Amount. | Seamen Shipped. | Seamen Discharged. | Amount. | | | |
| Advocate | Cumberland..... | C. Ward. | 6 | 3 | \$ 3 90 | ..... | ..... | ..... | Deficient returns. | \$ cis | |
| Amherst. | Cumberland..... | Nathan Tupper | 10 | ..... | 5 00 | ..... | ..... | ..... | ..... | ..... |  |
| Annapolis..... | Annapolis..... | A. Fullerton | 75 | 10 | 40 50 | 42 | 40 | 33 00 | 117 | 50 | 73 50 |
| Antigonish | Antigonish | H. McPhie | 3 | 9 | 4 20 | No return. | No return. | ..... | Deficient returns. | ..... | ..... |
| Apple River..... | Cumberland..... | J. W. Ward. .... | ..... | 2 | 0 60 | 17 | 5 | 10 00 | 17 | 7 | 10 60 |
| Arichat..... | Richmond | D. C. C. Madden | 128 | 51 | 79 30 | 86 | 100 | 73 00 | 214 | 151 | 152 30 |
| Aspey Bay | Victoria..... | D. McDonald ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Baddeck | Victoria..... | A. Cameron | 21 | ..... | 10 50 | 5 | 1 | 2 75 | 26 | 1 | 13 25 |
| Barrington..... | Shelburne | D. Sargent | 14 | 4 | 8 20 | 17 | 3 | 9 40 | 31 | 7 | 17 60 |
| Bayfield | Antigonish | E. G. Randall | 14 | ..... | 7 00 | No return. | No return. | ..... | Deficient returns. | ..... | ..... |
| Beliveau Cove..... | Digby. | J. V. Stuart | 20 | 7 | 12 10 | 8 | 15 | 8 50 | 28 | 22 | 20 60 |
| Bear River | Digby..... | D. J. Morse..... | Number not given..... | ..... | 91 00 | 115 | 103 | 88 40 | ..... | ..... | 179 40 |
| Beaver River | Colchester..... | R. Perry..... | ..... | ..... | ..... | No return. | No return. | ..... | Deficient returns. | ..... | ..... |
| Bridgetown..... | Annapolis..... | S. S. Ruggles..... | 2 | 2 | 1 60 | 8 | 4 | 5 20 | 10 | 6 | 6 80 |
| Canada Creek..... | King's..... | C. V. Rawling..... | 14 | ..... | 7 00 | 5 | ..... | 2 50 | 19 | ..... | 9 50 |
| Canso | Guysboro'..... | John Jeffery | 17 | 5 | 10 00 | 15 | 5 | 9 00 | 32 | 10 | 19 00 |
| Clementsport | Annapolis..... | C. F. Ditmars | 31 | 16 | 21 80 | 22 | 15 | 15 50 | 53 | 31 | 37 30 |
| Cornwallis | King's..... | E. Rand | 60 | 21 | 26 30 | 144 | 5 | 73 50 | 204 | 26 | 109 80 |

| | 28 | 13 | 17 90 | 26 | 5 | 14 50 | 64 | 18 | 33 40 |
|------------------------|--|-------|--------|------------|------------|--------|--------------------|--------------------|----------|
| Cape Breton..... | Isaac Archibald..... | | | | | | | | |
| Digby..... | Boisford Vics..... | 43 | 21 50 | 19 | 2 | 10 10 | 62 | 2 | 31 60 |
| Freeport..... | Isaiah Thumber..... | 4 | 2 90 | No return. | No return. | | Deficient returns. | | |
| French Cross..... | J. E. Orpen..... | 3 | 1 80 | 1 | | 0 50 | 4 | 1 | 2 30 |
| Getson s Cove..... | B. Rynard..... | | | | | | No returns. | | |
| Great Bras d'Or..... | D. Campbell..... | 8 | 4 | 7 | 1 | 3 80 | 15 | 1 | 7 80 |
| Guysboro'..... | J. A. Tory..... | 4 | 2 00 | | | | 4 | | 2 00 |
| Halifax..... | J. H. H. Naughton (acting.) Wm. Davison..... | 1,328 | 973 00 | 1,340 | 980 | 964 00 | 2,660 | 2,010 | 1,937 00 |
| Hantsport..... | E. Corbet..... | 13 | 10 10 | No return. | No return. | | Deficient returns. | | |
| Harbour au Bouche..... | Henry Morris..... | 9 | 4 80 | 15 | 9 | 10 20 | 24 | 10 | 15 00 |
| Harbourville..... | E. DeWolf..... | 4 | 3 20 | 4 | 3 | 2 90 | 8 | 7 | 6 10 |
| Horton..... | J. D. Giffin..... | 14 | 7 00 | 9 | 7 | 6 60 | 23 | 7 | 13 60 |
| Isaac Harbour..... | J. Moffat..... | 17 | 8 50 | No return. | No return. | | Deficient returns. | | |
| Joggins..... | M. D. McKenzie..... | 14 | 10 60 | 10 | | 5 00 | 24 | 12 | 15 60 |
| Jordan Bay..... | J. H. Wade..... | 70 | 44 00 | 80 | 40 | 52 00 | 150 | 70 | 96 00 |
| La Have..... | Matthew Roche..... | | | 2 | | 1 00 | 2 | | 1 00 |
| Lingan..... | M. McDonald..... | 2 | 1 00 | No return. | No return. | | Deficient returns. | | |
| Little Bras d'Or..... | James Hemlow..... | 26 | 15 40 | 13 | 11 | 9 80 | 39 | 19 | 25 20 |
| Little Glace Bay..... | W. A. Kenney..... | 422 | 274 60 | 223 | 323 | 208 40 | 645 | 535 | 483 00 |
| Liscomb..... | George Stalker..... | 350 | 249 90 | 234 | 265 | 178 50 | 584 | 448 | 456 40 |
| Liverpool..... | Robert Dill..... | | | | | | | Deficient returns. | |
| Lockeport..... | W. H. McAlpine..... | 21 | 10 50 | 1 | | 0 50 | 22 | | 11 00 |
| Londonderry..... | Joseph Crichton..... | 304 | 202 40 | 286 | 212 | 206 60 | 500 | 380 | 409 00 |
| Louisburg..... | | | | | | | | | |
| Lunenburg..... | | 168 | | | | | | | |

STATEMENT showing results of certain Returns respecting Shipping and discharging of Seamen, &c.—Continued.

NOVA SCOTIA.—Continued.

| Name of Port. | Name of County. | Name of Shipping Master. | For half-year ended 30th June, 1878. | | | For half-year ended 31st December, 1878. | | | Total Seamen Shipped. | Total Seamen Discharged. | Total Amount. |
|----------------------|------------------|--------------------------|--------------------------------------|--------------------|---------|--|--------------------|--------------------|-----------------------|--------------------------|---------------|
| | | | Seamen Shipped. | Seamen Discharged. | Amount. | Seamen Shipped. | Seamen Discharged. | Amount. | | | |
| Mahone Bay | Lunenburg..... | Charles D. Mader..... | 4 | | \$ 2 00 | 10 | 10 | 14 | 10 | \$ 10 00 | |
| Main & Dieu | Cape Breton..... | Geo. Rigby | | | | | | | | | |
| Maitland | Hants | Alex. Roy | 12 | | 6 00 | No return. | No return. | Deficient returns. | | | |
| Margaree | Inverness..... | James Ross..... | | | | | | | | | |
| Margaretsville | Annapolis..... | D. W. Larders..... | 13 | | 6 50 | No return. | No return. | Deficient returns. | | | |
| Merigomish | Pictou..... | Robert Murray | | | | | | | | | |
| North Sydney | Cape Breton..... | Albert Corbett..... | 54 | 43 | 39 80 | 208 | 159 | 262 | 212 | 201 60 | |
| Parrsborough..... | Cumberland | A. S. Townshend..... | | | | No return. | No return. | Deficient returns. | | | |
| Pictou | Pictou | M. Campbell | 149 | 58 | 91 90 | 182 | 113 | 331 | 171 | 216 80 | |
| Port Aeadie..... | Digby | A. Bourneuf | 22 | 6 | 12 80 | 31 | 31 | 53 | 37 | 37 60 | |
| Port Caledonia..... | Cape Breton..... | J. MacKinnon..... | 12 | 5 | 7 50 | 4 | 3 | 16 | 8 | 10 4 | |
| Port Gilbert | Digby | R. Sanderson | 65 | 36 | 43 30 | No return. | No return. | Deficient returns. | | | |
| Port Hood | Inverness | E. D. Tremain | 9 | 1 | 4 80 | No return. | No return. | Deficient returns. | | | |
| Port la Tour..... | Shelburne | J. Swain | 12 | | 6 00 | | | 12 | | 6 00 | |
| Port Medway | Queen's | J. J. Letson | 47 | 23 | 30 40 | 37 | 25 | 84 | 48 | 56 40 | |
| Port Mulgrave | Guysboro'..... | D. Murray, jun..... | 10 | 1 | 5 30 | 8 | 8 | 18 | 9 | 11 70 | |

| Port William | King's | G. S. Lockwood | No return | 10 | 5 00 | Deficient returns. | 5 00 |
|-------------------|-------------|-------------------|-----------|-----------|--------|--------------------|--------------------|
| Yarmouth | Yarmouth | P. S. D'Entremont | No return | 32 | 16 00 | Deficient returns. | 16 00 |
| Cumberland | Cumberland | J. H. Black | 13 | No return | 12 50 | do | 12 50 |
| Ratchford's River | | F. F. Hatfield | 9 | 23 | 4 50 | 10 | 19 00 |
| Port Richmond | Richmond | A. McDonald | 4 | 2 | 2 00 | 4 | 4 20 |
| St. Ann's | Cape Breton | D. McAuley | | 3 | 1 50 | 3 | 1 50 |
| St. Mary's River | Gaysboro' | A. P. McKenzie | | 3 | 2 10 | 2 | 2 10 |
| S. Peter's | Richmond | Donald Urquhart | 9 | 4 | 2 90 | 13 | 7 40 |
| Sheet Harbour | Halifax | M. Macfarlane | 7 | No return | 3 50 | Deficient returns. | 3 50 |
| Shelburne | Shelburne | W. F. Atwood | 58 | 24 | 29 60 | 8 | 14 40 |
| Ship Harbour | Halifax | Edgar Hill | 3 | | 2 10 | | |
| South Bar | Cape Breton | P. Hullins | | 1 | | | 0 50 |
| Sydney | Cape Breton | R. J. Ingraham | | 5 | 0 30 | 5 | 4 30 |
| Thorne's Cove | Annapolis | E. H. Porter | 45 | 12 | 23 10 | 14 | 33 30 |
| Truro | Colchester | J. T. Crowe | | | | | |
| Tatamagouche | Colchester | J. A. G. Campbell | 5 | 1 | 2 50 | 2 | 3 60 |
| Wallace | Cumberland | W. McNab | 2 | 9 | 1 00 | 11 | 8 80 |
| Walton | Hants | A. McN. Parker | | | | | |
| Weymouth | Digby | Sterns Jones | 21 | 6 | 13 20 | 9 | 16 20 |
| Windsor | Hants | E. O'Brien | 8 | 33 | 5 80 | 15 | 26 80 |
| Wilmot | Annapolis | G. B. Reed | 12 | No return | 6 00 | No return | Deficient returns. |
| Yarmouth | Yarmouth | C. W. Clements | 292 | 460 | 230 00 | 217 | 525 10 |

STATEMENT showing results of certain Returns respecting shipping and discharging of Seamen, &c.—Continued.

PRINCE EDWARD ISLAND.

| Name of Port. | Name of County. | Name of Shipping Master. | For Half-year ended 30th June, 1878. | | For Half-year ended 31st December, 1878. | | Total Seamen Shipped. | Total Seamen Discharged. | Total Amount. |
|----------------------|-----------------|--------------------------|--------------------------------------|--------------------|--|--------------------|-----------------------|--------------------------|--------------------|
| | | | Seamen Shipped. | Seamen Discharged. | Seamen Shipped. | Seamen Discharged. | | | |
| Cascumpec..... | ..... | ..... | No return. | No return. | ..... | ..... | ..... | ..... | \$ cts. |
| Charlottetown..... | Queen's..... | Wm. Koughan..... | 263 | 80 | 358 | 297 | 621 | 377 | 516 50 |
| Orpaud..... | Queen's..... | S. J. B. Leard..... | 2 | ..... | 14 | 1 | 16 | 1 | 8 30 |
| Georgetown..... | King's..... | Chas. Owen..... | 21 | 7 | 104 | 41 | 125 | 48 | 76 90 |
| Malpeque..... | ..... | J. M. Macvorit..... | 2 | ..... | No return. | No return. | { | { | Deficient returns. |
| Montague Bridge..... | King's..... | M. Rowe..... | ..... | ..... | 13 | 4 | 13 | 4 | 7 70 |
| Murray Harbour..... | King's..... | H. J. Brehaut..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Pinette..... | Queen's..... | A. Murchison..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Port Hill..... | Prince..... | W. Hopgood..... | ..... | 13 | 15 | ..... | 15 | 13 | 11 40 |
| St. Peter's Bay..... | King's..... | R. D. McCallum..... | ..... | ..... | 1 | ..... | 1 | ..... | 0 50 |
| Souris..... | King's..... | Jas. Moynagh..... | 38 | 8 | 29 | 10 | 67 | 18 | 38 90 |
| Summerside..... | Prince..... | C. W. Strong..... | 12 | 1 | 58 | 17 | 70 | 18 | 40 50 |
| Tignish..... | ..... | Geo. Conroy, acting. | 6 | ..... | No return. | No return. | { | { | Deficient returns. |
| West Cape..... | Prince..... | Charles Stewart..... | ..... | ..... | do | do | do | do | do |

BRITISH COLUMBIA.

| | | | | | | | | | | |
|-------------------------|----------------------|------------|------------|-------|------------|------------|-------|------------|------------|-------|
| Burrard Inlet | N. Westminster. | 8 | 29 | 12 70 | 28 | 20 | 20 00 | 36 | 49 | 32 70 |
| Esquimalt | Victoria | No return. | No return. | ..... | No return. | No return. | ..... | No return. | No return. | ..... |
| Kootenay | Yale | No return. | No return. | ..... | No return. | No return. | ..... | No return. | No return. | ..... |
| New Westminster | N. Westminster | No return. | No return. | ..... | No return. | No return. | ..... | No return. | No return. | ..... |
| Southern Boundary ..... | ..... | No return. | No return. | ..... | No return. | No return. | ..... | No return. | No return. | ..... |
| Victoria | W. Hamley | 46 | 30 | 32 00 | 30 | 9 | 17 70 | 76 | 39 | 47 70 |

WM. SMITH,
Deputy Minister of Marine.

DEPARTMENT OF MARINE AND FISHERIES,
OTTAWA, 1st January, 1879

 APPENDIX No. 89.

RETURN by the Collector of Customs of the amount of collections of Tonnage Dues at the Harbour of Cow Bay, and amount of Tolls collected on merchandise landed on the pier, during the year ended 31st December, 1878.

| | Tonnage and Wharfage Dues. |
|---|----------------------------------|
| For the quarter ended 31st March, 1878..... | \$ 210 96 |
| do do 30th June, 1878..... | 1,449 79 |
| do do 30th September, 1878..... | 1,149 89 |
| do do 31st December, 1878..... | 276 22 |
| Total | <u>\$3,086 86</u> |

WM. SMITH,

Deputy Minister of Marine and Fisheries.

DEPARTMENT OF MARINE AND FISHERIES,
OTTAWA, 1st January, 1879.

SUPPLEMENT No. 4

TO THE ELEVENTH ANNUAL REPORT OF THE
MINISTER OF MARINE AND FISHERIES
FOR THE YEAR, 1878.

REPORT

OF THE

COMMISSIONER OF FISHERIES

FOR THE YEAR ENDING 31st DECEMBER,

1878.



OTTAWA:
PRINTED BY MACLEAN, ROGER & CO., WELLINGTON STREET,
1879.

CONTENTS.

REPORT OF THE COMMISSIONER OF FISHERIES.

Introduction—Produce and value of the Canadian Fisheries—Comparative Statements for the years 1877 and 1878—General Recapitulation of the Yield and Value of Canadian Fisheries for the year 1878—Fish Trade of Canada—Exports of Fish from Canada during the fiscal year ending 30th June, 1878—Imports of do. for same period—Exports of fish from Canada for the six months ending 31st December, 1878—Imports of do. for same period—Expenditure and Receipts—Licenses issued—Staff of Fishery Officers—Fish Culture—Distribution of Fry—Salmon Angling—General Remarks—Conclusion..... v to xliv.

THE FISHERIES OF CANADA.

ANNUAL REPORT

OF

W. F. WHITCHER, Esq.,

Commissioner of Fisheries.

DEPARTMENT OF MARINE AND FISHERIES,

OTTAWA, 31st March, 1879.

To the Hon. J. C. POPE,

Minister of Marine and Fisheries.

SIR,—The preliminary report on the Fisheries Service of Canada, which was submitted to Parliament early in the present Session, consisted chiefly of an account of expenditure and receipts during the calendar year, ending the 31st December, 1878. It also embraced the results of operations in the artificial hatching of fish, giving the numbers of young fish so hatched and distributed from the deposit of 1877, and the quantities of vivified eggs deposited in the fall of 1878, now in process of incubation. Necessarily, the present statements repeat in detail much of the information embraced in the partial report above referred to. In addition, however, it affords detailed information concerning various branches of the service. The reports of the several Fishery Officers engaged in the service are printed in the Appendices. They contain particulars of the year's business in each of the Provinces and Fishery Divisions; they also include details respecting the quantity and value of fish caught in sub-divisions of the respective Fishery Districts; describing the condition of different fishings, the state of the rivers, the observance of Fishery Laws, and proceedings taken to enforce the same. Reports of the different officers connected with

the cultivation of fishes by artificial means, also form part of these Appendices. The efficiency and industry manifested by the officers, to whose reports attention is directed, together with the important matters forming the subjects of their statements, commend this interesting information to careful perusal.

PRODUCE AND VALUE OF THE CANADIAN FISHERIES.

It is very satisfactory to be enabled to state that the fisheries of Canada are still improving in their condition and yield. Their produce for last year compares favorably with the returns of preceding years, as shown by the following comparative table. The value in 1877 had reached \$12,029,957; and in 1878, it increased to \$13,245,678. There are no details of the catch in Manitoba and other portions of the North-West Territory, but it may be estimated at \$40,000. The increase over last year is \$1,225,721. This difference is principally in the cod, mackerel, salmon and lobster fisheries.

COMPARATIVE STATEMENT

Of Production in each Branch of Fishing within the respective Provinces of the Dominion of Canada, in 1877 and 1878.

PROVINCE OF NOVA SCOTIA.

| Kinds of Fish. | 1877. | | 1878. | |
|--------------------------------------|-----------------|--------------|-----------|--------------|
| | Quantity. | Value. | Quantity. | Value. |
| | | \$ cts. | | \$ cts. |
| Codfish..... | cwt. 463,728 | 1,996,244 00 | 527,640 | 2,242,470 00 |
| Herrings..... | brls. 113,098 | 452,392 00 | 130,219 | 520,876 00 |
| do smoked..... | boxes. 28,780 | 7,195 00 | 7,165 | 1,791 25 |
| Mackerel..... | brls. 113,638½ | 1,136,385 00 | 129,598 | 1,296,980 00 |
| do preserved..... | cans. 125,036 | 18,755 40 | 70,875 | 10,631 25 |
| Haddock..... | cwt. 118,635½ | 415,224 25 | 100,867 | 353,034 50 |
| Pollack..... | " 33,820 | 18,370 00 | 41,517 | 145,309 50 |
| Hake..... | " 29,435½ | 103,024 25 | 38,266 | 133,931 00 |
| Halibut..... | lbs. 668,060 | 40,083 60 | 692,866 | 41,571 96 |
| Salmon, pickled..... | brls. 950½ | 14,261 25 | 1,107 | 16,605 00 |
| do fresh, in ice..... | lbs. 420,919 | 63,137 85 | 350,344 | 52,551 60 |
| do smoked..... | " 17,910 | 2,686 50 | 26,880 | 4,032 00 |
| do preserved..... | cans. 48,715 | 7,307 25 | 54,680 | 8,202 00 |
| Alewives..... | brls. 5,433 | 19,015 50 | 5,738 | 20,083 00 |
| Trout..... | lbs. 65,645 | 3,938 70 | 66,620 | 3,997 20 |
| Smelts..... | " 313,302 | 18,798 12 | 288,155 | 17,389 30 |
| Shad..... | brls. 4,536 | 36,288 00 | 7,245 | 57,960 00 |
| Eels..... | " 1,501 | 13,509 00 | 2,020 | 18,180 00 |
| Bass..... | lbs. 1,275 | 76 50 | 8,000 | 480 00 |
| Oysters..... | brls. 980 | 2,940 00 | 918 | 2,754 00 |
| Lobsters..... | cans. 4,982,026 | 747,303 90 | 5,574,092 | 836,113 80 |
| Fish Guano..... | tons. 531 | 7,965 00 | 840 | 12,690 00 |
| Fish used as manure..... | brls. 9,779 | 4,849 50 | 10,105 | 5,052 50 |
| God Tongues and Sounds..... | " 905 | 6,335 00 | 922 | 6,454 00 |
| Fish Oils..... | galls. 337,170 | 219,160 50 | 329,934 | 214,489 60 |
| Fresh fish sold in Digby County..... | | | | 6,480 00 |
| do Guysboro' County..... | | | | 15,803 00 |
| do Halifax County..... | | 25,000 00 | | 34,878 28 |
| do Inverness County..... | | 36,297 30 | | |
| do Lunenburg County..... | | 11,175 00 | | 11,599 00 |
| do Shelburne County..... | | | | 25,000 00 |
| do Victoria County..... | | | | 11,125 00 |
| do Queen's County..... | | | | 3,236 00 |
| do Stewiacke..... | | | | 127 00 |
| Total..... | | 5,527,858 37 | | 6,131,599 64 |

PROVINCE OF NEW BRUNSWICK.

| | | | | |
|-----------------------|--|------------|-----------------------------------|------------|
| Codfish..... | cwt. 68,209 | 289,888 25 | 68,270 | 290,147 50 |
| Herrings..... | brls. 120,158 | 480,632 00 | 111,491 | 445,964 00 |
| do smoked..... | boxes. 519,725 | 129,931 25 | 610,300 | 152,575 00 |
| Mackerel..... | brls. 4,472 | 44,720 00 | 9,080 | 90,800 00 |
| do preserved..... | cans. 65,040 | 9,756 00 | 43,814 | 6,572 10 |
| Haddock..... | cwt. 14,690 ³ / ₁₆ | 51,416 05 | 9,863 ³ / ₅ | 34,522 60 |
| Pollack..... | " 24,926 | 87,241 00 | 18,027 | 63,094 50 |
| Hake..... | " 40,590 | 121,065 00 | 61,419 | 214,966 50 |
| Halibut..... | lbs. 121,200 | 7,272 00 | 147,090 | 8,825 40 |
| Salmon, pickled..... | brls. 356 | 5,340 00 | 112 | 1,680 00 |
| do fresh, in ice..... | lbs. 1,348,007 | 202,201 05 | 1,530,021 | 229,593 15 |
| do smoked..... | " 62,350 | 8,352 50 | 56,020 | 8,403 00 |
| do preserved..... | cans. 111,740 | 18,761 00 | 155,331 | 23,289 65 |
| Alewives..... | brls. 9,135 | 45,675 00 | 8,936 | 44,680 00 |
| Trout..... | lbs. 56,338 | 3,380 28 | 59,489 | 3,568 80 |
| Smelts..... | " 1,950,700 | 117,042 00 | 2,426,952 | 72,898 56 |
| Shad..... | brls. 4,838 | 38,704 00 | 4,747 | 37,976 00 |
| Eels..... | " 1,367½ | 12,307 50 | 1,356 | 12,204 00 |

COMPARATIVE STATEMENT—Continued.

PROVINCE OF NEW BRUNSWICK—Concluded.

| Kinds of Fish. | 1877. | | 1878. | |
|--------------------------------|-------------|--------------|-------------|--------------|
| | Quantities. | Value. | Quantities. | Value. |
| | | \$ cts. | | \$ cts. |
| Bass..... lbs. | 228,954 | 13,737 24 | 259,553 | 15,573 18 |
| Oysters..... brls. | 7,738 | 23,214 60 | 11,270 | 33,810 00 |
| Lobsters, preserved..... cans. | 1,988,974 | 298,346 10 | 2,759,711 | 413,956 65 |
| Fish Guano..... tons. | 890 | 13,350 00 | 1,095 | 16,425 00 |
| Fish used as manure..... brls. | 5,951 | 2,975 50 | 6,400 | 3,200 00 |
| Cod Tongues and Sounds..... " | 1,294½ | 9,061 50 | 433 | 3,031 00 |
| Fish Oils..... galls. | 121,335 | 78,867 75 | 120,314 | 78,204 10 |
| Total..... | | 2,133,236 97 | | 2,305,790 69 |

PROVINCE OF QUEBEC.

| | | | | |
|--|----------|--------------|-----------|--------------|
| Summer Cod-fishing..... qncls. | 225,816 | 1,129,080 00 | } 292,936 | 1,464,680 00 |
| Autumn do..... " | 37,626 | 188,130 00 | | |
| Herrings, pickled..... brls. | 73,924 | 358,925 50 | 53,983 | 269,915 00 |
| do smoked..... boxes. | 700 | 175 00 | 22 | 5 50 |
| do fresh-water..... brls. | 25 | 125 00 | 11 | 55 00 |
| Mackerel..... " | 5,343½ | 53,435 00 | 8,659 | 86,590 00 |
| do preserved in cans..... lbs. | 960 | 144 00 | 5,136 | 770 40 |
| Haddock..... qncls. | 248 | 1,240 00 | 666 | 3,330 00 |
| Ling..... " | 99 | 495 00 | 25 | 125 00 |
| Halibut..... brls. | 227½ | 1,365 00 | 286 | 1,716 00 |
| Salmon, pickled..... " | 2,232½ | 26,790 00 | 2,729 | 32,748 00 |
| do fresh, in ice..... lbs. | 326,548 | 16,327 40 | 489,786 | 24,489 30 |
| do..... pieces. | 8,806 | 8,806 00 | 12,024 | 12,024 00 |
| do smoked..... box. | 1 | 4 00 | | |
| do preserved, in cans..... lbs. | 100,605 | 15,090 75 | 139,574 | 20,936 10 |
| Winnonish..... pieces. | 3,290 | 822 50 | 4,045 | 1,011 25 |
| Trout (sea)..... brls. | 276½ | 2,217 00 | 134 | 1,072 00 |
| do speckled and grey..... lbs. | 458,740 | 36,687 20 | 509,740 | 40,779 20 |
| Sturgeon..... brls. | 617½ | 4,940 00 | 523 | 4,784 00 |
| Bar and Whitefish..... doz. | 10,539 | 21,078 00 | 9,017 | 18,034 00 |
| Bar Fish..... pieces. | 2,642 | 1,321 00 | 1,560 | 780 00 |
| Shad..... " | 52,647 | 5,264 70 | 27,033 | 2,703 30 |
| Sardines..... brls. | 8,130 | 40,650 00 | 4,905 | 24,525 00 |
| Eels..... " | 23 | 230 00 | 17 | 170 00 |
| do..... pieces. | 1,82,744 | 28,274 40 | 372,376 | 37,237 60 |
| Bass..... brls. | 525 | 5,250 00 | 1,614 | 16,140 00 |
| Pike..... " | 775 | 7,750 00 | 1,148 | 11,480 00 |
| Pickrel..... " | 1,870½ | 18,705 00 | 2,272 | 22,720 00 |
| Tom Cod..... bush. | 20,000 | 10,000 00 | 25,000 | 12,500 00 |
| Tanny..... brls. | 2 | 10 00 | | |
| Small and mixed Fish..... " | 6,313 | 3,156 50 | 3,762 | 1,876 00 |
| Mixed Fish..... " | 16,778 | 83,890 00 | 16,810 | 84,050 00 |
| Maskinonge..... pieces. | 767 | 1,534 00 | 880 | 1,760 00 |
| Shark..... " | 40 | 240 00 | | |
| Seal Skins..... " | 14,612 | 18,265 00 | 28,007 | 35,008 75 |
| Porpoise Skins..... " | 137 | 548 00 | 103 | 412 00 |
| Lobsters, preserved, in cans..... lbs. | 450,669 | 67,600 35 | 731,008 | 109,651 20 |
| do fresh..... " | 5,000 | 250 00 | | |
| Fish and Clams, used as bait and manure..... brls. | 206,649 | 187,859 25 | 102,145 | 93,827 50 |
| Fish used for local consumption..... " | 11,554½ | 46,218 00 | 10,921 | 43,684 00 |
| Cod Tongues and Sounds..... " | 234 | 2,106 00 | 242 | 2,178 00 |
| Seal Oil..... galls. | 73,560 | 36,789 00 | 127,848 | 63,924 00 |
| Whale Oil..... " | 13,716 | 6,868 00 | 5,600 | 2,800 00 |
| Porpoise Oil..... " | 11,188 | 8,950 40 | 10,104 | 8,083 20 |
| Cod Oil..... " | 225,129 | 112,564 50 | 212,160 | 106,080 00 |
| | | 2,560,147 45 | | 2,664,055 30 |

COMPARATIVE STATEMENT—Continued.
PROVINCE OF ONTARIO.

| Kinds of Fish. | 1877. | | 1878. | |
|------------------|-----------------|--------------|-------------|--------------|
| | Quantities. | Value. | Quantities. | Value. |
| Whitefish..... | brls. 7,776 | \$ 77,780 00 | 4,061 | \$ 40,610 00 |
| do..... | lbs. 1,876,300 | 93,815 00 | 1,180,200 | 58,010 00 |
| do..... | pieces. 301,050 | 30,105 00 | 722,300 | 72,250 00 |
| Trout..... | brls. 12,526 | 125,280 00 | 5,691 | 56,910 00 |
| Herrings..... | " 10,288 | 51,440 00 | 8,762 | 43,810 00 |
| Sciacos..... | " 1,505 | 7,525 00 | 822 | 4,110 00 |
| Maskinonge..... | " 786½ | 3,932 50 | 1,801 | 9,005 00 |
| Bass..... | " 1,624½ | 8,122 50 | 2,701 | 13,505 00 |
| Pike..... | " 995½ | 4,977 50 | 1,073 | 5,385 00 |
| Pickarel..... | " 2,931½ | 14,657 50 | 3,095 | 15,475 00 |
| Coarse Fish..... | " 5,157 | 20,628 00 | 7,268 | 29,072 00 |
| | | 438,223 00 | | 348,122 00 |

PROVINCE OF PRINCE EDWARD ISLAND.

| | | | | |
|--|----------------|--------------|------------|--------------|
| Codfish..... | cwt. 13,590 | \$ 57,757 50 | 13,625 | \$ 54,500 00 |
| Herrings..... | brls. 9,493 | 37,972 00 | 13,570 | 54,280 00 |
| Mackerel..... | " 40,462 | 404,620 00 | 36,482 | 291,856 00 |
| do preserved..... | lbs. .... | ..... | 1,200 | 120 00 |
| Haddock..... | " 129,048 | 7,742 88 | 111,504 | 3,345 12 |
| Hake..... | cwt. 7,429 | 26,001 50 | 11,708 | 35,124 00 |
| Salmon, pickled..... | brls. 30 | 450 00 | 27 | 270 00 |
| do fresh, in ice..... | lbs. 9,440 | 1,416 00 | 7,313 | 438 78 |
| Alewives..... | brls. 745 | 2,607 50 | 1,366 | 4,781 00 |
| Halibut..... | lbs. 200 | 12 00 | 2,255 | 135 30 |
| Trout..... | " 33,700 | 2,022 00 | 25,985 | 1,559 16 |
| Smelts..... | " 2,200 | 132 00 | 3,100 | 186 00 |
| Bass..... | " 2,200 | 132 00 | 1,182 | 70 92 |
| Eels..... | brls. 17 | 153 00 | 36 | 216 00 |
| Oysters..... | " 20,850 | 62,550 00 | 17,902 | 53,706 00 |
| Lobsters, preserved..... | cases. 663,900 | 99,585 00 | *1,649,800 | 329,960 00 |
| Cod Tongues and Sounds..... | brls. 233½ | 1,634 50 | 474½ | 5,219 50 |
| Fish Oils..... | galls. 8,074 | 5,248 10 | 9,053 | 4,526 50 |
| Fish used for local consumption in the Counties of Prince and Kings..... | \$ | 53,000 00 | ..... | ..... |
| Fish used as manure..... | brls. .... | ..... | 100 | 50 00 |
| | | 763,035 93 | | 840,344 22 |

PROVINCE OF BRITISH COLUMBIA.

* Lbs.

| | | | | |
|--------------------------------------|----------------|--------------|-----------|--------------|
| Salmon, pickled..... | brls. 3,561 | \$ 28,483 00 | 5,465 | \$ 43,720 00 |
| do preserved, in cans..... | lbs. 3,234,576 | 436,667 76 | 5,452,880 | 736,138 80 |
| do smoked..... | " | 600 00 | 16,741 | 1,339 28 |
| do do..... | \$ ..... | ..... | ..... | 800 00 |
| Herrings, pickled..... | brls. 263 | 2,104 00 | ..... | 250 00 |
| do smoked..... | " | 1,200 00 | 25 | 1,200 00 |
| do do..... | \$ ..... | ..... | ..... | ..... |
| Sturgeon, preserved..... | lbs. 1,000 | 125 00 | ..... | 300 00 |
| Mixed Fish, other than Salmon..... | brls. 50 | 300 00 | 50 | 100 00 |
| Haddock, dry..... | \$ | 100 00 | ..... | 3,000 00 |
| Halibut, fresh, in ice..... | " ..... | ..... | ..... | 944 00 |
| Ooláhans, pickled..... | brls. .... | ..... | 118 | 43,168 50 |
| Seal Skins..... | pieces. 5,700 | 25,650 00 | 9,593 | 60,206 40 |
| Dogfish, Seal and Porpoise Oil..... | galls. 115,495 | 46,198 00 | 150,516 | 1,600 00 |
| Ooláhan Oil..... | " 10,000 | 10,000 00 | 1,600 | 1,000 00 |
| Herring Oil..... | " ..... | ..... | 2,000 | 30,000 00 |
| Fresh Fish, sold on markets..... | \$ | 30,000 00 | ..... | 2,000 00 |
| Fish cured for home consumption..... | " | 2,000 00 | ..... | ..... |
| | | 583,432 76 | | 925,766 98 |

GENERAL RECAPITULATION of the Yield and Value of the Fisheries

| Kinds of Fish. | Nova Scotia. | | New Brunswick. | | Quebec. | |
|--|--------------|--------------|----------------|------------|-------------|--------------|
| | Quantities. | Value. | Quantities. | Value. | Quantities. | Value. |
| | | \$ cts. | | \$ cts. | | \$ cts. |
| Codfish .....cwt. & qtls. | 527,640 | 2,242,470 00 | 68,270 | 290,147 50 | 292,936 | 1,464,680 00 |
| Herrings, pickled..... brls. | 130,219 | 520,876 00 | 111,491 | 445,964 00 | 53,983 | 269,915 00 |
| do smoked.....boxes. | 7,165 | 1,791 25 | 610,300 | 162,575 00 | 22 | 5 50 |
| do do brls. | | | | | | |
| do do value. | | | | | | |
| do fresh water..... brls. | | | | | 11 | 55 00 |
| Sciscos do | | | | | | |
| Mackerel..... do | 129,698 | 1,296,980 00 | 9,080 | 90,800 00 | 8,659 | 86,590 00 |
| do preserved in cans lbs. | 70,875 | 10,631 25 | 43,814 | 6,572 10 | 5,136 | 770 40 |
| Haddock..... qtls. & cwt | 100,867 | 353,034 50 | 9,863½ | 34,522 60 | 666 | 3,330 00 |
| do lbs. | | | | | | |
| do smoked..... value. | | | | | | |
| Ling..... qtls. | | | | | 25 | 125 00 |
| Pollack..... cwt. | 41,517 | 145,309 50 | 18,027 | 63,094 50 | | |
| Hake..... do | 38,266 | 133,931 00 | 61,419 | 214,966 50 | | |
| Halibut..... lbs. | 692,866 | 41,571 96 | 147,090 | 8,825 40 | | |
| do value. | | | | | | |
| do brls. | | | | | 286 | 1,716 00 |
| Salmon, pickled..... do | 1,107 | 16,605 00 | 112 | 1,680 00 | 2,729 | 32,748 00 |
| do fresh, in ice..... lbs. | 350,344 | 52,551 60 | 1,530,021 | 229,503 15 | 489,786 | 24,489 30 |
| do do pieces. | | | | | 12,024 | 12,024 00 |
| do smoked..... lbs. | 26,880 | 4,032 00 | 56,020 | 8,403 00 | | |
| do do value. | | | | | | |
| do preserved in cans lbs. | 54,680 | 8,202 00 | 155,331 | 23,299 65 | 139,574 | 20,936 10 |
| Alewives..... brls. | 5,738 | 20,083 00 | 8,938 | 44,680 00 | | |
| Trout..... lbs. | 66,620 | 3,997 20 | 59,480 | 3,568 80 | | |
| do sea..... brls. | | | | | 134 | 1,072 00 |
| do Speckled & Grey lbs. | | | | | 509,740 | 40,779 20 |
| do do brls. | | | | | | |
| Winonish..... pieces. | | | | | 4,045 | 1,011 25 |
| Sturgeon..... brls. | | | | | 523 | 4,184 00 |
| Bar and Whitefish..... doz. | | | | | 9,017 | 18,034 00 |
| Barfish..... pieces. | | | | | 1,560 | 780 00 |
| Whitefish..... brls. | | | | | | |
| do lbs. | | | | | | |
| do pieces. | | | | | | |
| Sardines..... brls. | | | | | 4,965 | 24,525 00 |
| Eels..... do | 2,020 | 18,180 00 | 1,356 | 12,204 00 | 17 | 170 00 |
| do pieces. | | | | | 372,376 | 27,237 60 |
| Pike..... brls. | | | | | 1,148 | 11,480 00 |
| Pickarel..... do | | | | | 2,272 | 22,720 00 |
| Bass..... do | | | | | 1,614 | 16,140 00 |
| do lbs. | 8,000 | 480 00 | 259,553 | 15,573 18 | | |
| Maskinonge..... brls. | | | | | | |
| do pieces. | | | | | 880 | 1,760 00 |
| Oolihan..... brls. | | | | | | |
| Coarse Fish..... do | | | | | | |
| Smeits..... lbs. | 288,155 | 17,289 30 | 2,426,952 | 72,808 56 | | |
| Shad..... brls. | 7,245 | 57,960 00 | 4,747 | 37,976 00 | | |
| do pieces. | | | | | 27,033 | 2,703 30 |
| Small and Mixed Fish... brls. | | | | | 3,762 | 1,876 00 |
| Tom Cod..... bush. | | | | | 25,000 | 12,500 00 |
| Mixed Fish..... brls. | | | | | 16,810 | 84,050 00 |
| Oysters..... do | 918 | 2,754 00 | 11,270 | 33,810 00 | | |
| Lobsters, preserved, in cans lbs. | 5,574,092 | 836,113 80 | 2,759,711 | 413,956 65 | 731,008 | 109,651 20 |
| Cod Tongues & Sounds brls. | 922 | 6,454 00 | 433 | 3,031 00 | 242 | 2,178 00 |
| Fresh Fish sold in markets..... value. | | 108,160 18 | | | | |

within the Dominion of Canada, for the Year 1878.

| Ontario. | | Prince Edward Island. | | British Columbia. | | Total. | |
|-------------|-----------|-----------------------|------------|-------------------|------------|-------------|--------------|
| Quantities. | Value. | Quantities. | Value. | Quantities. | Value. | Quantities. | Value. |
| | \$ cts. | | \$ cts. | | \$ cts. | | \$ cts. |
| 8,762 | 43,810 00 | 13,625 | 54,500 00 | | | 902,471 | 4,051,797 50 |
| | | 13,570 | 54,280 00 | | | 318,025 | 1,334,845 00 |
| | | | | 25 | 250 00 | 617,487 | 154,371 75 |
| | | | | | 1,200 00 | 25 | 250 00 |
| | | | | | | | 1,260 00 |
| 822 | 4,110 00 | | | | | 11 | 55 00 |
| | | | | | | 822 | 4,110 00 |
| | | 36,482 | 291,856 00 | | | 183,919 | 1,766,226 00 |
| | | 1,200 | 120 00 | | | 121,025 | 18,093 75 |
| | | | | | | 111,396½ | 390,887 10 |
| | | 111,504 | 3,345 12 | | | 111,504 | 3,345 12 |
| | | | | | 100 00 | | 100 00 |
| | | | | | | 25 | 125 00 |
| | | | | | | 59,544 | 208,404 00 |
| | | 11,708 | 35,124 00 | | | 111,393 | 384,021 50 |
| | | 2,255 | 135 30 | | | 842,211 | 50,532 66 |
| | | | | | 3,000 00 | | 3,000 00 |
| | | | | | | 286 | 1,716 00 |
| | | 27 | 270 00 | 5,465 | 43,720 00 | 9,440 | 95,023 00 |
| | | 7,313 | 438 78 | | | 2,377,464 | 306,982 83 |
| | | | | | | 12,024 | 12,024 00 |
| | | | | 16,741 | 1,339 28 | 99,641 | 13,774 28 |
| | | | | | 800 00 | | 800 00 |
| | | | | 5,452,880 | 736,138 80 | 5,802,465 | 788,576 55 |
| | | 1,366 | 4,781 00 | | | 16,040 | 69,544 00 |
| | | 25,985 | 1,559 10 | | | 152,085 | 9,125 10 |
| | | | | | | 134 | 1,072 00 |
| 5,691 | 56,910 00 | | | | | 509,740 | 40,779 20 |
| | | | | | | 5,691 | 56,910 00 |
| | | | | | | 4,045 | 1,011 25 |
| | | | | | | 523 | 4,184 00 |
| | | | | | | 9,017 | 18,034 00 |
| | | | | | | 1,560 | 780 00 |
| 4,081 | 40,610 00 | | | | | 4,061 | 40,610 00 |
| 1,160,200 | 58,010 00 | | | | | 1,160,200 | 58,010 00 |
| 722,300 | 72,250 00 | | | | | 722,300 | 72,250 00 |
| | | | | | | 4,905 | 24,525 00 |
| | | 36 | 216 00 | | | 3,429 | 30,770 00 |
| | | | | | | 372,376 | 37,237 60 |
| 1,073 | 5,365 00 | | | | | 2,221 | 16,845 00 |
| 3,095 | 15,475 00 | | | | | 5,367 | 38,195 00 |
| 2,701 | 13,505 00 | | | | | 4,315 | 29,645 00 |
| | | 1,182 | 70 92 | | | 268,735 | 16,124 10 |
| 1,801 | 9,005 00 | | | | | 1,801 | 9,005 00 |
| | | | | | | 880 | 1,760 00 |
| | | | | 118 | 944 00 | 118 | 944 00 |
| 7,268 | 29,072 00 | | | | | 7,268 | 29,072 00 |
| | | 3,100 | 186 00 | | | 2,718,207 | 90,283 86 |
| | | | | | | 11,992 | 95,936 00 |
| | | | | | | 27,033 | 2,703 30 |
| | | | | | | 3,762 | 1,876 00 |
| | | | | | | 25,000 | 12,500 00 |
| | | | | 50 | 300 00 | 16,860 | 84,350 00 |
| | | 17,902 | 53,706 00 | | | 30,090 | 90,270 00 |
| | | 1,649,800 | 329,960 00 | | | 10,714,611 | 1,689,681 65 |
| | | 474½ | 5,219 50 | | | 2,071½ | 16,882 50 |
| | | | | | 30,000 | | 138,160 18 |

GENERAL RECAPITULATION of the Yield and Value of the Fisheries

| Kinds of Fish. | Nova Scotia. | | New Brunswick. | | Quebec. | |
|--|--------------|--------------|----------------|--------------|-------------|--------------|
| | Quantities. | Value. | Quantities. | Value. | Quantities. | Value. |
| Fish used for local consumption brls. | | \$ cts. | | \$ cts. | 10,921 | \$ cts. |
| Fish used for local consumption value. | | | | | | 43,684 00 |
| Fish Guano..... tons. | 840 | 12,600 00 | 1,095 | 16,425 00 | | |
| Fish and Clams used as Bait and Manure brls. | 10,105 | 5,052 50 | 6,400 | 3,200 00 | 102,145 | 93,827 50 |
| Seal Skins pieces. | | | | | 28,007 | 35,008 75 |
| Porpoise Skins..... do | | | | | 103 | 412 00 |
| Cod Oil..... galls. | | | | | 212,160 | 106,080 00 |
| Seal Oil..... do | | | | | 127,848 | 63,924 00 |
| Whale Oil..... do | | | | | 5,600 | 2,800 00 |
| Porpoise Oil..... do | | | | | 10,104 | 8,083 20 |
| Dogfish, Seal and Porpoise Oil..... do | | | | | | |
| Herring Oil..... do | | | | | | |
| Oolihan Oil..... do | | | | | | |
| Fish Oils..... do | 329,984 | 214,489 60 | 120,314 | 78,204 10 | | |
| Total..... | | 6,131,599 64 | | 2,305,790 69 | | 2,664,055 30 |

within the Dominion of Canada, for the Year 1878—*Concluded*

| Ontario. | | Prince Edward Island. | | British Columbia. | | Total. | |
|-------------|------------|-----------------------|------------|-------------------|------------|-------------|---------------|
| Quantities. | Value. | Quantities. | Value. | Quantities. | Value. | Quantities. | Value. |
| | \$ cts. | | \$ cts. | | \$ cts. | | \$ cts. |
| | | | | | | 10,921 | 43,684 00 |
| | | | | | 2,000 00 | | 2,000 00 |
| | | | | | | 1,935 | 29,025 00 |
| | | 100 | 50 00 | | | 118,750 | 102,130 00 |
| | | | | 9,593 | 43,168 50 | 37,600 | 78,177 25 |
| | | | | | | 103 | 412 00 |
| | | | | | | 212,160 | 106,080 00 |
| | | | | | | 127,848 | 63,924 00 |
| | | | | | | 5,600 | 2,800 00 |
| | | | | | | 10,104 | 8,083 20 |
| | | | | 150,516 | 60,206 40 | 150,516 | 60,206 40 |
| | | | | 2,000 | 1,000 00 | 2,000 | 1,000 00 |
| | | | | 1,600 | 1,600 00 | 1,600 | 1,600 00 |
| | | 9,053 | 4,526 50 | | | 459,351 | 297,220 20 |
| | 348,122 00 | | 840,344 22 | | 925,766 98 | | 13,215,678 83 |

Total Value of the Fisheries within the Dominion of Canada in 1878.....\$13,215,678 83
do do do in 1877..... 12,029,957 63

Total Increase..... 1,185,721 20

FISH TRADE OF CANADA.

The tables below, compiled from the Trade Returns and the records of the Customs Department, exhibit the exports and imports of fish during the fiscal year ended 30th June, 1878, and the subsequent half-year to 31st December, 1878. In the former period the value of these exports amounted to \$6,929,366; being an increase over the preceeding year of \$1,055,006. About half of the fish so exported were disposed of in United States markets. The imports are valued at \$1,300,468, being \$66,882 less than the previous year. Nearly half of these fish were imported from the United States. In the latter period, from 1st July to 31st December 1878, the total exports were \$4,846,566. The United States took little more than a third of this amount. The imports are valued at \$851,075. Nearly all of these imports were from the United States.

STATEMENT showing the Quantity and Value of Fish and Products of Fish Exported from the Dominion of Canada during the Fiscal Year ending 30th June, 1878.

| ARTICLES. | COUNTRIES. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|--|-------------------|-------------------------------|-----------|-----------------------------------|--------|---|-----------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | | Lbs. | \$ | Lbs. | \$ | Lbs. | \$ |
| Godfish, including Haddock, Ling and Pallock, fresh..... | United States.... | 40 | 4 | ..... | ..... | 40 | 4 |
| do Dry Salted... | Great Britain.... | Cwt.* 17,602 | 72,071 | ..... | ..... | Cwt. 17,602 | 72,071 |
| | United States.... | 85,801 | 277,062 | 79 | 410 | 85,880 | 277,472 |
| | Newfoundland... | 17,875 | 84,121 | ..... | ..... | 17,875 | 84,121 |
| | British W. Indies | 260,724 | 1,084,056 | 33 | 120 | 260,757 | 1,084,176 |
| | Spanish W. Indies | 177,925 | 719,504 | ..... | ..... | 177,925 | 719,504 |
| | French W. Indies | 54,814 | 204,271 | ..... | ..... | 54,814 | 204,271 |
| | Danish W. Indies | 4,676 | 20,136 | 15 | 60 | 4,691 | 20,196 |
| | Dutch W. Indies | 105 | 437 | ..... | ..... | 105 | 437 |
| | Hayti..... | 4,264 | 19,483 | ..... | ..... | 4,264 | 19,483 |
| | British Guiana... | 25,038 | 106,510 | ..... | ..... | 25,038 | 106,510 |
| | South America... | 76,884 | 380,413 | ..... | ..... | 76,884 | 380,413 |
| | Spain..... | 8 | 32 | ..... | ..... | 8 | 32 |
| | Portugal..... | 10,476 | 50,979 | ..... | ..... | 10,476 | 50,979 |
| | Italy..... | 32,880 | 144,166 | ..... | ..... | 32,880 | 144,166 |
| | Maderia..... | 3,291 | 14,585 | ..... | ..... | 3,291 | 14,585 |
| | Austria..... | 2,302 | 11,510 | ..... | ..... | 2,302 | 11,510 |
| | | 774,665 | 3,189,336 | 127 | 590 | 774,792 | 3,189,926 |
| do Wet Salted... | Great Britain.... | Cwt. 18 | 66 | ..... | ..... | Cwt. 18 | 66 |
| do Pickled..... | Great Britain.... | Brls. 252 | 1,100 | ..... | ..... | Brls. 252 | 1,100 |
| | United States.... | 477 | 1,630 | ..... | ..... | 477 | 1,630 |
| | British W. Indies | 32 | 80 | ..... | ..... | 32 | 80 |
| | | 761 | 2,810 | ..... | ..... | 761 | 2,810 |
| Mackerel, fresh.... | United States.... | Lbs. 152,821 | 7,019 | ..... | ..... | Lbs. 152,821 | 7,019 |
| do Preserved.... | Great Britain.... | Lbs. 15,922 | 2,015 | ..... | ..... | Lbs. 15,922 | 2,015 |
| | United States.... | 53,104 | 4,980 | ..... | ..... | 53,104 | 4,980 |
| | | 69,026 | 6,995 | ..... | ..... | 69,026 | 6,995 |
| do Pickled..... | Great Britain.... | Brls. 378 | 2,310 | ..... | ..... | Brls. 378 | 2,310 |
| | United States.... | 100,371 | 823,963 | 651 | 7,771 | 101,022 | 831,734 |
| | British W. Indies | 18,178 | 124,203 | ..... | ..... | 18,178 | 124,203 |
| | Spanish W. Indies | 7,118 | 50,202 | ..... | ..... | 7,118 | 50,202 |
| | French W. Indies | 1,008 | 5,583 | ..... | ..... | 1,008 | 5,583 |
| | Danish W. Indies | 296 | 2,392 | 3 | 24 | 299 | 2,416 |
| | Dutch W. Indies | 5 | 36 | ..... | ..... | 5 | 36 |
| | Hayti..... | 652 | 5,768 | ..... | ..... | 652 | 5,768 |
| | Guiana..... | 948 | 7,229 | ..... | ..... | 948 | 7,229 |
| | | 128,954 | 1,021,686 | 654 | 7,795 | 129,608 | 1,029,481 |

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

| ARTICLES. | COUNTRIES. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|----------------------------------|----------------------------------|-------------------------------|---------|-----------------------------------|--------|---|---------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | | Lbs. | \$ | Lbs. | \$ | Lbs. | \$ |
| Halibut, smoked... | United States.... | 1,700 | 85 | | | 1,700 | 85 |
| Herring, fresh..... | United States.... | 447,825 | 12,505 | | | 447,825 | 12,505 |
| do Pickled..... | Great Britain.... | Brls. 170 | 645 | | | Brls. 170 | 645 |
| | United States.... | 26,758 | 100,950 | 378 | 1,630 | 27,136 | 102,580 |
| | Newfoundland... | 20 | 60 | | | 20 | 60 |
| | British W. Indies | 46,285 | 186,570 | | | 46,285 | 186,570 |
| | Spanish W. Indies | 20,043 | 69,031 | | | 20,043 | 69,031 |
| | French W. Indies | 3,269 | 10,543 | | | 3,269 | 10,543 |
| | Danish W. Indies | 3,555 | 11,567 | | | 3,555 | 11,567 |
| | Dutch W. Indies | 50 | 235 | | | 50 | 235 |
| | British Guiana... | 2,532 | 10,717 | | | 2,532 | 10,717 |
| | Spain..... | 50 | 200 | | | 50 | 200 |
| | Denmark..... | | | 1,000 | 4,000 | 1,000 | 4,000 |
| | Norway..... | 4,532 | 13,592 | 1,436 | 4,308 | 5,968 | 17,900 |
| | Madeira..... | 70 | 208 | | | 70 | 208 |
| | Australia..... | 516 | 2,064 | | | 516 | 2,064 |
| | | 107,850 | 406,382 | 2,814 | 9,938 | 110,664 | 416,320 |
| do Smoked..... | Great Britain.... | Lbs. 239,951 | 12,150 | | | Lbs. 239,951 | 12,150 |
| | United States.... | 3,802,961 | 44,895 | | | 3,802,961 | 44,895 |
| | Newfoundland... | 3,152 | 60 | | | 3,152 | 60 |
| | British W. Indies | 159,621 | 4,259 | | | 159,621 | 4,259 |
| | Spanish W. Indies | 30,576 | 785 | | | 30,576 | 785 |
| | French W. Indies | 80,062 | 2,840 | | | 80,062 | 2,840 |
| | Danish W. Indies | 19,894 | 635 | | | 19,894 | 635 |
| | Dutch W. Indies | 4,000 | 100 | | | 4,000 | 100 |
| | Hayti..... | 30,600 | 790 | | | 30,600 | 790 |
| | British Guiana... | 13,008 | 373 | | | 13,008 | 373 |
| | Maderia..... | 4,000 | 190 | | | 4,000 | 190 |
| | South America... | 9,952 | 257 | | | 9,952 | 257 |
| | St. Pierre et Mi- quelon..... | 982 | 34 | | | 982 | 34 |
| | France..... | 2,800 | 40 | | | 2,800 | 40 |
| | | 4,401,559 | 67,408 | | | 4,401,559 | 67,408 |
| Sea Fish, other, fresh..... | United States.... | | 43,699 | | | | 43,699 |
| Sea Fish, other, pickled..... | Great Britain.... | Brls. 352 | 960 | | | Brls. 352 | 960 |
| | United States.... | 2,456 | 28,675 | | | 2,456 | 28,675 |
| | British W. Indies | 1,170 | 5,307 | | | 1,170 | 5,307 |
| | Spanish W. Indies | 85 | 436 | | | 85 | 436 |
| | Danish W. Indies | 37 | 218 | | | 37 | 218 |
| | Hayti..... | 165 | 1,066 | | | 165 | 1,066 |
| | British Guiana... | 82 | 417 | | | 82 | 417 |
| | | 4,347 | 37,079 | | | 4,347 | 37,079 |

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

| ARTICLES. | COUNTRIES. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|---------------------------------|----------------------------------|-------------------------------|-----------|-----------------------------------|---------|---|-----------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| Sea Fish, other, preserved..... | United States..... | Lbs. | \$ | Lbs. | \$ | Lbs. | \$ |
| | | 1,160 | 116 | | | 1,160 | 116 |
| Oysters, fresh. | Great Britain..... | Brls. | | Brls. | | | |
| | United States..... | 182 | 282 | | | 182 | 282 |
| | Newfoundland... | 79 | 135 | | | 79 | 135 |
| | Danish W. Indies | 202 | 384 | | | 202 | 384 |
| | St. Pierre et Mi- quelon..... | 2 | 10 | | | 2 | 10 |
| | | 100 | 262 | 12 | 90 | 112 | 352 |
| | | 565 | 1,073 | 12 | 90 | 577 | 1,163 |
| Lobsters, fresh..... | United States..... | Brls. | | | | Brls. | |
| | | 139 | 668 | | | 139 | 668 |
| do Preserved. | Great Britain. | Lbs. | | Lbs. | | Lbs. | |
| | United States..... | 6,589,784 | 742,068 | 313,824 | 38,496 | 6,903,608 | 780,564 |
| | British W. Indies | 1,488,715 | 180,990 | 7,468 | 936 | 1,496,183 | 181,926 |
| | Spanish W. Indies | 20,532 | 2,696 | | | 20,532 | 2,696 |
| | Danish W. Indies | 2,016 | 270 | | | 2,016 | 270 |
| | Dutch W. Indies | 648 | 70 | | | 648 | 70 |
| | St. Pierre et Mi- quelon..... | 2,400 | 275 | | | 2,400 | 275 |
| | Madeira .. | 336 | 40 | | | 336 | 40 |
| | | 1,440 | 180 | | | 1,440 | 180 |
| | | | 8,105,871 | 926,589 | 321,292 | 39,432 | 8,427,163 | 966,021 |
| Bait | Newfoundland... | | 350 | | | | 350 |
| | St. Pierre et Mi- quelon..... | | 806 | | | | 806 |
| | | | 1,156 | | | | 1,156 |
| Salmon, fresh..... | Great Britain..... | Lbs. | | Lbs. | | Lbs. | |
| | United States..... | 120 | 12 | | | 120 | 12 |
| | British W. Indies | 2,865,597 | 260,845 | 1,800 | 150 | 2,867,397 | 260,995 |
| | St. Pierre et Mi- quelon..... | 24,187 | 2,027 | | | 24,187 | 2,027 |
| | | 3,564 | 275 | | | 3,564 | 275 |
| | | 2,893,468 | 263,159 | 1,800 | 150 | 2,895,268 | 263,309 |
| do Smoked..... | Great Britain..... | Lbs. | | | | Lbs. | |
| | United States..... | 281 | 29 | | | 281 | 29 |
| | British W. Indies | 26,243 | 3,059 | | | 26,243 | 3,059 |
| | Danish W. Indies | 807 | 60 | | | 807 | 60 |
| | | 660 | 89 | | | 660 | 89 |
| | | 27,991 | 3,237 | | | 27,991 | 3,237 |

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

| ARTICLES. | COUNTRIES. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|-----------------------------|---------------------|-------------------------------|-----------|-----------------------------------|--------|---|-----------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | | Lbs. | \$ | Lbs. | \$ | Lbs. | \$ |
| Salmon, Canned... | Great Britain..... | 1,204,328 | 161,685 | ..... | ..... | 1,204,328 | 161,685 |
| | United States..... | 1,802,164 | 203,078 | ..... | ..... | 1,802,164 | 203,078 |
| | British W. Indies | 892 | 163 | ..... | ..... | 892 | 163 |
| | South America.... | 4,800 | 650 | ..... | ..... | 4,800 | 650 |
| | Madeira | 960 | 200 | ..... | ..... | 960 | 200 |
| | Australia | 314,256 | 41,935 | ..... | ..... | 314,256 | 41,935 |
| | | | 3,327,400 | 407,711 | | | 3,327,400 | 407,711 |
| do Pickled..... | | Brls. | | Brls. | | Brls. | |
| | Great Britain..... | 68 | 670 | ..... | ..... | 68 | 670 |
| | United States..... | 4,775 | 53,478 | 1,005 | 10,656 | 5,780 | 64,134 |
| | British W. Indies | 1,228 | 5,782 | ..... | ..... | 1,228 | 15,782 |
| | Spanish W. Indies | 94 | 876 | ..... | ..... | 94 | 876 |
| | Danish W. Indies | 51 | 606 | ..... | ..... | 51 | 606 |
| | Hayti | 1 | 19 | ..... | ..... | 1 | 19 |
| | British Guiana... | 51 | 555 | ..... | ..... | 51 | 555 |
| | South America... | 10 | 95 | ..... | ..... | 10 | 95 |
| | Australia | 1,805 | 13,369 | ..... | ..... | 1,805 | 13,369 |
| | Sandwich Isl'nds | 50 | 350 | ..... | ..... | 50 | 350 |
| Italy..... | 1 | 15 | ..... | ..... | 1 | 15 | |
| | | 8,134 | 85,815 | 1,005 | 10,656 | 9,139 | 96,471 |
| Fish, all other, fresh..... | Great Britain | | 54 | ..... | ..... |  | 54 |
| | United States..... | | 164,427 | ..... | ..... |  | 164,427 |
| | | | 164,481 | ..... | ..... |  | 164,481 |
| do Pickled..... | | Brls. | | | | Brls. | |
| | Great Britain | 261 | 318 | ..... | ..... | 261 | 318 |
| | United States..... | 3,956 | 15,674 | ..... | ..... | 3,956 | 15,674 |
| | British W. Indies | 5 | 37 | ..... | ..... | 5 | 37 |
| British Guiana... | 2 | 30 | ..... | ..... | 2 | 30 | |
| | | 4,224 | 16,059 | ..... | ..... | 4,224 | 16,059 |
| Fish Oil, Cod. | | Galls. | | Galls. | | Galls. | |
| | Great Britain | 54,480 | 25,928 | ..... | ..... | 54,480 | 25,928 |
| | United States..... | 161,997 | 80,846 | 160 | 80 | 162,157 | 80,926 |
| | British W. Indies | 1,202 | 696 | ..... | ..... | 1,202 | 696 |
| | | 217,679 | 107,470 | 160 | 80 | 217,839 | 107,550 |
| do Seal..... | Great Britain | 7,023 | 3,908 | ..... | ..... | 7,023 | 3,908 |
| | United States..... | 132 | 120 | ..... | ..... | 132 | 120 |
| | | 7,155 | 4,028 | ..... | ..... | 7,155 | 4,028 |
| do Whale | Great Britain | 10,461 | 4,498 | ..... | ..... | 10,461 | 4,498 |
| do Other..... | Great Britain | 3,494 | 2,085 | ..... | ..... | 3,494 | 2,085 |
| | United States..... | 36,066 | 13,469 | ..... | ..... | 36,066 | 13,469 |
| | | 39,560 | 15,554 | ..... | ..... | 39,560 | 15,554 |

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

| ARTICLES. | COUNTRIES. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|------------------------------------|-----------------------------|-------------------------------|--------|-----------------------------------|--------|---|--------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | | Lbs. | \$ | Lbs. | \$ | Lbs. | \$ |
| Furs and Skins of Marine Animals.. | Great Britain | | 9,111 | | 2,667 | | 11,778 |
| | United States..... | | | | 2,000 | | 2,000 |
| | Newfoundland..... | | 326 | | | | 326 |
| | | | 9,437 | | 4,667 | | 14,104 |
| Other Articles | Great Britain | | 1,574 | | 386 | | 1,960 |
| | United States..... | | 44,635 | | 1,577 | | 46,212 |
| | Newfoundland..... | | 4 | | | | 4 |
| | British W. Indies | | 404 | | 30 | | 434 |
| | Spanish W. Indies | | 89 | | | | 89 |
| | Danish W. Indies | | 20 | | | | 20 |
| | Hayti..... | | 1,120 | | | | 1,120 |
| | St. Pierre et Miquelon..... | | 4 | | | | 4 |
| | | 47,850 | | 1,993 | | 49,843 | |

RECAPITULATION.

| COUNTRIES. | | | | |
|--|-----------|-----------|--------|-----------|
| Great Britain..... | 1,043,539 | | 41,549 | 1,085,088 |
| United States..... | 2,367,007 | | 25,210 | 2,392,217 |
| Newfoundland | 85,305 | | | 85,305 |
| British West Indies | 1,426,340 | | 150 | 1,426,490 |
| Spanish West Indies | 841,193 | | | 841,193 |
| French West Indies | 223,237 | | | 223,237 |
| Danish West Indies..... | 35,743 | | 84 | 35,827 |
| Dutch West Indies..... | 1,083 | | | 1,083 |
| Hayti..... | 28,246 | | | 28,246 |
| British Guiana..... | 125,831 | | | 125,831 |
| St. Pierre et Miquelon..... | 1,421 | | 90 | 1,511 |
| South America | 381,415 | | | 381,415 |
| France..... | 40 | | | 40 |
| Spain..... | 232 | | | 232 |
| Portugal..... | 50,979 | | | 50,979 |
| Italy..... | 144,181 | | | 144,181 |
| Denmark..... | | | 4,000 | 4,000 |
| Norway..... | 13,592 | | 4,308 | 17,900 |
| Austria..... | 11,510 | | | 11,510 |
| Madeira..... | 15,363 | | | 15,363 |
| Australia..... | 57,368 | | | 57,368 |
| Sandwich Islands..... | 350 | | | 350 |
| Total | 6,853,975 | | 75,391 | 6,929,366 |
| Total Export of Fish to United States | | 2,367,007 | 25,210 | 2,392,217 |
| Total Export of Fish to other Countries..... | | 4,486,968 | 50,181 | 4,537,149 |
| Grand Total..... | | 6,853,975 | 75,391 | 6,929,366 |

STATEMENT showing the Quantity and Value of Fish and Products of Fish Imported and Entered for Consumption in the Dominion of Canada, also the Duty collected thereon, during the Fiscal Year ending 30th June, 1878.

| ARTICLES. | COUNTRIES. | IMPORTED. | | ENTERED FOR HOME CONSUMPTION. | | DUTY. |
|---|---------------------|----------------|---------|-------------------------------|---------|-------------------|
| | | Quantity. | Value. | Quantity. | Value. | Amount Collected. |
| DUTIABLE. | | | | | | |
| Fish, salted or smoked | Great Britain | Lbs. 9,106 | \$ 876 | Lbs. 9,106 | \$ 876 | 91 06 |
| | United States..... | 33,141 | 2,304 | 34,351 | 2,353 | 343 51 |
| | | 42,247 | 3,180 | 43,457 | 3,229 | 434 57 |
| do Oysters, fresh, in cans.. | United States..... | | 248 | | 248 | 43 47 |
| do do Preserved..... | United States..... | Lbs. 13,842 | 2,327 | Lbs. 13,236 | 2,176 | 380 81 |
| | China..... | 1,284 | 214 | 764 | 129 | 22 57 |
| | | 15,126 | 2,541 | 14,000 | 2,305 | 403 38 |
| do Lobsters, preserved..... | Great Britain | Lbs. 529 | 97 | Lbs. 529 | 97 | 16 97 |
| | United States..... | 6,592 | 1,166 | 5,856 | 1,482 | 259 32 |
| | | 7,121 | 1,763 | 6,385 | 1,579 | 276 29 |
| do Other, preserved in Oil. | Great Britain | | 22,328 | | 23,470 | 4,107 64 |
| | United States..... | | 12,705 | | 11,187 | 1,952 33 |
| | France..... | | 7,877 | | 7,016 | 1,227 80 |
| | Germany | | 9 | | 9 | 1 57 |
| | China..... | | 383 | | 229 | 40 07 |
| | | | 43,302 | | 41,881 | 7,329 41 |
| do do Fresh, from Inland Waters | United States..... | Lbs. 33,254 | 1,159 | Lbs. 33,254 | 1,159 | 203 08 |
| do Oil, Cod Liver, medicinal preparations | Great Britain | Galls. 1,362 | 1,754 | Galls. 1,362 | 1,754 | 307 44 |
| | United States..... | 1,763 | 1,721 | 1,763 | 1,721 | 300 91 |
| | | 3,125 | 3,475 | 3,125 | 3,475 | 608 35 |
| do do Other..... | United States. | Galls. 4,412 | 3,870 | Galls. 4,412 | 3,870 | 677 31 |
| FREE. | | | | | | |
| do Cod, Haddock, Ling and Pollock, fresh ... | United States..... | Lbs. 2,216,020 | 70,579 | Lbs. 2,216,020 | 70,579 | ..... |
| do do Dry salted..... | United States..... | qtz. 42,380 | 129,740 | qtz. 42,380 | 129,740 | ..... |
| | Newfoundland.... | 2,106 | 8,415 | 2,106 | 8,415 | ..... |
| | | 44,486 | 138,155 | 44,486 | 138,155 | ..... |

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

| ARTICLES. | COUNTRIES. | IMPORTED. | | ENTRED FOR HOME CONSUMPTION. | | DUTY. |
|----------------------------------|-----------------------------------|--------------|--------|------------------------------|--------|-------------------|
| | | Quantity. | Value. | Quantity. | Value. | Amount Collected. |
| FREE.— <i>Continued.</i> | | | | | | |
| Fish, Cod, &c., wet salted | United States..... | Lbs. 151 | \$ 453 | Lbs. 151 | \$ 453 | ..... |
| | Newfoundland.... | 400 | 600 | 400 | 600 | ..... |
| | | 551 | 1,053 | 551 | 1,053 | ..... |
| do do Pickled | United States..... | Brls. 38 | 157 | Brls. 38 | 157 | ..... |
| do do Smoked..... | United States..... | Lbs. 794,070 | 45,474 | Lbs. 794,070 | 45,474 | ..... |
| do Mackerel, fresh..... | United States..... | 9,932 | 809 | 9,932 | 809 | ..... |
| do do Pickled..... | United States ... | Brls. 1,195 | 8,052 | Brls. 1,195 | 8,052 | ..... |
| | British W. Indies | 164 | 820 | 164 | 820 | ..... |
| | | 1,359 | 8,872 | 1,359 | 8,872 | ..... |
| do Halibut, fresh..... | United States ... | Lbs. 22,822 | 999 | Lbs. 22,822 | 999 | ..... |
| do do Pickled..... | United States..... | Brls. 11 | 66 | Brls. 11 | 66 | ..... |
| do Herrings, fresh | United States..... | Lbs. 294,212 | 4,780 | Lbs. 294,212 | 4,780 | ..... |
| do do Pickled..... | United States ... | Brls. 4,633 | 13,592 | Brls. 4,633 | 13,592 | ..... |
| | Newfoundland.... | 1,521 | 6,469 | 1,521 | 6,469 | ..... |
| | St. Pierre et Mi- quelon | 60 | 120 | 60 | 120 | ..... |
| | | 6,214 | 20,181 | 6,214 | 20,181 | ..... |
| do do Smoked..... | United States..... | Lbs. 401,786 | 11,852 | Lbs. 401,786 | 11,852 | ..... |
| do Sea, Other, fresh..... | United States..... | Lbs. 18,913 | 1,077 | Lbs. 18,913 | 1,077 | ..... |
| do do Pickled..... | United States..... | Brls. 14 | 72 | Brls. 14 | 72 | ..... |

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

| ARTICLES. | COUNTRIES. | IMPORTED. | | ENTERED FOR HOME CONSUMPTION. | | DUTY. |
|--------------------------------|--|-------------------------|--------------|-------------------------------|--------------|-------------------|
| | | Quantity. | Value. | Quantity. | Value. | Amount Collected. |
| | | Lbs. | \$ | Lbs. | \$ | \$ cts. |
| FREE.—Continued. | | | | | | |
| Fish, Herrings, Preserved..... | United States..... | 805 | 66 | 805 | 66 | ..... |
| do Oysters, fresh, in shell | United States..... | Brls. 2,689 | 11,514 | Brls. 2,689 | 11,514 | ..... |
| do do in cans..... | United States..... | Lbs. 1,154,159 | 98,123 | Lbs. 1,154,159 | 98,123 | ..... |
| do do Shelled, in bulk.... | United States..... | Galls. 108,948 | 94,371 | Galls. 108,948 | 94,371 | ..... |
| do Lobsters, fresh..... | United States.... | Brls. 462 | 2,723 | Brls. 462 | 2,723 | ..... |
| do do Fresh in cans..... | United States.... St. Pierre et Mi- quelon... .. | Lbs. 31,514 4,752 | 4,456 400 | Lbs. 31,514 4,752 | 4,456 400 | ..... |
| | | 36,266 | 4,856 | 36,266 | 4,856 | ..... |
| do do Preserved, in cans | United States..... | Lbs. 31,440 | 4,555 | Lbs. 31,440 | 4,555 | ..... |
| do Bait..... | United States..... | Brls. 1,690 | 7,387 | Brls. 1,690 | 7,387 | ..... |
| do Clams or other..... | United States..... | 1,504 | 7,997 | 1,504 | 7,997 | ..... |
| do Salmon, fresh..... | United States.... Newfoundland... | Lbs. 7,071 20 | 765 3 | Lbs. 7,071 20 | 765 3 | ..... |
| | | 7,091 | 768 | 7,091 | 768 | ..... |
| do do Smoked..... | United States..... | Lbs. 3,449 | 364 | Lbs. 3,449 | 364 | ..... |
| do do Canned..... | United States..... | Lbs. 198,493 | 24,220 | Lbs. 198,493 | 24,220 | ..... |
| do do Pickled..... | United States..... | Brls. 35 | 396 | Brls. 35 | 396 | ..... |

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

| ARTICLES. | COUNTRIES. | IMPORTED. | | ENTERED FOR HOME CONSUMPTION. | | DUTY. |
|---|-----------------------------|-------------------|---------|-------------------------------|---------|-------------------|
| | | Quantity. | Value. | Quantity. | Value. | Amount Collected. |
| | | Lbs. | \$ | Lbs. | \$ | \$ cts. |
| Fish, All other, fresh..... | United States..... | | 3,774 | | 3,774 | ..... |
| do do Pickled | United States..... | Brls. 128 | 641 | Brls. 128 | 641 | ..... |
| do Oil, not elsewhere specified, Cod | United States..... | Galls. 47,845 | 21,273 | Galls. 47,845 | 21,273 | ..... |
| | Newfoundland... | 1,947 | 1,104 | 1,917 | 1,104 | ..... |
| | | 49,792 | 22,377 | 49,792 | 22,377 | ..... |
| do do Seal | United States..... | Galls. 460 | 205 | Galls. 460 | 205 | ..... |
| do do Whale..... | United States..... | 6,631 | 4,228 | 6,631 | 4,228 | ..... |
| | Newfoundland... | 38 | 25 | 36 | 25 | ..... |
| | | 6,667 | 4,253 | 6,667 | 4,253 | ..... |
| do do Otter..... | United States..... | 62,505 | 22,955 | 62,505 | 22,955 | ..... |
| Furs or skins, the produce of Fish or Marine Animals..... | United States..... | | 1,899 | | 1,899 | ..... |
| | St. Pierre et Miquelon..... | | 880 | | 880 | ..... |
| | Newfoundland... | | 3,231 | | 3,231 | ..... |
| | | | 6,010 | | 6,010 | ..... |
| Fish and Products of Fish, the produce of Newfoundland... | Newfoundland... | | 509,977 | | 509,977 | ..... |
| Fish Oil do do | Newfoundland... | Galls. 205,460 | 109,272 | Galls. 205,460 | 109,272 | ..... |

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

RECAPITULATION.

| COUNTRIES. | IMPORTED. | | ENTERED FOR HOME CONSUMPTION. | | DUTY. |
|---|-----------|-----------|-------------------------------|-----------|-------------------|
| | Dutiable. | Free. | Dutiable. | Free. | Amount Collected. |
| | \$ | \$ | \$ | \$ | \$ |
| Great Britain | 25,055 | | 25,297 | | 4,523 11 |
| United States..... | 26,000 | 599,614 | 24,166 | 599,614 | 4,160 74 |
| Newfoundland..... | | 639,096 | | 639,096 | |
| France..... | 7,877 | | 7,016 | | 1,227 80 |
| Germany..... | 9 | | 9 | | 1 57 |
| China..... | 597 | | 358 | | 62 64 |
| St. Pierre et Miquelon | | 1,400 | | 1,400 | |
| British West Indies | | 820 | | 820 | |
| Total | 59,538 | 1,240,930 | 56,846 | 1,240,930 | 9,975 86 |
| Total imports from United States..... | 26,000 | 599,614 | 24,166 | 599,614 | 4,160 74 |
| do Other Countries | 33,538 | 641,316 | 32,680 | 641,316 | 5,815 12 |
| Total | 59,538 | 1,240,930 | 56,846 | 1,240,930 | 9,975 86 |
| | IMPORTED. | | ENTERED FOR HOME CONSUMPTION. | | DUTY COLLECTED |
| | \$ | | \$ | | \$ cts. |
| Total, Dutiable..... | 59,538 | | 56,846 | | 9,975 86 |
| do Free..... | 1,240,930 | | 1,240,930 | | |
| Total Imports of Fish and Fish Products, for the year ending 30th June, 1878..... | 1,300,468 | | 1,297,776 | | 9,975 86 |

STATEMENT showing the Quantity and Value of Fish and Products of Fish Exported from the Dominion of Canada, during the Six Months ending the 31st December, 1878.

| ARTICLES. | COUNTRIES TO WHICH EXPORTED. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|---|------------------------------|-------------------------------|-----------|-----------------------------------|--------|---|-----------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| Codfish—including Haddock, Ling and Pollack, dry salted. | | Cwt. | \$ | | \$ | Cwt. | \$ |
| | Great Britain..... | 29,786 | 124,888 | ..... | ..... | 29,786 | 124,888 |
| | United States..... | 49,547 | 129,164 | ..... | ..... | 49,547 | 129,164 |
| | Newfoundland.... | 3,324 | 12,236 | ..... | ..... | 3,324 | 12,236 |
| | British W. Indies | 131,695 | 532,870 | ..... | ..... | 131,695 | 532,870 |
| | Spanish W. Indies | 117,635 | 431,661 | ..... | ..... | 117,635 | 431,661 |
| | French W. Indies | 31,855 | 106,333 | ..... | ..... | 31,855 | 106,333 |
| | Danish W. Indies | 3,305 | 13,978 | ..... | ..... | 3,305 | 13,978 |
| | British Guiana.... | 23,836 | 100,556 | ..... | ..... | 23,836 | 100,556 |
| | South America.... | 54,216 | 264,552 | ..... | ..... | 54,216 | 264,552 |
| | Portugal..... | 20,201 | 91,751 | ..... | ..... | 20,201 | 91,751 |
| Italy..... | 30,067 | 124,030 | ..... | ..... | 30,067 | 124,030 | |
| Madeira..... | 1,689 | 8,281 | ..... | ..... | 1,689 | 8,281 | |
| | | 497,156 | 1,940,300 | ..... | ..... | 497,156 | 1,940,300 |
| do Wet salted.. | | Cwt. | | | | Cwt. | |
| | Great Britain..... | 11 | 22 | ..... | ..... | 11 | 22 |
| | United States..... | 88 | 410 | ..... | ..... | 88 | 410 |
| | | 99 | 432 | ..... | ..... | 99 | 432 |
| do Pickled..... | | Brls. | | | | Brls. | |
| | United States..... | 266 | 818 | ..... | ..... | 266 | 818 |
| | British W. Indies | 60 | 342 | ..... | ..... | 60 | 342 |
| | | 326 | 1,160 | ..... | ..... | 326 | 1,160 |
| Mackerel, fresh.... | | Lbs. | | | | Lbs. | |
| | United States..... | 64,754 | 3,513 | ..... | ..... | 64,754 | 3,513 |
| do Preserved... | | Lbs. | | | | Lbs. | |
| | Great Britain.... | 3,840 | 317 | ..... | ..... | 3,840 | 317 |
| do Pickled..... | | Brls. | | | | Brls. | |
| | Great Britain.... | 605 | 2,876 | ..... | ..... | 605 | 2,876 |
| | United States.... | 73,094 | 494,664 | 7,151 | 67,444 | 80,245 | 562,108 |
| | British W. Indies | 12,224 | 66,369 | ..... | ..... | 12,224 | 66,369 |
| | Spanish W. Indies | 7,291 | 32,611 | ..... | ..... | 7,291 | 32,611 |
| | French W. Indies | 1,146 | 4,656 | ..... | ..... | 1,146 | 4,656 |
| | Danish W. Indies | 1,129 | 6,481 | ..... | ..... | 1,129 | 6,481 |
| | British Guiana.... | 1,223 | 6,638 | ..... | ..... | 1,223 | 6,638 |
| | Madeira..... | 1 | 4 | ..... | ..... | 1 | 4 |
| | | 96,713 | 614,299 | 7,151 | 67,444 | 103,864 | 681,743 |
| Halibut, smoked... | | Lbs. | | | | Lbs. | |
| | United States.... | 500 | 65 | ..... | ..... | 500 | 65 |
| | French W. Indies | 160 | 21 | ..... | ..... | 160 | 21 |
| | | 660 | 86 | ..... | ..... | 660 | 86 |

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

| ARTICLES. | COUNTRIES TO WHICH EXPORTED. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|----------------------------------|----------------------------------|-------------------------------|---------|-----------------------------------|--------|---|---------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | | Lbs. | \$ | | \$ | Lbs. | \$ |
| Herrings, fresh..... | United States | 372,900 | 2,535 | | | 372,900 | 2,535 |
| do Pickled | Great Britain | 158 | 469 | 90 | 414 | 248 | 883 |
| | United States..... | 28,721 | 93,449 | 1,037 | 3,036 | 29,758 | 96,485 |
| | Newfoundland.... | 45 | 180 | | | 45 | 180 |
| | British W. Indies | 25,131 | 93,770 | | | 25,131 | 93,770 |
| | Spanish W. Indies | 9,761 | 33,105 | | | 9,761 | 33,105 |
| | French W. Indies | 1,199 | 3,435 | | | 1,199 | 3,435 |
| | Danish W. Indies | 1,554 | 4,574 | | | 1,554 | 4,574 |
| | British Guiana... | 1,444 | 6,227 | | | 1,444 | 6,227 |
| | Madeira | 160 | 525 | | | 160 | 525 |
| | | 68,173 | 235,734 | 1,127 | 3,450 | 69,300 | 239,184 |
| Herring, Smoked... | Great Britain | 15,290 | 622 | | | 15,290 | 622 |
| | United States..... | 1,816,417 | 21,960 | | | 1,816,417 | 21,960 |
| | British W. Indies | 46,500 | 1,213 | | | 46,500 | 1,213 |
| | Spanish W. Indies | 3,125 | 87 | | | 3,125 | 87 |
| | French W. Indies | 64,320 | 1,953 | | | 64,320 | 1,953 |
| | Danish W. Indies | 4,900 | 151 | | | 4,900 | 151 |
| | British Guiana... | 1,000 | 45 | | | 1,000 | 45 |
| | St. Pierre et Mi- quelon..... | | | 30 | 6 | 30 | 6 |
| | France..... | 11,100 | 222 | | | 11,100 | 222 |
| | Portugal..... | 2,400 | 110 | | | 2,400 | 110 |
| | Madeira | 8,385 | 320 | | | 8,385 | 320 |
| | Canary Islands.. | 4,500 | 92 | | | 4,500 | 92 |
| | | 1,977,937 | 26,775 | 30 | 6 | 1,977,967 | 26,781 |
| Sea Fish, other, fresh..... | Great Britain | | 91 | | | | 91 |
| | United States..... | | 9,645 | | | | 9,645 |
| | | | 9,736 | | | | 9,736 |
| Sea Fish, other, pickled..... | Great Britain | 425 | 1,391 | | | 425 | 1,391 |
| | United States..... | 2,414 | 17,501 | 33 | 252 | 2,446 | 17,753 |
| | British W. Indies | 1,229 | 5,468 | | | 1,229 | 5,468 |
| | Spanish W. Indies | 28 | 114 | | | 28 | 114 |
| | Danish W. Indies | 5 | 21 | | | 5 | 21 |
| | | 4,101 | 24,495 | 33 | 252 | 4,133 | 24,747 |

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

| ARTICLES. | COUNTRIES TO WHICH EXPORTED. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|---------------------------------|------------------------------|-------------------------------|---------|-----------------------------------|--------|---|---------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| Sea Fish, other, preserved..... | | Lbs. | \$ | Lbs. | \$ | Lbs. | \$ |
| | Great Britain | 8,400 | 875 | ..... | ..... | 8,400 | 875 |
| | United States..... | 2,160 | 216 | ..... | ..... | 2,160 | 216 |
| | British W. Indies | 960 | 100 | ..... | ..... | 960 | 100 |
| | Australia | 432 | 54 | ..... | ..... | 432 | 54 |
| | | 11,952 | 1,245 | ..... | ..... | 11,952 | 1,245 |
| Oysters, fresh..... | | Brls. | | Brls. | | Brls. | |
| | Great Britain | 92 | 186 | ..... | ..... | 92 | 186 |
| | United States..... | 17 | 49 | ..... | ..... | 17 | 49 |
| | Newfoundland... | 218 | 393 | ..... | ..... | 218 | 393 |
| | St Pierre et Miquelon..... | 31 | 41 | ..... | ..... | 31 | 41 |
| | | 358 | 669 | ..... | ..... | 358 | 669 |
| do in cans | | Lbs. | | Lbs. | | Lbs. | |
| | United States..... | 10,425 | 1,826 | ..... | ..... | 10,425 | 1,826 |
| | British W. Indies | 48 | 5 | ..... | ..... | 48 | 5 |
| | | 10,473 | 1,831 | ..... | ..... | 10,473 | 1,831 |
| Lobsters, fresh..... | | Brls. | | Brls. | | Brls. | |
| | United States | 1 | 2 | ..... | ..... | 1 | 2 |
| do Preserved... | | Lbs. | | Lbs. | | Lbs. | |
| | Great Britain | 6,725,823 | 713,481 | 309,216 | 26,729 | 7,035,039 | 740,210 |
| | United States..... | 1,351,934 | 141,452 | 106,208 | 11,647 | 1,458,192 | 153,099 |
| | British W. Indies | 30,851 | 4,638 | ..... | ..... | 30,851 | 4,698 |
| | French W. Indies | 340 | 35 | ..... | ..... | 340 | 35 |
| | Danish W. Indies | 60 | 8 | ..... | ..... | 60 | 8 |
| | France | 294,258 | 36,786 | ..... | ..... | 294,258 | 36,786 |
| | Germany | 35,040 | 4,870 | ..... | ..... | 35,040 | 4,870 |
| | South America... | 384 | 96 | ..... | ..... | 384 | 96 |
| | Italy | 240 | 120 | ..... | ..... | 240 | 120 |
| | Australia | 13,920 | 1,448 | ..... | ..... | 13,920 | 1,448 |
| | | 8,452,900 | 902,994 | 415,424 | 38,376 | 8,868,324 | 941,370 |
| Bait..... | | Brls. | | Brls. | | Brls. | |
| | United States..... | ..... | ..... | 20 | 90 | 20 | 90 |
| | St. Pierre et Miquelon..... | 60 | 248 | ..... | ..... | 60 | 248 |
| | | 60 | 248 | 20 | 90 | 80 | 338 |
| Salmon, fresh..... | | Lbs. | | Lbs. | | Lbs. | |
| | Great Britain..... | 9,600 | 1,400 | ..... | ..... | 9,600 | 1,400 |
| | United States..... | 1,062,327 | 100,349 | ..... | ..... | 1,062,327 | 100,349 |
| | St. Pierre et Miquelon..... | ..... | ..... | 96 | 14 | 96 | 14 |
| | Danish W. Indies | 130 | 30 | ..... | ..... | 130 | 30 |
| | | 1,072,657 | 101,779 | 96 | 14 | 1,072,753 | 101,793 |

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

| ARTICLES. | COUNTRIES TO WHICH EXPORTED. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|--------------------------------|------------------------------|-------------------------------|---------|-----------------------------------|-----------|---|---------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | | Lbs. | \$ | Lbs. | \$ | Lbs. | \$ |
| Salmon, Smoked... | Great Britain..... | 301 | 45 | | | 301 | 45 |
| | United States..... | 12,925 | 1,143 | | | 12,925 | 1,143 |
| | British W. Indies | 525 | 82 | | | 525 | 82 |
| | Danish W. Indies | 80 | 5 | | | 80 | 5 |
| | | 13,831 | 1,275 | | | 13,831 | 1,275 |
| do Canned..... | | Lbs. | | Lbs. | | Lbs. | |
| | Great Britain..... | 2,792,734 | 350,910 | 9,200 | 1,360 | 2,801,934 | 352,270 |
| | United States..... | 1,289,382 | 155,235 | | | 1,289,382 | 155,235 |
| | British W. Indies | 600 | 100 | | | 600 | 100 |
| | Danish W. Indies | 100 | 27 | | | 100 | 27 |
| | South America.. | 8,640 | 1,080 | | | 8,640 | 1,080 |
| | Australia..... | 388,896 | 45,612 | | | 388,896 | 45,612 |
| | 4,480,352 | 552,964 | 9,200 | 1,360 | 4,489,552 | 554,324 | |
| do Pickled..... | | Brls. | | Brls. | | Brls. | |
| | Great Britain..... | 16 | 146 | | | 16 | 146 |
| | United States..... | 4,492 | 44,112 | 588 | 4,991 | 5,080 | 49,103 |
| | Newfoundland... | 3 | 30 | | | 3 | 30 |
| | British W. Indies | 702 | 7,838 | | | 702 | 7,838 |
| | Spanish W. Indies | 30 | 300 | | | 30 | 300 |
| | Danish W. Indies | 22 | 232 | | | 22 | 232 |
| | Madeira..... | 5 | 47 | | | 5 | 47 |
| | British Guiana... | 86 | 839 | | | 86 | 839 |
| | South America... | 4 | 20 | | | 4 | 20 |
| | Australia..... | 274 | 2,293 | | | 274 | 2,293 |
| | 5,632 | 55,857 | 588 | 4,991 | 6,220 | 60,848 | |
| Fish, all other, fresh..... | United States..... | | 54,958 | | | | 54,958 |
| | Danish W. Indies | | 16 | | | | 16 |
| | | | 54,974 | | | | 54,974 |
| do Pickled..... | | Brls. | | Brls. | | Brls. | |
| | Great Britain..... | 31 | 158 | | | 31 | 158 |
| | United States..... | 1,523 | 8,469 | 300 | 2,640 | 1,823 | 11,109 |
| | British W. Indies | 860 | 3,694 | | | 860 | 3,694 |
| | Spanish W. Indies | 2 | 9 | | | 2 | 9 |
| | Danish W. Indies | 8 | 42 | | | 8 | 42 |
| | Australia..... | 67 | 477 | | | 67 | 477 |
| | | 2,491 | 12,849 | 300 | 2,640 | 2,791 | 15,489 |
| Fish Oil, Cod..... | | Galls. | | Galls. | | Galls. | |
| | Great Britain..... | 41,185 | 17,623 | 1,470 | 850 | 42,655 | 18,473 |
| | United States..... | 87,067 | 34,831 | 160 | 80 | 87,227 | 34,911 |
| | Newfoundland... | 2,608 | 1,304 | | | 2,608 | 1,304 |
| | British W. Indies | 3,171 | 1,231 | | | 3,171 | 1,231 |
| | French W. Indies | 90 | 35 | | | 90 | 35 |
| | 134,121 | 55,024 | 1,630 | 930 | 135,751 | 55,954 | |

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

| ARTICLES. | COUNTRIES TO WHICH EXPORTED. | GOODS, THE PRODUCE OF CANADA. | | GOODS, NOT THE PRODUCE OF CANADA. | | TOTAL EXPORTS, PRODUCE AND NOT PRODUCE. | |
|------------------------------------|------------------------------|-------------------------------|--------|-----------------------------------|--------|---|--------|
| | | Quantity. | Value. | Quantity. | Value. | Quantity. | Value. |
| | | Galls. | \$ | | \$ | Galls. | \$ |
| Fish Oil, Seal..... | Great Britain.... | 21,645 | 10,410 | | | 21,645 | 10,410 |
| do Whale..... | Great Britain.... | 3,920 | 2,542 | | | 3,920 | 2,542 |
| do Other..... | Great Britain.... | 79,900 | 19,978 | | | 79,900 | 19,978 |
| | United States.... | 19,126 | 5,528 | | | 19,126 | 5,528 |
| | British W. Indies | 356 | 106 | | | 356 | 106 |
| | | | 99,382 | 25,612 | | | 99,382 | 25,612 |
| Furs and Skins of marine animals.. | Great Britain.... | | 15,577 | | 300 | | 15,877 |
| | United States.... | | 50 | | | | 50 |
| | | | 15,627 | | 300 | | 15,927 |
| Other Articles.... | Great Britain.... | | 2,622 | | | | 2,622 |
| | United States.... | | 68,289 | | 35 | | 68,324 |
| | British W. Indies | | 357 | | | | 357 |
| | Spanish W. Indies | | 49 | | | | 49 |
| | Danish W. Indies | | 77 | | | | 77 |
| | | | 71,394 | | 35 | | 71,429 |

RECAPITULATION.

| | | | |
|---|-----------|---------|-----------|
| Great Britain | 1,266,629 | 29,653 | 1,296,282 |
| United States | 1,390,233 | 90,215 | 1,480,448 |
| Newfoundland | 14,143 | | 14,143 |
| British West Indies | 718,243 | | 718,243 |
| Spanish West Indies..... | 497,936 | | 497,936 |
| French West Indies..... | 116,468 | | 116,468 |
| Danish West Indies..... | 25,642 | | 25,642 |
| British Guiana..... | 114,305 | | 114,305 |
| South America..... | 265,748 | | 265,748 |
| St. Pierre et Miquelon | 289 | 20 | 309 |
| France..... | 37,008 | | 37,008 |
| Germany..... | 4,870 | | 4,870 |
| Portugal..... | 91,861 | | 91,861 |
| Italy..... | 124,150 | | 124,150 |
| Madeira..... | 9,177 | | 9,177 |
| Canary Islands..... | 92 | | 92 |
| Australia..... | 49,884 | | 49,884 |
| Total | 4,726,678 | 119,888 | 4,846,566 |
| Total Exports to the United States..... | 1,390,233 | 90,215 | 1,480,448 |
| do other Countries..... | 3,336,445 | 29,673 | 3,366,118 |
| Grand Total... .. | 4,726,678 | 119,888 | 4,846,566 |

STATEMENT shewing the Quantity and Value of Fish, and Products of Fish, Imported and Entered for Consumption in the Dominion of Canada, also the Duty collected thereon, during the Six Months ending 31st December, 1878.

| ARTICLES. | COUNTRIES. | IMPORTED. | | ENTERED FOR HOME CONSUMPTION. | | DUTY. |
|---|---------------------|--------------|--------|-------------------------------|--------|------------------|
| | | Quantity. | Value. | Quantity. | Value. | Amount Received. |
| DUTIABLE. | | | | | | |
| Fish, salted or smoked.. | Great Britain | Lbs. 1,712 | \$ 167 | Lbs. 1,712 | \$ 167 | \$ 17 12 |
| | United States. | 15,645 | 883 | 15,645 | 883 | 156 45 |
| | | 17,357 | 1,050 | 17,357 | 1,050 | 173 57 |
| do Oysters, in cans, fresh.. | United States | Lbs. 170 | 14 | Lbs. 170 | 14 | 2 45 |
| do do Preserved | United States..... | Lbs. 26,227 | 789 | Lbs. 35,060 | 1,054 | 184 34 |
| do Lobsters, preserved..... | Great Britain..... | Lbs. 360 | 56 | Lbs. 360 | 56 | 9 80 |
| | United States..... | 10,790 | 540 | 12,490 | 575 | 100 66 |
| | | 11,150 | 596 | 12,850 | 631 | 110 46 |
| do Other, preserved in oil. | Great Britain | | 27,551 | | 22,740 | 4,079 79 |
| | United States..... | | 10,737 | | 6,634 | 1,060 95 |
| | France | | 3,534 | | 4,091 | 715 92 |
| | China..... | | 326 | | 518 | 90 65 |
| | | | 42,148 | | 33,983 | 5,947 31 |
| do Fresh, from Inland Lakes..... | United States | 5,793 | 267 | 5,793 | 267 | 47 56 |
| do Oil, Cod Liver..... | Great Britain | 652 | 681 | 152 | 159 | 27 82 |
| | United States..... | 558 | 682 | 558 | 682 | 119 35 |
| | Norway..... | 325 | 1,022 | 252 | 256 | 132 28 |
| | | 1,535 | 2,385 | 962 | 1,597 | 279 45 |
| do do Other, not elsewhere specified..... | Great Britain | 335 | 452 | 305 | 452 | 79 10 |
| | United States..... | 1,915 | 1,736 | 1,915 | 1,796 | 314 29 |
| | | 2,220 | 2,248 | 2,220 | 2,248 | 393 39 |
| Fish, Cod, Haddock, Ling and Pollack, fresh.. | United States..... | Lbs. 757,109 | 20,409 | Lbs. 757,109 | 20,409 | ..... |
| | | | | | | |
| do do Dry salted..... | United States..... | Cwt. 20,453 | 54,311 | Cwt. 20,453 | 54,311 | ..... |
| | Labrador. | 2,700 | 10,800 | 2,700 | 10,800 | ..... |
| | | 23,153 | 65,111 | 23,153 | 65,111 | ..... |
| do do Wet salted.. | United States..... | Cwt. 52 | 67 | Cwt. 52 | 67 | ..... |

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

| ARTICLES. | COUNTRIES. | IMPORTED. | | ENTERED FOR HOME CONSUMPTION. | | DUTY. |
|---|---|---------------------------|--------------------|-------------------------------|--------------------|-------------------------|
| | | Quantity. | Value. | Quantity. | Value. | Amount Received. |
| FREE—Continued. | | Brls. | \$ | Brls. | \$ | \$ cts. |
| Fish, Cod, Haddock, Ling and Pollack, Pickled | United States..... | 76 | 627 | 76 | 627 | ..... |
| do do Smoked..... | United States..... | Lbs. 428,668 | 23,459 | Lbs. 428,668 | 23,459 | ..... |
| do Mackerel, fresh..... | United States..... | Lbs. 40,408 | 856 | Lbs. 40,408 | 856 | ..... |
| do do Pickled..... | United States..... | Brls. 377 | 1,850 | Brls. 377 | 1,850 | ..... |
| do Halibut, fresh..... | United States..... | Lbs. 3,400 | 132 | Lbs. 3,400 | 132 | ..... |
| do do Pickled..... | United States..... | Brls. 15 | 61 | Brls. 15 | 61 | ..... |
| do Herring, fresh..... | United States..... | Lbs. 52,030 | 839 | Lbs. 52,030 | 839 | ..... |
| do do Pickled..... | United States .. St. Pierre et Mi- quelon..... Labrador..... | Brls. 878 83 100 | 2,588 86 415 | Brls. 878 83 100 | 2,588 86 415 | ..... ..... ..... |
| | | 1,061 | 3,089 | 1,061 | 3,089 | ..... |
| do do Smoked | United States..... | Lbs. 211,749 | 6,035 | Lbs. 211,749 | 6,035 | ..... |
| Sea Fish, Other, fresh..... | United States..... | | 7 | | 7 | ..... |
| do Pickled..... | United States..... | Brls. 2 | 8 | Brls. 2 | 8 | ..... |
| do Preserved | United States..... | Lbs. 102 | 9 | Lbs. 102 | 9 | ..... |
| Oysters, fresh, in shell..... | United States..... | Brls. 1,050 | 4,444 | Brls. 1,050 | 4,444 | ..... |

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

| ARTICLES. | COUNTRIES. | IMPORTED. | | ENTERED FOR HOME CONSUMPTION. | | DUTY. |
|---|--------------------|------------------|--------|-------------------------------|--------|-------------------|
| | | Quantity. | Value. | Quantity. | Value. | Amount Collected. |
| FREE.—Continued. | | Lbs. | \$ | Lbs. | \$ | \$ cts. |
| Oysters, fresh, in cans | United States..... | 528,908 | 51,134 | 528,908 | 51,134 | ..... |
| do Shelled, in bulk | United States.... | Galls. 52,276 | 45,069 | Galls. 52,276 | 45,069 | ..... |
| Lobsters, fresh | United States..... | Brls. 422 | 1,556 | Brls. 422 | 1,556 | ..... |
| do Fresh, in cans..... | United States..... | Lbs. 28,877 | 3,027 | Lbs. 28,877 | 3,027 | ..... |
| do Preserved, in cans..... | United States.... | Lbs. 12,187 | 2,047 | Lbs. 12,187 | 2,047 | ..... |
| Bait, fish..... | United States..... | Brls. 971 | 4,237 | Brls. 971 | 4,237 | ..... |
| do Clams or other | United States..... | Brls. 360 | 1,622 | Brls. 360 | 1,622 | ..... |
| Salmon, fresh... .. | United States..... | Lbs. 27,539 | 2,280 | Lbs. 27,539 | 2,280 | ..... |
| do Smoked | United States.... | Lbs. 11,398 | 789 | Lbs. 11,398 | 789 | ..... |
| do Canned | United States..... | Lbs. 220,614 | 23,792 | Lbs. 220,614 | 23,792 | ..... |
| do Pickled | United States..... | Brls. 47 | 473 | Brls. 47 | 473 | ..... |
| Fish, all other, fresh..... | United States..... | | 780 | | 780 | ..... |
| do do Pickled..... | United States..... | Brls. 20 | 70 | Brls. 20 | 70 | ..... |
| Fish Oil, Cod, not elsewhere specified..... | United States..... | Galls. 69,387 | 23,767 | Galls 69,387 | 23,767 | ..... |
| | Labrador | 1,595 | 636 | 1,595 | 636 | ..... |
| | Newfoundland... | 186 | 93 | 186 | 93 | ..... |
| | | 71,168 | 24,496 | 71,168 | 24,496 | ..... |

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

| ARTICLES. | COUNTRIES. | IMPORTED. | | ENTERED FOR HOME CONSUMPTION. | | DUTY. |
|---|-------------------|-------------------|-------------|-------------------------------|-------------|-------------------|
| | | Quantity. | Value. | Quantity. | Value. | Amount Collected. |
| FREE—Concluded. | | | | | | |
| Fish Oil, Seal..... | Newfoundland ... | Galls. 16,324 | \$ 8,168 | Galls. 16,324 | \$ 8,168 | ..... |
| do Whale | United States.... | Galls. 1,632 | 853 | Galls. 1,632 | 853 | ..... |
| do Other | United States.... | Galls. 38,943 | 14,311 | Galls. 38,943 | 14,311 | ..... |
| Furs or Skins, the produce of fish or marine animals..... | United States.... | | 9,150 | | 9,150 | ..... |
| Fish, the produce of Newfoundland..... | Newfoundland... | | 407,085 | | 407,085 | ..... |
| Fish Oil do do .. | Newfoundland... | Galls. 136,868 | 73,596 | Galls. 136,868 | 73,596 | ..... |

RECAPITULATION.

| | | | | | |
|--|--|--------------|--|--------------|--------------------|
| Total Dutiable | | \$ 49,497 | | \$ 40,844 | \$ cts 7,138 53 |
| do Free..... | | 801,578 | | 801,578 | ..... |
| Total Imports of Fish and Products of Fish, for six months ending 31st December, 1878..... | | 851,075 | | 842,422 | 7,138 53 |

EXPENDITURE AND RECEIPTS.

The following are statements of amounts expended and collected during the fiscal year ended 30th June, 1878, and the current expenses from the 1st July to 31st December, 1878. The expenditure for the period first above named is subdivided for the several Provinces and services as follows:—

ONTARIO.

| | |
|--|-------------|
| Fishery Overseers' salaries and disbursements..... | \$12,723 88 |
| Fish-breeding..... | 5,234 77 |
| | <hr/> |
| | \$17,958 65 |
| | <hr/> |

QUEBEC.

| | |
|--|-------------|
| Fishery Overseers' salaries and disbursements..... | \$13,662 55 |
| Fish-breeding..... | 7,059 95* |
| Fisheries Protection vessel..... | 19,967 11 |
| | <hr/> |
| | \$40,689 61 |
| | <hr/> |

NOVA SCOTIA.

| | |
|--|-------------|
| Fishery Overseers' salaries and disbursements..... | \$15,292 82 |
| Fish-breeding..... | 3,550 00 |
| | <hr/> |
| | \$18,842 82 |
| | <hr/> |

NEW BRUNSWICK.

| | |
|---|-------------|
| Fishery Overseers' and Inspector of Fisheries, salaries and disbursements..... | \$10,926 11 |
| Fish-breeding..... | 1,468 22 |
| | <hr/> |
| | \$12,394 33 |
| | <hr/> |

Under the head of Fish Breeding must also be reckoned
Mr. Samuel Wilmot's salary and travelling disburse-
ments as being applicable to the several Establish-
ments in the Dominion \$2,775 86

* The expenses of the Restigouche Hatchery are charged in the aggregate of Quebec expenditure,—this establishment being situate on the Quebec side of the river—although New Brunswick derives a large share of the benefit of its operations.

PRINCE EDWARD ISLAND.

| | |
|--|------------|
| Fishery Overseers' salaries and disbursements..... | \$1,836 54 |
|--|------------|

BRITISH COLUMBIA.

| | |
|---|----------|
| Inspector of Fisheries' salary and disbursements..... | \$690 00 |
|---|----------|

MANITOBA.

| | |
|--------------------------------|----------|
| Fishery Overseers' salary..... | \$200 00 |
|--------------------------------|----------|

| | |
|------------------------|-------------|
| Total Expenditure..... | \$95,387 81 |
|------------------------|-------------|

And for the subsequent half-year as follows:—

| | |
|---|-------------|
| Ontario, Fishery Overseers' salaries and disbursements. | \$6,110 82 |
| Quebec, do do ... | 8,716 64 |
| Nova Scotia, do do ... | 7,230 00 |
| New Brunswick, do do ... | 5,105 67 |
| Prince Edward Island..... | 687 50 |
| Manitoba..... | 200 00 |
| British Columbia..... | 850 00 |
| Fisheries Protection Steamer "Lady Head"..... | 8,699 96 |
| Fish-breeding..... | 11,129 98 |
| Total..... | \$48,730 57 |

The collections during the fiscal year are arranged under the following heads:—

ONTARIO.

| | |
|---|------------|
| Rents, license fees, fines and confiscations..... | \$5,202 00 |
|---|------------|

QUEBEC.

| | |
|--|----------|
| Rents, license fees, fines and confiscations... .. | 5,453 27 |
|--|----------|

NOVA SCOTIA.

| | |
|---|----------|
| Taxes on nets, fines and forfeitures..... | 1,442 38 |
|---|----------|

NEW BRUNSWICK.

| | |
|--|----------|
| Rents, taxes on nets, fines and forfeitures..... | 2,015 46 |
|--|----------|

| | |
|------------|-------------|
| Total..... | \$14,113 11 |
|------------|-------------|

LICENSES ISSUED.

The number of Fishery Licenses issued during the season of 1878 are as follows:—

ONTARIO.

| | |
|------------------------|-------|
| Gill-net licenses..... | 328 |
| Hoop-net do | 31 |
| Pound-net do | 39 |
| Seine do | 163 |
| Angling permits..... | 1,393 |
| Spearing licenses..... | 125 |

QUEBEC.

| | |
|----------------------------------|-----|
| Salmon-net fishing licenses..... | 369 |
| Sea-Trout do | 44 |
| Brush Weirs do | 179 |
| Eel Weirs do | 11 |
| Seine do | 104 |
| Gill-net do | 228 |

NEW BRUNSWICK.

| | |
|----------------------------------|-----|
| Salmon-net fishing licenses..... | 731 |
| Herring weirs do | 79 |
| Bass do | 682 |
| Smelt do | 428 |
| Angling permits..... | 55 |

NOVA SCOTIA.

| | |
|------------------------|----|
| Trap-net licenses..... | 87 |
| Weirs " | 8 |

Total..... 5,084

STAFF OF FISHERY OFFICERS.

In 1878 the staff of fishery officers consisted of the following:—

| | |
|--|-----|
| ONTARIO—Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Guardians..... | 93 |
| QUEBEC—Fishery Overseers (<i>ex-officio</i> Magistrates) and Fish- ery Guardians..... | 99 |
| NOVA SCOTIA—Inspector, Fishery Overseers (<i>ex-officio</i> Magis- trate) and Fishery Wardens..... | 250 |

| | |
|--|-----|
| NEW BRUNSWICK—Inspector, Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Wardens..... | 118 |
| PRINCE EDWARD ISLAND—Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Wardens..... | 35 |
| BRITISH COLUMBIA—Inspector of Fisheries and Fishery Overseer..... | 2 |
| MANITOBA—Fishery Overseer (<i>ex-officio</i> Magistrate)..... | 1 |
| GULF OF ST. LAWRENCE—Commander and crew of Fisheries Protection Steamer "Lady Head"..... | 26 |
| ----- | |
| Making the total number of Fishery Officers now employed in the Outside Service..... | 624 |

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.

FISH CULTURE.

The total expenditure on account of this service for the fiscal year ended 30th June, 1878, amounts to \$20,088.80, divided as follows among the seven establishments engaged in the artificial reproduction of fish:—

| | |
|--|-------------|
| Newcastle, Ontario | \$2,403 56 |
| Sandwich, do | 2,546 21 |
| Tadoussac, Quebec..... | 3,060 93 |
| Gaspé Basin, do | 2,069 05 |
| Restigouche, do | 1,555 87 |
| Bedford Basin, Nova Scotia..... | 3,400 00 |
| Miramichi, New Brunswick..... | 1,468 22 |
| General disbursements, including Mr. S. Wilmot's salary and travelling expenses..... | 3,584 96 |
| | ----- |
| | \$20,088 80 |

A statement in detail of this expenditure will be found at Appendix No. 40. No new establishments were opened during the past season, but indispensable repairs and necessary improvements were made at Sandwich, Bedford and Miramichi.

FISH BREEDING.

The whole number of young fish distributed during the Spring of 1878 was 27,554,000, apportioned as follows:—

STATEMENT of the distribution of young fish at the several breeding Establishments in the Dominion of Canada, during the Spring of 1878, from the hatching of 1877.

NEWCASTLE ESTABLISHMENT, ONTARIO.

| Names of Rivers or Places where Fry were placed or sent. | KINDS OF FISH. | | | | |
|---|----------------|-----------------------|------------------|--------------------|------------|
| | Salmon. | California Salmon. | Salmon Trout. | Speckled Trout. | Whitefish. |
| Wilmot's Creek, Ontario..... | 240,000 | 26,500 | 50,000 | 10,000 | 10,000 |
| Barber's do do | 40,000 | 1,000 | | | |
| Duffin's do do | 20,000 | | | | |
| Grafton do do | 10,000 | 1,000 | | | |
| Trent River do | 50,000 | 1,000 | | | |
| Saugeen River do | 40,000 | 5,000 | | | |
| Rouge do do | 10,000 | | | | |
| Humber do do | 10,000 | | | | |
| Credit do do | 10,000 | | | | |
| Ontario Lake do | 20,000 | | 500,000 | | 1,000,000 |
| Balsam do do | 10,000 | | 20,000 | | |
| Clear do do | 10,000 | | 20,000 | | |
| Sandy do do | 10,000 | | 20,000 | | |
| North River, Quebec..... | 20,000 | 500 | | | |
| Magog Lake and River, Quebec..... | 10,000 | | 10,000 | 10,000 | |
| Bedford Lakes, Nova Scotia..... | | | 10,000 | | 200,000 |
| Adirondack Lakes, United States... .. | 20,000 | | | | |
| Cushog do Quebec..... | 10,000 | | | | 30,000 |
| To Lord Exeter, England..... | 20,000 | | 10,000 | | 30,000 |
| To Alex. Begg, Esq., England..... | 40,000 | | 10,000 | | 30,000 |
| Total..... | 600,000 | 35,000 | 650,000 | 20,000 | 1,300,000 |

SANDWICH ESTABLISHMENT, ONTARIO.

| | | | | | |
|---------------------------|--|--|--|--|------------|
| Toronto Bay, Ontario..... | | | | | 220,000 |
| Burlington Bay do | | | | | 220,000 |
| Detroit River do | | | | | 20,000,000 |
| Total..... | | | | | 20,440,000 |

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

BEDFORD ESTABLISHMENT, NOVA SCOTIA.

| Names of Rivers or Places where Fry were placed or sent. | KINDS OF FISH. | | | | |
|---|----------------|-----------------------|------------------|------------------|------------|
| | Salmon. | California Salmon. | Salmon Trout. | Salmon Trout. | Whitefish. |
| Musquodoboit River, Co. Halifax, N.S. | 120,000 | | | | |
| Sackville do do | 80,000 | | | | |
| Shubenacadie do do | 50,000 | | | | |
| Big Salmon do do | 20,000 | | | | |
| Little Salmon do do | 20,000 | | | | |
| Mosher do do | 20,000 | | | | |
| Nine Miles do do | 20,000 | | | | |
| Pennant do do | 20,000 | | | | |
| Indian do do | 20,000 | | | | |
| Ingraham do do | 20,000 | | | | |
| North-East do do | 20,000 | | | | |
| Gays do do | 20,000 | | | | |
| Meander do Co. Hants, N.S. | 40,000 | | | | |
| Windsor do do | 40,000 | | | | |
| Kennetcook do do | 40,000 | | | | |
| Debert do do | 40,000 | | | | |
| Cornwallis do do | 40,000 | | | | |
| Gaspereaux do do | 40,000 | | | | |
| Phillip River, Co. Cumberland, N.S. | 80,000 | | | | |
| Wallace do do | 40,000 | | | | |
| Pugwash do do | 20,000 | | | | |
| Maccan do do | 20,000 | | | | |
| Salmon do Co. Colchester, N.S. | 80,000 | | | | |
| Stewiacke River do do | 40,000 | | | | |
| North do do | 40,000 | | | | |
| Debert do do | 20,000 | | | | |
| Ingonish do do | 20,000 | | | | |
| French do do | 20,000 | | | | |
| Folly do do | 20,000 | | | | 20,000 |
| East do Co. Pictou, N.S. | 70,000 | | | | |
| West do do | 80,000 | | | | |
| Middle do do | 70,000 | | | | |
| Sutherland's River do do | 40,000 | | | | |
| Annapolis River, Co. Annapolis, NS. | 50,000 | | | | |
| La Have do Co. Lunenburg, N.S. | 20,000 | | | | |
| Grand Lake, Co. Halifax, N.S. | | | 8,000 | | 120,000 |
| Lily do do | | | | | 10,000 |
| Sandy do do | | | | | 10,000 |
| Total | 1,400,000 | | 8,000 | | 160,000 |

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

TADOUSSAC ESTABLISHMENT, QUEBEC.

| Names of Rivers or Places where Fry were placed or sent. | KINDS OF FISH. | | | | |
|---|----------------|-----------------------|------------------|--------------------|------------|
| | Salmon. | California Salmon. | Salmon Trout. | Speckled Trout. | Whitefish. |
| Ste. Marguerité River, Quebec..... | 253,000 | | | | |
| Petites Isles, do do | 117,000 | | | | |
| Anse St. Jean do do | 90,000 | | | | |
| Anse à Cheval do do | 68,000 | | | | |
| A Mars do do | 67,000 | | | | |
| Petit Saguenay do do | 32,000 | | | | |
| St. David do do | 26,000 | | | | |
| St. Thomas do do | 18,000 | | | | |
| Jacques Cartier do do | 16,000 | | | | |
| Fresh Water Pond, do | 20,000 | | | | |
| Total | 707,000 | | | | |

GASPÉ BASIN ESTABLISHMENT, QUEBEC.

| | | | | | |
|------------------------------|---------|--|--|--|--|
| Dartmouth River, Quebec..... | 300,000 | | | | |
| St. John do | 200,000 | | | | |
| York do | 150,000 | | | | |
| Malbaie do | 40,000 | | | | |
| Grand do | 30,000 | | | | |
| Grand Pabos do | 30,000 | | | | |
| Total | 750,000 | | | | |

RISTIGOUGHE ESTABLISHMENT, QUEBEC.

| | | | | | |
|-----------------------------|-----------|--|--|--|--|
| Main Restigouche River..... | 350,000 | | | | |
| Grand Cascapedia do | 90,000 | | | | |
| Metapedia do | 50,000 | | | | |
| Upsalquitch do | 250,000 | | | | |
| Amqui do | 50,000 | | | | |
| Causapscal do | 50,000 | | | | |
| Little do | 50,000 | | | | |
| Nipissiquit do | 50,000 | | | | |
| Little Cascapedia do | 40,000 | | | | |
| Bonaventure do | 35,000 | | | | |
| Total | 1,015,000 | | | | |

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

MIRAMICHI ESTABLISHMENT, NEW BRUNSWICK.

| Fish-Breeding Establishment. | KINDS OF FISH. | | | | |
|---------------------------------------|----------------|--------------------|---------------|-----------------|------------|
| | Salmon. | California Salmon. | Salmon Trout. | Speckled Trout. | Whitefish. |
| North-West, Miramichi River, N.B..... | 100,000 | | | | |
| Main South-West do do | 100,000 | | | | |
| Little do do do | 95,000 | | | | |
| Nappan River, N.B..... | 50,000 | | | | |
| Black do | 50,000 | | | | |
| Shediac do | 50,000 | | | | |
| Tabusintac do | 45,000 | | | | |
| Sevogie do | 45,000 | | | | |
| Bartibog do | 40,000 | | | | |
| Burnt Church | 40,000 | | | | |
| Salmon do | 30,000 | | | | |
| Canaan do | 20,000 | | | | |
| Total | 665,000 | | | | |

RECAPITULATION.

| | | | | | |
|---------------------------------------|-----------|--------|---------|--------|------------|
| Newcastle Establishment, Ontario..... | 600,000 | 35,000 | 650,000 | 20,000 | 1,300,000 |
| Sandwich do do | | | | | 20,440,000 |
| Bedford do N.E..... | 1,404,000 | | 8,000 | | 160,000 |
| Restigouche do Quebec..... | 1,015,000 | | | | |
| Gaspé do do | 750,000 | | | | |
| Tadoussac do do | 707,000 | | | | |
| Miramichi do N.B..... | 665,000 | | | | |
| Total-Distribution in 1878.... | 5,141,000 | 35,000 | 658,000 | 20,000 | 21,900,000 |

| | |
|------------------------|------------|
| Salmon..... | 5,141,000 |
| California Salmon..... | 35,000 |
| Salmon Trout..... | 658,000 |
| Speckled Trout..... | 20,000 |
| Whitefish..... | 21,900,000 |

Grand Total..... 27,764,000

SUMMARY OF OPERATIONS IN THE AUTUMN OF 1878.

The following numbers of Vivified Eggs were deposited in the Hatching-troughs of the several Fish-breeding Establishments in the Dominion, in the Fall of 1878.

| Establishments. | Salmon. | Salmon Trout. | Speckled Trout. | Whitefish. |
|---|-----------|---------------|-----------------|------------|
| Newcastle, Ontario. { Lake Ontario, Salmon..... | 856,000 | 1,840,000 | 144,000 | 1,000,000 |
| { California do | 1,000 | | | |
| Sandwich do | | | | 15,000,000 |
| Gaspé, Quebec | 1,650,000 | | | |
| Tadoussac, Quebec..... | 1,375,000 | | | |
| Restigouche do | 1,560,000 | | 25,000 | |
| Bedford, N.E..... | 2,500,000 | | | |
| Miramichi, N.B. | 1,000,000 | | | |
| Total | 8,912,000 | 1,840,000 | 169,000 | 16,000,000 |

RECAPITULATION.

| Establishments. | Number of Vivified Eggs. |
|--------------------------|--------------------------|
| Newcastle, Ontario | 3,841,000 |
| Sandwich do | 15,000,000 |
| Gaspé, Quebec | 1,650,000 |
| Tadoussac, Quebec..... | 1,375,000 |
| Restigouche do | 1,585,000 |
| Bedford, N.E..... | 2,500,000 |
| Miramichi, N.E..... | 1,000,000 |
| Total | 26,951,000 |

SALMON ANGLING.

The total sum accruing as rents under leases of angling privileges amounts to about \$5,000.

The number of salmon caught by anglers is reported at 2,713, about the same as last year's catch. Some of the best streams on the north coast, such as the Natashquan, St. John and Romaine were not angled, and others, such as the Mingan, Kegashca, &c., &c., were only partially fished.

It is also apprehended that in some streams the actual catch is much underrated, owing to the difficulty of procuring accurate returns from the lossees and their friends.

The local fishery officers uniformly report the spawning grounds as having been filled with breeding fish last season, and the rivers swarming with fry.

SCHEDULE of Salmon Angling in the Leased Rivers of the Provinces of Quebec and New Brunswick during the Season of 1878.

| Names of Rivers. | No. of Salmon. | Total Weight. | Average Weight. | Weight of the Largest Fish. | Weight of the Smallest Fish. | Remarks. |
|---------------------------------|----------------|-------------------|-------------------|-----------------------------|------------------------------|--|
| | | Lbs. | Lbs. | Lbs. | Lbs. | |
| Du Gouffre..... | 7 | 105 | 15 | | | |
| Murray..... | 8 | 175 | 17 $\frac{1}{2}$ | | | |
| Ste. Marguerite, N.E. Branch... | 6 | 1,021 | 16 $\frac{1}{2}$ | 33 | 9 | 3 Grilse and 2 Winnonish. |
| do N.W. do..... | | | | | | No returns. |
| A Mars..... | 28 | 366 | 13 $\frac{1}{8}$ | 26 | 8 | 1 Grilse. |
| Little Saguenay..... | 7 | 105 | 15 | 25 | 10 | Anglers arrived too late. |
| Anse St. Jean..... | 3 | 38 | 12 $\frac{3}{4}$ | | | |
| Sault au Cochon..... | | | | | | Not angled. |
| Laval..... | | | | | | do |
| Godbout..... | 239 | 2,811 | 11 $\frac{1}{4}$ | 26 | 7 | Water low; no fishing in lower pool |
| Romaine..... | | | | | | Not angled. |
| Mingan..... | 17 | 239 $\frac{1}{2}$ | 14 $\frac{1}{2}$ | 31 | 8 $\frac{1}{2}$ | Angled only during four days. |
| Mistassini..... | 1 | 5 | | | | Only partially angled. |
| Bessie..... | 3 | 38 | 12 $\frac{3}{4}$ | 18 | 10 | do |
| Manitou..... | | | | | | Not angled. |
| Moisie..... | 154 | 3,396 | 22 $\frac{1}{10}$ | 39 | 7 | |
| Kegashka..... | 6 | 90 | 15 | | | Angled only during a couple of days. |
| St. John..... | | | | | | Not angled. |
| Natashquan..... | | | | | | do |
| Watsheeshoo..... | | | | | | do |
| Washeecootai..... | | | | | | do |
| Rimouski..... | 74 | 1,200 | 18 | 30 | 10 | |
| Metis..... | 42 | 937 | 22 $\frac{1}{3}$ | 44 | 12 | |
| Matane..... | 89 | 129 | 10 | 41 | 8 | |
| Little S.W. Bic..... | 23 | 149 | 6 $\frac{1}{2}$ | 12 | 3 $\frac{1}{2}$ | |
| Ste. Anne-des-Monts..... | 62 | 1,248 | 20 $\frac{1}{2}$ | 39 | 9 | |
| Madeleine..... | 18 | 268 | 14 $\frac{1}{8}$ | 31 | 7 | |
| York..... | 97 | 2,149 | 22 $\frac{1}{8}$ | 35 $\frac{1}{2}$ | 9 | |
| St. John..... | 67 | 817 | 12 $\frac{1}{2}$ | | | |
| Dartmouth..... | 73 | 1,740 | 23 | | | |
| Grand..... | 129 | 2,165 | 16 $\frac{1}{2}$ | 32 | 7 | |
| Grand Pabos..... | 18 | 189 | 10 $\frac{1}{2}$ | 17 | 6 | |
| Little Pabos..... | | | | | | Not angled. |
| Bonaventure..... | 40 | 664 | 16 $\frac{1}{2}$ | 28 | | |
| Little Cascapedia..... | 7 | 200 | 28 $\frac{1}{2}$ | | | |
| Grand do..... | 305 | 3,173 | 16 | 50 | | One salmon, 56 $\frac{1}{2}$ lbs., killed. |
| Matapedia..... | 171 | 3,952 | 23 | 41 | | |
| Upsalquitch..... | 2 | 17 | 8 $\frac{1}{2}$ | | | Only angled one day. |
| Ristigouche, Lower Division... | 177 | 2,887 | 22 | 16 | | |
| do Middle do..... | 413 | 9,402 | 22 $\frac{1}{2}$ | 40 | | |
| do Upper do..... | 367 | 5,928 | 16 $\frac{1}{2}$ | 32 | | |
| Jacquet..... | 12 | 120 | 10 | | | |
| S.W. Miramichi..... | 13 | 138 | 10 $\frac{1}{2}$ | 12 $\frac{1}{2}$ | 7 | |
| Nipissiguit..... | | | | | | No return. |
| do (Rough Waters)..... | 45 | 630 | | | | |
| Total..... | 2,713 | 47,653 | 17 $\frac{1}{2}$ | 50 | 3 $\frac{1}{2}$ | |

GENERAL REMARKS.

In order to avoid increasing the bulk of this report, many subjects connected with the state and improvement of the Fisheries Services are dealt with in special statements submitted for your consideration. These will be duly commented upon in my next report, when such of the suggestions as meet your approval shall have been tried in practice.

CONCLUSION.

The Fisheries business of the Department has grown to such an important extent, and the duties of the inside and outside staff are now so much increased, it has become necessary to revise the organization, and to place the service on a more satisfactory footing as regards officers and their pay.

I have the honor to be, Sir,

Your obedient servant,

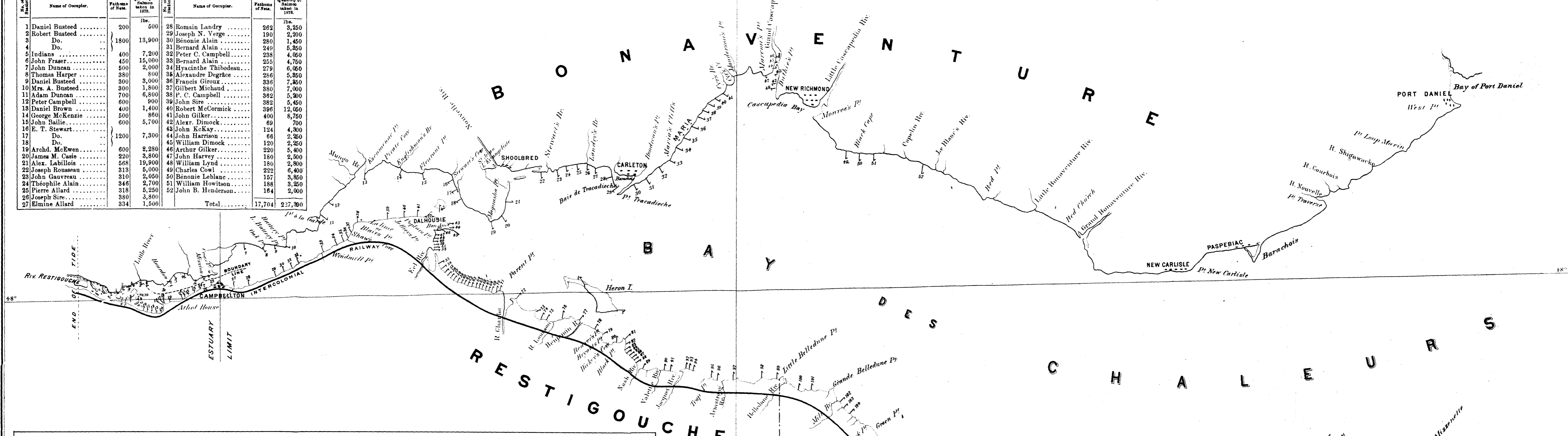
W. F. WHITCHER,

Commissioner of Fisheries.

SCHEDULE OF SALMON FISHING STATIONS
ON THE
QUEBEC SIDE OF BAY DES CHALEURS,
FROM END OF TIDE-WATER TO PASPEBIAC, 1878.

| No. of Station | Name of Occupier | Fathoms of Nets | Quantity of Salmon taken in 1878. | No. of Station | Name of Occupier | Fathoms of Nets | Quantity of Salmon taken in 1878. |
|----------------|------------------|-----------------|-----------------------------------|----------------|---------------------|-----------------|-----------------------------------|
| 1 | Daniel Busted | 200 | 1,500 | 28 | Romain Landry | 262 | 3,250 |
| 2 | Robert Busted | 1800 | 13,900 | 29 | Joseph N. Verge | 190 | 2,200 |
| 3 | Do. | 1800 | 13,900 | 30 | Bénonie Alain | 280 | 1,450 |
| 4 | Do. | 1800 | 13,900 | 31 | Bernard Alain | 249 | 5,850 |
| 5 | Judians | 400 | 7,200 | 32 | Peter C. Campbell | 238 | 4,050 |
| 6 | John Fraser | 450 | 15,000 | 33 | Bernard Alain | 255 | 4,750 |
| 7 | John Duncan | 500 | 2,000 | 34 | Hyacinthe Thibodeau | 279 | 6,050 |
| 8 | Thomas Harper | 350 | 800 | 35 | Alexandre Degrace | 286 | 5,850 |
| 9 | Daniel Busted | 300 | 3,000 | 36 | Francis Giroux | 336 | 7,350 |
| 10 | Mrs. A. Busted | 300 | 1,800 | 37 | Gilbert Michaud | 380 | 7,000 |
| 11 | Adam Duncan | 700 | 6,800 | 38 | P. C. Campbell | 362 | 5,200 |
| 12 | Peter Campbell | 600 | 900 | 39 | John Sire | 382 | 5,450 |
| 13 | Daniel Brown | 400 | 1,400 | 40 | Robert McCormick | 396 | 12,350 |
| 14 | George McKenzie | 500 | 860 | 41 | John Gilker | 400 | 8,750 |
| 15 | John Bailie | 600 | 5,700 | 42 | Alexr. Dimock | 69 | 700 |
| 16 | E. T. Stewart | 1200 | 7,300 | 43 | John McKay | 124 | 4,300 |
| 17 | Do. | 1200 | 7,300 | 44 | John Harrison | 66 | 2,250 |
| 18 | Do. | 1200 | 7,300 | 45 | William Dimock | 120 | 2,250 |
| 19 | Archd. McEwen | 600 | 2,280 | 46 | Arthur Gilker | 220 | 5,400 |
| 20 | James M. Casie | 220 | 3,800 | 47 | John Harvey | 180 | 2,500 |
| 21 | Alex. Labliss | 568 | 13,500 | 48 | William Lynd | 180 | 2,500 |
| 22 | Joseph Roussau | 313 | 5,000 | 49 | Charles Cowi | 229 | 6,400 |
| 23 | John Gauvreau | 310 | 2,050 | 50 | Bénonie Leblanc | 157 | 3,850 |
| 24 | Théophile Alain | 346 | 2,700 | 51 | William Howatson | 188 | 3,200 |
| 25 | Pierre Allard | 318 | 5,250 | 52 | John B. Henderson | 164 | 2,000 |
| 26 | Joseph Sire | 330 | 3,800 | | | | |
| 27 | Elmine Allard | 334 | 1,500 | | | | |
| | | | | Total | | 17,704 | 227,390 |

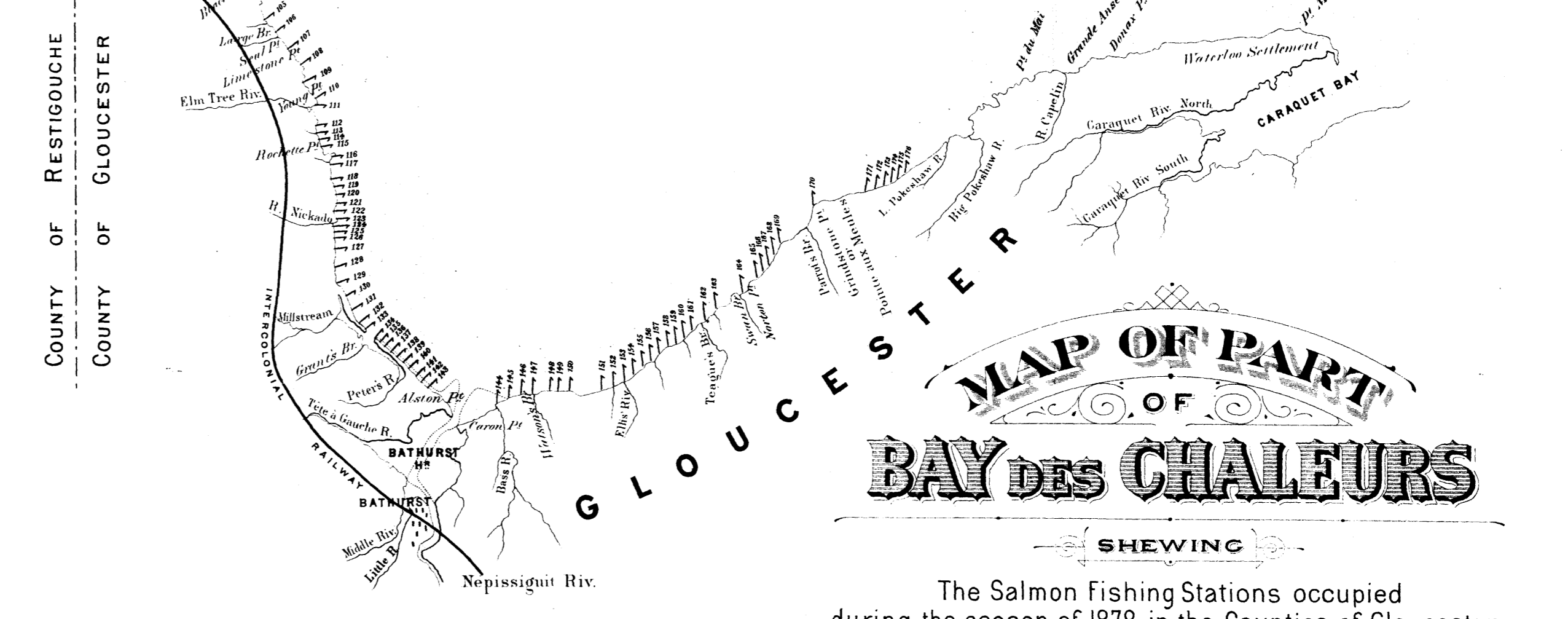
P R O V I N C E OF Q U E B E C



SCHEDULE OF SALMON FISHING STATIONS
On the New Brunswick Side of Bay des Chaleurs, from End of Tide-Water to Point Mizzenette, 1878.

| No. of Station | Name of Occupier | Fathoms of Nets | Quantity of Salmon taken in 1878. | No. of Station | Name of Occupier | Fathoms of Nets | Quantity of Salmon taken in 1878. | No. of Station | Name of Occupier | Fathoms of Nets | Quantity of Salmon taken in 1878. | No. of Station | Name of Occupier | Fathoms of Nets | Quantity of Salmon taken in 1878. |
|----------------|-----------------------|-----------------|-----------------------------------|----------------|------------------------|-----------------|-----------------------------------|----------------|--------------------|-----------------|-----------------------------------|----------------|-------------------|-----------------|-----------------------------------|
| 1 | James Gillis | 70 | 4,400 | 39 | Alexander McDonald | 150 | 1,000 | 77 | James Cook | 60 | 1,000 | 115 | François Alain | 80 | 2,500 |
| 2 | John Gillis | 60 | 3,250 | 40 | Alexandr Cook | 150 | 3,951 | 78 | Alexander Dickie | 50 | 2,000 | 116 | Fabien Fournier | 150 | 4,000 |
| 3 | John Gillis | 70 | 4,000 | 41 | M. P. Stewart | 100 | 2,171 | 79 | Archibald Hamilton | 100 | 1,000 | 117 | Facide Fournier | 180 | 4,000 |
| 4 | Mevin Adams | 120 | 15,207 | 42 | John Phillips | 100 | 3,000 | 80 | Alexander Dickie | 100 | 2,000 | 118 | Michel Fournier | 240 | 8,000 |
| 5 | James Gillis | 100 | 10,100 | 43 | Louis Arseneault | 100 | 1,142 | 81 | William McMillan | 170 | 2,000 | 119 | Joseph Degrace | 170 | 4,000 |
| 6 | Archibald Duncan | 70 | 2,182 | 44 | Cunard Barberie | 200 | 17,000 | 82 | David Dickie | 170 | 1,500 | 120 | Ambrose Degrace | 120 | 3,000 |
| 7 | Thomas Murray | 150 | 9,900 | 45 | Charles Stewart | 200 | 22,000 | 83 | James Shea | 160 | 1,000 | 121 | Elie Comeau | 120 | 3,000 |
| 8 | Do. | 150 | 9,900 | 46 | John Barberie | 200 | 9,000 | 84 | Peter Stewart | 160 | 1,100 | 122 | Astrie Fournier | 200 | 4,000 |
| 9 | Peter Adams | 90 | 4,116 | 47 | John Barberie | 200 | 9,000 | 85 | John Kelso | 140 | 1,000 | 123 | F. Comeau | 180 | 3,800 |
| 10 | Alexander Duff | 90 | 4,015 | 48 | Isidore Alain | 200 | 6,229 | 86 | David Dickie | 170 | 2,058 | 124 | F. Fournier | 200 | 6,000 |
| 11 | James Adams | 90 | 4,588 | 49 | Hon. W. Hamilton | 200 | 6,291 | 87 | Peter Hamilton | 180 | 1,000 | 125 | Olivier Vigneau | 120 | 3,000 |
| 12 | John Gerrard | 150 | 9,930 | 50 | Charles Alain | 200 | 8,656 | 88 | Archibald McNair | 180 | 4,000 | 126 | Denis Aubry | 180 | 5,000 |
| 13 | Adam Fraut | 180 | 10,500 | 51 | Andrew Wallace | 200 | 10,500 | 89 | Daniel Ward | 200 | 4,000 | 127 | Jacques Boudreau | 400 | 12,000 |
| 14 | Robert Christopher | 800 | 11,000 | 52 | A. W. & P. Hamilton | 200 | 8,000 | 90 | William Barclay | 180 | 2,000 | 128 | Thomas Boudreau | 600 | 18,000 |
| 15 | Robert Duncan | 200 | 5,100 | 53 | Do. | 200 | 81,000 | 91 | James McMillan | 180 | 3,000 | 129 | Do. | 200 | 3,000 |
| 16 | Robert Gerrard | 100 | 4,950 | 54 | Do. | 200 | 2,000 | 92 | Patrick Doyle | 180 | 15,000 | 130 | Marcel Boudreau | 200 | 6,000 |
| 17 | A. & R. Ferguson | 300 | 800 | 55 | Robert Comacher | 200 | 4,134 | 93 | Patrick Devereaux | 120 | 3,000 | 131 | Henri Boudreau | 200 | 6,000 |
| 18 | Do. | 300 | 800 | 56 | Henry McWhennie | 200 | 4,135 | 94 | William Miller | 150 | 3,769 | 132 | Augustin Haché | 300 | 8,000 |
| 19 | Do. | 300 | 800 | 57 | Robert Craig | 200 | 3,511 | 95 | Dennis McDonald | 160 | 2,000 | 133 | Joseph L. Haché | 280 | 7,500 |
| 20 | William Fraut | 160 | 2,727 | 58 | William Saver | 200 | 3,000 | 96 | John Lawlor | 160 | 1,500 | 134 | Bazile Doucette | 150 | 3,500 |
| 21 | Alexander Chamberlain | 150 | 2,000 | 59 | Thomas Poirier | 200 | 3,998 | 97 | Donald McCormick | 160 | 2,000 | 135 | F. Comeau | 200 | 6,000 |
| 22 | James Christopher | 160 | 1,500 | 60 | John Hogan | 200 | 5,500 | 98 | Thomas Hodgins | 65 | 1,500 | 136 | Robert Armstrong | 900 | 18,000 |
| 23 | John Mair | 800 | 11,000 | 61 | Joseph Poirier | 200 | 3,000 | 99 | Lawrence Doucette | 80 | 3,000 | 137 | Do. | 175 | 2,000 |
| 24 | Henry Duncan | 300 | 800 | 62 | James Craig | 200 | 2,544 | 100 | Hugh Galbraith | 70 | 3,000 | 138 | Do. | 175 | 2,000 |
| 25 | George Duncan | 160 | 5,500 | 63 | Fred. Poirier | 200 | 3,436 | 101 | James Hendry | 100 | 4,000 | 139 | Nazaire Haché | 300 | 6,000 |
| 26 | Ebenezer Jarred | 200 | 6,200 | 64 | Frank Gerrard | 200 | 3,100 | 102 | George Landry | 100 | 3,000 | 140 | Fabien Haché | 140 | 2,400 |
| 27 | James Gerrard | 800 | 15,000 | 65 | Prosper Gerrard | 200 | 3,000 | 103 | James Arseneault | 100 | 3,000 | 141 | A. Buttmer | 150 | 4,500 |
| 28 | John Jarline | 800 | 2,500 | 66 | John Gerrard | 200 | 3,000 | 104 | James Devereaux | 100 | 2,700 | 142 | Thomas L. Smith | 150 | 4,000 |
| 29 | Robert Parker | 300 | 7,500 | 67 | Donald McMillan | 200 | 1,137 | 105 | Xavier W. Doucette | 100 | 3,800 | 143 | Frederick Donalds | 150 | 4,000 |
| 30 | James S. Duncan | 800 | 3,500 | 68 | Alexander McIntyre | 200 | 3,290 | 106 | Marcel Doucette | 100 | 3,800 | 144 | James Norton | 120 | 2,400 |
| 31 | Alexander Duncan | 800 | 4,000 | 69 | John Galbraith | 200 | 1,800 | 107 | Romeo Boudreau | 175 | 4,000 | 145 | Richard Smith | 170 | 2,500 |
| 32 | Thomas McNeish | 150 | 5,000 | 70 | John McNichol | 200 | 4,724 | 108 | Do. | 100 | 3,000 | 146 | Edward Ellis | 200 | 6,000 |
| 33 | John Robison | 150 | 2,000 | 71 | William Calderwood | 200 | 4,000 | 109 | Aimé Doucette | 100 | 3,500 | 147 | Robert M. Her | 270 | 10,600 |
| 34 | David Duncan | 150 | 7,000 | 72 | Donald McMillan | 180 | 4,000 | 110 | Jérôme Comeau | 148 | 148 | Do. | 148 | 148 | |
| 35 | Thomas McNeish | 150 | 13,000 | 73 | Do. | 160 | 4,000 | 111 | Do. | 180 | 4,000 | 149 | Edward White | 220 | 5,600 |
| 36 | Edmund Menzies | 150 | 7,911 | 74 | Donald McMillan, R. S. | 200 | 1,309 | 112 | Francis Fournier | 400 | 5,900 | 150 | Do. | 240 | 6,400 |
| 37 | John Blair | 150 | 5,760 | 75 | John McMillan | 180 | 1,500 | 113 | Do. | 150 | 2,000 | 151 | Henry Buttmer | 240 | 6,400 |
| 38 | R. Charters | 150 | 400 | 76 | John Murchie | 130 | 1,000 | 114 | Joseph Fournier | 80 | 2,500 | 152 | William Ellis | 50 | 1,000 |

P R O V I N C E OF N E W - B R U N S W I C K



MAP OF PART OF BAY DES CHALEURS

SH EW I N G
The Salmon Fishing Stations occupied during the season of 1878, in the Counties of Cloucester, Restigouche and Bonaventure, together with the number of fathoms of nets used and the quantity of Salmon caught.

SCALE OF MILES

APPENDIX No. 1
TO THE
REPORT OF THE COMMISSIONER OF FISHERIES.

REPORTS
OF
FISHERY OFFICERS
OF THE
DOMINION OF CANADA,
1878.

Printed by Order of Parliament.



OTTAWA :

PRINTED BY MACLEAN ROGER & CO., WELLINGTON STREET.

1879.

INDEX

TO THE

REPORTS OF FISHERY OFFICERS

IN THE

DOMINION OF CANADA.

FOR THE YEAR 1878.

| | PAGE. |
|---|---------|
| APPENDIX No. 1—Schedule of Fishery Officers in the Dominion of Canada. | 1-19 |
| “ No. 2—Statement of Expenditure on account of Fisheries, for the fiscal year ending 30th June, 1878.. | 20-46 |
| “ No. 3—Report of N. LAVOIE, Esq., Fishery Officer, in charge of the Government steamer employed in the protection of the Fisheries in the Gulf and Lower St. Lawrence, with Statistics of Fisheries..... | 47-141 |
| “ No. 4—Detailed Statistics of Fisheries on the South Shore, from Quebec to Cape Chatte..... | 142-146 |
| “ No. 5—Detailed Statistics of Fisheries on the North Shore of the River St. Lawrence, from Quebec to Bersimis..... | 147-150 |
| “ No. 6—Statistics of Fisheries above Quebec..... | 151-152 |
| “ No. 7—General Recapitulation of the Yield and Value of the Fisheries in the Province of Quebec..... | 153 |
| “ No. 8—Synopsis of Fishery Overseers' Reports in the Province of Quebec..... | 154-171 |
| “ No. 9—Statistics of Salmon Angling in the Rivers of Quebec and New Brunswick..... | 172 |
| “ No. 10—Report of W. H. Wylde, Esq., Inspector of Fisheries for the Province of Nova Scotia..... | 173-175 |
| “ No. 11—Report of W. H. Rogers, Fishery Officer, on the Fishways and Fisheries of Nova Scotia..... | 176-181 |
| “ No. 12—Statistics of Fisheries in Nova Scotia..... | 182-233 |
| “ No. 13—Synopsis of Fishery Overseer's Reports in the Province of Nova Scotia..... | 234-248 |

| | |
|--|---------|
| APPENDIX No. 14—Report of W. H. Venning, Esq., Inspector of Fisheries for New Brunswick..... | 249-267 |
| “ No. 15—Statistics of Fisheries in New Brunswick..... | 268-280 |
| “ No. 16—Synopsis of Fishery Overseers’ Reports in Prince Edward Island | 281-291 |
| “ No. 17—Report of Alex. C. Anderson, Esq., Inspector of Fisheries for the Province of British Columbia..... .. | 292-303 |
| “ No. 18—Detailed Statistics of Fisheries in Ontario..... | 304-322 |
| “ No. 19—Synopsis of Fishery Overseers’ Reports in the Province of Ontario..... | 323-336 |
| REPORTS ON FISH BREEDING..... | 341-379 |

APPENDIX No. 1.

SCHEDULE of Fishery Officers in the Provinces of Ontario, Quebec, Nova Scotia, New Brunswick, Prince Edward Island, British Columbia, and Manitoba, appointed under the Fisheries Act (1868), with District, Post Office Address, Salary, &c., &c., distinguishing those who, being Fishery Overseers, are instructed to act *ex officio* as Magistrates, from those who act in the capacity of Fishery Wardens, and do not exercise magisterial powers.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|--------------------|-----------|----------------|--|----------|
| | | | | \$ cts. |
| Samuel Wilmot..... | | Newcastle..... | Superintendent fish-breeding establishments in the Dominion. | 2,000 00 |

PROVINCE OF ONTARIO.

| | | | | |
|----------------------|--|--------------------|------------|----------|
| Henry Hunt..... | Larue's Island..... | Rockport..... | Warden... | 20 00 |
| John Wallace..... | Lindoe Island..... | Lansdowne..... | do ... | 50 00 |
| J. D. McMillan..... | Lake St. Francis, from Cornwall to Côteau du Lac, on the north side, and from St. Régis to Valleyfield, on the south side, including Lake St. Francis and Salmon and La-Guerre Rivers..... | Dundee, P.Q..... | Overseer.. | 50 00 |
| John Mooney..... | Brockville to Cornwall..... | Prescott..... | do ... | 200 00 |
| Peter Kiel..... | Wolfe and Amherst Islands, and waters around down to Brockville, and inland waters, County of Frontenac..... | Wolfe Island..... | do ... | 200 00 |
| David Conger..... | Carrying Place to Point Peter..... | Wellington..... | do ... | 100 00 |
| Peter Huff, jun..... | West Point to Point Peter..... | Pictou..... | do ... | 50 00 |
| Eli Ketchum..... | Point Peter to Petticoat Point..... | Cherry Valley..... | do ... | 50 00 |
| Abraham Welbanks | Point Traverse to Black River Bluff, Prince Edward Bay, including Timber Island..... | South Bay..... | do ... | 75 00 |
| Wesley Hicks..... | Petticoat Point to Point Traverse and all islands within such limits excepting Timber Island..... | do | do ... | 75 00 |
| Wm. Plews..... | Black River to Bongard's Wharf..... | Prinyer..... | do ... | 100 00 |
| Charles Gilchrist.. | Rice Lake and part of Lake Ontario, fronting on the County of Northumberland | Port Hope..... | do ... | 400 00 |
| Jos. L. Thompson. | Cole's Ferry to Prescott..... | Brockville..... | Warden... | 50 00 |
| | Carried forward | | | 1,420 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF ONTARIO.—Continued.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|---------------------|---|-----------------------------|---------------------|---------------------|
| | Brought forward..... | | | \$ cts. 1,420 00 |
| Hugh Thompson.... | Westerly limit, County South Leeds to Cole's Ferry, and Islands opposite in St. Lawrence River, including Howe Island..... | Gananoque..... | Overseer.. | 50 00 |
| David Hamilton.... | Charleston Lake, Gananoque Lake and River..... | Charleston Lake,, P.O..... | Warden.... | 50 00 |
| A. J. Harrington.. | Lake Scugog, including Lindsay or Scugog River to its mouth..... | Port Perry..... | Overseer.. | 50 00 |
| John McAllister.... | do do..... | Cæsarea..... | Warden.... | 50 00 |
| Alfred Knight..... | Lake shore and island waters, Counties of Lennox and Addington..... | Petworth..... | Overseer.. | 200 00 |
| Charles Wilkins ... | Waters of the Bay of Quinte fronting on County of Hastings, and from Carrying Place eastward to Mill Point in the Co. of Prince Edward..... | Belleville..... | do ... | 200 00 |
| John W. Kerr..... | Whitby Harbor to Moulton Bay..... | Hamilton..... | do ... | 500 00 |
| James G. Wilcox.... | River Credit, from mouth of river up to Norval..... | Port Credit..... | do ... | 50 00 |
| Chas. L. Bingham.. | That part of the Counties of Norfolk and Haldmand fronting on Lake Erie and extending from the division line between the Counties of Elgin and Norfolk to the division line between the Townships of Radham and South Cayuga..... | Rowan Mills..... | do ... | 250 00 |
| Alex. McBride..... | That part of Lake Erie fronting on the County of Elgin..... | Port Burwell..... | do ... | 50 00 |
| John McMichael.... | Lake Erie frontage, County of Kent..... | Rond Eau..... | do ... | 50 00 |
| Andrew Hughson... | River Credit, from Orangeville to Norval, together with the Townships of Mono, East Garapaxa, Albion, Amaranth, Luther and Caledon to Church's Mills Cataract..... | Orangeville..... | do ... | 50 00 |
| Peter McCann.... | From London to Thamesville on the Thames River..... | London..... | do ... | 200 00 |
| E. Boismier..... | Baptiste Creek on Lake St. Clair, to Point Pelée..... | Sandwich..... | do ... | 200 00 |
| James Cummins ... | Point Pelée Island..... | Kingsville..... | Warden.... | 50 00 |
| David McMaster ... | Baby's Point, on River St. Clair, to Kettle Point, on Lake Huron..... | Sarnia..... | Overseer.. | 200 00 |
| A. C. McKinnon.... | Kettle Point to Point Clarke, Lake Huron..... | Goderich..... | do ... | 100 00 |
| James Muir..... | Point Clarke to Cape Hurd, including adjacent islands..... | Port Elgin..... | do ... | 100 00 |
| Geo. S. Miller..... | Owen Sound to Cape Hurd..... | Owen Sound..... | do ... | 100 00 |
| James Patton..... | Collingwood to Point Rich..... | Collingwood..... | do ... | 250 00 |
| Samuel Fraser.... | Point Cockburn to Moose Point..... | Midland..... | do ... | 100 00 |
| Farquhar McRae... | Sydenham River and Lake St. Clair, from Baptiste Creek to Baby's Point..... | Wallaceburg..... | do ... | 150 00 |
| Geo. B. Abrey.... | Manitoulin Islands and adjacent islands in Lake Huron..... | Little Current..... | do ... | 100 00 |
| Wm. McGown..... | From Moose Deer Point to Byng Inlet, Georgian Bay..... | Parry Sound..... | Warden.... | 50 00 |
| Jos. Wilson..... | Thessalon River to head of Lake Superior..... | Sault Ste. Marie..... | Overseer.. | 100 00 |
| James Dickson.... | Lake Superior, extending from Slate Island to mouth of Pigeon River..... | Prince Arthur's Land'g..... | do ... | 100 00 |
| | Carried forward..... | | | 4,770 00 |

SCHEDULE O Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF ONTARIO.—Continued.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|---------------------|---|---------------------|---------------------------|---------------------|
| | Brought forward | | | \$ cts. 4,770 00 |
| Alex. McKenzie.... | Lake Simcoe and tributaries..... | Barrie | Overseer .. | 50 00 |
| Wm. Hastings.... | Lake Simcoe from Cook's Bay to Beaverton | Roach's Point..... | do | 50 00 |
| George Cochrane.. | Inland Waters, Co. Peterboro', in- cluding Pigeon, Deer, Salmon- Trout, Stony, Sturgeon and Che- mong Lakes | Lakefield..... | do | 250 00 |
| Daniel Bowen..... | Upper Division or East Riding, Co. Peterboro', comprising waters of Gull and Burat Rivers and tribu- taries, together with Drag, Eagle, Moose, Redstone, Crooked and other lakes within such limits..... | Haliburton | do | 100 00 |
| James McFadden.... | Mississippi River and Lake..... | Carleton Place..... | do | 30 00 |
| Geo. Lyon..... | Madawaska River and Lake des Chats | Arnprior..... | do | 50 00 |
| Andrew Teifer..... | Bonnechère River and Lakes, Co. Renfrew | Sand Point | do | 50 00 |
| James Sutherland.. | Inland waters, N.R. County Victoria, north of Sturgeon Lake and above Fenelon Falls | Woodville..... | do | 100 00 |
| John McGregor ... | Rideau Lakes | Westport | Warden.... | 75 00 |
| Henry Lawe..... | Grand River from mouth of Caledonia and that part of Lake Erie extend- ing from South Cayuga to Moulton Bay | Dunnville..... | Overseer.. | 100 00 |
| Robert Watt..... | Grand River and its tributaries from Brantford upwards | Brantford..... | do | 100 00 |
| Wm. E. Foot..... | Lakes Muskoka, Rosseau, Joseph, Lake of Bays and the Maganetawan River | Bracebridge | do | 125 00 |
| Wellington Hull... | The Rivers Credit and Speed, with their tributaries, in the townships of Eramosa, Erin, Caledon and Esquessing | Erin..... | do | 50 00 |
| John Morrow..... | Upper waters of the River Madawaska and tributaries in the County of Renfrew | Dacre, P.O..... | do | 25 00 |
| M. L. Russell | Upper waters of the River Bonne- chère, and tributaries in the County of Renfrew | Renfrew | do | 25 00 |
| W. D. Pollock..... | Twelve and Sixteen Mile Creeks in the County of Halton | Bronté..... | Warden .. | 30 00 |
| John A. Cameron.. | Inland waters of the Townships of Bedford, Oso, Oldea, Palmerston, Clarendon and Miller in the County of Addington..... | Westport | Overseer.. | 50 00 |
| Hugh McFayden... | Head waters of Saugeen River, and tributaries | Durham..... | do | 40 00 |
| Timothy McQueen. | That part of the River Thames ex- tending from its mouth to Lewis- ville | Chatham..... | do | 50 00 |
| Angus Brady | That part of the River Thames ex- tending from Lewisville to Cash- mere | Cashmere..... | do | 40 00 |
| Thomas Cartier.... | River Thames | Tilbury West..... | Guardian.. | 20 00 |
| | Total..... | | | 6,180 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF QUEBEC.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|----------------------|---|---|---|----------|
| | | | | \$ cts. |
| Napoleon Lavoie... | Lower St. Lawrence River and Gulf. | Gaspé Basin (in summer), L'Islet (in winter)..... | Officer in charge of Gov. st'm'er for protection of Fisheries.. | 1,400 00 |
| | | | Overseer.. | |
| Clovis Caron..... | Point Lévis to River Ouelle | L'Islet..... | | 200 00 |
| Jules Gauvreau..... | River Ouelle to Point à la Loupe, Green Island | Isle Verte..... | do ... | 100 00 |
| H. Martin..... | Point à la Loupe, Green Island, to Rimouski River (same included)..... | Rimouski..... | do ... | 100 00 |
| L. E. Grondin | Rimouski to River Blanche | do | do ... | 100 00 |
| Vital Charest..... | River Blanche to Cape Chatte..... | Matane..... | do ... | 100 00 |
| George Gagnon..... | Inland waters, County Témiscouata..... | St. Epiphane..... | Warden ... | 30 00 |
| Cyrille Dubé..... | Lake Témiscouata and neighboring waters, County Témiscouata..... | Notre Dame du Lac..... | do ... | 30 00 |
| Alfred Blais..... | Lake Matapedia and River Matapedia to Causapsal..... | Causapsal | Overseer... | 100 00 |
| J. J. Letourneau... | Cape Chatte to River Ste. Anne des Monts..... | Ste. Anne des Monts... | do ... | 100 00 |
| P. Vibert, jun..... | York, Dartmouth and St. John Rivers, Gaspé Basin to Point Maquereau..... | Gaspé Basin..... | do ... | 200 00 |
| John Phelan..... | Point Maquereau to Paspebiac Point..... | Port Daniel..... | do ... | 50 00 |
| R. W. H. Dimock..... | Paspebiac Point to Maguasha Point..... | New Richmond..... | do ... | 200 00 |
| John Mowat..... | That part of the County of Bonaventure extending from Maguasha Point upwards, and including the Rivers Matapedia and Restigouche and their tributaries..... | Dee Side, Matapedia... | do ... | 300 00 |
| Daniel Rosa..... | Lakes Beauport, St. Charles and adjacent Lakes..... | Quebec..... | Warden ... | 50 00 |
| L. P. Huot..... | Lakes Philippe, Gagné and adjacent Lakes, and the inland of Orleans..... | St. Roch, Quebec ... | Overseer... | 100 00 |
| J. E. Demeule..... | River du Gouffre to Canard River, including inland Lakes adjacent to Murray Bay and St. Paul's Bay | Murray Bay..... | do ... | 50 00 |
| Etienne Tremblay. | } Lakes in rear of Murray Bay and Bay St. Paul..... | Bay St. Paul..... | Warden ... | 30 00 |
| Jos. Simard..... | | St. Agnés..... | do ... | 40 00 |
| Antoine Filion..... | | Bay St. Paul..... | do ... | 30 00 |
| T. E. Saucier..... | Waters in Counties of Chicoutimi and Saguenay..... | Chicoutimi..... | Overseer... | 150 00 |
| Job Bilodeau..... | Lake St. John and tributaries, Upper Saguenay..... | Metabechouan | Warden ... | 50 00 |
| Joseph Boily..... | Escoumains to Bersimis | Mille Vaches | do ... | 50 00 |
| G. L. Duguay..... | North Shore, from Manicouagan to Point des Monts, including Beccsie, Mistassini and Godbout Rivers..... | Godbout..... | do ... | 150 00 |
| J. O. Belanger..... | North Shore River St. Lawrence, from Point des Monts to Baie des Rochers, including Trinity and Pentecost Rivers..... | Montmagny | do ... | 150 00 |
| G. Mathurin..... | Moisie District, from Point Jambon to Point St. Charles, including Moisie River..... | Natashquan..... | Overseer... | 150 00 |
| D. B. McGie..... | Esquimaux Point to Sheldrake River.. | Port Daniel..... | do ... | 100 00 |
| | Carried forward | | | 4,110 00 |

SCHEDULE of Fishery Officers in the severa Provinces, etc. -Continued.

PROVINCE OF QUEBEC.—Continued.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|----------------------|---|-----------------------------------|---------------------|---------------------|
| | Brought forward..... | | | \$ cts. 4,110 00 |
| P. C. Gobeil..... | Watsheeshoo District, from Atepetal Bay West to Little Watsheeshoo River East | Natashquan..... | Warden ... | 150 00 |
| J. B. Couillard..... | Western Division Natashquan, including River Agwanus, Nabissippi and Natashquan | Natashquan..... | Overseer .. | 150 00 |
| J. Legouvé..... | St. Augustine Division, from Cape Whittle to Checatca | Pacachoo..... | Warden ... | 100 00 |
| W. H. Whitely..... | Bonne Espérance Division, from Checatca to Blanc Sablon..... | Bonne Espérance..... | do ... | 100 00 |
| J. J. Fox..... | Magdalen Islands | Amherst..... | Overseer .. | 50 00 |
| W. C. Willis..... | Waters in District of St. Francis..... | Sherbrooke..... | do ... | 150 00 |
| H. W. Austin..... | Richelieu River and tributaries from Sorel to St. John..... | Chambly | do ... | 200 00 |
| S. F. Copp..... | Lake Memphremagog, in the Counties of Stanstead and Brome | Georgeville..... | do ... | 100 00 |
| J. B. Chevalier..... | Richelieu River, from St. John to Lake Champlain..... | Iberville | do ... | 100 00 |
| Pierre Latraverse.. | That part of the River St. Lawrence bordering on the Counties of Richelieu, Yamaska and Berthier, in the Province of Quebec, including Sorel and adjoining Islands..... | Sorel..... | Warden ... | 100 00 |
| P. E. Luke..... | Missisquoi Bay in Lake Champlain and Pike River..... | Phillipsburg..... | Overseer.. | 50 00 |
| Wm. Clyde..... | Chateauguay River and tributaries.... | Huntingdon | do ... | 50 00 |
| Andrew Watt | River Chateauguay, from mouth to village | Chateauguay Basin | do ... | 50 00 |
| Alexander Beaton.. | The inland waters in rear of the County of Argenteuil..... | Lost River, P.O., Harrington..... | do ... | 30 00 |
| L. J. Loranger..... | The inland waters of the County of Terrebonne | St. Sauveur..... | do ... | 100 00 |
| Thomas Evans..... | Inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seignior of Mille Isle and Township of Morin, in the County of Terrebonne | Lakefield..... | do ... | 30 00 |
| Duncan Dewar..... | Inland waters, Seignior of Argenteuil, in the Townships of Chatham and Grenville, in the County of Argenteuil | St. Andrews | do ... | 30 00 |
| J. B. Gerin Lajoie.. | Inland waters and Lakes in the Counties of St. Maurice and Champlain.. | Ste. Flore | do ... | 40 00 |
| Olivier Lafêche.... | That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge | River du Loup(en haut) | do ... | 40 00 |
| Wm. McLeod | Washeecoutai Division, comprising the Rivers Kegaskea, Musquarro, Washaecoutai, and Romaine or Olomonosheeboc..... | Port Daniel..... | do ... | 100 00 |
| Evariste Charette | Lake of Two Mountains, together with that part of River des Prairies fronting on the County of Jacques Cartier..... | Ste. Geneviève..... | do ... | 50 00 |
| | Total..... | | | 5,880 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|--------------------|--|---|-------------------------------------|----------|
| | | | | \$ cts- |
| W. H. Wyld..... | Nova Scotia..... | Port Mulgrave..... | Inspector of Fisher- ies..... | 1,400 00 |
| W. H. Rogers..... | do..... | Amherst..... | Fishery Officer..... | 800 00 |
| | <i>Annapolis County.</i> | | | |
| W. T. Carty..... | Annapolis County..... | Annapolis..... | Overseer.. | 120 00 |
| Miner Clark..... | Laurencetown Bridge to Clarke's Ferry..... | Bridgetown..... | Warden... | 25 00 |
| James B. Dobson... | Laurencetown Bridge to County Line, including Nictaux River..... | Laurencetown..... | do ... | 25 00 |
| Charles Bartaux... | Nictaux River..... | Wilmot..... | do ... | 25 00 |
| J. H. Pineo..... | Lovett's Brook..... | Round Hill..... | do ... | 25 00 |
| Thomas Devers..... | Annapolis and Languille Rivers..... | Annapolis..... | do ... | 25 00 |
| A. F. Morton..... | Annapolis River..... | Wilmot..... | do ... | 25 00 |
| J. H. Parker..... | Nictaux River..... | Nictaux..... | do ... | 25 00 |
| | <i>Antigonish County.</i> | | | |
| A. W. McDonald... | Antigonish County..... | Antigonish..... | Overseer.. | 125 00 |
| Angus McDonald... | From mouth of Harbour to foot of Marsh thence up Tracadie stream to lake, from Marsh up to Monastery Brook, including French Settle- ment Brook and Tarbitts..... | Tracadie..... | Warden... | 25 00 |
| J. R. Aymer..... | From mouth of Harbor to Forks, from thence on the Pomquet River to V. Chisholm's Mills, and from Forks on the Black River to Falls..... | Pomquet Forks, Anti- gonish..... | do ... | 25 00 |
| Albert Randall... | From shore to lake..... | Bayfield, W.O..... | do ... | 15 00 |
| Colin Chisholm... | From Antigonish Harbor to McWil- liams or St. Andrew's Bridge..... | Lower South River, Antigonish..... | do ... | 25 00 |
| Lochlin Cameron. | From McWilliam's Bridge to Frazer's Bridge, including Big Brook..... | Upper South River, Antigonish..... | do ... | 30 00 |
| John Cumming..... | From Frazer's Bridge to County line at head of lake..... | Upper South River, Antigonish..... | do ... | 20 00 |
| John Dexter..... | From Antigonish Harbor (foot of marsh), to Trotter's Mill Brook, thence up said Brook to Trotter's Mill, including both branches of West River and Bailey's Brook..... | Antigonish..... | do ... | 30 00 |
| Donald Chisholm. | From Trotter's Mill Brook to W. Thompson's dam..... | Salt Springs, Antigo- nish..... | do ... | 25 00 |
| Alex. Macadam... | From Thompson's Dam to Addington Forks' Bridge..... | West River, Addington Forks, Antigonish..... | do ... | 25 00 |
| Hugh Cameron..... | From Forks' Bridge to Pinkeytown Bridge, including Jones River and Beaver River..... | Addington, W.O..... | do ... | 25 00 |
| Duncan Fraser..... | From Pinkeytown Bridge to Stewart's Mill..... | Ohio..... | do ... | 20 00 |
| | Carried forward..... | | | 2 885 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.—Continued.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|--------------------------------------|--|-----------------------------------|---------------------------|---------------------|
| | Brought forward..... | | | \$ cts. 2,885 00 |
| <i>Antigonish County.—Continued.</i> | | | | |
| James Chisholm.... | From Campbell's Rock, on Pomquet River to V. Chisholm's Mill on the Eastern Branch, and to Alexander McDonald's Mill on the Western Branch | St. Andrews..... | Warden! | 25 00 |
| James McDougald. | From John McDonald (Eun's) Cove, north side of Cape George, to Crebbing Head, St. George's Bay | McNair's Cove, Cape George | do ... | 25 00 |
| <i>Cape Breton County.</i> | | | | |
| Francis Quinan.... | From Low Point to South Head of Cow Bay, and north side of Mira Bay, including Salmon River and Sydney River | Sydney..... | Overseer | 120 00 |
| Anthony Spencer. | Mira River, Black Brook..... | Mira Gut, W.O..... | Warden ... | 25 00 |
| Wm. Burke..... | Mira Bridge and Trout Brook | Burke's Bridge, Mira River | do ... | 25 00 |
| John McEachen.... | Salmon River | Grand Mira, Arichat... | do ... | 25 00 |
| Thos. Moore..... | Balls and Leitch's Creeks | North Sydney..... | do ... | 20 00 |
| Donald McDonald.. | Sydney River and Forks | Lingan | do ... | 20 00 |
| Alex. McLean..... | Mill Brook | Mill Brook..... | do ... | 20 00 |
| York Barrington... | North of East Bay to Head of Sydney River, including part of Boularderie Island..... | Sydney Mines | Overseer .. | 120 00 |
| Alex. McDonald... | South of East Bay to Salmon River... | East Bay..... | Warden .. | 120 00 |
| Allan McAdam.... | Eskasoni | Eskasoni | do ... | 25 00 |
| Angus Morrison.... | Marion Bridge, Mira..... | Marion Bridge, Mira... | do ... | 25 00 |
| Denis Murphy..... | Ponds, Sydney Mines..... | Ponds, Sydney Mines.. | do ... | 25 00 |
| D. McDonald..... | Salmon Holes, Sydney Forks..... | Sydney..... | do ... | 25 00 |
| M. McLeilan..... | Rory Brack's Brook | Rory Brack's Brook..... | do ... | 25 00 |
| P. Keefe..... | North-West Brook, Grand Lake and tributaries | Lingan | do ... | 25 00 |
| Donald M' Cormack | Leitch's Creek and George's River... | Leitch's Creek, W.O.. | do ... | 25 00 |
| John McNeil..... | Benacadie River emptying into Bras d'Or Lake | Benacadie, W.O. | do ... | 25 00 |
| <i>Colchester County.</i> | | | | |
| G. N. Christie..... | Salmon River | Truro..... | Warden ... | 25 00 |
| Samuel Frame..... | Shubenacadie River | Shubenacadie River.... | do ... | 25 00 |
| R. J. Pollock..... | Stewiacke River (lower portion)..... | Lower Stewiacke..... | Overseer .. | 75 00 |
| George Fulton..... | do (upper portion)..... | Stewiacke River, Brookfield | Warden ... | 25 00 |
| J. Bonyman..... | Northern Division, Co. Colchester, comprising Tatamagouche Bay, French and Waugh's Rivers. | New Annan | Overseer .. | 40 00 |
| J. W. Davison..... | Colchester County, West Division.... | Upper Economy..... | do ... | 100 00 |
| J. Urquhart..... | Waugh's River | Tatamagouche River.. | Warden ... | 50 00 |
| W. McElheney..... | De Bert River | Londonderry..... | do ... | 25 00 |
| Henry Urquhart.... | Folly River | do | do ... | 25 00 |
| T. Davidson, 2nd... | Portapique River | Portapique, W.O..... | do ... | 25 00 |
| George Moore..... | Economy River | Economy | do ... | 25 00 |
| Mat. G. Murray.... | Salmon River | Truro | do ... | 25 00 |
| William Wintou.... | Lower Stewiacke River..... | Lower Stewiacke..... | do ... | 25 00 |
| Alfred Wright..... | do do | do | do ... | 25 00 |
| | Carried forward | | | 4,145 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.—Continued.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|-------------------------|---|---|---------------------|---------------------|
| | Brought forward..... | | | \$ cts. 4,145 00 |
| | <i>Cumberland County.</i> | | | |
| Isaac J. Hingley... | Cumberland Co., Eastern Division, embracing all streams emptying into the Straits of Northumberland | Oxford..... | Overseer .. | 100 00 |
| Oliver Fillmore.... | River Philip Hanam's Falls, upwards | River Philip..... | Warden ... | 25 00 |
| John W. Moore..... | do do downwards | do | do ... | 25 00 |
| Jer. Brownell..... | Shinimicas River..... | Shinimicas, Goose River | do ... | 25 00 |
| Asa Fillmore..... | River Philip..... | River Philip..... | do ... | 25 00 |
| James King..... | Cumberland County, Western Division, including all streams flowing into the Bay of Fundy | Amherst..... | Overseer .. | 100 00 |
| David Corbett | Laplanche and Nappan Rivers..... | do | Warden ... | 25 00 |
| Moses Harrison | Maccan Rivers..... | Maccan, W O..... | do ... | 25 00 |
| C. Pugsley..... | River Hebert | River Hebert..... | do ... | 25 00 |
| Francis L. Jenks.... | Parrsboro' Head | Parrsboro' | do ... | 25 00 |
| Henry Fountain.... | Wallace River | Wallace..... | do ... | 30 00 |
| Elijah Fowler..... | Diligent, Ramshead and Fox Rivers, including fisheries from Partridge Island to Spencer Island..... | Diligent River, Parrsboro' | do ... | 30 00 |
| | <i>Digby County.</i> | | | |
| J. H. Morehouse | Digby County | Hillsburg | Overseer .. | 120 00 |
| Abraham L. Gavil | Joggins River | Digby | Warden ... | 25 00 |
| J. M. Devault..... | Salmon River..... | Salmon River, W.O..... | do ... | 25 00 |
| Lochlin McKay..... | St. Mary's Bay | St. Mary's Bay, W.O | do ... | 25 00 |
| Robert Journey..... | Sissaboo River | Weymouth | do ... | 25 00 |
| J. P. Thibodeau.... | Metaghan River and Comeau's Brook | Metaghan River..... | do ... | 25 00 |
| Holland E. Payson | Brier and Long Island..... | Brier Island..... | Overseer .. | 50 00 |
| Louis A. Mélançon | West Division Digby County, below Sissiboo River | Clare..... | do ... | 75 00 |
| | <i>Guysborough County.</i> | | | |
| James A. Tory..... | Guysborough County | Guysborough..... | Overseer .. | 150 00 |
| James Cook | Salmon River from mouth to Graham's West Line | Salmon River, W.O..... | Warden ... | 25 00 |
| James Cahill..... | From Graham's West Line to Foot of Neil's Lake, including North Branch and Lake | Salmon River, W.O..... | do ... | 20 00 |
| Charles Kenny..... | From foot of Neil's Lake to Beaver Dam Lake, inclusive, and all the lakes through which it passes..... | Salmon River, West Branch, Guysboro'..... | do ... | 15 00 |
| Donald Gunn..... | From mouth of Scott's Place to Country Harbor Lake, including Gunn's Brook, from Main River to Hurley's Lake..... | Cross Roads..... | do ... | 30 00 |
| William Pride | From mouth of St. Mary's River to Sinclair's Point, including stream from Wine Harbor to Lake | Sherbrooke, St. Mary's | do ... | 30 00 |
| Thomas McKeen | From Forks to County Line, including McQueen's Mill and Brook to Lake | Melrose | do ... | 30 00 |
| | Carried forward | | | 5,275 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.—Continued.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|----------------------|---|--|---------------------|---------------------|
| | Brought forward..... | | | \$ cts. 5,275 00 |
| | <i>Guysborough County.—Continued.</i> | | | |
| Edward Jordan..... | From Forks to Indian Man's Brook.... | Glenelg..... | Warden ... | 30 00 |
| Robert McKay..... | From head of tide to head of Intervale on the North Branch, and to Cameron's Mill on the Valley Branch..... | Guysborough, Intervale, W.O..... | do ... | 15 00 |
| James R. Bruce..... | From mouth of Clam Harbor River to Upper Falls..... | Guysborough..... | do ... | 10 00 |
| James Nickerson..... | From Beach to Falls, including North West Brook..... | New Harbor, W.O..... | do ... | 15 00 |
| Allan McQuarrie... | St. Mary's River..... | St. Mary's River, Sherbrooke | do ... | 40 00 |
| John McDaniel... | District of St. Mary's..... | Sherbrooke | Overseer .. | 100 00 |
| Adam Kirk | St. Mary's River extending from Alex. Ross' (above still waters) to Hugh Halters' on the West River.... | Glenelg | Warden ... | 30 00 |
| Alex. Ross | St. Mary's River | Stillwater | do ... | 25 00 |
| D. McC. Sinclair... | From Sinclair's Mill to Headwater.... | Goshen..... | do ... | 20 00 |
| Luke Harpell..... | From mouth to head of Indian River | Indian River, St. Mary's District..... | do ... | 15 00 |
| D. Cameron, sen... | West River St. Mary's from Wallace Bridge to head of River..... | Upper Caledonia | do ... | 20 00 |
| Frederick Mattie... | Tracadie River in Counties of Guysboro' and Antigonish..... | Tracadie, County of Antigonish..... | do ... | 15 00 |
| | <i>Halifax County.</i> | | | |
| William Anderson | Halifax County, East Division, Dartmouth to Ecum Secum | Musquodoboit Harbor.. | Overseer .. | 150 00 |
| James Blakely..... | From Ship Harbor to Chezzetcook, inclusive..... | Ship Harbor..... | Warden ... | 30 00 |
| William Hall..... | Sheet Harbor | Sheet Harbor..... | do ... | 40 00 |
| John Fitzgerald... | Halifax Harbor to Margaret Bay, Portuguese Cove | Portuguese Cove. | Overseer .. | 150 00 |
| Archibald Kidston | From Peggy's Cove to Terrance Bay, Nine Mile and Prospect Rivers | Spryfield | Warden ... | 40 00 |
| Nathaniel Mason... | From Hubert's to Peggy's Cove, Margaret Bay, Ingraham and Indian Rivers | Margaret Bay, Peggy's Cove, W.O | do ... | 40 00 |
| Daniel Mosher..... | Cow Bay Run | Cow Bay, Dartmouth... | do ... | 20 00 |
| Donald McClean... | Chezzeetcook River..... | Chezzeetcook River.... | do ... | 30 00 |
| Henry Balcam..... | Salmon River | Salmon River | do ... | 30 00 |
| John McCurdy..... | Middle Musquodoboit..... | Middle Musquodoboit... | do ... | 30 00 |
| James Miller..... | Tangier River..... | Tangier River..... | do ... | 30 00 |
| Neil McLean..... | Pennant River | Hubbard's Cove..... | do ... | 40 00 |
| Jas. Gardner..... | Musquodoboit Harbor | Musquodoboit Harbor.. | do ... | 30 00 |
| John Taylor..... | Little Musquodoboit River..... | Little Musquodoboit River..... | do ... | 30 00 |
| Geo. Parker..... | Upper Musquodoboit..... | Upper Musquodoboit River | do ... | 30 00 |
| Daniel Cameron... | Moser's River and Ecum Secum and Smith's Brook..... | Moser's River..... | do ... | 30 00 |
| Geo. Keizer..... | Lake Porter and streams..... | Lake Porter..... | do ... | 30 00 |
| | Carried forward | | | 6,390 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF NOVA SCOTIA.—*Continued.*

| Name. | District | Address. | Overseer or Warden. | Salary. |
|-----------------------------------|--|---|---------------------|----------------------|
| | Brought forward..... | | | \$ cts- 6,390 00' |
| <i>Halifax County.—Continued.</i> | | | | |
| Wm. Geo. Walker. | Little Salmon River..... | Little Salmon River, Preston Road..... | Warden... | 20 00' |
| James Crook..... | Big Salmon River or Lawrencetown River..... | Lawrencetown..... | do ... | 25 00' |
| F. G. Tolson..... | Sackville River..... | Sackville River..... | do ... | 47 00' |
| <i>Hants County.</i> | | | | |
| P. S. Burnham..... | Hants County, Western Division, from Western County Line to Walton..... | Windsor..... | Overseer... | 100 00' |
| John B. Colter..... | Shubenacadie River..... | Milford..... | do ... | 30 00' |
| James Mosher..... | Rivers Meander and Hebert, from mouth to source..... | Brooklyn..... | Warden... | 30 00' |
| T. B. O'Brien..... | East Division, from Walton to Col- chester Line..... | Maitland..... | Overseer... | 100 00' |
| Joseph Mosher..... | Kennetcook River, from mouth to head of tide..... | Newport..... | Warden... | 50 00' |
| James M. O'Brien..... | Walton and Kennetcook Rivers..... | Maitland..... | do ... | 30 00' |
| <i>Inverness County.</i> | | | | |
| Hugh Gillis..... | Inverness County, East Division..... | Forks Margaree..... | Overseer... | 100 00' |
| Murdoch A. Ross... | do do..... | N.E. Margaree..... | do ... | 160 00' |
| Peter Coady..... | From mouth of Margaree River to South-west Chapel..... | S.W. Margaree, W.O.... | do ... | 25 00' |
| Neil McKay..... | Upper Waters and tributaries, Mar- garee River..... | S.W. Margaree River... | Warden... | 25 00' |
| John Cameron..... | Inverness County, Western Division.. | River Inhabitants..... | Overseer... | 100 00' |
| John Meagher..... | Mabou River..... | Mabou..... | Warden... | 25 00' |
| Michael McDonald | River Dennis..... | River Dennis, W.O.... | do ... | 25 00' |
| Donald McDonald. | River Inhabitants..... | River Inhabitants, W.O | do ... | 25 00' |
| A. McLellan..... | do..... | Broad Cove..... | do ... | 25 00' |
| Hugh Cameron..... | do..... | S.W. Mabou..... | do ... | 25 00' |
| James McGarry..... | Ainslie Lake..... | Margaree..... | do ... | 25 00' |
| Kenneth McKenzie | Crowdis Bridge to head of river..... | Big Intervale. Mar- garee, W.O..... | do ... | 25 00' |
| Malcolm McLeod.. | do do..... | N.E. Margaree..... | do ... | 25 00' |
| Mark Crowdis..... | From Crowdis Bridge to Forks, North- east Margaree River..... | Big Intervale..... | do ... | 25 00' |
| George Ingraham.. | do do..... | N.E. Margaree..... | do ... | 25 00' |
| John Carroll..... | From Margaree Harbor to South-west Chapel..... | S.W. Margaree..... | do ... | 25 00' |
| Donald McDonald. | Whycocomagh Bay..... | Whycocomagh..... | do ... | 25 00' |
| Malcolm McKay..... | Trout River..... | Lake Ainslie..... | do ... | 20 00' |
| <i>King's County.</i> | | | | |
| Adolphus Bishop.. | King's County..... | Kentville..... | Overseer... | 125 00' |
| John E. Starr..... | do..... | Port William..... | do ... | 250 00' |
| W. McIntyre..... | Annapolis River..... | Kentville..... | Warden... | 30 00' |
| Irish Benjamin..... | Gaspereaux..... | Gaspereaux..... | do ... | 20 00' |
| John Buchanan..... | do..... | do..... | do ... | 20 00' |
| Elias Bishop..... | do..... | do..... | do ... | 20 00' |
| | Carried forward..... | | | 7,950 00' |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.—Continued.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|-----------------------|---|--|---------------------|---------------------|
| | Brought forward | | | \$ cts. 7,950 00 |
| | <i>Lunenburg County.</i> | | | |
| Geo. Redden..... | Lunenburg County, East Division Middle, Gold, Martins and Musha- nush Rivers..... | Chester..... | Overseer.. | 100 00 |
| Geo. Moland..... | Eastern River..... | do | Warden.... | 25 00 |
| Jas. Corkum..... | Middle River..... | do Basin..... | do | 25 00 |
| Wm. Mosher..... | Lower Gold River..... | do | do | 25 00 |
| John Hutt..... | Middle Gold River..... | Beech Hill, Chester..... | do | 25 00 |
| Edward Boylan..... | Gold River, Upper..... | New Ross..... | do | 25 00 |
| Jas. Langille..... | Martin's River..... | Chester..... | do | 25 00 |
| Hy. S. Jost..... | Lunenburg County, West Division..... | Lunenburg..... | Overseer.. | 100 00 |
| Chas. Pernette..... | From mouth of Lahave River to Wilkie's Cove..... | do | Warden.... | 25 00 |
| John Artz..... | Wilkie's Cove to Henry Koch's..... | Bridgewater..... | do | 25 00 |
| Jas. Mossman..... | From Henry Koch's to Knock's..... | Lunenburg..... | do | 25 00 |
| Edward Morgan..... | Knock's to source of Lahave River..... | Lahave River, New Germany, W.O..... | do | 25 00 |
| John Andrews..... | Mushamush River..... | Mahone Bay..... | do | 25 00 |
| Geo. A. Nesbitt..... | Petite River, mouth to Wallace Brook..... | Petite River..... | do | 25 00 |
| Eli Hebb..... | Petite River, from Wallace Brook to source..... | Hebb's Cross, West Conquerall..... | do | 25 00 |
| William Croft..... | East Gold River, from Bongald's Point to Gold River Branch, thence to Clark's Clinton's and Henry's Lakes..... | Chester Basin..... | do | 25 00 |
| | <i>Pictou County.</i> | | | |
| John McDonald..... | Pictou County, East Division, in- cluding Sutherland's French and Barney's Rivers, Bailey's Brook and Shore Fishery from Pictou Harbor Eastward to County Line..... | Ponds, W.O..... | Overseer.. | 170 00 |
| J. McKay..... | Barney's River..... | Barney's River, W.O..... | Warden.... | 25 00 |
| Donald Rankin..... | Sutherland River..... | New Glasgow..... | do | 25 00 |
| William Stewart..... | French River..... | French River..... | do | 25 00 |
| Dan. McLean..... | Bailey's Brook..... | Bailey's Brook, W.O..... | do | 39 00 |
| David Marshall..... | Pictou County, West Division, in- cluding Middle, East, West, Cariboo, Toney and John Rivers..... | New Glasgow..... | Overseer.. | 140 00 |
| John Turner..... | French River..... | French River..... | Warden.... | 25 00 |
| Wm. Smith..... | East River..... | East River..... | do | 25 00 |
| Robert Archibald..... | Middle River..... | Middle River..... | do | 25 00 |
| Wm. Evans..... | West River..... | West River..... | do | 25 00 |
| David Langille..... | River John..... | River John..... | do | 25 00 |
| George McKenzie..... | Cariboo River..... | Cariboo River..... | do | 25 00 |
| John McDonald..... | Barney's River, from McDonald's Bridge to Head..... | Barney's River, W.O..... | do | 25 00 |
| Delaney..... | East River, from Iron Bridge to Grant's Factory, from tide to Iron Bridge Coal Mine..... | Churchville..... | do | 25 00 |
| William Frazer..... | Grant's Factory to East Branch Lake..... | Bridgeville..... | do | 25 00 |
| Donald Frazer..... | Fork and West Branch Lake..... | Hopewell..... | do | 25 00 |
| Donald Miller..... | East River of St. Mary's..... | Garden of Eden..... | do | 20 00 |
| | Carried forward | | | 9,185 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.—Continued.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|--------------------------|---|--|---------------------------|-----------------|
| Brought forward..... | | | | \$ cts 9,185 |
| <i>Queen's County.</i> | | | | |
| Samuel T.N.Sellon | Queen's County..... | Liverpool..... | Overseer... | 190 00 |
| Stephen Clements | Fort Point to Salmon Rocks, Milton Bridge, on Liverpool River..... | do..... | Warden... | 25 00 |
| Theodosius Ford... | Milton Bridge up to Port Liverpool River..... | Milton..... | do... | 50 00 |
| Geo. Snadden..... | Salmon Rock to Puddingpan Island, around the Coast..... | Liverpool..... | do... | 20 00 |
| Henry Hooker..... | Puddingpan Island to Toby's Island, up Port Medway River to Dog Cove | Port Medway..... | do... | 30 00 |
| John Fitzgerald.... | From Steam Mills to Salter's Falls on Port Medway River..... | Mill Village..... | do... | 30 00 |
| Barnabas Miles..... | Salter's Falls to Pawn Hook on Port Medway River..... | Greenfield, W.O..... | do... | 20 00 |
| Stephen Smith..... | Pawn Hook to Brookfield..... | Liverpool..... | do... | 20 00 |
| Jonathan Smith.... | Fort Point to Western Head, Liver- pool Harbor..... | do..... | do... | 15 00 |
| James Farquhar.... | Western Head, Liverpool Harbor, to Broad River, Port Mouton and Port Joli..... | do..... | do... | 30 00 |
| Solomon Lonas.... | Port Medway River..... | Mill Village..... | do... | 30 00 |
| <i>Richmond County.</i> | | | | |
| Duncan Cameron.. | Eastern Division, from River Bour- geoise to East Boundary of County, including said river..... | St. Peters..... | Overseer... | 125 00 |
| John Murchison... | Grand River..... | Grand River, W.O..... | Warden... | 30 00 |
| Edward H. Ballam | Western Division, from River Bour- geoise to West Boundary of County | Arichat..... | Overseer... | 125 00 |
| P. W. Grouchy..... | Decousse River..... | do..... | Warden... | 30 00 |
| John Proctor, sen.. | Inhabitants River..... | Port Hawkesbury..... | do... | 20 00 |
| Abraham Sampson | Petit Degrat Inlet..... | Petit Degrat..... | do... | 30 00 |
| Justinian Sampson | L'Ardoise..... | L'Ardoise..... | do... | 30 00 |
| Charles Grant..... | River Inhabitants..... | River Inhabitants..... | do... | 20 00 |
| Alex. Smith..... | West Bay, Black River..... | West Bay..... | do... | 30 00 |
| Edward Madden... | Rear of River Bourgeoise..... | River Bourgeoise..... | do... | 30 00 |
| Geo. Donahoe..... | River Moulin..... | River Moulin, Gran- digue Ferry, W.O..... | do... | 30 00 |
| Patrick Kyte..... | River Tier..... | River Tier, St. Peters..... | do... | 25 00 |
| Felix Gerroir..... | Grand Ruisseau..... | Grand Ruisseau, Ari- chat..... | do... | 25 00 |
| William Kehoe.... | False Bay and Breen's Brook..... | River Bourgeoise, W.O. | do... | 25 00 |
| <i>Shelburne County.</i> | | | | |
| Samuel Muir..... | Shelburne County..... | Shelburne..... | Overseer... | 125 00 |
| William McKay.... | Clyde River..... | do..... | Warden... | 20 00 |
| M. Greenwood.... | Round Bay River and Indian Brook.. | Clyde River, W.O..... | do... | 20 00 |
| George Archer..... | Birchtown River..... | Shelburne..... | do... | 15 00 |
| Richard McGill.... | Roseway River..... | do..... | do... | 20 00 |
| James Turner..... | Jordan River..... | do..... | do... | 30 00 |
| Henry Ackerman.. | Green Harbor..... | Ragged Island, Locke's Island, W.O..... | do... | 20 00 |
| P. Crowell..... | Barrington River..... | Barrington..... | do... | 20 00 |
| Carried forward..... | | | | 10,490 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.—Concluded.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|-------------------------|---|--------------------------------------|---------------------|----------------------|
| Brought forward | | | | \$ cts. 10,490 00 |
| <i>Victoria County.</i> | | | | |
| J. W. Burke..... | Victoria County, North Division, from Smoky Head to Bay St. Lawrence... | Ingonish..... | Overseer... | 120 00 |
| Donald McRae, jun | do South Division | Baddeck | do ... | 120 00 |
| John McLellan..... | Middle River..... | Middle River, W.O., Baddeck | Warden ... | 25 00 |
| John McDonald | Middle River, Upper Settlement..... | Baddeck | do ... | 25 00 |
| Donald McQuarrie. | do | do | do ... | 25 00 |
| Donald McMillan... | Baddeck River..... | do | do ... | 25 00 |
| Donald McAuley... | do | do | do ... | 25 00 |
| Hector McKenzie.. | North River | North River, W.O..... | do ... | 25 00 |
| Donald McRae..... | Baddeck River and tributaries | Baddeck..... | do ... | 25 00 |
| Francis Arnold..... | do North Branch | do | do ... | 25 00 |
| Angus McDonald .. | Washabuck River..... | Washabuck River..... | do ... | 30 00 |
| Kenneth Campbell | Indian Brook | Middle River..... | do ... | 30 00 |
| Rodrick Beaton... | Hume's River..... | McNaughton's, W.O.... | do ... | 30 00 |
| William Foyle..... | Peter's Brook..... | Baddeck River..... | do ... | 30 00 |
| John McCharles ... | Upper Settlement. | Middle River..... | do ... | 30 00 |
| Donald Bochaman. | Barachois River..... | Barachois River..... | do ... | 30 00 |
| Malcom McIvor.... | Indian Brook | Indian Brook | do ... | 30 00 |
| Jos. Guinn | North River | North River | do ... | 30 00 |
| Geo. Burton..... | Salmon River, Bay St. Lawrence | Bay St Lawrence, W.O | do ... | 30 00 |
| Jos. Hellen..... | Cape North | Cape North..... | do ... | 30 00 |
| <i>Yarmouth County.</i> | | | | |
| Enos Gardner..... | Yarmouth County | Tusket | Overseer... | 150 00 |
| J. A. Hatfield..... | From Reynard's Falls to Lower Narrows, Tusket River..... | do | Warden ... | 50 00 |
| William Kavanagh | Gurrill's Bridge to Coldstream..... | do | do ... | 25 00 |
| William Prosser.... | Branches of River above Reynard's Falls | do | do ... | 25 00 |
| Eustace Nickerson | Salmon River..... | Yarmouth..... | do ... | 25 00 |
| Edward Perry | Little River | do | do ... | 25 00 |
| Jerome Doucet | Tusket River | Tusket | do ... | 30 00 |
| Vital Muise | Tusket Forks | Tusket Forks..... | do ... | 25 00 |
| Joseph M. White... | Eel Lake | Eel Lake..... | do ... | 25 00 |
| Wm. Thurston, sen | Cheggoggin River | Cheggoggin River..... | do ... | 25 00 |
| J. Ingraham Brand | Pubnico and Argyle..... | W. Pubnico..... | do ... | 25 00 |
| Total | | | | 11,660 00 |

PROVINCE OF NEW BRUNSWICK.

| | | | | |
|-----------------------|------------------------|--------------------|---------------------|----------|
| W. H. Venning..... | New Brunswick..... | St. John, N.B..... | Inspector Fisheries | 1,400 00 |
| C. R. Venning..... | ..... | do | Clerk. | 400 00 |
| <i>Albert County.</i> | | | | |
| Winthrop Akerly.. | County of Albert..... | Harvey..... | Overseer .. | 100 00 |
| Wallace Taylor.... | Petitcodiac River..... | Coverdale..... | Warden ... | 40 00 |
| Carried forward | | | | 1,940 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF NEW BRUNSWICK.—*Continued.*

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|----------------------------------|--|-----------------------------------|---------------------------|--------------------|
| Brought forward..... | | | | S cts. 1,940 00 |
| <i>Albert County, Continued.</i> | | | | |
| C. Mc atchey..... | Mouth of Petitcodiac River and Dorchester Bay..... | Hillsboro'..... | Warden... | 40 00 |
| Jacob Beck..... | Pollet River..... | Elgin..... | do | 30 00 |
| J. E. Kinne..... | Germantown Lake and Shepody River..... | Hopewell Corner..... | do | 40 00 |
| Bartlet Oliver..... | Rocher Bay..... | Waterside..... | do | 40 00 |
| <i>Carleton County.</i> | | | | |
| Hugh Miller..... | Miramichi River (S.W.) from Head Waters to Forks..... | Glassville..... | Overseer... | 30 00 |
| George Burt..... | St. John River..... | Upper Woodstock..... | Warden... | 30 00 |
| J. W. Scott..... | St. John River, from Eel River to Woodstock..... | Canterbury..... | do | 30 00 |
| William Thompson..... | The Upper Waters of the South West Miramichi, in the Parish of Aberdeen | East Glassville, Smith's W O..... | do | 30 00 |
| <i>Charlotte County.</i> | | | | |
| B. L. Cunningham..... | Inner Bay of Passamaquoddy..... | Chamcook, W.O..... | Overseer... | 70 00 |
| James Brown..... | Campo Bello and West Isles, with coast and streams in Charlotte Co. | Campo Bello..... | do | 100 00 |
| Frank Todd..... | St. Croix River and tributaries..... | St. Stephen..... | do | 120 00 |
| W. B. McLaughlin..... | Grand Manan Island and spawning grounds..... | Grand Manan..... | do | *240 00 |
| Samuel Dick..... | St. George to Beaver Harbour..... | La Tête, W.O..... | Warden... | 30 00 |
| Robert Dixon..... | Seeley's Cove to Lepreaux..... | Lepreaux..... | do | 30 00 |
| Leonard Best..... | East District, from La Tête to Lepreaux..... | Beaver Harbour, W.O..... | Overseer... | 100 00 |
| J. M. Lord..... | Deer Island..... | Deer Island..... | do | 70 00 |
| James Russell..... | From St. Andrews to mouth of St. Croix River..... | St. Andrews..... | Warden... | 30 00 |
| Andrew Gilmour..... | Northern Head, Grand Manan..... | Grand Manan..... | do | 30 00 |
| Edward Carroll..... | Whitehead Island..... | do | do | 30 00 |
| John Thomson..... | West side, Deer Island..... | Deer Island..... | do | 30 00 |
| <i>Gloucester County.</i> | | | | |
| James Hickson..... | River Nepisiguit and tributaries, with sea coast and streams from Belledune River to Grindstone Point..... | Bathurst..... | Overseer... | 250 00 |
| William Bateman..... | Nepisiguit River..... | do | Warden... | 50 00 |
| Juste Haché..... | Oyster Beds in County, Caraquet and Shippegan..... | Caraquet..... | Overseer... | 100 00 |
| Justinien Savoy..... | Tracadie..... | Tracadie, W.O..... | Warden... | 30 00 |
| John L. Venot..... | Pokemouche..... | Pokemouche..... | do | 30 00 |
| Frederic Comeau..... | Petit Rocher, from Belledune to Mill Stream..... | Elm Tree, Madisco..... | do | 40 00 |
| Miles Dempsey..... | Salmon Beach, from Bass River to Grindstone Point..... | Salmon Beach..... | do | 30 00 |
| m. Coughlan..... | Grindstone Point to Grande Anse..... | Grande Anse..... | do | 30 00 |
| Carried forward..... | | | | 3,650 00 |

* Includes boat hire.

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF NEW BRUNSWICK.—*Continued.*

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|--------------------------------------|--|---|---------------------------|---------------------|
| | Brought forward... | | | \$ cts. 3,650 00 |
| <i>Gloucester County.—Continued.</i> | | | | |
| Adolphe Haché.... | Shippegan..... | Shippegan..... | Warden... | 30 00 |
| W. Rogers..... | Tête-à-gauche River..... | Tête-à-gauche, Bathurst | do ... | 25 00 |
| John Calnan, jun.. | That part of River Tête-à-gauche from a mile above the Mill Dam to the source of said River..... | Kinsale..... | do ... | 25 00 |
| Alexis Landry, jun | Pokemouche River..... | Pokemouche..... | Overseer... | 50 00 |
| Christ. Lanteigne.. | Carraquet Herring Banks..... | Carraquet..... | do ... | 30 00 |
| <i>Kent County.</i> | | | | |
| Charles Cormier... | Cocagne River..... | Cocagne..... | Overseer... | 100 00 |
| J. McD. Sutherland | Richibucto River..... | Richibucto..... | do ... | 75 00 |
| F. B. Légaré..... | Little Buctouche River..... | Little Buctouche River | Warden... | 30 00 |
| M. A. Girouard..... | Big do do..... | Buctouche..... | do ... | 30 00 |
| James Harnett.... | From the mouth of Nicholas River on the Richibucto upwards, including Nicholas River..... | Weldford..... | do ... | 30 00 |
| Lazare Guimoo.... | From Kouchibouquacis to Chockfish River..... | Kouchibouquacis..... | do ... | 75 00 |
| Nicholas Muzzeroll | From Kouchibouquacis River to Point Sapin..... | do..... | do ... | 50 00 |
| <i>Kings County.</i> | | | | |
| Samuel Gosline.... | From mouth of Smith's Creek up- wards..... | Smith's Creek, W.O..... | Overseer... | 100 00 |
| Samuel F. Ryan.... | Mill Stream..... | Stadholm, Apohaqui... | Warden... | 30 00 |
| N. H. DeVeber.... | St. John River and Belle Isle Bay and streams running thereto..... | Westfield..... | Overseer... | 50 00 |
| Samuel Gamblin... | Washademoak Lake and its tributaries in Kings and Queens Counties..... | English Settlement, Pearson's W.O..... | Warden... | 30 00 |
| <i>Northumberland County.</i> | | | | |
| Prudent Robichaux | Burnt Church River and tributaries, and Upper Tabasintac..... | Upper Neguac..... | Overseer... | 100 00 |
| John Stymast..... | Lower Tabasintac River..... | Stymast Road, Neguac | Warden... | 50 00 |
| William Blake.... | Tabasintac River, tributaries and Bay | Tabasintac..... | Overseer... | 50 00 |
| Amos Perley..... | Miramichi River and Bay, east of Beaubair's Island, in the Parishes of Glenelg and Chatham..... | Chatham..... | do ... | 100 00 |
| William Cushman.. | Miramichi River and tributaries from Beaubair's Island to Blackville..... | Upper Nelson..... | do ... | 160 00 |
| N. B. T. Underhill. | From Lower line of Blackville to Blissfield..... | Blackville..... | Overseer... | 160 00 |
| John Hogan..... | Miramichi River (N.W.) and tribu- taries from Chatham Ferry upwards | Newcastle..... | do ... | 400 00 |
| Aaron Hovey..... | Miramichi River (S.W.) and tribu- taries from Nelson's to Head of Hovey Island..... | Boiestown..... | Warden... | 30 00 |
| George Bryanton... | From Elm Tree Brook to Squire Under- hill's, on the S.W. Miramichi River | Derby, W.O..... | do ... | 30 00 |
| Kenneth Cameron. | Miramichi River (S.W.) from line of Blissfield to the head waters and tributaries..... | Boiestown..... | Overseer... | 100 00 |
| | Carried forward... | | | 5,590 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NEW BRUNSWICK.—Continued.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|-------------------------|---|---|---------------------|---------------------|
| | Brought forward..... | | | \$ cts. 5,590 00 |
| | <i>Northumberland County.—Continued.</i> | | | |
| Patrick Bergin..... | From Underhill's to Stephen Mitchell's, on S.W. Miramichi..... | Dumphey, W.O., Parish of Blackville, S.W. Miramichi | Warden... | 30 00' |
| Thomas Smith..... | From lower end of Fingley's Island, on N.W. Miramichi, upwards, and the Big Sevogle..... | North Esk, Red Bank, W.O..... | do ... | 30 00' |
| J. A. Somers..... | From lower side of Ox Bow, on the Little South West, upwards..... | do do ... | Overseer.. | 30 00' |
| Patrick Gillis..... | Little S.W. River and tributaries..... | do do ... | Warden... | 30 00' |
| Denis Hogan..... | Renous River and tributaries..... | Renous Bridge, W.O.... | do ... | 30 00' |
| Michael Donovan..... | Renous River..... | Renous Bridge..... | do ... | 18 00' |
| Thomas McKenzie..... | From Dunbar's Point on N.W. Miramichi to lower end of Fingley's Island; on Little South West to lower side of Ox Bow ... | Red Bank, North Esk.. | do ... | 30 00' |
| Henry Oldfield.... | Big Sevogle to Square Forks..... | do do ... | do ... | 30 00' |
| FindlayMcDiarmid..... | Napan and Black Rivers and tributaries..... | Nappan, W.O., Chatham..... | do ... | 30 00' |
| John Williston..... | Bay du Vin River and Bay, with Parish of Hardwick, Fox and other Islands and Stations on South side of Main Channel Miramichi River.. | Bay du Vin, W.O..... | Overseer.. | 100 00' |
| James Russell..... | Miramichi Bay and Feeders..... | Lower Newcastle | do ... | 150 00' |
| Thomas Taylor..... | South West Miramichi, within Parish of Blissfield..... | Blissfield..... | Warden ... | 50 00' |
| Samuel Freeze..... | From Doaktown to Hovey Islands, in the Parish of Blissfield, on the South West Miramichi River.. | Doaktown, Miramichi.. | Overseer.. | 100 00' |
| John Holmes..... | From lower side Ox Bow, on Little South West Miramichi, upwards..... | Ox Bow, Miramichi..... | do ... | 50 00' |
| Nat. Morehouse..... | Arbo Settlement, Parish of Blackville, South West Miramichi..... | Arbo Settlement... .. | Warden ... | 30 00' |
| J. T. Coughlan..... | Coughlan Settlement, Parish of Blackville, South West Miramichi..... | Coughlan Settlement... .. | do ... | 30 00' |
| John Doyle..... | Tabusintac and Bartibog Rivers..... | Bartibog..... | do ... | 30 00' |
| Peter Russell..... | Whitney Settlement, N.W. Miramichi | Whitney Settlement.... | do ... | 30 00' |
| | <i>Queen's County.</i> | | | |
| Isaiah Langan..... | Salmon River..... | Chipman, W.O., Gasperaux..... | Warden ... | 30 00' |
| John Secord..... | Canaan River..... | Longs' Creek, Johnston | do ... | 30 00' |
| I. T. Hetherington..... | From Cole's Island, to foot of Washademoak Lake..... | Jenkins, W.O. Johnston | Overseer... | 100 00' |
| Robert Phillips..... | Headwaters, Washademoak Lake..... | do | Warden... | 25 00' |
| W. H. Clark..... | Narrows do | Cambridge..... | do ... | 25 00' |
| John J. Camp..... | Jemseg River and Grand Lake..... | do | do ... | 30 00' |
| Robert McMann..... | Newcastle River and Grand Lake..... | Canning..... | do ... | 25 00' |
| C. Estabrook..... | Between Maguapit and Grand Lakes. | Maguapit Lake... .. | do ... | 30 00' |
| Solomon Thorne..... | New Canaan River | New Canaan..... | do ... | 30 00' |
| Richard P. Yeoman..... | New Castle River..... | Newcastle River | do ... | 30 00' |
| Hiram Starkey..... | Salmon River..... | Salmon River, Chipman, P.O..... | do ... | 30 00' |
| | Carried forward..... | | | 6,803 00 |

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

PROVINCE OF NEW BRUNSWICK.—Concluded.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|---------------------|--|-------------------------------------|---------------------|---------------------|
| | Brought forward..... | | | \$ cts. 6,803 00 |
| | <i>Restigouche County.</i> | | | |
| E. Ferguson..... | Little Dune River to Morris Rock | Dalhousie..... | Overseer.. | 100 00 |
| A. McPherson, jun | Charlo River..... | Charlo, W.O..... | Warden ... | 25 00 |
| J. McMillan..... | Jacquet River..... | River Louison, W.O..... | do ... | 25 00 |
| Dugald Carmichael | do from month to Kettle Hole | do | do ... | 25 00 |
| John Mowat..... | That part of Bay des Chaleurs fronting on the County of Restigouche and extending from Belledune Point upwards to Campbellton; together with the Rivers Restigouche, Upsalquitch, Eel, Charlot, Jacquet and their tributaries..... | Dee e, P.Q..... | Overseer... | No salary. |
| | <i>Sunbury County.</i> | | | |
| G. W. Hoben..... | St. John River, Indiantown, to County line of York | Burton, W.O..... | Overseer.. | 100 00 |
| | <i>St. John County.</i> | | | |
| Joseph O'Brien..... | St. John County..... | Carleton, St. John..... | Overseer.. | 150 00 |
| Wm. E. Skillen..... | Eastern part of St. John County, from Quaco Head to Goose River .. | St. Martins..... | do ... | 100 00 |
| | <i>Victoria County.</i> | | | |
| C. McClusky..... | County of Victoria..... | Grand Falls..... | Overseer.. | 100 00 |
| Chas. Roberts..... | Lower Division, Tobique River..... | Andover..... | Warden... | 30 00 |
| Jno. McDougall.... | Three Brooks, branch of Tobique River | Rocky Brook, Parish of Lorne..... | do ... | 30 00 |
| G. Bedell..... | Salmon River..... | Andover..... | do ... | 30 00 |
| Donald Fraser..... | Tobique River..... | Arthurette, W.O..... | do ... | 30 00 |
| Thos. Edgar..... | Middle Division, Tobique River..... | Three Rivers..... | do ... | 30 00 |
| Edward Maloney... | Upper Division do | Tobique River, Parish of Lorne..... | do ... | 30 00 |
| | <i>Westmoreland County.</i> | | | |
| W. B. Deacon..... | Shediac Harbour and River..... | Shediac..... | Overseer.. | 100 00 |
| D. T. Cormier..... | Dorchester Bay..... | Gautreau Village..... | do ... | 60 00 |
| Hugh Davidson.... | Bay Verte, Port Elgin and Tidnish Rivers | Bay Verte | do ... | 100 00 |
| | <i>York County.</i> | | | |
| J. Campbell..... | Grand Pass on St. John River upwards from Crock's Point to Lower Line of York County, including Nashwaak River..... | Kingsclear, W.O., Fredericton..... | Warden ... | 60 00 |
| own..... | St. John River, from Upper Line of York County to Crock's Point, on River St. John | Southampton..... | do ... | 60 00 |
| ir..... | From Price's Bend to Barnt Hill, S.W. Miramichi | Bloomfield..... | do ... | 30 00 |
| | Total..... | | | 8,018 00 |

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*

PROVINCE OF PRINCE EDWARD ISLAND.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|--------------------------|------------------------------------|-------------------------|---------------------------|----------|
| <i>Queen's County.</i> | | | | |
| Isaac Thompson... | Queen's County | Charlottetown | Overseer .. | 150 00 |
| Ewen Clark | Dunk River | Dunk River | Warden ... | 30 00 |
| Michael Ready | Winter River | Winter River | do ... | 30 00 |
| James Clow | do | do | do ... | 30 00 |
| Lionel Garnam | do | do | do ... | 30 00 |
| Wm. Whitehead | South West River. | South West River. | do ... | 30 00 |
| Thomas Murphy | Trout River | Trout River | do ... | 30 00 |
| Roderick Morrison | Pinette and Flat Rivers | Pinette River | do ... | 30 00 |
| Alex. McRae | West River | West River | do ... | 30 00 |
| David Rattray | Huntley and Wheatley Rivers | Huntley River | do ... | 30 00 |
| John McMillan | Vernon River | Vernon River | do ... | 30 00 |
| <i>Prince County.</i> | | | | |
| John Clark | Prince County | Alberton, P.O. | Overseer .. | 150 00 |
| Laurence Phee | Nail Pond and Skinner's Pond. | Nail Pond | Warden ... | 30 00 |
| James T. Reid | Minimigash | Minimigash | do ... | 30 00 |
| James Ramsay | Lot 13, Trout River | Lot 13 | do ... | 30 00 |
| Hugh McIntosh | Lot 14, do | Lot 14 | do ... | 30 00 |
| Peter H. Perry | Tignish, Lots 1 and 2 | Tignish | do ... | 30 00 |
| Abraham Wall | Dunk River, Lot 25 | Lot 25 | do ... | 30 00 |
| Patrick McBride | do do | do | do ... | 30 00 |
| Wm. Burus | do do | do | do ... | 30 00 |
| Nat. McArthur | Lot 12, or the Narrows | Lot 12 | do ... | 30 00 |
| <i>King's County.</i> | | | | |
| Martin MacInnis | King's County | St. Peter's Bay | Overseer .. | 150 00 |
| John Crane | Morell River | Morell River | Warden ... | 30 00 |
| James MacLunis | do | do | do ... | 30 00 |
| John Mactiure | do | do | do ... | 30 00 |
| James MacAulay | Midgell River | Midgell River | do ... | 30 00 |
| Patrick MacInnis | North Lake | North Lake | do ... | 30 00 |
| Wm. R. Dingwell | Bay Fortune River | Bay Fortune River | d ... | 30 00 |
| John Briens | Naufrage River | Naufrage River | do ... | 30 00 |
| Thomas Clay | Grand River | Grand River | do ... | 30 00 |
| Duncan D. Campbell | Montague River | Montague | do ... | 30 00 |
| Francis Cook | Murray Harbor | Murray Harbour | do ... | 30 00 |
| Andrew Whelan | Souris River | Souris River | do ... | 25 00 |
| John Fisher | Head Waters, Morell River | Peak's Road | do ... | 25 00 |
| Total | | | | 1,375 00 |

PROVINCE OF BRITISH COLUMBIA.

| | | | | |
|-------------------|------------------------|--------------------------|---------------------------|--------|
| Alex. C. Anderson | British Columbia | Rosebank, Victoria | Inspector Fisheries .. | 600 00 |
|-------------------|------------------------|--------------------------|---------------------------|--------|

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*

PROVINCE OF MANITOBA.

| Name. | District. | Address. | Overseer or Warden. | Salary. |
|-------------------|----------------|--------------------------|---------------------------|---------|
| Donald Gunn | Manitoba | Little Britain, Winnipeg | Overseer .. | 200 00 |

RECAPITULATION.

| | |
|--|------------------|
| Samuel Wilmot, Superintendent Fish-Breeding Establishments in the Dominion | 2,000 00 |
| Ontario | 6,180 00 |
| Quebec | 5,880 00 |
| Nova Scotia | 11,660 00 |
| New Brunswick | 8,018 00 |
| Prince Edward Island | 1,375 00 |
| British Columbia | 600 00 |
| Manitoba | 200 00 |
| Total | 35,913 00 |

JAMES C. POPE,
Minister of Marine and Fisheries.

(Certified.)

W. F. WHITCHER,
Commissioner of Fisheries.

APPENDIX No. 2.

STATEMENT of Expenditure on account of Fisheries, for the Fiscal Year ended 30th June, 1878.

| To whom paid. | Service. | Amount. | Total. |
|-----------------------|--|----------|---------|
| ONTARIO. | | | |
| | | \$ cts. | \$ cts. |
| J. W. Kerr..... | For 12 months' salary as Fishery Overseer, to 30th June, 1878..... | 500 00 | |
| Chas. Gilchrist..... | do do..... | 400 00 | |
| James Patton..... | do do..... | 250 00 | |
| A. Knight..... | do do..... | 250 00 | |
| Peter Kiel..... | do do..... | 200 00 | |
| E. Boismier..... | do do..... | 200 00 | |
| D. McMaster..... | do do..... | 200 00 | |
| Charles Wilkins..... | do do..... | 200 00 | |
| George Cochran..... | do do..... | 200 00 | |
| C. G. Bingham..... | do do..... | 200 00 | |
| J. Mooney..... | do do..... | 200 00 | |
| P. McCann..... | do do..... | 175 00 | |
| F. McRae..... | do do..... | 150 00 | |
| W. E. Foot..... | do do..... | 125 00 | |
| A. C. McKinnon..... | do do..... | 100 00 | |
| J. Wilson..... | do do..... | 100 00 | |
| Wm. Plews..... | do do..... | 100 00 | |
| Geo. S. Miller..... | do do..... | 100 00 | |
| G. B. Abrey..... | do do..... | 100 00 | |
| James Sutherland..... | do do..... | 100 00 | |
| David Conger..... | do do..... | 100 00 | |
| James Muir..... | do do..... | 100 00 | |
| Henry Lawe..... | do do..... | 100 00 | |
| Samuel Fraser..... | do do..... | 100 00 | |
| James Dickson..... | do do..... | 100 00 | |
| Daniel Bowen..... | do do..... | 100 00 | |
| Robert Watt..... | do do..... | 100 00 | |
| John McGregor..... | do do..... | 75 00 | |
| J. Wallace..... | do do..... | 50 00 | |
| J. D. McMillan..... | do do..... | 50 00 | |
| P. Huff..... | do do..... | 50 00 | |
| W. A. Palen..... | do do..... | 50 00 | |
| J. L. Thompson..... | do do..... | 50 00 | |
| Hugh Thompson..... | do do..... | 50 00 | |
| David Hamilton..... | do do..... | 50 00 | |
| A. J. Harrington..... | do do..... | 50 00 | |
| J. McAllister..... | do do..... | 50 00 | |
| J. G. Wilcox..... | do do..... | 50 00 | |
| Alex. McBride..... | do do..... | 50 00 | |
| J. McMichael..... | do do..... | 50 00 | |
| A. Hughson..... | do do..... | 50 00 | |
| Alex. McKenzie..... | do do..... | 50 00 | |
| John Lyon..... | do do..... | 50 00 | |
| A. Telfer..... | do do..... | 50 00 | |
| Carried forward | | 5,425 00 | |

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

| To whom paid. | Service. | Amount. | Total. |
|-----------------------|--|-------------|-----------|
| | Brought forward | \$ 5,425 00 | cts. |
| | ONTARIO.—Continued. | | |
| James Cummins | For 12 months' salary as Fishery Overseer, to 30th June, 1878..... | 50 00 | |
| Wm. McGown..... | do do | 50 00 | |
| W. Hull..... | do do | 37 50 | |
| James McFadden..... | do do | 30 00 | |
| Wm. Prosser..... | do do | 30 00 | |
| Henry Hunt..... | do do | 20 00 | |
| W. R. Young..... | 9 do do | 37 50 | |
| J. G. Hicks..... | 6 do do | 50 00 | |
| Alex. Proulx..... | do do | 25 00 | |
| Wm. Hastings..... | 5 do do | 20 80 | |
| J. Morrow..... | 3 do do | 6 25 | |
| M. L. Russell..... | do do | 6 25 | |
| A. Wellbanks..... | 2 do do | 12 50 | |
| W. Hicks..... | do do | 12 50 | |
| J. A. Cameron..... | do do | 8 33 | |
| H. McFayden..... | do do | 6 66 | |
| W. O. Pollock..... | do do | 5 00 | |
| James S. Webster..... | Salary as special Fishery Constable | 368 00 | |
| Wm. Besserer..... | do do | 10 00 | |
| P. Morin..... | do do | 48 00 | |
| A. Eschembank..... | do do | 20 00 | |
| Thomas Cartier..... | Salary as special Guardian, Thames River..... | 40 00 | |
| T. McQueen..... | do do do | 27 06 | |
| A. Brady..... | do do do | 26 23 | |
| Wm. Fahey..... | do do Lake Constant..... | 51 00 | |
| J. W. Kerr..... | 12 months' disbursements as Fishery Overseer to 30th June, 1878..... | 870 20 | |
| Chas. Gilchrist..... | do do | 864 45 | |
| J. Wilson..... | do do | 377 00 | |
| J. Wilkins..... | do do | 346 00 | |
| C. L. Bingham..... | do do | 333 00 | |
| James Patton..... | do do | 323 19 | |
| S. Frazer..... | do do | 313 90 | |
| J. Mooney..... | do do | 278 20 | |
| G. Cochrane..... | do do | 186 85 | |
| J. Sutherland..... | do do | 128 89 | |
| A. C. McKinnon..... | do do | 128 25 | |
| A. J. Harrington..... | do do | 115 35 | |
| W. E. Foot..... | do do | 106 33 | |
| Peter McCann..... | do do | 106 27 | |
| Peter Kiel..... | do do | 104 00 | |
| E. Boismier..... | do do | 97 85 | |
| F. McRae..... | do do | 90 77 | |
| A. McKenzie..... | do do | 79 98 | |
| D. Hamilton..... | do do | 69 82 | |
| G. B. Abrey..... | do do | 63 50 | |
| G. S. Miller..... | do do | 54 25 | |
| Jas. Muir..... | do do | 45 75 | |
| A. Knight..... | do do | 45 55 | |
| Jas. Dickson..... | do do | 44 00 | |
| A. Telfer..... | do do | 38 40 | |
| John McGregor..... | do do | 38 00 | |
| Robt. Watt..... | do do | 36 65 | |
| J. McAllister..... | do do | 27 00 | |
| John Wallace..... | do do | 25 25 | |
| J. L. Thompson..... | do do | 23 10 | |
| | Carried forward | 11,785 33 | |

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

| To whom paid. | Service. | Amount. | Total. |
|-----------------------------|---|-----------|-----------|
| | | \$ cts. | \$ cts. |
| | Brought forward..... | 11,785 33 | |
| ONTARIO.—Continued. | | | |
| W. R. Young..... | For 12 months' disbursements as Fishery Overseer, to 30th June, 1878..... | 21 77 | |
| Wm. Plews..... | do do..... | 20 00 | |
| H. Griffiths..... | do do..... | 19 05 | |
| Jas. McFadden..... | do do..... | 16 00 | |
| J. Lyon..... | do do..... | 15 00 | |
| J. G. Hicks..... | do do..... | 14 65 | |
| D. Bowen..... | do do..... | 13 50 | |
| H. Lawe..... | do do..... | 11 00 | |
| Peter Huff..... | do do..... | 8 00 | |
| H. Hunt..... | do do..... | 8 00 | |
| James S. Webster..... | Disbursements as Special Fishery Constable, to 30th June, 1878..... | 144 20 | |
| John Grimes..... | do do..... | 189 28 | |
| W. C. Besserer..... | do do..... | 85 60 | |
| J. Connor..... | do do..... | 75 70 | |
| C. Barbeau..... | do do..... | 110 00 | |
| A. Daltaire..... | do do..... | 25 00 | |
| J. Hughes..... | do do..... | 20 00 | |
| F. J. O'Neil..... | do do..... | 14 00 | |
| Wm. Fahey..... | Disbursements as Special Fishery Guardian to 30th June, 1878..... | 27 00 | |
| Thomas Cartier..... | do do..... | 20 30 | |
| T. McQueen..... | do do..... | 15 00 | |
| J. C. Darke..... | Repairs to boat..... | 14 00 | |
| Department of Interior..... | Rent of Bluff Island..... | 61 50 | |
| | | | 12,723 88 |
| QUEBEC. | | | |
| John Mowat..... | For 12 months' salary as Fishery Overseer, to 30th June, 1878..... | 300 00 | |
| C. Caron..... | do do..... | 200 00 | |
| H. W. Austin..... | do do..... | 200 00 | |
| R. W. H. Dimock..... | do do..... | 200 00 | |
| P. Vibert..... | do do..... | 200 00 | |
| W. C. Willis..... | do do..... | 150 00 | |
| G. L. Duguay..... | do do..... | 150 00 | |
| J. O. Belanger..... | do do..... | 150 00 | |
| P. C. Gobeil..... | do do..... | 150 09 | |
| G. Mathurin..... | do do..... | 150 00 | |
| J. B. Couillard..... | do do..... | 150 00 | |
| J. F. Saillant..... | do do..... | 150 00 | |
| J. Gauvreau..... | do do..... | 100 00 | |
| V. Charest..... | do do..... | 100 00 | |
| A. Blais..... | do do..... | 100 00 | |
| J. J. Letourneau..... | do do..... | 100 00 | |
| L. P. Hout..... | do do..... | 100 00 | |
| J. Legouve..... | do do..... | 100 00 | |
| D. B. McGie..... | do do..... | 100 00 | |
| W. H. Whitely..... | do do..... | 100 00 | |
| S. F. Copp..... | do do..... | 100 00 | |
| J. B. Chevalier..... | do do..... | 100 00 | |
| P. Latraverse..... | do do..... | 100 00 | |
| L. J. Loranger..... | do do..... | 100 00 | |
| H. Martin..... | do do..... | 100 00 | |
| | Carried forward..... | 3,450 00 | |

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

| To whom paid. | Service. | Amount. | Total. |
|-------------------------|---|-----------|--------|
| | | \$ cts. | cts. |
| | Brought forward..... | 3,450 00 | |
| QUEBEC.—Continued. | | | |
| L. E. Grondin..... | For 12 months' salary as Fishery Overseer, to 30th June, 1878..... | 100 00 | |
| D. Rosa..... | do do..... | 50 00 | |
| J. Phelan..... | do do..... | 50 00 | |
| J. E. Demeule..... | do do..... | 50 00 | |
| Job Bilodeau..... | do do..... | 50 00 | |
| J. J. Fox..... | do do..... | 50 00 | |
| P. E. Luke..... | do do..... | 50 00 | |
| Wm. Clyde..... | do do..... | 50 00 | |
| A. Watt..... | do do..... | 50 00 | |
| J. Boily..... | do do..... | 50 00 | |
| J. Simard..... | do do..... | 40 00 | |
| E. Tremblay..... | do do..... | 30 00 | |
| G. Gagnon..... | do do..... | 30 00 | |
| C. Dubé..... | do do..... | 30 00 | |
| A. Filion..... | do do..... | 30 00 | |
| A. Beaton..... | do do..... | 30 00 | |
| Thomas Evans..... | do do..... | 30 00 | |
| J. Dewar..... | do do..... | 30 00 | |
| J. B. Gerin Lajoie..... | 4 do do..... | 13 33 | |
| W. McLeod..... | 2 do do..... | 16 66 | |
| E. Charette..... | do do..... | 8 33 | |
| O. Laféche..... | do do..... | 6 66 | |
| Jas. S. Webster..... | Salary as Special Fishery Constable, to 30th June, 1878..... | 362 00 | |
| Robert W. Jones..... | Salary as Special Fishery Guardian, to 30th June, 1878..... | 50 00 | |
| A. Fairbairn..... | do do..... | 50 00 | |
| A. H. N. Bruce..... | do do..... | 35 00 | |
| J. Lion..... | do do..... | 20 00 | |
| A. Wilson..... | do do..... | 50 00 | |
| M. Laurendeau..... | do do..... | 30 00 | |
| N. Racicot..... | do do..... | 30 00 | |
| D. O'Neil..... | do do..... | 30 00 | |
| B. Auger..... | do do..... | 20 00 | |
| D. Bédard..... | do do..... | 10 00 | |
| L. Smallien..... | do do..... | 5 00 | |
| M. Keatly..... | do do..... | | |
| John Mowat..... | do do..... | | |
| | 12 months' disbursements as Fishery Overseer, to 30th June, 1878..... | 1,372 89 | |
| P. Vibert..... | do do..... | 616 05 | |
| J. F. Saillant..... | do do..... | 589 05 | |
| D. B. McGie..... | do do..... | 495 95 | |
| S. T. Copp..... | do do..... | 424 30 | |
| W. C. Willis..... | do do..... | 349 70 | |
| H. Martin..... | do do..... | 253 38 | |
| D. Rosa..... | do do..... | 232 67 | |
| C. Caron..... | do do..... | 219 63 | |
| G. L. Duguay..... | do do..... | 154 50 | |
| G. Mathurin..... | do do..... | 144 30 | |
| P. C. Gobeil..... | do do..... | 118 70 | |
| J. B. Couillard..... | do do..... | 112 00 | |
| Y. Charest..... | do do..... | 106 40 | |
| J. O. Bélanger..... | do do..... | 104 05 | |
| J. Gauvreau..... | do do..... | 103 45 | |
| A. Beaton..... | do do..... | 90 85 | |
| J. B. Chevalier..... | do do..... | 87 90 | |
| | Carried forward..... | 10,612 75 | |

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

| To whom paid. | Service. | Amount. | Total. |
|---------------------------------|---|----------------------|---------|
| | Brought forward..... | \$ cts. 10,612 75 | \$ cts. |
| QUEBEC.—Continued. | | | |
| P. E. Luke..... | For 12 months' disbursements as Fishery Overseer, to 30th June, 1878..... | 61 30 | |
| R. W. H. Dimock..... | do do..... | 59 58 | |
| J. J. Letourneau..... | do do..... | 58 97 | |
| H. W. Austin..... | do do..... | 58 80 | |
| Wm. McLeod..... | do do..... | 50 00 | |
| J. J. Fox..... | do do..... | 42 50 | |
| J. Boily..... | do do..... | 41 50 | |
| J. E. Demeule..... | do do..... | 41 50 | |
| J. Phelan..... | do do..... | 35 50 | |
| D. Dewar..... | do do..... | 25 00 | |
| Thos. Evans..... | do do..... | 21 78 | |
| Job Bilodeau..... | do do..... | 19 50 | |
| L. P. Huot..... | do do..... | 18 95 | |
| Wm. Clyde..... | do do..... | 17 00 | |
| A. Watt..... | do do..... | 15 00 | |
| J. Simard..... | do do..... | 4 00 | |
| Jas. S. Webster..... | Disbursements as Special Fishery Constable, to 30th June, 1878..... | 120 00 | |
| C. Barbeau..... | Wages and disbursements as Special Fishery Constable, to 30th June, 1878..... | 700 98 | |
| A. Dalair..... | do do..... | 148 50 | |
| A. Eschemback..... | do do..... | 72 45 | |
| J. Legouvé..... | Salary as Fishery Guardian to 30th June, 1878..... | 118 61 | |
| H. G. Patterson..... | Salary as Fishery Guardian, St. John River, to 30th June, 1878..... | 172 00 | |
| A. Malouin..... | Salary as Fishery Guardian, Anticosti, to 30th June, 1878..... | 60 00 | |
| T. Gagne..... | do do..... | 60 00 | |
| Jerry Miller..... | Salary as Fishery Guardian, Bergeronnes, to 30th June, 1878..... | 75 00 | |
| Donald McLaren..... | Salary as Fishery Guardian, Upper Saguenay, to 30th June, 1878..... | 100 00 | |
| H. Bouchard..... | do do..... | 92 00 | |
| A. Simard..... | do do..... | 92 00 | |
| K. Bouchard..... | do do..... | 40 00 | |
| E. Poitras..... | do do..... | 20 00 | |
| N. Simard..... | Salary as Fishery Guardian, Escoumains, to 30th June, 1878..... | 80 00 | |
| A. Fairbairn..... | Disbursements as Special Fishery Guardian to 30th June, 1878..... | 67 50 | |
| P. Latraverse..... | do do..... | 50 00 | |
| E. J. O'Neil..... | do do..... | 35 00 | |
| Ottawa River Navigation Co..... | Passages, Special Constables..... | 130 80 | |
| Steamer "Saguenay"..... | do Guardians..... | 1 50 | |
| Jos. Fortier..... | do do..... | 1 48 | |
| A. Tremblay..... | Boatman..... | 20 00 | |
| E. V. H. Ferland..... | Professional services..... | 10 00 | |
| S. McDonell..... | do..... | 9 90 | |
| J. O. Laferrière..... | do..... | 7 60 | |
| C. E. Gauvin..... | Plans..... | 8 00 | |
| S. P. Bauset..... | Disbursements as Fishery Officer..... | 67 00 | |
| V. Charest..... | Taking prisoners to goal..... | 49 00 | |
| O. Dionne..... | do do..... | 28 10 | |
| Kearns & Ryan..... | Blankets for constables..... | 4 00 | |
| G. L. Duguay..... | Advance on account of salary..... | 37 50 | |
| | Total..... | | |

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

| To whom paid. | Service. | Amount. | Total. |
|--|--|---------|----------|
| NOVA SCOTIA. | | \$ cts. | \$ cts. |
| SALARIES OF FISHERY OVERSEERS AND WARDENS. | | | |
| <i>County of Annapolis.</i> | | | |
| W. T. Carty..... | For 12 months' salary, to 30th June, 1878..... | 120 00 | |
| T. Devers..... | do do..... | 25 00 | |
| Miner Clark..... | do do..... | 25 00 | |
| J. H. Pineo..... | do do..... | 25 00 | |
| C. Bartheaux..... | do do..... | 25 00 | |
| J. B. Dobson..... | do do..... | 25 00 | |
| A. F. Morton..... | do do..... | 25 00 | |
| J. H. Parker..... | do do..... | 25 00 | |
| | | | 295 00 |
| <i>County of Antigonish.</i> | | | |
| A. W. McDonald..... | For 12 months' salary, to 30th June, 1878..... | 125 00 | |
| Lochlin Cameron..... | do do..... | 30 00 | |
| John Dexter..... | do do..... | 30 00 | |
| Angus McDonald..... | do do..... | 25 00 | |
| J. R. Aymer..... | do do..... | 25 00 | |
| Colin Chisholm..... | do do..... | 25 00 | |
| Alex. McAdam..... | do do..... | 25 00 | |
| Donald Chisholm..... | do do..... | 25 00 | |
| Hugh Cameron..... | do do..... | 25 00 | |
| John Cummings..... | do do..... | 20 00 | |
| Duncan Frazer..... | do do..... | 20 00 | |
| Albert Randall..... | do do..... | 15 00 | |
| James Chisholm..... | 11 do do..... | 22 92 | |
| James McDougald..... | 4 do do..... | 6 25 | |
| | | | 419 17 |
| <i>County of Cape Breton.</i> | | | |
| Francis Quinan..... | For 12 months' salary, to 30th June, 1878..... | 120 00 | |
| A. McDonald..... | do do..... | 120 00 | |
| Yorke Barrington..... | do do..... | 120 00 | |
| Anthony Spencer..... | do do..... | 25 00 | |
| A. Morrison..... | do do..... | 25 00 | |
| Dennis Murphy..... | do do..... | 25 00 | |
| D. McDonald..... | do do..... | 25 00 | |
| M. McLellan..... | do do..... | 25 00 | |
| Patrick Keefe..... | do do..... | 25 00 | |
| Donald McCormack..... | do do..... | 25 00 | |
| John McNeil..... | do do..... | 25 00 | |
| William Burke..... | do do..... | 25 00 | |
| Allan McAdam..... | do do..... | 25 00 | |
| J. McEachen..... | do do..... | 25 00 | |
| Thomas Moore..... | do do..... | 20 00 | |
| Donald McDonald..... | do do..... | 20 00 | |
| Alex. McLean..... | do do..... | 20 00 | |
| | | | 695 00 |
| <i>County of Colchester.</i> | | | |
| William Blair..... | For 12 months' salary, to 30th June, 1878..... | 100 00 | |
| J. W. Davidson..... | do do..... | 100 00 | |
| R. J. Pollock..... | do do..... | 75 00 | |
| J. Urquhart..... | do do..... | 50 00 | |
| | | | 1,409 17 |
| Carried forward..... | | | 1,409 17 |

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

| To whom paid. | Service. | Amount. | Total. |
|--|--|---------|----------|
| | | \$ cts. | \$ cts. |
| Brought forward..... | | | 1,409 17 |
| NOVA SCOTIA.—Continued. | | | |
| SALARIES, ETC.—Continued. | | | |
| <i>County of Annapolis.—Continued.</i> | | | |
| James Bonyman..... | For 12 months' salary, to 30th June, 1878..... | 40 00 | |
| G. N. Christie..... | do do | 25 00 | |
| Samuel Frazer | do do | 25 00 | |
| G. Fulton | do do | 25 00 | |
| Wm. McElheney..... | do do | 25 00 | |
| Henry Urquhart..... | do do | 25 00 | |
| Thomas Davidson | do do | 25 00 | |
| George Moore..... | do do | 25 00 | |
| M. G. Murray | do do | 25 00 | |
| Wm. Winton..... | do do | 25 00 | |
| Alfred Wright..... | do do | 25 00 | |
| | | | 615 00 |
| <i>County of Cumberland.</i> | | | |
| Isaac J. Hingley | For 12 months' salary, to 30th June, 1878..... | 100 00 | |
| James King..... | do do | 100 00 | |
| Elijah Fowler..... | do do | 30 00 | |
| Oliver Fillmore..... | do do | 25 00 | |
| J. W. Moore..... | do do | 25 00 | |
| J. Brownell..... | do do | 25 00 | |
| Asa Fillmore..... | do do | 25 00 | |
| David Corbett..... | do do | 25 00 | |
| Moses Harrison..... | do do | 25 00 | |
| F. L. Jenks..... | do do | 25 00 | |
| W. C. Rindress..... | 8 do do | 20 00 | |
| Collingwood Pugsley..... | 6 do do | 12 50 | |
| Henry Fountain..... | 4 do do | 10 00 | |
| J. Canham..... | do do | 12 50 | |
| | | | 460 00 |
| <i>County of Digby.</i> | | | |
| J. H. Morehouse..... | For 12 months' salary, to 30th June, 1878..... | 120 00 | |
| L. A. Melancon..... | do do | 75 00 | |
| H. E. Payson..... | do do | 50 00 | |
| A. L. Gavil..... | do do | 25 00 | |
| J. M. Devault..... | do do | 25 00 | |
| Lochlin McKay..... | do do | 25 00 | |
| Robert Journey..... | do do | 25 00 | |
| J. P. Thibodeau..... | do do | 25 00 | |
| | | | 370 00 |
| <i>County of Guysborough.</i> | | | |
| Jas. A. Tory..... | For 12 months' salary, to 30th June, 1878..... | 150 00 | |
| John McDaniel..... | do do | 100 00 | |
| Allan McQuarrie..... | do do | 40 00 | |
| Donald Gunn..... | do do | 30 00 | |
| Wm. Pride..... | do do | 30 00 | |
| Edward Jordan..... | do do | 30 00 | |
| Adam Kirk..... | do do | 30 00 | |
| James Clark..... | do do | 25 00 | |
| Carried forward..... | | | 2,854 17 |

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

| To whom paid. | Service.. | Amount. | Total. |
|-----------------------------------|--|---------|----------|
| | | \$ cts. | \$ cts. |
| | Brought forward..... | | 2,854 17 |
| NOVA SCOTIA.—Continued. | | | |
| SALARIES, ETC.—Continued. | | | |
| County of Guysborough.—Continued. | | | |
| Alex. Ross..... | For 12 months' salary to 30th June, 1878..... | 25 00 | |
| James Cabill..... | do do | 20 00 | |
| D. Mc. C. Sinclair..... | do do | 20 00 | |
| Robert McKay..... | do do | 15 00 | |
| James Nickerson..... | do do | 15 00 | |
| Charles Kenney..... | do do | 15 00 | |
| J. R. Bruce..... | do do | 10 00 | |
| Thos. McKeen..... | 6 do do | 15 00 | |
| Luke Harpell..... | 3 do do | 3 75 | |
| Juncan Cameron..... | 2 do do | 3 33 | |
| Fred. Mattie..... | 2 do do | 2 50 | |
| Thos. McKeen..... | Salary from 1st January, to 31st December, 1877... | 30 00 | 609 58 |
| County of Halifax. | | | |
| William Anderson..... | For 12 months' salary, to 30th June, 1878..... | 150 00 | |
| John Fitzgerald..... | do do | 150 00 | |
| William Hall..... | do do | 40 00 | |
| Archd. Kidston..... | do do | 40 00 | |
| Nathaniel Masson..... | do do | 40 00 | |
| Neil McLean..... | do do | 40 00 | |
| James Blakely..... | do do | 30 00 | |
| Donald McLean..... | do do | 30 00 | |
| Henry Balcom..... | do do | 30 00 | |
| John McCurdy..... | do do | 30 00 | |
| James Gardner..... | do do | 30 00 | |
| John Taylor..... | do do | 30 00 | |
| George Parker..... | do do | 30 00 | |
| George Keizer..... | do do | 30 00 | |
| James Miller..... | do do | 30 00 | |
| Daniel Mosher..... | do do | 20 00 | |
| Donald McDonald..... | 11 do do | 27 50 | |
| W. G. Walker..... | 9 do do | 15 00 | |
| F. G. Tolson..... | 6 do do | 20 00 | |
| John Frazer..... | 6 do do | 15 00 | |
| D. Mosher..... | 6 do do | 10 00 | |
| James Crook..... | 2 do do | 4 17 | |
| F. G. Tolson..... | Salary from 1st April, to 31st December, 1877.. | 30 00 | |
| Joseph Hamilton..... | Salary from 1st July, to 31st March, 1877..... | 30 00 | 901 67 |
| County of Hants. | | | |
| P. S. Burnham..... | For 12 months' salary, to 30th June, 1878..... | 100 00 | |
| T. B. O'Brien..... | do do | 100 00 | |
| Joseph Mosher..... | do do | 50 00 | |
| Jas. Mosher..... | do do | 30 00 | |
| J. M. O'Brien..... | do do | 30 00 | |
| J. W. Dinsmore..... | 11 do do | 27 50 | |
| J. B. Colter..... | 1 do do | 2 50 | 340 00 |
| Carried forward..... | | | 4,795 42 |

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

| To whom paid. | Service.. | Amount. | Total. |
|---------------------------|--|---------|----------|
| | | \$ cts. | \$ cts. |
| | Brought forward..... | | 4,705 42 |
| NOVA SCOTIA.—Continued. | | | |
| SALARIES, ETC.—Continued. | | | |
| County of Inverness. | | | |
| M. A. Ross..... | For 12 months' salary, to 30th June, 1878..... | 100 00 | |
| Hugh Gillies..... | do do | 100 00 | |
| John Cameron..... | do do | 100 00 | |
| Peter Coady..... | do do | 25 00 | |
| Neil McKay..... | do do | 25 00 | |
| John Meagher..... | do do | 25 00 | |
| Kenneth McKenzie..... | do do | 25 00 | |
| Michael McDonald..... | do do | 25 00 | |
| A. McLellan..... | do do | 25 00 | |
| Hugh Cameron..... | do do | 25 00 | |
| James McGarry..... | do do | 25 00 | |
| Malcolm McLeod..... | do do | 25 00 | |
| Mark Crowdis..... | do do | 25 00 | |
| George Ingraham..... | do do | 25 00 | |
| John Carroll..... | do do | 25 00 | |
| Donald McDonald..... | do do | 25 00 | |
| Malcolm McKay..... | do do | 20 00 | |
| Donald McDonald..... | do do | 25 00 | |
| J. McRae..... | Salary from 1st January to 28th May, 1875..... | 10 42 | 680 42 |
| County of Kings. | | | |
| J. E. Starr..... | For 12 months' salary, to 30th June, 1878..... | 250 00 | |
| Adolphus Bishop..... | do do | 125 00 | |
| W. McIntyre..... | do do | 30 00 | |
| Irad Benjamin..... | do do | 20 00 | |
| John Bochaman..... | do do | 20 00 | |
| Elias Bishop..... | do do | 3 33 | 448 33 |
| County of Lunenburg. | | | |
| George Redden..... | For 12 months' salary, to 30th June, 1878..... | 100 00 | |
| H. S. Jost..... | do do | 100 00 | |
| George Moland..... | do do | 25 00 | |
| James Corkum..... | do do | 25 00 | |
| William Mosher..... | do do | 25 00 | |
| Hohn Hutt..... | do do | 25 00 | |
| James Langille..... | do do | 25 00 | |
| Charles Pernette..... | do do | 25 00 | |
| John Artz..... | do do | 25 00 | |
| James Mossman..... | do do | 25 00 | |
| Edward Morgan..... | do do | 25 00 | |
| John Andrews..... | do do | 25 00 | |
| G. A. Nesbitt..... | do do | 25 00 | |
| Eli Hebb..... | do do | 25 00 | |
| Edward Boylan..... | do do | 25 00 | |
| William Croft..... | do do | 25 00 | 550 00 |
| | Carried forward..... | | 6,384 17 |

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

| To whom paid. | Services. | Amount. | Total. |
|----------------------------|--|---------|----------|
| | | \$ cts. | \$ cts. |
| | Brought forward..... | | 6,384 17 |
| NOVA SCOTIA.—Continued. | | | |
| SALARIES, ETC.—Continued. | | | |
| <i>County of Pictou.</i> | | | |
| J. McDonald..... | For 12 months' salary, to 30th June, 1878..... | 170 00 | |
| David Marshall..... | do do | 140 00 | |
| Daniel McLean..... | do do | 30 00 | |
| J. McKay..... | do do | 25 00 | |
| Donald Rankin..... | do do | 25 00 | |
| William Stewart..... | do do | 25 00 | |
| John Turner..... | do do | 25 00 | |
| William Smith..... | do do | 25 00 | |
| William Evans..... | do do | 25 00 | |
| Robert Archibald..... | do do | 25 00 | |
| David Languille..... | do do | 25 00 | |
| George McKenzie..... | do do | 25 00 | |
| John McDonald..... | do do | 25 00 | |
| P. Delaney..... | do do | 25 00 | |
| Donald Fraser..... | do do | 25 00 | |
| William Frazer..... | do do | 25 00 | |
| A. McKenzie..... | 10 do do | 22 92 | |
| Donald Miller..... | 2 do do | 3 33 | |
| | | | 691 25 |
| <i>County of Queens.</i> | | | |
| S. T. N. Sellon..... | For 12 months' salary, to 30th June, 1878..... | 170 00 | |
| Theo. Ford..... | do do | 50 00 | |
| Henry Hooker..... | do do | 30 00 | |
| John Fitzgerald..... | do do | 30 00 | |
| James Farquhar..... | do do | 30 00 | |
| Solomon Lonas..... | do do | 30 00 | |
| Barnabas Miles..... | do do | 20 00 | |
| Stephen Smith..... | do do | 20 00 | |
| George Snadden..... | do do | 20 00 | |
| Stephen Clements..... | do do | 25 00 | |
| Jonathan Smith..... | do do | 15 00 | |
| | | | 440 00 |
| <i>County of Richmond.</i> | | | |
| Duncan Cameron..... | For 12 months' salary, to 30th June, 1878..... | 125 00 | |
| Edward Ballam..... | do do | 125 00 | |
| P. W. Grouchy..... | do do | 30 00 | |
| Abraham Sampson..... | do do | 30 00 | |
| Alex. Smith..... | do do | 30 00 | |
| Justinien Sampson..... | do do | 30 00 | |
| Edward Madden..... | do do | 30 00 | |
| George Donahoe..... | do do | 30 00 | |
| J. Murchison..... | do do | 30 00 | |
| Patrick Kyte..... | do do | 25 00 | |
| Felix Gerrior..... | do do | 25 00 | |
| William Kehoe..... | do do | 25 00 | |
| J. Proctor, sen..... | do do | 20 00 | |
| Charles Grant..... | do do | 20 00 | |
| | | | 575 00 |
| | Carried forward..... | | 8,090 42 |

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

| To whom paid. | Service. | Amount. | Total. |
|------------------------|---|---------|----------|
| | | \$ cts. | \$ cts. |
| | Brought forward..... | | 8,090 42 |
| | NOVA SCOTIA.—Continued. | | |
| | SALARIES, ETC.—Continued. | | |
| | County of Shelburne. | | |
| Samuel Muir..... | For 12 months' salary, to 30th June, 1878..... | 125 00 | |
| James Turner..... | do do | 30 00 | |
| Henry Ackerman..... | do do | 30 00 | |
| P. Crowell..... | do do | 20 00 | |
| William McKay..... | do do | 20 00 | |
| M. Greenwood..... | do do | 20 00 | |
| Richard McGill..... | do do | 20 00 | |
| George Archer..... | do do | 15 00 | |
| L. Freeman..... | 10 do do | 25 00 | 305 00 |
| | County of Victoria. | | |
| J. W. Burke..... | For 12 months' salary, to 30th June, 1878..... | 120 00 | |
| Donald McRae, jun..... | do do | 120 00 | |
| Angus McDonald..... | do do | 30 00 | |
| Kenneth Campbell..... | do do | 30 00 | |
| Roderick Beaton..... | do do | 30 00 | |
| William Foyle..... | do do | 30 00 | |
| John McCharles..... | do do | 30 00 | |
| Donald Bochaman..... | do do | 30 00 | |
| Malcolm McIver..... | do do | 30 00 | |
| Joseph Gunn..... | do do | 30 00 | |
| George Burton..... | do do | 30 00 | |
| Joseph Hellen..... | do do | 30 00 | |
| John McLellan..... | do do | 25 00 | |
| John McDonald..... | do do | 25 00 | |
| Donald McQuarrie..... | do do | 25 00 | |
| Donald McMillan..... | do do | 25 00 | |
| Donald McAuley..... | do do | 25 00 | |
| Hector McKenzie..... | do do | 25 00 | |
| Donald McRae..... | do do | 25 00 | |
| Frs. Arnold..... | do do | 25 00 | 740 00 |
| | County of Yarmouth. | | |
| Enos Gardner..... | For 12 months' salary, to 30th June, 1878.. | 150 00 | |
| J. A. Hatfield..... | do do | 50 00 | |
| Jerome Doucette..... | do do | 30 00 | |
| Wm. Kavanagh..... | do do | 25 00 | |
| Wm. Prosser..... | do do | 25 00 | |
| Eustace Nickerson..... | do do | 25 00 | |
| Edward Perry..... | do do | 25 00 | |
| Vital Muise..... | do do | 25 00 | |
| Joseph M. White..... | do do | 25 00 | |
| Wm. Thurston..... | do do | 25 00 | |
| John Ingraham Brand .. | 2 do do | 4 17 | 409 17 |
| | Carried forward !..... | | 9,544 59 |

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

| To whom paid. | Service. | Amount. | Total. |
|-------------------------------------|--|----------|-----------|
| Brought forward..... | | | 9,544 59 |
| NOVA SCOTIA.—Continued. | | | |
| DISBURSEMENTS OF FISHERY OVERSEERS. | | | |
| Samuel Muir..... | For 12 months' disbursements, to 31st Dec., 1877... | 145 95 | |
| J. T. N. Sellon..... | do do | 126 47 | |
| William Anderson..... | do do | 83 00 | |
| Enos Gardner..... | do do | 170 50 | |
| J. E. Starr..... | do do | 131 00 | |
| John Fitzgerald..... | do do | 76 04 | |
| John Cameron..... | do do | 71 98 | |
| Francis Quinan..... | do do | 66 25 | |
| W. T. Carty..... | do do | 63 00 | |
| J. O'Brien..... | do do | 57 70 | |
| M. A. Ross..... | do do | 54 00 | |
| Donald McRae..... | do do | 50 65 | |
| Alex. McDonald..... | do do | 50 00 | |
| James A. Tory..... | do do | 48 26 | |
| James H. Morehouse..... | do do | 47 00 | |
| E. H. Ballam..... | do do | 45 75 | |
| George Redden..... | do do | 45 00 | |
| James King..... | do do | 44 00 | |
| Peter S. Burnham..... | do do | 42 59 | |
| J. A. Hatfield..... | do do | 40 75 | |
| David Marshall..... | do do | 41 30 | |
| J. W. Burke..... | do do | 40 50 | |
| Henry S. Jost..... | do do | 40 00 | |
| John McDaniel..... | do do | 39 85 | |
| Yorke Barrington..... | do do | 39 00 | |
| J. W. Davidson..... | do do | 38 65 | |
| Peter Coady..... | do do | 38 50 | |
| John McDonald..... | do do | 37 50 | |
| A. W. McDougald..... | do do | 37 12 | |
| A. Bishop..... | do do | 34 55 | |
| Duncan Cameron..... | do do | 32 05 | |
| L. A. Melançon..... | do do | 32 00 | |
| Hugh Gillis..... | do do | 25 00 | |
| James Bonyman..... | do do | 20 00 | |
| Isaac J. Hingley..... | do do | 16 75 | |
| Wm. Blair..... | do do | 8 75 | |
| H. E. Payson..... | do do | 6 75 | |
| R. J. Pollock..... | do do | 5 75 | |
| | | | 1,993 82 |
| W. H. Wyldé..... | 13 months' salary as Inspector of Fisheries..... | 1,486 29 | |
| Receiver-General..... | Superannuation tax on W. H. Wyldé's salary.. | 28 00 | |
| W. H. Rogers..... | 13 months' salary as Fishery Officer..... | 849 30 | |
| Receiver-General..... | Superannuation tax on W. H. Roger's salary.. | 20 00 | |
| Donald Miller..... | Night watchman on River Philip..... | 90 00 | |
| W. H. Wyldé..... | 12 months' disbursements as Inspector of Fish- eries..... | 300 00 | |
| W. H. Rogers..... | 12 months' disbursements as Fishery Officer..... | 700 00 | |
| W. F. Whitcher..... | Travelling expenses as Commissioner of Fish- eries..... | 100 00 | |
| F. Romans..... | Board of Guardians, Sackville River..... | 31 72 | |
| J. Farquhar & Co..... | Cases for papers..... | 10 00 | |
| J. W. DeWolf..... | do..... | 6 00 | |
| R. Brander..... | Mounting maps..... | 3 00 | |
| Andrew King..... | Horse hire..... | 87 50 | |
| Carried forward..... | | | 11,538 41 |

STATEMENT of Expend ure on account of Fisheries, etc.—Continued.

| To whom paid. | Service. | Amount. | Total. |
|-------------------------|--|---------|----------------------|
| | Brought forward..... | \$ cts. | \$ cts- 11,538 41 |
| | NOVA SCOTIA.—Continued. | | |
| | DISBURSEMENTS, ETC.—Continued. | | |
| C. Neal..... | For Cartage | 5 10 | |
| Blackader Bros | Subscription to <i>Acadian Recorder</i> | 2 50 | |
| Grant & Co..... | Building fish-pass at Springville..... | 20 00 | |
| E. G. Stayner..... | Canoe for Bedford Establishment..... | 15 00 | 754 4E |
| | | | 15,292 8E |
| | NEW BRUNSWICK. | | |
| | SALARIES OF FISHERY OVERSEERS AND WARDENS. | | |
| | County of Albert. | | |
| Winthrop Akerley | For 12 months' salary, to 30th June, 1878..... | 100 00 | |
| Wallace Taylor | do do | 40 00 | |
| C. McLatchey..... | do do | 40 00 | |
| J. C. Kinne..... | do do | 40 00 | |
| B. Oliver | do do | 40 00 | |
| Jacob Beck | do do | 30 00 | 290 00 |
| | County of Carleton. | | |
| Hugh Harrison | For 12 months' salary, to 30th June, 1878..... | 100 00 | |
| Hugh Miller..... | do do | 30 00 | |
| George Burt | do do | 30 00 | |
| J. W. Scott..... | do do | 30 00 | |
| Wm. Thompson..... | do do | 30 00 | 220 00 |
| | County of Charlotte. | | |
| W. B. McLaughlan..... | For 12 months' salary, to 30th June, 1878..... | 240 00 | |
| Leonard Best..... | do do | 100 00 | |
| James Brown..... | do do | 100 00 | |
| J. M. Lord | do do | 50 00 | |
| B. L. Cunningham..... | do do | 40 00 | |
| Samuel Dick..... | do do | 30 00 | |
| Robert Dixon..... | do do | 30 00 | |
| James Russell..... | do do | 30 00 | |
| Andrew Gilmour..... | do do | 30 00 | |
| Edward Carroll | do do | 30 00 | |
| J. Thompson..... | do do | 30 00 | |
| J. Catharan..... | do do | 50 00 | |
| Patrick Curran..... | 6 do do | 60 00 | 820 00 |
| | County of Gloucester. | | |
| James Hickson | For 12 months' salary, to 30th June, 1878..... | 250 00 | |
| Juste Haché | do do | 100 00 | |
| Wm. Bateman | do do | 50 00 | |
| Alexis Landry, jun..... | do do | 50 00 | |
| Fred. Comeau..... | do do | 40 00 | |
| | Carried forward..... | | 1,330 00 |

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

| To whom paid. | Service. | Amount. | Total. |
|---|--|---------|----------|
| | | \$ cts. | \$ cts. |
| | Brought forward..... | | 1,330 00 |
| NEW BRUNSWICK.—Continued. | | | |
| SALARIES, ETC.—Continued. | | | |
| <i>County of Gloucester.—Continued.</i> | | | |
| Justinien Savoy..... | For 12 months' salary, to 30th June, 1878..... | 30 00 | |
| John L. Veno..... | do do..... | 30 00 | |
| Miles Dempsey..... | do do..... | 30 00 | |
| Timothy Coughlan..... | do do..... | 30 00 | |
| William Rogers..... | do do..... | 25 00 | |
| John Calnan, jun..... | do do..... | 25 00 | |
| Adolphe Haché..... | 9 do do..... | 22 50 | |
| H. A. Sormany..... | 3 do do..... | 7 50 | |
| | | | 690 00 |
| <i>County of Kent.</i> | | | |
| Charles Cormier..... | For 12 months' salary, to 30th June, 1878..... | 100 00 | |
| J. McD. Sutherland..... | do do..... | 75 00 | |
| Lazare Guimon..... | do do..... | 75 00 | |
| Nicholas Muzzeroll..... | do do..... | 50 00 | |
| F. B. Legaré..... | do do..... | 30 00 | |
| M. A. Girouard..... | do do..... | 30 00 | |
| James Harnett..... | do do..... | 30 00 | |
| | | | 390 00 |
| <i>County of Kings.</i> | | | |
| Samuel Gosline..... | For 12 months' salary to 30th June, 1878..... | 100 00 | |
| N. H. DeVeber..... | do do..... | 50 00 | |
| S. F. Ryan..... | do do..... | 30 00 | |
| S. Gamblain..... | do do..... | 30 00 | |
| | | | 210 00 |
| <i>County of Northumberland.</i> | | | |
| John Hogan..... | For 12 months' salary, to 30th June, 1878..... | 400 00 | |
| William Wyse..... | do do..... | 200 00 | |
| William Cushman..... | do do..... | 160 00 | |
| N. B. T. Underhill..... | do do..... | 160 00 | |
| James Russell..... | do do..... | 150 00 | |
| Amos Perley..... | do do..... | 100 00 | |
| Kenneth Cameron..... | do do..... | 100 00 | |
| John Williston..... | do do..... | 100 00 | |
| Prudent Robichaux..... | do do..... | 100 00 | |
| Samuel Freeze..... | do do..... | 100 00 | |
| William Blake..... | do do..... | 50 00 | |
| Thomas Taylor..... | do do..... | 50 00 | |
| John Stymast..... | do do..... | 50 00 | |
| John Holmes..... | do do..... | 50 00 | |
| Aaron Hovey..... | do do..... | 30 00 | |
| George Bryenton..... | do do..... | 30 00 | |
| Patrick Bergin..... | do do..... | 30 00 | |
| Thomas Smith..... | do do..... | 30 00 | |
| Patrick Gillis..... | do do..... | 30 00 | |
| Denis Hogan..... | do do..... | 30 00 | |
| Thomas McKenzie..... | do do..... | 30 00 | |
| Henry Oldfield..... | do do..... | 30 00 | |
| | | | 2,620 00 |
| | Carried forward..... | | 2,620 00 |

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

| To whom paid. | Service. | Amount. | Total. |
|---|--|---------|----------|
| | | \$ cts. | \$ cts. |
| | Brought forward..... | | 2,620 00 |
| NEW BRUNSWICK.—Continued. | | | |
| SALARIES, ETC.—Continued. | | | |
| <i>County of Northumberland.—Continued.</i> | | | |
| Findlay McDairmaid..... | For 21 months' salary, to 30th June, 1878..... | 30 00 | |
| N. Morehouse..... | do do | 30 00 | |
| J. T. Coughlan..... | do do | 30 00 | |
| J. A. Somers..... | do do | 30 00 | |
| Michael Donovan..... | do do | 18 00 | |
| John Doyle..... | 14 do | 35 00 | |
| P. Russell..... | 2 do | 7 50 | |
| | | | 2,190 50 |
| <i>County of Queens.</i> | | | |
| Isaiah Langan..... | For 12 months' salary to 30th June, 1878..... | 30 00 | |
| John Secord..... | do do | 30 00 | |
| Isaac T. Hetherington.... | do do | 30 00 | |
| J. J. Camp..... | do do | 30 00 | |
| C. Estabrook..... | do do | 30 00 | |
| W. H. Clark..... | do do | 25 00 | |
| Robert McMann..... | do do | 25 00 | |
| Robert Philip..... | do do | 25 00 | |
| Solomon Thorne..... | 2 do | 5 00 | |
| R. P. Yeoman..... | 2 do | 5 00 | |
| Hiram Starkey..... | 2 do | 5 00 | |
| | | | 240 00 |
| <i>County of Restigouche.</i> | | | |
| E. Ferguson..... | For 12 months' salary to 30th June, 1878..... | 100 00 | |
| A. McPherson, jun. | do do | 25 00 | |
| J. McMillan..... | do do | 25 00 | |
| Dugald Carmichael..... | do do | 25 00 | |
| | | | 175 00 |
| <i>County of Sunbury.</i> | | | |
| G. W. Hoben..... | For 12 months' salary to 30th June, 1878 | | 100 00 |
| <i>County of St. John.</i> | | | |
| Joseph O'Brien..... | For 12 months' salary to 30th June, 1878..... | 150 00 | |
| William Skillen..... | do do | 100 00 | |
| | | | 250 00 |
| <i>County of Victoria.</i> | | | |
| Charles McCluskey..... | For 12 months' salary to 30th June, 1878 | 100 00 | |
| Charles Roberts..... | do do | 30 00 | |
| J. McDougall..... | do do | 30 00 | |
| G. Bedell..... | do do | 30 00 | |
| Donald Frazer..... | do do | 30 00 | |
| Thomas Edgar..... | do do | 30 00 | |
| Edward Maloney..... | do do | 30 00 | |
| | | | 280 00 |
| | Carried forward..... | | 5,855 50 |

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

| To whom paid. | Service | Amount. | Total. |
|-------------------------------------|---|----------|----------|
| | Brought forward | \$ cts. | \$ cts |
| | | | 5,855 50 |
| NEW BRUNSWICK.— <i>Continued.</i> | | | |
| SALARIES, ETC.— <i>Continued.</i> | | | |
| <i>County of Westmoreland.</i> | | | |
| W. B. Deacon | For 12 months' salary to 30th June, 1878 | 100 00 | |
| Hugh Davidson | do do | 100 00 | |
| D. T. Cormier | do do | 60 00 | 260 00 |
| <i>County of York.</i> | | | |
| J. Campbell | For 12 months' salary to 30th June, 1878 | 60 00 | |
| William Brown | do do | 60 00 | |
| Alex. Moir | do do | 30 00 | 150 00 |
| DISBURSEMENTS OF FISHERY OVERSEERS. | | | |
| James Hickson | For 12 months' disbursements to 31st December, 1877 | 157 46 | |
| John Hogan | do do | 134 42 | |
| William Wyse | do do | 82 37 | |
| Samuel Gosline | do do | 78 76 | |
| W. B. Deacon | do do | 77 50 | |
| B. L. Cunningham | do do | 71 75 | |
| James Russell | do do | 66 70 | |
| John Williston | do do | 59 00 | |
| Patrick Curran | do do | 56 00 | |
| J. McD. Sutherland | do do | 55 25 | |
| Joseph O'Brien | do do | 54 09 | |
| W. B. McLaughlin | do do | 50 00 | |
| Thomas Taylor | do do | 48 45 | |
| W. Akerley | do do | 47 19 | |
| Charles McCluskey | do do | 43 75 | |
| Hugh Davidson | do do | 43 00 | |
| N. B. T. Underhill | do do | 39 75 | |
| Samuel Freeze | do do | 38 95 | |
| James Brown | do do | 37 50 | |
| D. T. Cormier | do do | 34 00 | |
| G. W. Hoben | do do | 33 66 | |
| James M. Lord | do do | 31 00 | |
| Hugh Harrison | do do | 20 75 | |
| N. H. DeVeber | do do | 30 00 | |
| Charles Cormier | do do | 30 00 | |
| Prudent Robichaux | do do | 30 00 | |
| Aros Perley | do do | 30 00 | |
| E. Ferguson | do do | 26 50 | |
| William Bateman | do do | 26 00 | |
| Isaac T. Hetherington | do do | 22 00 | |
| William Brown | do do | 18 95 | |
| Justinien Savoy | do do | 18 00 | |
| William Blake | do do | 15 00 | |
| W. E. Skillen | do do | 14 00 | |
| Kenneth Cameron | do do | 14 00 | |
| F. McDairmaid | do do | 13 50 | |
| John Stymast | do do | 12 25 | |
| Hugh Miller | do do | 12 00 | |
| | Carried forward | 1,683 41 | 6,265 50 |

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

| To whom paid. | Service. | Amount. | Total. |
|---|--|---------------------|---------------------|
| | Brought forward..... | \$ cts. 1,683 41 | \$ cts. 6,265 50 |
| NEW BRUNSWICK.—Continued. | | | |
| DISBURSEMENTS, ETC.—Continued. | | | |
| Juste Haché..... | For 12 months' disbursements, to 31st Dec., 1877... | 11 60 | 1,711 61 |
| Leonard Best | do do | 9 00 | |
| Alexis Landry..... | do do | 4 00 | |
| J. W. Taylor..... | do do | 3 60 | |
| W. H. Venning | For 12 months' salary as Inspector of Fisheries..... | 1,371 96 | 2,949 00 |
| Receiver General..... | Superannuation tax on W. H. Venning's salary | 28 00 | |
| C. R. Venning..... | 12 months' salary as Clerk to Inspector of Fisheries | 394 92 | |
| Receiver General..... | Superannuation tax on C. R. Venning's salary. | 5 00 | |
| W. H. Venning..... | 12 months' disbursements as Inspector of Fisheries..... | 382 31 | |
| C. R. Venning..... | Arrears of salary to 30th June, 1877..... | 325 42 | |
| Lordly, Howe & Co..... | Office furniture to replace that destroyed by fire | 101 60 | |
| G. F. Simonson..... | Rent of office..... | 200 00 | |
| C. G. Berryman..... | Hardware fittings for office..... | 14 55 | |
| Bowes, Campbell & Ellis | Stoves, etc., fittings..... | 19 58 | |
| R. P. & W. F. Starr..... | Coal..... | 30 99 | |
| J. L. McCoskery..... | Stationery | 19 75 | |
| F. G. Loggie | Maps | 3 25 | |
| R. D. McArthur..... | Postage stamps | 20 00 | |
| J. L. McCoskery..... | do | 10 00 | |
| F. Robidoux..... | Advertising in <i>Moniteur Acadien</i> | 15 66 | |
| D. G. Smith | do <i>St. Lawrence Advance</i> | 1 60 | |
| D. McAlpine..... | Directory..... | 2 00 | |
| Thomas Mack..... | Freight | 2 41 | |
| | Total..... |  |  | 10,926 11 |
| PRINCE EDWARD ISLAND. | | | |
| SALARIES OF FISHERY OVERSEERS AND WARDENS. | | | |
| <i>County of Kings.</i> | | | |
| Martin MacInnis..... | For 12 months' salary to 30th June, 1878..... | 150 00 | 489 17 |
| John Crane..... | do do | 30 00 | |
| James MacInnis..... | do do | 30 00 | |
| John McGuire..... | do do | 30 00 | |
| James McAuley..... | do do | 30 00 | |
| Patrick McInnis..... | do do | 30 00 | |
| Wm. R. Dingwell..... | do do | 30 00 | |
| John Brien..... | do do | 30 00 | |
| Thomas Clay..... | do do | 30 00 | |
| D. D. Campbell..... | do do | 30 00 | |
| Francis Cook | do do | 30 00 | |
| Andrew Whelan..... | 14 do do | 35 00 | |
| John Fisher..... | 1 do do | 4 17 | |
| | Carried forward..... |  |  | 489 17 |

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

| To whom paid. | Service. | Amount. | Total. |
|--|--|---------|----------|
| | | \$ cts. | \$ cts. |
| | Brought forward..... | | 489 17 |
| PRINCE EDWARD ISLAND.—Continued. | | | |
| SALARIES, ETC.—Continued. | | | |
| <i>County of Prince.</i> | | | |
| John Clark | For 12 months' salary to 30th June, 1878..... | 150 00 | |
| James T. Reid..... | do do | 30 00 | |
| James Ramsay..... | do do | 30 00 | |
| Hugh McIntosh..... | do do | 30 00 | |
| Peter H. Perry..... | do do | 30 00 | |
| Abraham Wall..... | do do | 30 00 | |
| Patrick McBride..... | do do | 30 00 | |
| William Burns..... | do do | 30 00 | |
| Nathl. McArthur..... | do do | 30 00 | |
| Lawrence Phee. | do do | 30 00 | |
| | | | 420 00 |
| <i>County of Queen's.</i> | | | |
| Isaac Thompson | For 12 months' salary, to 30th June, 1878..... | 150 00 | |
| Ewen Clark | 18 do do | 45 00 | |
| Michael Ready | 12 do do | 30 00 | |
| James Clow | do do | 30 00 | |
| Lionel Garnim | do do | 30 00 | |
| William Whitehead. | do do | 30 00 | |
| Thomas Murphy | do do | 30 00 | |
| Roderick Morrison | do do | 30 00 | |
| Alex. McRae | do do | 30 00 | |
| David Rattray..... | do do | 30 00 | |
| John McMillan | do do | 30 00 | |
| | | | 465 00 |
| DISBURSEMENTS OF FISHERY OVERSEERS. | | | |
| Martin MacInnis..... | For 12 months' disbursements, to 31st Dec., 1877... | 150 00 | |
| John Clark | do do | 100 00 | |
| Isaac Thompson | do do | 78 55 | |
| Patrick McInnis. | do do | 30 00 | |
| Patrick McBride | do do | 15 00 | |
| James Ramsay..... | Disbursements in connection with prosecutions for violation of Fisheries Act..... | 84 82 | |
| William Mitchell..... | Postage | 4 00 | |
| | | | 462 37 |
| | Total..... | | 1,836 54 |
| <i>British Columbia.</i> | | | |
| A. C. Anderson..... | For 12 months' salary as Inspector of Fisheries, to 30th June, 1877 | 600 00 | |
| do | Disbursements as Inspector of Fisheries..... | 90 00 | |
| | | | 690 00 |
| <i>Manitoba.</i> | | | |
| Donald Gunn..... | For 12 months' salary as Fishery Overseer, to 30th June, 1877..... | | 200 00 |

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

| To whom paid. | Service. | Amount. | Total. |
|--|--|----------|----------|
| | | \$ cts. | \$ cts. |
| FISH-BREEDING. | | | |
| Samuel Wilmot..... | For 12 months' salary as Fishery Officer in charge of the several Fish Breeding Establishments in the Dominion, to 30th June, 1878.. | 1,960 00 | |
| Receiver-General..... | Superannuation tax on S. Wilmot's salary..... | 40 00 | |
| Samuel Wilmot..... | 12 month's disbursements..... | 775 86 | 2,775 86 |
| <i>Newcastle Establishment, Ontario.</i> | | | |
| Wm. Parker..... | For 9 months' wages as Caretaker, to 31st December, 1877 | 375 00 | |
| C. E. Lowe..... | 9 months' wages as Assistant Caretaker, to 31st December, 1877..... | 300 00 | |
| Wm. Parker..... | Disbursements as Caretaker..... | 145 85 | |
| C. E. Lowe..... | do Assistant Caretaker..... | 59 92 | |
| John Otten..... | Labour at Fish-Breeding Establishment..... | 31 50 | |
| John Kelsey..... | do do | 23 00 | |
| Patrick Nugent..... | do do | 9 00 | |
| Joseph Nevin..... | do do | 15 00 | |
| Thomas Goursoll..... | Labour at dam and raceway..... | 63 12 | |
| Richard Spencer..... | do do | 55 32 | |
| Alex. Parker..... | Fishing trap-nets, Lake Ontario..... | 115 00 | |
| Mathew Wilson..... | do do | 15 00 | |
| Alfred Bright..... | Picking ova..... | 22 80 | |
| D. J. Hinman..... | Collecting ova..... | 24 25 | |
| M. Begg..... | Guardian, Wilmot's Creek..... | 30 00 | |
| McDonald Patterson..... | do Grafton do | 49 50 | |
| James Speen..... | Cedar posts, timber, etc..... | 109 00 | |
| D. Cornstock..... | Lumber..... | 22 26 | |
| George Haynes..... | do | 3 81 | |
| W. McSpadden..... | Coal..... | 73 20 | |
| J. R. Barefeldt..... | Coal oil, hardware..... | 38 35 | |
| R. Fothergill..... | do | 17 09 | |
| S. Wilmot..... | Rental of premises, Fish-breeding Establishment | 250 00 | |
| H. Soper..... | Rent of water privileges, Barber's Creek..... | 5 00 | |
| Thomas Douglas..... | Express charges on California salmon, etc..... | 186 82 | |
| Montreal Telegraph Co..... | Telegrams..... | 48 02 | |
| Dominion do..... | do | 29 15 | |
| A. F. Wallbridge..... | Postages..... | 13 84 | |
| Thomas Reno..... | Baskets..... | 2 50 | |
| E. Manning..... | Barrels..... | 1 60 | |
| Wm. Alexander..... | Cotton batting..... | 2 65 | |
| James Wright..... | Tinware..... | 9 83 | |
| Haskins & Sons..... | Fish cans..... | 24 50 | |
| James Wright..... | Galvanized iron tank..... | 25 69 | |
| Wm. Hooper..... | Masonry..... | 10 49 | |
| Bomanville Co..... | Furniture..... | 7 70 | |
| <i>Forest and Stream News-</i> <i>paper</i> | Subscription..... | 5 00 | |
| Professor Baird..... | Expenses on California salmon ova..... | 4 70 | |
| Hall, Kay & Co..... | Galvanized iron..... | 23 85 | |
| A. A. Grantly..... | Taxidermy..... | 16 00 | |
| Alex. Parker..... | Ice..... | 16 00 | |
| John Wilmot..... | Fish eyes..... | 5 25 | |
| J. H. Roffe..... | Painting..... | 40 36 | |
| Wm. Sands..... | Blacksmith's work..... | 28 89 | |
| <i>Land and Water</i> | Newspaper subscription..... | 18 25 | |
| W. R. Clinnie..... | Printing..... | 6 25 | |
| L. St ne..... | California salmon ova..... | 23 25 | 2,403 56 |
| Carried forward..... | | | 5,179 42 |

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

| To whom paid. | Service. | Amount. | Total. |
|--------------------------|---|---------|---------------------|
| | Brought forward..... | \$ cts. | \$ cts. 5,179 42 |
| | FISH-BREEDING.—Continued. | | |
| | <i>Sandwich Establishment, Ontario.</i> | | |
| James Nevin | For 15 months' wages as Caretaker, to 31st Decem- ber, 1877..... | 700 00 | |
| D. Lemonde..... | Wages as Engineer | 274 50 | |
| C. Lemonde..... | Wages as Assistant Engineer..... | 54 00 | |
| James Nevin..... | Disbursements distributing fry..... | 223 35 | |
| Wm. Vandarame..... | Picking ova..... | 6 40 | |
| Wm. Shields..... | do | 32 00 | |
| Alfred Bondy..... | do | 6 00 | |
| Louis Girds..... | do | 6 00 | |
| Albert Roberts..... | do | 11 20 | |
| Fred. Niel..... | do | 12 00 | |
| H. Johnstone..... | do | 20 25 | |
| Arsène Joli..... | do | 24 80 | |
| Albert Youngblood..... | do | 10 50 | |
| Charles Adams..... | do | 21 20 | |
| J. Légaré..... | Collecting ova..... | 13 00 | |
| George Freeman..... | do | 21 25 | |
| Wm. Hill..... | Labour at Fish-Breeding Establishment..... | 73 00 | |
| A. Masters..... | do do | 28 00 | |
| Martin O'Brien..... | do do | 45 00 | |
| Audet & Werry..... | Coal..... | 78 47 | |
| Perreau & Ouellette..... | Lumber..... | 34 70 | |
| Robert Adamson..... | do | 5 00 | |
| Thomas Fox..... | do | 2 12 | |
| Wm. McMahon..... | Spawning fish..... | 36 00 | |
| Haskin & Son..... | Tin fish-hatchers..... | 82 00 | |
| Thomas C. Sutton..... | Sponges, &c..... | 12 40 | |
| S. Hotte..... | Horse hire..... | 14 50 | |
| Detroit Metal Co..... | Iron tubing..... | 27 89 | |
| James Nevin..... | Paraffine varnish..... | 6 50 | |
| Dry Dock Co..... | Iron pipes..... | 20 87 | |
| Thomas Wilson..... | Diver's work putting down pipes..... | 28 00 | |
| D. Lemonde..... | Water for engine..... | 4 30 | |
| George Geeksford..... | Repairs to machinery..... | 3 50 | |
| T. Boismier..... | do do | 13 00 | |
| Samuel Bouffard..... | Cordwood..... | 98 25 | |
| Wm. Wright..... | Sawing wood..... | 18 40 | |
| R. Purser & Son..... | Iron vats..... | 193 02 | |
| Pequenot & Co..... | Hardware..... | 29 20 | |
| James Nevin..... | Oil..... | 20 94 | |
| Wm. Hill..... | Carrying ova..... | 15 50 | |
| H. Moffat..... | Log for pipe..... | 11 12 | |
| T. H. Easton..... | Varnish..... | 2 56 | |
| Thomas Dowe..... | Freight..... | 2 17 | |
| Daniel Lemonde..... | Boat hire..... | 20 00 | |
| Duschesne & Co..... | Patent taps..... | 78 43 | |
| R. Thiser & Son..... | Oil clothes..... | 21 22 | |
| H. E. Edwards..... | Rubber tubing..... | 10 06 | |
| Telegraph Co..... | Telegrams..... | 2 00 | |
| Kerr Bros..... | Stove fixtures..... | 3 45 | |
| Robert Adamson..... | Teaming..... | 8 00 | |
| J. T. McLeod..... | Postage stamps..... | 9 75 | |
| James McKee..... | Rent of grounds..... | 40 00 | |
| H. Petrimoult..... | Boarding men..... | 12 50 | |
| | Carried forward..... | | 2,546 21 |
| | | | 7,725 63 |

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

| To whom paid. | Service. | Amount. | Total. |
|---|---|----------|---------------------|
| | Brought forward..... | \$ cts. | \$ cts. 7,725 63 |
| FISH-BREEDING.—Continued. | | | |
| <i>Tadoussac Establishment, Quebec.</i> | | | |
| Pierre Plourde..... | For twelve months' wages as Caretaker, to 31st March, 1877..... | 308 00 | |
| do | Disbursements distributing fry..... | 13 90 | |
| Faustin Boivin..... | Wages as Guardian, Anse St. Jean Reception House..... | 45 25 | |
| Henry Plourde..... | Labour at Fish-house..... | 36 45 | |
| D. McLaren..... | do do | 25 00 | |
| John Fortin..... | do do | 6 00 | |
| F. Côté..... | do do | 1 40 | |
| Flamand Boulliane..... | do do | 0 50 | |
| Thomas Therrien..... | do do | 0 20 | |
| Alex. Tremblay..... | do do | 0 20 | |
| Mary Tremblay..... | do do | 0 80 | |
| Emma Plourde..... | do do | 1 20 | |
| Denise Tremblay..... | do do | 6 00 | |
| Emélie Lavoie..... | do do | 8 00 | |
| Bell Manning..... | do do | 13 00 | |
| Sophie Tremblay..... | do do | 0 40 | |
| A. Fortier..... | do do | 11 75 | |
| Grégoire Boulliane..... | do Fish Pond..... | 4 65 | |
| Theo. Charron..... | do do | 1 35 | |
| Frs. Boulliane..... | do do | 11 40 | |
| David Therrien..... | do do | 8 40 | |
| Joseph Morin..... | do do | 6 30 | |
| Luc Mallart..... | do do | 12 94 | |
| Thos. Maltais..... | do do | 13 00 | |
| Roger Therrien..... | do do | 5 93 | |
| L. Dufour..... | do distributing salmon fry..... | 7 20 | |
| L. D. Pednault..... | do do | 13 86 | |
| Thos. Therrien..... | do do | 10 50 | |
| Philibert Ottis..... | do do | 6 00 | |
| Joseph Boulliane..... | do do | 2 40 | |
| Donald McLaren..... | do do | 14 54 | |
| L. Lévesque..... | do Caretakers' house..... | 2 00 | |
| Narcisse Simard..... | Tending Petite Ile Fishery..... | 20 00 | |
| Alfred Hovington..... | do do | 2 10 | |
| Jules Boulliane..... | do l'Anse aux Pilotes Fishery..... | 1 13 | |
| Richard Morin..... | do do | 75 18 | |
| Cosac Poitras..... | do Point Rouge Fishery..... | 1 00 | |
| Simon Godreau..... | Services as Boatman..... | 65 33 | |
| Bell Manning..... | do do | 36 00 | |
| Alex. Tremblay..... | do do | 10 67 | |
| Frs. Boulliane..... | do do | 1 80 | |
| Maurice Dumesnil..... | do do | 75 00 | |
| John Gauthier..... | Boat hire..... | 3 00 | |
| Fred. Dufour..... | Expenses transporting fry..... | 32 00 | |
| Joseph Radford..... | do do | 15 50 | |
| Joseph Boucher..... | do do | 4 90 | |
| Octave Tremblay..... | Towing boats with salmon fry..... | 16 00 | |
| St. Lawrence Steamboat Co..... | Passages, freight, &c..... | 77 84 | |
| Walter Rae..... | Freight and express charges on barrels..... | 7 50 | |
| Price Bros..... | Lumber, hardware, &c..... | 376 45 | |
| F. Bourgeois..... | do do | 17 25 | |
| Joseph Radford..... | Shingles..... | 10 40 | |
| | Carried forward..... | 1,452 57 | 7,725 63 |

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

| To whom paid. | Service. | Amount. | Total. |
|--|---|---------------------|---------------------|
| | Brought forward..... | \$ cts. 1,452 57 | \$ cts. 7,725 63 |
| FISH-BREEDING.—Continued. | | | |
| <i>Tadoussac Establishment, Quebec.—Continued.</i> | | | |
| J. Jourdain | For Shingles | 3 60 | |
| Nicholas Gauthier | do | 3 00 | |
| André Boulet | Carpenters' work..... | 4 45 | |
| Fabien Côté..... | do | 8 22 | |
| Burelien Lavoie..... | do | 5 40 | |
| Jules Tremblay..... | Blacksmiths' work..... | 7 48 | |
| Napoleon Rouleau..... | do | 1 85 | |
| Joseph Bélanger..... | Wages and board as Special Guardian..... | 247 55 | |
| Joseph Dion..... | do | 195 50 | |
| Laurent Lévesque..... | Board as | 7 50 | |
| E. Lacroix..... | do | 22 50 | |
| Flavien Tremblay..... | Flat for Petite Ile Fishery..... | 6 00 | |
| Wm. Parker | Travelling disbursements to Newcastle..... | 20 00 | |
| F. Seifert | Thermometer..... | 1 75 | |
| Joseph Perron..... | Repairs | 1 80 | |
| O. Boulliane..... | Supplies..... | 4 80 | |
| H. Ottis..... | Night watching..... | 1 80 | |
| J. Jourdain..... | Seining trout, Ste. Marguerite..... | 10 00 | |
| Joseph Radford..... | Paid for labor..... | 5 37 | |
| Fraser & Sutherland..... | Water casks and tubs..... | 20 75 | |
| W. H. Laroche..... | Grass seed for grounds..... | 4 60 | |
| Thomas Desbiens..... | Rent of house for Bergeronnes Guardian..... | 3 00 | |
| Pierre Marquis..... | Procuring trout ova..... | 2 00 | |
| Auguste Goudreau..... | Cartage | 1 40 | |
| Onésime Boulliane..... | Hardware | 1 66 | |
| Joseph Boivin..... | do | 28 70 | |
| Damien Tremblay..... | Cleaning Fish-House..... | 0 65 | |
| Cain Tremblay..... | Firewood for Bergeronnes Guardian..... | 0 70 | |
| Joseph Radford..... | Postages and telegrams | 4 25 | |
| John Brown..... | Rope | 7 80 | |
| John Wilmot..... | Survey and plan, Tadoussac Establishment..... | 25 00 | |
| Audet & Robitaille..... | Rope, &c..... | 136 76 | |
| Joseph Radford..... | Allowance for conducting Fish-breeding Establishment from 1st July, 1877, to 30th June, 1878..... | 400 00 | |
| J. M. Tardivel..... | Glass | 4 80 | |
| T. Parent | Lime | 2 60 | |
| P. Stephens..... | Travelling expenses as Special Guardian..... | 10 00 | |
| N. Fitzhenry..... | Paints, oils, &c..... | 61 62 | |
| F. X. Belanger..... | Preserving specimen of fish..... | 27 00 | |
| P. Gauvreau & Bros..... | Codlines..... | 34 90 | |
| D. E. Price..... | Supplying parent salmon for manipulation..... | 271 50 | |
| 3,060 93 | | | |
| <i>Gaspé Basin Establishment, Quebec.</i> | | | |
| P. Vibert..... | For 15 months' salary as Fishery Officer in charge.. | 375 00 | |
| do | Disbursements in connection with Fish-breeding Establishment | 183 99 | |
| Henry Davis..... | Wages as Assistant Caretaker | 349 22 | |
| John Davis..... | Setting and tending salmon-nets..... | 120 60 | |
| F. R. Coffin..... | do | 50 70 | |
| J. B. Coffin..... | do | 18 20 | |
| Benjamin Annett..... | do | 22 10 | |
| Stanislas Bond..... | do | 22 10 | |
| S. Davis..... | do | 89 80 | |
| 10,786 56 | | | |
| Carried forward..... | | | |

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

| To whom paid. | Service. | Amount. | Total. |
|------------------------------|--|---------|-----------|
| | | \$ cts. | \$ cts. |
| | Brought forward..... | | 10,786 56 |
| | FISH-BREEDING.—Continued. | | |
| | <i>Gaspé Basin Establishment, Quebec.—Continued.</i> | | |
| F. Annett..... | For supplying parent salmon..... | 8 75 | |
| John Coffin..... | Distributing salmon-fry..... | 32 25 | |
| Robert Coffin..... | do..... | 47 25 | |
| Joseph Cass..... | do..... | 45 75 | |
| Felix Annett..... | do..... | 34 00 | |
| Peter Miller..... | do..... | 34 00 | |
| Alfred Davis..... | do..... | 63 00 | |
| W. C. Davis..... | do..... | 52 50 | |
| James Coffin..... | do..... | 6 00 | |
| James Slatin..... | Assistance..... | 27 70 | |
| Alfred Davis..... | do..... | 18 00 | |
| J. S. Davis..... | do..... | 39 00 | |
| W. C. Davis..... | Labor..... | 21 50 | |
| J. E. Collas..... | Paint, oil, rope, hardware..... | 82 34 | |
| J. Leboutillier & Co..... | Salmon twine, hardware, &c..... | 44 67 | |
| J. Eden & Son..... | Nets, rope, freight, &c..... | 19 24 | |
| James Beattie..... | Hardware..... | 2 30 | |
| Wm. Carter..... | Grappnels..... | 4 00 | |
| Hall, Kaye & Co..... | Perforated zinc..... | 6 72 | |
| Wm. Shanley..... | Making fence..... | 18 07 | |
| Widow C. Coffin..... | Making and repairing nets..... | 25 50 | |
| John Ross..... | Salmon net..... | 6 00 | |
| J. S. Davis..... | Building dam..... | 132 00 | |
| M. A. Montgomery..... | Views of Fish-breeding Establishment..... | 8 00 | |
| Joseph N. Lavoie..... | Copy of deed..... | 1 45 | |
| George Coffin..... | Carting salmon ova..... | 27 50 | |
| Wm. Howe..... | Horse-hire..... | 4 40 | |
| Joseph Cass..... | Carpenter's work..... | 11 10 | |
| Frs. LeBrun..... | Casks..... | 0 85 | |
| Joseph Eden..... | Coal..... | 13 50 | |
| | <i>Restigouche Establishment, Quebec.</i> | | 2,069 05 |
| John Mowat..... | For 12 months' salary as Fishery Officer in charge..... | 300 00 | |
| do..... | Disbursements in connection with distribution of salmon fry, &c..... | 262 40 | |
| Joseph Beaulieu..... | Wages as Caretaker..... | 320 00 | |
| James McMillan..... | Distributing fry..... | 4 00 | |
| Wm. Robertson..... | do..... | 28 00 | |
| Moore & Gracey..... | do..... | 24 00 | |
| Wm. Robertson..... | Catching salmon..... | 65 00 | |
| James Miles..... | do..... | 39 00 | |
| A. Mowat..... | do..... | 20 00 | |
| John Hearn..... | do..... | 30 00 | |
| John Mowat..... | Hire of horses and scow..... | 48 00 | |
| Thomas Copeland..... | Carpenter's work..... | 34 50 | |
| Alex. Ferguson..... | do..... | 25 00 | |
| James Lee..... | Cans..... | 16 00 | |
| Shields Connors..... | Sockets for nets..... | 3 00 | |
| D. Frazer..... | Horse hire..... | 20 00 | |
| J. Mowat..... | Building retaining dam at Indian house..... | 188 00 | |
| American Net & Twine Co..... | Salmon twine..... | 109 97 | |
| A. Asker..... | Stove pipes..... | 4 00 | |
| John Ferguson..... | Boat..... | 15 00 | |
| | Carried forward..... | | 1,555 87 |
| | | | 14,411 48 |

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

| To whom paid. | Service. | Amount. | Total. |
|----------------------------|--|---------|----------------------|
| | Brought forward..... | \$ cts. | \$ cts. 14,411 48 |
| | FISH-BREEDING.—Continued. | | |
| | <i>Bedford Basin Establishment, Nova Scotia.</i> | | |
| A. B. Wilmot..... | For 13 months' salary as Officer in charge..... | 866 58 | |
| do | Disbursements distributing fry, &c. | 691 53 | |
| F. G. Tolson..... | Labour as Assistant at Bedford Fish-Breeding Establishment..... | 345 00 | |
| George Reeves | Labour at Bedford Fish-Breeding Establish- ment..... | 45 00 | |
| John Tolson..... | do do | 16 00 | |
| S. Hefler | do do | 5 00 | |
| J. H. Anderson..... | do do | 36 85 | |
| John Eastwood..... | do do | 14 00 | |
| Alex. Patrick..... | Catching and guarding salmon..... | 80 00 | |
| O. K. Fillmore..... | do do | 125 10 | |
| Anderson & Bayers..... | do do | 190 00 | |
| A. Tolson..... | Cartage of salmon fry, &c..... | 145 31 | |
| Wm. Moore..... | do do | 20 50 | |
| T. Walsh..... | Glassware, paint, oil, &c..... | 38 14 | |
| Smith & Co..... | Tinware..... | 70 04 | |
| W. H. Smith..... | Breeding tubs | 12 00 | |
| P. Welsh..... | Wire cloth netting | 13 40 | |
| Black Bros. & Co..... | do | 3 75 | |
| Theakston & Angevin..... | Hardware..... | 39 19 | |
| J. J. Hingley..... | do | 8 38 | |
| J. Hamilton..... | Lumber..... | 6 98 | |
| Moir & Co..... | do oil, &c..... | 19 42 | |
| James Dempster..... | do | 23 00 | |
| W. Roche, jun..... | Coal..... | 54 00 | |
| J. Mitchell..... | Hauling coal..... | 6 00 | |
| R. Anderson..... | Freight on coal..... | 12 00 | |
| J. W. Currie..... | Lamp chimneys and oil | 9 68 | |
| Oxford Wooden Co..... | Wooden ware..... | 20 00 | |
| B. W. Fultz..... | Making boxes..... | 33 00 | |
| W. L. Lowell & Co..... | Paraffine varnish | 8 82 | |
| A. B. Wilmot..... | Freight on varnish. | 1 83 | |
| H. M. Customs..... | Import duty..... | 1 85 | |
| W. Tolson..... | Paper, oil, &c..... | 7 50 | |
| C. F. Miller..... | Ice..... | 6 00 | |
| P. Mitchell..... | Hauling gravel..... | 5 00 | |
| J. E. Wilson..... | Pumps | 11 15 | |
| Joseph Eastwood..... | Picking ova | 10 00 | |
| A. B. Wilmot..... | Horse hire transporting fry | 28 00 | |
| Wm. Moore..... | Board and horse hire | 24 00 | |
| Wood Thompson..... | Rent of land at River Philip | 12 00 | |
| Geo. A. Kent & Co..... | Rubber boots..... | 13 00 | |
| Thomas Conrad..... | Freight on ova | 25 00 | |
| R. H. Cogswell..... | Thermometer..... | 1 50 | |
| Western Union Tel. Co..... | Telegrams | 4 45 | |
| J. P. Connolly..... | Stationery..... | 5 40 | |
| McDonald & Co..... | Connection hose | 3 55 | |
| A. B. Wilmot..... | Nursing tanks, &c..... | 50 00 | |
| C. R. Ingles..... | Tubs and fittings | 29 25 | |
| J. E. Wilson..... | Repairs to stove | 1 85 | |
| A. B. Wilmot..... | Repairs and improvements to Establish- ment..... | 200 00 | |
| | Carried forward..... | | 3,400 00 |
| | | | 17,811 48 |

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

| To whom paid. | Service. | Amount. | Total. |
|-------------------------|---|----------|----------------------|
| | Brought forward..... | \$ cts. | \$ cts. 17,811 48 |
| | FISH-BREEDING.—Continued. | | |
| | <i>Miramichi Establishment, New Brunswick.</i> | | |
| Isaac Sheasgreen..... | For 13 months' salary as Officer in Charge..... | 433 29 | |
| do | Disbursements distributing fry, &c..... | 121 00 | |
| John Hogan | do do | 148 00 | |
| D. T. Johnston..... | do do | 6 00 | |
| John Hogan | Catching salmon | 273 43 | |
| Michael Jordan..... | do | 9 80 | |
| J. Bateman | For catching salmon..... | 3 00 | |
| J. Boucher | do | 3 00 | |
| J. Chamberlain..... | do | 3 00 | |
| J. Sheasgreen..... | do | 6 00 | |
| Ed. Whitney..... | Catching shad | 3 00 | |
| Hector Morrison..... | do | 2 00 | |
| John Walsh..... | do | 5 00 | |
| J. T. Hetherington..... | Labour and nets | 80 00 | |
| James Copp | Labour | 15 00 | |
| James W. Lee..... | Fish cans | 31 00 | |
| K. F. Burns..... | Rope, cordage, &c..... | 10 00 | |
| R. R. Call | Coal | 36 00 | |
| J. Sheasgreen..... | Cartage on coal and sawdust..... | 25 75 | |
| M. Jordan..... | Carting ice..... | 4 20 | |
| Tbos. Harris..... | Horse hire..... | 6 75 | |
| J. D. Weldon | do | 6 50 | |
| D. J. Johnston..... | do | 8 00 | |
| Wm. Brown..... | Lumber..... | 1 95 | |
| Samuel Wilmot..... | Travelling expenses in connection with Miramichi Fish-Breeding Establishment..... | 226 55 | 1,468 22 |
| | GENERAL DISBURSEMENTS. | | |
| G. B. Burland..... | For Printing description and views of Newcastle Fish-Breeding Establishment | 140 00 | |
| A. A. Campbell..... | Lease of fishing privileges, Campbell's Bay | 60 00 | |
| J. Girard | To pay guardians, à Mars River | 193 58 | |
| L. N. Biais | Labour and materials repairing fishway, Matane River..... | 42 39 | |
| James Patton..... | Collecting salmon trout ova..... | 30 00 | |
| C. Barbeau | Freight expenses placing live bass in Campbell's Bay | 52 00 | |
| H. P. Adams | Building fishway, Saugeen River..... | 75 00 | |
| Edwin Turner | do Credit River | 40 00 | |
| B. K. Claire..... | Railway charges on bass for Campbell's Bay | 1 13 | |
| J. Fitzgerald..... | Removing obstructions, Pennant River, N.S..... | 100 00 | |
| H. S. Jost..... | do Petite do | 50 00 | |
| D. Rosa | Travelling expenses as Special Guardian..... | 20 00 | |
| | | | 809 10 |
| | FISHERIES PROTECTION STEAMER "LADY HEAD." | | 20,088 80 |
| Napoleon Lavoie..... | For 12 months' salary as Commander..... | 1,400 00 | |
| do | do Disbursements | 1,448 43 | |
| Pay-list..... | Wages of Sailing Master, Engineers, Mates and crew, as per pay-list | 4,353 11 | |
| | Carried forward..... | 7,201 54 | |

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

| To whom paid. | Service. | Amount. | Total. |
|--|----------------------------------|---------------------|------------------|
| | Brought forward..... | \$ cts. 7,201 54 | \$ cts. |
| FISHERIES PROTECTION STEAMER "LADY HEAD."—Continued. | | | |
| Louis Bourget | Provisions..... | 1,902 21 | |
| G. Bouchard | do | 830 62 | |
| P. Poitras | do | 710 90 | |
| F. X. Grenier..... | do | 614 37 | |
| Joseph Eden | do | 256 35 | |
| L. Arel..... | do | 235 42 | |
| E. D. Dion..... | do | 51 50 | |
| Toussaint & Frères..... | do | 2 80 | |
| F. Plamondon | do Fish | 17 80 | |
| L. Marois..... | do Vegetables..... | 111 65 | |
| L. Arel..... | do Meat | 533 38 | |
| J. A. Eden..... | do do | 34 23 | |
| John Davidson | do Bread | 68 40 | |
| D. Langlois..... | do Milk | 3 47 | |
| Taché & Co..... | do Repaired | 58 56 | |
| G. T. Phillips..... | Repairs | 580 37 | |
| J. M. Tardivel | do | 212 20 | |
| L. Guerard | do | 58 13 | |
| J. Routier..... | do | 49 55 | |
| Joseph Eden..... | do | 15 85 | |
| H. Robillard | do | 2 00 | |
| J. D. Marsan | do | 68 12 | |
| G. H. Gore..... | Cementing..... | 2 50 | |
| C. and W. Wurtele..... | Iron..... | 112 97 | |
| Intercolonial Coal Co..... | Coal..... | 541 80 | |
| F. W. Henshaw..... | do | 366 09 | |
| Wm. Neilson..... | do | 277 20 | |
| A. Fraser & Co..... | do | 1,105 50 | |
| Joseph Eden..... | do | 955 80 | |
| Vale Coal Co..... | do | 174 80 | |
| Audet & Robitaille..... | Ship's stores..... | 758 95 | |
| A. J. Shaw & Co..... | Powder, rubber, &c..... | 320 68 | |
| S. Bédard..... | Kitchen utensils, pipes, &c..... | 169 42 | |
| George Bissett..... | Plugs..... | 2 26 | |
| J. Mulholland..... | Side-lights..... | 8 00 | |
| F. O. Vallerand..... | Lamps, chimneys..... | 44 60 | |
| T. Parent..... | Barrels..... | 13 50 | |
| J. Boivin..... | Paint, brushes, iron..... | 30 50 | |
| Archer & Co..... | Lumber..... | 7 62 | |
| H. Denning & Co..... | do | 6 25 | |
| Whitehead & Turner..... | Tube cleaner..... | 10 00 | |
| Vien, Sorrell & Co..... | Towage..... | 30 00 | |
| T. Routhier..... | Tubs..... | 10 75 | |
| F. Derouin..... | Blocks | 2 50 | |
| J. Boivin..... | Hardware..... | 9 90 | |
| J. M. Dechêne..... | Uniforms for crew..... | 202 38 | |
| do | Blankets, &c..... | 243 95 | |
| N. Lavoie..... | Board..... | 30 00 | |
| Wm. Tait..... | Cotton waste..... | 10 20 | |
| Denning & Webster..... | do | 4 50 | |
| F. J. Thomas..... | Glassware..... | 53 30 | |
| Duquet & Co..... | Clock and barometer | 25 50 | |
| C. E. Holliwell..... | Stationery | 102 20 | |
| Dawson & Co..... | do | 3 70 | |
| Fisher & Blouin..... | Covering for marine glass..... | 3 00 | |
| John Baile..... | Moorage..... | 18 00 | |
| | Carried forward..... | 19,280 66 | ..... |

STATEMENT of Expenditure on account of Fisheries, etc.—*Concluded.*

| To whom paid. | Service. | Amount. | Total. |
|-----------------------|--|----------------------|------------------|
| | Brought forward..... | \$ cts. 19,280 66 | \$ cts. |
| | FISHERIES PROTECTION STEAMER "LADY HEAD."—<i>Concluded.</i> | | |
| Joseph Vandry..... | Oil cloth..... | 14 80 | |
| V. Belanger & Co..... | Olive oil | 464 60 | |
| L. Bourget..... | do | 131 60 | |
| W. H. Laroque..... | Medicines..... | 43 25 | |
| J. W. Marmen..... | Cartage..... | 9 70 | |
| P. Rouillard | Cleaning and mending uniforms..... | 22 50 | |
| | Total..... | | 19,967 11 |

RECAPITULATION.

| | |
|-----------------------------------|--------------------|
| Fisheries, Ontario..... | \$12,723 88 |
| do Quebec..... | 13,662 55 |
| do Nova Scotia..... | 15,292 82 |
| do New Brunswick..... | 10,926 11 |
| do Prince Edward Island..... | 1,836 54 |
| do British Columbia..... | 690 00 |
| do Manitoba..... | 200 00 |
| Fish-Breeding..... | 20,088 80 |
| Fisheries Protection Steamer..... | 19,967 11 |
| Total..... | \$95,387 81 |

 APPENDIX No. 3.

REPORT OF THE CRUISE OF THE GOVERNMENT STEAMER "LADY HEAD" IN THE PROTECTION OF THE FISHERIES OF THE GULF AND RIVER ST. LAWRENCE, DURING THE SEASON OF 1878, UNDER COMMAND OF NAPOLEON LAVOIE, ESQ., FISHERY OFFICER.

L'ISLET, 31st December, 1878.

To the Honorable J. C. POPE,
 Minister of Marine and Fisheries,
 Ottawa.

SIR,—I have the honour to transmit herewith my tenth Annual Report on the result of the cruise of the Fisheries' Protection Steamship "Lady Head" in the waters of the Gulf and Lower St. Lawrence for the past season.

DATE OF THE DEPARTURE OF THE FISHERIES PROTECTION STEAMER FOR QUEBEC.

When the vessel had completed her work in the Fisheries service last fall, she was despatched to Halifax to assist in the lighthouse service during the winter. We took charge of her on the 5th May, and sailed on the 17th from Pictou for the Magdalen Islands, where we arrived on the same evening.

Our cruise in that vessel lasted a little over three months, when she was unfortunately wrecked at Point Jaune, six miles above Fox River, on the south shore of the River St. Lawrence; the cause of this lamentable accident being fully explained in my Reports to your Department, I need not further allude to it here.

During the month of September I visited the north coast, Magdalen Islands and Anticosti, in the steamship "Napoleon III," engaged in the lighthouse service, and in addition to this, visited by land the whole of the south shore and Bay des Chaleurs, from Cape Chatte to Maguasha.

The Magdalen Islands were visited three times, the coast of Labrador twice, Anticosti Island twice, the coast of Gaspé and Bay des Chaleurs twice.

 GENERAL REMARKS ON THE GULF FISHERIES DURING THE SEASON OF 1878.

The ice having disappeared from the Gulf early last spring, the fishing season opened at the usual time.

COD FISHERY.

Cod appeared on the shores of Gaspé and Magdalen Islands during the beginning of the month of May, and at least two weeks earlier on the Labrador coast. The summer fishery was almost everywhere better than that of last season, but the fall fishing was a comparative failure, owing to stormy weather, fog, rain and wind, which prevented fishermen from going out three fourths of the time. On the coast of Labrador, fishermen having seines did exceedingly well, whilst hook and line fishing failed to a great extent, although the fish were very abundant in the Strait of Belle Isle. This failure is accounted for by the fact that cod did not bite readily, owing, no doubt, to the great quantity of food in the sea.

The total catch is, however, above that of last year. It amounts to 290,246 quintals, against 261,222 quintals in 1877, without reckoning 100,000 quintals caught by Dominion and foreign schooners on the coast of Labrador; 30,000 quintals by schooners from Cape Breton fishing around the Magdalen Islands, and about 8,000 quintals caught by Americans in the same waters.

The price of codfish was about fifty cents higher than last year, that is to say from \$3 to \$3.50 a quintal.

SALMON FISHERY.

Salmon fishing was exceedingly good, being considered one of the most remunerative catches since the establishment of the fishery license system. The statistics establish the yield as follows :

| | 1877. | 1878. |
|-------------------------------|---------|---------|
| Salmon, Pickled, brls..... | 2,232 | 2,729 |
| “ Fresh, in ice, lbs..... | 326,548 | 489,786 |
| “ Preserved in cans, lbs..... | 100,605 | 139,574 |

Or about 1,500 barrels more than last year.

The total value is computed as follows:—

| | |
|-----------|----------|
| 1877..... | \$58,207 |
| 1878..... | 78,173 |

Increase..... \$19,966

Pickled salmon sold on the coast of Labrador at from \$7 to \$9 a barrel, but on the coast of Gaspé and Bay des Chaleurs it sold fresh at from three and a half to seven cents a pound. Breeding salmon were reported as being unusually abundant in the rivers last fall.

MACKEREL FISHERY.

As predicted in 1877, mackerel have returned to our shores in their usual numbers. These fish were this season found everywhere in the Gulf, from Godbout to Bonne Esperance on the north coast; around Anticosti, and from Cape Chatte to Bonaventure on the south shore. At Magdalen Islands the catch was heavy, but the fish were of a small size. The statistics establish the total catch at 8,583 barrels against 5,339 in 1877.

A larger number of American vessels visited our shores this year than during the past four or five seasons. Most of them secured good cargoes, especially those who fished around the coast of Gaspé and the north coast from Moisie to Godbout.

HERRING FISHERY.

Although these fish have rather increased than otherwise on our coasts, the statistics, nevertheless, show a large falling off in the total catch. But this is due to the fact that these fish struck so early at Magdalen Islands that foreign schooners arrived too late and were thus prevented from securing full fares. The schooners from Esquimaux Point also failed in their voyage to Newfoundland; but all the fishermen agree in stating that there were more herring in our waters this season than ever before, and to this fact as well as to the reappearance of mackerel, is attributed their success in cod fishing.

The total catch is reckoned at 44,853 barrels against 63,229 in 1877.

HALIBUT FISHERY.

The few halibut reckoned in the fishery statistics are caught when fishing for cod. This pursuit is not carried on in a regular manner. The returns show a catch of 238 barrels against 227 in 1877. Of this amount, 122 barrels were caught at Anticosti. No foreign vessels whatever were this season engaged in halibut fishing.

SEAL FISHING AND HUNTING.

Seal hunting on the ice by schooners was successful this season; the total yield being 26,404 seals against 13,097 killed in 1877 and 9,615 in 1876.

WHALE FISHERY

Only one schooner was engaged in this pursuit during the present season; having brought back 5,600 gallons of oil against 13,716 gallons secured by three vessels last season, including the proceeds of a whale found dead ashore.

I notice in Mr. Joseph Eden's annual report on the trade of Gaspé, a statement to the effect that the old whalers claim the decrease of whales in the Gulf as attributable to the indiscriminate slaughter by modern fishermen of old whales, whereas it was the rule in olden times among Gaspé whalers to kill the calves and spare the dams.

LOBSTER FISHERY.

It will be sufficient to state here that 731,008 pounds of lobsters were put up in cans this season against 450,669 pounds last year, and 245,335 pounds in 1876, to enable any one to understand the immense development of this industry and the dangers to be guarded against for the future.

Taken as a whole, this season's fishing may be called good, at least so far as applies to the yield. With regard to the value, the results are not quite so satisfactory; cod and salmon being the only fish which maintained their price, other kinds having fallen in value.

The following table will show at a glance the increase and decrease in the yield and the value of each particular fishery. For more ample details, the statistics published at the end of each division may be consulted.

COMPARATIVE STATEMENT of the value of the several fisheries in the Gaspé, Bonaventure, Labrador, Magdalen Islands and Anticosti Island Divisions, during the Years 1877 and 1878.

| Kinds of Fish. | Quantities. | | Value. | |
|--|-------------|---------|-----------------|-------------------|
| | 1877. | 1878. | 1877. | 1878. |
| Summer cod fishing..... Qtls. | 223,596 | 253,902 | \$ 1,117,980 00 | cts. 1,269,510 00 |
| Autumn "..... " " | 37,626 | 36,344 | 188,130 00 | 181,720 00 |
| Herrings, pickled..... Brls. | 63,229½ | 44,853 | 316,147 50 | 224,265 00 |
| " smoked..... Boxes. | 700 | 22 | 175 00 | 5 50 |
| Mackerel, pickled..... Brls. | 5,339½ | 8,583 | 53,395 00 | 85,830 00 |
| " preserved in cans..... Lbs. | 960 | 5,136 | 144 00 | 770 40 |
| Haddock..... Qtls. | 248 | 666 | 1,240 00 | 3,330 00 |
| Ling..... " " | 99 | 25 | 495 00 | 125 00 |
| Halibut..... Bbls. | 227½ | 286 | 1,365 00 | 1,716 00 |
| Salmon, pickled..... " " | 2,232½ | 2,729 | 26,790 00 | 32,748 00 |
| " fresh in ice..... Lbs. | 326,548 | 489,786 | 16,327 40 | 24,489 30 |
| " preserved in cans..... " " | 100,605 | 139,574 | 15,090 75 | 20,936 10 |
| " smoked..... Boxes | 1 | ..... | 4 00 | ..... |
| Trout..... Brls. | 276½ | 134 | 2,212 00 | 1,072 00 |
| Eels..... " " | 23 | 17 | 230 00 | 170 00 |
| Sardines..... " " | 60 | ..... | 300 00 | ..... |
| Tunny..... " " | 2 | ..... | 10 00 | ..... |
| Lobsters, preserved in cans..... Lbs. | 450,669 | 731,008 | 67,690 35 | 109,651 20 |
| " fresh..... " " | 5,000 | ..... | 250 00 | ..... |
| Cod tongues and sounds..... Brls. | 234 | 242 | 2,106 00 | 2,178 00 |
| Seal skins..... Pieces | 13,097 | 26,404 | 16,371 25 | 33,005 00 |
| Porpoise skins..... " " | 12 | 1 | 48 00 | 4 00 |
| Seal oil..... Galls. | 58,470 | 111,833 | 29,235 00 | 55,916 50 |
| Porpoise oil..... " " | 95 | 100 | 76 00 | 80 00 |
| Whale oil..... " " | 13,716 | 5,600 | 6,858 00 | 2,800 00 |
| Cod oil..... " " | 224,875 | 211,870 | 112,437 50 | 105,935 00 |
| Fish and clams used as bait and manure Brls. | 181,596 | 91,055 | 181,596 00 | 91,055 00 |
| Fish used for local consumption..... " " | 11,554½ | 10,921 | 46,218 00 | 43,684 00 |
| Total..... | ..... | ..... | 2,202,831 75 | 2,280,996 00 |
| Increase..... | ..... | ..... | ..... | 2,202,831 75 |
| Increase..... | ..... | ..... | ..... | 88,164 25 |

GASPÉ AND BONAVENTURE DIVISIONS.

If we are to believe the traditions reported by early French writers on New France, the coasts of Gaspé were known before the eleventh century.

Father Chrétien Leclerc, who is one of the earliest writers on Canada, remarks that those who first visited Gaspé, noticed the Indians possessed a wonderful knowledge of navigation, and had accurate ideas of a Deity. This knowledge they could only have acquired from northmen from Greenland or Iceland, where extensive fishery establishments formerly existed, and whose inhabitants during the course of their excursions to the southern shores of our continent, had penetrated as far as the coasts of Gaspé. A celebrated Danish professor and archaeologist, Rafu, relying upon tradition and olden history, has even stated in his works that Gaspé was a fishing post frequented and maintained by northmen during the eleventh, twelfth and thirteenth centuries.

Setting aside, however, these legendary traditions, history shows that Cartier visited the coasts of Gaspé as early as 1534, and that by the beginning of the seventeenth century, when Champlain had hardly commenced to found the future capital of New France, and Poutrincourt chosen Port Royal in Acadia as the settlement of a small French colony, fishing stations were already scattered on the coasts of Gaspé. Cargoes of codfish, as well as furs purchased from the Indians for powder and shot, were even at this early date shipped to France. In spite, however, of all the combined natural advantages of the soil and waters, it seems as if this extensive region, which is now denominated Gaspesia, and whose history is, comparatively speaking, of an ancient date, did not follow the march of progress in the same ratio as the rest of our country, under far less favorable circumstances.

Gaspesia is composed of two counties, Gaspé and Bonaventure, with an extent of coast of 224 miles, abundantly frequented during the fishing season by cod, herring, mackerel, salmon and numerous other fish of considerable value and excellent quality. These inexhaustible sources of wealth must have induced the sailors of old France to follow up that coast after discovering it, and soon after we find large fleets of vessels busily employed taking cargoes of fish at Gaspé, Percé and Pabos. The population must have become already numerous, since Bishop de St. Valier visited the place in person, and the early Governors of Quebec used to send there for the purposes of despatching news to France, or procuring provisions. Percé, Pabos and Gaspé were thus the most important localities in the early days of the Colony, both on account of the abundance of fish as well as safe harbors.

I have already alluded, in previous Reports, to the sufferings and hardships of the first settlers scattered on that coast under the French domination. They were often made victims of the continuous wars between France and England during the seventeenth and eighteenth centuries, and vessels of the enemy more than once destroyed at one blow the expectations and wealth of fishermen.

After the conquest, new settlers replaced the French; they were no more exempt from incursions of the enemy, but being courageous and firm, they resisted adversity, and some of them hailing from the Island of Jersey succeeded in founding establishments which still exist, and have become powerful by mastering the wealth of the seas, and acquiring possession of the soil.

To this immigration from Jersey were soon added other people from Canada, Ireland, Scotland, Acadia and U. E. Loyalists, who settled on the coasts of Gaspé and Bay des Chaleurs. Of all, the above merchants being excepted, those only who succeeded in reaching a state of independency, were such as were engaged in farming. Most of the latter are settled on the shores of Bay des Chaleurs. The others, who took to the precarious mode of a fishermen's life, did not succeed as well, and in the course of time found themselves under the yoke of merchants, and were thus prevented from following any other occupation but that of fishing.

One of the principal causes which delayed the colonization of Gaspesia was the absence of communication. Up to 1830, the resident population amounted to only 7,677 souls, but so soon as some means of communication had been opened, emigration

made rapid strides, and in 1850 the population had already swelled up to 21,748 souls. Since then, and especially during the past few years, thanks to the energy and continuous efforts of some of our public men, numerous colonization roads have been opened; steamers now frequent these shores; telegraph lines have overcome distance; travellers appear on all sides, distributing money; business men strive to enlarge the field of their operations; settlers eagerly take hold of a virgin soil; large clearances are made, and people now find in the soil a mode of living which is denied them by the sea. I was enabled this summer, whilst travelling over the Maritime road, to convince myself of the great advantages this means of communication affords colonization. At the various posts scattered along it, where ten years ago there were only a few huts, occupied by poor fishermen, most of the time in danger of being starved during the long winter months, there are now pleasing villages whose inhabitants depend solely upon the farming of their lands for a living. I was enabled, during my journey, to admire the luxuriant crops which meet the eye and ensure prosperity to that portion of our country.

It will thus be seen that, if at the outset the fishing industry occupied the first position in the importance of Gaspesia, agriculture and the lumber trade have opened a new field in this distant land. Let us hope that Gaspesia will soon rival other places, and that improvements, steam communications and telegraph lines will place it on a level with more favored localities.

The past season has been one of the most remunerative kind experienced for a long time on the coast of Gaspé. Crops were good and fishing also. In the County of Gaspé the population is generally employed in fishing. In Bonaventure, where communication is easier and competition more active, the resident population is more addicted to farming. The markets are, besides, handier, produce sells better and settlers are generally better off.

Although there are some establishments in the County of Gaspé for the canning of salmon and lobsters, and that salmon is mostly sold fresh at remunerative prices, the greatest number of canning establishments are located on the shores of Bay des Chaleurs, at Port Daniel, Maria, Pabos and Grand River.

Establishments of this nature create competition, and help the circulation of money in places where they are more numerous. One industry gives rise to another, and if I am to believe the rumor, a French firm intends purchasing salmon on the spot and shipping it in a fresh state. This cannot but give an additional impulse to this fishery.

COD FISHERY.

Of all the different industries carried on on the coasts of Gaspé and Bonaventure, cod fishing undoubtedly ranks first, as well on account of the number of hands employed and the capital invested as by the trade to which it gives rise and the proceeds derived therefrom. About eight hundred men were employed this season fishing on the coasts of Gaspé, and an equal number of hands were engaged on shore in the preparation of the fish. The number of fishing boats and flats is reckoned at 1,812. If, to the value of these small vessels, be added that of larger ones engaged trading or carrying fish to foreign countries, some idea may be formed of the value and importance of the cod fishing industry on these coasts.

Between Cape Chatte and Cape des Rosiers, and from Anse aux Gascons to Bonaventure, fishermen are not in the habit of going far out to fish, whilst those from Point St. Peter to Newport—and especially from Cape Cove to Newport—after attending to spring fishing near the shores, spend the remainder of the season on the Green Banks, Miscou and Orphan Banks, which are situated six, eight or ten leagues outside.

The energy evinced by Gaspé fishermen and the knowledge they display in the management of their small open boats, with twenty or twenty-five feet keel, when going out into the Gulf or anchored during storms which cause anxiety to sailors in large vessels, is a subject of admiration to every stranger. What anxiety is felt in beholding these frail shells battling against winds and stormy seas!

Unfortunately, in spite of all the ability displayed by these fishermen, painful

accidents, wrecks and loss of life have to be recorded. The memory of that terrible storm which made such a large number of orphans among the householders of Bay des Chaleurs is still fresh in the people's hearts. The spot where so many lives were lost has received the appellation of Orphan Bank. Even this year, during a frightful storm which was experienced on the same grounds, four men were drowned, and it is a wonder that three hundred of them did not share a similar fate. It occurred during the latter end of June, and so discouraged our hardy fishermen that for several weeks they hardly dared venture any distance from the shore; but the past was by degrees once more forgotten, and when autumn came they repaired to the banks with as much confidence as heretofore.

Miscou, Green and Orphan Banks are perhaps the best in the world for the abundance of fish, but it will easily be understood from what has been said above, how only a portion of the Gaspé fishermen can take advantage of their wealth, and even then by running the greatest dangers. Should we be willing to do so, however, we have it in our power to make better use of them than Americans and Frenchmen who come from great distances to fish on the same grounds and even on others still more dangerous, taking back wealth and profit to their own countries. Fishermen from the Maritime Provinces and others from Newfoundland understand better their own interests than we do. They are provided with a larger class of vessels, and being thus able to repair to the banks at all times, fare better than our own people. The fact of the matter is, that these vessels alone can be depended upon for reliable success. I visited about forty of them on the banks this summer (the names of which I shall give further on when speaking of Magdalen Islands,) and all of those I met had completed their second cargo. Some liberal-minded Canadians assisted Quebec fishermen this spring and fitted out a vessel for cod fishing on the Moisie banks. The success of that enterprise was only partial, as the vessel left too late; but should this example be followed by others, and with timely preparations, success will be a sure thing.

Of all the known coasts there are none perhaps where the migrations of the cod have been so steady and regular as on those of Gaspé. Certain fallings off have of course been occasionally noticed in some localities or during certain years, but a steady equilibrium has been maintained for hundreds of years, and this is easily understood when the enormous reproductive power of cod and the large extent of our fishing grounds, so abundantly provided with food, is taken into consideration. The absence of the latter may sometimes cause fish to abandon places where they used to be found in abundance; currents, winds and temperature may, in a greater or lesser degree influence the migration of cod and occasion great disappointment and loss to fishermen and outfitters, but under ordinary circumstances fish are almost sure to be found in abundance. Cod is one of the first fish to appear on our shores in the spring, chasing the smaller fish, on which it preys, when not prevented by foreign obstacles such as the ice, which delays its appearance, and unlike other fishes it leaves the shores only when ice forms on the surface of the sea.

During the early part of the seasons of 1876 and 1877 the migration of cod did not follow the usual rules, and although herring and capelin appeared at their proper time on the coasts of Gaspé, cod struck only at the end of June, when bait was becoming scarce. The influence of cold weather had already been observed in connection with the migrations of cod, but the experience of these two seasons was a most convincing fact of this. Whilst this was experienced at Gaspé, codfishing had begun two or three weeks earlier than usual on the north coast, consequent on the Straits of Belle Isle being free from ice during the first days of April. The spring having opened as usual last season, cod struck very early in the Gulf, especially on the coast of Gaspé where the best fishing time is during May and June.

Bait being abundant, cod fishing was generally good from Cape Chatte to Bonaventure. In some localities such as St. Anne des Monts, Gaspé, La Madeleine, Newport and Port Daniel, where there was a great abundance of launce and mackerel, a large increase is apparent over last year's catch. At St. Anne des Monts where fishermen were heretofore compelled to procure thousands of barrels of clams from

the north shore to be used as bait, the reappearance of mackerel saved them considerable delays and additional expense, whilst this season's catch was greatly in excess of that of last year, taking into consideration the number of boats employed. A fisherman of the locality alone caught one hundred quintals of fish.

Cod does not seem to have had any special favorite resorts this season; it was abundant everywhere. The best catch, however, took place as usual from Grand River to Newport; the people of these localities being in the habit of repairing to the banks whence they bring the finest quality of fish. From Cape Chatte to Cape des Rosiers, the catch averaged fifty quintals per boat; but it must be borne in mind that people on that portion of the coast follow farming as well as fishing, so that their time is divided between both occupations, which is certainly no misfortune for them.

Towards the end of the summer it rained for three consecutive weeks, interfering very much with the preparation of fish.

Cod-fishing is carried on on the coast of Gaspé with hand-lines and trawls, most of the fish being caught with the latter apparatus. Some fishermen are opposed to this mode of fishing, and claim that it will ruin our grounds; but I feel inclined to believe that this is a mistake, and that one cause is taken for another. There are just as many fish caught now on the Orphan and Miscou Banks, and on the coast of Newfoundland, where trawls have been in use for years, as there were at the first. I, however, believe that the greater or lesser disposition of cod to bite, depends upon certain physiological causes, and that as many fish are caught with lines as with trawls, all circumstances being equal.

During the month of June, whilst at Magdalen Islands, I examined a boat just coming ashore with codfish. I selected one hundred of the largest fish, and on opening them I found that eighty of these were female fish, and that only two had not yet spawned. These cod had been caught with hand-lines, at a distance of about one mile and a-half from shore. This would go far to prove that cod is more voracious and hungry after depositing its eggs than before, and that no matter what kind of bait is then offered, it is always ready to take it. I made a similar observation some time after at Kegashca, and out of five quintals of cod caught at a distance of eight miles outside, three-fourths were males, and the balance females with and without eggs; thus proving, in my opinion, that in this locality at least, the females had not yet deposited their eggs, and were not voracious. These fish had also been caught with handlines. These observations on my part have not yet, of course, been sufficiently extended to be conclusive, but I intend to further elucidate this matter during the course of next season, if opportunity permits.

Most of the codfish caught at or brought to Gaspé is exported to Italy, Brazil or the West Indies. During a long time our fish met with no competition on these markets, but a few years past Norwegians have been in the habit of shipping a large quantity of fish there. It is, however, inferior in quality to our own, and not as well prepared, and does not always realize as high a price. The profits are nevertheless considered sufficient, because the catching of fish and its transport to foreign markets costs very little in Norway.

In 1876, the fish sold at an unusually high price on the coasts of the Gulf, but the heavy losses which merchants experienced caused it to fall to the lowest possible rate in 1877. It is difficult to ascertain prices on foreign markets during the past winter, merchants, as a rule, being rather reticent on this point; but I was informed that prices varied from eight to twelve dollars a tub, which must have left a good margin for profits, when one takes into consideration the prices paid on the spot, and those charged on goods and provisions supplied the fishermen. The usual prices given this season on the coast of Gaspé were from \$3.50 to \$3.75.

Gaspé and Paspébiac are the greatest fish emporiums in this Division. Most of the vessels loading for foreign ports take their cargoes there. A few, however, go to Percé, Cape Cove and Malbaie; but these localities are exposed to sea winds and anchorage is not so safe. Thirty-nine vessels loaded at Paspébiac this season, taking 68,195 quintals of cod to foreign ports. Last year thirty-three loaded there with

65,221 quintals of cod; 2,015 quintals of haddock; 230 barrels of green codfish; 1,904 barrels of herring; 7,805 barrels of cod tongues, and 4,451 barrels of cod oil. At Gaspé twenty-four vessels loaded for foreign countries.

The total quantity of codfish caught in the counties of Gaspé and Bonaventure amounts to 109,282 quintals, against 100,773 in 1877; without reckoning the fish used for local consumption.

RETURN of Vessels engaged in the Fish Trade which took Cargoes at Gaspé in 1878.

| Names of Vessels. | Tons. | Destination. | Contents of Cargo. | Value. | |
|--------------------|-------|---------------------|--------------------------|--------|------|
| | | | | \$ | cts. |
| Dawn | 154 | Rio Janeiro..... | 152 tons Fish..... | 11,912 | 00 |
| Orient Star..... | 95 | Pernambuco..... | 1,533 tubs do | 6,946 | 00 |
| Dewdrop..... | 101 | Rio Janeiro..... | 1,566 do do | 9,336 | 00 |
| Brittany..... | 84 | Ancona..... | 2,467 cwt. do | 9,868 | 00 |
| Warrior..... | 93 | Naples..... | 2,010 quintals do | 8,160 | 00 |
| Zouave..... | 126 | do | 2,500 do do | 10,000 | 00 |
| Alliance..... | 115 | do | 2,800 do do | 11,200 | 00 |
| Scud..... | 70 | Civita Vecchia..... | 1,776 do do | 7,104 | 00 |
| Brothers..... | 173 | Rio Janeiro..... | 2,600 tubs do | 15,600 | 00 |
| Graphic..... | 59 | Civita Vecchia..... | 1,841 quintals do | 7,364 | 00 |
| Ocean Queen..... | 149 | Rio Janeiro..... | 2,289 tubs do | 11,395 | 00 |
| Snowdrop..... | 149 | do | 2,400 do do | 15,000 | 00 |
| Village Belle..... | 136 | Bahia..... | 2,065 do do | 10,325 | 00 |
| Gleaner..... | 94 | Lisbon..... | 2,579 quintals do | 10,318 | 00 |
| Undine..... | 74 | Vienna..... | 2,241 do do | 8,976 | 00 |
| Esperance..... | 141 | Bahia..... | 1,940 do do | 11,640 | 00 |
| Critic..... | 96 | Jersey..... | 2,316 do do | 8,900 | 00 |
| Glenfeadon..... | 128 | Lisbon..... | 2,850 do do | 14,250 | 00 |
| Albatross..... | 79 | Jersey..... | 2,316 do do | 9,270 | 00 |
| Standard..... | 93 | do | Fish and oil..... | 7,000 | 00 |
| Dawn..... | 154 | do | do | 11,660 | 00 |
| John Clark..... | 86 | Lisbon..... | 2,266 quintals Fish..... | 9,334 | 00 |
| Cornucopia..... | 155 | Jersey..... | 2,183 tubs do | 13,128 | 00 |
| J. L. B. | 148 | do | 2,000 do do | | |

RETURN of Vessels engaged in the Fish Trade which took Cargoes at Percé in 1878.

| Names of Vessels. | Tons. | Destination. | Contents of Cargo. | Value. | |
|---------------------|-------|-----------------|-------------------------|--------|------|
| | | | | \$ | cts. |
| Heroine | 97 | Barbadoes..... | 1,400 cwt. dry cod..... | 6,000 | 00 |
| Canada..... | 156 | Bahia..... | 2,708 do | 10,835 | 00 |
| G. D. T. | 118 | Pernambuco..... | 1,817 do | 8,750 | 00 |
| Col. Ellsworth..... | 78 | Barbadoes..... | 910 do | 3,650 | 00 |
| Zingara..... | 74 | Brazil..... | 2,780 do | 14,610 | 00 |
| Heroine..... | 97 | Vienna..... | 2,460 do | 12,300 | 00 |
| Canada..... | 156 | Jersey..... | 2,600 do | 10,000 | 00 |

Herring Fishery.

This fishery yielded during the present season 7,373 barrels against 2,756 in 1877. The quantity used as bait for cod-fishing amounted to 9,165 barrels, against 6,955 in 1877; which gives a total yield of 16,538 for 1878. These figures show that in spite of the poor success experienced in 1876 and 1877, herring has returned as abundantly as ever on our shores, a matter of rejoicing, because with the return of herring and mackerel we may rely upon remunerative cod-fishing. These fish were most abundant last spring and summer from Cape Chatte to Carleton, although somewhat scarce at Percé and Point St. Peter.

RETURN of all Ships and Vessels that have entered Inwards, with Fish only,
Season of 1878.

PORT OF NEW CARLISLE.

| Date of Report. | Name of Vessel. | Tons. | Men. | From Whence. | Codfish, in quintals. |
|-----------------|----------------------|-------|------|---------------|-----------------------|
| 1878. | | | | | |
| July 27..... | Hebe..... | 236 | 11 | Labrador..... | 852 |
| Sept. 27..... | Adelina..... | 91 | 6 | do..... | 529 |
| Oct. 2..... | Flying Fish..... | 65 | 4 | do..... | 1,645 |
| do 23..... | Marie Georgiana..... | 98 | 6 | do..... | 527 |
| | | | | | 3,553 |

RETURN of all Ships and Vessels that have Cleared Outwards, with Fish only, Season of 1878.

PORT OF NEW CARLISLE.

| Date of Report. | Name of Vessel. | Tons. | Men. | Where Bound. | Codfish, Dry, in quintals. | Haddock, Dry, in quintals. | Ling, Dry, in quintals. | Codfish, Green, in barrels. | Cod Roes, in barrels. | Herring, Pickled, in barrels. | Herring, Smoked, in boxes. | Cod Sounds, in lbs. | Cod Tongues, in lbs. | Cod Oil, in gallons. | Salmon, in barrels. | Seal Oil, in gallons. | Mackerel, Pickled, in barrels. |
|-----------------|-----------------|-------|------|------------------|----------------------------|----------------------------|-------------------------|-----------------------------|-----------------------|-------------------------------|----------------------------|---------------------|----------------------|----------------------|---------------------|-----------------------|--------------------------------|
| 1878. | | | | | | | | | | | | | | | | | |
| April 30 | Comojo | 95 | 5 | Barbadoes | | | | | | 5 | | | | | | | |
| May 14 | Ranger | 137 | 8 | do | 1,902 | | | | | | | | | | | | |
| do 20 | Diton | 78 | 5 | do | 1,035 | | | | | | | | | | | | |
| do 23 | Wm. Hayes | 160 | 6 | do | | | | | | 1 | | | | | | | |
| do 25 | Hudson | 99 | 5 | do | | | | | | 35 | | | | | | | |
| do 28 | Marie Georgiana | 98 | 6 | do | 157 | | | | | | | | | | | | |
| do 28 | C. R. C. | 248 | 10 | Rio Janeiro | 4,113 | 238 | 23 | | | | | | | | | | |
| do 28 | Tiena | 174 | 5 | Barbadoes | | | | | | 197 | | | | | | | |
| do 31 | Union | 193 | 10 | Brazil | 2,857 | | | | | | | | | | | | |
| do 31 | Hematope | 76 | 5 | Barbadoes | 1,000 | | | | | 8 | | | | | | | |
| June 1 | Ada R. | 123 | 6 | do | | | | | | | | | | | | | |
| do 3 | Keaper | 137 | 8 | do | 1,950 | | | | | | | | | | | | |
| do 11 | Homely | 229 | 10 | do | 1,400 | | | | | | | | | | | | |
| do 12 | Century | 181 | 8 | Brazil and Bahia | 1,631 | 11 | 8 | | | | | | | | | | |
| do 19 | Robin | 150 | 8 | Barbadoes | 1,234 | 12 | | | | | | | | | | | |
| do 27 | Sparston | 320 | 12 | do | 1,518 | 20 | | | | 117 | | | | 4,171 | | 864 | |
| do 28 | Sea Flower | 352 | 13 | Jersey | 10 | | | 10 | | | | | | | | | |
| do 29 | Amelia Adeline | 89 | 5 | Newfoundland | | | | | | 24 | | | | | | | |
| Aug 2 | Marceline | 45 | 3 | Boston | | | | | | 314 | | | | | | | |
| do 14 | Guntie Adelin | 89 | 4 | Newfoundland | 12 | | | | | | | | | | | | |
| do 27 | O. Blanchard | 260 | 10 | Rio Janeiro | 3,452 | 730 | | | | | | | | | | | |
| Sept. 5 | Diton | 78 | 5 | Italy | 1,800 | | | | | | | | | | | | |
| do 5 | Union | 193 | 10 | Rio Janeiro | 3,097 | | | | | | | | | | | | |
| do 10 | Robin | 150 | 8 | do | 2,042 | 348 | | | | | | | | | | | |
| do 10 | Firm | 126 | 6 | do | 2,354 | | | | | | | | | | | | |
| do 14 | Four Brothers | 81 | 4 | Boston | | | | | | 995 | | | | | 25 | | |
| do 23 | Century | 181 | 8 | Rio Janeiro | 2,811 | 58 | | | | | | | | | | | |
| Oct. 12 | Homely | 229 | 10 | do | 3,727 | | | | | | | | | | | | |
| do 15 | Ranger | 137 | 8 | Naples | 2,960 | | | | | | | | | | | | |
| do 15 | Flying Fish | 65 | 4 | Vienna | 1,970 | | | | | | | | | | | | |
| do 23 | Hematope | 76 | 5 | Italy | 1,622 | | | | | | | | | | | | |

RETURN of all Ships and Vessels that have Entered Inwards, Coastways, Season of 1878.

PORT OF NEW CARLISLE.

| Date of Report. | Name of Vessel. | Tons. | Men. | From Whence. | Godsh, Dry, in quintals, | Haddock, Dry, in quintals, | Ling, Dry, in quintals, | Godsh Oil, in gallons, | Godsh, Green, in barrels, | Herring, Pickled, in barrels, | Clams, in barrels. | Oysters, in barrels. | Mackerel, in barrels. |
|-----------------|-----------------|-------|------|----------------|--------------------------|----------------------------|-------------------------|------------------------|---------------------------|-------------------------------|--------------------|----------------------|-----------------------|
| 1878. | | | | | | | | | | | | | |
| May 9 | Epoet | 7 | 2 | Caraget | 203 | | | 80 | | | | | |
| do 9 | Reaper | 130 | 6 | Percé | 5 | | | | | | | | |
| do 20 | Peace | 35 | 4 | Caraget | 766 | | | | | | | | |
| do 20 | Paspébiac | 57 | 7 | Arichat | 467 | | | | | | | | |
| do 21 | Tickler | 96 | 7 | do | 297 | | | | | | | | |
| June 1 | Hare | 23 | 4 | Caraget | 114 | | | | | | | | |
| do 1 | Epoet | 7 | 3 | do | 320 | | | | | | | | |
| do 3 | Robie | 150 | 9 | Arichat | 123 | | | | | | | | |
| do 3 | Epoet | 7 | 7 | Caraget | 886 | | | | | | | | |
| do 11 | Tickler | 96 | 3 | Arichat | 81 | | | | | | | | |
| do 15 | Hare | 23 | 4 | Caraget | 44 | | | | | | | | |
| do 15 | Epoet | 7 | 3 | do | 90 | | | | | | | | |
| do 3 | Adelina | 91 | 6 | Labrador | | | | | | | | | |
| do 8 | Epoet | 7 | 3 | Caraget | 1,165 | | | | | | 25 | | |
| do 19 | Diton | 78 | 5 | North Shore | | | | | | | | | |
| do 29 | Marie Georgiana | 98 | 6 | Percé | 2,057 | | | | | | | | |
| do 29 | Diton | 78 | 5 | Caraget | 1,054 | | | | | | | | |
| do 6 | Tickler | 96 | 7 | Arichat | 606 | 347 | | | | | | | |
| do 9 | Marie Georgiana | 98 | 7 | Percé | 576 | | | | | | | | |
| do 9 | Swallow | 34 | 4 | Margaree, C.B. | 823 | | | | | | | | |
| do 28 | Marie Georgiana | 98 | 6 | Percé | 1,372 | | | | | | | | |
| do 28 | Ranger | 137 | 7 | Caraget | | | | | | | | | |
| Oct 1 | Replevin | 7 | 2 | do | | | | | | | | | |
| do 7 | Epoet | 7 | 2 | do | 220 | | | | | | | 1 | |
| do 16 | Replevin | 7 | 2 | do | 115 | | | | | | | 4 | |
| do 16 | Replevin | 7 | 2 | do | 137 | | | | | | | | |
| do 21 | Replevin | 7 | 2 | do | 206 | | | | | | | | |
| do 21 | Epoet | 7 | 2 | do | | | | | | | | | |
| do 23 | Replevin | 7 | 2 | do | | | | | | | | | |
| do 25 | Epoet | 7 | 2 | do | 160 | | | | | 55 | | | |
| do 26 | Replevin | 7 | 2 | do | | | | | | | | | |
| do 26 | Ellen Mary | 86 | 5 | Arichat | 476 | 465 | | | | | | | 47 |

| | | | | | | | | | | | | | | | | | | |
|--------|----------------------|----|---|--------|-----|----|-----|----|----|----|----|--|--|--|--|--|--|--|
| do 29 | Epopt..... | 7 | 2 | | | | | | | | | | | | | | | |
| do 29 | Replevin..... | 7 | 2 | | | | | | | | | | | | | | | |
| do 31 | Marie Georgiana..... | 98 | 6 | | | | | | | | | | | | | | | |
| Nov. 4 | Epopt..... | 7 | 2 | 850 | | | | | | | | | | | | | | |
| do 4 | Hare..... | 23 | 3 | 160 | | | | | | | | | | | | | | |
| do 8 | Epopt..... | 7 | 2 | 24 | | | | | | | | | | | | | | |
| do 14 | Epopt..... | 7 | 2 | | | | | | | | | | | | | | | |
| do 18 | Epopt..... | 7 | 2 | | | | | | | | | | | | | | | |
| | | | | 13,817 | 812 | | | | | | | | | | | | | |
| | | | | | 80 | 20 | 218 | 25 | 97 | 33 | 50 | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

RETURN of all Ships and Vessels that have Entered Outwards, Coastways, Season of 1878.

PORT OF NEW CARLISLE.

| Date of Report. | Name of Vessel. | Tons. | Men. | Where Bound. | Dry Codsh, Quin- tals. | Cod Oil, Gallons. | Codsh, Green, Barrels. | Herring, Pickled, Barrels. | Herring, Smoked, Boxes. | Canned Lobsters, Boxes. | Canned Salmon, Boxes. | |
|-----------------|-------------------|-------|------|----------------|---------------------------|-------------------|---------------------------|-------------------------------|----------------------------|----------------------------|--------------------------|------------------|
| 1878, | | | | | | | | | | | | |
| May 27..... | Chatham Head..... | 24 | 2 | New Mills..... | ..... | ..... | ..... | ..... | ..... | 130 | ..... | 4 doz. each box. |
| June 4..... | do..... | 24 | 2 | do..... | ..... | ..... | ..... | ..... | ..... | 50 | ..... | do |
| do 6..... | Ripple..... | 21 | 3 | Pictou..... | ..... | ..... | ..... | ..... | 35 | ..... | ..... | ..... |
| do 7..... | Chatham Head..... | 24 | 2 | New Mills..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| do 7..... | Mary..... | 23 | 3 | Pictou..... | ..... | ..... | ..... | ..... | 30 | ..... | ..... | ..... |
| do 13..... | Chatham Head..... | 24 | 2 | New Mills..... | ..... | ..... | ..... | ..... | ..... | 100 | ..... | ..... |
| do 21..... | do..... | 24 | 2 | do..... | ..... | ..... | ..... | ..... | ..... | 300 | ..... | ..... |
| July 4..... | do..... | 24 | 2 | do..... | ..... | ..... | ..... | ..... | ..... | 225 | ..... | ..... |
| do 10..... | do..... | 24 | 2 | do..... | ..... | ..... | ..... | ..... | ..... | 25 | ..... | ..... |
| do 20..... | do..... | 24 | 2 | do..... | ..... | ..... | ..... | ..... | ..... | 200 | ..... | ..... |
| do 20..... | do..... | 24 | 2 | do..... | ..... | ..... | ..... | ..... | ..... | 60 | ..... | ..... |
| do 23..... | Ripple..... | 21 | 3 | Arichat..... | ..... | ..... | ..... | ..... | 20 | ..... | ..... | ..... |
| do 25..... | Chatham Head..... | 24 | 2 | New Mills..... | ..... | ..... | ..... | ..... | ..... | 300 | ..... | ..... |
| Aug. 31..... | Mary..... | 22 | 3 | Pictou..... | ..... | ..... | ..... | 200 | ..... | ..... | ..... | ..... |
| Sept. 7..... | Chatham Head..... | 24 | 2 | New Mills..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Oct. 5..... | Wallace..... | 10 | 2 | do..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| do 7..... | Jas. Lewis..... | 5 | 1 | do..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| do 12..... | Wallace..... | 10 | 2 | do..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| do 16..... | Chatham Head..... | 24 | 2 | do..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| do 23..... | Anna Bella..... | 72 | 5 | Quebec..... | 5 | 200 | 300 | ..... | ..... | 201 | ..... | ..... |
| | | | | | 5 | 200 | 300 | 200 | 85 | 2,361 | ..... | ..... |
| | | | | | 5 | 200 | 300 | 200 | 85 | 2,361 | ..... | 818 |

RETURN showing the Number and Value of Ships and Vessels owned and engaged in the Fish Trade, in the County of Bonaventure, from Maguachie Point to Paspebiac Point, during the Season of 1878.

| Names of Firms in which Vessels are engaged. | Name of Place. | Name of Vessel. | Tons. | Amount |
|--|-------------------|----------------------|-------|------------|
| | | | | \$ cts. |
| Clarence Hamilton & Co..... | New Carlisle..... | Isabella..... | 45 | 2,000 00 |
| Chas. Robin & Co..... | Paspebiac..... | Centuary..... | 181 | 9,000 00 |
| do..... | do..... | Ranger..... | 137 | 6,000 00 |
| do..... | do..... | Sea Flower..... | 352 | 18,000 00 |
| do..... | do..... | Diton..... | 78 | 4,000 00 |
| do..... | do..... | Robin..... | 150 | 7,000 00 |
| do..... | do..... | O. Blanchard..... | 260 | 13,000 00 |
| do..... | do..... | "85"..... | 139 | 6,060 00 |
| do..... | do..... | Reaper..... | 137 | 6,000 00 |
| do..... | do..... | Homely..... | 129 | 11,000 00 |
| do..... | do..... | C. R. C..... | 248 | 12,000 00 |
| do..... | do..... | Union..... | 193 | 10,000 00 |
| do..... | do..... | Hematope..... | 76 | 3,500 00 |
| do..... | do..... | Poace..... | 35 | 800 00 |
| do..... | do..... | Beaver..... | 28 | 620 00 |
| do..... | do..... | Epopt..... | 12 | 400 00 |
| do..... | do..... | Paspebiac..... | 57 | 3,000 00 |
| do..... | do..... | Replevin..... | 7 | 200 00 |
| do..... | do..... | Providence..... | 48 | 1,500 00 |
| do..... | do..... | Swallow..... | 34 | 1,500 00 |
| do..... | do..... | Hare..... | 23 | 1,000 00 |
| do..... | do..... | Tickler..... | 96 | 6,000 00 |
| do..... | do..... | Ant..... | 53 | 3,000 00 |
| do..... | do..... | Fly..... | 9 | 200 00 |
| do..... | do..... | Nova Scotia..... | 49 | 1,200 00 |
| do..... | do..... | Etoile de Matin..... | 71 | 2,130 00 |
| do..... | do..... | A. W. C..... | 55 | 1,600 00 |
| do..... | do..... | Patress..... | 181 | 8,000 00 |
| do..... | do..... | Ellin Mary..... | 65 | 3,500 00 |
| do..... | do..... | John Bull..... | 16 | 450 00 |
| | | | 2,919 | 140,600 00 |
| LeBoutillier Brothers..... | do..... | Sharston..... | 320 | 15,000 00 |
| do..... | do..... | Lady Young..... | 106 | 5,000 00 |
| do..... | do..... | Marie Georgiana..... | 98 | 3,920 00 |
| do..... | do..... | Hebe..... | 236 | 9,440 00 |
| do..... | do..... | Industry..... | 143 | 6,000 00 |
| do..... | do..... | Firm..... | 128 | 5,040 00 |
| do..... | do..... | Glenar..... | 59 | 2,360 00 |
| do..... | do..... | Bismark..... | 19 | 700 00 |
| do..... | do..... | G. D. T..... | 65 | 2,600 00 |
| do..... | do..... | Adelina..... | 91 | 3,600 00 |
| do..... | do..... | Regala..... | 59 | 2,360 00 |
| do..... | do..... | St. Breara..... | 99 | 3,960 00 |
| | | | 1,421 | 59,980 00 |

Lobster Fishery.

Wise laws have been enacted by the Department for the protection of this industry, and during two seasons, the local fishery overseers were engaged enforcing them.

The slightest acquaintance with the physiology of these crustaceans will convince any one that the carrying out of these laws must have had some good effect, because the simple fact of being compelled to return to the water female lobsters with eggs attached or those under the regular size, or the cessation of fishing during two or three weeks in the middle of summer, must necessarily have saved thousands of parent lobsters from being destroyed and thus kept them for purposes of future reproduction, but unfortunately packers on the one side in their anxiety to reap larger profits, and fishermen on the other who thus experienced inconvenience in being compelled to observe these laws, found some causes of complaint against them, and if I am to judge from the petitions sent to your Department, all sorts of reasons are brought forth to obtain an exemption from compliance with these regulations. Physiological causes are discussed in connection with their adoption; delays and damages occasioned by bad weather are pleaded in order to gain an extension of time and thus escape the close season; another petition speaks strongly in favour of the poor people who are thus compelled to lose a most precious time during the summer season; and with all these excuses some point or another was eventually gained. This year the whole thing gave way, and for one reason or another, this fishing was carried on uninterruptedly from May till October. All regulations tending to protection must necessarily inconvenience to some extent, but experience is there to teach us that they are necessary, and I must say that of all the regulations affecting the lobster fishery, the most efficient in my opinion is the one establishing a close time.

In my last reports I tried to establish that, as the result of my experience and that of several fishermen on various parts of the Gulf Shores, berried lobsters were met with at almost every season of the year from the beginning of spring to the fall, and the same facts were again noticed this season. I also stated that the appearance of lobsters on our shores at earlier or later periods depended upon various circumstances, such as prevailing winds and the temperature of water. I added that, as no fixed close time could surely cover the spawning period of these crustaceans, and that to stop fishing for two or three weeks during the middle of the season would certainly be considered a great hardship, it might possibly be wiser to fix the date when fishing should begin on the tenth of June, and let it terminate on the twentieth of October. This would give fishermen the best period of the season to carry on their industry, because after the middle of October the weather is usually boisterous and fishing becomes uncertain. Anyhow we may feel satisfied of two things; first, that if lobsters are not protected they will be nearly destroyed in a couple of years, and second, that in order to save them a close season is absolutely necessary.

The dates which I now recommend would, I am sure, be acceptable to fishermen, and guarantee that a sufficient number of parent lobsters would thus be saved to ensure an equilibrium in the species on our coasts.

I have already alluded to the rapid increase of lobster canning establishments in previous reports; I shall now return to the subject once more for some additional data.

The first lobster cannery was started in 1874 at Carleton. In 1875 three additional ones were opened at Maria, New Richmond and Bonaventure; in 1877 two others at Port Daniel and Little River, and this season lobster fishing was carried on on a remunerative scale at Newport and Pabos.

The following is a list of the number of pounds of lobsters canned at each establishment.

Maria, 14,112 pounds; Capelin, 35,000; Port Daniel, 100,000; Newport, 51,000; Grand Pabos, 38,000; and Little River, 1,900. Total, 340,960 pounds, against 173,565 in 1877.

Mr. Holliday, of Quebec, opened a canning establishment at Sandy Beach, Gaspé, in 1875, when he prepared 60,000 pounds of lobsters. Being fully alive to the injurious effect of excessive fishing, and desiring to preserve these grounds so as to be able to rely upon a good yield each year, he took care to fish them with moderation, leaving early in the season and occasionally changing the localities. In 1876, he fished at Sandy Beach and Malbaie, preserving 50,000 pounds of lobsters. In 1877, he fished only at Malbaie, when he canned 43,000 pounds; but this season he operated on new grounds. He caught 74,000 pounds at Seal Cove and 75,000 at Percé; altogether, 149,000 pounds. This gives for the coast of Gaspé a total of 389,012 pounds of lobsters canned.

Mackerel Fishery.

It is with a sensible pleasure that I am able to state in the present Report that this valuable fish, which had become so scarce that our fishery statistics for 1875 and 1876 hardly mentioned it, has reappeared on our shores as abundantly as ever. This happy event is not due to any protective regulation, but to the fact that United States fishing vessels have abandoned our waters for several years past, since they could not find any mackerel there. Their absence produced more good than prohibitory laws would have done.

We had occasion to state in our Report of last year, basing our assertion on the writings of the Canadian Commissioner of Fisheries and those of Professor Hind, that all fish were local, that is to say, abandoned only for a time our shores where they had been attracted in the spring in quest of food, or impelled thereto by the wants of natural reproduction when winter or the temperature of the sea caused them to seek colder water where they could find more abundant food. We also stated that the movements of fish were more or less influenced by the appearance of bait, the prevalence of certain winds, currents and temperature of water. To prove this, we instanced several facts establishing that, during the winter, the fish which then repaired to our coasts did not move far away, and we added that, should these opinions prove to be unfounded, we might reasonably despair for ever to see mackerel and herring frequenting the Canadian shores in sufficient numbers to make fishing a remunerative pursuit. The fancy theories propounded by our neighbors that mackerel was a southern sea fish, and that it appeared only by chance in the waters of the Gulf, have happily no foundation and cannot be maintained in the face of experience and facts. Is it not the case, indeed, that the catch of mackerel was abundant in our waters for consecutive seasons? Did it not fall off by degrees under the exhaustive fishing pursued by fleets of one thousand to twelve hundred sail repairing to all points of the Gulf and carrying destruction and ruin everywhere? Is it not also true that, since United States fishing vessels have disappeared, mackerel has gradually increased every year? The above reasons and the slight increase which was noticed in 1877 led us to expect an abundant catch of mackerel this season; and should American theorists still decline to acknowledge the truth of these opinions they must enquire from their own fishermen who understand these matters better than they do. The latter were satisfied that mackerel fishing would be good this year, and they were on the grounds at the proper time when success crowned their labours and justified their expectations.

American fishermen were, of course, more benefitted by the reappearance of mackerel than our own people, but the returns show that there were more fish caught and prepared than for many years past on our shores. Besides, the abundance of these fish was of the greatest assistance in supplying bait for cod-fishing, especially from Ste. Anne des Monts to Paspebiac. The fishermen of these localities agree in saying that, had it not been for mackerel, the catch of cod would perhaps have been one-fourth less than it was.

Our fishermen fish for mackerel with hand lines, there being only one ordinary seine in use on the north coast. American fishermen use hand lines and purse-seines.

Large schools of mackerel visited the shores of Gaspé as well as those of the north coast this season. About ten schooners entered Gaspé Bay where they took their cargoes; eight others caught 3,500 barrels between Godbout and the Cawees,

and completed their cargoes on the south shore between Ste. Anne des Monts and Magdalen River, whence they took at least 850 barrels to the knowledge of the local fishery guardians. Three hundred schooners repaired to Bay des Chaleurs, and according to the reports of the local Fishery Overseer at Port Daniel, most of them were provided with purse-seines and took full cargoes. It can be easily imagined what terrible havoc these two hundred and fifty purse-seines must make when engaged during two or three consecutive months in sweeping the same grounds. Nothing can escape them, and it is admitted by American fishermen themselves that a schooner making her catch with these fishing engines destroys an equal number of young herring and mackerel. These seines ought, in my opinion, to be forever banished from our waters, and their use especially prevented in the small bays where fish are wont to go for the purpose of depositing their eggs and where they breed and grow.

The above might seem to contradict what I wrote last year as to the use of seines for cod fishing on the coast of Labrador; but I shall proceed to explain the difference in both cases. Were seines not used on that coast, no cod could be caught most of the time, as these fish do not bite during certain seasons of the year, owing to the large quantity of food constantly brought over by the ice, and one might fish for any length of time without taking any fish, although the waters were thick with them. Besides this, the coast of Labrador is the only spot where cod can be seined without any danger arising to the species, and because where food is found, cod is always met with.

Moreover, when cod are met with in shoals at Blanc Sablon, there are no other fish with them, and most of the cod caught with seines are large, merchantable fish. Anyhow, such is the result of my own observations. I might also add that, as cod spawn all over the sea and at all seasons of the year, it is not likely that the use of three or four seines during two or three weeks in a secluded place on the Gulf shore can have any material influence on the number frequenting our waters.

Although the mackerel catch by our people is larger than usual, it still dwindles into insignificance when compared with that of our neighbours; still, this season's yield shows a large increase over that of last year.

The south shore gave 1,242 barrels against, 193 last year, and the north coast 185 barrels, against 28 in 1877, making thus a total catch of 1,425 barrels, against 221 in 1877. Out of the latter number of barrels must be reckoned 183 barrels caught with seines at Meccatina and 80 barrels in a trap-net at Seven Islands.

The permission to set a trap (the most destructive fishing engine known) at Seven Islands was granted by the Department as an experiment. I must state here that I saw with regret the granting of such a license. The locating of this net where it was, at Point a la Chasse, must later or sooner cause a terrible destruction among the fish frequenting this Division. It is true that very few mackerel were caught in it last season; this is not, however, due to the net itself but to the fact that horse mackerel broke through the meshes. Large quantities of small fish of all kinds were destroyed in it, as it was impossible to get rid of them; the owner having no other option but to let them perish at the bottom. The licensee, Mr. Cunningham will not deny these facts, and as he intends setting on a larger scale next season, I hope the Department will take timely notice and not renew his license. The fishermen's reports may be somewhat exaggerated, but I incline to believe, as already stated that bays like those of Seven Islands or Gaspé, which are known to be the resort of young fish, ought to be specially protected and, that no fishing engines of so destructive a nature as trap-nets are known to be, ought to be allowed either at the entrance or near them. Their use might be less objectionable on the open sea coasts or the shores of the Gulf, but they ought to be prohibited in all places where fish resort for spawning and growth.

Mackerel sold at \$7 on the spot this season.

During the course of our cruise I was unable to visit a large number of mackerel vessels, owing to an accident to our steamer at Seven Islands and its subsequent loss on the South Shore. I was informed that an American schooner entered Gaspé on

Sunday, split and cured their fish, and afterwards threw the offals overboard After enquiry from the local Fishery Overseer, Mr. Vibert, I ascertained that this report was incorrect.

I boarded the following vessels in the Gulf:—

| Name of Vessel. | Master. | Port. | Number of Men. | Tonnage. | Boats. | Barrels of Mackerel. |
|------------------------|-----------------|--------------------|----------------|----------|--------|----------------------|
| Mary Witton | Harriston | Booth Bay | 13 | 57 | 4 | 40 |
| Cornet | Felch | Boston | 9 | 33 | 3 | 15 |
| McLeod | Taylor | Provincetown | 13 | 50 | 4 | 5 |
| Good Friend | Judson | Gloucester | 14 | 80 | 4 | 25 |
| Nellie Washburne | Torbay | Booth Bay | 12 | 60 | 3 | 100 |

The crews of these vessels agreed in stating that mackerel were plenty, but that the weather kept so stormy it was almost impossible to fish.

On the north coast I also visited the following vessels:—

| Name of Vessel. | Master. | Port. | Number of Men. | Tonnage. | Nets. | Boats. | Barrels of Mackerel. |
|------------------|---------------|------------------|----------------|----------|---------|--------|----------------------|
| Eureka | Keff | Gloucester | 12 | 50 | 1 seine | 2 | 30 |
| Andrew | Dodge | Barrington | 12 | 50 | 1 do | 2 | 50 |
| Nelle | Molloch | Eastport | 7 | 54 | 1 do | 2 | ..... |
| Ida Pierce | Hawes | Boston | 12 | 90 | 2 do | 2 | 100 |

These vessels had not been long in when I boarded them.

Halibut Fishery.

There is not much to say about halibut fishing, neither our fishermen nor strangers being engaged in it. A few fish may be caught now and then with cod hooks, but that is all. United States fishermen seem to have given up this pursuit entirely in our waters, either to follow it up somewhere else, or because our own grounds are ruined. The statistics show but 46 barrels against 101 in 1877.

Bait.

All the kinds of fish employed in cod-fishing are known under the name of bait. It is an indispensable article, and it is alleged that its destruction is more fatal to cod-fishing than the destruction of cod itself, because the latter which is one of the most voracious fish known, preys upon the smaller kinds of the species, and when these are destroyed cod also disappears. Thanks to the re-appearance of herring and mackerel on our shores this season, bait was generally abundant; it failed partially, however, in some localities, such as Percé and Point St. Peter. No capelin were seen at Ste. Anne des Monts, although thousands of barrels were used last year for manuring purposes. It is not at all improbable that this great destruction may have been the cause of its scarcity this season. The want of bait at Percé often compels owners of large establishments to send to Gaspé for it. This necessitates the employment of a special vessel. In order to be enabled to secure this indispensable article, I am told that the Messrs. Robin intend building a steamer for carrying

bait during the fishing season. This enterprise cannot fail to be remunerative, as large quantities of cod are lost every season for want of bait, and such a vessel could easily supply all the fishermen on the coast of Gaspé.

The following statement shows the quantities of bait used by our fishermen:—

| | Barrels. |
|--------------|----------|
| Capelin..... | 73,639 |
| Herring..... | 14,018 |
| Clams..... | 1,350 |
| Squid..... | 530 |
| Smelt..... | 150 |
| Trout..... | 17 |

I am, however, inclined to believe that these figures are much underrated. Our local fishery officers are not yet well informed as to the approximate quantities of bait required to catch a determined number of cod, and fishermen are unable to supply reliable data on this point.

Proportionally speaking, more bait is used when fishing is bad than when it is good.

Salmon Fishery.

The success experienced in this season's salmon fishing is the crowning work of those who so well understood the wants of our fishermen, and what could be effected by means of reasoning and well applied science. Indeed, this year's results exceed anything that had been experienced since the system of fishing licenses has been put in operation.

This unusual abundance must not, however, lead us to lose sight of the fact that it would be an unwise thing to release our enforcing the laws of protection. Most of the success experienced is undoubtedly due to the observance of wise and timely regulations, and to our artificial breeding establishments which have now been in operation for the past six years; but, it must also be added that the season was exceptionally fine and favorable for salmon fishing; the weather cool and calm, no loss of nets or time; twenty years may occur before such a chance again befalls Gaspé fishermen. When one considers the number of incidental causes which may influence not only each season's fishing, but also the reproduction of salmon in streams, such a dry summer or fall, freshets, ice, drift timber, and other causes which may destroy the best founded expectations, it will easily be admitted that it is safer to wait a few years more before increasing in a sensible manner salmon fishing stations on the coast of Gaspé.

Salmon appeared early in May this year on the coasts of Gaspé, Bay des Chaleurs and Restigouche, and in such abundance that, by the beginning of June some stations had caught more salmon than they did last year during the whole of the season. On the 1st June, Mr. Holliday, who was buying fresh fish at Gaspé Basin had already shipped 250 boxes of salmon to Quebec, against 47 in 1877. It was also noticed that fish had increased in size on the whole of the coast. In Magdalen River and Ste. Anne des Monts divisions where salmon fishing is carried on with greater difficulties on account of winds and storms, 74 barrels of salmon were caught against 52 last year, although there were two stations less. According to the reports made by the local Fishery Overseer, Ste. Anne des Monts River is full of fish, and Mr. Richardson, of the Geological Survey, who had occasion in the course of his work to observe the spawning beds of that stream, says they were literally swarming with breeding fish.

According to information received from the same gentleman, the River Cape Chatte also appears to have a good stock of parent salmon and trout, three times as much as last year; but the local Fishery Overseer states that he found some negogues and other traces of spearing operations on the banks, and I cannot but recommend the placing of a reliable guardian on that stream next season. It is very difficult to protect it efficiently, as there are settlers for twelve miles up along the banks and in

the neighborhood of spawning pools and the occasions for temptation are very great. Ste. Anne River was only angled a few days; this is the reason why there is a slight decrease in the catch. In order to have any success on that stream, anglers should be on the spot early in the spring, because at a later date, when the water gets clear, salmon will not take the fly so readily, although the pools may be full of them.

In Gaspé Bay and the estuaries of rivers, the catch was unprecedented. The statistics show that 507 barrels of salmon were caught against 233 in 1877, and this with five stations less; whilst in 1876 the catch amounted to only 203 barrels. From Point St. Peter to Newport there is a slight falling off; 147 barrels this season against 185 in 1877. The whole catch, with the exception of two barrels and a half, was either canned or shipped fresh to Quebec, Montreal and the United States markets *via* the Gulf Ports steamers or the Intercolonial Railway.

His Excellency Lord Dufferin paid a visit to Gaspé this summer, but being unexpectedly recalled to Quebec he had barely time to enjoy any sport.

Fly-fishing was very good in St. John and Dartmouth Rivers, considering the short time anglers remained there. Eighty-two fish were caught in the first against 64 in 1877, and 73 in the other against 55 during the previous year. The Grand River lessee was very successful, having caught 130 fish against 92 in 1877. I have no returns from York River; the local Fishery Overseer will undoubtedly be able to furnish the figures.

In the Division of Port Daniel, the catch of salmon with nets was above anything experienced until the present season. Fishing began about the 20th May and continued abundant until the end of June, so much so that, although Messrs. Hogg & Co. had made extensive preparations for the canning of fish, they were often at a loss to know how to put up all the salmon that was brought before it spoiled. There were caught among a few stations 203 barrels against 146 in 1877.

In the Cascapedia Division fishing began on the 17th May, and was just as good, if not better, than at Gaspé and Port Daniel. The same quantity of nets caught 789 barrels of salmon against 355 in 1877. These figures speak for themselves and need no further explanations to illustrate the state of improvement our rivers have reached. Fly-fishing on the Grand Cascapedia kept on a par both with regard to the number as well as the size of fish caught. Nine rods caught 279 fish and left fishing on the 17th July. During the month of August, General Warner spent a few days on the river; but the water was too high and he caught only four fish. General Arthur, of New York, caught a salmon weighing fifty pounds, and Mr. Dane, of the same city, one which weighed fifty-six and a half pounds. It is needless to say that with such bright achievements these gentlemen left more than satisfied.

In Little Cascapedia River six fish were killed, but the river was angled only during one day. In 1877 Grand Cascapedia River yielded 331 salmon to 20 rods; Bonaventure River 43, and Little Cascapedia the same number as this season.

When it has been explained how the catch of salmon was unprecedented on the coasts of Gaspé and Bay des Chaleurs, no one will wonder at similar success in Restigouche River, which has always been considered as the best salmon stream in the whole of that district. And as the fishermen of this division are in close proximity to the best markets, the profits are worth looking after. The large quantities of salmon caught on the Quebec, as well as on the New Brunswick sides of the Restigouche, have helped to create and develop new industries, and increased the margin of profits. Besides the advantages arising from the sale of fish in a fresh state, canning establishments and refrigerators have been opened at Campbelltown and Charlot River, which enable purchasers to wait for a rise in prices before sending their fish away, and thus to double their profits.

The quantity of salmon caught this season on the Quebec side of the Restigouche, amounts to 280 barrels, or 56 barrels more than last year, and 6 barrels more than in 1873, which is reckoned the best catch in that river since the establishment of the license system. With the exception of 41 barrels which were salted, the balance was sold fresh, frozen or canned.

Salmon sold at four and a-half cents a pound fresh at Gaspé, and as high as seven cents in Bay des Chaleurs, thanks to competition. Some idea may be formed of the profits realized by several fishermen, when it is reported that Mr. La Billois sold 120,000 pounds of fish; Mr. Stuart, 7,300; Mr. Bailie, 5,700, &c.

The total quantity of salmon caught this season on the coast of Gaspé was 2,146 barrels, against 1,261 in 1877, and 1,222 in 1876.

It is reported that a representative of French firms, one Mr. Lemesurier, visited the coasts of Gaspé and Bay des Chaleurs for the purpose of making contracts with fishermen and purchasing their salmon fresh. It is Mr. Lemesurier's intention to ship fish to France in a fast sailing steamer, so that they may arrive there as fresh as possible, and in the primest possible condition, whilst he claims that the fish will retain all their original flavor and delicacy, owing to a peculiar mode of preservation which they have invented. This will, undoubtedly, give a still greater impetus to that branch of industry.

Should we desire to keep for our salmon rivers the reputation they have earned in foreign countries, and preserve this source of wealth without exhausting it, we must enforce efficient guardianship and protection, and choose good officers for that purpose. I must however declare, to the credit of the service, that it is almost impossible to procure a better staff of Overseers than those we have now. Most of them, indeed, fulfil their important and arduous duties more from a sense of interest in the development of our fisheries than for the sake of the paltry salary attached to the situation, and I am happy to record the fact that, with the exception of a violation of the Sunday clause at Restigouche, a few disregards of the Overseer of the Cascapedia division's instructions relative to the mode of setting nets, one violation of the law at Magdalen River, and perhaps a few other slight irregularities which may have occurred without our knowledge, the law was strictly observed everywhere. This shows that better counsels prevail, and that fishermen now understand their true interests.

FISH-BREEDING ESTABLISHMENTS.

Although the Restigouche and Gaspé hatcheries are not under my immediate supervision, I feel that, as a Fishery Officer, my duty is not only to see to a proper enforcement of the law, but to note also all facts which may more or less influence the progress and development of the fishing industry. In this connection I was naturally led to take a great interest in these experiments, new in our country it is true, but which had been known and practised for years before in France.

When these essays were first tried on the coast of Gaspé they were met with the same sneers and doubts of success on the part of fishermen as when the fishery license system was introduced. The officers who have charge of these establishments, being new in their business naturally met with many difficulties at the start and experienced great disappointments, but success eventually crowned their perseverance, and I am proud to acknowledge that at the present time the hatching establishments of Restigouche and Gaspé, under charge of Messrs. Mowat and Vibert, are a perfect success. Their work must undoubtedly have had something to do with the splendid results experienced in salmon fishing this season, and I hope similar results next year will again confirm my opinion.

I had no opportunity during the past season of visiting the Restigouche Establishment, but I am satisfied, from information given by Mr. Mowat, that everything is in a capital condition.

Two hundred thousand salmon fry were last spring placed in the Bonaventure and Cascapedia Rivers, and there are nearly two millions ova on the hatching troughs at the present date.

Mr. Mowat also placed 5,000 land-locked salmon in Lake Metapedia. The ova were procured from the State of Maine, and hatched in the Restigouche Establishment. Let us earnestly hope that success will crown this experiment, and that these fish will thrive in this beautiful sheet of water, one of the finest to be found anywhere and capable of accommodating thousands of fish.

I had occasion to visit the Gaspé hatching house several times during the spring summer and fall. In 1876 I inspected it during the fall when I counted as many as 900,000 salmon ova on the breeding troughs; during the spring of 1877 I was enabled to satisfy myself that at least ninety per cent of the eggs had matured and produced young salmon. During the fall of 1877, success was equally good, and ninety-five per cent of the ova came to maturity.

I noticed with pleasure the care, attention and cleanliness bestowed by Mr. Vibert on the establishment under his charge. He had on hand in October last, when I visited the place, 1,500,000 ova, which were in the most healthy condition possible. Unless some unforeseen circumstance arises, he will have a fine return of young fish this spring.

Since these establishments have been opened on the coast of Gaspé, I have repeatedly urged the importance of locating one at Ste Anne des Monts. Should it be found impossible to do so, I am sure the fishermen and residents of the locality would take it as a special favor if a few thousands salmon fry could be placed in the Ste. Anne or Cape Chatte rivers, from the Restigouche or Gaspé nurseries.

RESTIGOUCHE INDIANS.

For every summer during the past ten years I have visited twice during the season the village of these Indians, and I have found invariably poverty and want, in spite of the numerous advantages and resources enjoyed by this population. Had they been inclined to cultivate the lands at their disposal, they might have secured independence. Moreover, they receive every year a grant of money from the Government, and for some seasons past they have enjoyed the proceeds of one of the best salmon stations in that neighbourhood. The good wages they earned by hiring themselves to anglers and other incidental opportunities brought a good deal of money among them, which in most instances was shamefully wasted. But all these advantages combined together with the ease with which they could earn money have, up to the present time, been more an opportunity for debauchery than a means of improving the condition of their village and families. In 1877 they indulged in such excess that the sportsmen on the Restigouche decided not to employ them any longer. Frightened by this threat, or perhaps taking better counsel, they have behaved exceedingly well this season. Peace and order prevailed in the village; the Indians who were not employed in the upper part of the river worked on their farms and they reaped a sufficiency for the winter.

RETURN OF FISHING STATIONS, kinds of Vessels,

COUNTY OF

| NAME OF PLACE. | Vessels. | | | Fishing Boats. | | Flat Boats. | | No. of Fishermen. | No. of Shoremen. | Salmon Nets. | | | Cod Seines. | | | Herring Seines. | | | |
|--|----------|-------|--------|-----------------|-----|-------------|-----|-------------------|------------------|--------------|-----|--------|-------------|-----|--------|-----------------|-----|--------|--------|
| | No. | Tons. | Value. | No. of Sailors. | No. | Value. | No. | | | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. |
| | | | | | | | | | | | | | | | | | | | |
| Cape Chatte..... | 2 | 57 | 2800 | 6 | 75 | 3750 | 80 | 960 | 140 | 50 | | | | | | | | | |
| Ste. Anne des Monts | 4 | 200 | 6200 | 14 | 134 | 6700 | 140 | 1680 | 255 | 85 | 1 | 30 | 8 | | | | | | |
| Rivières à Marthe and Marsouis..... | | | | | 12 | 600 | 12 | 144 | 24 | 12 | | | | | | | | | |
| Rivière Claude..... | | | | | 17 | 850 | 13 | 110 | 30 | 12 | 1 | 120 | 40 | | | | | | |
| Rivière à Pierre..... | | | | | 11 | 500 | 6 | 50 | 20 | 7 | | | | | | | | | |
| Mont Louis..... | | | | | 38 | 1850 | 30 | 300 | 76 | 25 | 2 | 230 | 75 | | | | | | |
| Ruisseau des Olives..... | | | | | 10 | 400 | 3 | 25 | 18 | 6 | | | | | | | | | |
| Anse Pleureuse..... | | | | | 6 | 200 | 2 | 16 | 10 | 4 | 2 | 25 | 90 | | | | | | |
| Gros Mâle..... | | | | | 6 | 200 | 6 | 55 | 12 | 4 | 1 | 120 | 40 | | | | | | |
| Manche d'Épée..... | | | | | 9 | 300 | 3 | 30 | 16 | 6 | | | | | | | | | |
| Petite Rivière Ma- deleine..... | | | | | 5 | 175 | 3 | 25 | 8 | 3 | | | | | | | | | |
| Rivière Madeleine..... | | | | | 18 | 900 | 18 | 180 | 36 | 15 | 2 | 240 | 80 | | | | | | |
| Cap à l'Ours..... | | | | | 3 | 100 | 3 | 25 | 6 | 2 | | | | | | | | | |
| Grande Anse..... | | | | | 26 | 900 | 12 | 120 | 52 | 18 | 1 | 100 | 40 | | | | | | |
| Grande Vallée..... | | | | | 3 | 100 | 3 | 30 | 6 | 2 | | | | | | | | | |
| Anse à Collin..... | | | | | 10 | 425 | 7 | 65 | 18 | 8 | | | | | | | | | |
| Petite Vallée..... | | | | | 9 | 300 | 5 | 45 | 18 | 7 | | | | | | | | | |
| Pointe à la Frégate..... | | | | | 7 | 215 | 7 | 75 | 13 | 6 | | | | | | | | | |
| Petite Anse..... | | | | | 11 | 475 | 11 | 100 | 22 | 9 | | | | | | | | | |
| Grand Cloridorme..... | | | | | 8 | 350 | 8 | 80 | 16 | 6 | 1 | 120 | 45 | | | | | | |
| Petit Cloridorme..... | | | | | 13 | 560 | 13 | 130 | 26 | 12 | 1 | 60 | 25 | | | | | | |
| Pointe Sèche..... | | | | | 19 | 1000 | 5 | 50 | 38 | 18 | | | | | | | | | |
| Grand Etang..... | | | | | 10 | 130 | 9 | 85 | 20 | 7 | | | | | | | | | |
| Anse à Valeau..... | | | | | 8 | 350 | 9 | 70 | 16 | 6 | | | | | | | | | |
| Pointe Jaune..... | | | | | 6 | 220 | 6 | 50 | 12 | 4 | | | | | | | | | |
| Echourie..... | | | | | 7 | 120 | 5 | 50 | 13 | 5 | | | | | | | | | |
| Grande Anse..... | | | | | 17 | 860 | 17 | 170 | 32 | 12 | | | | | | | | | |
| Petit Cap..... | | | | | 10 | 440 | 10 | 100 | 20 | 8 | | | | | | | | | |
| Petite Rivière au Renard..... | | | | | 60 | 2700 | 60 | 600 | 120 | 5 | | | | | | | | | |
| Rivière au Renard..... | | | | | 1 | 30 | 1 | 10 | 2 | | | | | | | | | | |
| Anse à Fougère..... | | | | | 52 | 2300 | 52 | 450 | 104 | 45 | 1 | 100 | 40 | | | | | | |
| Anse à Gris Fond..... | | | | | 5 | 200 | 5 | 40 | 4 | 4 | | | | | | | | | |
| Trois Ruisseaux..... | | | | | 6 | 250 | 6 | 50 | 12 | 5 | | | | | | | | | |
| Jersey Cove..... | | | | | 29 | 1200 | 29 | 315 | 58 | 25 | | | | | | | | | |
| Anse à la Louise..... | | | | | 50 | 2200 | 50 | 379 | 100 | 40 | | | | | | | | | |
| Cap des Rosiers..... | | | | | | | | | | | | | | | | | | | |
| Ship Head, Indian Cove and St George's Cove..... | | | | | 24 | 980 | 26 | 185 | 48 | 7 | | | | | | | | | |
| Little Gaspé and Grande Grève..... | 3 | 190 | 5000 | 14 | 39 | 1848 | 40 | 336 | 82 | 29 | 4 | 588 | 280 | | | | | | |
| Cap aux Os and Seal Rock..... | | | | | 6 | 172 | 9 | 65 | 13 | | 5 | 700 | 350 | | | | | | |
| Peninsula..... | 1 | 58 | 1000 | 4 | 8 | 208 | 16 | 136 | 28 | | 9 | 2400 | 700 | | | | | | |
| North-West Bay & River..... | 1 | 44 | 1000 | 4 | 3 | 37 | 12 | 87 | 16 | | 9 | 1930 | 504 | | | | | | |
| South-West Bay & River..... | 2 | 112 | 1806 | 8 | 5 | 200 | 30 | 300 | 20 | | 18 | 3642 | 1080 | | | | | | |
| Gaspé Basin..... | 5 | 283 | 11800 | 23 | | | 9 | 90 | 10 | 65 | 8 | 1790 | 470 | | | | | | |

number of Men, kinds of Nets used, &c., &c.

GASPÉ DIVISION.

NETS AND SEINES.

| No. | Herring Nets. | | Mackerel Seines. | | | Mackerel Nets. | | | Capelin Seines. | | | Lauince Seines. | | | Seal Nets. | | | Brush Fisheries | | Trout Nets. | | |
|-----|---------------|--------|------------------|--------|--------|----------------|--------|--------|-----------------|--------|--------|-----------------|--------|--------|------------|--------|--------|-----------------|--------|-------------|--------|--------|
| | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Value. | No. | Yards. | Value. |
| 82. | 3280 | 1640 | | | | | | | 2 | 110 | 130 | | | | | | | 3 | 90 | 6 | 153 | 40 |
| 180 | 7200 | 9600 | | | | | | | 2 | 150 | 140 | 1 | 30 | 16 | | | | 4 | 120 | 3 | 120 | 28 |
| 12 | 480 | 240 | | | | | | | | | | | | | | | | | | 2 | 75 | 19 |
| 22 | 750 | 300 | | | | | | | | | | | | | | | | | | | | |
| 18 | 600 | 205 | | | | | | | 1 | 40 | 50 | | | | | | | | | | | |
| 76 | 2500 | 900 | | | | | | | 4 | 175 | 150 | | | | | | | | | | | |
| 12 | 400 | 150 | | | | | | | | | | | | | | | | | | | | |
| 8 | 250 | 100 | | | | | | | | | | | | | | | | | | | | |
| 6 | 200 | 75 | | | | | | | | | | | | | | | | | | | | |
| 14 | 500 | 180 | | | | | | | | | | | | | | | | | | | | |
| 4 | 150 | 55 | | | | | | | | | | | | | | | | | | | | |
| 36 | 1550 | 500 | 1 | 60 | 75 | 4 | 140 | 45 | 1 | 55 | 60 | | | | | | | | | | | |
| 41 | 150 | 60 | | | | | | | | | | | | | | | | | | | | |
| 52 | 1875 | 950 | | | | 2 | 60 | 25 | 2 | 60 | 80 | | | | | | | | | | | |
| 6 | 212 | 80 | | | | | | | | | | | | | | | | | | | | |
| 15 | 500 | 190 | | | | | | | | | | | | | | | | | | | | |
| 17 | 575 | 212 | | | | 1 | 35 | 15 | | | | | | | | | | | | | | |
| 14 | 518 | 155 | | | | | | | | | | | | | | | | | | | | |
| 14 | 514 | 175 | | | | 1 | 38 | 14 | | | | | | | | | | | | | | |
| 20 | 675 | 201 | | | | 2 | 60 | 24 | 1 | 40 | 30 | | | | | | | | | | | |
| 22 | 730 | 310 | | | | 6 | 200 | 75 | | | | | | | | | | | | | | |
| 38 | 1625 | 550 | | | | 1 | 30 | 12 | 1 | 45 | 40 | | | | | | | | | | | |
| 20 | 680 | 275 | | | | 1 | 32 | 14 | 1 | 44 | 36 | | | | | | | | | | | |
| 16 | 520 | 200 | | | | 1 | 30 | 12 | | | | | | | | | | | | | | |
| 12 | 400 | 140 | | | | 3 | 110 | 36 | | | | | | | | | | | | | | |
| 9 | 275 | 125 | | | | 2 | 70 | 25 | | | | | | | | | | | | | | |
| 40 | 1700 | 510 | | | | 2 | 72 | 26 | 1 | 40 | 25 | | | | | | | | | | | |
| 20 | 675 | 300 | | | | | | | 1 | 36 | 24 | | | | | | | | | | | |
| 130 | 4000 | 1630 | | | | 10 | 560 | 170 | 6 | 190 | 235 | | | | | | | | | | | |
| 1 | 30 | 12 | | | | | | | | | | | | | | | | | | | | |
| 110 | 3500 | 1200 | | | | 5 | 240 | 100 | 2 | 70 | 75 | | | | | | | | | | | |
| 10 | 300 | 140 | | | | | | | | | | | | | | | | | | | | |
| 12 | 360 | 165 | | | | | | | | | | | | | | | | | | | | |
| 58 | 2100 | 800 | | | | 6 | 212 | 120 | 1 | 40 | 50 | | | | | | | | | | | |
| 100 | 3500 | 1500 | | | | 6 | 210 | 115 | 3 | 140 | 140 | | | | | | | | | | | |
| 41 | 1662 | 522 | | | | 2 | 80 | 16 | 4 | 95 | 99 | 1 | 6 | 24 | | | | | | | | |
| 722 | 2878 | 1274 | | | | 16 | 790 | 203 | 2 | 83 | 35 | 5 | 209 | 158 | | | | | | | | |
| 8 | 324 | 48 | | | | 2 | 88 | 24 | | | | | | | | | | | | | | |
| 4 | 160 | 31 | | | | 1 | 50 | 7 | | | | | | | | | | | | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

COUNTY OF GASPE

| NAME OF PLACE. | Vessels. | | | | Fishing Boats. | | Flat Boats. | | No. of Fishermen. | No. of Shoremen. | Salmon Nets. | | | Cod Seines. | | Herring Seines. | | | |
|-----------------------------------|----------|-------|--------|-----------------|----------------|--------|-------------|--------|-------------------|------------------|--------------|--------|--------|-------------|--------|-----------------|-----|--------|--------|
| | No. | Tons. | Value. | No. of Sailors. | No. | Value. | No. | Value. | | | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. |
| | | | \$ | | | \$ | | \$ | | | | | \$ | | \$ | | \$ | | |
| Sandy Beach and Lobster Cove..... | 7 | 307 | 8800 | 32 | 22 | 715 | 21 | 126 | 47 | 19 | 18 | 4500 | 1300 | | | | | | |
| Douglastown and Seal Cove..... | 1 | 63 | 2000 | 5 | 26 | 1300 | 20 | 200 | 52 | 12 | 10 | 2322 | 800 | | | | | | |
| Ohien Blanc..... | | | | | 24 | 1440 | 18 | 180 | 48 | 24 | | | | | | | | | |
| Point St. Peters..... | 9 | 993 | 46000 | 66 | 65 | 4500 | 31 | 276 | 150 | 99 | 1 | 300 | 80 | | | | | | |
| Malbaie..... | | | | | 47 | 2820 | 27 | 270 | 94 | 62 | 2 | 680 | 200 | | | | | | |
| Belle Anse Cove..... | | | | | 3 | 180 | 3 | 30 | 6 | 3 | 2 | 960 | 400 | | | | | | |
| Barachois River..... | 1 | 24 | 500 | 3 | 40 | 2400 | 15 | 150 | 80 | 30 | 3 | 1500 | 600 | | | | | | |
| Corner Beach..... | 2 | 105 | 3800 | 10 | 22 | 1265 | 27 | 266 | 44 | 22 | 2 | 100 | 72 | 1 | 100 | 72 | | | |
| Cannes de Roches..... | 1 | 61 | 2000 | 5 | 6 | 303 | 6 | 49 | 11 | 6 | | | | | | | | | |
| Percé..... | 1 | 14 | 200 | 3 | 165 | 15490 | 63 | 828 | 332 | 286 | 1 | 150 | 50 | | | | | | |
| Bonaventure Island..... | | | | | 72 | 4860 | 46 | 354 | 155 | 109 | | | | | | | | | |
| Anse à Beau Fils..... | | | | | 35 | 2418 | 21 | 176 | 70 | 33 | | | | | | | | | |
| Cape Cove..... | 4 | 304 | 12200 | 26 | 55 | 3880 | 34 | 324 | 110 | 77 | 1 | 200 | 30 | | | | 1 | 50 | |
| Cap d'Espoir..... | | | | | 14 | 772 | 10 | 78 | 29 | 9 | | | | | | | | | |
| Little River..... | | | | | 33 | 2132 | 13 | 130 | 66 | 25 | | | | | | | | | |
| Grand River..... | | | | | 84 | 5805 | 37 | 436 | 168 | 102 | 3 | 350 | 280 | | | | | | |
| Little Pabos..... | | | | | 53 | 2970 | 22 | 209 | 106 | 64 | 2 | 776 | 630 | | | | | | |
| Grand Pabos..... | | | | | 25 | 1930 | 11 | 108 | 46 | 20 | 3 | 350 | 105 | | | | | | |
| Newport..... | | | | | 83 | 5690 | 33 | 298 | 168 | 106 | 2 | 300 | 100 | | | | | | |
| Total..... | 44 | 2815 | 105100 | 223 | 1670 | 96165 | 1249 | 12351 | 3372 | 1694 | 116 | 24683 | 8574 | 1 | 100 | 72 | 1 | 50 | |

kinds of Nets used, kinds of Fish and Fish Oils, &c., &c.—Continued.

DIVISION.—Continued.

NETS AND SEINES.

| No. | Herring Nets. | | Mackerel Seines. | | | Mackerel Nets. | | | Capelin Seines. | | | Launce Seines. | | | Seal Nets. | | | Brush Fisheries. | | Trout Nets. | | |
|-------|---------------|--------|------------------|--------|--------|----------------|--------|--------|-----------------|--------|--------|----------------|--------|--------|------------|--------|--------|------------------|--------|-------------|--------|--------|
| | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Value. | No. | Yards. | Value. |
| | | \$ | | | \$ | | | \$ | | | \$ | | | \$ | | | \$ | | | | | \$ |
| | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 600 | 200 | | | | | | | | | | | | 2 | 100 | 100 | | | | | | |
| 48 | 1920 | 576 | | | | | | | | | | | | 2 | 100 | 120 | | | | | | |
| 166 | 6640 | 1940 | | | | 4 | 160 | 60 | 4 | 200 | 200 | 1 | 9 | 40 | | | | | | | | |
| 98 | 4100 | 1080 | | | | 11 | 470 | 169 | 8 | 424 | 400 | 7 | 45 | 310 | | | | | | | | |
| 6 | 240 | 60 | | | | 7 | 360 | 108 | 5 | 292 | 215 | 3 | 30 | 120 | | | | | | | | |
| 80 | 3200 | 800 | | | | | | | | | | | | | | | | | | | | |
| 40 | 1090 | 444 | | | | 1 | 60 | 12 | 3 | 180 | 120 | 2 | 18 | 80 | | | | | | | | |
| 10 | 176 | 90 | | | | | | | | | | | | | | | | | | | | |
| 326 | 11506 | 2414 | | | | | | | | | | | | | | | | | | | | |
| 187 | 6714 | 1246 | | | | 12 | 250 | 130 | 11 | 538 | 544 | | | | | | | | | | | |
| 73 | 3920 | 771 | | | | 8 | 166 | 57 | 3 | 157 | 52 | 1 | 6 | 20 | | | | | | | | |
| 144 | 5760 | 1203 | | | | | | | | | | | | | | | | | | | | |
| 35 | 1292 | 338 | | | | 5 | 200 | 38 | 9 | 490 | 188 | | | | | | | | | | | |
| 97 | 3900 | 1365 | | | | 4 | 160 | 34 | 2 | 90 | 22 | | | | | | | | | | | |
| 152 | 5276 | 2429 | | | | 4 | 148 | 40 | 5 | 264 | 128 | | | | | | | | | | | |
| 94 | 3850 | 1353 | | | | | | | | | | | | | | | | | | | | |
| 48 | 1832 | 480 | | | | | | | | | | | | | | | | | | | | |
| 6 | 168 | 93 | | | | | | | | | | | | | | | | | | | | |
| 3612 | 110482 | 42622 | 1 | 60 | 75 | 130 | 5081 | 1726 | 137 | 6331 | 4837 | 27 | 565 | 1024 | ..... | ..... | ..... | 7 | 210 | 11 | 348 | 87 |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Mer,

COUNTY OF

| NAME OF PLACE. | Salmon, barrels, cured. | Salmon, fresh, in ice, lbs. | Salmon, in cans, lbs. | Salmon, smoked, boxes. | Fishing. | | Haddock, quintals. | Ling, quintals. | Halibut, barrels. | Herrings, barrels. |
|---|-------------------------|-----------------------------|-----------------------|------------------------|----------------|----------------|--------------------|-----------------|-------------------|--------------------|
| | | | | | Cod, quintals. | Cod, quintals. | | | | |
| Cape Chatte..... | | | | | 2,350 | 252 | | | | 25 |
| Ste. Anne des Monts..... | 13 | 1,248 | | | 3,465 | 300 | | | 3 | 65 |
| Rivière à Marthe and Marsouis..... | | | | | 500 | 60 | | | | 20 |
| Rivière Claude..... | 10 | | | | 250 | 75 | | | 5 | 20 |
| Rivière à Pierre..... | | | | | 175 | 50 | | | 2 | 20 |
| Mont Louis..... | 7 | | | | 3,000 | 500 | | | 5 | 70 |
| Ruisseau des Olives..... | | | | | 275 | 50 | | | | 30 |
| Anse Pleureuse..... | 13 | | | | 150 | 75 | | | 1 | 14 |
| Gros Mâle..... | 9 | | | | 250 | 80 | | | | 5 |
| Manche d'Epée..... | | | | | 270 | 75 | | | 2 | 15 |
| Petite Rivière Madeleine..... | | | | | 100 | 35 | | | | 16 |
| Rivière Madeleine..... | 10 | 268 | | | 900 | 250 | | | 4 | 12 |
| Cap à l'Ours..... | | | | | | | | | | 4 |
| Grande Anse..... | | | | | 75 | 30 | | | 1 | 20 |
| Grande Vallée..... | 4 | | | | 1,200 | 300 | | | 5 | 4 |
| Anse à Collin..... | | | | | 150 | 30 | | | | 4 |
| Petite Vallée..... | | | | | 400 | 75 | | | | 5 |
| Pointe à la Frégate..... | | | | | 450 | 90 | | | | 32 |
| Petite Anse..... | | | | | 400 | 100 | | | | 8 |
| Grand Cloridorme..... | | | | | 375 | 150 | | | | 20 |
| Petit Cloridorme..... | 4 | | | | 600 | 150 | | | 2 | 6 |
| Pointe Nêche..... | 1 | | | | 700 | 175 | | | | 6 |
| Grand Etang..... | | | | | 1,900 | 100 | | | 4 | 10 |
| Anse à Valeau..... | | | | | 500 | 200 | | | 3 | 15 |
| Pointe Jaune..... | | | | | 350 | 150 | | | | 12 |
| Echourie..... | | | | | 350 | 150 | | | | 25 |
| Grande Anse..... | | | | | 250 | 100 | | | | 10 |
| Petit Cap..... | | | | | 600 | 150 | | | | 18 |
| Petite Rivière au Renard..... | | | | | 500 | 150 | | | 1 | 50 |
| Rivière au Renard..... | | | | | 3,500 | 1,000 | | | | 100 |
| Anse à Pougère..... | | | | | 20 | 10 | | | | 2 |
| Anse à Gris Fond..... | 2 | | | | 2,300 | 900 | | | 6 | 25 |
| Trois Ruisseaux..... | | | | | 150 | 70 | | | | 2 |
| Jersey Cove..... | | | | | 125 | 160 | | | | 3 |
| Anse à la Louise..... | | | | | 800 | 150 | | | | 10 |
| Cap des Rosiers..... | | | | | 1,400 | 500 | | | | 12 |
| Ship Head, Indian Cove and St. George's Cove..... | | | | | 1,181 | 430 | | | | 45 |
| Little Gaspé and Grande Grève..... | | 8,164 | | | 1,909 | 723 | 18 | 5 | | 84 |
| Cap aux Os and Seal Rock..... | | 12,400 | | | 214 | 145 | | | | 4 |
| Peninsula..... | | 27,690 | | | 174 | | | | | |
| North-West Bay and River..... | | 23,336 | | | | | 5 | | | |
| South-West Bay and River..... | | 25,845 | | | | 25 | | | | |
| Gaspé Basin..... | | 17,933 | | | | | 4 | | | |
| Sandy Beach and Lobster Cove..... | | 27,219 | | | 451 | 93 | | | | |
| Douglstown and Seal Cove..... | | 9,659 | | | 700 | 400 | | | | 24 |
| Chien Blanc..... | | | | | 960 | 480 | | | | 90 |
| Point St. Peter..... | 1 | 300 | | | 3,535 | 455 | 5 | | | 49 |
| Malbaie..... | 2 | 3,400 | | | 1,880 | 540 | | | | 3 |
| Belle Anse Cove..... | | 3,500 | | | 120 | 60 | | | | 50 |
| Barachois River..... | | 7,000 | | | 2,000 | 1,400 | | | | 31 |
| Corner Beach..... | | 1,700 | | | 935 | 530 | 3 | | | 92 |
| Cannes des Roches..... | | | | | 136 | 89 | | | | 55 |
| Percé..... | | | | | 6,620 | 2,300 | 5 | 5 | | |

kinds of Nets used, kinds of Fish and Fish Oils, &c., &c.

GASPÉ DIVISION.—Continued.

| Smoked Herring, boxes. | Mackerel, barrels. | Trout, barrels. | Sardines, barrels. | Eels, barrels. | Tunny, barrels. | Cod Tongues and Sounds, brl. | Seals, Whales and Porpoises. | | | | Oils. | | | Fish and Clams used as Bait and Manure. | | | | | | Fish used for local consumption. | | | | |
|------------------------|--------------------|-----------------|--------------------|----------------|-----------------|------------------------------|------------------------------|--------------------|----------------|-------------------|--------------------|------------------|---------------------|---|-------------------|-------------------|-----------------|-----------------|-------------------|----------------------------------|--------|---------|--------|--------------------|
| | | | | | | | No. of Seals. | No. of Seal-skins. | No. of Whales. | No. of Porpoises. | Seal Oil, gallons. | Whale Oil, gals. | Porpoise Oil, gals. | Coal Oil, gallons. | Herring, barrels. | Capelin, barrels. | Smelt, barrels. | Squid, barrels. | Cod Ross barrels. | | Trout. | Launce. | Clams. | Lobsters, in cans. |
| 15 | | | | | | | | | | | | | 840 | 60 | | | | | | | | | 15 | |
| 32 | | | | | | | | | | | | | 1,800 | 110 | | | | | | | | | | 25 |
| | | | | | | | | | | | | | 200 | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | 180 | 50 | | | | | | | | 10 | | 45 |
| 8 | | | | | | | | | | | | | 125 | 50 | 10 | | | | | | | | | 35 |
| 75 | | | | | | | | | | | | | 2,500 | 250 | 10 | | | | | | | | | 112 |
| 2 | | | | | | | | | | | | | 160 | 60 | | | | | | | | | | 30 |
| 5 | | | | | | | | | | | | | 90 | 35 | | | | | | | | | | 20 |
| 11 | | | | | | | | | | | | | 155 | 50 | | | | | | | | | | 36 |
| 8 | | | | | | | | | | | | | 175 | 40 | | | | | | | | | | 50 |
| 4 | | | | | | | | | | | | | 78 | 18 | | | | | | | | | | 35 |
| 10 | | | | | | | | | | | | | 600 | 175 | | | | | | | | | | 50 |
| 2 | | | | | | | | | | | | | 50 | 14 | | | | | | | | | | 9 |
| 4 | | | | | | | | | | | | | 700 | 150 | | | | | | | | | | 60 |
| | | | | | | | | | | | | | 75 | 40 | | | | | | | | | | 12 |
| 4 | | | | | | | | | | | | | 250 | 70 | | | | | | | | | | 30 |
| 3 | | | | | | | | | | | | | 275 | 70 | | | | | | | | | | 36 |
| 2 | | | | | | | | | | | | | 250 | 75 | | | | | | | | | | 22 |
| 4 | | | | | | | | | | | | | 215 | 60 | | | | | | | | | | 28 |
| 5 | | | | | | | | | | | | | 450 | 60 | | | | | | | | | | 45 |
| 10 | | | | | | | | | | | | | 500 | 70 | | | | | | | | | | 35 |
| 3 | | | | | | | | | | | | | 1,000 | 170 | | | | | | | | | | 4 |
| 2 | | | | | | | | | | | | | 350 | 70 | | | | | | | | | | 25 |
| 2 | | | | | | | | | | | | | 250 | 60 | | | | | | | | | | 28 |
| 6 | | | | | | | | | | | | | 260 | 50 | | | | | | | | | | 21 |
| 1 | | | | | | | | | | | | | 170 | 40 | | | | | | | | | | 21 |
| 2 | | | | | | | | | | | | | 350 | 75 | | | | | | | | | | 72 |
| | | | | | | | | | | | | | 300 | 70 | | | | | | | | | | 46 |
| 12 | | | | | | | | | | | | | 2,400 | 500 | | | | | | | | | | 300 |
| | | | | | | | | | | | | | 20 | 2 | | | | | | | | | | 10 |
| 10 | | | | | | | | | | | | | 1,500 | 400 | | | | | | | | | | 275 |
| | | | | | | | | | | | | | 100 | 20 | | | | | | | | | | 27 |
| 8 | | | | | | | | | | | | | 100 | 18 | | | | | | | | | | 45 |
| 10 | | | | | | | | | | | | | 450 | 90 | 6 | | | | | | | | | 80 |
| 4 | | | | | | | | | | | | | 600 | 75 | 10 | | | | | | | | | 150 |
| 28 | | | | | | | | | | | | | 572 | 112 | | | | | | | | | | 10 |
| 14 | | | | | | | | | | | | | 1,114 | 323 | 50 | | | | | | | | | 8 |
| 3 | | | | | | | | | | | | | 151 | 20 | | | | | | | | | | 5 |
| 109 | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | 13 |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | 12 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 344 | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| | | | | | | | | | | | | | 176 | | | | | | | | | | | 7 |
| 10 | | | | | | | | | | | | | 500 | 100 | | | | | | | | | | 5 |
| 23 | | | | | | | | | | | | | 600 | | | | | | | | | | | 7 |
| 20 | | | | | | | | | | | | | 2,370 | 222 | 100 | | | | | | | | | 5 |
| 2 | | | | | | | | | | | | | 1,200 | 125 | 50 | | | | | | | | | 8 |
| 9 | | | | | | | | | | | | | 90 | | | | | | | | | | | 6 |
| 29 | | | | | | | | | | | | | 2,000 | | | | | | | | | | | 12 |
| 6 | | | | | | | | | | | | | 436 | 235 | 273 | 37 | | | | | | | | 5 |
| 115 | | | | | | | | | | | | | 107 | 8 | 80 | 12 | | | | | | | | 2 |
| | | | | | | | | | | | | | 3,829 | 354 | 79 | | | | | | | | | 25 |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

COUNTY OF GASPE

| NAME OF PLACE. | 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. |
|--|-------------------------|-----------------------------|-----------------------|------------------------|-----------------|----------------|--------------------|-----------------|-------------------|-------------------|
| | | | | | Cod, quintals. | Cod, quintals. | | | | |
| Bonaventure Island | | | | | 3,292 | 257 | | | | 34 |
| Anse à Beaufils..... | | | | | 1,798 | 800 | | | | 48 |
| Cape Cove | | 511 | | | 3,014 | 1,571 | | | | 137 |
| Cap d'Espoir | | | | | 446 | 240 | | | | 20 |
| Little River | | | | | 1,942 | 654 | | | | |
| Grand River | | 7,000 | | | 3,642 | 2,250 | | | | |
| Little Pabos | | 6,100 | | | 2,655 | 1,015 | 20 | | | 38 |
| Grand Pabos | | 10,129 | 19,200 | | 1,335 | 575 | 15 | 10 | 2 | |
| Newport..... | | 3,804 | 4,000 | | 3,890 | 1,551 | 156 | | | |
| Fly-fishing—York, St. John and Dartmouth Rivers..... | | 4,740 | | | | | | | | |
| Total..... | 76 | 201,946 | 23,200 | | 71,634 | 23,259 | 232 | 20 | 46 | 1,493 |

| | |
|---|-------------------|
| Fly-fishing:—River Ste. Anne des Monts..... | 1,248 lbs. Salmon |
| do Magdalen | 268 do |
| do York | 2,149 do |
| do St. John | 818 do |
| do Dartmouth..... | 1,740 do |
| do Grand | 2,165 do |
| do Grand Pabos | 190 do |
| | 8,578 |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

COUNTY OF

| NAME OF PLACE. | Vessels. | | | | Fishing Boats. | | Flat Boats. | | | | Salmon Nets. | | | Cod Seines. | | |
|--|----------|-------|--------|-----------------|----------------|--------|-------------|--------|-------------------|------------------|--------------|--------|--------|-------------|--------|--------|
| | No. | Tons. | Value. | No. of Sailors. | No. | Value. | No. | Value. | No. of Fishermen. | No. of Shoremen. | No. | Yards. | Value. | No. | Yards. | Value. |
| | | | \$ | | | \$ | | \$ | | | | | \$ | | | \$ |
| Anse au Gascon | | | | | 52 | 2100 | 20 | 200 | 104 | | 1 | 130 | 50 | | | |
| Anse à la Barbe | | | | | 16 | 600 | 12 | 100 | 30 | | 1 | 120 | 51 | | | |
| Port Daniel | | | | | 42 | 1680 | | | 84 | | 9 | 2775 | 1020 | | | |
| Pointe Loup Marin | | | | | 2 | 80 | 61 | 500 | 65 | | 2 | 330 | 160 | | | |
| Chegouac | | | | | 11 | 440 | 5 | 40 | 22 | | 1 | 200 | 90 | | | |
| Nouvelle | | | | | 32 | 1280 | 10 | 100 | 64 | | | | | | | |
| Paspebiac | | | | | 25 | 1000 | 8 | 80 | 50 | | 1 | 160 | 60 | | | |
| Paspebiac, West Point | 41 | 4340 | 200580 | 249 | 50 | 2500 | 33 | 330 | 100 | 125 | | | | | | |
| New Carlisle | 1 | 45 | 2000 | 4 | 6 | 300 | 6 | 60 | 12 | 4 | | | | | | |
| Grand and Little Bon- aventure | | | | | 58 | 4560 | 58 | 580 | 116 | 60 | | | | | | |
| New Richmond, Cape- lin and Black Cape | | | | | 9 | 324 | 4 | 40 | 18 | 6 | 131 | 3002 | 1347 | | | |
| Maria | | | | | 15 | 568 | 6 | 60 | 30 | 10 | 214 | 7518 | 4102 | | | |
| Carleton | | | | | 9 | 390 | 6 | 60 | 18 | 4 | 180 | 5566 | 2733 | | | |
| Nouvelle | | | | | 5 | 250 | 5 | 50 | 10 | 5 | | | | | | |
| Maguasha | | | | | 1 | 10 | 1 | 10 | 1 | | 63 | 2176 | 1088 | | | |
| Fleurant's Point | | | | | 3 | 60 | 4 | 40 | 4 | | 4 | 1800 | 900 | | | |
| Englishman's Brook | | | | | 1 | 25 | 1 | 1 | 1 | | 1 | 500 | 250 | | | |
| Escuminac Point | | | | | 1 | 10 | 1 | 10 | 1 | | 1 | 400 | 200 | | | |
| Pointe à la Garde | | | | | 2 | 50 | 3 | 30 | 3 | | 2 | 1300 | 650 | | | |
| Battery Point | | | | | 1 | 10 | 1 | 10 | 1 | | 1 | 300 | 150 | | | |
| Little Battery | | | | | 1 | 10 | 1 | 10 | 1 | | 1 | 300 | 150 | | | |
| Oak Point | | | | | 1 | 10 | 1 | 10 | 1 | | 1 | 300 | 190 | | | |
| Cross Point | | | | | 2 | 40 | 3 | 30 | 3 | | 2 | 950 | 475 | | | |
| Mission Point | | | | | 2 | 30 | 3 | 30 | 3 | | 3 | 1800 | 900 | | | |
| Little River | | | | | 1 | 10 | 1 | 10 | 1 | | 1 | 200 | 100 | | | |
| Nets set by 11 settlers above tide-water (Restigouche River) | | | | | | | | | | | 11 | 550 | 274 | | | |
| | 42 | 4385 | 202580 | 253 | 351 | 16072 | 250 | 2455 | 743 | 214 | 631 | 30377 | 14940 | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

COUNTY OF BONAVENTURE

| NAME OF STATION. | Salmon, Cured, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, in cans, lbs. | Salmon, smoked, boxes. | Summer Fishing. | Fall Fishing. | | | | | |
|---|-------------------------|-----------------------------|-----------------------|------------------------|-----------------|----------------|--------------------|-----------------|-------------------|-------------------|------------------------|
| | | | | | Cod, quintals. | Cod, quintals. | Haddock, quintals. | Ling, quintals. | Halibut, barrels. | Herring, barrels. | Smoked Herring, boxes. |
| Anse au Gascon..... | | | 1562 | | 700 | 1500 | | | | 100 | |
| Anse à la Barbe..... | | | 2054 | | 300 | 450 | | | | 80 | |
| Port Daniel and Bay..... | 18 | | 40756 | | 540 | 800 | | | | 550 | 10 |
| Pointe Loup Marin..... | | | 8386 | | 560 | | | | | 160 | 5 |
| Chigouac..... | 2 | | | | 60 | 170 | | | | 120 | 6 |
| Nouvelle..... | | | | | | | | | | | |
| Paspebiac..... | 4 | | | | 1250 | 1460 | | | | 80 | 30 |
| Paspebiac, West Point..... | | | | | 180 | 1250 | 180 | | | 150 | 6 |
| New Carlisle..... | | | | | 108 | 55 | 6 | | | 130 | 80 |
| Grand and Little Bonaventure.. | | | | | 1450 | 522 | 220 | | | 1600 | |
| New Richmond, Capelin and Black Cape..... | | 30800 | 2187 | | 150 | 65 | 12 | | | 1210 | 26 |
| Maria..... | 37 | 76350 | 60429 | | 105 | 56 | 8 | 5 | | 650 | 6 |
| Carleton..... | | 27100 | | | 60 | 30 | 7 | | | 840 | 10 |
| Nouvelle..... | | | | | 50 | 30 | 8 | | | 190 | 6 |
| Maguasha..... | 5 | 25980 | | | | | | | | 20 | |
| Fleurant's Point..... | | 13000 | | | | | | | | | |
| Englishman's Brook..... | | 860 | | | | | | | | | |
| Escuminac Point..... | | 1140 | | | | | | | | | |
| Pointe à la Garde..... | | 7700 | | | | | | | | | |
| Battery Point..... | | 1800 | | | | | | | | | |
| Little Battery..... | | 3000 | | | | | | | | | |
| Oak Point..... | | 800 | | | | | | | | | |
| Cross Point..... | | 17000 | | | | | | | | | |
| Mission Point..... | | 7200 | | | | | | | | | |
| Bourdon Point..... | | 9500 | | | | | | | | | |
| Little River..... | | 500 | | | | | | | | | |
| Nets set by 11 settlers above tide-water (Restigouche River)..... | 41 | | | | | | | | | | |
| Fly-fishing..... | | 31224 | | | | | | | | | |
| | 107 | 253954 | 116374 | ..... | 5513 | 6388 | 441 | 5 | ..... | 5880 | 185 |

kinds of Nets used, kinds of Fish and Fish Oils, &c., &c.—Continued.

DIVISION.—Continued.

| Trout, barrels. | Sardines, barrels. | Eels, barrels. | Tunny, barrel. | Cod Tongues and Sounds. | Seals, Whales and Porpoises. | | | | Oils. | | | | Fish and Clams used as Bait and Manure. | | | | Lobsters, Canned, lbs. | Fish used for local consumption, barrels. | |
|-----------------|--------------------|----------------|----------------|-------------------------|------------------------------|--------------------|----------------|-------------------|--------------------|---------------------|------------------------|-------------------|---|-------------------|-----------------|-------------------------------|------------------------|---|-----------------|
| | | | | | No. of Seals. | No. of Seal-skins. | No. of Whales. | No. of Porpoises. | Seal Oil, gallons. | Whale Oil, gallons. | Porpoise Oil, gallons. | Cod Oil, gallons. | Herring and Mackerel, barrels. | Capelin, barrels. | Smelt, barrels. | Flat Fish and Squid, barrels. | | | Clams, barrels. |
| | | | | | | | | | | | | | | | | | | 140 | |
| | | | | | | | | | | | | 2000 | 300 | 45 | | | | 100 | |
| | | | | | | | | | | | | 700 | 100 | 10 | | | | 100 | |
| | | | | | | | | | | | | 1300 | | 40 | 537 | 100000 | | 160 | |
| | | | | | | | | | | | | 560 | 150 | | | | | 150 | |
| | | | | | | | | | | | | 200 | 600 | 10 | | | | 180 | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 2600 | 1500 | 65 | | | | 200 | |
| | | | | | | | | | | | | 1200 | 206 | 3280 | 160 | 140 | | 243 | |
| 15 | | | | | | | | | | | | 100 | 12 | 1035 | 30 | 4 | | 164 | |
| | | | | | | | | | | | | 1800 | 260 | 600 | 160 | 200 | 100 | 812 | |
| | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | 140 | 12 | 100 | | 25 | 35000 | 569 | |
| | | 15 | | | | | | | | | | 90 | 18 | | | 20 | 14112 | 455 | |
| | | 2 | | | | | | | | | | 43 | | 150 | | 400 | | 336 | |
| | | | | | | | | | | | | 40 | | | | | | | |
| | | | | | | | | | | | | | 11 | | | 15 | | 160 | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 36 | | 17 | | | | | | | | | | 10773 | 1119 | 7215 | 520 | 1137 | 304 | 149112 | 3669 |

| | | | |
|---------------------|----------------------------------|----------|---------|
| Fly-fishing :—River | Bonaventure..... | 665 lbs. | Salmon. |
| do | Little Cascapedia..... | 200 | do |
| do | Grand do..... | 8,173 | do |
| do | Metapedia..... | 3,952 | do |
| do | Upsalquitch..... | 17 | do |
| do | Restigouche, Lower Division..... | 2,887 | do |
| do | do Middle do..... | 9,402 | do |
| do | do Upper do..... | 5,928 | do |
| | Total..... | 31,224 | do |

RECAPITULATION.

YIELD and Value of the Fisheries in Bonaventure Division in 1878.

| Kinds of Fish, &c. | Quantities. | Prices. | | Value. |
|--|---------------------|---------|------|------------|
| | | \$ | cts. | \$ cts. |
| Summer Cod-fishing..... | 5,513 quintals..... | 5 | 00 | 27,565 00 |
| Autumn do | 6,388 do | 5 | 00 | 31,940 00 |
| Herring | 5,880 barrels..... | 5 | 00 | 29,400 00 |
| Mackerel | 185 do | 10 | 00 | 1,850 00 |
| Ling | 5 quintals..... | 5 | 00 | 25 00 |
| Haddock | 441 do | 5 | 00 | 2,205 00 |
| Salmon, pickled | 107 barrels..... | 12 | 00 | 1,284 00 |
| do fresh, in ice | 253,954 lbs..... | 0 | 05 | 12,697 70 |
| do preserved, in cans..... | 116,374 lbs..... | 0 | 15 | 17,456 10 |
| Trout..... | 36 barrels..... | 8 | 00 | 288 00 |
| Eels..... | 17 do | 10 | 00 | 170 00 |
| Lobsters, preserved, in cans..... | 149,112 lbs..... | 0 | 15 | 22,366 80 |
| Cod Oil | 10,773 gallons..... | 0 | 50 | 5,386 50 |
| Fish and Clams used as bait and manure | 10,295 barrels..... | 1 | 00 | 10,295 00 |
| Fish used for local consumption..... | 3,669 do | 4 | 00 | 14,676 00 |
| Total value of the products of the Fisheries in 1878 | | | | 177,605 10 |
| do do do 1877 | | | | 130,715 20 |
| Increase..... | | | | 46,889 90 |

LABRADOR DIVISION.

As already stated in previous reports, this Division comprises more than five hundred miles of coast and extends from Manicouagan to Blanc Sablon, the eastern limit of the Dominion of Canada. It is placed altogether under my immediate supervision.

Although the importance of the north shore, as well as of the coast of Labrador, has vastly augmented of late years, both with regard to its increasing population as well as to the wealth in its waters, sundry places are, however, met with here and there where the inhabitants find a difficulty at times in procuring the necessaries of life; and on so large an extent of coast where no communication exists for at least six months of the year, it can easily be imagined what an amount of suffering settlers have to undergo.

In spite of the abundance of vegetables in 1877 and the successful yield of the cod, salmon and seal fisheries throughout most of the settlements, a good many fishermen were unsuccessful.

Such was the case with those at Esquimaux Point, Betchouan, Kegashca and Whale Head, who, owing to the failure of summer and fall fishing, experienced great difficulties in procuring their necessary supplies for the winter.

In 1875 and 1876, when the cod fishery utterly failed upon that part of the coast extending from Point des Monts to Seven Islands, the population was for want of timely relief reduced to great misery. The only food obtainable during those lengthy spring weeks were clams, which these suffering people would boil, after extracting them with difficulty from the ice and frozen banks of streams. When we paid our usual visit to that part of the coast, these poor people resembled skeletons more than living beings.

The settlers of Esquimaux Point, Kegashca, and Whale Head were more fortunate last spring; they received timely assistance from the Local Government,

which enabled them to wait until the arrival of the first trading vessels. However, about the latter end of June when we visited this part of the coast, most of the families had experienced great want; several fishermen were so weak from privations as to be unable to go out for the purpose of codfishing, thereby losing the best part of the season when fish were very abundant. Most of them were also unprovided with warm clothing with which to protect themselves against the cold rainy weather of spring. Deeply moved by the painful circumstances under which these poor people were labouring, especially those from Kegashca, I deemed it my duty to render them assistance. We distributed some provisions among them, and cast off clothes from the crew were given to the most needy.

In 1876, certain hard-hearted traders taking advantage of the wants of the fishermen and their state of poverty, sold them goods and provisions at exorbitant prices, rating the products of these poor fishermen at only one fourth their value. One of these merchants went even so far as to take their goods for sale to the Quebec markets, bringing them in return third-rate provisions.

By an unexplained fatality, those fishermen who were most unlucky in 1877 experienced similar misfortunes during the present season. It will thus be easily understood how this series of misfortunes has discouraged a great many and caused the utmost apprehensions among them with regard to the approaching winter. It is not therefore to be wondered at that several families made up their minds to return amongst their friends at Magdalen Islands and Newfoundland. There is no apprehension to be had with regard to those who choose to remain, the Quebec Government having forwarded them ample relief.

With the exceptions of the above-named localities where fishermen could not secure sufficient fish to enable them to procure winter supplies, fishing may be said to have been generally good, and even better than in 1877. Prices were unfortunately low.

The total yield of cod fishery in 1877, including the catch by strangers and foreign fishing schooners, amounted to 131,183 quintals. This year it was 160,479 quintals. Fish sold at \$3.50.

Salmon fishing yielded 2,090 barrels in 1877, against 2,561 this season.

Herring fishing which gave 6,028 barrels in 1877, yielded this season 1,569 barrels caught by Canadian vessels and fishermen, and 13,770 barrels by strangers and foreigners. Total 15,339 barrels.

Mackerel, 565 barrels against 188 in 1877. To this must be added about 3,500 barrels caught by American fishing vessels.

A large increase is also noticeable in seal fishing, the catch in 1877 being 7,898 against 20,075 this season.

In order to ensure the enforcement of the fishery laws, and to give better protection to fishermen, this part of the coast has been subdivided into nine districts, which are placed under charge of local Fishery Guardians. The latter are instructed to act under the immediate control of the officer commanding the Fisheries Protection vessel, and their divisions are distributed as follows:—

Manicouagan,
Trinity,
Moisie,
St. John,
Watsheeshoo,
Natashquan,
Washeecootai,
Ste. Augustine and
Bonne Esperance.

The Washeecootai Division is a subdivision of the Natashquan district and comprises the following streams: Kegashca, Masquarrou, Washeecootai and Romaine. The principal fisheries carried on within its limits are those of cod, herring and salmon. Upwards of thirty schooners from the States and the Maritime Provinces fished there at different times during the season for herring; several also came for

the purpose of codfishing. The population frequenting this district is a floating one most difficult to deal with, thus showing the great necessity of having a local Fishery Guardian located there. During hours of forced leisure, when the crews of these vessels were aware of the absence of any fishery officer to compel them to observe the law, they simply for the pleasure of making mischief did not fail to destroy the feathered game, rob the eggs, and set fire to the bush on the islands, thus destroying the best and most reliable means of assistance and relief to the settlers. These wanton acts were again renewed this spring before the arrival of the guardian.

Besides strangers, who thus seem to take pleasure in destroying everything on that coast, Washeccotai Division is known to be the favorite resort of poachers. Thanks, however, to the perseverance and energy of the new Guardian, Mr. McLeod, the whole set has been found out, and most of them have gone away, being satisfied that their days of theft and plunder were over. The remainder being too poor to take their departure have thrown themselves upon the mercy of the fishery officers.

Owing to the unfortunate accident which befel the Fisheries Protection vessel, I was unable to visit the Godbout Division which has latterly been placed under my charge; but I am informed by the local Fishery Overseer, Mr. Duguay, that everything was in order.

The limits of this report will not allow my referring at any length to the first adventurers who visited these shores for the purpose of securing a portion at least of its inexhaustible waters; let it suffice here to remark that it is hardly possible to determine the exact date at which this portion of our country was discovered, except that it was known and frequented several hundred years before the south shore. According to tradition, the Basques were the first to visit the north coast, and if any reliance is to be placed upon the historical documents we possess, they had been in the Gulf and even in the River St. Lawrence long previous to 1490, for the purpose of carrying on whale and seal fishing. This fact is corroborated by the names given to certain posts, such as Point aux Basques at Seven Islands, and Isle aux Basque opposite Trois Pistoles.

The documents above alluded to also demonstrate that Cabot found the Basques had been before him in places which he visited, and Jacques Cartier states that on his first voyage in 1534, he met a Spanish vessel loaded with fish in search of the harbour of Brest, which is said to have been founded by the Britons in 1508. This rock, which is situated at the bottom of Old Fort Bay, was subsequently strengthened by the French, as a defence against native and foreign enemies.

Thus it would appear as if the north coast had been the cradle of civilization in the new world. Immense fortunes were derived therefrom during the period of French domination. These inhospitable shores were divided into so many Seigniories and distributed among favourites of the King of France. A company was formed to work the King's posts, composed of Tadoussac, Portneuf, Jeremie Islets and Seven Islands.

The names of some of these ancient Seigniories and of the grantees have been preserved. One Mr. Godefroy had, for alleged services rendered his country, received a grant of the Seigniorie of St. Paul, within which is situated the river of the same name. One Mr. Lafontaine had for his share the islands of Mecatina, where he carried on seal fishing. He married a Montagnaise squaw, and his grandchildren, who still preserve his name, number several families among the Montagnais of the interior. The Seigniorie of La Romaine was granted to one Mr. Latourte. It consisted of a post at Romaine and the other at Coacoachoo. Two vessels loaded with furs and oil used to be yearly despatched therefrom. Neta-gamiou and the adjacent islands belonged to Mr. Dumouriez, who gave his name to a cape known as Point à Dumouriez, near Mr. Gilbert Jones' residence. These Seigniories belong to the period of Louis XIV. Several years before, Henry IV. granted Bradore Bay to the Sieur Le Gardeur de Courtemanche, who strengthened it. This part of the coast subsequently fell into the hands of one Mr. Foucher, who, in order to render his name illustrious, added to it that of Labrador. Members of this family are said to be still in existence.

The English took possession of these posts after the conquest, and soon after vessels from the United States frequented them under provisions of the treaties. The latter finding elsewhere, I presume, greater facilities for their fishing pursuits, come there in very limited numbers as compared with previous years.

It has already been stated in previous Reports, that after the conquest the north coast was occupied by powerful companies, such as the Hudson's Bay Company on the west, and the Lymburner, Woolsey & Co.'s Company on the east. The former had leased the King's Posts from the Government and the Mingan Seigniory from its presumed owners. About the beginning of the present century, the Lymburner Company having been dissolved, and the Hudson's Bay Company given up its claims to the sea and rivers of this territory, an Act of the Legislature opened them to the public. Numerous fishermen from the Counties of Bonaventure, Gaspé, Rimouski, and the Magdalen Islands crossed over to seek their fortunes on these shores in 1850 and 1852. Success having crowned their venture, they decided upon settling there with their families.

Such was the beginning of the numerous villages which are now scattered in the most favourable localities for fishing pursuits, viz: Seven Islands, Sheldrake, Thunder River, Magpie, St. John, Esquimaux Point, Natashquan, Kegashca, &c.

According to the census of 1852, the population of the north coast amounted to 2,055 souls. In 1861 it reached 4,369, and in 1871, 5,484 souls. It has increased very little since 1877, owing generally to successive failures in fishing pursuits, and to the fact that several families employed at the mines of Moisie and St. John returned to their former abodes. This must have caused the population to remain stationary.

Following in the wake of fishermen who crossed over from the south shore, the former employés of the old firms settled on the coasts and founded establishments which soon rivalled those of the south in elegance, size and dealings, and where the mode of trading known as "truck" is most popular.

Fish and furs compose the main resources of the north coast settler, and form the principal articles of trade; the former especially so. Working at the iron mines and the canning of salmon did, for a certain period, give employment to a large number of hands, but the depression of trade soon put a stop to these industries, and the chief resource of settlers is now to be found in cod fishing. It is true that hunting formerly used to yield ample profits to those who were engaged in it, but prices have fallen so much of late that no reliance can be placed on this pursuit as a means of procuring the necessary provisions and maintenance. Times are no longer as they formerly were when a single settler (Joseph Tanguay) could earn £650 out of a season's hunt.

Fur bearing animals were quite abundant last winter, but prices ruled so very low that it would not pay to hunt them.

On the coast of Labrador, properly so called, where bare rock is the natural ground, the only resources are to be found in following hunting and fishing pursuits. Higher up, from Kegashca to Point des Monts, some good plots of land may be found, where vegetables grow, and where, with the assistance of some extra labour, settlers can procure a part of their winter supplies. Stimulated by the example of certain merchants and intelligent settlers, whose gardens were all that could be wished, others have made clearances and successfully planted turnips, potatoes, cabbages, &c.

In 1852, on an extent of 500 miles of coast, there were only 67½ acres of land cleared, when in 1871 there were 175 acres, including the Island of Anticosti. The latter yielded 11,213 bushels of potatoes, 910 bushels of turnips, and 23 bushels of other roots.

With the exception of very few articles, fishermen on the coast of Labrador are compelled to purchase everything they want, and, comparatively speaking, I must say that, be it through providence or neglect, they spend double what our farmers do. This, it will easily be understood, must keep up a very active trade on the coast, and about thirty schooners from Quebec, Gaspé and the Maritime Provinces, are continually engaged during the whole season in trading articles required for fishermen's use, and taking in exchange their fish, oil and furs.

Several new vessels from the Maritime Provinces made their appearance on the coast this season. The general depression in trade has, I presume, induced them to seek their fortune there.

Among those which I visited, three had not paid Customs' dues, the "Swallow," of Halifax, Captain Reid; "Aura May," of Bonne Bay, Captain Cullen; "Mabel Clare," of Liverpool, Captain Kennedy. The last named vessel was totally lost on the coast during the month of October.

Whilst speaking of this subject, I would suggest the advisability of placing a Collector of Customs at Bonne Espérance, as it is absolutely necessary to put an end to such illicit trade. Should it be allowed to continue with impunity, it must necessarily increase to the great injury of the public revenue, as well as to that of those traders who pay the dues, and even of fishermen with whom old merchants will have no further dealings when the former abandon them to truck with new arrivals. I am most anxious to be of some assistance to the Government in this matter, but having received no copy of the tariff, nor any instructions since I was appointed Revenue Officer, I am often at a loss to know what to charge on dutiable articles. This frequently places me in an embarrassing position. It is true that I could seize or stop the vessels, but that would entail a considerable loss of time, and, moreover, when the owners are well disposed to pay, I consider that it would be wiser to take their money on the spot rather than compel them to go and procure a clearance at Esquimaux Point, 200 miles away, and thus delay their trip by several weeks.

These trading vessels, together with the mail packet plying between Gaspé, the north coast and the Island of Anticosti, and the steamship "Beaver," belonging to Messrs. Fraser & Holliday, make a visit to the north coast comparatively easy now. I also learn, with pleasure, that the Government has decided to send a mail from Quebec to Bonne Espérance this winter. The wisdom of this decision cannot be enough eulogized, nor its advantages sufficiently appreciated. When navigation has closed, numberless accidents may arise, placing the life of settlers in danger. With the help of this mail during winter, timely notice can be given, and assistance sent early in the spring. Again, a successful seal or game hunt during the winter may enable them to make preparations for the ensuing season, by advising their merchants, and procuring at an early date in the spring such articles as they most require.

Were it not for some difficulties between cod fishermen in the Bonne Espérance division, which I shall allude to further on, and some slight violations of the fishery and game laws, one might almost say that, in spite of the large number of strangers frequenting these shores during the summer, there is only cause for rejoicing at the manner in which peace and order prevailed everywhere. It is, however, to be regretted that the visits of the stipendiary magistrate, employed by the Local Government, do not yield the good results which might reasonably be expected. In my Report of 1876, I stated that this magistrate is often placed at a disadvantage, and in a somewhat ridiculous position, from being unable to have his authority respected or his judgments executed, owing to the difficulty and enormous cost of taking prisoners to jail.

Such circumstances are indeed more apt to encourage evil than to repress it. A slight amendment to the law which would allow of sending prisoners to Percé jail, where communications are frequent and easy, would obviate many difficulties. An understanding to that effect between the Federal and Local Governments might possibly lead to some plan which would enable the officer in command of the Fisheries Protection vessel to give assistance to the stipendiary magistrate and enable the latter to have his orders and judgments carried out.

The above suggestions I consider of the greatest importance. Up to the present time the magistrate has been very successful; there have, however, been no drawbacks, and a single misfortune is sufficient to wipe up the prestige which must surround justice in every country. I cannot therefore too strongly insist upon that point.

COD FISHERY.

Mention is made in the preceding article of the first fishing establishments on the north shore and on the coast of Labrador. These existed in the divisions of St. Augustine and Bonne Espérance long before the fifteenth and sixteenth centuries. The French having disappeared with the conquest of the country, other nations took possession of these fishing posts; but the companies which were then formed did all in their power to check new arrivals, and it was only in 1850, when monopolies had ceased, or rather since that date, that cod fishing was fully developed. Before that period, the cod fishing industry was reckoned very low amongst the revenues of the coast, all the available capital and labor being engaged in other pursuits. But when everything else was ruined, owing to inconsiderate fishing, and no other opening was left, people had to fall back on cod which frequented the fishing banks and indeed all the waters of the coast in a marvellous manner. The census of 1852 and 1861 will enable any one to form a comparison between the yield of both these years and of the increase which took place, especially at the latter end of that period. The catch in 1852 amounted to 4,800 quintals, whilst in 1861 it reached 43,878 quintals, and in 1877 56,241 quintals. This is exclusive of the catch by strangers and foreign fishermen.

The largest establishments for cod fishing before the conquest were located at Blanc Sablon, Bonne Espérance and Salmon Bay. These are still in existence, whilst others have sprung up at Natashquan, Mutton Bay, Harrington Islets, St. John River, &c., &c. The best cod banks are to be found opposite the above named places.

Cod fishing on the north coast is, as elsewhere, divided into two periods; summer and fall fishing. The latter yielded very little if we except Trinity Bay Division, where most of the fish were caught during that season. Although the summer fishing was not equally successful everywhere, it was better than that of last year, and would have been still more so had fishermen been prepared when the fish struck on the coast. It came fully three weeks earlier than usual, which fact ought to have been foreseen owing to an unprecedented mild winter. Another circumstance which militated very much against a better catch was, that the fish did not remain near the shores as usual and would not bite so readily, although noticed in thick shoals on the banks. This was undoubtedly due to the great abundance of food to be found there. From Blanc Sablon to Harrington Islets, fishermen from these localities, as well as strangers, and those who crossed over from the Straits of Belle Isle, agree in stating that the banks were crowded with fish. Still, in spite of this great abundance, line fishermen from St. Augustine and Bonne Espérance divisions caught only fifty quintals per boat. Practical fishermen claim that had the wind blown from the west instead of from the east, the catch would have been unprecedented. These men report also that the fish kept in deep water, and this is undoubtedly the reason why deep seines had a magnificent catch whilst small ones did almost nothing. Owing to similar causes, fishermen who had licenses to set trap-nets caught very few fish. For instance, Mr. Joyce caught only fifty quintals; Mr. Whitely, one hundred, and Mr. Buckle, three hundred.

In the Divisions of Washecootai and Natashquan there was a slight falling off, owing to the reasons above stated, but the fish sold better. At St. John, Moisie, Trinity and Godbout, fishing was better than last year, notwithstanding the time lost at the beginning of the season.

On the French coast of Newfoundland where fishing almost entirely failed in 1877, it was unprecedented this season. About 40,000 quintals of cod were caught, prepared and sent to France from Portachois and two neighbouring establishments.

The activity displayed from the above named localities must however be taken into account. Fishermen go out to the Banks almost every day, and the only men who can compete with them for boldness and energy are those from Gaspé and Bay des Chaleurs. The north coast fishermen seem to pursue cod fishing more as amateurs than otherwise. Most of them give it up when the summer season is over and the

fish recede from their shores together with capelin. Their labours can thus be reckoned at only three or four weeks' duration. It is no wonder that they are so often compelled to rely upon Government assistance. However, since the arrival of Newfoundlanders, there has been some improvement in this respect. The latter belong to a hard working class, accustomed to labour summer and winter, and they have brought to our shores their habits of industry which enable them to overcome cold weather, contrary winds and strong currents.

When we visited Blanc Sablon and Bonne Esperance during the latter part of October, there was still a great abundance of fish on the Banks, but no one visited those fishing grounds.

In the Division of Bonne Esperance, most of the cod is caught by the crews of foreign vessels and is taken home to be prepared. At St. John, Moisie and Trinity, the fish are dried on the spot. In the latter division, however, a large proportion of the fish caught is taken to the south shore where it is prepared at the several establishments there. It is, however, reported that a wealthy merchant from the south shore, Mr. Lamontagne, of Ste. Anne des Monts, intends putting up a large establishment at Point aux Anglais, in the latter division, for the preparation of fish. The yield amounted to 3,082 quintals.

Cod was most abundant at Godbout; only 479 quintals were however, taken; most of the people being engaged in other occupations besides fishing.

Although considered inferior to that of Gaspé, the cod caught on the north coast sells just as well, owing to keener competition among traders. It is taken to Gaspé, Paspebiac, Halifax, and to several ports in Newfoundland, whence it is shipped to foreign markets.

Fishermen on the north coast usually employ hand lines; some of them, but very few, use trawls, and amongst residents, seines are used only at Sheldrake and Bonne Esperance. The grounds are so unfavourable at the former place that this mode of fishing is seldom used, and at Bonne Esperance seines were scarcely of any service, owing to the fact that the fish did not come near the shores. Cod sold at \$3.50. The price of goods was one-fourth less than usual, so that the people who had any fish to sell had no difficulty in procuring their winter supplies.

About 230 schooners from Nova Scotia and Newfoundland and two from the United States repaired to the division of Bonne Esperance this season for the purpose of cod fishing. About forty of them had seines and they fished daily between Green Island, Bradore Bay and Long Point. They all did well, with the exception of those who having no seines took only average cargoes.

The local Fishery Overseer, Mr. Whitely, estimates at 500 quintals each the catch of eighty schooners from Newfoundland and at 400 quintals that of schooners from Nova Scotia, which are of a heavier tonnage and whose crews use hand lines. This swells up the total catch to 100,000 quintals against 61,800 in 1877. Should any reliance be placed upon information received from the residents, it is not at all improbable that vessels will visit this part of the coast in much larger numbers next season.

List of schooners fishing for cod at Bonne Esperance, Labrador during the season of 1878:—

| Name of Vessel. | Port. | Name of Vessel. | Port. |
|------------------|------------------|--------------------|---------------|
| Eclipse..... | Halifax | Ripple..... | Newfoundland. |
| M. Malvina... .. | Quebec. | Indian Lass..... | do |
| Snow Queen..... | Halifax. | Fortune..... | do |
| Hiawatha | Newburyport, U.S | Queen..... | do |
| Stadacona..... | Quebec. | Rive | do |
| Maria..... | do | Star | do |
| Adeline | do | Janet..... | do |
| Delta | Newfoundland. | Mary Ann Bell..... | do |
| Speed..... | do | Rose..... | Halifax. |

| Name of Vessel. | Port. | Name of Vessel. | Port. |
|-------------------|---------------|---------------------|-------------------|
| Rosedale..... | Nova Scotia. | Can't help it..... | Halifax. |
| Spring Bird..... | do | Java | do |
| Vivace..... | do | W. Boak..... | do |
| Ellen May..... | do | Golden West..... | Nova Scotia. |
| L. A. W..... | do | E. O. Myra..... | do |
| Dahlia..... | do | Cordelia Volger.... | do |
| Vantage..... | do | Anna A. Seel..... | do |
| Fleetly..... | do | Armanda..... | do |
| Flash..... | do | Ann..... | do |
| Nimble..... | do | Mayflower..... | Brixham, En'g. |
| Boreas..... | do | Rose of Soindze.... | do |
| Mariner..... | do | Mabel Clare..... | Nova Scotia. |
| Edith..... | do | Crown Point..... | Newburyport, U.S. |
| W. Rogers..... | do | Maracaibo..... | Boston. |
| Rolling Wave..... | Newfoundland. | G. P. Palmer..... | Gaspé. |
| Greyhound..... | do | Dexter..... | Halifax. |
| Julia Burton..... | do | Lord Eldon..... | do |

CODFISH SEINING.

The accident which befel our steamer in the month of June, whilst at Seven Islands, necessitated certain repairs. We were compelled to delay our visit to the north shore and thus were prevented from being at Bonne Esperance during the time that cod fishing by vessels from the States and the Maritime Provinces was being carried on. It was, however, reported that seiners stood considerably in the way of hand-line fishermen, and that the former paid no attention to the regulations which provide that each party shall keep within certain limits, so as not to interfere with the other. This created great dissatisfaction among fishermen from Lunenburg, Nova Scotia, who could thus secure only half a cargo and who blamed the seines for their want of success. However, I am not at all satisfied that the whole blame rests with the seine fishermen, and feel rather inclined to believe that the best fishing time being over when these schooners arrived, the fish did not bite so readily. Were it otherwise, how does it happen that the line fishermen of Mr. Le Boutillier who were fishing on the same banks, caught eighty quintals of fish per boat during the summer season?

I have no doubt also, that during our absence, some of the seine fishermen did behave badly, and used seines of an illegal mesh. A proof of this is to be found in the fact that a prosecution having been brought against Captain Farrell, of the schooner "Henrietta Clinton," he was proved guilty, and was fined ten dollars.

The Lunenburg fishermen left the grounds grumbling against cod seines, against the want of protection, and even threatened to withdraw from the Confederation of the Provinces if the use of these fishing engines was not put a stop to. I am, however, confident that your Department will pause before adopting so harsh a measure, since it is a well-established fact among unprejudiced people that the development of the codfish ng industry could not prosper without the use of seines sufficiently to ensure the success of the establishments, which diffuse wealth and abundance equally among owners and employés.

For four consecutive seasons, the schooners of Magdalen Islands and Esquimaux Point, which resort to the north coast for the purpose of cod-fishing, have entirely failed of success for want of seines, although they are unanimous in admitting that the banks were crowded with fish. When at Bonne Esperance, we met a poor fellow from Whale Head, named Joseph Hébert, who told us that, after fourteen days' consecutive fishing, he had succeeded in catching only four fish, although he could see the cod by thousands on the grounds round his lines. This man had gone to Bonne Esperance to purchase a seine in partnership with eight others, in order to try and secure the necessary food for themselves and children. He told me that had he owned a seine, he would undoubtedly have caught sufficient fish to buy pro-

visions, whilst he and his neighbours had taken only forty quintals of cod, which was quite insufficient for the wants of their families. It may here be added that, had it not been for the seines of Messrs. Whitely, Buckle and Joyce, of Bonne Esperance, fishermen of this division would have fared very badly.

Whilst on the subject of seines, and the difficulties experienced by fishermen of these localities, it will not be amiss to draw the attention of your Department to the necessity of appointing a local fishery guardian for Bradore Bay, who would assist in the enforcement of the law and protect fishermen. This officer being on the spot could note violations of the law, take the names of offenders as well as of vessels, and during the fall assist in collecting reliable and interesting statistics. With the present arrangement, Mr. Whitely is unable to attend to a proper observance of fishery laws and regulations at Bradore Bay, most of his time being taken up at home with his own men, and with strangers and foreign vessels. An additional officer could be employed without extra expense by subdividing the large district now under charge of Mr. Whitely, and giving him the western division, whilst this new overseer would have the eastern portion; one-half the salary actually paid Mr. Whitely, if matters could not be arranged otherwise, might be given to him. This arrangement, I am sure, would prevent much trouble and put an end to numberless causes of complaint, which cannot fail to be very annoying to your Department.

During the course of a visit to Bradore Bay, I made enquiries relative to a proper person for this position, and I think, succeeded in finding such an one in Mr. Ralph Jones, of Bradore. He is an honest man, with a fair education, very powerful and energetic. He would, I feel sure, faithfully execute all the instructions given him. I respectfully submit the above arrangement to your favorable consideration. It has now become doubly necessary, owing to the large amount of business at present transacted in the Bonne Esperance Division.

SEAL FISHERY.

Most of the people carrying on fall seal fishing on the coast of Labrador, becoming discouraged by continued ill success during a number of years, had abandoned their stations, owing to the expenses having become larger than the receipts, when, during the fall of 1876, seals returned in the Straits of Belle Isle as numerous as ever. Full of joy and enthusiasm at seeing the reappearance of these animals, whose presence on the coast had formerly made living so easy and pleasant, the owners returned to their old stands, and last fall ten stations caught 1,933 seals, valued at \$5 each, or 1,744 more than last year. According to the fishermen's statements, it appears that had they been as abundantly provided with nets as formerly, the catch would have been double what it was. Before 1876, I shared the opinion of several naturalists and other experienced persons, that the disappearance of seals was due to inconsiderate destruction of these animals both in the Gulf and in the northern seas, but their reappearance in larger herds than ever, and the great success lately experienced, conclusively proves, I think, that the species, far from decreasing, will show itself as numerous as ever, provided always that no impediment occurs to prevent them from pursuing the course of their accustomed migrations. It is already well known that seals ascend the Straits of Belle Isle about the latter part of November, or the beginning of December. They are then caught with nets in St. Augustine division. Prompted by nature, these animals enter the Gulf and ascend sometimes as high up as the Saguenay before climbing on the ice to bring forth their young. Seal fishing with nets during the winter is carried on only in St. Augustine Division. Large herds of these animals have been seen to ascend the Gulf near Seven Islands, Carousel and Grosse Boule Islands, where they are however but very seldom sought after. But in the neighbourhood of Point des Monts and Godbout, several people have, during the past few years, been engaged in seal hunting during the winter. Last season, fifteen canoes killed 258 seals; that is, 144 more than during the previous winter. It must, however, be remembered that the unprecedented mildness of the weather specially favoured this pursuit. In the neighbourhood of Manicouagan, the number of seals killed with the gun amounted to 200. The quantity of oil is reckoned at 150 gallons.

SCHEDULE OF SEAL FISHING STATIONS.

| Name of Owner. | Station. | No. of Seals Killed. |
|-----------------------|----------------------|----------------------|
| Daniel Mauger..... | Whale Head..... | 72 |
| Widow Mauger..... | Whale Head..... | 40 |
| Joseph Gallichon..... | Whale Head..... | 63 |
| Michael Kenty..... | Mutton Bay..... | 80 |
| X. Gallichon..... | Red Bay..... | 50 |
| S. Robertson..... | La Labatière..... | 875 |
| S. Gaumont..... | Grand Meccatina..... | 170 |
| J. Gallichon..... | Old Fort..... | 340 |
| J. Gallichon..... | Lac Salé..... | 200 |
| W. Kennedy..... | St. Augustine..... | 49 |
| Total..... | | 1,939 |

SPRING SEAL FISHING.

Two years ago the number of seals which usually resorted to the coast of Labrador during the spring began to decline, and it was apprehended that the species was doomed to complete destruction, when suddenly, and least expected, the few nets which had been set more by habit than otherwise at Bradore Bay and Long Point, were one morning found filled with fine large seals. Joy reigned supreme, and the half-starved population could, with difficulty, gather sufficient strength to reap the rich spoils which were bringing abundance among them. When the products of that fishery had been converted into money, the people were very careful in making good use of it, instead of wasting it as they had formerly done. The good catch which continued to prevail during two successive seasons has helped to improve the position of our fishermen. Considerable preparations were made last spring but the seals unfortunately kept at a long distance from the shores.

The ten following stations yielded only 604 seals against 3,027 in 1877:—

| | |
|-----------------------------------|------------|
| W. Jones, Bradore Bay..... | 109 seals. |
| L. Jones, do..... | 50 " |
| W. Labadie, Anse des Dunes..... | 110 " |
| A. Guay, Long Point..... | 50 " |
| W. Etridge, do..... | 28 " |
| W. Luce, do..... | 54 " |
| — Dumas, do..... | 29 " |
| Israel Griffin, Five Leagues..... | 109 " |
| — Holmes, Portage Cove..... | 30 " |
| James Dear, Dog Island..... | 45 " |

Total..... 604 seals.

It has already been explained how, since the arrival of Newfoundland sealing steamers within the Gulf, this fishery was nearly destroyed, and it was held that the principal cause of failure did not lay amongst our people. This opinion appears very plausible when the successive fishings of 1876 and 1877 are taken into consideration. During the above named years, steamers did not enter the Gulf, but last season they returned and fishing again failed. Would it not be possible that, without being killed to any very great extent, seals may become shy and avoid the shores during the presence of the steamers, and return when natural instinct teaches them that danger is over?

During the course of a visit to Bradore Bay some fishermen complained of parties from Forteau and elsewhere who had set seal nets on their grounds, thereby doing them considerable damage. Having been requested to settle the matter so as to obviate further trouble, I did so by issuing special licenses with correct descriptions of each station, and directing each licensee to seize and keep until I returned the nets which might be set on their grounds.

According to the statistics annexed to his report, the number of seals killed in nets or with the gun on the north coast amounts to 3,245, and yielded 10,434 gallons of oil.

SEAL HUNTING ON THE ICE.

One of the main causes of the poverty now existing at Esquimaux Point and Betchouan is due undoubtedly to the successive failures experienced for several seasons past in seal hunting. The yield was however somewhat better last spring, but previous poverty added to the poor success experienced in preceding seasons entirely prostrated the fishermen there last fall, and had it not been for the timely assistance sent them by the Local Government I would be at a loss to imagine what would become of this enterprising settlement, the former prosperity of which was always accounted as the result of intelligence and industry.

Schooners from Natashquan, the names of which are given, in the list below, killed 4,500 seals, about one-third of which were large ones. Those from Betchouan, 700; one-half large ones, and those from Esquimaux Point, 12,500, large and small. The following shows that thirty-two schooners were this season engaged in seal hunting, against 27 in 1877, and that 17,400 seals were killed against 2,404 in the previous season. Seal oil sold at forty cents *truck* and thirty-six cents for cash. Pelts fetched eighty cents each.

List of Schooners belonging to Esquimaux Point, engaged in the Seal, Cod and Herring Fisheries during the Season of 1878.

| Name of Vessel. | Master. | Port. | Tons. | Men. | No. of Seals. | Quintals of Cod. | Herrings, Barrels. |
|-------------------------|-------------------------|---------------------|-------|------|---------------|------------------|--------------------|
| Mary du Sacré Cœur..... | Onesime Turbide..... | Gaspé..... | 46 | 10 | 800 | 71 | 32 |
| Iberville..... | Hyp. Boudreau..... | do..... | 41 | 10 | 1,100 | 120 | 40 |
| Labraddor..... | Placide Doyle..... | do..... | 43 | 10 | 150 | 180 | 50 |
| Amelia..... | Paul Cormier..... | do..... | 50 | 10 | 269 | 170 | 50 |
| Marie Anne..... | Dominique Landry..... | do..... | 35 | 10 | 660 | 50 | 48 |
| Marguerite..... | J. B. Cormier..... | do..... | 27 | 7 | 1,000 | 40 | 30 |
| Progress..... | Nathaniel Boudreau..... | do..... | 52 | 10 | 200 | 120 | 48 |
| Ice Bird..... | Villebon Terriault..... | do..... | 39 | 10 | 330 | 90 | 22 |
| D.H.P..... | Samuel Doyle..... | Halifax..... | 29 | 7 | 130 | 120 | 15 |
| I. C. Miller..... | Amedée Vigneau..... | do..... | 42 | 10 | 500 | ..... | 30 |
| Acara..... | André Vigneau..... | do..... | 29 | 7 | 300 | 100 | 20 |
| D. Cronan..... | Peter Le Marquand..... | do..... | 39 | 7 | 1,000 | 60 | 10 |
| Busy..... | J. B. Petipas..... | Lunenburg, N.S..... | 38 | 10 | 80 | 130 | 60 |
| Ste. Marie..... | Alex. Sherer..... | Quebec..... | 37 | 9 | 400 | 63 | 35 |
| Elizabeth..... | Luke Cormier..... | do..... | 27 | 7 | 40 | 60 | 40 |
| Marie Louise..... | Mathias Roberge..... | do..... | 11 | 5 | 305 | 50 | 28 |
| Gleaner..... | Benj. Landry..... | do..... | 40 | 10 | 550 | 44 | 30 |
| Ailsa..... | Frank Cummings..... | Amherst, C.E..... | 41 | 10 | 800 | 60 | 60 |
| Victoria..... | Gabriel Cormier..... | do..... | 46 | 10 | 500 | 130 | 35 |
| Fleetwing..... | Julien Boudreau..... | do..... | 47 | 10 | 540 | 20 | 60 |
| Gorilla..... | Vital Soudreau..... | New not registered | 40 | 10 | 520 | 95 | 55 |
| C.L.B..... | Chas. Landry..... | do..... | 18 | 6 | 290 | 54 | 33 |
| Pioneer..... | Charles Le Brun..... | do..... | 36 | 10 | 610 | 187 | 50 |
| Total..... | | | 853 | 205 | 11,060 | 2,013 | 987 |

Return showing the Number of Freighting, Trading and Coasting Vessels, in the Mingan Division, during the Season of 1878.

| Name of Vessel. | Tons. | Master's Name. | Where Registered. | Remarks. |
|------------------------|-------|------------------------|-------------------|---|
| J. W. Arnold..... | 56 | William Arnold.. | Halifax, N.S..... | Trading for J. W. Pitts, and taking seal skins, oil, fur and codfish to Halifax. |
| St. Anne..... | 66 | Gilbert McNeil..... | Quebec..... | Trading for Turgeon and Corriveau, dealing in seal skins, oil, fur and codfish. do do |
| Frank..... | 54 | Louis Dugal..... | do..... | General trading. do do |
| Ann Amelia..... | 92 | Joseph Verge..... | Halifax, N.S..... | Trading and freighting for J. W. Pitts, and taking fish to Halifax. |
| Primrose..... | 56 | F. H. Metivier..... | Quebec..... | Bringing fishermen to Anticosti and freighting. |
| Carrier Dove..... | 50 | Charles Peters..... | P. E. Island..... | Trading and freighting between Anticosti and Prince Edward Island. |
| Palmer..... | 22 | Charles Miller..... | Gaspé..... | Trading for Eden and Beattie, Gaspé. |
| Manitoban..... | 38 | P. Blouin..... | Quebec..... | Trading along the North Shore. |
| Notre-Dame de Victoire | 55 | Xavier Joncas..... | do..... | Coasting and taking codfish to Gaspé for LeBoutillier & Co. |
| Wolverine..... | 40 | E. Adams..... | Gaspé..... | do do |
| La Victoire..... | 43 | Richard Duguay..... | Quebec..... | Freighting and trading. |
| Laurence..... | 60 | L. Kenady..... | Gaspé..... | Freighting and trading for codfish and oil. |
| Flying Fish..... | 48 | Richard Miller..... | do..... | Freighting the Packet from Gaspé to North Shore. |
| Undaunted..... | 45 | Howell..... | do..... | Coasting and freighting. |
| Paspebiac..... | 57 | Xavier LeBlanc..... | New Carlisle..... | do for Messrs. C. Robin & Co., and taking fish to Paspebiac. |
| Ant..... | 52 | Abel Huard..... | do..... | do do |
| Ellen Mary..... | 60 | John Moulin..... | do..... | do do |
| Providence..... | 48 | David Law..... | do..... | do do |
| Isabella..... | 45 | Joseph Lepage..... | do..... | Coasting for C. Hamilton & Co., and bringing fishermen to North Shore. |
| Gleaner..... | 69 | Frank Leblanc..... | Jersey..... | do LeBoutillier, Bros., and taking fish to Paspebiac. |
| Speedy..... | 55 | Ben. Aslin..... | Gaspé..... | do J. and E. Collas, and taking fish to Gaspé. |
| Hasty..... | 46 | Wm. Lucas..... | Jersey..... | do do |
| Marie Gleanor..... | 72 | J. B. Mercier..... | Quebec..... | Freighting from Quebec to Esquimaux Bay for Hudson Bay Company. |
| Standard..... | 93 | Capt. Le Scelleur..... | Jersey..... | Coasting for J. and E. Collas, and taking fish from St. John's to Gaspé. |
| Sea Flower..... | 36 | Charles Stewart..... | Gaspé..... | Whaling voyage. |
| Good Intent..... | 60 | Capt. Mabee..... | do..... | Freighting and trading. |
| Marie St. Anne..... | 40 | Capt. Caron..... | Quebec..... | Freighting and fishing. |
| Marie Sarah..... | 35 | Capt. Jacques..... | do..... | Freighting. |

HERRING FISHERY.

This fishery is divided into two periods; spring and fall fishing.

The first fish to appear on the north as well as the south shores are herrings. They usually strike in immense schools at Point des Monts, Cailles Rouges, Seven Islands and along the coast as far down as Blanc Sablon, and enter the small and large bays for the purpose of spawning. The period at which these fish deposit their eggs does not appear to be the same in every locality. On the western part of the coast, herring spawn in April and May, whilst in other places, for instance at Washeecootai, Coacoahoo, &c., they frequent the bays until the month of July. Whilst at Coacoahoo this season, on the 19th June, I noticed schooners loading with herrings full of eggs, and the master of one told me that he once took a cargo of 600 barrels of herring at this place on the 6th July. At a later period, about the end of August, herrings again approach the shores and are sometimes caught in large numbers at Natashquan, Kegashca, La Tabatière, Mutton Bay, Bonne Espérance, Bradore Bay and Blanc Sablon. The later in the season these fish are caught, the better they are; they are known under the name of Labrador Herring and always fetch a high price on the Quebec markets.

Herrings were abundant during the spring on the coast, but fishermen did not profit much by this good fortune owing to the want of salt. On the 19th June, at Coacoahoo, we met thirty-three schooners which had failed to secure cargoes at Magdalen Islands and Anticosti, fifteen of which were fishing and loading. Two days before, eighteen other schooners had left with 400 barrels each, or about 11,770 barrels altogether.

We noticed that the herrings caught at this period of the year were larger than the spring fish caught on the coasts of Gaspé, at Magdalen Islands and even at Seven Islands; a fact which would tend to prove that, when fattened, the fish are identical with those caught at a later date and which are then known under the name of Labrador herring. It is quite possible that all the herring in our waters may belong to the same species, but that found on the coast of Labrador evidently owes its increase in size to the better quality of food found in the Straits of Belle Isle.

Fall fishing utterly failed on the north coast as well as on the shores of Newfoundland. Over one hundred and fifty vessels awaited the appearance of herrings for five or six weeks, and had finally to return without a cargo. I lean to the belief that inconsiderate fishing during the fall and winter, as practised on the north shores of Newfoundland, at Bay of Islands, Bonne Bay and even on the north coast during the spawning season, may have something to do with this want of success and the disappearance of the fish last fall; and that the inconsiderate use of seines at a time when herrings approach the shore to deposit their eggs, thus closing to them the entrance of bays, where they resort to spawn, may operate injuriously upon the reproduction of the species, the more so as it is alleged in a comprehensive and satisfactory manner by Professor Hind, that herring is a local fish.

The resident fishermen caught 1,596 barrels of herring this season, including the fish used as bait; the catch by strangers and foreign vessels being reckoned at 13,770 barrels.

List of Vessels engaged in herring fishing on the North Coast.

| Name of Vessels. | Master. | Port. | Tonnage. | No. of Men. | No. of Boats. | No. of Nets. | No. of Barrels of Herring. |
|--------------------|----------------|----------------------|----------|-------------|---------------|--------------|----------------------------|
| Silver Spring..... | Phelan | Bay St. George | 55 | 4 | 1 | 1 seine. | 500 |
| Flirt..... | Cormier..... | do | 72 | 8 | 3 | 2 nets. | 150 |
| Union..... | Garnier..... | do | 29 | 6 | 2 | ..... | 250 |
| Enterprise..... | Murphy | do | 55 | 4 | 1 | 1 | 600 |
| Brothers..... | McLennan..... | do | 36 | 6 | 2 | 6 | 56 |
| Laura | McPherson..... | Margaree..... | 52 | 6 | 2 | 2 | 500 |
| Margaret..... | Leblanc..... | Arichat..... | 37 | 7 | 3 | 7 | 430 |
| Henrietta..... | Cutter..... | Bay St. George..... | 50 | 6 | 2 | 1 | 412 |
| Rose Anna..... | Unwin..... | do | 24 | 5 | 2 | 6 | 350 |
| Island Pride..... | Harvey..... | do | 26 | 5 | 2 | 7 | 250 |
| Marcella..... | Yulen..... | do | 40 | 8 | 2 | 1 | 366 |
| Highland Lass..... | Young..... | do | 40 | 6 | 2 | 6 | 450 |
| Helena..... | Emmanuel..... | do | 78 | 6 | 2 | 6 | 454 |
| Flora Reid..... | Young..... | do | 60 | 6 | 2 | 1 | 700 |
| Marie Louise..... | Langlois..... | do | 75 | 10 | 3 | 7 | 812 |
| | | | | | | | 6,370 |

The last named vessel in the above list loaded for Stockholm, Sweden.

SALMON FISHING.

On the coast of Labrador, as well as on the south shore, people are more than ever convinced of the wisdom and efficiency of the regulations made for the protection of our salmon fisheries. The truth of the above assertion is more especially felt now that fishermen can appreciate the difficult position they would be placed in if our salmon streams had remained in the deplorable condition they were reduced to by a long reign of improvidence and greediness.

So soon as the different companies ceased to engage in salmon fishing, each individual fisherman selected a stand for himself. The experiment did not then pay much, but as herring, cod and seal were abundant, everyone lived well on the coast, without paying particular attention to salmon fishing or being over concerned about the unremunerative conditions into which salmon streams had fallen. This state of things is entirely changed now when almost every year brings with it a renewed failure in deep-sea fishing, and these people would be in a bad position if they had not their salmon stations to fall back upon, and on which they can rely with certainty, since they have not failed for ten years past but on the contrary have gone on steadily improving since.

Last season's salmon fishing is one of the most productive ever heard of on the north coast since the establishment of the fisheries protective service. A large increase over the catch of 1877 is noticed at almost every station, and wherever there is any falling off, the fact is due to the nets being set too late. The winter was so mild and spring so early, that salmon arrived before its usual time, and those who had set their nets early, began to catch fish in June. The weather was everything that could be wished for. The most successful fishing took place in the large rivers and on those parts of the coast sheltered from north-east winds. From Natashquan to Watsheeshoo and from Moisie to Seven Islands, as well as in the neighbourhood of Point des Monts, a slight falling off is noticed owing to stormy weather and prevailing easterly winds, as well as to the fact that the nets were set too late. But everywhere else there is a large increase.

Trout fishing is not so satisfactory; this is undoubtedly due to the fact that salmon fishing having principally engaged the fishermen's attention, little regard was

paid to trout when the price of salmon was seen to fall so low. In the Trinity Division for instance, only twenty three barrels of trout were caught. A disease seemed to prevail among these fish from Pentecost River to Trinity, there having been as many as three barrels of dead trout found in one day on the shore.

The following figures show the relative catch of salmon during the two seasons past :—

| | 1878. | 1879. |
|--------------------|-------|-------|
| Moisie..... | 800 | 445 |
| St. John | 300 | 212 |
| Natashquan | 400 | 318 |
| St. Augustine..... | 25 | 18 |
| Washeecotai | 24 | 17 |
| Etamamu | 56 | 40 |
| Trinity | 56 | 49 |
| Mingan..... | 45 | 100 |
| Romaine | 23 | 5 |
| Magpie | 100 | 22 |
| St. Paul..... | 54 | 50 |
| Nabissipi..... | 13 | 30 |
| Agwanus..... | 16 | 21 |
| | 1,830 | 1,409 |

The following streams were fished with the fly:—Watsheeshoo, Moisie, Mingan, Kegashca, Trinity, Beescie, Mistassini and Godbout.

At Moisie River 270 salmon were caught, against 107 in 1877. At Watsheeshoo, 21 fish, the largest of which weighed 18 pounds. The lessees arrived too late; they fished only for a few days, but appeared very well satisfied with their sport. Salmon are reported as being in very great abundance on the spawning beds of Moisie River. As may be seen from the above table, the catch with nets in Mingan River has doubled; the same thing, however, cannot be said of rod fishing. This is due to the fact that the Indians who were camped at the mouth of the river went to the falls armed with spears in broad daylight and there, alongside of the lessee, speared about thirty salmon, which fact so disgusted Mr. Molson that he left the river and crossed over to Gaspé. We were away at Anticosti and in the western Division of Labrador when this violation of the law occurred. When we returned to Mingan, the Indians had left for the interior. Up to the present time I never had any cause of complaint against these Indians who always listened to my advice respectfully and deferentially. The Hudson's Bay Company's agent at Mingan, Mr. Scott, says that they were reduced to the utmost state of poverty, and that it was only as a last resort, in order to save their families from actual starvation, and after ascertaining that neither Mr. Scott nor Mr. Molson could, or would, advance them provisions that they determined on spearing. They did so quietly and in broad daylight, openly disavowing all the while any bad intention. As already stated, Mr. Scott reports that they may have speared about thirty fish, which were divided among fifteen families to feed upon after they left Mingan and during the first portion of their journey towards the interior. Mr. Scott himself avers that these families were starving and that no law or force could have prevented them from going to the falls. Had I been on the spot when this unfortunate occurrence took place, I might possibly have prevented it by giving the Indians some provisions in the Government's name, after having satisfied myself of their wants. But, if I had arrived there after the deed, I sincerely confess that it would have given me great trouble to take the chief perpetrators to jail, as I should have had to provide means for the support of the rest of the families. I should have certainly felt under an obligation to Mr. Molson if he had only given them a few provisions on behalf of the Government. The Indians would not then in all probability have resorted to spearing, which is a

bad precedent, and Mr. Molson would in consequence have been at liberty to peaceably enjoy his sport more agreeably, whilst now he perhaps holds an idea that his river has not been sufficiently protected by the Department. I am aware that Mr. Holliday is in the practice of giving provisions to the Moisie Indians every year in return for their promise not to spear whilst on their way to the interior, and that the Indians being thankful for such acts of kindness comply with his requests. When the Indians left Mingan, Mr. Molson had caught thirty fish with the fly. Manitou River was not angled. The Reverend Mr. Roe, who spent two days at Kegashca, in the course of his visit to the Protestant settlers of the coast, killed seven salmon with the fly.

Although Natashquan and Romaine Rivers were let, they were not angled during the past season; but the lessees have had houses built for next year. Twenty salmon were killed with the fly in Trinity River. Godbout River, which is so efficiently and carefully guarded by its generous lessee, took the lead as usual among the angling rivers of the north coast. Colonel Gilmour and party killed 367 fish, averaging fifteen pounds weight, and over 200 trout. Four salmon and 200 trout were killed in Bescie River.

We had several violations of the law to punish in 1877 upon the north coast, in the Washeecootai Division especially. These infractions were not however renewed on such an extensive scale this season, thanks to the energy and activity displayed by the new local Fishery Overseer, Mr. McLeod, who has at least succeeded in ferreting out the poachers who had hitherto not been known, in becoming master of their deceitful tricks by which they managed to escape punishment for pillaging the streams and dividing the spoils. The most notorious poachers are parties holding licenses, such as J. B. Guilmette and B. Deraspe and possibly Old Metivier, the lessee of Watsheeshoo River. The Overseer found his nets set near the falls, seized them, and by dint of active search also ascertained that the others were supplied with nets more for the purpose of fishing at the falls than for legitimate use on their licensed stations. It was impossible for me to prosecute them for want of time, but I understand that a couple of them abandoned the locality forever when they found out that their designs were known, and that a local Guardian was to reside in future among them; the intention being that this officer shall reside at Romaine next season. I intend compelling to remain from the locality, at least those whose ordinary mode of living is by theft and illegal fishing, by refusing to renew their licenses should they be found guilty, as I have no doubt they will be. In doing so, a great service will be rendered to the honest portion of that settlement which is constantly infested by loafers who never work but live on the property of others.

In the Watsheeshoo Division, the local Fishery Guardian, Mr. Gobeil, seized some nets belonging to Indians fishing in a lake five miles back of the mouth of the river. No further proceedings were taken for want of time, and also because these Indians who are very poor were fishing for a living and not for purposes of trade. Anyhow, the confiscation of their nets is a great punishment to them. At St. Johns River, two fishermen were accused of having set their nets illegally during the night, on several occasions. Owing to their absence on our first visit to the river, we were compelled to postpone their trial to a subsequent voyage; the loss of our vessel unfortunately prevented this result.

The fishery statistics show that 3,191 barrels of salmon were caught on the north coast this season, against 2,404 in 1877. I am, however, inclined to believe that the returns of net fishermen may not always be strictly correct, for the purpose of escaping payment of additional license fees. I intend, next year, to make some of them swear to their statements.

In spite of this great catch, the profits were not large, owing to low prices; seven dollars being the highest offer for a barrel of 200 pounds of salmon. From Natashquan to Point des Monts, prices went to eight and nine dollars, and at Moisie, some fishermen sold their fish fresh at three cents and a-half a pound.

INDIANS OF THE NORTH SHORE.

As explained in a previous article, the Indians were not as successful as might have been expected during the past season, although their hunt was good, but the low prices at which furs sold prevented them from getting a supply of provisions, and repaying advances made. Indeed, the visit of the Indians to the north coast, from St. Augustine to Seven Islands, has long ceased to be a pleasure to them. After their long winter tramps, their hard work and their deprivations, they used to find on the sea shore a sufficient quantity of feathered game and seals to enable them to live in a quiet and satisfied manner, and to recruit their strength for the time when they should return to their nomadic life. But at the present time, birds which used to form their principal article of diet, have disappeared; seals are mostly all destroyed; hunting in the woods has fallen off, and to add to all, the Hudson's Bay Company, which used to make them advances on their season's hunt, has changed that practice and given it up. It will thus be easily understood how all these causes combined, must have resulted in great deprivations to the Indians last summer. Matters must but go from bad to worse, and should no timely assistance be given these poor people, they will sooner or later disappear from the coast. The Fisheries Department has always shown the utmost care and consideration towards them. Two years ago they were supplied with nets, and with one of the best salmon fishing stands in the immediate neighborhood of Mingan River, but they pay no attention whatever to it, this mode of fishing being unsuited to their tastes; and I am afraid it will almost be an impossibility to make them understand the usefulness of this station, and the profits they might derive therefrom. Their nets would have all been lost this summer through sheer carelessness, had it not been for the timely assistance of the local Fishery Overseer.

Out of eighty families that came to the sea this season, between St. Augustine and Mingan, about one-half remained at Natashquan, the other half went to Mingan. It is the latter that suffered most.

INSPECTION OF FISH.

Among the grounds of complaint which came under my notice on the coast of Labrador, the greatest was the inspection of fish, and I must admit that in several instances these complaints appear to be well founded. For two seasons past, I paid particular attention to the manner in which this inspection is practised on the Quebec wharves, and I am bound to declare that it cannot possibly improve the quality and standing of our fish, and that both fishermen and consumers would fare better were this inspection made on the spot where the fish are caught. In the opinion of all parties who claim to have any practical knowledge of the matter, the best prepared fish is that which is kept in its first pickle. Fish on being barrelled a second time, after having lost its first pickle, is always of an inferior quality, in spite of all precautions. This is a well established fact among the trade. To my personal knowledge a Quebec merchant, who claims to be a *connoisseur*, came on the wharf in 1877, and offered nine dollars a barrel for mackerel before it was inspected, but as the Inspector insisted upon seeing the fish, this merchant informed the owner that he was satisfied with the fish as it was, but after its inspection he would give no more than eight dollars, for the reasons above stated.

To the danger of thus depreciating the value of fish, must be added the careless way in which some of the Inspectors perform their work by breaking or otherwise injuring the barrels, thus entailing additional costs on the fishermen. The delays occasioned by this inspection, and several other annoying circumstances, also help to place Canadian fishermen on a footing of inferiority on their own markets, when compared with those from Newfoundland who are not obliged to have their fish inspected in Quebec, and pay but a nominal sum to have this inspection made in their own Province. They are thus enabled to undersell our people on their own markets. For the above reasons, I am of opinion that, it would be advisable to have Inspectors distributed on different parts of the Gulf Shores who might inspect the

fish before it be shipped to Quebec, and also on the coast of Labrador. I am not aware of any persons better qualified for these duties than our local Fishery Overseers.

THE FEATHERED GAME OF THE COAST OF LABRADOR.

It has already and repeatedly been explained how the settlers on the coast of Labrador drew the principal part of their living from the sea; there are, however, other sources of wealth which are of the greatest assistance to them during the summer and winter. I allude to the feathered game frequenting the islands and coast, and to their eggs, which supply a ready food, whilst the feathers and down are sold for ready cash, thus enabling settlers to procure articles of clothing.

Although the destruction and production of fish have been almost equally balanced since the beginning of the present century on the north coast, it has not been so with birds, which a sort of half protection could not efficiently defend against continuous warfare at the hands of people having no other object in view but present gain, without any regard whatever for the future. I am not aware that the coast was visited either this season or last by vessels specially engaged in gathering eggs; such expeditions would no longer be considered remunerative, the destruction having taken place on too large a scale in previous years, but our own fishermen, and those from the Maritime Provinces are completing the destruction of the last broods of birds, by frequenting the Islands, killing the birds at all seasons of the year, robbing the nests, destroying the eggs, and often setting fire to the islands most frequented by the feathered game, as has been the case for the past two years. No punishment would be too severe for such shameful conduct, because it is nothing else but a wanton destruction of a reliable source of sustenance to a population which for seven long months is left to its own resources already too restricted. During years like the present, when almost every one on the coast is complaining of starvation, Indians have been known to be on the point of death for want of food, and several of the oldest inhabitants were compelled to leave the coast for want of provisions.

As the game laws of the Provinces are under the control of Local Legislatures, it becomes their imperative duty that some attention be paid to the protection of game on the coast of Labrador. I think that this end could easily be attained by an understanding with the Local Government by which fishery overseers might at the same time be empowered to act as game-keepers. In a few years birds would again be abundant on the coast, and poor as well as rich would feel the benefit of this change; the former in having always on hand cheap and reliable food, the latter in being able to procure at reasonable prices feathers and down, which are now so scarce on our market.

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men, kinds of Nets used, kinds of Fish and Fish Oils, &c.

LABRADOR DIVISION.

| Name of Place. | Vessels. | | | Fishing Boats. | | | Flat Boats. | | No. of Fishermen. | No. of Shoremen. | NETS AND SEINES. | | | | | | | | | |
|------------------------------|----------|-------|--------|-----------------|----------------|-----|-------------|--------|-------------------|------------------|------------------|--------|-------------|--------|-----------------|--------|--------|-----|--------|--|
| | No. | Tons. | Value. | No. of Sailors. | Fishing Boats. | | No. | Value. | | | Salmon Nets. | | Cod Seines. | | Herring Seines. | | | | | |
| | | | | | Value. | No. | | | | | Yards. | No. | Value. | Yards. | No. | Value. | Yards. | No. | Value. | |
| Manicougan | | | \$ | 1 | 150 | | 2 | 22 | 3 | 2 | | | | | | | | | | |
| St. Pancreas | | | | | | | 1 | 15 | 1 | 1 | 1 | 90 | 30 | | | | | | | |
| Les Mistassins..... | | | | | | | 1 | 15 | 1 | 1 | | | | | | | | | | |
| Godbout | | | | 3 | | 80 | 5 | 62 | 8 | 5 | 2 | 180 | 60 | | | | | | | |
| Pointe des Monts..... | 3 | 50 | 1,200 | 4 | 42 | 40 | 1 | 40 | 8 | 5 | | | | | | | | | | |
| Trinity Bay | | | | 3 | 253 | 4 | 6 | 4 | 9 | 10 | 1,900 | 470 | | | | | | | | |
| Petit May River..... | 3 | 33 | 430 | 7 | 130 | | 1 | | 8 | 1 | 2 | 240 | 30 | | | | | | | |
| Islets à Caribon..... | 1 | 17 | 600 | 3 | 61 | 810 | 7 | 63 | 100 | 50 | 1 | 120 | 30 | | | | | | | |
| Isle aux Œufs..... | 1 | 18 | 500 | 5 | 10 | | 4 | | 4 | 4 | | | | | | | | | | |
| Pointe aux Anglaises..... | | | | 2 | 89 | | 2 | 7 | 16 | 8 | | | | | | | | | | |
| Rivière Pentecôte..... | 3 | 46 | 1,050 | 10 | 317 | | 2 | 13 | 15 | 15 | | | | | | | | | | |
| Caillès Rouges..... | 1 | 5 | 200 | 3 | 179 | 34 | 14 | 14 | 14 | 14 | | | | | | | | | | |
| Pointe des Cawees..... | 6 | 108 | 300 | 3 | 10 | 28 | 5 | 5 | 5 | 5 | 1 | 60 | 10 | | | | | | | |
| Pointe Jambon..... | 1 | | 1,780 | 27 | 10 | 163 | 7 | 52 | 44 | 1 | 100 | 20 | | | | | | | | |
| Rivière Ste. Marguerite..... | 1 | | | 5 | 125 | 26 | 11 | 26 | 11 | | 8 | 800 | 16 | | | | | | | |
| Sept Isles..... | | | | 9 | 90 | 3 | 25 | | 12 | | | | | | | | | | | |
| Moisie..... | | | | 11 | 120 | | 5 | 40 | 15 | 8 | | | | | | | | | | |
| Pignon..... | | | | 24 | 270 | | 6 | 240 | 64 | 12 | 78 | 12,810 | 3,012 | | | | | | | |
| Rivière à la Truite..... | | | | 6 | 300 | | 2 | 20 | 12 | 7 | | | | | | | | | | |
| Shallop River..... | | | | 73 | 4,380 | | 21 | 250 | 146 | 91 | 3 | 350 | 150 | 13 | 2,650 | 2,600 | | | | |
| Sheldrake..... | | | | 1 | 50 | | 2 | 20 | 2 | 2 | | | | | | | | | | |
| Primrose Cove..... | | | | 30 | 2,000 | | 12 | 150 | 60 | 60 | | | | | | | | | | |
| Thunder River..... | | | | 15 | 900 | | 6 | 60 | 30 | 22 | | | | | | | | | | |
| Indian Harbour..... | | | | 16 | 1,000 | | 6 | 60 | 32 | 15 | | | | | | | | | | |
| Ridge Point..... | | | | 1 | 20 | | 2 | 20 | 2 | 1 | 2 | 160 | 85 | | | | | | | |
| Juptagan..... | | | | 1 | 2 | | 15 | 180 | 190 | 142 | | | | | | | | | | |
| Meggie..... | | | | 95 | 5,700 | | 15 | | | | | | | | | | | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men, kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

LABRADOR DIVISION.—Continued.

| Name of Place. | NETS AND SEINES. | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|------------------|--------|--------|--------------------|--------|--------|----------------|--------|--------|-----------------|--------|--------|---------------|--------|--------|------------|--------|--------|------------------|--------|--------|-------------|--------|--------|--|
| | Herring Nets. | | | Mackerel (Seines.) | | | Mackerel Nets. | | | Capelin Seines. | | | Lance Seines. | | | Seal Nets. | | | Brush Fisheries. | | | Trout Nets. | | | |
| | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | |
| Manicouagan..... | | | \$ | | | \$ | | | | | | | | | | | | | | | | | | | |
| St. Pancrace..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Les Mistassins..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Godbout..... | 2 | 105 | 32 | 1 | 360 | 506 | | 2 | 180 | 80 | | | | | | | | | | | | | | | |
| Pointe des Monts..... | 3 | 180 | 55 | | | | | | | | | | | | | | | | | | | | | | |
| Trinity Bay..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Petit May River..... | 1 | 48 | 4 | | | | | | | | | | | | | | | | | | | | | | |
| Islets à Caribou..... | 1 | 32 | 12 | | | | | | | | | | | | | | | | | | | | | | |
| Isle aux Œufs..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pointe aux Aigrais..... | 7 | 262 | 66 | | | | | | | | | | | | | | | | | | | | | | |
| Rivière Pentecôte..... | 2 | 60 | 10 | | | | | | | | | | | | | | | | | | | | | | |
| Caillies Rouges..... | 2 | 80 | 26 | | | | | | | | | | | | | | | | | | | | | | |
| Pointe des Caves..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pointe Jambon..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rivière Ste. Marguerite..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sept Isles..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Moisie..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pigou..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rivière à la Truite..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Suallop River..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sheldrake..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Primrose Cove..... | 2 | 80 | 80 | | | | | | | | | | | | | | | | | | | | | | |
| Thunder River..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Indian Harbour..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ridge Point..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jupitagan..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Magpie..... | 6 | 180 | 72 | | | | | | | | | | | | | | | | | | | | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Vessels, number of Men, kinds of Nets used, and Fish and Fish Oils, &c.—Continued.

LABRADOR DIVISION.—Continued.

| Name of Place. | Vessels. | | | Fishing Boats. | | Flat Boats. | | No. of Fishermen. | No. of Shoremen. | NETS AND RINES. | | | | | | | | | | | | | | | | | | |
|-------------------------|----------|-------|--------|-----------------|-----|-------------|-------|-------------------|------------------|-----------------|--------------|--------|-------------|-----|-----------------|--------|-----|--------|--------|--|--|--|--|--|--|--|--|--|
| | No. | Tons. | Value. | No. of Sailors. | No. | Value. | No. | | | Value. | Salmon Nets. | | Cod Seines. | | Herring Seines. | | | | | | | | | | | | | |
| | | | | | | | | | | | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | | | | | | | | | |
| Magnie River..... | 2 | | 60 | | 2 | \$ | 3 | 20 | 4 | 2 | 5 | 260 | | | | | | | | | | | | | | | | |
| St. John's River..... | 114 | | 6,840 | | 20 | | 30 | 250 | 228 | 130 | 8 | 2,522 | | | | | | | | | | | | | | | | |
| Long Point..... | 20 | | 800 | | 7 | | 180 | 180 | 40 | 22 | 4 | 120 | | | | | | | | | | | | | | | | |
| Mingan River..... | | | | | 2 | | 24 | 24 | 2 | 4 | 2 | 800 | | | | | | | | | | | | | | | | |
| Romaine River..... | | | | | 1 | | 10 | 10 | 2 | 2 | 2 | 240 | | | | | | | | | | | | | | | | |
| Esquimaux Point..... | 23 | 853 | 30,400 | 90 | 61 | \$ | 1,261 | 805 | 124 | 85 | | | | | | | | | | | | | | | | | | |
| Betchuan..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ateaptal Bay..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piashter Bay..... | 4 | 114 | 6,030 | 57 | 17 | | 606 | 107 | 50 | 37 | 9 | 502 | | | | | | | | | | | | | | | | |
| Cornelle..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Watsheeshoo..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Little Watsheeshoo..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nabissipi..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agwanus..... | 1 | 30 | 1,400 | 3 | 7 | | 356 | 7 | 14 | 7 | 5 | 400 | | | | | | | | | | | | | | | | |
| Washatwooks..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Watsheeshoo..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Natasquan..... | 7 | 251 | 4,000 | 38 | 26 | | 1,728 | 9 | 72 | 96 | 87 | | | | | | | | | | | | | | | | | |
| Natasquan..... | 4 | 74 | 1,200 | 25 | 8 | | 1,250 | 440 | 50 | 21 | 3 | 760 | 610 | | | | | | | | | | | | | | | |
| Natasquan River..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kegs-hka..... | 1 | 8 | 160 | 2 | 2 | | 100 | 60 | 18 | | 4 | 300 | 300 | | | | | | | | | | | | | | | |
| Kegs-hka River..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Micmac Point..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Musquaro..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Washbecoutal River..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Washbecoutal Point..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Romaine River..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cocoschoo..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cape Whittle..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men, kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

LABRADOR DIVISION.—Continued.

| Name of Place. | Herring Nets. | | Mackerel Seines. | | Mackerel Nets. | | Capelin Seines. | | Lance Seines. | | Seal Nets. | | Brush Fisheries. | | Trout Nets. | |
|-----------------------------------|---------------|--------|------------------|--------|----------------|--------|-----------------|--------|---------------|--------|------------|--------|------------------|--------|-------------|--------|
| | No. | Yards. | No. | Yards. | No. | Yards. | No. | Yards. | No. | Yards. | No. | Yards. | No. | Value. | No. | Value. |
| Pointe du Mourier..... | | | | | | | | | | | | | | | | |
| St. Mary's Island..... | | | | | | | | | | | | 8 | 240 | 25 | | |
| Nesagamion River..... | | | | | | | | | | | | 4 | 200 | 20 | | |
| Harrington Harbour..... | 11 | 450 | 238 | | 1 | 60 | 32 | | | | | 5 | 150 | 12 | | |
| Little Meccatina..... | | | | | | | | | | | | | | | | |
| Gull Island..... | | | | | | | | | | | | 10 | 480 | 108 | | |
| Rigolet au Chat..... | | | | | | | | | | | | 4 | 400 | 300 | | |
| Sloop Harbour..... | | | | | | | | | | | | | | | | |
| Whale's Head, Meccatina..... | 16 | 602 | 205 | | | | | | | | | 3 | 400 | 300 | | |
| Rivière and Baie des Moutons..... | 3 | 120 | 40 | | 2 | 80 | 30 | | | | | | | | | |
| Grand Meccatina..... | | | | | 1 | 60 | 40 | | | | | | | | | |
| Pointe Rouge..... | 1 | 40 | 8 | | | | | | | | | 4 | 300 | 180 | | |
| Grande Meccatina Island..... | 1 | 40 | 10 | | | | | | | | | 6 | 400 | 200 | | |
| Tabatière..... | 1 | 40 | 10 | | 1 | 50 | 16 | | | | | 15 | 1,400 | 2,000 | | |
| Spar Point..... | | | | | | | | | | | | 20 | 2,000 | 3,000 | | |
| Sandy Cove..... | | | | | | | | | | | | 6 | 90 | 12 | | |
| Fonderie Fecteau..... | | | | | 2 | 80 | 25 | | | | | | | | | |
| Kikapoo Island..... | | | | | | | | | | | | 3 | 200 | 100 | | |
| Kikapoo River..... | | | | | | | | | | | | | | | | |
| Pointe Rouge Pocachoo..... | | | | | | | | | | | | | | | | |
| Pocachoo Island..... | | | | | | | | | | | | | | | | |
| Little Rigolet..... | | | | | | | | | | | | | | | | |
| Big Rigolet..... | | | | | | | | | | | | | | | | |
| St. Augustine Island..... | | | | | | | | | | | | | | | | |
| River Island, St. Augustine..... | | | | | | | | | | | | | | | | |
| St. Augustine River..... | | | | | | | | | | | | | | | | |
| St. Augustine Bay..... | | | | | | | | | | | | | | | | |
| Salt Lake, St. Augustine..... | | | | | | | | | | | | | | | | |

NETS AND SEINES.

RETURN OF FISHING STATIONS, kinds of Vessels, number of men, kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

LABRADOR DIVISION.—Continued.

| Name of Place. | Vessels. | | | Fishing Boats. | | Flat Boats. | | No. of Fishermen. | No. of Shoremen. | Salmon Nets. | | | Cod Seines. | | | Herring Seines. | | |
|---------------------------------|----------|-------|--------|-----------------|-----|-------------|-----|-------------------|------------------|--------------|-----|--------|-------------|-----|--------|-----------------|-----|--------|
| | No. | Tons. | Value. | No. of Sailors. | No. | Value. | No. | | | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. |
| Dog Island, St. Augustine | | | \$ | | | | | | | | | | | | | | | |
| Sandy Island | | | | | 2 | 32 | | | | | | | | | | | | |
| St. Augustine Harbour | | | | | 1 | 30 | | | | | | | | | | | | |
| Pointe à Giroux | | | | 1 | | 20 | | | | | | | | | | | | |
| Canso Harbour | | | | | 2 | 44 | | | | | | | | | | | | |
| Chicafica | | | | 1 | | 40 | | | | | | | | | | | | |
| Nabittipi River | | | | 2 | | 72 | | | | | | | | | | | | |
| Bull Cove | | | | | 1 | 100 | | | | | | | | | | | | |
| Bay of Rocks | | | | 3 | | 150 | | | | | | | | | | | | |
| Lydias Cove | | | | | 2 | 40 | | | | | | | | | | | | |
| Dog Island | | | | | 2 | 40 | | | | | | | | | | | | |
| Pâche à Lizotte | | | | 1 | | 20 | | | | | | | | | | | | |
| Old Fort Island | | | | 5 | | 200 | | | | | | | | | | | | |
| Burnt Island | | | | 1 | | 50 | | | | | | | | | | | | |
| Bonne Espérance | 1 | 40 | 1,500 | 5 | | 700 | | | | | | | | | | | | |
| St. Paul's River | | | | 2 | | 150 | | | | | | | | | | | | |
| Pigeon Island | | | | 4 | | 300 | | | | | | | | | | | | |
| Suck Point | | | | 4 | | 300 | | | | | | | | | | | | |
| Salmon Bay | | | | 4 | | 3,140 | | | | | | | | | | | | |
| Little Fishery | 4 | 350 | 6,030 | 18 | | 1,100 | | | | | | | | | | | | |
| Five Leagues | | | | 1 | | 80 | | | | | | | | | | | | |
| Belles Amours | | | | 2 | | 120 | | | | | | | | | | | | |
| Bradore | | | | 1 | | 60 | | | | | | | | | | | | |
| L'Anse des Dunes | | | | 2 | | 70 | | | | | | | | | | | | |
| | | | | 1 | | 40 | | | | | | | | | | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men, kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

LABRADOR DIVISION.—Continued.

NETS AND SEINES.

| Name of Place. | Herring Nets. | | Mackerel Seines. | | Mackerel Nets. | | Capelin Seines. | | Lance Seines. | | Seal Nets. | | Brush Fisheries. | | Trout Nets. | |
|--------------------------------|---------------|--------|------------------|-----|----------------|--------|-----------------|--------|---------------|-----|------------|--------|------------------|--------|-------------|--------|
| | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | No. | Value. |
| Dog Island, St. Augustine..... | | | \$ | | | | | | | | | | | | | |
| Sandy Island..... | | | | | | | | | | | | | | | | |
| St. Augustine Harbour..... | | | | | | | | | | | | | | | | |
| Pointe à Giroux..... | | | | | | | | | | | | | | | | |
| Canso Harbour..... | | | | | | | | | | | | | | | | |
| Chicatica..... | | | | | | | | | | | | | | | | |
| Nahitipi River..... | | | | | | | | | | | | | | | | |
| Bull Cove..... | 1 | 40 | 20 | | | | | | | | | | | | | |
| Bay of Rocks..... | | | | | | | | | | | | | | | | |
| Lydias Cove..... | | | | | | | | | | | | | | | | |
| Dog Island..... | | | | | | | | | | | | | | | | |
| Pêche à Lizotte..... | | | | | | | | | | | | | | | | |
| Old Fort Island..... | | | | | | | | | | | | | | | | |
| Burnt Island..... | | | | | | | | | | | | | | | | |
| Bonne Espérance..... | 5 | 200 | 100 | 1 | 40 | 20 | 2 | 200 | 110 | 1 | 50 | 60 | | | | |
| St. Paul's River..... | | | | | | | | | | | | | | | | |
| Pigeon Island..... | | | | | | | | | | | | | | | | |
| Stick Point..... | | | | | | | | | | | | | | | | |
| Salmon Bay..... | 4 | 200 | 100 | 6 | 460 | 360 | 1 | 200 | 200 | | | | | | | |
| Little Fishery..... | | | | | | | | | | | | | | | | |
| Five Leagues..... | | | | | | | | | | | | | | | | |
| Belles Amours..... | | | | | | | | | | | | | | | | |
| Bradore..... | | | | | | | | | | | | | | | | |
| L'Anse des Dunes..... | | | | | | | | | | | | | | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men, kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

LABRADOR DIVISION.—Continued.

| Name of Place. | Vessels. | | | | Fishing Boats. | | Flat Boats. | | No. of Fishermen. | No. of Shoremen. | NETS AND SEINES. | | | | | | | | |
|---|----------|-------|----------|-----------------|----------------|---------|-------------|---------|-------------------|------------------|------------------|--------|-------------|--------|---------------|-------|--------|--------|-------|
| | No. | Tons. | Value. | No. of Sailors. | No. | Value. | No. | Value. | | | Salmon Nets. | | Cod Seines. | | Herring Nets. | | | | |
| | | | | | | | | | | | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | |
| | | | | | | | | | | | | | | | | | | | No. | Value. | No. | Value. |
| Long Point. | 1 | 80 | \$ 1,200 | 6 | 9 | \$ 340 | 7 | \$ 260 | 22 | 71 | 1 | 200 | 1 | 200 | 1 | 200 | 1 | \$ | 100 |
| Number of Schooners from United States, Newfoundland and the Maritime Provinces, fishing for Cod within the Division of Bonne Esperance | 230 | | | | | | | | | | | | | | | | | | |
| | 298 | 2,167 | \$8,950 | 296 | 872 | \$8,395 | 533 | \$7,744 | 1,834 | 1,085 | 29 | 6,070 | 29 | 7,350 | 81 | 5,650 | 81 | \$ | 4,113 |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men, kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

LABRADOR DIVISION.—Continued.

| Name of Place. | NETS AND SEINES. | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|--------|--------|------------------|--------|--------|----------------|--------|--------|-----------------|--------|--------|----------------|--------|--------|------------|--------|--------|-------------------|--------|--------|-------------|--------|--------|--|
| | Herring Nets. | | | Mackerel Seines. | | | Mackerel Nets. | | | Capelin Seines. | | | Launce Seines. | | | Seal Nets. | | | Brush Fish-eries. | | | Trout Nets. | | | |
| | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | |
| Long Point..... | 98 | 4,139 | 1,603 | 2 | 410 | 516 | 18 | 600 | 245 | 1 | 100 | 50 | | | 22 | 1,100 | 1,100 | | | | | | | | |
| Number of Schooners from United States, Newfoundland and the Maritime Provinces, fishing for Cod within the Division of Bonne Esperance..... | | | | | | | | | | | | | | | | | | | | | | | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of

LABRADOR

| Name of Place. | Salmon, Cured, brls. | Salmon, Fresh, in ice, lbs. | Salmon, in cans, lbs. | Salmon, Smoked, boxes. | Summer | Fall | Haddock, quintals. | Ling, quintals. | Halibut, brls. | Herring, brls. | Smoked Herring, boxes. |
|-------------------------|----------------------|-----------------------------|-----------------------|------------------------|----------------|----------------|--------------------|-----------------|----------------|----------------|------------------------|
| | | | | | Fishing. | Fishing. | | | | | |
| | | | | | Cod, quintals. | Cod, quintals. | | | | | |
| Manicouagan | | | | | 20 | | | | | | |
| St. Pancrace | 4 | | | | | | | | | | |
| Les Mistassius | | | | | 10 | | | | | | |
| Godbout | 23 | 2,811 | | | 159 | | | | 2 | | 7 |
| Pointe des Monts | | | | | 30 | 84 | | | 2 | | |
| Trinity Bay and River | 56 | | | | | 42 | | | | | |
| Petit May River | 6 | | | | | 312 | | | | | |
| Islets à Caribou | 44 | | | | | 1,155 | | | | | |
| Calumet River | 6 | | | | | | | | | | |
| Isle aux Œufs | | | | | | 43 | | | | | |
| Pointe aux Anglais | | | | | | 376 | | | | | |
| Rivière Pentecôte | | | | | | 470 | | | | | |
| Cailles Rouges | | | | | | 575 | | | 46 | | |
| Pointe des Cawees | 1 | | | | | 25 | | | | | |
| do (American schooners) | | | | | | | | | | | |
| Pointe Jambon | 5 | | | | 243 | | | | | | 90 |
| Rivière Ste Marguerite | 16 | | | | 60 | | | | 4 | | 150 |
| Sept Isles | | | | | 400 | | | | 6 | | 75 |
| Moisie | | 30,702 | | | 1,266 | | | | 4 | | |
| Pigou | | | | | 600 | | | | 6 | | |
| Trout River | 393 | | | | 623 | | | | 6 | | |
| Shallop River | | | | | 500 | 100 | | | | | |
| Shelldrake | 9 | | | | 5,250 | 600 | | | | | |
| Primrose Cove | | | | | 100 | 25 | | | 7 | | |
| Thunder River | | | | | 3,125 | 125 | | | | | |
| Indian Harbour | | | | | 1,300 | | | | | | |
| Ridge Point | | | | | 1,200 | 250 | | | | | |
| Jupitagan | 23 | | | | | 26 | | | | | |
| Magpie | | | | | 8,200 | 300 | | | | | 5 |
| Magpie River | 100 | | | | 14 | 25 | | | | | |
| St. John River | 290 | | | | 7,500 | 150 | | | | | |
| Long Point | 6 | | | | 1,050 | 150 | 3 | | 25 | | |
| Mingan River | 100 | 240 | | | | | | | | | |
| Romaine River | 23 | | | | | | | | | | |
| Esquimaux Point | | | | | 2013 | | | | | | 887 |
| Betchouan | | | | | 251 | | | | | | |
| Ateepetal Bay | 1 | | | | | | | | | | |
| Piashter Bay | 1 | | | | 47 | 3 | | | 1 | | 3 |
| Corneille | 10 | | | | | | | | | | |
| Grand Watsheeshoo | 1 | | | | 17 | | | | | | |
| Little Watsheeshoo | 9 | | | | | | | | | | |
| Nabissipi | 16 | | | | 110 | | | | | | 11 |
| Agwanus | 13 | | | | 171 | | | | | | |
| Washtahwooka Bay | | | | | 180 | | | | | | 2 |
| Natashquan Harbour | | | | | 1900 | | | | | | 12 |
| Natashquan | 47 | | | | 355 | | | | | | 50 |
| Natashquan River | 400 | | | | | 154 | | | | | |
| Kegashka River | 26 | 90 | | | 40 | | | | | | |
| Kegashka Harbour | | | | | 350 | | | | | | |
| Micmac Point | 5 | | | | 10 | | | | | | |
| Musquaro | 5 | | | | 30 | | | | | | |
| Washeecoutai River | 24 | | | | 10 | | | | | | |
| Washeecoutai Point | 8 | | | | 10 | | | | | | |

Men, kinds of Nets used, kinds of Fish and Fish Oils, &c.

DIVISION.

| Mackerel, brls. | Trout, brls. | Sardines, brls. | Eels, brls. | Tunny, brls. | Cod Tongues & Sounds, brls. | Seals, Whales and Porpoises. | | | | Oils. | | | Fish and Clams used as Bait and Manure. | | | | Fish used for Local Consumption, brls. | | |
|-----------------|--------------|-----------------|-------------|--------------|-----------------------------|------------------------------|--------------------|----------------|-------------------|------------------|-------------------|----------------------|---|-----------------------------|-------------------------|--------------|--|-----------------|--------------|
| | | | | | | 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 and Mackerel, brls. | Capelin & Launce, brls. | Smelt, brls. | | Cod Roes, brls. | Clams, brls. |
| | | | | | | 8 | 8 | | | 40 | | | 8 | | 14 | | | | |
| | | | | | | | | | | | | | 4 | | | | | | |
| 9 | | | | | | 141 | 141 | 1 | | 1,865 | 100 | | 63 | | 19 | | | | |
| 2 | 8 | | | | | 208 | 208 | | | 1,648 | | | 96 | | | | 4 | | 7 |
| | 4 | | | | | | | | | | | | 26 | | | | 2 | | 8 |
| 5 | 4 | | | | | | | | | | | | 269 | | | | 20 | | 11 |
| | | | | | | | | | | | | | 853 | 52 | 23 | | 40 | | 70 |
| | | | | | | | | | | | | | | | | | | | |
| | 6 | 1 | | | | | | | | | | | 21 | | | | 4 | | 4 |
| | 11 | 6 | | | | | | | | | | | 205 | 20 | 10 | | 8 | | 16 |
| | 6 | | | | | | | | | | | | 263 | 10 | 14 | | 12 | | 12 |
| | | | | | | | | | | | | | 310 | 6 | 9 | | 25 | | 11 |
| | | | | | | | | | | | | | | | | | 350 | | |
| 3,500 | | | | | | | | | | | | | | | | | | | |
| 39 | 2 | | | | | | | | | | | | 320 | | | | 215 | | |
| 8 | | | | | | | | | | | | | 100 | | 200 | | 400 | | |
| 130 | | | | | | 60 | 60 | | | 335 | | | 300 | | | | 10 | | |
| 20 | | | | | | | | | | | | | 550 | | | | 300 | | 100 |
| 11 | | | | | | | | | | | | | 800 | | 100 | | 12 | | |
| 6 | | | | | | | | | | | | | 550 | | | | 220 | | |
| | | | | | | | | | | | | | 450 | | 160 | | | | |
| | | | | | | | | | | | | | 4,300 | | 1,460 | | | | |
| | | | | | | | | | | | | | 60 | | 20 | | | | |
| | | | | | | | | | | | | | 2,750 | | 1,025 | | | | |
| | | | | | | | | | | | | | 900 | | 300 | | | | |
| | | | | | | | | | | | | | 900 | | 400 | | | | |
| | | | | | | | | | | | | | 15 | | 15 | | | | |
| | | | | | | | | | | | | | 5,000 | | 1,900 | | | | |
| | | | | | | | | | | | | | 30 | | 30 | | | | |
| | | | | 15 | | | | | | | | | 4,100 | | 3,000 | | | | |
| | | | | 5 | | 30 | 30 | | | 60 | | | 900 | | 400 | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | 11060 | 11080 | | | 44175 | | | 1299 | | 1000 | | | | |
| | | | | | | 708 | 708 | | | 2940 | | | 140 | 420 | 870 | | | | 45 |
| | | | | | | 31 | 31 | | | 60 | | | | | | | | | |
| | | | | | | 7 | 7 | | | 15 | | | 18 | | 90 | | | | 3 |
| | | | | | | 4 | 4 | | | 8 | | | | | | | | | |
| | | | | | | | | | | | | | | | 13 | | | | |
| | | | | | | 14 | 14 | | | 18 | | | | | | | | | 1 |
| | | | | | | 20 | 20 | | | 80 | | | | | 32 | | | | 1 |
| | | | | | | 23 | 23 | | | 72 | | | | | 51 | | | | 5 |
| | | | | | | 300 | 300 | | | 1100 | | | | | 66 | | | | 8 |
| | | | | | | | | | | | | | | | 50 | | | | 2 |
| | | | | | | | | | | | | | 980 | 10 | 59 | | | | 10 |
| | | | | | | 4610 | 4610 | | | 16450 | | | 294 | | 59 | | | | |
| | | | | | | 30 | 30 | | | 90 | | | 128 | | 21 | | | | 3 |
| | | | | | | 2 | 2 | | | 15 | | | 15 | | | | | | |
| | | | | | | 100 | 100 | | | 300 | | | 125 | 60 | 1000 | | 74 | | 15 |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

LABRADOR

| Name of Place. | Salmon, Cured, brls. | Salmon, Fresh, in ice, lbs. | Salmon, in cans, lbs. | Salmon, Smoked, boxes. | Summer | Fall | Haddock, quintals. | Ling, quintals. | Halibut, brls. | Herring, brls. | Smoked Herring, boxes. |
|-----------------------------------|----------------------|-----------------------------|-----------------------|------------------------|----------------|----------------|--------------------|-----------------|----------------|----------------|------------------------|
| | | | | | Fishing. | Fishing. | | | | | |
| | | | | | Cod, quintals. | Cod, quintals. | | | | | |
| Becsie River..... | | 38 | | | | | | | | | |
| Mistassini River..... | | 5 | | | | | | | | | |
| Romain River..... | 22 | | | | 15 | | | | | | |
| Cocoachoo..... | 10 | | | | | | | | | | |
| Cape Whittle..... | 2 | | | | 8 | | | | | | |
| Pointe du Mourier..... | 5 | | | | | | | | | | |
| St. Mary's Island..... | | | | | 18 | | | | | | |
| Netagamion River..... | 68 | | | | 49 | | | | | | |
| Harrington Harbour..... | 6 | | | | 445 | | | | | 6 | |
| Little Meccatina..... | 6 | | | | 37 | | | | | | |
| Gull Island, Meccatina..... | 5 | | | | 59 | | | | | | |
| Rigolet au Chat..... | | | | | 61 | | | | | | |
| Sloop Harbour..... | | | | | 119 | | | | | | |
| Whale's Head, Meccatina..... | 29 | | | | 128 | | | | | | |
| Rivière and Baie des Moutons..... | 51 | | | | 395 | 108 | | | | 55 | |
| Grand Meccatina..... | 12 | | | | 100 | | | | | | |
| Baie Rouge..... | 12 | | | | 80 | | | | | | |
| Tabatière..... | 10 | | | | | | | | | | |
| Spar Point..... | 6 | | | | 60 | | | | | | |
| Sandy Cove..... | | | | | 45 | | | | | | |
| Meccatina Island..... | 6 | | | | 3 | | | | | | |
| Fonderie Fecteau..... | 12 | | | | | | | | | | |
| Kikapoe Island..... | 7 | | | | | | | | | | |
| Kikapoe River..... | 5 | | | | | | | | | | |
| Pointe Rouge Pacachoo..... | 6 | | | | | | | | | | |
| Pacachoo Island..... | 24 | | | | | | | | | | |
| Little Rigolet..... | 10 | | | | | | | | | | |
| Big Rigolet..... | 10 | | | | | | | | | | |
| St. Augustine Island..... | 15 | | | | | | | | | | |
| River Island, St. Augustine..... | 2 | | | | | | | | | | |
| St. Augustine River..... | 25 | | | | | | | | | | |
| St. Augustine Bay..... | 10 | | | | | | | | | | |
| St. Augustine Harbour..... | 2 | | | | 44 | | | | | | |
| Salt Lake, St. Augustine..... | 40 | | | | | | | | | | |
| Dog Island, St. Augustine..... | 40 | | | | | | | | | | |
| Sandy Island..... | 10 | | | | | | | | | | |
| Pointe à Giroux..... | 24 | | | | 15 | | | | | | |
| Canso Harbour..... | 8 | | | | 12 | | | | | | |
| Chicatica Island..... | 12 | | | | 89 | | | | | | |
| Bull Cove..... | 30 | | | | 50 | | | | | | |
| Bay of Rocks..... | 20 | | | | 200 | | | | | | |
| Lydia's Cove..... | 17 | | | | 10 | | | | | | |
| Dog Island..... | 13 | | | | 10 | | | | | | |
| Pêche à Lizotte..... | 8 | | | | 20 | | | | | | |
| Old Fort Island..... | | | | | 150 | | | | | | |
| Burnt Island..... | 1 | | | | 20 | | | | | | |
| Bonne Espérance..... | 20 | | | | 1,700 | | | | | | |
| St. Paul's River..... | 50 | | | | 30 | | | | | | |
| Pigeon Island..... | 20 | | | | 800 | | | | | | |
| Stick Point..... | 17 | | | | 900 | | | | | | |
| Salron Bay..... | 37 | | | | 6,510 | | | | | | |
| Little Fishery..... | 20 | | | | 100 | | | | | | |
| Five Leagues..... | 8 | | | | 150 | | | | | | |

kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

DIVISION.—Continued.

| Mackerel, brls. | Trout, brls. | Sardines, brls. | Eels, brls. | Tunny, brls. | Cod Tongues & Sounds, brls. | Seals, Whales and Porpoises. | | | | Oils. | | | | Fish and Clams used as Bait and Manure. | | | | Fish used for Local Consumption, brls. |
|-----------------|--------------|-----------------|-------------|--------------|-----------------------------|------------------------------|--------------------|----------------|-------------------|------------------|-------------------|----------------------|-----------------|---|-------------------------|--------------|-----------------|--|
| | | | | | | 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 and Mackerel, brls. | Capelin & Launce, brls. | Smelt, brls. | Cod Roes, brls. | |
| | | | | | | 40 | 40 | | | 120 | | | 15 | | | | | |
| | | | | | | | | | | | | | 12 | | | | | |
| | | | | | | | | | | | | | 35 | | | | | |
| | | | | | | | | | | | | | 358 | | | | | |
| | | | | | | | | | | | | | 25 | | | | | |
| | | | | | | 45 | 45 | | | 313 | | | 72 | | | | | |
| | | | | | | 75 | 75 | | | 315 | | | 55 | | | | | |
| | | | | | | | | | | | | | 97 | | | | | |
| | | | | | | | | | | | | | 81 | | | | | |
| 35 | | | | | | 88 | 88 | | | 560 | | | 766 | | | | | |
| 160 | | | | | | | | | | | | | 80 | | | | | |
| | | | | | | 49 | 49 | | | 343 | | | 70 | 27 | 451 | | | |
| | | | | | | 631 | 631 | | | 4,417 | | | | | | | | |
| 15 | | | | | | 875 | 875 | | | 3,000 | | | 25 | | | | | |
| 8 | | | | | | 31 | 31 | | | 40 | | | 30 | | | | | |
| | | | | | | 175 | 175 | | | 1,100 | | | | | | | | |
| | | | | | | 20 | 20 | | | 40 | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | 35 | 35 | | | 90 | | | | | | | | |
| 5 | | | | | | 50 | 50 | | | 350 | | | 35 | | | | | |
| 1 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 7 | | | | | |
| | | | | | | | | | | | | | 5 | | | | | |
| | | | | | | | | | | | | | 66 | | | | | |
| | | | | | | | | | | | | | 50 | | | | | |
| 4 | | | | | | | | | | | | | 200 | | | | | |
| 2 | | | | | | | | | | | | | 10 | | | | | |
| 2 | | | | | | 47 | 47 | | | 300 | | | 10 | | | | | |
| | | | | | | | | | | | | | 20 | | | | | |
| 6 | | | | | | | | | | | | | 150 | | | | | |
| 1 | | | | | | | | | | | | | 20 | | | | | |
| | | | | | | | | | | | | | 1,700 | | | | | |
| 4 | | | | | | | | | | | | | 30 | | | | | |
| | | | | | | 16 | 16 | | | 100 | | | 800 | 47340 | | | | 2,580 |
| 2 | | | | | | | | | | | | | 900 | | | | | |
| | | | | | | | | | | | | | 6,510 | | | | | |
| | | | | | | 32 | 32 | | | 200 | | | 100 | | | | | |
| | | | | | | 96 | 96 | | | 600 | | | 150 | | | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

LABRADOR

| Name of Place. | Salmon, Cured, brls. | Salmon, Fresh, in Ice, lbs. | Salmon, in cans, lbs. | Salmon, Smoked, boxes. | Summer | Fall | Haddock, quintals. | Ling, quintals. | Halibut, brls. | Herring, brls. | Smoked Herring, boxes. |
|---|----------------------|-----------------------------|-----------------------|------------------------|----------------|----------------|--------------------|-----------------|----------------|-----------------------|------------------------|
| | | | | | Fishing. | Fishing. | | | | | |
| | | | | | Cod, quintals. | Cod, quintals. | | | | | |
| Belles Amours..... | | | | | 20 | | | | | | |
| Bradore..... | | | | | 35 | | | | | | |
| L'Anse des Dunes..... | 4 | | | | 50 | | | | | | |
| Long Point..... | 1 | | | | 1,270 | | | | | | |
| Taken by Schooners from United States, Newfoundland and the Maritime Pro- vinces..... | | | | | 104,000 | | | | | 13,770 | |
| | 2,449 | 33,886 | | | 155,381 | 5,098 | 3 | 109 | | 15,116 | 7 |
| Fly-Fishing :— River Godbout..... | | | | | | | | | | 2,811 lbs. of Salmon. | |
| do do Moisie..... | | | | | | | | | | 3,396 do | |
| do do Kegashka..... | | | | | | | | | | 90 do | |
| do do Mingan..... | | | | | | | | | | 240 do | |
| do do Mistassini..... | | | | | | | | | | 5 do | |
| do do Becscie..... | | | | | | | | | | 38 do | |
| Total..... | | | | | | | | | | 6,580 do | |

kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

DIVISION.—Continued.

| Mackerel, brls. | Trout, brls. | Sardines, brls. | Eels, brls. | Tunny, brls. | Cod Tongues & Sounds, brls. | Seals, Whales and Porpoises. | | | | Oils. | | | Fish and Clams used as Bait and Manure. | | | | Fish used for Local Consumption, brls. | | | |
|-----------------|--------------|-----------------|-------------|--------------|-----------------------------|------------------------------|--------------------|----------------|-------------------|------------------|-------------------|----------------------|---|-----------------------------|-------------------------|--------------|--|----------------|--------------|-------|
| | | | | | | 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 and Mackerel, brls. | Capelin & Lancee, brls. | Smelt, brls. | | Cod Roe, brls. | Clams, brls. | |
| | | | | | | 47 | 47 | ..... | ..... | 300 | ..... | ..... | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | | 143 | 143 | ..... | ..... | 900 | ..... | ..... | 35 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | | 48 | 48 | ..... | ..... | 300 | ..... | ..... | 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | | 176 | 176 | ..... | ..... | 1,000 | ..... | ..... | 1,270 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | | | | | | | | | | | | 104,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 4,077 | 69 | ..... | ..... | ..... | 32 | 20,075 | 20,075 | ..... | 1 | 83,759 | ..... | 100 | 145,336 | 605 | 60,142 | ..... | 1,157 | 539 | ..... | 3,512 |

RECAPITULATION.

YIELD and Value of the different Fisheries of the Labrador Division in 1878.

| Kinds of Fish. | Quantities. | Prices. | | Value. | |
|--|---------------------|---------|------|---------|--------------|
| | | \$ | cts. | \$ | cts. |
| Summer Codfishing..... | 155,381 quintals.. | 5 | 00 | 776,905 | 00 |
| Autumn do | 8,098 do | 5 | 00 | 25,490 | 00 |
| Mackerel..... | 4,077 barrels..... | 10 | 00 | 40,770 | 00 |
| Herrings, pickled..... | 18,116 do | 5 | 00 | 75,550 | 00 |
| do smoked..... | 7 boxes..... | 0 | 25 | 1 | 75 |
| Salmon, pickled..... | 2,449 barrels..... | 12 | 00 | 29,388 | 00 |
| do fresh in ice..... | 33,886 lbs..... | 0 | 05 | 1,694 | 30 |
| Trout..... | 69 barrels..... | 8 | 00 | 552 | 00 |
| Haddock..... | 3 quintals..... | 5 | 00 | 15 | 00 |
| Halibut..... | 109 barrels..... | 6 | 00 | 654 | 00 |
| Cod Tongues and Sound..... | 32 do | 9 | 00 | 288 | 00 |
| Seal Skins..... | 20,075 pieces..... | 1 | 25 | 25,093 | 75 |
| Porpoise Skins..... | 1 do | 4 | 00 | 4 | 00 |
| Seal Oil..... | 83,759 gallons..... | 0 | 50 | 41,879 | 50 |
| Cod Oil..... | 145,336 do | 0 | 50 | 72,668 | 00 |
| Porpoise Oil..... | 100 do | 0 | 80 | 80 | 00 |
| Fish and Clams used as bait and manure..... | 62,443 barrels..... | 1 | 00 | 62,443 | 00 |
| Fish used for local consumption..... | 3,512 do | 4 | 00 | 14,048 | 00 |
| Total value of the product of the Fisheries in 1878..... | | | | \$ | 1,167,554 30 |
| do do 1877..... | | | | | 954,285 50 |
| Increase..... | | | | | \$213,268 80 |

MAGDALEN ISLANDS.

Although it may appear as if the several industries which the population of these Islands is engaged in have not prospered in the same ratio as on other parts of the coasts of the Gulf, it must, however, be admitted that a marked improvement has taken place since means of communication have become easier and the Islands have been more frequented.

Jacques Cartier, who discovered this archipelago in 1534, and Champlain, who visited it seventy-two years later, write enthusiastically of the wealth of its waters, and Jacques Cartier found the soil so excellent that he praises it as being far superior to that of Newfoundland; but I apprehend that the illustrious discoverer had visited the latter island during foggy weather.

However, it was not until 1663, more than one century after the Magdalen Islands had been discovered, that their fisheries began to be worked to any perceptible degree. Before that period, they were visited by a few fishermen whom the fear of English fleets prevented from settling there. The first grantee was one Captain Doublet, who formed a Company and engaged in fishing, but from various causes he failed to achieve success. During the year 1717, one Mr. De St. Pierre, became possessor of these Islands, but the Company which he formed did not prosper better than its predecessors. When this Company left, certain Acadian families, flying from their enemies, crossed over and settled there in 1749, living in comparative security until 1798, when a new master, Sir Isaac Coffin, abruptly appeared on the field to establish his claim to this land. In my previous Reports, I explained fully how he became the owner of these Islands; under what sort of tenure he held them; the effect of such tenure on the settlers and their hopes for a more successful future.

Fishing being at first, as it is still now, far easier to pursue than agriculture, as it required no apprenticeship, no great expense for outfit or tools, and fish being so abundant, it is no wonder that the first settlers took to it with such enthusiasm; the more so since the men could find in every day's fishing a source of easy profits requiring but little work, whilst agricultural pursuits demand steady attention in order to insure to the tiller of the soil a success which may after all be achieved only through years of toil. Besides, the first settlements on the Islands, as well as on other parts of the shores of the Gulf were not permanent, and when they became so, the determined habits which the settlers had acquired, and the few advantages which the owners of the Island were willing to offer them, were scarcely such as to induce them to turn their ideas towards farming.

This season's fishing was generally satisfactory, with the exception of mackerel fishery. Crops were better than for many years past. At House Harbour, however, where the inhabitants engage in cod-fishing on the coast of Labrador with their schooners, and also actively follow mackerel fishing, the failure of both these fisheries may have caused great anxiety in the minds of the people. I believe, however, that should they have failed to obtain assistance from the Local Government, they have saved sufficiently in previous years to be able to get safely through the winter.

It is a source of great satisfaction to be enabled to say that in spite of the large number of strangers and foreign vessels which repaired to the Islands this season, peace and order prevailed everywhere. The municipal council passed a resolution last year, prohibiting the sale of intoxicating liquors. This well-timed measure will do more towards the preservation of the peace than the most elaborate police system.

The Islanders feel under the greatest sense of obligation to the Government for the establishment of a mail service between their Islands and the mainland. Although somewhat deficient with regard to comfort and the accommodation of passengers, the vessel employed in that service performed its work in a regular and satisfactory manner; but, as business appears to be largely on the increase, it would be desirable that, for the accommodation of the public and the advantages of the Islands, this service should be made a weekly one. Should (and I entertain no doubt that this day will soon arrive) these Islands be placed in communication with the outer world by means of a cable telegraph, they will become one of the most desirable of summer resorts. With such a combination of natural and other advantages, I feel

sanguine that a trip to Magdalen Islands will become quite fashionable during the summer season, there being few places more healthy, and it is remarkable how valetudinarians visiting there soon pick up their lost health and strength.

Seal Hunting on the Ice.

Seal hunting on the ice was a failure this season, owing to the prevalence of easterly winds which drove the whelping ice to the westward of the Islands. Thirteen sealing vessels from House Harbour sailed for the Gulf fishing on the 12th March, and returned with 5,467 seals, worth from \$10 to \$12 each. Last year, seven schooners killed 2,544 seals, but as these were met with late in May, they were lean and of an inferior quality. In 1876, the yield of this fishery amounted to only 642 seals. The quantity of oil amounted to 27,178 gallons, against 14,749 in 1877.

The constant foggy weather which prevailed during the months of March and April, prevented the Islanders from running the chance of killing seals on the floating ice round the Islands, although they were sighted by thousands during the few days of clear weather which occasionally happened there. Some idea may be formed of the duration of that foggy weather, when it is stated that 1,126 pounds more of powder were used in firing alarm guns than usual. The catch thus amounted to only 483 seals, against 1,514 in 1877.

The net seal fishery was also a failure. The quantity of fathoms of seal nets set amounted to 8,455, and only 89 seals were captured, against 679 in 1877.

Here are the names of parties fishing with nets:—

| | | | | |
|---------------------------|-----|-------|-----|--------|
| W. Leslie..... | 20 | nets. | 37 | seals. |
| D. Bourque..... | 9 | " | 6 | " |
| W. Landry..... | 10 | " | 19 | " |
| E. Arseneau..... | 6 | " | 0 | " |
| L. Bouffard..... | 6 | " | 0 | " |
| A. Malaison..... | 6 | " | 6 | " |
| A. Vigneault..... | 4 | " | 0 | " |
| E. Chevrier..... | 6 | " | 0 | " |
| L. Nadeau..... | 10 | " | 9 | " |
| Neil McPhail..... | 11 | " | 12 | " |
| Theophile Boudreault..... | ... | " | ... | " |
| | | | 89 | |

Fishermen claim that the cause of this want of success is due to the act that herring stuck too late or else remained outside, which kept the seals off the shores, thus preventing them from being caught in the nets.

Being informed by the local Fishery Overseer, Mr. Fox, that there were several disputes among seal fishermen respecting their grounds, I visited the spot and fixed the stations which each should occupy, giving to each a frontage of fifty yards, with a distance of three hundred yards between every stand; that is to say that one man with six nets will occupy a shore space of three hundred yards with, an additional ground between this and the nearest stand.

The total yield of this fishery is as follows:—

| | | |
|--------------------------|-------|-------|
| Caught on drift ice..... | 483 | seals |
| Caught by vessels..... | 5,467 | " |
| Caught by nets..... | 89 | " |
| | 6,039 | seals |

Being 1,201 more than were killed last year.

RETURN of the Number and Tonnage of Vessels, with Boats and Men, engaged in the Seal Fishery at the Magdalen Islands during the Season of 1878.

| Name of Vessel. | Master. | Tons. | Men. | Boats. | Number of Seals Taken. |
|------------------------|---------------|-------|------|--------|------------------------|
| Marie Emélie..... | Arseneau..... | 47 | 12 | 5 | 550 |
| East Lynn..... | Bourgue..... | 26 | 10 | 4 | 740 |
| Lion..... | Richard..... | 41 | 12 | 4 | 1,300 |
| Marie Euphrosyne..... | Arseneau..... | 39 | 10 | 4 | 643 |
| Souris Queen..... | Godet..... | 10 | 5 | 2 | 34 |
| Marie Anne..... | Terrieau..... | 46 | 10 | 4 | 220 |
| Delaney..... | Vigueau..... | 44 | 10 | 4 | 230 |
| Pheasant..... | Richard..... | 32 | 10 | 4 | 230 |
| Cora May..... | Boudreau..... | 42 | 10 | 4 | 440 |
| A. H. C..... | Latrance..... | 35 | 10 | 4 | 160 |
| Arctic..... | Arseneau..... | 53 | 12 | 5 | 400 |
| Lady Adèle..... | Jomphe..... | 50 | 12 | 5 | 320 |
| Flash..... | Poirier..... | 48 | 12 | 4 | 200 |
| Total, 13 Vessels..... | | 523 | 135 | 53 | 5,467 |

Herring Fishery.

Although this fishery did not yield all that could be expected, it turned out better for our people than for foreign fishermen. Eighty-nine vessels (seventeen less than in 1877) repaired to the Islands this spring for herring fishing, but they came too late to take advantage of the first schools of fish which struck on the 17th April, and were netted in Pleasant Bay on the 22nd. Several of them had to return empty, owing to the scarcity of fish, and seek a cargo at Anticosti and other places on the coast of Labrador. The prevalence of easterly winds during the month of April, drove all the fish past the Islands when the bays were yet full of ice, and the other schools were of small size. It is at this period, however, that the Islanders caught the fish, which secured them provisions for the winter and bait for mackerel. Those who had seines made sufficiently to clear from \$40 to \$50 each man. The inhabitants of House Harbour and Etang du Nord did better than those of Amherst Island, and their fish were larger, being caught during the month of April, when the first schools struck.

Out of the 89 schooners which came to the Islands for herring fishing, there were but two from the States. They caught only 660 barrels of fish. Other vessels from the Dominion took 7,854 barrels, and the Magdalen Islands schooners, 2,030 barrels. To this must be added 3,331 barrels caught by flats or boats, giving a total catch of 13,875 barrels, or 25,346 barrels less than last year.

During the summer, American as well as Canadian fishermen, set their mackerel and herring nets between Grand Entry and Entry Island. Their success was a cause of astonishment not only with regard to the quantity of fish caught, but also as to the size of the fish. In the short space of a fortnight, these men netted 150 barrels of mackerel and 300 barrels of herring of such a large size that men who had been in the habit of repairing to the coast of Labrador for the last fifty years declared they had never seen anything like it. This is the first time that herring fishing is pursued at such a season of the year, and the Islanders were astonished at their success. The knowledge they have thus acquired is due to strangers, by whom they were made aware of the wealth which surrounds their Island.

RETURN of the Number and Tonnage of Vessels, with the Boats, Men and Seines, engaged in the Spring Herring Fishery, at the Magdalen Islands, during the Season of 1878.

| Name of Vessel. | Master. | From Whence. | Tons. | Men. | Boats. | Seines | Barrels of Fish taken. |
|------------------|-------------|---------------|-------|------|--------|--------|------------------------|
| Eagle | Noyes | United States | 102 | 5 | | | 400 |
| Hattie A. White | Bellatty | do | 129 | 6 | 5 | 1 | |
| May Queen | Jellison | do | 70 | 7 | 2 | | |
| Francis Ellen | Ferguson | do | 98 | 6 | 2 | | |
| Balance | Cousins | do | 54 | 4 | 2 | | |
| A. B. Higgins | Higgins | do | 42 | 4 | 1 | | 60 |
| Nellie H. | Wallock | do | 78 | 6 | 3 | 1 | |
| Carrie W. | Feareboy | do | 62 | 6 | 2 | | |
| Fleetwing | Johnston | do | 83 | 4 | 1 | | 120 |
| Marshall Ney | Boyd | do | 53 | 7 | 2 | | |
| Sea Spray | Holmes | do | 52 | 6 | 1 | | |
| Harvest Home | Hodgkins | do | 78 | 6 | 3 | 1 | |
| H. S. Boynton | Leach | do | 69 | 8 | 2 | | |
| W. W. Young | Davis | do | 91 | 9 | 3 | | |
| Silver Heel | Coggins | do | 117 | 9 | 3 | 1 | |
| E. H. King | Bunker | do | 106 | 12 | 4 | | |
| Jennie A. Stubbs | Stubbs | do | 198 | 14 | 3 | 1 | |
| C. A. Ropes | Thompson | do | 64 | 8 | 2 | | 80 |
| Amiel | McDonald | P. E. Island | 41 | 4 | | | 200 |
| Confederate | McKay | do | 48 | 4 | 1 | | 700 |
| Ancilla | Walpole | do | 48 | 4 | | | 600 |
| Enterprise | Bell | do | 18 | 2 | 1 | | 114 |
| Black Fox | Johnston | do | 32 | 4 | 2 | | 50 |
| J. W. | Furlong | do | 27 | 3 | | | 220 |
| Onward | Squarebrigs | do | 52 | 6 | 2 | 1 | 100 |
| River Queen | Squarebrigs | do | 38 | 4 | 2 | | 50 |
| Reality | Perry | do | 38 | 4 | 2 | | 100 |
| Mystery | Hubbard | do | 33 | 3 | 1 | | 60 |
| Margaret | McRae | do | 38 | 4 | 1 | | 100 |
| Olive | Gallant | do | 24 | 3 | 1 | | 20 |
| Bay State | McPherson | do | 28 | 4 | 1 | | 160 |
| Marie Emma | White | do | 64 | 4 | | | 300 |
| William | Diggins | do | 16 | 3 | | | 150 |
| Morell | McGrath | do | 10 | 3 | | | 50 |
| Morning Star | McDonald | do | 10 | 3 | | | 20 |
| Traveler | Romkey | Halifax | 54 | 9 | 4 | 1 | 150 |
| Ed. S. Falt | Falt | do | 68 | 6 | 3 | | 180 |
| Cordelia Vogler | Ritcey | do | 65 | 8 | 2 | | 160 |
| Bismarck | Conrod | do | 54 | 7 | 2 | | 250 |
| Vantage | Corkum | do | 56 | 7 | 3 | 1 | 300 |
| Vanguard | Wolfe | do | 41 | 4 | 3 | | 100 |
| Quickstep | Baker | do | 40 | 7 | 3 | 1 | 86 |
| Stella | Hiltz | do | 50 | 7 | 3 | | 100 |
| Happy Go-Lucky | Hayward | do | 35 | 6 | 3 | | 100 |
| Armada | Smith | do | 44 | 6 | 3 | 1 | 100 |
| City Queen | Loy | do | 53 | 6 | 3 | | 100 |
| Atheltae | Hickman | do | 57 | 8 | 3 | | 200 |
| Ann A. Teel | Ritcey | do | 59 | 8 | 3 | | 150 |
| River Dale | Hyson | do | 48 | 6 | 3 | | 100 |
| Mariner | Mossman | do | 56 | 6 | 3 | | 300 |
| Bacchaler | McDonald | do | 120 | 10 | 3 | 1 | 260 |
| British Tar | Evans | do | 41 | 6 | 2 | | 100 |
| Busy | Morash | do | 48 | 6 | 2 | | 150 |
| J. Croft | Croft | do | 44 | 6 | 3 | 1 | 60 |
| Silver Stream | Niford | do | 35 | 5 | 2 | | 50 |
| Mary Jane | Slavenwhite | do | 56 | 5 | 2 | | 110 |
| J. H. Christie | Steele | Port Richmond | 80 | 8 | 3 | 1 | |
| Victory | Colford | do | 37 | 9 | 3 | 1 | 150 |
| Opal | Steele | do | 49 | 6 | 2 | | |
| Hound | Wentzel | Lunenburg | 39 | 6 | 3 | | 100 |

RETURN of the Number and Tonnage of Vessels, with the Boats, Men and Seines, engaged in the Spring Herring Fishery, at the Magdalen Islands, during the Season of 1878.—Continued.

| Name of Vessel. | Master. | From Whence. | Tons. | Men. | Boats. | Seines | Barrels of Fish taken. |
|-----------------------|----------------|----------------------|-------|------|--------|--------|------------------------|
| Boreas..... | Nangter..... | Lunenburg..... | 41 | 5 | 2 | | 80 |
| River Queen..... | Greser..... | do..... | 51 | 7 | 2 | | 20 |
| Atlas..... | Corkum..... | do..... | 52 | 8 | 3 | | 100 |
| Prince Consort..... | Heister..... | do..... | 38 | 6 | 2 | | 75 |
| Jewel..... | Young..... | do..... | 52 | 7 | 4 | 1 | 100 |
| Harvest Home..... | Zinck..... | do..... | 59 | 7 | 3 | | 100 |
| Edith..... | Heister..... | do..... | 113 | 10 | 4 | | 120 |
| Ella..... | Westhaver..... | Mahone Bay..... | 39 | 6 | 2 | | 130 |
| Swan..... | Jamieson..... | Canso..... | 46 | 6 | 2 | | |
| Mabel..... | Myers..... | do..... | 44 | 6 | 2 | | |
| Donna Belle..... | Peters..... | West Port, N.S..... | 45 | 6 | 2 | | |
| Mary A. Taylor..... | Peters..... | do..... | 51 | 6 | 2 | | |
| Manchester..... | LeBlanc..... | Port Hawkesbury.. | 45 | 6 | 2 | | 800 |
| Ella and Winnie..... | Purcel..... | Port Mulgrave..... | 49 | 7 | 1 | 1 | |
| S. E. Cove..... | Keating..... | do..... | 54 | 7 | 4 | | |
| Maria Elizabeth..... | Maguire..... | do..... | 44 | 6 | 2 | | |
| Dayspring..... | Galligar..... | do..... | 51 | 8 | 3 | 1 | 300 |
| Dolphin..... | Myers..... | Guysboro'..... | 31 | 6 | 2 | 1 | |
| Muskkrat..... | Boudro..... | Margaree..... | 17 | 6 | 1 | | 125 |
| Queen..... | Chiasson..... | do..... | 12 | 4 | 1 | | 60 |
| N. Noyes..... | Holmes..... | West Isles, N.B..... | 60 | 6 | 1 | | |
| Annie Leonard..... | Holmes..... | do..... | 89 | 7 | 2 | | |
| Anemone..... | Poirier..... | Magdalen Islands.. | 10 | 3 | 1 | 1 | 120 |
| East Lynn..... | Bourque..... | do..... | 36 | 4 | 1 | | 360 |
| Marie Euphrosyne..... | Terrieau..... | do..... | 39 | 5 | 1 | | 200 |
| Silver Lake..... | Doucette..... | do..... | 61 | 4 | 2 | 1 | 500 |
| Delany..... | Vigneau..... | do..... | 44 | 5 | 1 | | 300 |
| Cora May..... | Boudreau..... | do..... | 42 | 5 | 1 | | 300 |
| Arctic..... | Arseneau..... | do..... | 53 | 5 | 1 | | 250 |
| Total, 89 Vessels.. | | | 4,813 | 531 | 181 | 20 | 10,544 |

RECAPITULATION.

| | No. | Tons. | Men. | Boats. | Seines | Barrels of Fish taken. |
|---------------------------|-----|-------|------|--------|--------|------------------------|
| From United States..... | 18 | 1,551 | 127 | 41 | 5 | 660 |
| Nova Scotia..... | 45 | 2,263 | 298 | 115 | 12 | 4,860 |
| New Brunswick..... | 2 | 149 | 13 | 3 | | |
| Prince Edward Island..... | 17 | 565 | 62 | 14 | 1 | 2,994 |
| Magdalen Islands..... | 7 | 285 | 31 | 8 | 2 | 2,030 |
| Grand Total..... | 89 | 4,813 | 531 | 118 | 20 | 10,544 |

Mackerel Fishery.

Mackerel fishing to which the inhabitants of the Islands have turned their attention for several years, and which forms no small share of their prosperity, in a greater or lesser degree, would have been highly successful, had not the fish struck earlier than usual and taken the fishermen unawares. The recurrence of this event has always been a source of wonder to me, as it seems that their long experience should enable these people to foresee the causes which influence the migrations of fish. The netting of mackerel commenced on Pleasant Bay on the 27th May and ended on the 7th June. This being an earlier date than usual, the nets were not ready, and the vessels which usually resort to the Islands for this fishery had not yet left port when it was nearly over; so that the best time was almost entirely lost. Fish struck in abundance, and were so unusually large that several fishermen complain of having lost a great many barrels owing to the small meshes of their nets. Twelve schooners from the Maritime Provinces which arrived too late caught 794 barrels, whilst the catch of ten vessels in 1877 amounted to 1,033 barrels.

Settlers being on the spot, were more fortunate; they caught 919 barrels against 493 in 1877.

The catch was therefore as follows:—

| | |
|---------------------|--------------|
| By vessels..... | 794 barrels. |
| “ inhabitants | 917 “ |

Total..... 1,711 “

Being an increase of 185 barrels over that of last season.

Several of these mackerel vessels follow the netting of herring in the Gulf after the mackerel fishery is over at the Islands, and this season they met with good success. About 1,000 barrels of this fish were taken by this means; and they were very large and fat and superior to the best Labrador.

RETURN of the Number and Tonnage of Vessels, with the Boats, Men and Nets employed in the spring Mackerel Fishing at the Magdalen Islands, during the Season of 1878

| Name of Vessel. | Master. | From whence. | Tons. | Men. | Boats. | Nets. | Bbls. of Fish taken. |
|-------------------------|----------------|------------------------|-------|------|--------|-------|----------------------|
| Lavinia Elizabeth | Hawse..... | Halifax..... | 48 | 7 | 4 | 50 | 130 |
| Victory..... | Colford..... | Port Hawkesbury..... | 37 | 11 | 5 | 110 | 210 |
| Franklin..... | Landsburg..... | Sheet Harbour..... | 32 | 9 | 4 | 120 | 140 |
| Jane Otis..... | Fongere..... | Port Mulgrave..... | 50 | 9 | 2 | 50 | 45 |
| James Henry..... | Henley..... | Sheet Harbour..... | 22 | 4 | 2 | 40 | 50 |
| Mary Ellen..... | Reeves..... | Port Mulgrave..... | 22 | 6 | 3 | 50 | 75 |
| Rough and Ready..... | Newcombe..... | Provincetown, U.S..... | 39 | 6 | 4 | 25 | 20 |
| Antelope..... | Newcombe..... | do..... | 60 | 8 | 4 | 25 | 20 |
| P. Martin..... | Murphy..... | Sheet Harbour..... | 20 | 9 | 3 | 50 | 22 |
| Elizabeth..... | Hawse..... | do..... | 40 | 9 | 4 | 80 | 22 |
| Eliza A..... | Leslie..... | do..... | 39 | 11 | 5 | 100 | 45 |
| Mist..... | Lavender..... | Provincetown, U.S..... | 12 | 3 | 2 | 18 | 15 |
| Total—12 Vessels..... | | | 421 | 92 | 42 | 718 | 794 |

Summer Mackerel Fishery.

This fishery, which for many years was pursued only by foreigners, has now become the main occupation of a large number of the inhabitants of the Islands, especially those from Allright Island located on Pleasant Bay, and those from Grosse Isle. The remunerative prices obtained during the past two seasons gave great hopes for this year. Our people thus entered this

pursuit with great energy; the more so since their cod-fishing voyage had been a comparative failure, but unfortunately very few large fat mackerel were seen during the season, although great quantities of small fish called *tinkers* remained near the coast until the end of August. Our fishermen who are always ready to find reasons for their failures, attribute their poor success to the corruption of the water, caused by decayed bait in lobster traps; but this is hardly probable, because this bait is not allowed to putrify, and also because this scarcity of mackerel was felt all around the Islands.

Very few American schooners were noticed, and during our last trips to Magdalen Islands, in October, we counted only 20 which had just arrived. There were 3,012 barrels of *tinkers* caught, but fishermen could not find a sale for them; the large catches at other places in the Dominion had glutted the market, and not more than two dollars per barrel could be obtained. Last year there were 3,386 barrels caught which realized from ten to fourteen dollars per barrel.

It is worthy of remark that the Gulf has abounded with small herring and mackerel during the whole of the summer months.

Cod Fishery.

The season having proved just as propitious at the Islands as elsewhere, codfish visited these coasts very early. It struck in abundance on the 20th May and continued plentiful on the inshore banks during the greater part of the season. Had the weather allowed going out during the fall, the catch would have been unusually large; but after the month of August, fishermen were not able to go out more than three-fourths of the time.

The sixteen schooners belonging to the Islands, as well as those of Esquimaux Point which repaired to the coast of Labrador for cod-fishing, arrived too late, and after that time the fish, although abundant, did not bite readily. As these vessels were not provided with seines, their voyage was almost entirely lost. The above-mentioned sixteen schooners took only 3,000 quintals of cod, being 150 quintals less than in 1877, which was reckoned a very poor season. The hook and line fishermen caught with their boats 12,297 quintals, against 7,837 quintals last year. The total catch is thus reckoned at 15,297 quintals, against 10,987 in 1877. To this quantity should be added the fish caught by men from Cape Breton who all fish within the three mile limits. These vessels arrive at the Islands in the beginning of May; they usually secure two cargoes of from 250 to 300 quintals of fish each, and use about fifteen barrels of herring as bait on each voyage. These schooners which usually average a small tonnage—from fifteen to forty-five tons—are built to resist the heaviest storms. Fifty of them were engaged this season fishing around the Islands. They, for the most part, hail from Arichat, Cheticamp and other ports on the coast of Cape Breton.

I visited the following:—

| Name of Vessel. | Master. | Port. | Tonnage. | No. of Men. | No. of Nets. | No. of Boats. | Quintals of Cod. |
|---------------------|------------------|------------------|----------|-------------|--------------|---------------|------------------|
| Ida May | Ebel | Mahone Bay | 45 | 10 | 4 | 9 | 3 |
| Muskrat | N. Leblanc | Cheticamp | 19 | 6 | 4 | 1 | 10 |
| Quick | Raymond | do | 20 | 6 | 2 | 1 | 60 |
| Queen | Giasson | do | 15 | 4 | 2 | 1 | 4 |
| Kingfisher..... | Leblanc | do | 20 | 5 | 2 | 1 | 8 |
| Queen | Poirrier | Arichat | 25 | 5 | 2 | 1 | 10 |
| Daisy | Poirrier | do | 35 | 10 | 2 | 1 | 40 |
| Mary Stephens | Samson | do | 34 | 9 | 2 | 1 | 36 |
| Hector | Poirrier | do | 25 | 9 | 2 | 1 | 30 |
| Mary | Arsenault | do | 45 | 10 | 2 | 1 | 45 |
| Shooting Star | Cordeau | do | 34 | 10 | 1 | 3 | 90 |
| Renfrew | Poirrier | do | 45 | 10 | 1 | 2 | 80 |

I visited these schooners during the beginning of the fishing season, but I am aware that most of them made two trips before commencing to fish for mackerel. Averaging the catch of each of them at 300 quintals, would give about 70,000 quintals. To these must be added the catch by American vessels fishing around the shores of the Magdalen Islands whose catch cannot amount to much less than 1,000 or 1,200 quintals each. About eight of these vessels were thus engaged during the present season.

Lobster Fishery.

The canning of lobsters was begun four years ago at Magdalen Islands, and I strongly doubt whether a superior place than the shores of Pleasant Bay could be found for that pursuit. At any rate, I am not aware that other places have given more profitable results. When speaking of this industry in Gaspé and Bonaventure, I stated that it must have been very remunerative to the owners; but some further idea of its profits may be gained, when it is stated that four establishments at Magdalen Islands canned 150,036 pounds of lobsters, being more than ten in Gaspé and Bay des Chaleurs, with one-fourth of the number of hands.

The lobster traps were set in Pleasant Bay early in May, but fishing was poor until the first weeks in June, either on account of stormy weather or because lobsters had not yet begun moving towards the shores. It has been noticed that at Magdalen Islands such migration always begins late in the spring. I attribute this to the fact that the waters being comparatively shallow, the bait is more evenly distributed and food more commonly found.

As already stated, there have been four establishments in operation during the season, two at Grand Entry, one at House Harbour, and another at Amherst Harbour. These factories employed 47 boats with 92 men in catching lobsters, and 48 men and 52 women in packing and case-making. The season's business is as follows:—

| | |
|-----------------------|------------------------|
| At Grand Entry:— | |
| J. B. Webb, & Co..... | 182,400 lbs. lobsters. |
| N. McPhail..... | 96,000 " " |
| At House Harbour:— | |
| J. B. Webb, & Co..... | 82,128 " " |
| " " .. | 5,136 lbs mackerel. |
| Total..... | 395,184 lbs. |

valued at \$41,150 and being 117,120 lbs. more than last season.

I must here say, to Mr. Webb's credit that, if he has made large profits since he took the direction of these establishments, he also behaved in the most generous manner towards his employes, paying them regularly and being always ready to take the lead whenever any measure for the progress of the Islands or the improvement of the condition of its inhabitants was brought forward. The men had wages of one dollar per day and ten cents for every hundred pounds of lobsters brought to the establishments; women and children earned from forty to sixty cents a day.

I shall not here repeat what I have already said about the necessity of instituting a close time for lobsters as too tedious, but I cannot omit stating that this year an exemption from compliance was obtained for several reasons, prominent among which was the fact that mackerel fishing having failed, permission to catch lobsters during the whole time would much assist the Islanders. A similar request was granted last year, because the owners had suffered much loss by the lateness of the season. Another year, it is most likely that the excuse set forth will be the number of lobsters has so much fallen off that it is absolutely necessary to again extend the time of fishing in order to save the owners of these establishments from ruin. This will undoubtedly be the final result, because such large catches as those of last season, must necessarily impoverish the grounds, and I feel quite satisfied that, had the same grounds again been worked upon this season, the yield would have

been much smaller. In connection therewith, it is well to remark that the places tried this season at Amherst and Grand Entry were new, whilst at House Harbour, where 134,000 lbs. of lobsters were canned in 1877, there were only 82,128 pounds this season.

These establishments have done so much good to the Islands, that I would be loth to be considered as trying to in any way impede their progress, but I feel sure that Mr. Webb himself, who is so thoroughly cognizant of the physiology of these crustaceans and of the causes of their decrease in other localities, would be most happy to have a proper close time established, so long as it does not materially interfere with legitimate operations kept within reasonable bounds.

A smaller number of lobsters with eggs attached were found this season than last, and most of these were taken during the month of July. Lobsters were also this year of a larger size; they may have belonged to different schools.

The local Fishery Overseer reports that the regulation ordering the liberation of lobsters with eggs attached, and of soft shelled lobsters, was strictly carried out.

All the lobsters caught at the Magdalen Islands were shipped to European markets *via* Halifax.

TRAP NETS.

The trap-net licensed by the Department to Mr. Goodwin, of Argyle, N.S., was located by the Fishery Overseer at Old Harry Head, Coffin Island, on the 30th July, and the night after it was completed and set, it was totally destroyed by a gale, involving a loss to the owner of \$1,000. No fish were taken. The local Fishery Overseer states that he does not think it advisable for the Department to encourage this mode of fishing at the Islands. Moreover, public opinion is against it.

TOTAL EXPORTS OF Fish and Fish Oil from Magdalen Islands, showing whence same were Exported, during the Season of 1878.

| Ports. | Dry Codfish. | Pickled Codfish. | Herrings. | Mackerel. | Seal Skins. | Seal Oil. | Cod Oil. | Whale Oil. | Preserved Lobsters. | Preserved Mackerel. | Value. |
|------------------------------|--------------|------------------|-----------|-----------|-------------|-----------|----------|------------|---------------------|---------------------|----------|
| | Cwts. | Brls. | Brls. | Brls. | No. | Galls. | Galls. | Galls. | Lbs. | Lbs. | |
| FOREIGN. | | | | | | | | | | | |
| To United States..... | | | 660 | 2 | | 90 | | | | | \$ 1,375 |
| COASTWISE. | | | | | | | | | | | |
| <i>To Ports in Dominion.</i> | | | | | | | | | | | |
| To Nova Scotia..... | 13,709 | 20 | 7,583 | 2,741 | 6,067 | 16,606 | 3,160 | 450 | 390,048 | 5,136 | 142,388 |
| Prince Edward Island..... | | | 3,214 | 161 | | 360 | | | | | 7,413 |
| Quebec..... | 1,500 | | 60 | 101 | | 8,425 | 2,045 | | | | 11,376 |
| New Brunswick..... | | | 250 | | | | | | | | 500 |
| Total..... | 15,209 | 20 | 11,107 | 3,006 | 6,067 | 25,391 | 5,205 | 450 | 390,048 | 5,136 | 161,677 |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

MAGDALEN

| Name of Place. | Vessels. | | | | Fishing Boats. | | Flat Boats. | | No. of Fishermen. | No. of Shoremen. | Salmon Nets. | | | Cod Seines. | | |
|---|----------|-------|--------|-----------------|----------------|--------|-------------|--------|-------------------|------------------|--------------|--------|--------|-------------|--------|--------|
| | No. | Tons. | Value. | No. of Sailors. | No. | Value. | No. | Value. | | | No. | Yards. | Value. | No. | Yards. | Value. |
| | | | | | | | | | | | | | | | | |
| <i>Amherst Island.</i> | | | | | | | | | | | | | | | | |
| Pleasant Bay and Amherst Harbour | 2 | 108 | 3,600 | 10 | 43 | 1,720 | 10 | 60 | 93 | 60 | | | | | | |
| Basin | | | | | 28 | 1,120 | 4 | 24 | 67 | 50 | | | | | | |
| L'Anse au Moulin | | | | | 8 | 320 | 4 | 24 | 17 | 10 | | | | | | |
| L'Anse à la Cabane | | | | | 30 | 1,200 | 5 | 30 | 67 | 50 | | | | | | |
| Etang du Cap | | | | | 18 | 720 | 2 | 12 | 40 | 12 | | | | | | |
| <i>Grindstone Island.</i> | | | | | | | | | | | | | | | | |
| Etang du Nord | | | | | 68 | 3,400 | 10 | 60 | 181 | 150 | | | | | | |
| Hospitals | | | | | 15 | 600 | 3 | 18 | 40 | 30 | | | | | | |
| Cape Mull | | | | | 4 | 160 | 2 | 12 | 10 | 6 | | | | | | |
| <i>Allright Island.</i> | | | | | | | | | | | | | | | | |
| House Harbour | 15 | 541 | 21,600 | 66 | 62 | 2,480 | 53 | 318 | 206 | 46 | | | | | | |
| L'Anse à Elie | | | | | 14 | 560 | 4 | 24 | 42 | 2 | | | | | | |
| Pointe Basse | | | | | 2 | 80 | 1 | 6 | 6 | | | | | | | |
| South Beach | | | | | 49 | 1,960 | 30 | 180 | 145 | 20 | | | | | | |
| <i>Grosse Isle & Grand Entry.</i> | | | | | 36 | 1,440 | 8 | 84 | 72 | 48 | | | | | | |
| <i>Bryon Island.</i> | | | | | 20 | 800 | 4 | 24 | 42 | 10 | | | | | | |
| <i>Entry Island.</i> | | | | | 6 | 240 | 2 | 12 | 7 | 2 | | | | | | |
| Total | 17 | 649 | 25,200 | 76 | 403 | 16,800 | 142 | 852 | 1,035 | 496 | | | | | | |

kinds of Nets used, kinds of Fish and Fish Oils, &c., &c.

ISLANDS DIVISION.

NETS AND SEINES.

| Herring Seines. | | | Herring Nets. | | | Mackerel Seines. | | | Mackerel Nets. | | | Capelin Seines. | | | Lanuce Seines. | | | Seal Nets. | | | Brush Fish'ries | |
|-----------------|--------|--------|---------------|--------|--------|------------------|--------|--------|----------------|--------|--------|-----------------|--------|--------|----------------|--------|--------|------------|--------|--------|-----------------|--------|
| No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Value. |
| | | \$ | | | \$ | | | \$ | | | \$ | | | \$ | | | \$ | | | \$ | | \$ |
| 2 | 500 | 600 | 16 | 640 | 160 | | | | 150 | 7,500 | 1,600 | 2 | 120 | 120 | | | | 13 | 780 | 390 | | |
| | | | 51 | 2,040 | 510 | | | | 121 | 6,050 | 1,452 | | | | | | | 28 | 1,720 | 860 | | |
| | | | 22 | 1,080 | 220 | | | | 82 | 4,100 | 984 | | | | | | | | | | | |
| | | | 69 | 2,760 | 690 | | | | 111 | 5,550 | 1,332 | | | | | | | 13 | 800 | 400 | | |
| | | | 33 | 1,320 | 330 | | | | 30 | 1,500 | 360 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 200 | 200 | 39 | 1,560 | 390 | | | | 46 | 2,300 | 552 | | | | | | | 72 | 4,360 | 2,180 | | |
| | | | 1 | 40 | 10 | | | | | | | | | | | | | 20 | 1,200 | 600 | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | 10 | 400 | 100 | | | | 5 | 250 | 60 | 3 | 300 | 200 | | | | 95 | 5,670 | 2,830 | | |
| | | | 10 | 400 | 100 | | | | | | | | | | | | | | | | | |
| | | | 1 | 40 | 10 | | | | | | | | | | | | | | | | | |
| | | | 34 | 1,360 | 340 | | | | 17 | 350 | 204 | | | | | | | 4 | 240 | 120 | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | 8 | 320 | 80 | | | | | | | | | | | | | | | | | |
| | | | 15 | 600 | 150 | | | | 3 | 150 | 36 | | | | | | | 20 | 1,140 | 560 | | |
| | | | | | | | | | 69 | 3,450 | 828 | | | | | | | | | | | |
| 4 | 700 | 700 | 309 | 10,560 | 3,090 | | | | 634 | 31,700 | 7,608 | 5 | 420 | 320 | | | | 265 | 16,910 | 7,940 | | |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

MAGDALEN

| Name of Place. | Salmon, Cured, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, in cans, lbs. | Salmon, Smoked, boxes. | Summer Fishing. | | Haddock, quintals. | Ling, quintals. | Halibut, barrels. | Herring, barrels. | Herring, Smoked, boxes. | Mackerel, barrels. | Trout, barrels. | Sardines, barrels. | Eels, barrels. |
|--|-------------------------|-----------------------------|-----------------------|------------------------|-----------------|---------------|--------------------|-----------------|-------------------|-------------------|-------------------------|--------------------|-----------------|--------------------|----------------|
| | | | | | Cod quintals. | Fall Fishing. | | | | | | | | | |
| <i>Amherst Island.</i> | | | | | | | | | | | | | | | |
| Pleasant Bay and Amherst Harbour..... | | | | | 1371 | 3 | | | | 866 | | 549 | | | |
| Basin..... | | | | | 1450 | 4 | | | | 181 | | 320 | | | |
| L'Anse au Moulin..... | | | | | 448 | | | | | 104 | | 162 | | | |
| L'Anse à la Cabane..... | | | | | 1539 | 200 | | | | 266 | | 277 | | | |
| Etang du Cap..... | | | | | 780 | | | | | 125 | | 106 | | | |
| <i>Grindstone Islands.</i> | | | | | | | | | | | | | | | |
| Etang du Nord..... | | | | | 5090 | 447 | | | | 912 | | 386 | | | |
| Hospital..... | | | | | 241 | | | | | 212 | | 87 | | | |
| Cape Mull..... | | | | | | | | | | 37 | | 20 | | | |
| <i>Allright Island.</i> | | | | | | | | | | | | | | | |
| House Harbour..... | | | | | 3774 | | | | 9 | 1595 | | 112 | | | |
| L'Anse à Elie..... | | | | | 70 | | | | | 221 | | 126 | | | |
| Pointe Basse..... | | | | | | | | | | 24 | | 4 | | | |
| South Beach..... | | | | | 831 | | | | | 372 | | 389 | | | |
| <i>Grosse Isle and Grand Entry</i> | | | | | 76 | | | | | 110 | | 97 | | | |
| <i>Bryon Island</i> | | | | | 565 | | | | | 264 | | 302 | | | |
| <i>Entry Island</i> | | | | | 62 | | | | | 72 | | 75 | | | |
| Total..... | | | | | 15397 | 654 | | | 9 | 5361 | | 3012 | | | |

kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

ISLANDS.

| Tunny, barrels. | Cod Tongues and Sounds, barrels. | | Seals, Whales and Porpoises. | | | | | Oils. | | | | Fish and Clams used as Bait and Manure. | | | | | Fish used for Local Consumption, barrels. |
|-----------------|----------------------------------|--------------------|------------------------------|-------------------|------------------------|--------------------|---------------------|------------------------|-------------------|-------------------|-------------------|---|--------------------|-----------------|----------------------|---------------------------|---|
| | No. of Seals. | No. of Seal-skins. | No. of Whales. | No. of Porpoises. | No. of Porpoise-skins. | Seal Oil, gallons. | Whale Oil, gallons. | Porpoise Oil, gallons. | Cod Oil, gallons. | Herring, barrels. | Capelin, barrels. | Smelt, barrels. | Cod Roes, barrels. | Clams, barrels. | Lobsters, cans, lbs. | Mackerel, Preserved, lbs. | |
| ..... | 145 | 145 | ..... | ..... | ..... | 900 | ..... | ..... | 685 | 75 | ..... | ..... | 2 | 29520 | 5136 | 62 | |
| ..... | 67 | 67 | ..... | ..... | ..... | 268 | ..... | ..... | 565 | 99 | ..... | ..... | 26 | ..... | ..... | 39 | |
| ..... | 166 | 166 | ..... | ..... | ..... | 664 | ..... | ..... | 188 | 96 | ..... | ..... | 8 | ..... | ..... | 9 | |
| ..... | 37 | 37 | ..... | ..... | ..... | 150 | ..... | ..... | 769 | 279 | ..... | ..... | 27 | ..... | ..... | 37 | |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 284 | 77 | ..... | ..... | 15 | ..... | ..... | 41 | |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2545 | 260 | ..... | ..... | 191 | ..... | ..... | 136 | |
| ..... | 8 | 8 | ..... | ..... | ..... | 32 | ..... | ..... | 120 | 99 | ..... | ..... | 5 | ..... | ..... | 113 | |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 | ..... | ..... | 1 | ..... | ..... | 26 | |
| ..... | 5575 | 5575 | 1 | ..... | ..... | 25000 | 480 | ..... | 1387 | 36 | ..... | ..... | 5 | 82128 | ..... | 44 | |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 35 | 93 | ..... | ..... | 9 | ..... | ..... | 119 | |
| ..... | 41 | 41 | ..... | ..... | ..... | 164 | ..... | ..... | ..... | 6 | ..... | ..... | ..... | ..... | ..... | 18 | |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 408 | 234 | ..... | ..... | 29 | ..... | ..... | 427 | |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 37 | 56 | ..... | ..... | 3 | 278400 | ..... | 37 | |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 245 | 100 | ..... | ..... | ..... | ..... | ..... | 53 | |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 28 | 3 | ..... | ..... | ..... | ..... | ..... | 16 | |
| ..... | 6039 | 6039 | 1 | ..... | ..... | 27178 | 480 | ..... | 7316 | 1525 | ..... | ..... | 321 | 390048 | 5136 | 1177 | |

RECAPITULATION.

YIELD and Value of the different Fisheries of the Magdalen Islands Division in 1878.

| Kinds of Fish. | Quantities. | Prices. | | Value. | |
|---|-----------------------|---------|------|---------|------|
| | | \$ | cts. | \$ | cts. |
| Summer Cod fishing | 15,397 quintals | 5 | 00 | 76,985 | 00 |
| Autumn do | 654 do | 5 | 00 | 3,270 | 00 |
| Herrings | 5,361 barrels | 5 | 00 | 26,805 | 00 |
| Mackerel | 3,012 do | 10 | 00 | 30,120 | 00 |
| do preserved in cans | 5,136 cans | 0 | 15 | 770 | 40 |
| Halibut | 9 barrels | 6 | 00 | 54 | 00 |
| Seal Skins | 6,039 pieces | 1 | 25 | 7,548 | 75 |
| Seal Oil | 27,178 gallons | 0 | 50 | 13,589 | 00 |
| Cod Oil | 7,316 do | 0 | 50 | 3,658 | 00 |
| Whale Oil | 480 do | 0 | 50 | 240 | 00 |
| Lobsters in cans | 390,048 lbs. | 0 | 15 | 58,507 | 20 |
| Fish and Clams used as bait and manure | 1,844 barrels | 1 | 00 | 1,844 | 00 |
| Fish used for local consumption | 1,177 do | 4 | 00 | 4,708 | 00 |
| Total value of the products of the Fisheries for 1878 | | | | 228,099 | 35 |
| do do do 1877 | | | | 366,170 | 10 |
| Decrease | | | | 138,070 | 75 |

THE ISLAND OF ANTICOSTI.

The most forward settlement on the Island of Anticosti is that of English Bay. That at Fox Bay, however, has nothing to complain of, with provisions in abundance, owing to a successful harvest and fishing, and articles saved from wrecks. The settlement at South-West Point is not so well off. Fishing was unsuccessful, and there were no wrecks on that part of the coast of the Island. I am, however, satisfied that it will be far easier for these people to live on twenty quintals of cod, which is the average catch per family, one hundred bushels of potatoes, game of all kinds, and fuel at their discretion, than for a great many families on the south shore who have no such resources to depend upon, no means whatever of making money, and must in most instances fall back upon public charity. I am induced to make the above remarks, because I see every year, and this season especially, fishermen petitioning the Government for help, when a little forethought and attention might have enabled them to meet the most pressing wants.

Mr. Jolliette, to whom the Island of Anticosti was granted in recompense for services rendered by the discovery of the Mississippi River, was its first settler. After the conquest of the country, I think that the first Canadian who went to reside there was Gamache. His establishment was located at Ellis Bay; he lived on wrecking, hunting, fishing and tillage of the soil. After his death, his improvements fell into the hands of Captain Setter, who owns now a large farm and raises fine cattle thereon.

There were four wrecks on Anticosti Island this season; the steamship "Lake Megantic," at South Point; the steamship "Vandolina," at Fox Bay; the schooner "St. Anne," at English Bay, and an American schooner, the "Manitona," at Cape Henry. The wreck of these vessels proved a God-send to fishermen and settlers on the Island. The "Lake Megantic" had on board a quantity of provisions of all sorts, and a stock of live cattle, quite a number of which found their way, somehow or another, among the residents. Some fishermen earned as much as \$15.00 in four days with the wreck of the "Vandolina." The "St. Anne" had on board a cargo of provisions, which, being damaged, was sold for almost nothing, and the "Manitona" left sufficient lumber strewn around the shores of Strawberry Cove to enable the settlers to procure their winter supplies.

The local fishery guardians and fishermen themselves state that there was an abundance of fish around the shores of Anticosti; the catch was not, however, what it should have been, half of the people being engaged most of the season working at the wrecks. It is presumed that they made more money in this way than if they had been engaged fishing.

Communication with the Island of Anticosti is now very easy. The mail packet from Gaspé calls at the principal places once every fortnight, and with favorable winds there are almost daily arrivals and departures from Gaspé, Quebec and the Maritime Provinces, or the Island. Should Anticosti be at a future date, as I hope it will be, connected with the mainland by an electric wire, it will then become an inhabitable place.

It is with unfeigned pleasure I am able to state that we had no further occasion to repress and punish robberies of provision depôts. The lesson which was given in 1876 had the very best results, and put a final stop to an evil which might have had the most disastrous results, had any wrecks occurred after the depôts of provisions had been robbed. The way some of the settlers behaved for two or three seasons past, was the less excusable, since most of them robbed without necessity, and only for cupidity's sake. They seem now determined to lead a quieter and happier life by securing in advance and through their own labour, the necessary provisions for winter's use.

COD FISHERY.

Although we possess no reliable statistics of the cod fisheries around Anticosti before 1864, it is a well-established fact that its shores had a great renown, which the success of its first settlers still contributed to increase. Fishing is carried on

around the Island just as easily, if not more so, than anywhere else, since fishermen have only to repair to a short distance to meet fish. The latter are to be found everywhere, and if some places are reputed better than others, it is due to the advantage of better harbours.

Owing to its geographical position in the Gulf, the shores of Anticosti are among the first to be clear of ice in the spring. Cod strikes very early, and fishermen from Magpie, St. John, &c., always pay a short visit to the Island before repairing to other banks on the north coast.

The migration of cod occurred as usual this spring; fish were abundant early in the season, but bait having failed the fish disappeared. The bait usually employed here is caplin; at a later period herring and mackerel are used, and sometimes clams. Had it not been for the appearance of mackerel the catch would have been poor, as most of the fall fishing was carried on with mackerel as bait. On the east side of Anticosti, cod was abundant during the whole summer. As already stated, most of the hands being engaged on board wrecked vessels, codfishing was rather neglected. This accounts for the falling off in the catch of the present season as compared with that of last year. The returns are 6,922 quintals, against 8,303 in 1877. Fish sold at from \$3 to \$3.50 a quintal.

Besides the resident fishermen engaged cod-fishing, Messrs. J. & E. Collas, of Point St. Peter, Gaspé, own a large establishment at English Bay, where they employ quite a number of hands, some of whom are hired and the others fish on shares. On the north side of the Island, fishermen from Gaspé cross over every spring and return during the fall. Their advances being procured from Gaspé firms, they also bring their fish there. The Messrs. Couture, of St. Thomas, have extensive establishments at Cape Observation and Capelin Bay. They take down their own men with them in the spring; but the fish goes to Gaspé whence the advances are derived.

HERRING, MACKEREL AND HALIBUT FISHERIES.

Several bays around the shores of the Island of Anticosti are celebrated for the large schools of herring resorting thereto; the most renowned are Ellis and Fox Bays.

Up to the present season these bays, the latter especially, were visited every spring by thick schools of fish, impelled thereon by the natural laws of reproduction, and for the purposes of depositing their eggs. The inconsiderate fishing and seining practised in 1877 have I apprehend, destroyed too many of the species and so broken the schools that some years may possibly elapse before the success of previous seasons may again be experienced. Thirty-two vessels entered Fox Bay this spring for the purpose of herring fishing. These vessels had twenty-two seines with them, and the greediness of these fishermen was so great that, so soon as fish were signalled outside the bars, the seines were in the water, thus preventing them from entering and depositing their ova in the accustomed places. These inconsiderate practices must undoubtedly result in completing the ruin of these fisheries, which was begun in 1877, and the result will not be felt in that locality alone, but for a distance of twenty or thirty leagues.

The schooners being too numerous for the area of Fox Bay, caught only 14,640 barrels. Two other schooners, whose names I could not ascertain, took cargoes of 800 barrels each at Ellis Bay, which, added to the catch by local fishermen, gives a total of 17,668 barrels against 15,414 in 1877. Up to the present season, mackerel fishing had not been pursued to any extent around the shores of Anticosti; the few fish which were entered in the returns being caught in herring nets. This season, however, Fox Bay settlers, advised by foreign fishermen, began fishing with lines, and thus caught 42 barrels. Those from East Point intend trying the same experiment next year. At English Bay 25 barrels of mackerel were caught in herring nets, which, added to 10 barrels caught by a schooner from Prince Edward Island, gives a total catch of 67 barrels against 18 in 1877. According to information received, mackerel was abundant during the whole season, and until the very last days of the fall; the fish were also of a superior quality.

As already stated in other parts of this report, halibut fishing is altogether abandoned, although the waters of Anticosti Island are considered the best grounds in the Gulf for this kind of fishing. Excessive fishing by Americans has almost ruined it, and this is the reason, I presume, why it has been abandoned. A few years rest may restore it to its former value. But it is to be apprehended that our neighbours will become aware of this fact before us, should we judge from their hasty return to the shores of Gaspé so soon as they became aware of the reappearance of mackerel there. Halibut fishing yielded 122 barrels this season against 164 in 1877.

Capelin was so abundant at East Point, and it remained so long about the shores, that a few barrels were salted. These were so well appreciated by the traders that they paid three dollars a barrel for it. There were used of this fish for bait or otherwise 2,632 barrels.

SALMON FISHERY.

The yield of salmon which had been very poor for several seasons past gave extraordinary results this year, at least in the number of barrels caught, if not in money value. The weather was most favorable for the migration of fish in the rivers, and fishermen assert that a much larger number than usual went up the streams. This will help to remedy the evils caused by the heavy rains of 1874, which washed away the eggs and the drought of 1875, which prevented the fish from ascending the rivers to spawn. The yield was 97 barrels this season against 75 in 1877.

The fishery districts of the two guardians stationed at Anticosti are so extensive, and navigation is so difficult around the shores of Anticosti, that violations of the law must occur which it is almost impossible for us to repress or punish at once; I must, however, say that, without the assistance of these guardians, these violations would be far more numerous, and that there would be no security whatever for occupiers of salmon fishing stations. Several violations of the law committed during the summer came to our knowledge, but it being impossible to be there in time to try the guilty parties, we could take no action. I apprehend, however, from the statements of the local Fishery Guardian at East Point that we will have a heavy calendar next summer.

SEAL HUNTING.

The shores of Anticosti, especially in the neighborhood of rivers, are frequented by seals every summer. There were 288 killed in nets and with guns during the present season, and 356 in 1877. The quantity of oil amounted to 424 gallons. The seals above stated are reported as having been killed in the western division, but I am inclined to believe that an equal number were killed in the eastern division since the fishery statistics return 470 gallons of oil.

In spite of all the fishermen's endeavors they have still been unable to rig a schooner for carrying on seal-hunting on the ice. As soon as it will be possible to do so, I feel satisfied that this venture will give good results, because the surroundings of Anticosti are largely frequented by seals during the month of April.

RETURN OF FISHING STATIONS, kind of Vessels, number of Men,

ISLAND OF ANTI

| Name of Place. | Vessels. | | | | Fishing Boats. | | Flat Boats. | | No. of Fishermen. | No. of Shoremen. | Salmon Nets. | | | Cod Seines. | | |
|-------------------------------------|----------|-------|--------|-----------------|----------------|--------|-------------|--------|-------------------|------------------|--------------|--------|--------|-------------|--------|--------|
| | No. | Tons. | Value. | No. of Sailors. | No. | Value. | No. | Value. | | | No. | Yards. | Value. | No. | Yards. | Value. |
| | | | \$ | | | \$ | | \$ | | | | | \$ | | | |
| English Bay..... | | | | | 47 | 1880 | 47 | 470 | 94 | 32 | | | | | | |
| Strawberry Cove..... | | | | | 6 | 240 | 6 | 60 | 12 | 8 | | | | | | |
| Ellis Bay..... | | | | | 1 | | 1 | 10 | 2 | | 1 | 80 | 16 | | | |
| Becscie River..... | | | | | 1 | | 1 | 15 | 2 | | 1 | 35 | 15 | | | |
| Otter River..... | | | | | 1 | | 1 | 12 | 1 | | 1 | 45 | 22 | | | |
| Jupiter River..... | | | | 1 | 50 | | 1 | 18 | 1 | | 2 | 80 | 40 | | | |
| South-West Point..... | | | | 11 | 440 | | 11 | 110 | 22 | 3 | | | | | | |
| Chaloupe Creek..... | | | | | | | 1 | 10 | 1 | 1 | 1 | 75 | 38 | | | |
| Dauphine River..... | | | | | | | 1 | 12 | 1 | | 1 | 150 | 30 | | | |
| Bay River..... | | | | | | | 1 | 12 | 1 | | 1 | 120 | 30 | | | |
| Belle River..... | | | | | | | 1 | 8 | 1 | | 1 | 80 | 18 | | | |
| Cormorant Point..... | | | | 1 | 15 | | 3 | 30 | 2 | 1 | 1 | 20 | 10 | | | |
| Fox Bay..... | | | | 28 | 840 | | 29 | 300 | 57 | | 1 | 56 | 25 | | | |
| Manzerolle Cove..... | | | | 6 | 300 | | 6 | 60 | 12 | 6 | 1 | 60 | 40 | | | |
| Spider Cove..... | | | | 3 | 150 | | 3 | 30 | 6 | 3 | | | | | | |
| Cape Observation..... | | | | 6 | 300 | | 6 | 60 | 12 | 3 | | | | | | |
| Capelin Bay..... | | | | 8 | 450 | | 4 | 40 | 16 | 3 | | | | | | |
| Cow Point..... | | | | 3 | 150 | | 3 | 30 | 6 | 2 | | | | | | |
| Potatoes Cove..... | | | | 2 | 100 | | 2 | 20 | 4 | 1 | | | | | | |
| Cape Cove..... | | | | 6 | 300 | | 6 | 60 | 12 | 3 | | | | | | |
| Salmon River..... | | | | 1 | 50 | | 3 | 30 | 1 | 1 | 1 | 200 | 60 | | | |
| McDonald Cove..... | | | | 18 | 880 | | 17 | 170 | 34 | 11 | 1 | 100 | 25 | 1 | 120 | 80 |
| Schooners from Nova Scotia..... | | | | | | | | | | | | | | | | |
| Newfoundland and United States..... | 34 | | | | | | | | | | | | | | | |
| | 34 | | | | 147 | 6145 | 154 | 1567 | 300 | 78 | 14 | 1101 | 369 | 1 | 120 | 80 |

kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

COSTI DIVISION.

Nets and Seines.

| Herring Seines. | | | Herring Nets. | | | Mackerel Seines. | | | Mackerel Nets. | | | Capelin Seines. | | | Lauuce Seines. | | | Seal Nets. | | | Brush Fisheries | | |
|-----------------|--------|--------|---------------|--------|--------|------------------|--------|--------|----------------|--------|--------|-----------------|--------|--------|----------------|--------|--------|------------|--------|--------|-----------------|--------|--------|
| No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. |
| | | \$ | | | \$ | | | \$ | | | \$ | | | \$ | | | \$ | | | \$ | | | \$ |
| | | | 88 | 3950 | 1770 | | | | | | | 7 | 350 | 280 | | | | | | | | | |
| | | | 9 | 431 | 198 | | | | | | | 1 | 40 | 20 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 22 | 880 | 440 | | | | | | | 1 | 45 | 25 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 27 | 1104 | 435 | | | | | | | 1 | 50 | 60 | | | | | | | | | |
| | | | 12 | 300 | 185 | | | | | | | 1 | 60 | 80 | | | | | | | | | |
| | | | 6 | 150 | 90 | | | | | | | 1 | 50 | 60 | | | | | | | | | |
| | | | 8 | 400 | 120 | | | | | | | 1 | 60 | 60 | | | | | | | | | |
| | | | 12 | 600 | 180 | | | | 3 | 150 | 45 | 2 | 120 | 120 | | | | | | | | | |
| | | | 7 | 350 | 105 | | | | | | | 1 | 60 | 60 | | | | | | | | | |
| | | | 4 | 200 | 60 | | | | | | | 1 | 60 | 60 | | | | | | | | | |
| | | | 9 | 450 | 135 | | | | | | | 1 | 50 | 50 | | | | | | | | | |
| | | | 4 | 200 | 60 | | | | | | | | | | | | | | | | | | |
| 1 | 140 | 200 | 40 | 1615 | 675 | | | | 1 | 50 | 15 | 4 | 240 | 240 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 140 | 200 | 248 | 10630 | 4453 | | | | 4 | 200 | 60 | 22 | 1185 | 1115 | | | | | | | | | |

RETURN OF FISHING STATIONS, kinds of Vessels, Number of Men,

ISLAND OF

| Name of Place. | Salmon, Cured, brls. | Salmon, Fresh in ice, lbs. | Salmon, in cans, lbs. | Salmon, Smoked, boxes. | Summer Fishing. | Fall Fishing. | Haddock, quintals. | Ling, quintals. | Halibut, brls. | Herring, brls. | Smoked Herring, boxes. |
|-----------------------|----------------------|----------------------------|-----------------------|------------------------|-----------------|----------------|--------------------|-----------------|----------------|----------------|------------------------|
| | | | | | Cod, quintals. | Cod, quintals. | | | | | |
| English Bay..... | | | | | 2,000 | 150 | | | 50 | 50 | |
| Strawberry Cove..... | | | | | 350 | 75 | | | 15 | 14 | |
| Ellis Bay..... | 1 | | | | | | | | | 1,600 | |
| Becsie River..... | 7 | | | | | | | | | | |
| Otter River..... | | | | | | | | | | | |
| Jupiter River..... | 23 | | | | | | | | | | |
| South-West Point..... | | | | | 251 | 30 | | | 8 | 25 | |
| Chaloupe Creek..... | 24 | | | | | | | | | | |
| Dauphine River..... | 17 | | | | | | | | | | |
| Bay River..... | 10 | | | | | | | | | | |
| Belle River..... | 1 | | | | | | | | | | |
| Cormorant Point..... | 3 | | | | 40 | | | | 6 | | |
| Fox Bay..... | 4 | | | | 822 | | | | | 14,630 | |
| Manzerolle Cove..... | 1 | | | | 375 | 25 | | | 1 | 14 | |
| Spider Cove..... | | | | | 125 | | | | 1 | 8 | |
| Cape Observation..... | | | | | 310 | 95 | | | | 16 | |
| Capelin Bay..... | | | | | 295 | 80 | | | 2 | 43 | |
| Cow Point..... | | | | | 145 | | | | 1 | 19 | |
| Potatoes Cove..... | | | | | 80 | | | | 2 | 11 | |
| Cape Cove..... | | | | | 180 | 50 | | | | 50 | |
| Salmon River..... | | | | | 5 | | | | | | |
| McDonald's Cove..... | 6 | | | | 999 | 440 | | | 36 | 223 | |
| Total..... | 97 | | | | 5,977 | 945 | | | 122 | 17,003 | |

kinds of Nets used, kinds of Fish and Fish Oils, &c., &c.—*Continued.*

ANTICOSTI.—*Continued.*

| | Mackerel, brls. | Trout, brls. | Sardines, brls. | Eels, brls. | Tunny, brls. | Cod Tongues and Sounds, brls. | Seals, Whales and Porpoises. | | | | Cod. | | | | Fish and Clams used as Bait and Manure. | | | | Fish used for Local Consumption, brls. |
|----|-----------------|--------------|-----------------|-------------|--------------|-------------------------------|------------------------------|--------------------|----------------|-------------------|------------------|-------------------|----------------------|-----------------|---|----------------|--------------|-----------------|--|
| | | | | | | | 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. | |
| 20 | | | | | | 5 | 50 | 50 | | 120 | | | 1,600 | 400 | 350 | | 20 | 40 | |
| 4 | | | | | | 1 | 8 | 8 | | 20 | | | 200 | 70 | 120 | | 3 | 10 | |
| | | 1 | | | | | 4 | 4 | | 95 | | | | | | | | 1 | |
| | | 2 | | | | | 100 | 100 | | 235 | | | | | | | | 3 | |
| | | 6 | | | | | | | | | | | | | | | | 1 | |
| | 1 | | | | | | | | | | | | | | | | | 2 | |
| | | | | | | 2 | | | | | | | 180 | 180 | 112 | | 1 | 22 | |
| | | | | | | | | | | | | | | | | | | 6 | |
| | | | | | | | | | | | | | | | | | | 5 | |
| | | | | | | | | | | | | | | | | | | 5 | |
| | 2 | | | | | | | | | | | | | | | | | 3 | |
| | 30 | | | | | | | | | | | | 35 | | 35 | | | 2 | |
| | | | | | | | | | | | | | 349 | 162 | 340 | | | 100 | |
| | | | | | | | | | | | | | 325 | 25 | 60 | | | 50 | |
| | | | | | | | | | | | | | 125 | 15 | 36 | | | 6 | |
| | | | | | | | | | | | | | 175 | 45 | 65 | | | 5 | |
| | 1 | | | | | | | | | | | | 205 | 45 | 50 | | | 8 | |
| | | | | | | | | | | | | | 100 | 35 | 35 | | | 20 | |
| | 1 | | | | | | | | | | | | 40 | 15 | 15 | | | 7 | |
| | | | | | | | | | | | | | 90 | 30 | 35 | | | 10 | |
| | 8 | | | | | | 110 | 110 | | 380 | | | | | | | | 5 | |
| | | | | | | | 16 | 16 | | 44 | | | 825 | 131 | 202 | | | 134 | |
| 67 | 9 | | | | | 8 | 288 | 288 | | 894 | | | 3,249 | 1,153 | 1,455 | | 24 | 445 | |

RECAPITULATION.

YIELD and Value of the different Fisheries of the Island of Anticosti Division.

| Kinds of Fish. | Quantities. | Prices. | | Value. | |
|---|---------------------|---------|------|--------|------------|
| | | \$ | cts. | \$ | cts. |
| Summer Codfishing..... | 5,977 quintals.... | 5 | 00 | 29,885 | 00 |
| Autumn do | 945 do ... | 5 | 00 | 4,725 | 00 |
| Herring | 17,003 barrels..... | 5 | 00 | 85,015 | 00 |
| Halibut | 122 do | 6 | 00 | 732 | 00 |
| Mackerel | 67 do | 10 | 00 | 670 | 00 |
| Salmon, pickled | 97 do | 12 | 00 | 1,164 | 00 |
| Trout | 9 do | 8 | 00 | 72 | 00 |
| Cod Tongues and Sounds..... | 8 do | 9 | 00 | 72 | 00 |
| Seal Skins..... | 288 pieces..... | 1 | 25 | 360 | 00 |
| Seal Oil | 894 gallons..... | 0 | 50 | 447 | 00 |
| Cod do | 3,249 do | 0 | 50 | 1,624 | 50 |
| Fish and Clams used as bait and manure..... | 2,632 barrels | 1 | 00 | 2,632 | 00 |
| Fish used for local consumption..... | 445 do | 4 | 00 | 1,780 | 00 |
| Total value of the products of the Fisheries in 1878..... | | | | \$ | 129,178 50 |
| do do 1877..... | | | | | 135,352 75 |
| Decrease..... | | | | | \$6,174 25 |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men, kind of Nets used, kinds of Fish and Fish Oils, &c.

GENERAL RECAPITULATION.

| Divisions. | Vessels. | | | No. of Sailors. | Fishing Boats. | | | Flat Boats. | | | No. of Fishermen. | No. of Shoremen. | NETS AND SEINES. | | | | | | |
|----------------------------|----------|-------|--------|-----------------|----------------|--------|------|-------------|--------------|--------|-------------------|------------------|------------------|--------|-----------------|--------|-------|--------|-------|
| | No. | Tons. | Value. | | No. | Value. | No. | Value. | Salmon Nets. | | | | Cod Seines. | | Herring Seines. | | | | |
| | | | | | | | | | No. | Value. | | | No. | Yards. | No. | Yards. | No. | Yards. | |
| County of Gaspé..... | 44 | 2815 | 105100 | 223 | 1670 | 96165 | 1249 | 12351 | 3372 | 1694 | 116 | 24683 | 8514 | 1 | 100 | 72 | 1 | 50 | 100 |
| County of Bonaventure..... | 42 | 4385 | 202580 | 253 | 331 | 16072 | 250 | 2455 | 743 | 214 | 631 | 30377 | 14940 | ..... | ..... | ..... | ..... | ..... | ..... |
| Labrador..... | 298 | 2167 | 58850 | 296 | 872 | 38395 | 833 | 7744 | 1834 | 1085 | 372 | 40253 | 12668 | 29 | 6070 | 7350 | 81 | 5650 | 4113 |
| Magdalen Islands..... | 17 | 609 | 25200 | 76 | 403 | 16800 | 142 | 852 | 1035 | 496 | ..... | ..... | ..... | ..... | ..... | ..... | 4 | 700 | 700 |
| Anticosti Island..... | 34 | ..... | ..... | 160 | 147 | 6145 | 154 | 1567 | 300 | 78 | 14 | 1101 | 369 | 1 | 120 | 80 | 1 | 140 | 200 |
| Total..... | 435 | 10016 | 391830 | 1008 | 3423 | 173577 | 2328 | 24969 | 7284 | 3567 | 1133 | 96414 | 36491 | 31 | 6290 | 7502 | 87 | 6540 | 5113 |

NETS AND SEINES.

| Divisions. | Herring Nets. | | Mackerel Seines. | | Mackerel Nets. | | Capelin Seines. | | Lance Seines. | | Seal Nets. | | Brush Fisheries. | | Trout Nets. | | | | | |
|----------------------------|---------------|--------|------------------|-------|----------------|--------|-----------------|--------|---------------|------|------------|-------|------------------|--------|-------------|--------|-------|--------|-------|--------|
| | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | Value. | No. | Yards. | No. | Yards. | Value. | No. | Yards. | | | | |
| | | | | | | | | | | | | | | | | | No. | Value. | No. | Yards. | No. | Value. |
| County of Gaspé..... | 3612 | 110482 | 42622 | 1 | 60 | 75 | 130 | 5081 | 1726 | 137 | 6331 | 4837 | 27 | 565 | 1024 | ..... | ..... | ..... | ..... |  |
| County of Bonaventure..... | 562 | 20292 | 5104 | ..... | 145 | 4696 | 1734 | 2920 | ..... | 99 | 3740 | 2920 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Labrador..... | 98 | 4139 | 1607 | 2 | 410 | 516 | 180 | 82 | 5289 | 5231 | 28 | 1565 | 1718 | 179 | 10764 | 9787 | 6 | 56 | 9 | |
| Magdalen Islands..... | 309 | 10650 | 3090 | ..... | 634 | 31700 | 7608 | 5 | 420 | 320 | 263 | 16910 | 7940 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Anticosti Island..... | 248 | 10630 | 4453 | ..... | 4 | 200 | 60 | 22 | 1185 | 1115 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Total..... | 4829 | 156103 | 56872 | 3 | 470 | 491 | 931 | 42277 | 11373 | 345 | 16945 | 14423 | 55 | 2130 | 2742 | 444 | 27674 | 17727 | 15 | 336 |

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men, kind of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

GENERAL RECAPITULATION.—Continued.

| Divisions. | Salmon, Cured, brls. | Salmon, Fresh, in ice. | Salmon, in cans, lbs. | Salmon, Smoked. | SUMMER FISHING. | | F ALL FISHING. | | Haddock, quintals. | Ling, quintals. | Halibut, brls. | Herring, brls. | Herring, Smoked, boxes. | Mackerel, brls. | Trout, brls. | Sardines, brls. | Rels, brls. | Tunny, brls. | Cod Tongues & Sounds. |
|-----------------------------|----------------------|------------------------|-----------------------|-----------------|-----------------|----------------|----------------|----------------|--------------------|-----------------|----------------|----------------|-------------------------|-----------------|--------------|-----------------|-------------|--------------|-----------------------|
| | | | | | Cod, quintals. | Cod, quintals. | Cod, quintals. | Cod, quintals. | | | | | | | | | | | |
| County of Gaspé | 76 | 201948 | 23200 | ..... | 71634 | 33259 | 223 | 20 | 46 | 1493 | 15 | 1242 | 20 | 20 | ..... | ..... | ..... | ..... | 202 |
| County of Bonaventure | 107 | 253964 | 116374 | ..... | 5513 | 6388 | 441 | 5 | ..... | 5890 | ..... | 185 | 36 | ..... | ..... | ..... | 17 | ..... | 282 |
| Labrador | 2449 | 33886 | ..... | ..... | 15381 | 5088 | 3 | ..... | 109 | 15116 | 7 | 4077 | 69 | ..... | ..... | ..... | ..... | 33 | ..... |
| Magdalen Islands ..... | ..... | ..... | ..... | ..... | 16397 | 664 | ..... | ..... | 9 | 5361 | ..... | 3013 | 9 | ..... | ..... | ..... | ..... | ..... | 8 |
| Anticosti Island | 87 | ..... | ..... | ..... | 5977 | 945 | ..... | ..... | 122 | 17003 | ..... | 67 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total | 2729 | 49785 | 139574 | ..... | 253902 | 36344 | 666 | 26 | 286 | 44863 | 22 | 8583 | 134 | ..... | ..... | ..... | 17 | ..... | ..... |

| Divisions. | Seals, Whales and Porpoises. | | | Oils. | | | Fish and Oils used as Bait and Manure. | | | | | | Fish used for Local Consumption, brls. | | | | |
|-----------------------------|------------------------------|--------------------|----------------|-------------------|------------------|-------------------|--|-----------------|---------------------------|----------------------------|-------------------------------|-----------------|--|------------------------------------|------------------------------------|-------|-------|
| | 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 & Mackerel, brls. | Capelin and Lauince, brls. | Smelt, Squid and Trout, brls. | Cod Roes, brls. | Clams, brls. | Lobsters, Preserved, in cans, lbs. | Mackerel, Preserved, in cans, lbs. | ..... | ..... |
| County of Gaspé | 2 | 2 | 9 | ..... | 2 | 5120 | ..... | 45196 | 8649 | 4066 | 693 | 293 | 170 | 240960 | ..... | ..... | 2118 |
| County of Bonaventure | 20075 | 20075 | ..... | ..... | 83759 | 10773 | 100 | 10773 | 1119 | 7215 | 620 | 1137 | 504 | 149112 | ..... | ..... | 3669 |
| Labrador | 6039 | 6039 | 1 | ..... | 27178 | 145336 | ..... | 145336 | 605 | 60142 | ..... | 1157 | 539 | 390048 | ..... | ..... | 3512 |
| Magdalen Islands | 288 | 288 | ..... | ..... | 894 | 7316 | ..... | 7316 | 1523 | ..... | ..... | 24 | 321 | ..... | ..... | ..... | 1177 |
| Anticosti Island | 26401 | 26404 | 10 | ..... | 111833 | 3249 | ..... | 3249 | 1153 | 1455 | ..... | 2581 | 1334 | 780120 | ..... | ..... | 445 |
| Total | 26401 | 26404 | 10 | ..... | 111833 | 5600 | 100 | 211870 | 13049 | 72878 | 1213 | 2581 | 1334 | 780120 | ..... | ..... | 10921 |

EXTRACT

FROM THE LOG-BOOK OF THE FISHERIES PROTECTION STEAMER "LADY HEAD" FOR THE SEASON OF 1878.

- May 5.—Took charge of steamship "Lady Head" at Government Wharf, Halifax, 10.25 a.m.
- May 8.—Left Government Wharf, 2.30 p. m., anchored at Horse Shoe Island, 3 p.m.
- May 11.—Left Horse Shoe Island, 8.30 p.m.
- May 12.—Anchored at Isle de Sable, 6 a.m. Left Isle de Sable, 10 a.m. Anchored at Canso Point, 8.30 p.m.
- May 14.—Left Pictou Harbour, 4.30 p.m. Moored at the Mine's Wharf, 6.10 p.m.
- May 16.—Left the Mine's Wharf, 8.30 a. m. Anchored at Pictou Harbour, 8.50 a.m.
- May 17.—Left Pictou Harbour, 11.10 a.m. Anchored at West Point, Magdalen Islands, 10.50 p.m.
- May 18.—Left West Point, Magdalen Islands, 5. a.m. Anchored at Amherst, 7.25 a.m.
- May 19.—Left Amherst, 3.15 p.m. Anchored at House Harbour, 4.30 p.m.
- May 20.—Left House Harbour, 3.30 p.m. Anchored at Amherst, 4.20 p.m.
- May 22.—Left Amherst, 1.10 p. m. Brought to at Amherst on account of the fog, 2.20 p.m.
- May 26. Left Amherst, 6 a.m. Anchored at the Lighthouse, West Point, Magdalen Islands, 9.15 a.m.
- May 27.—Left West Point, Magdalen Islands, 3.45 a.m. Anchored at Gaspé Basin, 7.50 p.m.
- May 29.—Left Gaspé Basin, 10 a.m. Anchored at Barachois, 1.30 p.m. Left Barachois, 3 p.m. Anchored at Port Daniel, 7.45 p.m.
- May 30.—Left Port Daniel, 6.55 p.m. Anchored at Paspebiac, 8.45 p.m.
- May 31.—Left Paspebiac 12.40 p.m. Anchored off Cascapedia River, 6.35 p.m. Anchored at Maria, 7 p.m.
- June 1.—Left Maria, 12.30 p.m. Anchored at Carleton, 1.43 p.m.
- June 2.—Left Carleton, 12 a.m. Anchored at Campbellton, 2.30 p.m.
- June 5.—Left Campbellton, 10.10 a.m. Anchored at Carleton, 5 p.m.
- June 6.—Left Carleton, 5.15 a.m. Anchored at Cascapedia River, 6.40 a.m. Left Cascapedia River, 11 a.m. Brought to at Carlisle, 2 p.m. Left Carlisle, 2.15 p.m. Anchored at Port Daniel, 4.15 p.m.
- June 7.—Left Port Daniel, 4.10 a.m. Anchored at Pabos, 6.10 a.m. Left Pabos, 10.20 a.m. Anchored at Malbaie, 1.30 p.m. Left Malbaie, 3.10 p.m. Moored at the Wharf, Gaspé Basin, 5.50 p.m.
- June 8. - Left the Wharf and anchored in Gaspé Basin, 5.50 p.m.
- June 9.—Left Gaspé Basin, 1.45 p.m. Anchored at Sandy Beach, 2.10 p.m.
- June 10.—Left Sandy Beach, 4.15 p.m. Anchored at Grande Grève Cove, 6 p.m.
- June 11.—Left Grande Grève Cove, 12,30 a.m. Anchored at West Point, Magdalen Islands, 1.20 p.m.
- June 13.—Left West Point, Magdalen Island, 4.05 a.m. Anchored at House Harbour, 6.40 a.m. Left House Harbour, 11.36 a.m. Anchored at Amherst, 12.50 p.m.
- June 14.—Left Amherst, 12.55 p.m. Anchored at Bryon Island, 5.45 p.m. Left Bryon Island, 7.55 p.m.
- June 15.—Anchored at East Point, Anticosti, 3.45 a.m. Left East Point, Anticosti, 4.55 a.m. Anchored at Fox Bay, 6.20 a.m. Left Fox Bay, 9.20 a.m. Anchored at Kegashca, 3.30 p.m.
- June 20.—Left Kegashca, 7 a.m. Brought to on account of the fog, 11 a.m. Weighed anchor, 2 p.m. Anchored at Coacoachoo, 6.12 p.m.
- June 21.—Left Coacoachoo, 9.50 a.m. Anchored in Coacoachoo Bay, 10.10 a.m. Left the Bay, 11.40 a.m. Anchored at Kegashca, 7.15 p.m.

June 22.—Left Kegashca, 4 a.m. Anchored at Natashquan River, 7 a.m. Left Natashquan River, 1.50 p.m. Anchored at Little Natashquan Harbour, 2.02 p.m.

June 23.—Left Little Natashquan Harbour, 8.05 a.m. Anchored at Manicouagan Bay, 12.35 p.m.

June 24.—Weighed anchor, 3.30 p.m. Anchored nearer to the shore, 3.40 p.m.

June 26.—Left Manicouagan Bay, 12 a.m. Anchored at Esquimaux Point, 3.50 p.m.

June 27.—Left Esquimaux Point, 1.55 p.m. Anchored at Mingan, 3.55 p.m. Left Mingan, 6.30 p.m. Anchored at St. John River, 8 p.m.

June 28.—Left St. John River, 9 a.m. Brought to at Sheldrake, 11.35 a.m. Left Sheldrake, 1.15 p.m. Brought to at Pigou, 4 p.m. Left Pigou, 5.05 p.m. Brought to at Moisie River, 7 p.m. Left Moisie River, 7.10 p.m. Anchored at Seven Islands, 10 p.m.

July 1.—Left Seven Islands, 10.35 a.m. Stopped to repair rudder, 12.20 p.m. Left at 12.33 p.m.

July 2.—Anchored at Gaspé Basin, 4.45 a.m.

July 3.—Left Gaspé Basin, 2.15 p.m. Passed Miscou, 9.30 p.m.

July 4.—Anchored at Pictou Harbour, 6.30 p.m.

July 9.—Left Pictou Harbour, 3.30 p.m. Placed vessel on slip, 6.10 p.m.

July 13.—Vessel set afloat. Anchored in Harbour, 7.40 a.m.

July 15.—Left Pictou Harbour, 1.35 p.m. Anchored at Pictou Mines, 2.05 p.m. Moored at Mines Wharf, 3 p.m.

July 17.—Left the Mines Wharf, 12.55 p.m. Anchored at Pictou Harbour, 1.12 p.m.

July 18.—Left Pictou Harbour, 7.40 p.m. Anchored off Pictou Lighthouse on account of fog, 8 p.m.

July 19.—Left Pictou Lighthouse, 5.35 a.m. Anchored at East Point, Prince Edward Island, 1.20 p.m.

July 20.—Left East Point, Prince Edward Island, 4.30 a.m. Anchored at East Point Lighthouse, 6.15 a.m. Left the lighthouse, 11.10 a.m. Anchored at Cove Harbour, 12.20 p.m. Left Cove Harbour, P.E.I., 8.10 p.m.

July 21.—Anchored at Amherst, Magdalen Islands, 4.30 a.m. Left Amherst, 6.10 p.m. Anchored in the Bay near the sand bar, 6.25 p.m.

July 23.—Left the Bay, 3.10 p.m. Anchored at House Harbour.

July 24.—Left House Harbour, 8.25 a.m. Brought to at Amherst, 9.25 a.m. Left Amherst, 10.30 a.m. Passed off East Point, Magda'en Islands, 2 p.m.

July 25.—Anchored at Wapitigun, 8 a.m.

July 26.—Left Wapitigun, 7.55 a.m. Anchored at Harrington Inlet, 11.30 a.m. Left Harrington Inlet, 3.53 p.m. Anchored at Whale Head, Little Meccatina, 5.40 p.m.

July 27.—Left Whale Head, Little Meccatina, 7.50 a.m. Anchored near Island off Whale Head, 9.15 a.m.

July 28.—Left the Island, 12.40 p.m. Anchored at Bay des Moutons, 2.25 p.m.

July 29.—Left Bay des Moutons, 12.15 p.m. Anchored at La Tabatière, 1.50 p.m. Left La Tabatière, 2.20 p.m. Anchored at Whale Head, Pocachoo, 5.20 p.m.

July 30.—Left Whale Head, Pocachoo, 5.50 a.m. Anchored at St. Augustine, 7 a.m. Left St. Augustine, 9.40 a.m. Anchored at Chicatica, 11.10 a.m. Left Chicatica, 1.20 a.m. Anchored at Bay des Rochers, 2.20 p.m.

July 31.—Left Bay des Rochers, 4.35 a.m. Anchored at Bonne Espérance, 11.05 a.m. Anchored at Green Island, Labrador, 1.30 p.m. Left Green Island, Labrador, 4.30 p.m. Anchored at Bradore Harbour, 5.30 p.m.

August 2.—Left Bradore Harbour, 6 a.m. Anchored at Bonne Espérance, 8.10 a.m.

August 3.—Left Bonne Espérance, 12.35 p.m. Anchored at Salt Lake, St. Augustine, 5.25 p.m.

August 5.—Left Salt Lake, St. Augustine, 9.15 a.m. Brought to at Fonderie de Fecteau, 3.35 p.m. Left Fonderie de Fecteau, 3.50 p.m. Anchored at Bay des Moutons, 5.20 p.m.

August 6.—Left Bay des Moutons, 6 a.m. Brought to at Whale Head, Little Meccatina, 7.35 a.m. Left Whale Head, Little Meccatina 8.35 a.m. Brought to at Coacoachoo Bay, 3.05 p.m. Left Coacoachoo Bay, 4.35 p.m. Anchored at Kegashca, 9.20 p.m.

August 7.—Left Keagshca, 9.15 a.m. Anchored at Natashquan River, 12.35 p.m.

August 8.—Left Natashquan River, 1.40 p.m. Anchored at Ste. Geneviève Island 5.40 p.m.

August 25.—Left St. Geneviève Island, 4.43 a.m. Anchored at Esquimaux Point, 8.05 a.m. Left Esquimaux Point, 9.40 a.m. Brought to at Mingan, 11.25 a.m. Left Mingan, 12.15 p.m. Anchored at English Bay, Anticosti, 3.30 p.m. Left English Bay, 7.30 p.m.

August 10.—The ship is wrecked at Pointe Jaune, 1.40 a.m.

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

N. LAVOIE,
*Fishery Officer in command of the Fisheries
Protection Steamer "Lady Head."*

APPENDIX

RETURN OF FISHING STATIONS, Number and Value of Fishing Boats and Nets, Shore of the River St. Lawrence, from Pointe

| Names of Places. | Fishing Boats. | | No. of Fishermen. | KINDS OF NETS USED. | | | | | | | | No. of Salmon. | |
|---|----------------|--------|-------------------|--------------------------|--------|--------|----------------------------|--------|------------------|--------|-----------------|----------------|--------|
| | No. | Value. | | Salmon and Herring Nets. | | | Brush Fisheries with Nets. | | Brush Fisheries. | | Reel Fisheries. | | |
| | | | | No. | Yards. | Value. | No. | Value. | No. | Value. | No. | | Value. |
| | | \$ | | | | \$ | | \$ | | \$ | | | \$ |
| Pointe Lévis | 8 | 201 | 9 | | | 5 | 1,850 | | | | | | 361 |
| Beaumont | 5 | 164 | 9 | | | 3 | 1,240 | | | | | | 437 |
| St. Michel | 5 | 144 | 4 | | | 3 | 1,420 | | | | | | 387 |
| St. Valer | 4 | 84 | 4 | | | 3 | 3,500 | | | | | | 240 |
| Berthier | 5 | 54 | 16 | | | 3 | 1,640 | | | | 13 | 845 | 496 |
| St. Thomas | | | 24 | | | | | 7 | 410 | 17 | 600 | | |
| Cap St. Ignace..... | | | 6 | | | | | 6 | 143 | | | | |
| Crane and Goose Islands | | | | | | | | | | | | | |
| Anse à Gilles | | | 3 | | | | | | | 3 | | | 202 |
| L'Islet..... | | | 17 | | | | | | | 17 | 1,094 | | |
| St. Jean, Port Joli | | | 37 | | | | | | | 37 | 1,155 | | |
| St. Roch | | | 37 | | | | | 22 | 999 | 15 | 1,550 | | |
| St. Anne | | | 7 | | | | | 7 | 37 | | | | |
| Rivière Ouelle | | | 4 | | | | | 4 | 480 | | | | |
| do North-East | | | 71 | 3 | 200 | 100 | 1 | 200 | | 62 | 4,105 | | 300 |
| St. Denis | | | 29 | 1 | 120 | 50 | 1 | 50 | 3 | 90 | 21 | 1,575 | 275 |
| Kamouraska | | | 36 | | | | | 6 | 560 | 18 | 740 | | 8 |
| Isle aux Patins and other Islands, Kamouraska | | | 2 | | | | | 2 | 260 | 2 | 60 | | 30 |
| St. André | | | 40 | | | | | 8 | 830 | 20 | 695 | | |
| Notre Dame du Portage..... | | | 33 | | | | | 2 | 62 | 30 | 523 | | |
| Herring Nets. | | | | | | | | | | | | | |
| Rivière du Loup..... | 13 | 153 | 34 | 7 | 224 | 224 | | 6 | 320 | 12 | 265 | | 112 |
| Cacouna..... | 19 | 176 | 20 | | | | | 13 | 990 | 7 | 90 | | 860 |
| Isle Verte..... | 47 | 376 | 48 | | | | | 24 | 1,810 | | | | 220 |
| do Mainland | | | 25 | | | | | 18 | 805 | | | | 1 |
| Herring Nets. | | | | | | | | | | | | | |
| Lake Temiscouata and Touladi River..... | 15 | 97 | 26 | 20 | 888 | 68 | | 3 | 51 | | | | 96 |
| Trois Pistoles..... | 2 | 15 | 15 | | | | 1 | 20 | 10 | 213 | | | 440 |
| St. Simon | 3 | 28 | 7 | | | | 3 | 70 | 1 | 20 | | | 125 |
| Cap à L'Aigle | 1 | 8 | 2 | | | | 2 | 36 | | | | | 440 |
| Port au Pic | 1 | 6 | 7 | | | | 5 | 91 | | | | | 150 |
| Pointe à la Cive | 1 | 12 | 2 | | | | 1 | 20 | | | | | 110 |
| Anse à Mercier..... | 2 | 12 | 3 | | | | | | 2 | 45 | | | 202 |
| Islet au Flacon..... | 2 | 12 | 2 | | | | 1 | 50 | 1 | 20 | | | 200 |
| Baie de Ha! Ha! | 1 | 8 | 2 | | | | | | 2 | 80 | | | 11 |
| Cap à L'Original | | | 3 | | | | | | 2 | 40 | | | 130 |
| Anse au Bouleau | 2 | 14 | 6 | | | | | | 3 | 55 | | | |

No. 4.

Number of Men, together with the Yield, Value and Kinds of Fish on the South Lévis to Cape Chatte, during the Year 1878.

KINDS OF FISH.

| No. of Shad. | Herrings, barrels. | No. of Eels. | Sturgeon, barrels. | Sardines, barrels. | Bar and Whitefish, doz. | No. of Bar Fish. | Small and Mixed Fish. | Mackerel, barrels. | Codfish, quintals. | Cod Oil, galls. | No. of Seals and Skins. | Seal Oil, galls. | Fish for Manure, galls. |
|--------------|--------------------|--------------|--------------------|--------------------|-------------------------|------------------|-----------------------|--------------------|--------------------|-----------------|-------------------------|------------------|-------------------------|
| 957 | | | 1 | | 205 | | | | | | | | |
| 1,870 | | 400 | 16 | | 121 | | | | | | | | |
| 600 | | 2,800 | 20 | | 930 | | | | | | | | |
| 560 | | 7,000 | 52 | | 825 | | | | | | | | |
| 500 | | 5,285 | 11 | | 1,430 | | 63 | | | | | | |
| | | 3,348 | 61 | | | 1,400 | 150 | | | | | | |
| | | 436 | 26 | | | 160 | 42 | | | | | | |
| | | 13,550 | | | | | | | | | | | |
| | | 2,700 | | | | | 5 | | | | | | |
| | | 10,641 | | | | | 179 | | | | | | |
| | | 15,726 | | | | | 525 | | | | | | |
| | | 18,217 | | | | | 99 | | | | | | |
| | | 6,040 | | | | | 17 | | | | | | |
| | | 7,600 | | | | | | | | | | | |
| 800 | 20 | 77,450 | | 20 | | | | | | | | | 25 |
| 1,000 | 9 | 15,850 | | 100 | | | 500 | | | | | | 100 |
| 250 | 140 | 7,550 | | 690 | | | 20 | | | | | | 100 |
| | | | | | | | | | | | | | |
| 250 | 120 | 20 | 20 | 120 | | | | | | | | | 800 |
| 110 | 391 | 9,630 | 9 | 1,075 | | | 690 | | | | | | 100 |
| | | 6,430 | | 5 | | | 20 | | | | | | |
| | | | | | | | | | | | | | |
| 135 | 817 | 2,530 | | 88 | | | | | | | | | 95 |
| | 746 | 999 | | 1,215 | | | | | | | | | 1,525 |
| 1,173 | 810 | | | 10 | | | | | | | | | 2,133 |
| | 440 | | | 15 | | | | | | | | | |
| | | | | | | | 415 | | | | | | |
| | | | | | | | | | | | | | |
| | 179 | | | | | | | | | | | | |
| 120 | 319 | | 2 | 119 | | | 24 | | | | | | 99 |
| 10 | 10 | | | | | | 2 | | | | | | 40 |
| 2 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | |
| | | | | | | | 2 | | | | | | |
| 45 | 50 | | | 25 | | | 4 | | | | | | 70 |
| 25 | 25 | | | 10 | | | | | | | | | 25 |
| 100 | 100 | | | 25 | | | | | | | | | 25 |
| | 90 | | | 15 | | | | | | | | | 40 |
| 16 | 55 | | | 21 | | | 40 | | | | | | 57 |

RETURN OF FISHING STATIONS, Number and Value of Fishing Boats and Nets, Shore of the River St. Lawrence, from Point Lévis

| Names of Places. | Fishing Boats. | | No. of Fishermen. | KINDS OF NETS USED. | | | | | | | | No. of Salmon. | | |
|-------------------------|----------------|--------|-------------------|--------------------------|--------|----------------------------|-----|------------------|-----|----------------|-----|----------------|--------|-------|
| | No. | Value. | | Salmon and Herring Nets. | | Brush Fisheries with Nets. | | Brush Fisheries. | | Eel Fisheries. | | | | |
| | | | | No. | Yards. | Value. | No. | Value. | No. | Value. | No. | | Value. | |
| Cap Enragé | 1 | 5 | 2 | 1 | 100 | 60 | | | | | | | | 320 |
| Islet Brûlée..... | | | 6 | | | | | | 3 | 85 | | | | 103 |
| Rivière Hâtée..... | 2 | 14 | 6 | | | | 1 | 40 | 2 | 70 | | | | 550 |
| Anse au Sable | 3 | 30 | 19 | | | | | | 10 | 355 | | | | 70 |
| Islet à Carmel | | | 2 | | | | | | 1 | 120 | | | | 150 |
| Isle St. Barnabé | | | | | | | | | 3 | 60 | | | | 132 |
| Rimouski..... | | | 1 | 40 | 30 | | | | 9 | 130 | | | | 323 |
| Ste. Luce..... | | | 1 | 75 | 45 | | | | 18 | 288 | | | | 685 |
| Ste. Flavie | | | | | | | | | 2 | 40 | | | | 45 |
| Metis | | | | | | | | | 6 | 80 | | | | 156 |
| Boules..... | | | 2 | 100 | 60 | | | | | | | | | 150 |
| Rivière Blanche..... | | | | | | | | | 3 | 30 | | | | 25 |
| St. Ulric..... | | | 9 | | | | | | 9 | 156 | | | | 11 |
| Matane | | | 18 | | | | | | 18 | 337 | | | | 58 |
| Ste. Félicité | | | 16 | | | | | | 16 | 310 | | | | 21 |
| Islets des Méchins..... | | | 2 | 2 | 60 | 8 | | | | | | | | 10 |
| Mechins | 6 | 120 | 6 | 3 | 100 | 40 | | | | | | | | 150 |
| Capucins | 9 | 200 | 9 | 1 | 40 | 16 | | | 3 | 60 | | | | |
| Fly Fishing:— | | | | | | | | | | | | | | |
| Rimouski River..... | | | | | | | | | | | | | | 74 |
| Matane do | | | | | | | | | | | | | | 60 |
| Métis do | | | | | | | | | | | | | | 42 |
| Total..... | 157 | 1,933 | 632 | 42 | 1,947 | 701 | 33 | 10,227 | 255 | 10,441 | 274 | 13,499 | | 8,765 |

Number of Men, together with the Yield, Value and Kinds of Fish, on the South to Cape Chatte, during the Year 1878.—Continued.

KINDS OF FISH.

| No. of Shad. | Herrings, barrels. | No. of Eels. | Sturgeon, barrels. | Sardines, barrels. | Bar and White Fish, doz. | No. of Bar Fish. | Small and Mixed Fish, brls. | Mackerel, barrels. | Codfish, quintals. | Cod Oil, gallons. | No. of Seals and Skins. | Seal Oil, gallons. | Fish for Manure, barrels. |
|--------------|--------------------|--------------|--------------------|--------------------|--------------------------|------------------|-----------------------------|--------------------|--------------------|-------------------|-------------------------|--------------------|---------------------------|
| 25 | | | | | | | | | | | | | |
| 3 | 43 | | | 13 | | | 5 | | | | | | 230 |
| 4 | 450 | | | 60 | | | | | | | | | 58 |
| | 628 | | | 56 | | | 15 | | | | | | 65 |
| | 60 | | | 60 | | | 4 | | | | 3 | 15 | |
| 3,300 | 1,400 | | | 148 | | | | | | | | | |
| | 94 | 1,300 | | | | | 217 | | | | | | |
| 460 | 1,265 | | | 450 | | | | | | | | | |
| | 200 | | | 100 | | | | | | | | | |
| | 380 | | | 180 | | | | | | | | | |
| | 40 | | | 5 | | | | | | | | | |
| | | | | 25 | | | | | | | | | |
| | 2 | | | 24 | | | | | 450 | 210 | | | |
| | 74 | | | 7 | | | | 71 | | | | | |
| | | | | | | | | | 750 | 40 | | | |
| | 18 | | | | | | 3 | 5 | 1,490 | 40 | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 12,361 | 8,995 | 215,502 | 218 | 4,681 | 3,511 | 1,560 | 3,041 | 76 | 2,690 | 290 | 3 | 15 | 5,587 |

RECAPITULATION.

YIELD and Value of the Different Fisheries from Point Lévis to Cape Chatte in 1878.

| Kinds of Fish. | Quantities. | Price. | | Value. | |
|---|-----------------|--------|------|---------|------|
| | | \$ | cts. | \$ | cts. |
| Codfish | 2,690 quintals. | 5 | 00 | 13,450 | 00 |
| Shad | 12,361 pieces. | 0 | 10 | 1,236 | 10 |
| Herring | 8,995 barrels. | 5 | 00 | 44,975 | 00 |
| Salmon | 8,765 pieces. | 1 | 00 | 8,765 | 00 |
| Sturgeon | 218 barrels. | 8 | 00 | 1,744 | 00 |
| Bar and Whitefish | 3,511 dozen. | 2 | 00 | 7,022 | 00 |
| Bar Fish | 1,560 pieces. | 0 | 50 | 780 | 00 |
| Sardines | 4,681 barrels. | 5 | 00 | 23,405 | 00 |
| Eels | 215,502 pieces. | 0 | 10 | 21,550 | 20 |
| Small and mixed fish | 3,041 barrels. | 0 | 50 | 1,520 | 50 |
| Mackerel | 76 do | 10 | 00 | 760 | 00 |
| Seal Skins | 3 pieces. | 1 | 25 | 3 | 75 |
| Seal Oil | 15 gallons. | 0 | 50 | 7 | 50 |
| Cod Oil | 290 do | 0 | 50 | 145 | 00 |
| Fish used as manure | 5,587 barrels. | 0 | 25 | 1,396 | 75 |
| Total Value of the Products of the Fisheries for 1878 | | | | 126,760 | 80 |
| do do do 1877 | | | | 133,285 | 90 |
| Decrease | | | | 6,525 | 10 |

APPENDIX No. 5.

RETURN of Fishing Stations, Number and Value of Fishing Boats and Nets, Number of Men, together with the Yield, Value and Kinds of Fish, &c., on the north side of the River St. Lawrence, from Quebec to Berstimis, during the Year 1878.

| Name of Places. | Fishing Boats. | | Number of Fishermen. | Kinds of Nets used. | | | | | | Kinds of Fish. | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|--------|----------------------|---------------------|--------|----------------------------|--------|------------------|--------|----------------|----------------|--------------|----------------|--------------|-----------------|-----------------|------------------------|-----------------------------|----------------------------------|-----------------|-------------------------|-----------------------------|------------------|----------------------|------------------------|-----|--------|--|--|--|--|--|--|--|--|--|
| | No. | Value. | | Salmon Nets. | | Brush Fisheries with Nets. | | Brush Fisheries. | | Rel Fisheries. | No. of Salmon. | No. of Shad. | Herring, brls. | No. of Bels. | Sturgeon, brls. | Sardines, brls. | Bar & White Fish, Doz. | Small and Mixed Fish, brls. | Speckled, Grey & Sea Trout, lbs. | No. of Winnons. | No. of Seals and Skins. | No. of Porpoises and Skins. | Seal Oil, galls. | Porpoise Oil, galls. | Fish for Manure, brls. | | | | | | | | | | | |
| | | | | Yards. | Value. | No. | Value. | No. | Value. | | | | | | | | | | | | | | | | | No. | Value. | | | | | | | | | |
| <i>Island of Orleans.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Laurent..... | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. François (south side of the Island)..... | | | 2 | 440 | 220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Argentenay (south side of the Island)..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. François (north side of the Island)..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Famille (north side of the Island)..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Pierre (north side of the Island)..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>North Coast.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Château Richer..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Anne..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Joachim (Paris)..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Joachim (Paris)..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Joachim (Cape Tourmente)..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Point St. Paul..... | | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Isle aux Coudercs..... | | | 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RETURN of Fishing Stations, Number and Value of Fishing Boats and Nets, Number of Men, together with the Yield, Value and Kinds of Fish, &c., on the North side of the River St. Lawrence, &c.—Continued.

| Names of Places. | Fishing Boats. | | Kinds of Nets used. | | | | | | Kinds of Fish. | | | | | | | | | | Fish for Manure, brls. | | | | | |
|------------------------------|----------------|--------|---------------------|--------|-------|--------|-------|--------|----------------|--------------|-----------------|--------------|-----------------|-----------------|--------------------------|-------------------|-----------------------------------|-------------------|------------------------|-------------------------|-----------------------------|-------------------|----------------------|--------|
| | No. | Value. | No. | Value. | No. | Value. | No. | Value. | No. of Salmon. | No. of Shad. | Herrings, brls. | No. of Eels. | Sturgeon, brls. | Sardines, brls. | Bar and White-fish, doz. | Small Fish, brls. | Grey Speckled and Sea Trout, lbs. | No. of Winnonish. | | No. of Seals and Skins. | No. of Porpoises and Skins. | Seal Oils, galls. | Porpoise Oil, galls. | |
| | | | | | | | | | | | | | | | | | | | | | | | | Yards. | Value. | Salmon Nets | Brush Fisheries with Nets. | Brush Fish-eries. | Eel Fish-eries. | No. | Value. |
| Les Eboulements | 74 | ..... | ..... | ..... | 27 | 570 | 47 | 735 | ..... | ..... | 6935 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1092 | |
| St. Irénée | 24 | ..... | ..... | ..... | 16 | 480 | 8 | 116 | ..... | ..... | 798 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1070 | |
| Maibate | 22 | ..... | 164 | 100 | 15 | 458 | 6 | 100 | 188 | ..... | 164 | 125 | ..... | ..... | ..... | 29 | ..... | ..... | ..... | ..... | ..... | ..... | 992 | |
| <i>St. Agnès</i> — | | | | | | | | | | | | | | | | | | | | | | | | |
| Little Lake Nairne ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 700 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Grand Lake Nairne ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11000 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Lake Hilario ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1000 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Lake Pointe à Jérôme ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1000 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Long & DesMonts Lakes. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3000 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Lac Ajacot ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 30000 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Lac Comporté ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12000 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Lac Gravelle ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10000 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Lac Morin ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8000 | ..... | ..... | ..... | ..... | ..... | ..... |  |
| St. Fidèle | 5 | ..... | ..... | ..... | 5 | 170 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 992 | |
| St. Siméon | 3 | ..... | 264 | 150 | 1 | 30 | ..... | ..... | 140 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 126 | |
| <i>Lake St. John</i> — | | | | | | | | | | | | | | | | | | | | | | | | |
| Salmon River (angling) | | | | | | | | | | | | | | | | | | | | | | | | |
| Mistassini | 4 | | 240 | 24 | | | | | | | | | | | | | | | | | | | | |
| St. Félicien | 30 | | 1800 | 180 | | | | | | | | | | | | | | | | | | | | |
| Ashapmouchouan | 10 | | 600 | 60 | | | | | | | | | | | | | | | | | | | | |
| Roberval | 40 | | 2400 | 240 | | | | | | | | | | | | | | | | | | | | |
| Charlevoix | 18 | | 1080 | 108 | | | | | | | | | | | | | | | | | | | | |
| Metabetchouan (East) | 20 | | 1200 | 120 | | | | | | | | | | | | | | | | | | | | |
| Metabetchouan (West) | 24 | | 1400 | 140 | | | | | | | | | | | | | | | | | | | | |
| Signay | 15 | | 900 | 90 | | | | | | | | | | | | | | | | | | | | |
| Labarre | 12 | | | | | | | | | | | | | | | | | | | | | | | |

| Saguenay River :— | 6 | 3 | 16 | 8 | 42 | 2 | 16 | 2 | 18 | 2 | 8 | 180 | 1 | 3 | 23 | 14 | 900 | 1100 | 2800 | | | | | | | | |
|--|-----|------|-----|-----|-------|------|-----|-----|-----|------|-----|------|------|------|-----|-------|------|------|-------|------|--------|------|------|-----|-------|-------|------|
| Ste. Anne..... | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 180 | 1 | 3 | 23 | 14 | 900 | 1100 | 2800 | | | | | | | | |
| Chicoutimi..... | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 180 | 1 | 3 | 23 | 14 | 900 | 1100 | 2800 | | | | | | | | |
| St. Fulgence..... | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 180 | 1 | 3 | 23 | 14 | 900 | 1100 | 2800 | | | | | | | | |
| Grande Baie and Anse à Benjamin..... | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 180 | 1 | 3 | 23 | 14 | 900 | 1100 | 2800 | | | | | | | | |
| Petites Isles (for breeding purposes)..... | 2 | 25 | 1 | 1 | 60 | 55 | 45 | 45 | 45 | 45 | 45 | 300 | 3 | 8 | 300 | 40 | 300 | 300 | 300 | | | | | | | | |
| Pointe Rouge..... | 2 | 40 | 4 | 4 | 100 | 80 | 535 | 535 | 535 | 535 | 535 | 300 | 4 | 4 | 300 | 40 | 300 | 300 | 300 | | | | | | | | |
| Rivière au Canard..... | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 300 | 4 | 4 | 300 | 40 | 300 | 300 | 300 | | | | | | | | |
| Pointe au Bouleau..... | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 300 | 3 | 11 | 10 | 40 | 300 | 300 | 300 | | | | | | | | |
| Anse Ste. Catherine..... | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 300 | 3 | 11 | 10 | 40 | 300 | 300 | 300 | | | | | | | | |
| Tadoussac..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 300 | 3 | 11 | 10 | 40 | 300 | 300 | 300 | | | | | | | | |
| Moulin Baude..... | 1 | 16 | 2 | 2 | 70 | 60 | 300 | 300 | 300 | 300 | 300 | 300 | 3 | 1 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| Anse Puante..... | 1 | 20 | 2 | 2 | 80 | 50 | 163 | 163 | 163 | 163 | 163 | 300 | 3 | 1 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| Pointe à Carole..... | 1 | 20 | 2 | 2 | 80 | 60 | 300 | 300 | 300 | 300 | 300 | 300 | 3 | 1 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| Anse aux Basques and Bergeronnes..... | 2 | 20 | 3 | 3 | 80 | 75 | 175 | 175 | 175 | 175 | 175 | 300 | 3 | 1 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| Pon Desir..... | 3 | 40 | 3 | 3 | 130 | 83 | 125 | 125 | 125 | 125 | 125 | 300 | 4 | 2 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| Escoumains..... | 3 | 40 | 3 | 3 | 130 | 83 | 125 | 125 | 125 | 125 | 125 | 300 | 4 | 2 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| Islets Fenches..... | 4 | 65 | 6 | 6 | 231 | 205 | 563 | 563 | 563 | 563 | 563 | 300 | 4 | 2 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| Little Escoumains..... | 2 | 30 | 2 | 2 | 55 | 15 | 15 | 15 | 15 | 15 | 15 | 300 | 3 | 7 | 7 | 7 | 300 | 300 | 300 | | | | | | | | |
| Little Romaine..... | 1 | 20 | 2 | 2 | 55 | 15 | 15 | 15 | 15 | 15 | 15 | 300 | 3 | 7 | 7 | 7 | 300 | 300 | 300 | | | | | | | | |
| Mille Vaches..... | 1 | 30 | 1 | 1 | 55 | 15 | 15 | 15 | 15 | 15 | 15 | 300 | 3 | 7 | 7 | 7 | 300 | 300 | 300 | | | | | | | | |
| Portneuf..... | 3 | 38 | 2 | 2 | 140 | 96 | 200 | 200 | 200 | 200 | 200 | 300 | 3 | 2 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| Saut au Cochon..... | 1 | 20 | 2 | 2 | 140 | 96 | 200 | 200 | 200 | 200 | 200 | 300 | 3 | 2 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| Pointe aux Colombiers..... | 1 | 25 | 3 | 3 | 100 | 89 | 150 | 150 | 150 | 150 | 150 | 300 | 3 | 7 | 7 | 7 | 300 | 300 | 300 | | | | | | | | |
| Islets Jérémie..... | 1 | 20 | 2 | 2 | 170 | 35 | 40 | 40 | 40 | 40 | 40 | 300 | 3 | 7 | 7 | 7 | 300 | 300 | 300 | | | | | | | | |
| Bersimis..... | 101 | 2020 | 200 | 200 | 75 | 30 | 20 | 20 | 20 | 20 | 20 | 300 | 10 | 2 | 2 | 2 | 300 | 300 | 300 | | | | | | | | |
| From Rivière au Canard to Bersimis..... | | | | | | | | | | | | | | | | | 1600 | 60 | 16000 | 7500 | | | | | | | |
| Fly Fishing :— | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| River Ste. Marguerite, N.-E. Branch..... | | | | | | | 63 | 63 | 63 | 63 | 63 | | | | | | | | | | | | | | | | |
| River du Gouttre..... | | | | | | | 7 | 7 | 7 | 7 | 7 | | | | | | | | | | | | | | | | |
| Murray River..... | | | | | | | 8 | 8 | 8 | 8 | 8 | | | | | | | | | | | | | | | | |
| Little Saguenay River..... | | | | | | | 7 | 7 | 7 | 7 | 7 | | | | | | | | | | | | | | | | |
| Total..... | 126 | 3419 | 679 | 187 | 11684 | 2335 | 5 | 165 | 130 | 2819 | 208 | 8083 | 3269 | 1000 | 135 | 50819 | 13 | 224 | 981 | 711 | 424740 | 4045 | 1600 | 102 | 16000 | 10004 | 5193 |

RECAPITULATION.

YIELD and Value of the different Fisheries from Quebec to Bersimis in 1878.

| Kinds of Fish. | Quantities. | Price. | | Value. | |
|---|-------------------|--------|------|--------|-----------|
| | | \$ | cts. | \$ | cts. |
| Salmon | 3,259 pieces..... | 1 | 00 | 3,259 | 00 |
| Herring | 135 barrels..... | 5 | 00 | 675 | 00 |
| Shad..... | 1,000 pieces..... | 0 | 10 | 100 | 00 |
| Sardines..... | 224 barrels..... | 5 | 00 | 1,120 | 00 |
| Winnonish..... | 4,045 pieces..... | 0 | 25 | 1,011 | 25 |
| Trout, Sea, Speckled and Grey..... | 424,740 lbs. | 0 | 08 | 33,979 | 20 |
| Sturgeon..... | 13 barrels..... | 8 | 00 | 104 | 00 |
| Bar and Whitefish..... | 981 doz..... | 2 | 00 | 1,962 | 00 |
| Eel | 50,819 pieces.... | 0 | 10 | 5,081 | 90 |
| Small and mixed Fish..... | 711 barrels..... | 0 | 50 | 355 | 50 |
| Seal Skins..... | 1,600 pieces..... | 1 | 25 | 2,000 | 00 |
| Porpoise Skins..... | 102 do | 4 | 00 | 408 | 00 |
| Seal Oil..... | 16,000 gallons... | 0 | 50 | 8,000 | 00 |
| Porpoise Oil..... | 10,004 do | 0 | 80 | 8,003 | 20 |
| Fish used as manure..... | 5,493 barrels... | 0 | 25 | 1,373 | 25 |
| Total Value of the products of the Fisheries, 1878..... | | | | \$ | 67,432 30 |
| do do do 1877..... | | | | | 62,366 50 |
| Increase..... | | | | \$ | 5,065 80 |

APPENDIX No. 6.

RETURN of Number and Value of Fishing Boats and Nets, together with the Yield, Value and Kinds of Fish, &c., in the Districts above Quebec, during the Year 1877.

| Names of Places. | Fishing Boats. | | No. of Fishermen. | | Kinds of Nets Used. | | | | | Kinds of Fish. | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|--------|-------------------|--------|---------------------|--------|---------|--------|-------------|----------------|-------------|--------|----------------|--------------|-------------------------------------|--------------|--------------------|----------------------------------|---------------------------|----------------|--------------------|----------------|--------------------|----------------|---------------------------|------------------------------|-------|-------|-------|-------|-------|-------|
| | No. | Value. | No. | Value. | Gill Nets. | | Seines. | | Pound Nets. | | Fish Traps. | | No. of Salmon. | No. of Shad. | Fresh-water Her- rings, barrels. | No. of Eels. | Sturgeon, barrels. | Speckled and Grey Trout, lbs. | Bar and White-sh, doz. | Tom Cod, bush. | No. of Maskinonge. | Bass, barrels. | Pickarel, barrels. | Pike, barrels. | Mixed Fish, bar- rels. | Fish for Manure, barrels. | | | | | | |
| | | | | | Yards. | Value. | No. | Value. | No. | Value. | No. | Value. | | | | | | | | | | | | | | | | | | | | |
| Three Rivers Division..... | 200 | 6500 | 200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9000 | ..... | 40000 | ..... | ..... | 2000 | 25000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 400 | ..... |  |  |  |  |
| St. Francis do..... | 6 | 100 | 6 | 1 | 20 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1050 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 150 | ..... |  |  |  |  |
| Sorel do..... | 500 | 1600 | 500 | 100 | 2500 | 500 | 100 | 1500 | ..... | ..... | ..... | ..... | 1000 | ..... | 7500 | 25 | ..... | 30 | ..... | 60 | ..... | 18 | ..... | ..... | ..... | ..... | ..... | ..... |  |  |  |  |
| Magog do..... | ..... | ..... | ..... | 9 | ..... | ..... | ..... | 180 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8 | ..... | ..... | ..... | ..... | ..... |  |  |  |  |
| M. ssisquoi do..... | 15 | 113 | 37 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3682 | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 167 | ..... | ..... | ..... | 54 | ..... |  |  |  |  |
| Richelieu do..... | 14 | 401 | 59 | ..... | ..... | ..... | ..... | 317 | 1 | 100 | ..... | ..... | ..... | ..... | 46355 | 16 | ..... | ..... | ..... | ..... | 1474 | ..... | 915 | ..... | ..... | ..... | 560 | ..... |  |  |  |  |
| Montreal do..... | 240 | 1600 | 256 | 40 | 900 | 50 | 40 | 40 | ..... | ..... | ..... | ..... | ..... | ..... | 3000 | 15 | ..... | 15 | ..... | ..... | 60 | 5 | ..... | ..... | ..... | ..... | 30 | ..... |  |  |  |  |
| Terrebonne do..... | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chateauguay and Beau- harnois Division..... | 50 | 1000 | 50 | 20 | 400 | 20 | 15 | 200 | | | | | | | | 10 | | | | | 60 | | | | | | 2550 | | | | | |
| Argenteuil Division..... | | | 50 | | | | | | | | | | | | 200 | | | 80 | | | | | | | | | | | | 10 | | |
| Lower Ottawa do..... | 100 | 400 | 130 | 380 | 11350 | 3286 | | | | | | | | | 5000 | 190 | | | | | | | | | | | | | | | | |
| Upper do..... | 40 | 300 | 40 | 80 | 2000 | 800 | | | | | | | | | 3000 | 35 | | | 500 | | 700 | | | | | | 200 | 250 | 2500 | | | |
| Gatineau Lakes Division (hook and line fishing) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total..... | 1192 | 12014 | 1486 | 621 | 17170 | 4666 | 178 | 2607 | 1 | 100 | 4 | 3058 | | 13672 | 11 | 106055 | 292 | 85000 | 4525 | 25000 | 880 | 1614 | | 2272 | 1148 | | 16810 | 10 | | | | |

RECAPITULATION.

YIELD and Value of the different Fisheries in the Districts above Quebec in 1878.

| Kinds of Fish. | Quantities. | Prices. | | Value. |
|---|---------------------|---------|------|--------------|
| | | \$ | cts. | \$ cts. |
| Shad..... | 13,672 pieces..... | 0 | 10 | 1,367 20 |
| Fresh-water Herrings.. | 11 barrels..... | 5 | 00 | 55 00 |
| Eels..... | 106,055 pieces..... | 0 | 10 | 10,605 50 |
| Sturgeon..... | 292 barrels..... | 8 | 00 | 2,336 00 |
| Speckled and Grey Trout..... | 85,000 lbs..... | 0 | 08 | 6,800 00 |
| Bar and Whitefish..... | 4,525 dozen..... | 2 | 00 | 9,050 00 |
| Tom Cod..... | 25,000 bushels..... | 0 | 50 | 12,500 00 |
| Maskinongé..... | 880 pieces..... | 2 | 00 | 1,760 00 |
| Bass..... | 1,614 barrels..... | 10 | 00 | 16,140 00 |
| Pickarel..... | 2,272 do..... | 10 | 00 | 22,720 00 |
| Pike..... | 1,148 do..... | 10 | 00 | 11,480 00 |
| Mixed Fish..... | 16,810 do..... | 5 | 00 | 84,050 00 |
| Fish used as manure..... | 10 do..... | 0 | 25 | 2 50 |
| Total Value of the Products of the Fisheries, 1878..... | | | | \$178,866 20 |
| do do do 1877..... | | | | 166,663 30 |
| Increase..... | | | | \$ 12,202 90 |

APPENDIX No. 7.

GENERAL RECAPITULATION

OF the Yield and Value of the Fisheries on the North and South Shores of the River and Gulf St. Lawrence, from Quebec to Blanc Sablon, and from Point Lévis to Baie des Chaleurs, and in the Districts above Quebec, during the years 1877 and 1878.

| Kinds of Fish. | Quantities. | | Value. | |
|---|-------------|---------|--------------|--------------|
| | 1877. | 1878. | 1877. | 1878. |
| | | | \$ cts. | \$ cts. |
| Cod fish..... Qncls. | 263,442 | 292,936 | 1,317,270 00 | 1,464,690 00 |
| Herring, pickled..... Brls. | 73,924 | 53,983 | 358,925 50 | 269,915 00 |
| do smoked..... Boxes. | 700 | 22 | 175 00 | 5 50 |
| do fresh-water..... Brls. | 25 | 11 | 125 00 | 55 00 |
| Mackerel..... " | 5,313½ | 8,659 | 53,435 00 | 86,590 00 |
| do preserved in cans..... Lbs. | 960 | 5,136 | 114 00 | 770 40 |
| Haddock..... Qncls. | 248 | 666 | 1,240 00 | 3,330 00 |
| Ling..... " | 99 | 25 | 495 00 | 125 00 |
| Halibut..... Brls. | 227½ | 286 | 1,365 00 | 1,716 00 |
| Salmon, pickled..... " | 2,232½ | 2,729 | 26,790 00 | 32,748 00 |
| do fresh on ice..... Lbs. | 326,548 | 489,786 | 16,327 00 | 24,489 30 |
| do do..... Pieces | 8,806 | 12,021 | 8,806 00 | 12,024 00 |
| do smoked..... Box-s. | 1 | | 4 00 | |
| do preserved in cans..... Lbs. | 100,605 | 139,574 | 15,090 75 | 20,936 10 |
| Winnonish..... Pieces | 3,290 | 4,045 | 8 2 50 | 1,011 25 |
| Trout (Sea)..... Brls. | 276½ | 131 | 2,212 00 | 1,072 00 |
| do Speckled and Grey..... Lbs. | 458,740 | 509,740 | 36,687 20 | 40,779 20 |
| Sturgeon..... Brls. | 617½ | 523 | 4,940 00 | 1,184 00 |
| Bar and Whitefish..... Doz. | 10,539 | 9,017 | 21,078 00 | 18,034 00 |
| Bar Fish..... Pieces | 2,642 | 1,560 | 1,321 00 | 780 00 |
| Siad..... " | 52,647 | 27,033 | 5,264 70 | 2,703 30 |
| Sardines..... Brls. | 8,130 | 4,905 | 40,650 00 | 24,525 00 |
| Eels..... " | 23 | 17 | 230 00 | 170 00 |
| do..... Pieces | 282,744 | 372,376 | 28,274 00 | 37,237 60 |
| Bass..... Brls. | 525 | 1,614 | 5,250 00 | 16,140 00 |
| Pike..... " | 775 | 1,148 | 7,750 00 | 11,480 00 |
| Pickrel..... " | 1,870½ | 2,272 | 18,705 00 | 22,720 00 |
| Tom Cod..... Bush. | 20,000 | 25,000 | 10,000 00 | 12,500 00 |
| Tunny..... Brls. | ? | ? | 10 00 | |
| Small and mixed Fish..... " | 6,313 | 3,752 | 3,156 50 | 1,876 00 |
| Mixed Fish..... " | 16,778 | 16,810 | 83,890 00 | 84,050 00 |
| Maskinongé..... Pieces | 767 | 880 | 1,534 00 | 1,760 00 |
| Shark..... " | 40 | | 240 00 | |
| Seal Skins..... " | 14,612 | 28,007 | 18,265 00 | 35,008 75 |
| Porpoise Skins..... " | 137 | 103 | 548 00 | 412 00 |
| Porpoise, preserved in cans..... Lbs. | 450,669 | 780,120 | 67,600 35 | 117,018 00 |
| do fresh..... " | 5,400 | | 250 00 | |
| Fish and Clams used as bait and manure. Brls. | 206,649 | 103,145 | 187,859 25 | 93,827 50 |
| Fish used for local consumption..... " | 11,554½ | 10,921 | 46,218 00 | 43,684 00 |
| Cod Tongues and Sounds..... " | 231 | 242 | 2,106 00 | 2,178 00 |
| Seal Oil..... Galls. | 73,560 | 127,848 | 36,780 00 | 63,924 00 |
| Whale Oil..... " | 13,716 | 5,690 | 6,858 00 | 2,800 00 |
| Porpoise Oil..... " | 11,188 | 19,104 | 9,950 40 | 8,083 20 |
| Cod Oil..... " | 225,129 | 212,160 | 112,564 50 | 106,080 00 |
| Total..... | | | 2,560,147 45 | 2,671,422 10 |
| Increase..... | | | | 2,560,147 45 |
| | | | | 111,274 65 |

APPENDIX No. 8.

SYNOPSIS OF FISHERY OVERSEERS' AND GUARDIANS' REPORTS IN
THE PROVINCE OF QUEBEC, FOR THE YEAR 1878.

SOUTH SHORE DIVISION FROM POINT LÉVIS TO CAPE CHATTE.

| | | |
|----------------------|---|------------|
| CLOVIS CARON, | } | Overseers. |
| JULES GAUVREAU, | | |
| HERMENEGILDE MARTIN, | | |
| L. E. GRONDIN, | | |
| VITAL CHAREST, | | |

The following comparative table exhibits the yield of the fisheries in this division :—

| | 1870. | 1871. | 1872. | 1873. | 1874. | 75. | 1876. | 1877. | 1878. |
|---------------------------------------|---------|---------|--------|--------|---------|---------|---------|---------|---------|
| Salmon (pieces)..... | 9,574 | 4,432 | 3,374 | 4,726 | 3,342 | 4,171 | 5,436 | 5,935 | 8,705 |
| Shad do | 16,249 | 25,035 | 18,410 | 18,094 | 20,583 | 85,822 | 117,927 | 33,936 | 12,361 |
| Herrings (brls)..... | 6,671 | 2,169 | 7,174 | 12,545 | 12,903 | 6,311 | 8,474 | 10,995 | 8,816 |
| Sturgeon do | 219 | 242 | 130 | 298 | 523 | 263 | 362 | 323½ | 218 |
| Sardines (brls.) | 6,688 | 1,443 | 1,658 | 868 | 900 | 930 | 1,642 | 7,410 | 4,681 |
| Cod (quintals)..... | 4,900 | 2,200 | 300 | ..... | 3,200 | 2,590 | 4,000 | 2,220 | 2,690 |
| Eels (pieces)..... | 109,125 | 109,204 | 73,353 | 96,734 | 121,442 | 125,550 | 144,726 | 158,143 | 215,502 |
| Porpoises | 208 | 115 | 6 | ..... | ..... | ..... | ..... | 11 | ..... |
| Bar-fish (doz)..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,361 | 3,511 |
| do (pieces)..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,642 | 1,560 |
| Small and mixed fish (brls.) ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3,041 |
| Seal skins (pieces) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3 |
| Seal oil (galls.)..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15 |
| Cod do ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 290 |
| Total Value...\$ | 168,830 | 48,251 | 54,087 | 78,218 | 110,899 | 82,918 | 96,704 | 124,328 | 116,806 |

This district is divided as follows :—

- 1st Division, from Rimouski to River Ouelle, under charge of Mr. Caron ;
- 2nd Division, from River Ouelle to Pointe à la Loupe (Isle Verte) to the Rimouski River, under charge of Mr. Gauvreau ;
- 3rd Division, from Point La Loupe (Isle Verte) to the River Rimouski, under charge of Mr. Martin ;
- 4th Division, from River Rimouski to River Blanche, under charge of Mr. Grondin ;

5th Division, from River Blanche to Cape Chatte, under charge of Mr. Charest; Mr. Caron reports fishing as having been better than last year, especially for salmon and eels; but although the yield was larger, the value was less, owing to a decrease in prices.

The following is a comparative statement of the yield of salmon in Overseer's Caron's Division for the past five years:—

| | | | | | |
|----------|-------------|----------|-------------|----------------|---------|
| In 1874, | 527 salmon, | weighing | 8,959 lbs.; | average weight | 17 lbs. |
| 1875, | 335 | " | " | 4,020 | " |
| 1876, | 700 | " | " | 7,000 | " |
| 1877, | 871 | " | " | 8,710 | " |
| 1878, | 1,830 | " | " | 21,960 | " |

Thus showing an increase of 959 fish over the catch of 1877.

Shad fishing is steadily falling off, which has the effect of raising the prices. Fishermen cannot ascribe any cause for the rapid decrease of that fishery.

Comparative statement of the yield of shad for the last three years;

| | |
|--------------|--------|
| In 1876..... | 50,571 |
| " 1877..... | 10,000 |
| " 1878..... | 4,590 |

No shad were caught below Berthier. This decrease in the catch caused a rise in prices. These fish sold at \$16 per hundred, whilst \$10 was the highest price heretofore paid for them.

A large increase is noticed in the eel fishery, the catch being larger than in any previous comparative statement.

| | |
|--------------|--------------|
| In 1874..... | 58,641 eels. |
| " 1875..... | 62,133 " |
| " 1876..... | 64,436 " |
| " 1877..... | 93,741 " |
| " 1878..... | 103,826 " |

Bar-fish is also on the increase; 3,511 dozen having been caught this season against 2,361 dozen in 1877. Besides this, 1,560 bar-fish, which could not, owing to their large size, be sold by the dozen, were also caught and sold separately. Their average weight was five pounds.

Mr. Gauvreau reports a slight decrease in the shad, herring and sardine fisheries. This he attributes to the strong south-westerly winds which prevailed during the migration of these fish. Eels were very abundant, and the fishery laws were well observed.

Mr. Martin states that the yield of the fisheries in his division was very satisfactory except in the lower part thereof, where fishing was not so good, owing to the inferior materials employed and want of proper care. Herring and sardines were plentier than last year.

Mr. Grondin says that the fishery laws were well observed in his district, with the exception of one case of spearing on Metis River, committed by Indians who immediately took to the woods and thus escaped being caught.

Mr. Charest reports fishing in his division as being generally good, except the herring and small fish fisheries, which yielded less than in 1877. Poachers are numerous and bold; one of them was fined, and two others condemned to a month's imprisonment for illegally catching salmon with nets.

The following is the score of salmon angling in Rimouski River for the past fourteen years:—

| | Salmon. |
|-----------|---------|
| 1865..... | 8 |
| 1866..... | 32 |
| 1867..... | 36 |
| 1868..... | 48 |
| 1869..... | 57 |
| 1870..... | 18 |
| 1871..... | 68 |
| 1872..... | 47 |
| 1873..... | 43 |
| 1874..... | 73 |
| 1875..... | 27 |
| 1876..... | 35 |
| 1877..... | 40 |
| 1878..... | 74 |

There were also caught with the fly in Metis River:—

| | |
|-----------|-----|
| 1870..... | 19 |
| 1871..... | 30 |
| 1872..... | 52 |
| 1873..... | 57 |
| 1874..... | 146 |
| 1875..... | 36 |
| 1876..... | 19 |
| 1877..... | 41 |
| 1878..... | 42 |

And in Matane River:—

| | |
|-----------|-----|
| 1874..... | 49 |
| 1875..... | 62 |
| 1876..... | 121 |
| 1877..... | 51 |
| 1878..... | 60 |

TEMISCOUTA DIVISION.

GEORGE GAGNON, } *Guardians.*
CYRILLE DUBÉ, }

The yield of fisheries in this division is estimated at 179 barrels of herrings^{sr} or 103 barrels less than last year. This falling off is not, however, attributed to a scarcity of fish, but to the smaller number of persons who were engaged in fishing.

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. |
|---|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| Codfish..... quintals. | 7,635 | 8,666 | 6,354 | 5,625 | 4,160 | 3,860 | 6,840 | 7,090 | 6,922 |
| Halibut..... barrels. | 13 | 7 | 11 | | 3 | 2 | 7 | | 3 |
| Salmon..... do | 25 | 20 | 8 | 26 | 23½ | 12 | 5 | | 13 |
| do (fish in ice)..... lbs. | | | | | | | | 1,407 | 1,248 |
| do (smoked)..... boxes. | | | | | | | | 1 | |
| Herring..... barrels. | 25 | 34 | 37 | 27 | 45 | 2 | 376 | 51 | 90 |
| Mackerel..... do | | | | | | | | 34 | 47 |
| Trout..... do | 8 | 13 | 10 | 9 | 3½ | 24 | 48½ | 54½ | 11 |
| Sardines..... do | | | | | | | | 60 | |
| Cod Tongues and Sounds..... do | | | | | | | | 2 | |
| No. of Seals and Skins..... | | | | | | | | 2 | |
| No. of Porpoises and Skins..... | | | | | | | | 1 | |
| Seal Oil..... gallons. | 145 | 122 | 787 | 440 | | | | 20 | |
| Porpoise oil..... do | | | | | | | | 60 | |
| Cod Oil..... do | 3,965 | 5,280 | 2,353 | 1,078 | 1,604 | 1,995 | 3,040 | 2,955 | 2,840 |
| Fish used as bait and manure..... barrels | | 300 | 1,300 | 260 | 1,500 | 3,000 | 12,266 | 12,770 | 187 |
| Fish used for local consumption..... do | | | | | | | | 458 | 479 |

Although the above statement exhibits a slight decrease in the yield of codfish-
ing, as compared with the catch of 1877, it was, nevertheless, better than last year;
most of the men having fished for a shorter period than usual, and caught larger
quantities of fish. Such of the boats as fished during the whole season caught from
150 to 300 quintals of codfish. On the whole, and considering the scarcity of bait,
fishermen are well pleased with the result of their season's work. Only one net was
set this year in Ste. Anne des Monts River, and 13 barrels of salmon were caught.
Salmon were plentiful in that stream as well as in the other rivers of this division,
and the breeding grounds were well frequented. In Cap Chatte River, a noticeable
improvement has occurred, the fish being one-third more numerous than ever be-
fore. The only drawback with this stream is that it is difficult to guard; a number
of Indians and white men being settled along the banks who make a practice of
spearing. Jack-lights and spears were found and destroyed, but the violators of
the law could not be found.

The number of salmon caught with the fly in Ste Anne des Monts River since
1871 is as follows:—

| Year | No. of Salmon | Average weight. |
|-----------|---------------|-----------------|
| 1871..... | 8 | ... |
| 1872..... | 13 | ... |
| 1873..... | 87 | 17½ |
| 1874..... | 140 | 19½ |
| 1875..... | 69 | 21 |
| 1876..... | 116 | 19½ |
| 1877..... | 76 | 18½ |
| 1878..... | 67 | 20½ |

Herrings appear to return to this coast. The quantity cured this season is not
very large, it is true, but a great quantity was employed as bait and it is very
desirable that these fish should again become plentiful for that purpose.

Mackerel which had failed for some years past, struck again this season in large numbers, and had fishermen been prepared with seines they could have secured an abundant harvest. About 50 barrels were caught with hooks and lines. The spring run was composed of lean fish, but in the fall they were large and fat.

Capelin, which abounded in 1877, failed this season, owing to contrary winds during the spring.

MAGDALEN RIVER DIVISION.

MAGLOIRE LAURENDEAU, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| Kinds of Fish. | 1876. | 1877. | 1878. |
|--|--------|--------|--------|
| Codfish..... quintals... | 19,887 | 20,151 | 28,453 |
| Halibut..... barrels..... | | | 41 |
| Herring..... do..... | 28 | 76 | 601 |
| Mackerel..... do..... | | 28 | 254 |
| Trout..... do..... | 4 | 6 | 4 |
| Salmon (pickled)..... do..... | 70 | 52 | 60 |
| do (fresh, in ice)..... lbs..... | | 1,000 | 268 |
| Cod Oil..... gallons..... | 19,887 | 18,534 | 14,670 |
| Fish used as bait and manure..... barrels..... | | 6,310 | 3,692 |
| do for local consumption..... do..... | | 788 | 1,664 |

Codfishing shows an increase of 8,302 quintals over last year. Mackerel was abundant, 254 barrels being cured this season, against 28 in 1877.

Herring appeared in large numbers, 601 barrels being caught. Capelin was scarce.

Salmon ascended Magdalen River in large numbers, and although the anglers killed only 35 fish, against 50 in 1877—the river seemed well stocked and this Guardian states that they were numerous on the breeding ground.

GASPÉ, MALBAIE AND PABOS DIVISIONS.

PHILIP VIBERT, JUN., *Overseer*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| Kinds of Fish. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|--|--------|---------|--------|--------|--------|---------|
| Codfish..... quintals..... | 53,041 | 46,623 | 61,691 | 60,993 | 73,537 | 59,331 |
| Herring..... barrels..... | 2,529 | 1,527 | 552 | 1,239 | 429 | 802 |
| do (smoked)..... boxes..... | | | | | | 15 |
| Mackerel..... barrels..... | 563 | 170 | | 2 | 131 | 970 |
| Salmon (pickled)..... do..... | 361 | 99 | 49 | 96 | 99 | 3 |
| do (fresh, in ice)..... lbs..... | | 118,304 | 76,717 | 72,554 | 99,482 | 200,430 |
| do (preserved, in cans)..... lbs..... | | | | | 10,000 | 23,200 |
| Haddock..... quintals..... | | | | | 186 | 223 |
| Ling..... do..... | | | | | 62 | 22 |
| Halibut..... barrels..... | | | | | | 2 |
| Trout..... do..... | | | | | 1 | |
| Cod Tongues and Sounds..... do..... | | | | | 179 | 202 |
| No of Seal Skins..... | | | | | 3 | 2 |
| Seal Oil..... gallons..... | 11,692 | | | | 40 | 2 |
| Whale Oil..... do..... | | 16,300 | 20,306 | 9,368 | 8,614 | 5,120 |
| Cod Oil..... do..... | 36,960 | 29,398 | 44,034 | 39,987 | 59,714 | 27,678 |
| Fish used as bait and manure..... barrels..... | | | | | 15,125 | 9,662 |
| do for local consumption..... do..... | | | | | 150 | 284 |
| Lobsters (preserved, in cans)..... lbs..... | | | | | 73,000 | 240,960 |

Salmon Fishing.

This fishery yielded double that of last year. Very few salmon were pickled, the whole being sold fresh or canned.

Cod Fishing.

The yield of this fishery was much below that of 1877, and did not average over 40 quintals per boat. One of the causes of this falling off was the scarcity of bait. Capelin, which is usually found in abundance on this coast, remained only a short time. Launce and squid were the principal baits used.

Mackerel Fishing.

Mackerel was abundant; about 300 barrels were caught at Sandy Beach, 170 at Peninsula, and 500 at Gaspé Basin.

Whale Fishing.

Only one vessel engaged in this fishing, capturing nine whales which yielded 5,120 gallons of oil.

Lobster Fishing.

Five large establishments were engaged in preserving lobsters, besides a small one which was in operation only for a short time near Grand River. Altogether 240,960 pounds were canned, showing an increase of 167,960 pounds over the operations of 1877.

Salmon Angling.

Salmon angling was good. In Dartmouth River, seventy-three salmon were killed with the fly, their total weight being 1,740 pounds. Anglers on St. John's River killed 67 fish. The several Guardians report the fish on the spawning beds as having been very numerous. Malbaie River is improving. Over 133 salmon were counted in the several pools during the month of October.

Three rods killed 129 salmon, weighing 2,165 pounds, in Grand River, against 92 in 1877.

In Little and in Grand Pabos Rivers, the increase is also appreciable.

Fishery Laws.

The fishery laws were well observed in this division, only two parties being fined, one for neglecting to raise his nets on Sunday and the other for setting a salmon net in contravention of the law.

PORT DANIEL DIVISION.

JOHN PHELAN, *Overseer.*

COMPARATIVE Statement of the yield of the Fisheries in this Division.

| | 1868. | 1869. | 1870. | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. | |
|---|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|
| Codfish..... | quintals.. | 8,145 | 6,967 | 6,175 | 8,970 | 7,590 | 6,175 | 4,465 | 5,245 | 7,046 | 5,555 | 7,730 |
| Salmon..... | brls. | 57 | 79 | 120 | 108 | 110 | 148 | 110 | 88 | 68 | 7 | 24 |
| do (preserved)..... | lbs. | | | | | | | | | | 41,801 | 54,758 |
| Herring..... | brls. | 515 | 370 | 695 | 1,231 | 830 | 280 | 710 | 1,020 | 1,755 | 1,090 | 1,090 |
| Mackerel..... | brls. | | | | | | | | | | 4 | 21 |
| Cod Oil..... | galls. | | | | | | | | | | 5,120 | 7,360 |
| Fish used as bait and manure..... | brls. | | | | | | | | | | 7,475 | 4,257 |
| Fish used for local consumption..... | brls. | | | | | | | | | | 1,030 | 930 |
| Lobsters (preserved in cans)..... | lbs. | | | | | | | | | | 63,365 | 100,000 |

Salmon fishing was better than usual, the fish being also of a larger size. Most of the catch was disposed of fresh at the canning establishments, and although the proprietors had made the necessary preparations, they found it very difficult to get the fish canned in time; the supply being far in excess of what they had expected. A new ice house is being put up this fall to meet increasing wants.

Cod fishing yielded more than an average catch, especially during the fall.

Lobster fishing began about the 15th of May, with good prospects, but the season did not prove so favourable as anticipated on account of easterly winds which prevailed most of the time. The catch, however, shows an increase over that of 1877, but it must be borne in mind that double the number of traps were set.

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. |
|---|--------|---------|--------|--------|--------|--------|---------|
| Codfish..... quintals | 5,580 | 5,275 | 6,740 | 4,486 | 4,111 | 4,161 | 4,111 |
| Herrings..... barrels.. | 8,990 | 2,250 | 2,080 | 1,800 | 4,160 | 1,110 | 4,790 |
| do (smoked)..... boxes..... | | | | | | 700 | |
| Mackerel..... barrels..... | 104 | 27 | 20 | 15 | | 24 | 164 |
| Haddock..... quintals | 133 | 83 | 122 | 76 | 66 | 62 | 41 |
| Salmon, (pickled)..... barrels..... | | | | | | 355 | 42 |
| do..... lbs..... | 96,800 | 116,955 | 95,824 | 24,386 | 51,225 | 7,500 | 160,230 |
| do (preserved in cans)..... do..... | | | | | | 48,804 | 62,616 |
| Ling..... quintals | | | | | | 37 | 5 |
| Trout..... barrels.. | 3 | 5 | 15 | 17 | 17 | 35 | 36 |
| Eels..... do..... | | | | | | 21 | 17 |
| Cod Tongues and Sounds..... do..... | | | | | | 12 | |
| Cod Oil..... galls..... | | | | | | 3,051 | 3,413 |
| Fish used as bait and manure..... barrels.. | | | | | | 9,343 | 6,938 |
| Fish used for local consumption do..... | | | | | | 1,716 | 2,739 |
| Lobsters..... lbs..... | | | 4,176 | 5,844 | 5,016 | 35,200 | 49,112 |

Salmon appeared earlier than usual, and no freshets occurring, ascended the rivers immediately after their arrival. The nets were set on the 16th May, and the first salmon was caught on the 17th. The catch with the same number of fishermen, exceeded that of 1877 by about 450 barrels. Angling was also very good on the Grand Cascapedia. On the Little Cascapedia, six salmon were killed, during a short stay, by Messrs. Davidson and Doran.

Forty fish were killed with the fly in the Bonaventure River.

The guardians report the Grand Cascapedia River as being perfectly alive with salmon. Little Cascapedia is also well stocked. Bonaventure River shows a noticeable increase.

The following is the score of angling during the last eight years:—

GRAND CASCAPEDIA RIVER.

| | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Number of salmon..... | 44 | 136 | 68 | 418 | 269 | 369 | 313 | 305 |
| Weight in lbs..... | 1,012 | 3,100 | 1,434 | 9,902 | 6,862 | 8,998 | 7,085 | 3,173 |
| Average weight in lbs..... | 23 | 22½ | 21½ | 23½ | 21½ | 24½ | 22½ | 16 |

LITTLE CASCAPEDIA RIVER.

| | | | | | | | |
|----------------------------|-----------------|-----|-----|-----|-----|----|-----|
| Number of salmon..... | } Not angled. { | 11 | 3 | 4 | 14 | 4 | 6 |
| Weight in lbs..... | | 194 | 57 | 120 | 210 | 84 | 200 |
| Average weight in lbs..... | | 17½ | 17½ | 22 | 15 | 21 | 28½ |

BONAVENTURE RIVER.

| | | | | | | | | |
|----------------------------|-----|-----|-----|-----|-----|-----|------|-----|
| Number of salmon..... | 60 | 30 | 22 | 15 | 26 | 45 | 21 | 40 |
| Weight in lbs..... | 770 | 487 | 366 | 225 | 290 | 622 | 331½ | 664 |
| Average weight in lbs..... | 13 | 16 | 16½ | 15 | 11½ | 14 | 16 | 16½ |

Herring fishing was better than last year. Mackerel were also more abundant. Lobster fishing was on an average at Maria, but better at Capelin. The catch shows a slight increase over that of 1877.

METAPEDIA AND RESTIGOUCHE DIVISIONS.

JOHN MOWAT, *Overseer.*

Mr. Mowat reports that the salmon fishing, in his division, is conducted under two methods:—

1st. From Belledune River to Dalhousie Harbour, the nets are set from anchors or kellocks.

2nd. From Dalhousie to Tide Head, the nets are set entirely on stakes driven into the bottom from shore and on the "Middle Grounds."

From Belledune to River Jacquet, the coast is rough, the water deep, the nets not very thick, and fishing generally poor. From Jacquet River to Black Point the nets are very close, the fresh water of the river, no doubt, inducing the fish to run inshore. From Black Point to River Charlot, fish are scarce, and although the nets are set about a mile apart, the yield does not pay working expenses. Above River Charlot, nets are set very close, and the fishing is excellent, some stations having taken as much as 15,000 lbs. of fish this season.

On the New Brunswick, or the south side of Bay des Chaleurs, more fish are caught than on the Quebec side; there being three times the number of stations.

During this season, six of the best stations caught from 15,000 to 25,000 pounds, and the catch of the others was from 900 to 5,000 pounds. The total yield was 41 barrels cured, and 93,724 pounds sold fresh.

Angling was very satisfactory. The number of fish killed is as follows:—

| | | |
|--------------------------------|-------|-------------|
| In Metapedia River | ..... | 171 salmon. |
| “ Upsalquitch “ | ..... | 2 “ |
| “ Restigouche “ Lower Division | ..... | 177 “ |
| “ “ “ Middle “ | ..... | 413 “ |
| “ “ “ Upper “ | ..... | 367 “ |

Making a total of.....1,130

against 761 killed in 1877.

From all reports, the stock of parent fish was abundant in all the rivers of this division, and especially in the upper waters, owing to the heavy freshets which occurred during the early part of August, and allowed the salmon to ascend Kedgwick River.

Signs of poachers were noticed in one instance, but the offenders could not be caught. In the lower division, six drift nets and three canoes were seized. Two of the nets and the canoes were destroyed, the guardians being unable to carry them safely, besides being of little value. Two drift nets were also taken upon the Metapedia River. Thomas Downs was caught with a net which he had set and illegally used, and a fine of \$20 was imposed. The Indians, as a rule, behaved well. A few of them spear eels, and they are allowed to catch trout with hook and line at all seasons of the year.

QUEBEC AND MONTMORENCY DIVISIONS.

L. P. HUOT, *Overseer.*

D. ROSA, *Guardian.*

The following is a comparative statement of the Fisheries in this division:—

| | 1870. | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|---------------------------|--------|--------|--------|-------|--------|-------|-------|--------|--------|
| No. of Salmon..... | 96 | 91 | 82 | 150 | 114 | 60 | 52 | 135 | 100 |
| do Shad..... | 1,057 | 1,100 | 1,550 | 1,600 | 2,250 | 1,850 | 2,450 | 1,500 | 1,000 |
| do Eels..... | 19,059 | 14,728 | 51,932 | 9,202 | 11,856 | 5,317 | 8,628 | 14,676 | 24,042 |
| do Sturgeon..... | 1,314 | 1,882 | 1,901 | 88 | 32½ | 12 | 18 | 14 | 12 |
| do doz. Bar and Whitefish | 1,902 | 2,126 | 2,074 | 447 | 712 | 294 | 338 | 192 | 591 |
| do brls. Small Fish | 271 | 759 | 412 | 66 | 92 | 40 | 51 | ..... | 92 |

The bar-fish and eel fisheries were very successful, the latter especially. The lakes around Quebec are reported as teeming with fish.

MURRAY BAY DIVISION.

J. E. DEMEULES,
 ANT. FILION,
 JOS. SIMARD,
 ETIENNE TKEMBLAY, } *Guardians.*

Mr. Demeules states that the fishery laws were well observed; not a single case of infraction being traced out.

The lakes in this division are reported as being well stocked with trout, and increasing steadily. Eel fishing was exceptionally good, especially so in the upper part of this division.

LAKE ST. JOHN DIVISION.

JOB BILODEAU, *Guardian*.

Comparative statement of the yield of the Fisheries in this Division :—

| | 1874. | 1875. | 1876. | 1877. | 1878. |
|-----------------------|-------|-------|-------|-------|-------|
| No. of Winnonish..... | 7,500 | 9,050 | 3,000 | 3,050 | 4,045 |
| do doz. of Whitefish | 1,162 | 440 | 350 | 285 | 390 |

The catch of winnonish is larger than that of last year, and the *Guardian* expresses a hope that this increase will be still further developed.

SAGUENAY DIVISION.

T. E. SAUCIER, *Overseer*.JOSEPH BOILY, *Guardian*.

Yield of salmon net-fishing for the past eight years:—

| | Salmon. |
|-----------|---------|
| 1870..... | 3,275 |
| 1871..... | 3,462 |
| 1872..... | 3,312 |
| 1873..... | 2,481 |
| 1874..... | 2,482 |
| 1875..... | 981 |
| 1876..... | 2,830 |
| 1877..... | 2,362 |
| 1878..... | 2,746 |

The following is the score of angling in the Saguenay Rivers for the past seven years:—

| | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|-------------------------|------------|------------|------------|------------|-------|------------|------------|
| River St. Marguerite, | | | | | | | |
| N.W. Branch | 112 | 125 | 133 | 77 | 25 | 159 | No returns |
| River St. Marguerite, | | | | | | | |
| N.E. Branch | 53 | 50 | 150 | 55 | 49 | 46 | 63 |
| River à Mars | 3 | 28 | 75 | 28 | 57 | 51 | 28 |
| do Anse St. Jean..... | 13 | 39 | 71 | 31 | 25 | 8 | 3 |
| do Petit Saguenay | 11 | No returns | 83 | 39 | 14 | No returns | 7 |
| do Laval | Not angl'd | do | Not angl'd | Not angl'd | 6 | Not angl'd | Not angl'd |
| do du Gouffre | do | do | do | do | do | do | 7 |
| do Murray | do | do | do | do | do | do | 8 |

During the course of the season, it was found necessary to dispense with the services of the former Overseer, Mr. Saillant, for inattention to his duties. He was replaced by Mr. Saucier, who does not appear to have done anything. This Department is indebted to Mr. Radford, who has charge of the Tadoussac fish-breeding establishment, for the usual statistics of the yield and value of the fisheries.

GODBOUT DIVISION.

GEORGE L. DUGUAY, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1876. | 1877. | 1878. |
|---|-------|-------|-------|
| Codfish.....quintals..... | | 305 | 219 |
| Herring.....barrels..... | | 4 | 4 |
| Mackerel.....do..... | | | 7 |
| Salmon (pickled).....do..... | 10 | 1 | 27 |
| do (fresh in ice).....lbs..... | | 5,754 | |
| Trout.....barrels..... | | 5½ | 9 |
| Number of Seal Skins..... | 190 | 200 | 159 |
| Seal Oil.....gallons..... | 705 | 1,000 | 2,005 |
| Cod Oil.....do..... | | 100 | 87 |
| Porpoise Oil.....gallons..... | | | 100 |
| Fish used as bait and manure.....barrels..... | | 115 | 33 |
| do for local consumption.....do..... | | 27 | 26 |

The following is the number of salmon caught with the fly in Godbout River for the past nine years:—

| | Salmon. |
|-----------|---------|
| 1870..... | 390 |
| 1871..... | 509 |
| 1872..... | 275 |
| 1873..... | 130 |
| 1874..... | 273 |
| 1875..... | 210 |
| 1876..... | 213 |
| 1877..... | 411 |
| 1878..... | 239 |

Salmon was abundant in Mistassini and Becscie Rivers, the height of water allowing the fish to ascend the falls without difficulty. The net fishermen were successful, salmon being plenty all along the shore. Codfish was abundant, but fishermen began too late to fish, and the catch was only 219 quintals, against 305 in 1877. Mackerel struck in abundantly this season, but owing to fishermen being unprepared, seven barrels only were caught. Seal fishing was good.

PENTECOST AND SEVEN ISLANDS DIVISIONS.

J. G. BELANGER, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Codfish | 960 | 1,865 | 2,150 | 1,939 | 300 | 612 | 3,307 | 3,082 |
| Herring | | 150 | | 96 | 10 | 791 | 277 | 46 |
| Mackerel | 64 | 200 | 3 | 10 | | | | 3,528 |
| Salmon (pickled) | 44 | 80 | 26 | 31 | 20 | 95 | | 112 |
| do (fresh in ice) | | | | | | | 4,037 | |
| Trout | | | | | | 18½ | 61½ | 23 |
| No. of Seal Skins | | | | | | 44 | 114 | 258 |
| Cod Oil | 430 | 1,346 | 880 | 545 | 297 | 678 | 1,342 | 1,995 |
| Seal Oil | | | 300 | | 570 | 264 | 767 | 1,548 |
| Fish used for bait and manure | | | | | | | 2,404 | 611 |
| do local consumption | | | | | | | 111 | 143 |

This division is treated at length in Dr. Lavoie's Report.

MOISIE DIVISION.

G. MATHURIN, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1869. | 1870. | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|------------------------------------|-------|-------|-------|-------|---------|--------|---------|---------|---------|---------|
| Codfish | 1,830 | 5,131 | 5,151 | 4,030 | 2,250 | 3,783 | 2,414 | 4,064 | 6,958 | 3,192 |
| Salmon (pickled) | 822 | 1,104 | 704 | 855 | 146 | 12 | 29 | 47 | 31 | 41 |
| do (fresh in ice) | | | | | 204,000 | 60,200 | 102,400 | 105,335 | 135,711 | 319,000 |
| Cod Oil | 1,563 | 2,720 | 1,985 | 3,580 | 1,949 | 1,700 | 1,500 | 3,836 | 3,892 | 2,620 |
| Halibut | | | | | | | | | 42 | 26 |
| Herring | | | | | | | | | 395 | 315 |
| Mackerel | | | | | | | | | | 214 |
| Trout | | | | | | | | | 26½ | 5 |
| Cod Tongues and Sounds | | | | | | | | | 1 | |
| No. of Seal Skins | | | | | | | | | 20 | 60 |
| Seal Oil | | | | | | | | | 47 | 335 |
| Fish used as bait and manure | | | | | | | | | 1,464 | 1,457 |
| do for local consumption | | | | | | | | | 94 | 100 |

The following is the score of angling in Moisie River for the past six years :

| | Salmon. |
|-----------|---------|
| 1873..... | 281 |
| 1874..... | 256 |
| 1875..... | 97 |
| 1876..... | 68 |
| 1877..... | 107 |
| 1878..... | 154 |

MINGAN DIVISION.

DONALD B. MCGIE, *Overseer.*

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1870. | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Codfish..... quintals. | 22,785 | 50,317 | 40,361 | 30,600 | 16,790 | 17,283 | 23,160 | 28,339 | 32,003 |
| Herring..... barrels. | 3,057 | 3,431 | 4,600 | 4,579 | 5,710 | 6,240 | 1,463 | 3,992 | 892 |
| Salmon (pickled)..... do ... | 727 | 426 | 364 | 217 | 16 | 196 | 320 | 398 | 551 |
| do (fresh in ice)..... lbs. | | | | 59,489 | 55,876 | 3,910 | | | |
| No. of Seal Skins..... | | 5,600 | 4,242 | 3,987 | 5,520 | 5,002 | 1,395 | 2,971 | 11,090 |
| Cod Oil..... gallons. | 22,006 | 24,252 | 7,128 | 9,247 | 13,995 | 21,341 | 20,621 | 23,515 | 20,704 |
| Seal Oil..... do ... | | 34,702 | 28,390 | 12,570 | 22,710 | 21,878 | 6,467 | 12,273 | 44,235 |
| Whale Oil..... do ... | | | | | | | | 2,262 | 3 |
| Haddock..... quintals | | | | | | | | 5 | 32 |
| Halibut..... barrels. | | | | | | | | 20 | 7 |
| Trout..... do ... | | | | | | | | 15 | 33 |
| Cod Tongues and Sounds do ... | | | | | | | | 3 | 3 |
| No. of Porpoise Skins..... | | | | | | | | 11 | |
| Porpoise Oil..... gallons. | | | | | | | | 35 | |
| Fish used as bait and manure. brls. | | | | | | | | 13,139 | 9,710 |
| do for local consumption..... barrels | | | | | | | | 350 | 600 |

Details of the fisheries of this division will be found in Dr. Lavoie's Report.

NATASHQUAN DIVISION.

J. B. COUILLARD, *Guardian.*

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|---|--------|-------|---------|--------|--------|-------|-----------------|--------|
| Codfish..... qncls.. | 4,766 | 5,794 | 3,657 | 3,615 | 1,250 | 4,340 | 4,004 | 2,870 |
| Herring..... brls.. | 114 | 654 | 403 | 420 | 125 | 203 | 821 | 56 |
| Salmon, pickled..... do ... | 298 | 605 | 150 | 404 | 398 | 400 | 504 | 476 |
| do preserved..... lbs. | | | 113,727 | 50,000 | 90,000 | | | |
| do fresh on ice)..... do ... | | | | | | | 245 | |
| Mackerel..... brls. | | | | | | | 7 | 69 |
| Trout..... do ... | | | | | | | 6 $\frac{1}{2}$ | 8 |
| Tunny..... do ... | | | | | | | 2 | |
| Cod Tongues & Sounds. do ... | | | | | | | 2 | 2 |
| Number of Seal Skins..... | | | 1,085 | 1,213 | 1,330 | 122 | 421 | 4,983 |
| Cod Oil..... galls.. | 2,118 | 1,674 | 1,781 | 2,494 | 1,800 | 3,876 | 2,991 | 1,042 |
| Seal Oil..... do ... | 18,030 | 3,891 | 2,380 | 2,947 | 6,820 | 450 | 1,083 | 17,792 |
| Fish used as bait and manure. brls. | | | | | | | 513 | 289 |
| Fish used for local consumption..... do ... | | | | | | | 47 | 29 |

WASHEECOOTAI DIVISION.

W. M. McLEOD, *Overseer.*

This division comprised of the Rivers Kegashca, Musquaro, Washeecootai and Romaine or Olomanosheeboo was, last season, placed under Mr. McLeod's charge.

The yield of the fisheries was as follows:—

| | |
|----------------------|---------------|
| Codfish..... | 465 quintals. |
| Salmon, pickled..... | 80 barrels. |
| Seal skins..... | 142 pieces. |
| Cod oil..... | 260 gallons. |
| Seal oil..... | 435 do. |

For further details, see Dr. Lavoie's Report.

WATSHESHOO DIVISION.

P. C. GOBEIL, *Guardian.*

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|--|-------|-------|-------|-------|-------|-------|-------|
| Codfish..... quintals..... | | 380 | 560 | 110 | 865 | 389 | 318 |
| Salmon..... barrels..... | 29 | 52 | 33 | 25 | 30 | 45 | 22 |
| do fresh in ice..... lbs..... | | | | | | 28 | |
| Trout..... barrels..... | | 4 | 2 | 2 | 2 | 2 | 2 |
| Numbers of Seal Skins..... | | 809 | 967 | 519 | 840 | 163 | 764 |
| Herring..... barrels..... | | 1 | 329 | | | 260 | 3 |
| Mackerel..... do..... | | | | | | | 3 |
| Halibut..... do..... | | | | | | | 1 |
| Seal Oil..... gallons..... | | | | | | 284 | 3,041 |
| Cod Oil..... do..... | | | | | | 245 | 158 |
| Fish used as bait and manure..... barrels..... | | | | | | 21 | 1,393 |
| Fish used for local consumption do..... | | | | | | 10½ | 49 |

Details in Dr. Lavoie's Report.

PACACHOO DIVISION.

J. LEGOUVÉ, *Guardian.*

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|---|-------|-------|-------|-------|-------|--------|
| Codfish..... quintals..... | 2,655 | 3,760 | 844 | 1,560 | 1,969 | 2,375 |
| Halbut..... barrels..... | 200 | | | 426 | | |
| Salmon..... do..... | 180 | 955 | 206 | 485 | 353 | 504 |
| Trout..... do..... | 8 | 2 | 37 | 35 | 22 | |
| Number of Seal Skins..... | 1,144 | 248 | 173 | 310 | 779 | 2,074 |
| Cod Oil..... gallons..... | 1,574 | 2,954 | 590 | 1,127 | 1,901 | 1,822 |
| Seal Oil..... do..... | 9,526 | 1,745 | 1,238 | 751 | 4,306 | 10,568 |
| Whale Oil..... do..... | 400 | | | | | |
| Herring..... barrels..... | | | 2,301 | 426 | 49 | 118 |
| Mackerel..... do..... | | | | | 169½ | 195 |
| Fish used as bait and manure..... do..... | | | | | 2,388 | 478 |
| do for local consumption..... do..... | | | | | 32 | 17 |

Details in Dr. Lavoie's Report.

BONNE ESPERANCE DIVISION.

W. H. WHITELY, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|------------------------------------|-------|-------|-------|--------|---------|---------|
| Codfish | 4,960 | 7,710 | 5,062 | 61,800 | 85,975 | 116,005 |
| Salmon | 172 | 136 | 118 | 312 | 201 | 266 |
| Trout | | | | | | 21 |
| Herring | 250 | | | | 240 | |
| Mackerel | | | | | 12 | |
| No. of Seal Skins | | | | 3,027 | 3,230 | 605 |
| Cod Oil | 6,170 | 5,060 | 4,357 | 8,085 | 85,975 | 12,005 |
| Seal Oil | 1,160 | 2,630 | 5,660 | 20,700 | 22,060 | 3,800 |
| Whale Oil | | | 1,500 | | | |
| Fish used as bait and manure | | | | | 105,050 | 47,340 |
| do for local consumption | | | | | 4,500 | 2,580 |
| Lobsters, fresh | | | | | 5,000 | |

Details of the fisheries of this division are given in Dr. Lavoie's report.

MAGDALEN ISLANDS DIVISION.

J. J. FOX, *Overseer*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|------------------------------------|--------|--------|--------|--------|---------|---------|---------|
| Codfish | 20,032 | 17,048 | 13,840 | 13,035 | 10,957 | 11,179 | 16,051 |
| Herring | 2,956 | 4,847 | 12,137 | 49,951 | 77,443 | 38,231 | 5,361 |
| Mackerel | 1,172 | 5,494 | 6,569 | 6,448 | 4,969 | 4,912 | 3,012 |
| Seal Skins | 1,713 | 5,590 | 4,555 | 16,447 | 3,529 | 4,838 | 6,039 |
| Cod Oil | 9,306 | 6,050 | 7,395 | 8,527 | 4,630 | 10,705 | 7,315 |
| Seal Oil | 8,040 | 19,685 | 21,915 | 63,024 | 17,730 | 15,799 | 27,178 |
| Whale Oil | 2,162 | | | 975 | | | 480 |
| Lobsters | | | | | 124,000 | 277,104 | 390,048 |
| Mackerel, preserved | | | | | | 960 | 5,136 |
| Fish used as bait and manure | | | | | | 1,923 | 1,844 |
| do for local consumption | | | | | | 1,767 | 4,708 |

Details on the fisheries of Magdalen Islands are given in Dr. Lavoie's report being compiled from information and statistics supplied by the fishery overseer, Mr. Fox.

ANTICOSTI DIVISION.

A. MALOUIN,
THOMAS GAGNÉ, } *Guardians.*

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

| | 1876. | 1877. | 1878. |
|-----------------------------------|-------|--------|--------|
| Codfish..... | 6,806 | 8,303 | 6,922 |
| Herring..... | 4,410 | 16,214 | 17,003 |
| Mackerel..... | | 18 | 67 |
| Halibut..... | 94 | 16. | 122 |
| Salmon, pickled..... | 72 | 75½ | 97 |
| Trout..... | 14 | 14 | 9 |
| Eel..... | 1 | 2 | |
| Cod Tongues and Sounds..... | 8 | 35 | 8 |
| Seal Skins..... | 145 | 356 | 288 |
| Seal Oil..... | 318 | 811 | 894 |
| Whale Oil..... | 250 | 2,840 | |
| Cod Oil..... | 5,081 | 4,935 | 3,249 |
| Fish used as bait and manure..... | | 3,636 | 2,632 |
| do for local consumption..... | | 469 | 1,780 |

Details of the fisheries of this division are given in Dr. Lavoie's report.

ST. FRANCIS DIVISION.

W. C. WILLIS, *Overseer.*

A. H. N. BRUCE,
G. G. GAGNON, } *Guardians.*

Mr. Willis reports that fishing in his division does not seem to have been so good as in previous years, although during the early part of the season there was every promise of a good yield. In Magog River, anglers for trout did not succeed as well as might have been expected. The trout fry deposited in this stream during the spring of 1877, have nevertheless, been noticed in large numbers late in the fall at the mouths of several creeks. The run of salmon was remarkably good, high water at the proper time affording the fish a fine opportunity to go up. The number of salmon which cleared Scottstown dam was much larger than usual, and the fish were generally of a larger breed. No salmon licenses were granted this year. Three nets were seized and confiscated for violation of the fishery laws; one in Brompton, and two in Massawippi Lake. During the month of July large numbers of dead pickerel were noticed floating along the shores of the St. Francis River, presumed to have been poisoned by feeding on the potato bugs destroyed with Paris Green.

Mr. Bruce states that the several kinds of fish in his division were plentiful and poaching on the decrease.

LAKE MEMPHREMAGOG DIVISION.

S. F. COPP, *Overseer.*

Fish were plentiful in Lake Memphremagon this season, but, owing to the low prices, and the want of a market, no more than half the usual quantity was caught. The total yield may be estimated at:—

| | |
|---------------------------|-------------|
| Lunge or Lake Trout..... | 20 Barrels. |
| Fresh Water Herrings..... | 150 " |
| Pickerel..... | 100 " |

The same system of protection which was of late years extended to the waters of Lake Memphremagog, was again enforced this season, with complete success. No illegal fishing of any kind was carried on, and no violations of the close season occurred, thanks to the attention and energy displayed by the local Fishery Overseer and the special constables acting under his order.

MISSIQUOI BAY DIVISION.

P. E. LUKE, *Overseer.*

COMPARATIVE STATEMENT of the Yield of the Fisheries in this Division:—

| | 1876. | 1877 | 1878. |
|------------------------------------|------------|------------|------------|
| Value of fishing boats and nets... | \$778 00 | \$412 00 | \$ 530 00 |
| “ Shad..... | 267 00 | 256 00 | 366 20 |
| “ Pickerel..... | 450 00 | 960 00 | 1,670 00 |
| “ Mixed fish..... | 60 00 | 250 00 | 270 00 |
| | \$1,555 00 | \$1,778 00 | \$2,836 20 |

IBERVILLE DIVISION.

J. B. CHEVALIER, *Overseer.*

COMPARATIVE STATEMENT of the Yield of the Fisheries in this Division:—

| | 1877. | 1878. |
|-----------------------------|--------|--------|
| No. of Eels..... | 41,135 | 46,355 |
| “ Barrels of Sturgeons..... | 32 | 16 |
| “ “ Pickerel..... | 841 | 915 |
| “ “ Bass..... | 1,308 | 1,474 |
| “ “ Mixed fish..... | 477 | 560 |

This Overseer seized and confiscated four nets, and one hoop net, for being set without license.

CHAMBLY DIVISION.

H. W. AUSTIN, *Overseer.*

This Overseer states that the season proved most satisfactory to fishermen. From early March to the 12th of December, they were enabled to ply their trade with very profitable results. The absence of violations of the fishery laws is also a most gratifying feature. Pickerel seem to be on the increase; bass are diminishing. Large numbers of eels were seen during the season lying dead on the shores, or at the bottom of the stream. The cause of this disease is not apparent; presumably they were poisoned by feeding on potato bugs.

BERTHIER AND SOREL DIVISIONS.

PIERRE LATRAVERSE, } *Guardians.*
OLIVER LAFLECHE, }

The license system already enforced in the county of Richelieu, was this season extended to the counties of Berthier and Yamaska, with success. A new Guardian, M. Lafleche, was appointed for the north shore of the St. Lawrence, fronting on the County of Berthier. Forty-eight licenses were issued. Fishing was good and the law was generally complied with.

HUNTINGDON AND CHATEAGUAY DIVISIONS.

WM. CLYDE,
ANDREW WATT, } *Overseers,*
J. D. McMILLAN, }

Fish are reported as being on the increase in the waters of this division, except at Chateauguay, where Mr. Watt complains of their becoming scarce. This he attributes to seining and over fishing.

LAKE OF TWO MOUNTAINS DIVISION.

E. CHAURETTE, *Overseer.*

The illegal netting and fishing so loudly complained of by the public in the neighborhood of Montreal, compelled this Department to despatch special fishery constables on the spot. After great difficulties and resistance, they succeeded in seizing a seine which was afterwards rescued. The parties implicated in this illegal fishing were subsequently brought before the Police Magistrate at Montreal, and one of them, Paul Vardon, was fined \$30 and costs, and his associate, John Stalker, \$10, and costs. This energetic action appears to have put a stop to illegal netting. Parties have since been allowed to fish at proper times under licenses.

Mr. Chaurette was appointed Fishery Overseer at St. G nevi ve, on the River des Prairies, but he never did anything and subsequently resigned.

ARGENTEUIL DIVISION.

ALEXANDER BEATON,
DUNCAN DEWAR, } *Overseers.*
THOMAS EVANS, }

The inland waters of this Division require constant attention in order to prevent poaching which was so prevalent in previous years. The officers here appear to perform their duties with energy. The stocking of North River with salmon was continued; 10,000 fry being deposited in that stream last spring.

TERREBONE DIVISION.

L. J. LORANGER, *Overseer.*

No violations of the fishery laws are reported.

OTTAWA COUNTY DIVISION.

Everything worked in a very satisfactory manner in this Division. Efficient special guardians were located during the close seasons at the most central places. Fishermen now comply with the law. They appreciate the benefit to be derived from a wise system of protection. Two hundred and twenty-four licenses were issued during the season. The catch of fish in the large inland lakes was very successful; over 200,000 pounds of trout, bass, pickerel, pike, &c., &c., being sent to the Ottawa and Montreal markets. In the Ottawa River the yield of fish proved remunerative.

APPENDIX No. 9.

SCHEDULE of Salmon Angling in the Leased Rivers of the Provinces of Quebec and New Brunswick during the Season of 1878.

| Names of Rivers. | No. of Salmon. | Total Weight. | Average Weight. | Weight of the Largest Fish. | Weight of the Smallest Fish. | Remarks. |
|-----------------------------------|----------------|-------------------|-------------------|-----------------------------|------------------------------|--|
| | | | | | | |
| Du Gouffre..... | 7 | 105 | 15 | ..... | ..... | ..... |
| Murray..... | 8 | 175 | 17 $\frac{1}{2}$ | ..... | ..... | ..... |
| Ste. Marguerite, N.E. Branch... | 6 | 1,021 | 16 $\frac{1}{2}$ | 33 | 9 | 3 Grilse and 2 Winnonish. |
| do N.W. do ..... | ..... | ..... | ..... | ..... | ..... | No returns, |
| A Mars..... | 28 | 366 | 13 $\frac{1}{6}$ | 26 | 8 | 1 Grilse. |
| Little Saguenay | 7 | 105 | 15 | 25 | 10 | Anglers arrived too late. |
| Anse St. Jean..... | 3 | 38 | 12 $\frac{3}{4}$ | ..... | ..... | ..... |
| Sault au Cochon..... | ..... | ..... | ..... | ..... | ..... | Not angled. |
| Laval..... | ..... | ..... | ..... | ..... | ..... | do |
| Godbout..... | 239 | 2,811 | 11 $\frac{1}{2}$ | 26 | 7 | Water low; no fishing in lower pool. |
| Romaine..... | ..... | ..... | ..... | ..... | ..... | Not angled. |
| Mingan..... | 17 | 239 $\frac{1}{2}$ | 14 $\frac{1}{2}$ | 31 | 8 $\frac{1}{2}$ | Angled only during four days. |
| Mistassini..... | 1 | 5 | ..... | ..... | ..... | Only partially angled. |
| Besocie..... | 3 | 38 | 12 $\frac{3}{4}$ | 18 | 10 | do |
| Manitou..... | ..... | ..... | ..... | ..... | ..... | Not angled. |
| Moisie..... | 154 | 3,396 | 22 $\frac{1}{19}$ | 39 | 7 | ..... |
| Kegashka..... | 6 | 90 | 15 | ..... | ..... | Angled only during a couple of days. |
| St. John..... | ..... | ..... | ..... | ..... | ..... | Not angled. |
| Natashquan..... | ..... | ..... | ..... | ..... | ..... | do |
| Watsheeshoo ..... | ..... | ..... | ..... | ..... | ..... | do |
| Washeecootai..... | ..... | ..... | ..... | ..... | ..... | do |
| Rimouski..... | 74 | 1,200 | 18 | 30 | 10 | ..... |
| Metis..... | 42 | 937 | 22 $\frac{1}{2}$ | 44 | 12 | ..... |
| Matane..... | 60 | 600 | 10 | ..... | ..... | ..... |
| Little S.W. Bic..... | 23 | 149 | 6 $\frac{1}{2}$ | 12 | 3 $\frac{1}{2}$ | ..... |
| St. Anne des Monts..... | 62 | 1,248 | 20 $\frac{1}{2}$ | 39 | 9 | ..... |
| Magdalen..... | 18 | 268 | 14 $\frac{1}{8}$ | 31 | 7 | ..... |
| York..... | 97 | 2,149 | 22 $\frac{1}{8}$ | 35 $\frac{1}{2}$ | 9 | ..... |
| St. John..... | 67 | 817 | 12 $\frac{1}{2}$ | ..... | ..... | ..... |
| Dartmouth..... | 73 | 1,740 | 23 | ..... | ..... | ..... |
| Grand..... | 129 | 2,165 | 16 $\frac{3}{4}$ | 32 | 7 | ..... |
| Grand Pabos..... | 18 | 189 | 10 $\frac{1}{2}$ | 17 | 6 | ..... |
| Little Pabos..... | ..... | ..... | ..... | ..... | ..... | Not angled. |
| Bonaventure..... | 40 | 664 | 16 $\frac{3}{4}$ | 28 | ..... | ..... |
| Little Cascapedia..... | 7 | 200 | 28 $\frac{3}{4}$ | ..... | ..... | ..... |
| Grand do..... | 305 | 3,173 | 16 | 50 | ..... | One salmon, 56 $\frac{1}{2}$ lbs., killed. |
| Matapedia..... | 171 | 3,952 | 23 | 41 | ..... | ..... |
| Upsalquitch..... | 2 | 17 | 8 $\frac{1}{2}$ | ..... | ..... | ..... |
| Restigouche, Lower Division | 177 | 2,887 | 22 | 16 | ..... | Only angled one day. |
| do Middle do | 413 | 9,402 | 22 $\frac{1}{2}$ | 40 | ..... | ..... |
| do Upper do | 367 | 5,928 | 16 $\frac{1}{4}$ | 32 | ..... | ..... |
| Jacquet..... | 12 | 120 | 10 | ..... | ..... | ..... |
| S.W. Miramichi..... | 13 | 138 | 10 $\frac{5}{13}$ | 12 $\frac{1}{2}$ | 7 | ..... |
| Nepissiguit..... | ..... | ..... | ..... | ..... | ..... | No returns. |
| do (Rough Waters)..... | 45 | 630 | ..... | ..... | ..... | ..... |
| Total..... | 2,684 | 46,962 | 17 $\frac{1}{2}$ | 50 | 3 $\frac{1}{2}$ | ..... |

APPENDIX No. 10.

REPORT OF W. H. WYLDE, ESQ., INSPECTOR OF FISHERIES FOR THE PROVINCE OF NOVA SCOTIA, FOR THE YEAR 1878.

PORT MULGRAVE, 31st December, 1878.

To the Hon. JAMES C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour to transmit my third annual report of the yield and value of the fisheries of Nova Scotia for the year 1878, amounting to \$6,131,599.64, showing an increase of \$603,741.27 over last year. This is a pleasing fact to note, when we have had to contend with a very depressed market for the past season, for the most of these staples, which I hope may assist many engaged in the fisheries to still prosecute that business another year.

Enclosed you will find tables showing the increase and decrease of amounts from the several counties for the years 1877 and 1878 compared; and also a statement of the number of licensed fish-traps with the approximate quantities of fish taken in the year 1878.

The catch of mackerel in Yarmouth and Shelburne counties has been upon the whole, I think, profitable for those engaged in the trap-net fishing, and although the size of the mackerel taken has been something smaller than in former years, yet by having the means of quick transit and packing them in ice, they have been able to obtain a good price for the most of them, and there has been a good demand for the balance by vessels engaged in the bank fishing.

The lobster fishing shows an increase over last year of 592,066 cans; this is becoming a large business in the Province, but in too many places the labelers at the packing establishments do not give this Province the credit, for they use labels from Portland and Boston and other ports of the United States on the cans and boxes put up in this Province.

In the county of Shelburne the total value has increased \$213,880.50 over last year; cod has increased 28,872 quintals; herrings, 8,793 brls.; and lobsters, 242,024 cans.

It is very difficult to come at the exact amount of fish consumed in this Province, but in as far as can be ascertained by the returns, and comparing them, they will average about 10 per cent of the whole amount.

I will forward copies of the reports received from the Overseers of the several counties, which will show the opinions of some, the suggestions of others, and the complaints of a few, all of which I hope may be beneficial for the general improvement of the fishery laws and regulations.

The decrease in the fisheries are from salmon fresh in ice, mackerel in cans, smoked herrings, haddock, smelt and fish oil. The catch of other kinds of fish have all increased, and some largely.

The catch of small mackerel taken in Guysboro' county have been valued at \$3 per barrel.

Hake sounds are becoming quite a valuable article of export, and I fear they have been left out of many of the returns on account of not having a column for such an article, and I recommend that new blanks be struck off, with the addition of hake sounds and a few more articles of the fishery that are now becoming valuable for exportation.

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

WM. H. WYLDE,
Inspector of Fisheries for Nova Scotia.

TABLE showing the actual increase of the several productions of the Fisheries in the Province of Nova Scotia over the Year 1877.

| Articles.. | | Increase. | Decrease. |
|--------------------------|----------|-----------|-----------|
| Salmon..... | barrels. | 157 | |
| do | in ice | | 70,575 |
| do | smoked. | 8,970 | |
| do | in cans. | 5,965 | |
| Mackerel..... | barrels. | 16,060 | |
| do | cans. | | 54,161 |
| Herrings..... | barrels. | 17,121 | |
| do | boxes. | | 21,615 |
| Alewives..... | barrels. | 305 | |
| Cod..... | cwt. | 57,912 | |
| Tongues and Sounds | barrels. | 17 | |
| Pollock..... | cwt. | 7,697 | |
| Hake | do | 8,831 | |
| Haddock..... | do | | 17,768 |
| Halibut..... | lbs. | 24,806 | |
| Shad..... | barrels. | 2,709 | |
| Bass | lbs. | 6,725 | |
| Trout..... | do | 975 | |
| Smelt..... | do | | 25,147 |
| Eels..... | barrels. | 519 | |
| Oysters..... | do | | 62 |
| Lobsters | cans. | 592,066 | |
| Fish Oil..... | gallons. | | 7,186 |
| Fish Guano | tons. | 309 | |
| Fish Manure | barrels. | 326 | |

COMPARATIVE STATEMENT of Value of the Fisheries in each County of the Province of Nova Scotia, for the Years 1877 and 1878.

| Counties. | 1877. | | 1878. | | Increase. | | Decrease. | |
|------------------|-----------|------|-----------|------|-----------|--------------------------|-----------|------------|
| | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. |
| Annapolis..... | 78,053 | 50 | 58,939 | 25 | | | | 19,114 25 |
| Antigonish..... | 63,129 | 00 | 63,464 | 40 | | 335 40 | | |
| Cumberland..... | 60,614 | 75 | 40,483 | 75 | | | | 20,131 00 |
| Colchester..... | 30,770 | 50 | 52,596 | 65 | | 21,826 15 | | |
| Cape Breton..... | 191,127 | 80 | 240,179 | 65 | | 49,051 85 | | |
| Digby..... | 282,704 | 90 | 421,905 | 60 | | 139,200 70 | | |
| Guysborough..... | 474,011 | 55 | 464,094 | 74 | | | | 9,916 81 |
| Halifax..... | 818,943 | 10 | 966,955 | 70 | | 147,012 60 | | |
| Hants..... | 5,626 | 20 | 8,701 | 25 | | 3,075 05 | | |
| Inverness..... | 358,906 | 72 | 395,971 | 27 | | 37,064 55 | | |
| Kings..... | 65,075 | 50 | 89,494 | 75 | | 24,419 25 | | |
| Lunenburg..... | 952,860 | 00 | 961,096 | 60 | | 8,236 60 | | |
| Pictou..... | 23,643 | 10 | 23,952 | 95 | | 309 85 | | |
| Queens..... | 228,993 | 80 | 312,558 | 78 | | 83,564 98 | | |
| Richmond..... | 545,863 | 75 | 360,816 | 80 | | | | 185,046 95 |
| Shelburne..... | 649,376 | 85 | 863,257 | 35 | | 213,880 50 | | |
| Victoria..... | 158,861 | 85 | 133,034 | 50 | | | | 25,827 35 |
| Yarmouth..... | 538,295 | 50 | 674,095 | 65 | | 135,800 15 | | |
| Total..... | 5,527,858 | 37 | 6,131,599 | 64 | | 863,777 63 260,036 36 | | 260,036 36 |
| Increase..... | | | | | | 603,741 27 | | |

STATEMENT of the Number of Licensed Fish-Traps with the Approximate Quantities of Fish taken, for the Year 1878.

| No. of Traps. | Counties. | Fees. | Value of Traps. | Barrels of Mackerel. | Barrels of Herring. | Barrels of Alewives. | Cwt. of Pollock |
|---------------|------------------|-------|-----------------|----------------------|---------------------|----------------------|-----------------|
| | | \$ | \$ | | | | |
| 30 | Yarmouth..... | 1,200 | 58,000 | 9,769 | 890 | | |
| 23 | Shelburne..... | 920 | 38,750 | 7,327 | 768 | | |
| 5 | Queens..... | 200 | 8,800 | 5,360 | 4,764 | | |
| 1 | Digby..... | 40 | 1,000 | 80 | | | 83 |
| 1 | Lunenburg..... | 40 | 1,200 | 2,200 | 3,620 | | |
| 4 | Guysborough..... | 160 | 7,600 | 1,100 | 660 | 150 | |
| 2 | Victoria..... | 80 | 3,260 | 500 | | | |
| 68 | | 2,640 | 118,610 | 26,336 | 10,602 | 150 | 83 |

APPENDIX No. II.

REPORT OF W. H. ROGERS, ESQ., FISHERY OFFICER FOR NOVA SCOTIA,
ON THE STATE AND CONDITION OF FISHWAYS IN NOVA SCOTIA
DURING THE SEASON OF 1878.AMHERST, NOVA SCOTIA,
31st December, 1878.To the Honourable J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR, —I have the honour to submit the following Report on the state of the fishways and other matters coming under my immediate supervision, as Assistant Inspector of fisheries for Nova Scotia:—

FISHWAYS.

The mode formerly adopted of allowing the local Overseers to construct fishways, has not proved a success, I am sorry to say, in too many instances. At that time I was furnished with wooden models of these structures, and was instructed to direct the local officers to have fishways put into the dams. It was not then thought necessary for me to remain to see each structure properly located and built; the consequence was that but few of them have proved effectual. In a majority of cases, these officers had ideas of their own, which they almost invariably added to the model and my directions. For instance, the Shelburne Overseer had a notion that salmon would swim through a square hole in the bottom of a dam under an eight to ten foot head of water. I could not persuade him to the contrary, and, notwithstanding the positive instructions I gave him to put the upper end of the fishway near the top of the dam, he placed it near the bottom. I did not visit that county again for two or three years, while, of course, no fish ascended, and the people interested became thoroughly prejudiced against the wooden fishway. To satisfy these people and their local officer, I consented to have a brook or bye-water made around the end of the dam at Shelburne, on the Roseway River, telling them at the same time that I had not much faith in it, as in most cases we have had to abandon them and adopt the wooden fishway, which, when properly constructed, will admit the fish to pass whether the season is wet or dry, while the bye-water in a wet season would have too much force of water through it, and in a dry season there would not be sufficient water for the fish to swim in. Accordingly, when I visited the Shelburne dam, in the spring of 1877, about the close of the fishery season, I found the people a good deal excited over what they considered the destruction of their fishery, on account of the inefficiency of the fish-pass, constructed by the local officer, and in accordance with their own ideas. These people, however, like those on the Gaspereau River, in Kings County, did not know that the fish had fallen off everywhere that year, whether there were mill-dams to cause it or not. They were determined to have one-third of the dam taken out, but this of course could not be done legally, and I refused to comply with their unreasonable wishes, but set about building a wooden fishway, which I succeeded in doing amid sundry threats to tear it down as fast as I built it, a deputation of a dozen or so of citizens coming to the dam for the purpose of preventing your officer from discharging his legal duty. The fishway was however built, in due course, and the fish ascended easily, amid the cheers of several lookers-on. This state of things was continued during my stay of two days.

I am decidedly of the opinion that there should be an officer in your Department charged with this business alone, to devote his whole time to the removal of artificial, as well as natural, obstructions to the ascent of fish in our rivers, for there

are in addition to mill dams and natural falls on the larger streams, numberless small streams and outlets from lakes around the shores of this Province, which require openings for the more ready ascent of alwives, smelts, trout, &c., as was done at Ketch Harbour in Halifax County to great profit, a few years ago. The coast fisheries of this Province can be increased almost indefinitely by a proper attention to this, which is a vital part of our whole business; the outlet of many of our small streams are literally closed up with stones, and beaches as is the case with the mouth of the Nine Mile River near Margaret's Bay. A few hundred dollars spent in this service each year in the removal of such obstacles would tell immensely to the advantage of our whole fishery, and the more so as most of our large fish crop is taken in open boats, around our own shores, within the three mile limit.

CUMBERLAND COUNTY.

The new dam built at Oxford last year does not require any fishway, as it is constructed so that the fish can swim over it, the head of water being but about four feet, and the dam so constructed that the water has the form and appearance of passing over a ledge of rocks, rather than a mill dam.

A new fishway was put in Mr. Thompson's dam next above. The next one owned by Mr. Bent, is so low that it does not require a fishway; we have not been anxious, heretofore, to get the fish up the river, as we required all we could catch at Oxford, below the dam, for the Bedford Hatching House.

A new fishway was put in Kerr's dam on Wallace River, as also one on Howard's dam next above. These are two heavy dams, and the new fishways are good; there can be no difficulty for fish of any kind to ascend them.

The fish do not appear to frequent the side of the river where the fishway is located at River Herbert mill dam. The structure is a good one, but another will have to be added on the opposite side of the river, before the fish will ascend properly. I was not present when it was built or I think I should have located it properly in the first instance. It is a most important part of the business to ascertain on which side of the river the fish usually travel in their ascent; this is particularly true of alewives. There are several other fishways to be built in this county next summer.

COLCHESTER COUNTY.

Seven new fishways were built in this county during the present season. Salmon were more plentiful on Waugh's River this fall, than for many years, and fully as abundant above the dam as below. The new fishway, Warden Urquhart says, works well, as they always will when properly built and located. There will be four or five more needed in this county next summer.

HANTS COUNTY.

The fishways in this county will require to be rebuilt next summer; the old ones being out of repair and inefficient.

KINGS COUNTY.

The principal fishway in this county is that on the dam at White Rock Mills, and no better one can be found in the Dominion.

ANNAPOLIS COUNTY.

The fishways in this county are all out of repair, and will require to be rebuilt. Annapolis River being an important stream, must be attended to next summer. The difficulty in finding the proper owner of the Morton dam prevented anything being done during the past season; Morton's being the lower milldam on the river, it is useless to attend to those above until a passage is made through that one.

LUNENBURG COUNTY.

The fishways on Labave River are all out of repair. A few hours work would have been sufficient to set them in order; yet nothing was done till I got

there, although the fishing season was nearly over. The local officers did not even ask the mill-owners to repair them. Sometimes the fishway was filled with stones by the Indians to prevent the fish from ascending, so that they could be the more easily caught below, and at other times I found a net set right across the lower end of the fishway, so that no fish could possibly get into it, and this in daylight, while the Warden lives but half-a-mile from the dam. I had them repaired, and I am informed that several salmon have been seen above the two lower dams this fall. It is useless to build good fishways if the local officers will not see that they are kept in order during the proper season, and poachers are kept away from them. Fish will not enter a fishway while they are continually chased by poachers.

There are several new fishways required in this county which will need attention next summer.

QUEENS COUNTY.

The fishways on the dams at Milton, on the Mersey, are good, but the river being wide, additional accommodation by adding more ladders is much needed, particularly for alewives. Salmon have largely increased on this stream during the past few years, and many salmon smolts have been seen above the dams each year.

There are three or four public fishing berths in the Liverpool Harbour which ought to be sold at public tender, as the fishery officers have much difficulty in settling disputes among rival claimants, and often serious quarreling cannot be prevented.

SHELBURNE COUNTY.

The state of matters on Roseway River is pretty fully discussed in the former part of this Report. The fishways on Clyde and Gordon rivers are out of order and will have to be put right next summer, if the people of those districts will condescend to allow your Department to have anything to do with their affairs. At Shelburne they take the law into their own hands, and many do so in other parts of the county, as such procedure unpunished becomes very contagious.

YARMOUTH AND DIGBY COUNTIES.

These two counties were not visited during the past year, and I cannot say from personal knowledge how the fishways are there. I built two in the former county three years ago, which ought to give satisfaction. I think there are one or two new ones needed on Salmon River in Digby county.

MALIFAX COUNTY.

I did not visit the fishways on Ingraham and Indian Rivers at Margaret's Bay, but hear no complaint. Mr. Todd, the owner of the dams, informs me that he keeps them all in order. A new one was built on Nine Miles River last summer while the alewives were running, which worked well, many fish having ascended it while I was there. This fact was also witnessed by several parties at the time.

I have not visited East Halifax during the past year, but Mr. A. B. Wilmot informs me that the fishway on the Musquodoboit dam works well; he and Overseer Anderson caught several hundred fine salmon at the head of it, as they entered the mill pond, in a few days, both in 1877 and 1878, and that they took \$5 in one afternoon. As I have not seen the reports of the local overseers this year, I do not know what Mr. Anderson has to say on those further east in his district. Mr. Wyld will probably furnish some information on that matter in his report.

PICTOU COUNTY.

Fishways were built on the two lower dams on River John two years ago, but it is a most difficult river in which to locate good fishways, the banks being high and rocky. The river is also subject to heavy ice freshets in the winter and spring, and carries everything before it; not absolutely a part of the dam. The fishways were built so as to avoid this if possible, and as the fish are very scarce in that river I am not prepared to assert that the fishways are all that are necessary. The dams on

Middle and East Rivers were supplied with good fishways in 1877, which I believe are giving satisfaction. The fishway on the dam owned by Mr. Cameron at the Garden of Eden was rebuilt. There are a few fishways still required in this county.

GUYSBOROUGH COUNTY.

Good fishways were placed on McKeen's and Fisher's dams on St. Mary's River, also one on Chisholm's dam on Salmon River, in this county. These are all three built after the most approved model, and ought to admit fish of any kind without difficulty. I am quite sure they will do so.

This concludes all I have done in the improvement of fishways during the past year. My whole attention should be devoted to this branch of my duties next year.

It will require two or three years more to get the whole Province in good order in this respect, personal attention being absolutely necessary in each case, at least until the local officers get a better knowledge of the business than most of them now possess. Some of them however, are beginning to understand the business better. Much progress has doubtless been made, but there is ample room for more. Were the people to be benefitted by the labours of your Department generally possessed of a more intelligent knowledge of the benefits to be conferred upon them, their co-operation instead of their opposition would be better secured.

SAWDUST, &c.

Almost every man you meet has an idea that saw-dust kills the fish and is a great injury to the fisheries. While I would not say it does no injury, I do not believe it does a tithe of the harm generally supposed. When I ask such people how they know that sawdust destroys the fish, the answer is, "it gets into their gills and kills them."—How do you know the sawdust kills them? Did you ever see a fish dead which you had reason to suppose was killed with sawdust?—"Well no, I cannot say I have, but everybody says it kills fish." True, but if it killed fish so as to depopulate the rivers, you would see thousands of dead fish along the streams during spawning seasons. I have been about rivers all my life and have caught many thousands of fish among the sawdust as readily as in clear water. Some of the oldest sportsmen in Nova Scotia told me that they would expect to raise a salmon as readily in a river-full of sawdust as in clear water, and that they had done so in the one as often as in the other.

Medway River, in Queens County, was as much afflicted with sawdust as any stream of its size in the Dominion, for more than eight years past, still it is one of the most prolific in its production of salmon, alewives and trout. The same is true of other rivers. The notion that where mills are located at the heads of streams, the sawdust settles on the spawning beds below, is not borne out by facts, at least so far as salmon are concerned, because they spawn in running water in the rapids, and gravel bottoms, where sawdust never lodges. I have carefully examined many rivers in relation to this matter, and found no sawdust where salmon would spawn. Where there are lakes below mills, sawdust will, of course, lodge, and probably injure the quality of the bottom for producing or hatching alewives and other fish which spawn in still waters. But mills are not very common above lakes, this being the case only in two or three places in this Province. Where sawdust settles on the bottom of estuaries and bays around the coast, of course it has the effect of destroying all young fish, and consequently fish food, and to whatever extent it may so settle or lodge, it injures the fisheries. But whether the injury done in this way is of sufficient importance to warrant the enforcement of this law against the lumbering interests, which would have the effect of closing up very many mills, and putting many others to a large amount of expense, I very much doubt. If we can succeed in getting a passage for the fish up and down our rivers, and a fair measure of protection from being destroyed by poachers during close season, I think we shall be able to endure all the injury inflicted upon them by sawdust. All other mill rubbish of course, can, and must be, kept out of the streams for many obvious reasons.

CLOSE TIME FOR SALMON.

The old Nova Scotia law permitted salmon fishing in salt water until the 20th of October, which gave the inhabitants along the rivers emptying into the Strait of Northumberland a chance to get a few fish in the fall. As the law is at present, they cannot take any legally, hence they fish in close season. I think it would prove advantageous to all concerned if the time was extended to the 5th, or 10th of October on those rivers, as the fish do not enter them in the spring or summer months as they do in other parts of the country. These rivers being short, with estuaries of considerable length, the fish are fit for food a month later than on the Miramichi and other large rivers, nor do they spawn as early by three or four weeks; hence the close time might be later without injury to the fishery. I think Mr. A. B. Wilmot will corroborate my statement as to the difference of spawning time on the different rivers. The reason for the difference is, doubtless, because on the larger rivers the fish run up into the fresh water earlier than in the small ones, as in the latter they wait in the estuaries until the fall rains come before they can go up, and of course do not develop into the spawning condition so rapidly in salt as in fresh water. If the rains come, as they sometimes do, early in September, they run up then, and consequently spawn earlier; but if not till the first of October, as was the case last year, they spawn correspondingly late, as was the case last year, hence the fish became fit for food much later on the small streams. If the time was extended, as I suggest, the people would more cheerfully obey the law after that date, and I think the fish would really receive better protection than they do under the present law, while it would make it much easier for your officers, and consequently less expensive. I am aware that these rivers are the nurseries which keep up the salmon fisheries on the Merrigomish beaches and elsewhere in the Gulf, and hence the necessity that they should receive proper protection, which I believe will be better attained by allowing the people to fish in salt water as late as stated above.

ALEWIVES.

In 1874 and 1875, the Province of Nova Scotia produced nearly 14,000 barrels of these fish each year, while they fell off to about 7,000 barrels in 1873, and to 5,000 in 1877. The decrease is the same on rivers obstructed, like the Tusket, in Yarmouth and Margaree in Inverness counties, as on rivers having mill-dams like the Gaspereau, in Kings, or the Roseway, in Shelburne county. The movements of these fish are as uncertain and as difficult to be accounted for as the usual fluctuating movements of other wild animals or wild birds. I have no idea that they are leaving us altogether; they will return shortly and more abundant than ever. When they do return they will find the obstacles to their ascent much less than when they were last here, as many new and commodious fishways have been constructed in the mill-dams during the past two or three years. The alewives are a very important fish. If they leave us, so will the cod and others of this race in large measure. If the young alewives are not found in our bays and estuaries in abundance, mackerel will not visit our shores, but seek food in other latitudes. Hence, I would strongly urge the passage of a law or Regulation, to allow no fishing for alewives from Thursday evening at 6 o'clock to the same hour on Monday morning of each week. Brush weirs and seines should also be prohibited in rivers and estuaries, except for the purpose of taking coast or sea fish.

SMELTS.

These fish are becoming more and more valuable each year since the opening of our railways. We require a close time for them in this Province, from the 1st April to the 30th June.

LOBSTERS.

The present close time is about right for the central portion of the Province, but it should be ten days earlier in the western, and ten days later in the eastern Counties, as all migratory or river fish enter the rivers in the western Counties

three weeks earlier than in the eastern, and lobsters are governed by the same general influences, I have no doubt. Nearly all the lobster packers located at the upper portion of the Straits of Northumberland have been compelled to suspend operations, as they find it impossible to pack them so that they won't spoil. Considerable money has been lost in that section in this business. The cause of this is difficult to ascertain. I am inclined to think, however, that inasmuch as that section of the Gulf is shallow, the water much warmer in the summer months, affects the fish so that they will not keep, no matter how well they are put up. This will account for the large falling off in the yield of lobsters in Cumberland County during the past two years. These fish are very abundant and very fine in that locality, but cannot at present, at all events, be utilized for commercial purposes, which is a serious loss and inconvenience to the inhabitants of that portion of the county.

SHAD FISHERIES.

There are caught annually, chiefly in the Bay of Fundy, from five to eight thousand barrels of these fish in this Province. They are chiefly marketed in the United States, and are worth from \$9 to \$10 per barrel. They always meet with a ready sale, because of their nice flavour and fatness.

They are usually caught between the 20th of June and the end of July. They are not propagated in our streams, but spawn in American rivers, further south, probably early in March, and come north to the Bay of Fundy to feed on a peculiar worm called by our fishermen the "shad worm," which abounds on the flats of the bay. These fish, as well as salmon, become very fat in consequence of the food they obtain in the muddy waters of the Bay of Fundy.

These fish are caught in brush weirs, stake and drift nets, with meshes of 4½ inches, extension length. The chief difficulty with this fishery is that it is overfished. I think the brush weirs should pay a license fee like other traps, and the fishermen should be compelled to put a netting in the bunt of each weir, sufficient to allow all small fish to escape, and to open them from Saturday night until Monday, or forfeit their license. Drift nets should not be allowed, except a certain length for each boat; what that length should be I am not at present prepared to say. The length of stake nets is already fixed by regulations. What few shad enter our rivers for spawning are sufficiently protected by the laws and regulations relating to alewives, as they ascend the rivers at the same time. There being an Inspector of Fisheries in this Province who has given his whole attention to these subjects which come more immediately under his supervision, I presume he will report more fully upon many abuses which need remedying than I am able to do; my time having for the most part been taken up with the construction and repair of fishways during the past three or four years.

The County Regulations will need revision in at least some of the counties, but this could not be properly done except by conferring with county officers on the subject. I could, of course, suggest many changes and improvements, but as it is not desirable to change these regulations often, I would respectfully suggest that it be left for the present, and that the Inspector should collect all necessary information next summer, by personal conference with the local officers, to enable him to amend the regulations, which is very much needed, in some counties in particular.

As I am not in possession of the statistical returns of the yield of fish for this year, I cannot say anything as to the decrease or increase, or the causes for such fluctuations in any of the fisheries during the past year. Your Inspector will, however, furnish you with all necessary information and suggestions on these points.

An industry which yields annually to the people of Nova Scotia alone over six millions of dollars per annum, and which may be made to produce double that amount, is worthy of being fostered.

I have the honor to be, Sir,

Your obedient Servant,

W. H. ROGERS,

Fishery Officer.

APPENDIX

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in Fish, and the Total Number of Men employed, &c.,

| COUNTIES | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | | |
|----------------------|--|------------|-------------|-----------|------------|-------------|-------------------|--------------|-------------|-----------|---------------|-----------------------------|---------------------|-----------------------|-----------------|--------------------|-----------------|-----------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, brls. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs | Salmon, in cans, lbs. | Mackerel, brls. | Mackerel, in cans. | Herrings, brls. | Herrings, Smoked, in boxes. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  |  | Value. |
| <i>Annapolis.</i> | | | \$ | | \$ | | | \$ | \$ | | | | | | | | | |
| Margaretville..... | 1 | 14 | 250 | 4 | 17 | 340 | 44 | 1500 | 1000 | 2 | 100 | 900 | | 60 | 1200 | | | |
| Port George..... | 2 | 75 | 3700 | 20 | 18 | 360 | 38 | 1200 | 1200 | 1 | 50 | 115 | | 50 | 1000 | 1600 | | |
| Port William..... | | | | | 20 | 400 | 40 | 1300 | 1250 | | | | | | 2000 | | | |
| Chute's Cove..... | | | | | 20 | 300 | 40 | 2400 | 1200 | | | | | | 1500 | | | |
| Phiney Cove..... | | | | | 20 | 360 | 40 | 2700 | 1350 | | | | | | 1160 | | | |
| Young Cove..... | | | | | 15 | 180 | 30 | 400 | 200 | | | | | | 1000 | | | |
| Leonard Cove..... | 1 | 30 | 500 | | 10 | 200 | 20 | 1000 | 500 | | | | | | 350 | | | |
| Gut Station..... | | | | | 20 | 400 | 40 | 2000 | 1000 | 2 | 50 | | | | 100 | | | |
| Goat Island..... | | | | | 30 | 900 | 60 | 3000 | 1500 | 10 | 800 | | | 100 | 100 | 1000 | | |
| Annapolis..... | 1 | 50 | 2000 | 6 | 1 | 20 | | | | 1 | 25 | | | | | | | |
| Laquille River..... | | | | | | | | | | | | 500 | | | | | | |
| Annapolis River..... | | | | | 4 | 40 | 20 | 90 | 45 | 2 | 100 | 1200 | | | | | | |
| Nictaux River..... | | | | | | | | | | | | | | | | | | |
| Round Hill..... | | | | | | | | | | | | 200 | | | | | | |
| Total..... | 5 | 169 | 6450 | 30 | 175 | 3500 | 370 | 15590 | 9245 | 18 | 1125 | 2915 | | 210 | 8410 | 2600 | | |

RECAPITULATION.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|-----------------------------|---------------------|---------|-----------|
| | | \$ cts. | \$ cts. |
| Salmon..... | | 15 00 | |
| do Fresh, on ice..... | 2,915 brls. at..... | 0 15 | 437 25 |
| do Smoked..... | | 0 15 | |
| do in cans..... | | 0 15 | |
| Mackerel..... | 210 brls. at..... | 10 00 | 2,100 00 |
| do in cans..... | | 0 15 | |
| Herrings..... | 8,410 brls at..... | 4 00 | 33,640 00 |
| do Smoked, in boxes..... | 2,600 do "..... | 0 25 | 650 00 |
| Alewives..... | 25 do "..... | 3 50 | 87 50 |
| Cod..... | 1,530 cwt. "..... | 4 25 | 6,502 50 |
| Cod Tongues and Sounds..... | | 7 00 | |
| Pollack..... | 625 cwt. at..... | 3 50 | 2,187 50 |
| Hake..... | 1,575 do "..... | 3 50 | 5,512 50 |

No. 12.

the Fisheries, Quantity and Value of Fishing Material; Kinds and Quantities of in the Province of Nova Scotia, for the Year, 1878.

| KINDS OF FISH. | | | | | | | | | | | FISH PRO- DUCTS. | ALUE. | WHERE MARKETED. | | | | |
|-----------------|-----------|---------------------------------|---------------|------------|---------------|---------------|-------------|------------|-------------|-------------|---------------------|-------|--------------------|----------------|-----------------|------------------|---|
| Alewives, brls. | Cod, cwt. | Cod Tongues and Soups, brls. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, brls. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, brls. | | | Oysters, brls. | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, brls. |
| 100 | 50 | 50 | 2000 | 100 | 500 | 6,745 00 | | | | | | | | | | | St. John, Boston, Halifax and Annapolis. Eight per cent. used in the County. |
| 350 | 30 | 400 | 250 | 5500 | 400 | 9,499 75 | | | | | | | | | | | |
| 50 | 25 | | 4000 | | 100 | 8,655 00 | | | | | | | | | | | |
| 100 | 150 | 300 | 100 | 2000 | 500 | 8,895 00 | | | | | | | | | | | |
| 180 | 70 | 500 | 180 | 10000 | 750 | 9,297 50 | | | | | | | | | | | |
| 100 | 25 | 175 | | | 150 | 5,267 50 | | | | | | | | | | | |
| 50 | 25 | 100 | 800 | | 150 | 2,220 50 | | | | | | | | | | | |
| 100 | 100 | 100 | 100 | 2000 | 300 | 2,210 00 | | | | | | | | | | | |
| 100 | 50 | | 200 | | 10 | 2,556 50 | | | | | | | | | | | |
| 500 | 100 | | 100 | | | 3,020 60 | | | | | | | | | | | |
| 25 | | | | | | 174 50 | | | | | | | | | | | |
| | | | | | 10 | 1000 | 500 | | | | | | | | | | |
| | | | | | | | 200 | | | | | | | | | | |
| | | | | | | | 100 | | | | | | | | | | |
| 25 | 1530 | 625 | 1575 | 980 | 26300 | 10 | 1000 | 1000 | | | | | 2760 | 1640 | 58,939 25 | | |

ANNAPOLIS.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|---------------------|----------------|---------|------------|
| | | \$ cts. | \$ cts. |
| Haddock | 980 cwt. at | 3 50 | 3,430 00 |
| Halibut | 26,300 lbs. " | 0 06 | 1,578 00 |
| Shad | 10 brls. " | 8 00 | 80 00 |
| Bass | 1,000 lbs. " | 0 06 | 60 00 |
| Trout | 1,000 do " | 0 06 | 60 00 |
| Smelt | | 0 06 | |
| Eels | | 9 60 | |
| Oysters | | 3 00 | |
| Lobsters | | 0 15 | |
| Fish Oil | 2,760 gall. at | 0 65 | 1,794 00 |
| Fish Guano | | 15 00 | |
| Fish used as manure | 1,640 brls. at | 0 50 | 820 00 |
| Total | | | 58,939 25. |

RETURN showing the Number, Tonnage and Value of Vessels

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | | |
|--------------------|--|----------|--------|--------|-----|--------|-------------------|----------|--------|-----|---------------|-----------------------------|----------------------|-----------------------|----------------|--------------------|----------------|-----------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, brls. | Salmon, fresh, in ice, lbs. | Salmon, smoked, lbs. | Salmon, in cans, lbs. | Mackerel, brls | Mackerel, in cans. | Herring, brls. | Herrings, smoked, in boxes. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  |  | Value. |
| <i>Antigonish.</i> | | | \$ | | | \$ | | | \$ | | \$ | | | | | | | |
| Antigonish | | | | 15 | 600 | 45 | 3284 | 3960 | | | 40 | 14000 | | 400 | | 200 | | |
| Arasaig | | | | 25 | 750 | 75 | 4670 | 5750 | | | | 1000 | | 250 | | 60 | | |
| Morristown | 1 | 25 | 600 | 5 | 60 | 1800 | 180 | 9820 | 10500 | | | | | 750 | | 400 | | |
| Tracadie | 6 | 300 | 9000 | 60 | 55 | 2200 | 165 | 4000 | 5000 | | | | 2640 | 500 | | 500 | | |
| Total | 7 | 325 | 9600 | 65 | 155 | 5350 | 465 | 21774 | 25210 | | 40 | 15000 | | 2640 | 1900 | | 1160 | |

RECAPITULATION

| Kinds of Fish. | Quantities. | Rate. | Totals. |
|------------------------------|----------------------|---------|-----------|
| | | \$ cts. | \$ cts. |
| Salmon | 40 brls. at | 15 00 | 600 00 |
| do Fresh, in ice | 15,000 lbs. " | 0 15 | 2,250 00 |
| do Smoked | | 0 15 | |
| do in cans | 2,640 lbs. at | 0 15 | 396 00 |
| Mackerel | 1,900 brls. " | 10 00 | 19,000 00 |
| do in cans | | 0 15 | |
| Herrings | 1,160 brls. at | 4 00 | 4,640 00 |
| do Smoked, in boxes | | 0 25 | |
| Alewives | | 3 50 | |
| Cod | 2,730 cwt. at | 4 25 | 11,602 50 |
| Cod Tongues and Sounds | | 7 00 | |
| Pollack | | 3 50 | |
| Hake | 1,300 cwt. at | 3 50 | 4,550 00 |

and Boats engaged in the Fisheries, &c.—Continued.

| KINDS OF FISH. | | | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | WHERE MARKETED. | | |
|-----------------|-----------|-------------------------------|---------------|------------|---------------|---------------|-------------|------------|-------------|-------------|-------------|----------------|-----------------|------------------|-------------------|--------|-----------------|----------------------------|---|
| Alewives, brls. | Cod, cwt. | Cod Tongues and Sounds, brls. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, brls. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, brls. | Oysters, brls. | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | | | Fish used as Manure, brls. | |
| 800 | | | 500 | 200 | | | | | | 600 | 100 | 150 | | 200 | | | \$ 14,866 | cts. 00 | Shipped United States and Halifax \$55,964 40 Fish used in County... 7,500 00 \$63,464 40 |
| 230 | | | 100 | 100 | | | | | | | | | | 20 | | | 4,580 | 50 | |
| 1500 | | | 650 | 200 | | | | | | | | | | 210 | | | 18,586 | 50 | |
| 200 | | | 50 | | | | | | | | 40 | | 110136 | 200 | | | 25,431 | 40 | |
| 2730 | | | 1300 | 500 | | | | | | 600 | 140 | 150 | 110136 | 630 | | | 63,464 | 40 | |

ANTIGONISH.

| Kinds of Fish. | Quantities. | Rate. | Totals. |
|----------------|-----------------------|---------|-----------|
| | | \$ cts. | \$ cts. |
| Haddock | 500 cwt. at..... | 3 50 | 1,750 00 |
| Halibut | ..... | 0 06 | |
| Shad | ..... | 8 00 | |
| Bass | ..... | 0 06 | |
| Trout | ..... | 0 06 | |
| Smelt | ..... | 0 06 | 36 00 |
| Eels | 600 lbs. at..... | 9 00 | 1,260 00 |
| Oysters | 140 brls. "..... | 3 00 | 450 00 |
| Lobsters | 150 " "..... | 0 15 | 16,520 40 |
| Fish Oil | 110,136 cans. at..... | 0 65 | 409 50 |
| Fish Guano | 630 gallons, at..... | 15 00 | |
| Fish as Manure | ..... | 0 50 | |
| Total | ..... |  | 63,464 40 |

RETURN showing the Number, Tonnage and Value of Vessels

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | | | |
|-----------------------------|--|----------|--------|--------|------|--------|-------------------|----------|--------|------|--------|---------------|-----------------------------|----------------------|-----------------------|-----------------|--------------------|-----------------|-----------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | | | | | | | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. | Value. | Salmon, brls. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, brls. | Mackerel, in cans. | Herrings, brls. | Herrings, Smoked, in boxes. |
| <i>Cumberland.</i> | | | \$ | | | \$ | | | | | | | | | | | | | |
| Fort Lawrence | | | | | | | 8 | 200 | 150 | | | | 100 | | | | | | |
| Amherst | | | | | | | 16 | 400 | 300 | | | | 500 | | | | | | |
| Manudie | | | | | | | 11 | 650 | 550 | | | | 1000 | | | | | | |
| Apple River | | | | 1 | 40 | | 3 | 100 | 50 | | | | 100 | | | | | 100 | |
| Advocate | | | | 3 | 120 | | 9 | 300 | 150 | 1 | 40 | | | | | 75 | | 250 | |
| Spence's Island | | | | 4 | 300 | | 15 | 150 | 75 | 1 | 75 | | | | | 25 | | 450 | |
| Port Grenville | | | | 5 | 250 | | 15 | | | 5 | 100 | | 800 | | | 10 | | 300 | |
| Parsboro' | | | | 3 | 150 | | 15 | | | 3 | 60 | | 400 | | | | | 250 | |
| Swa Islands | | | | | | | | | | 3 | 120 | | 1000 | | | | | 250 | |
| Goose River | | | | | | | | | | | | | | | | 40 | | 60 | |
| North Port | | | | | | | | | | | | | | | | | | 30 | |
| Pugwash | | | | | | | | | | | | | | | | | 30 | | 25 |
| Pugwash River | | | | | | | | | | | | | | | | 20 | | | |
| River Philip | | | | | | | | | | | | | | | | | | | |
| Tidnish | | | | 4 | 120 | | 6 | | | 700 | 700 | | | | | | | 330 | |
| Toney Bay | | | | | | | | | | | | | | | | | | 40 | |
| Wallace | | | | 5 | 150 | | 10 | | | 400 | 300 | | | | | | | | |
| Wallace Bay and River | | | | | | | | | | | | | | | | | | | |
| Total | | | | 25 | 1130 | | 108 | 1800 | 1275 | 1113 | 1395 | | 3600 | | 200 | | 2075 | 100 | |

RECAPITULATION.

| Kinds of Fish. | Quantities. | Rate. | | Totals. |
|------------------------------|----------------------|-------|------|----------|
| | | \$ | cts. | \$ cts. |
| Salmon | | 15 | 00 | |
| do Fresh, in ice | 3,600 lbs. at | 0 | 15 | 640 00 |
| do Smoked ..... | ..... | 0 | 15 | |
| do in cans ..... | ..... | 0 | 15 | |
| Mackerel | 200 brls. at | 10 | 00 | 2,000 00 |
| do in cans ..... | ..... | 0 | 15 | |
| Herrings | 2,075 brls. at | 4 | 00 | 8,300 00 |
| do Smoked | 100 boxes " | 0 | 25 | 25 00 |
| Alewives | 485 brls. " | 3 | 50 | 1,697 50 |
| Cod | 500 cwt. " | 4 | 25 | 2,125 00 |
| Cod Tongues and Sounds ..... | ..... | 7 | 00 | |
| Pollack | 295 cwt. " | 3 | 50 | 1,032 50 |
| Hake | 325 cwt. " | 3 | 50 | 1,137 50 |

and Boats engaged in the Fisheries, &c.—Continued.

| KINDS OF FISH. | | | | | | | | | | | | | FISH PRODUCTS. | | VALUE. | WHERE MARKETED. | | | |
|-----------------|-----------|-------------------------------|---------------|------------|---------------|---------------|-------------|------------|-------------|-------------|-------------|----------------|-----------------|------------------|--------|-----------------|-------------------|----------------------------|---|
| Alewives, brls. | God, cwt. | God Tongues and Sounds, brls. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, brls. | Base, lbs. | Trout, lbs. | Smelt, lbs. | Eels, brls. | Oysters, brls. | Lobsters, cans. | Fish Oil, galls. | | | Fish Guano, tons. | Fish used as Manure, brls. | |
| 15 | | | | | | | 75 | | | | | | | | | | 667 50 | Home consumption. | |
| 25 | | | | | | | 350 | | 250 | 100 | | | | | 8 | | 2,988 70 | do | |
| 45 | | | | | | | 425 | | 200 | 4000 | | | | | 10 | | 3,973 50 | do | |
| 25 | | | 20 | 40 | | 50 | | | 200 | | | | | | 10 | | 754 75 | do | |
| 100 | | | 50 | 60 | | 400 | | | | | | | | | 50 | | 2,616 50 | do | |
| 50 | | | 25 | 40 | | 500 | | | | | | | | | 25 | | 2,560 25 | do | |
| 250 | | | 100 | 75 | | 1000 | 1 | | 200 | | | | | | 75 | 10 | 3,328 25 | do | |
| 50 | | | 60 | 50 | | 1500 | | | 500 | | | | | | 25 | 5 | 1,868 25 | do | |
| 25 | | | 40 | 60 | | 1200 | 200 | | 100 | | | | | | 40 | 4 | 3,370 25 | do | |
| | | | | | | | | 2000 | | | | | | | | | 600 00 | do | |
| | | | | | | | | | | | | | | | | | 240 00 | do | |
| | | | | | | | | | | | | | | | | | 400 00 | do | |
| 400 | | | | | | | | | | | | 300 | | | | | 1,100 00 | Halifax. | |
| | | | | | | | | 4000 | 600 | 5000 | 15 | 100 | | | | | | 2,411 00 | Home consumption and West Indies. |
| | | | | | | | | | | | | | 18432 | | | | | 4,084 80 | do |
| | | | | | | | | | | | | | 57600 | | | | | 8,800 00 | England and Halifax and home consumption. |
| | | | | | | | | | | | | | | 40 | | | | 120 00 | do |
| | | | | | | | | | | | | | 200 | | | | | 600 00 | do |
| 485 | 500 | | 295 | 325 | | 4650 | 1051 | 6000 | 1850 | 9100 | 15 | 640 | 76032 | 273 | 19 | | | 40,483 75 | |

CUMBERLAND.

| Kinds of Fish. | Quantities. | Rate. | Totals. |
|---------------------|-------------|---------|-----------|
| | | \$ cts. | \$ cts. |
| Haddock | | 3 50 | |
| Halibut | | 0 06 | |
| Shad | 4,650 lbs. | 0 06 | 279 00 |
| Base | 1,051 brls. | 8 00 | 8,498 00 |
| Trout | 6,900 lbs. | 0 06 | 360 00 |
| Smelt | 1,850 lbs. | 0 06 | 111 00 |
| Eels | 9,100 lbs. | 0 06 | 546 00 |
| Oysters | 15 brls. | 9 00 | 135 00 |
| Lobsters | 640 brls. | 3 00 | 1,920 00 |
| Fish Oil | 76,032 cans | 0 15 | 11,404 80 |
| Fish Guano | 273 galls. | 0 65 | 177 45 |
| Fish used as Manure | 19 tons | 15 00 | 285 00 |
| | | 0 50 | |
| Total | | | 40,483 75 |

RETURN showing the Number, Tonnage and Value of Vessels

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING | | | | | | FISHING MATERIAL. | | | | | | | | | | | |
|--|---------------------------------------|----------|--------|--------|------|--------|-------------------|----------|--------|-------|---------------|-----------------------------|----------------------|-----------------------|-----------------|--------------------|-----------------|-----------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, brls. | Salmon, fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, brls. | Mackerel, in cans. | Herrings, brls. | Herrings, Smoked, in boxes. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  |  | Value. |
| <i>Colchester.</i> | | | \$ | | \$ | | | \$ | \$ | | | | | | | | | |
| Five Islands..... | | | | 5 | 150 | 13 | | 200 | 4 | 500 | 3 | 100 | | | | | 25 | |
| Economy Village..... | | | | 1 | 30 | 15 | 300 | 50 | 10 | 3500 | | | | | | | 75 | 100 |
| Economy Point..... | | | | | | 10 | | | 6 | 6000 | | | | | | | 20 | |
| Upper Economy..... | | | | 10 | 300 | 28 | 3500 | 600 | 5 | 1600 | 6 | 400 | | | | | 25 | |
| Little Bass River..... | | | | 3 | 100 | 8 | 1050 | 200 | 2 | 200 | 2 | 100 | | | | | 10 | |
| Bass River..... | | | | 2 | 50 | 7 | 600 | 100 | 2 | 800 | 2 | 150 | | | | | | |
| Birch Hill..... | | | | 3 | 100 | 8 | 900 | 150 | 1 | 800 | 3 | 150 | | | | | | |
| Portapique..... | | | | 1 | 40 | 7 | 300 | 50 | 4 | 700 | 2 | | | | | | | |
| Highland Village..... | | | | 5 | 200 | 11 | 1500 | 300 | 1 | 150 | 5 | 200 | | | | | | |
| Great Village Point..... | | | | 5 | 200 | 10 | 1200 | 200 | | | 3 | 400 | | | | | | |
| Great Village..... | | | | 2 | 80 | 4 | 500 | 120 | | | | 400 | | | | | | |
| Little Dyke..... | | | | 7 | 210 | 14 | 2000 | 280 | | | | 1000 | | | | | | |
| Debert..... | | | | 2 | 50 | 4 | 600 | 100 | | | | 840 | | | | | | |
| Moss Town..... | | | | 5 | 150 | 10 | 1500 | 250 | | | | 1925 | | | | | | |
| Stirling..... | | | | 18 | 420 | 22 | | | | | | | | | | | | 50 |
| Lower Stewiacke..... | | | | 10 | 50 | 10 | 75 | 90 | | | | 730 | | | | | | |
| Forest Glen..... | | | | 3 | 15 | 3 | 20 | 27 | | | | 300 | | | | | | |
| Middle Stewiacke..... | | | | | | | | | | | | | | | | | | |
| Fresh Fish used by inhabitants of Stewiacke..... | | | | | | | | | | | | | | | | | | |
| Totals..... | | | | 82 | 2145 | 184 | 14045 | 2717 | 35 | 14250 | 26 | 6695 | | | | | 205 | 100 |

RECAPITULATION.

| Kinds of Fish. | Quantity. | Rate. | Total. |
|-----------------------------|-------------------|---------|----------|
| Salmon..... | | \$ cts. | \$ cts. |
| do Fresh, in ice..... | 26 brls. at..... | 15 00 | 390 00 |
| do Smoked..... | 6,695 lbs. "..... | 0 15 | 1,004 25 |
| do in cans..... | | 0 15 | |
| Mackerel..... | | 10 00 | |
| do in cans..... | | 0 15 | |
| Herrings, brls..... | 205 brls. at..... | 4 00 | 820 00 |
| do Smoked..... | 100 boxes "..... | 0 25 | 25 00 |
| Alewives..... | | 3 50 | |
| Cod, cwt..... | 100 cwt. at..... | 4 25 | 425 00 |
| Cod Tongues and Sounds..... | | 7 00 | |
| Pollack..... | | 3 50 | |
| Hake..... | | 3 50 | |
| Haddock..... | | 3 50 | |

and Boats engagad in the Fisheries, &c.—Continued

| KINDS OF FISH. | | | | | | | | | | FISH PRO- DUCTS. | | VALUE. | WHERE MARKETED. | | | | | |
|-----------------|-----------|---------------------------------|---------------|------------|---------------|---------------|-------------|------------|-------------|---------------------|-------------|--------|-----------------|----------------|-----------------|------------------|-------------------|---|
| Alewives, brls. | Cod, cwt. | Cod Tongues and Soups, brls. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, brls. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, brls. | | | Oysters, brls. | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, brls. |
| 80 | 20 | | | | | | 130 | | | | | | | 30 | | | \$ 1,559 50 | Three-fourths exported to United States and New Brunswick; one- fourth in Nova Scotia. |
| | | | | | | | 520 | | | | | | | 20 | | | 4,583 00 | |
| | | | | | | | 490 | | | | | | | | | | 4,000 00 | |
| | | | | | | | 580 | | | | | | | | | | 4,890 00 | |
| | | | | | | | 130 | | | | | | | | | | 1,125 00 | |
| | | | | | | | 180 | | | | | | | | | | 1,492 50 | |
| | | | | | | | 239 | | | | | | | | | | 1,979 50 | |
| | | | | | | | 262 | | | 5000 | | | | | | | 2,426 00 | |
| | | | | | | | 170 | | | | | | | | | | 1,465 00 | |
| | | | | | | | 100 | | | | | | | | | | 905 00 | |
| | | | | | | | 30 | | | | | | | | | | 300 00 | Home and France. Home consumption and in the Province. |
| | | | | | | | 75 | | | | | | | | | | 750 00 | |
| | | | | | | | 50 | | | | | | | | | | 526 00 | |
| | | | | | | | 124 | | | | | | | | | | 1,280 75 | |
| | | | | | | | | 3000 | 10000 | | | | 155000 | | | | 24,230 00 | |
| | | | | | | | 2 | 400 | 12000 | | | | | | | | 869 50 | |
| | | | | | | | 1 | 200 | | | | | | | | | 65 00 | |
| | | | | | | | | 200 | | | | | | | | | 12 00 | |
| | | | | | | | | | | | | | | | | | 137 90 | |
| 100 | | | | | | | 3083 | 3800 | 27000 | | | | 155000 | 50 | | | 52,596 65 | |

COLCHESTER.

| Kinds of Fish. | Quantity. | Rate. | Total. |
|-----------------------------------|----------------------|---------|-----------|
| | | \$ cts. | \$ cts. |
| Halibut..... | | 0 06 | |
| Shad..... | | 8 00 | 24,664 00 |
| Bass..... | 3,083 brls. at..... | 0 06 | |
| Trout..... | | 0 06 | 228 00 |
| Smelt..... | 3,800 lbs. at..... | 0 06 | 1,620 00 |
| Eels..... | 27,000 do "..... | 9 00 | |
| Oysters..... | | 3 00 | |
| Lobsters..... | | 0 15 | 23,250 00 |
| Fish Oil..... | 155,000 cans at..... | 0 65 | 32 50 |
| Fish Guano..... | 50 galls. at..... | 15 00 | |
| Fish used as Manure..... | | 0 50 | |
| Fresh Fish used in Stewiacke..... | | | 137 90 |
| Total..... | | | 52,596 65 |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING | | | | | | FISHING MATERIAL. | | | | | | | | | | |
|----------------------------|---------------------------------------|----------|--------|--------|------|--------|-------------------|----------|--------|-----|---------------|-----------------------------|----------------------|-----------------------|-----------------|-------------------------|-----------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, brls. | Salmon, fresh, in ice, lbs. | Salmon, smoked, lbs. | Salmon, in cans, lbs. | Mackerel, brls. | Mackerel, in cans, lbs. | Herrings, brls. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  | Value. |
| <i>Cape Breton.</i> | | \$ | | | \$ | | | \$ | \$ | | | | | | | | |
| Sydney, Fork's River | | | | 7 | 56 | 7 | 120 | 50 | | | | | | | | | |
| Cozheath | | | | 10 | 162 | 22 | 552 | 231 | | | | | | | | | 139 |
| Point Edward | | | | 9 | 90 | 18 | 414 | 164 | | 5 | 200 | | | | | | 170 |
| S. side of N. W. Arm | | | | 14 | 140 | 28 | 560 | 224 | | | | | | | | | 132 |
| Albert Bridge | | | | 8 | 80 | 8 | 512 | 112 | | | 500 | | | | | | 14 |
| Mira River | | | | 9 | 80 | 18 | 570 | 180 | | | 4 2000 | | | | | | |
| Mira Gut | 1 | 21 | 300 | 4 | 5 | 300 | 14 | 560 | 224 | 10 | 720 | | | | 21 | | 20 |
| Round Island | | | | 10 | 90 | 18 | 900 | 320 | | 6 | 1200 | 3500 | | | | | 105 |
| False Bay Beach | | | | 16 | 144 | 16 | 440 | 150 | | 4 | 400 | | | | | | 140 |
| Wadden's Cove | | | | 17 | 170 | 17 | 600 | 150 | | | | | | | | | 250 |
| South Cow Bay | | | | 12 | 488 | 31 | 1280 | 448 | | 12 | 400 | | | | | | 580 |
| Flint Island | | | | 1 | 18 | 2 | 40 | 14 | | | | | | | | | 10 |
| Black Brook | | | | 2 | 40 | 4 | 260 | 91 | | | | | | | | | 110 |
| North Cow Bay | | | | 37 | 600 | 67 | 660 | 231 | | | | | | | | | 190 |
| Long Beach | | | | 6 | 36 | 12 | 280 | 98 | | | | | | | | | 66 |
| Schooner Pond | | | | 11 | 113 | 21 | 480 | 166 | | | | | | | | | 100 |
| Big Glace Bay | | | | 10 | 120 | 22 | 600 | 270 | | 6 | 250 | | | | | | 250 |
| Little Glace Bay | | | | 21 | 440 | 42 | 1520 | 586 | | | | | | | | | 600 |
| Bridgeport | | | | 17 | 308 | 33 | 480 | 168 | | | | | | | | | 210 |
| Lingan Barachois | | | | 10 | 192 | 23 | 400 | 142 | | | | | | | | | 128 |
| Low Point Shore | | | | 33 | 462 | 62 | 1740 | 623 | | | | | | | | | 503 |
| South Bar | | | | 42 | 470 | 66 | 2540 | 756 | | 1 | 5800 | | | | | | 538 |
| N. W. Brook and Grand Lake | | | | | | 15 | 270 | 60 | | | | | | | | | |
| Salmon River | | | | 2 | 16 | 2 | 49 | 16 | | | | | | | | | 2 |
| Kilkenny Lake | | | | | | | | | | | | | | | | | |
| Black Brook | | | | | | | | | | | | | | | | | |
| Belfrey | | | | 12 | 720 | 36 | 720 | 360 | | | | | | | 90 | | 120 |
| Gabarus | 1 | 36 | 700 | 7 | 86 | 256 | 8000 | 4300 | 500 | 650 | | | | | 430 | | 1720 |
| Kennington Cove | | | | 9 | 226 | 25 | 400 | 200 | | | | | | | 10 | | 270 |
| Louisburg | | | | 60 | 1800 | 140 | 2200 | 1075 | | 10 | 600 | | | | 720 | | 1800 |
| Big Loraine | | | | 33 | 1260 | 72 | 5560 | 2490 | | 15 | | | | | 600 | | 800 |
| Little Loraine | | | | 19 | 780 | 45 | 2750 | 1270 | | 25 | 600 | | | | 400 | | 800 |
| Baulin | | | | 15 | 550 | 35 | 950 | 475 | | 20 | | | | | 60 | | 400 |
| Main à Dieu and Scatarie | | | | 36 | 1487 | 100 | 4320 | 2160 | | 20 | | 9600 | | | 540 | | 900 |
| Mira Bay and Châtelone | | | | 49 | 1470 | 120 | 4400 | 2200 | | 50 | | | | | 400 | | 1010 |

Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

| Herrings, smoked, in boxes. | KINDS OF FISH. | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | WHERE MARKETED. | | | |
|-----------------------------|-----------------|-----------|-------------------------------|---------------|------------|---------------|---------------|-------------|------------|-------------|-------------|----------------|----------------|-----------------|--------|-----------------|------------------|-------------------|----------------------------|
| | Alewives, brls. | Cod, cwt. | Cod Tongues and Sounds, brls. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, brls. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, brls. | Oysters, brls. | Lobsters, cans. | | | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, brls. |
| 9 | | | | | | | | | 500 | 600 | 10 | | | | | | | 187 50 | Home con- |
| | | 53 | | | | | | | 300 | 400 | 8 | | | | 26 | | | 912 15 | do |
| | | 10 | | | | | | | | 1000 | 6 | | | | 5 | | | 944 75 | Home and Sydney. |
| | | 6 | | | | | | | | | | | | | | | | 553 50 | do |
| 24 | | 40 | | | 16 | | | | 800 | 1000 | 4 | | | | 20 | | | 598 00 | do |
| | | 15 | | | 2 | 6 | 250 | 1 | 100 | | 8 | 9 | | | 8 | | | 584 95 | do |
| 2 | | 580 | | | 40 | 3200 | | | 1000 | 2000 | 20 | 4 | | | 290 | | | 3,912 50 | Home, Halifax and Sydney. |
| | | 90 | | | | | | | | | 3 | | | | 45 | 5 | | 1,728 75 | Home, Halifax & Cow Bay. |
| | | 250 | | | 16 | 1800 | | | 400 | 700 | 20 | | | | 125 | 2 | | 2,263 75 | do |
| | | 660 | | | 55 | 3400 | | | | | | | | | 330 | 2 | | 4,446 00 | Home and Halifax. |
| | | 800 | | | 60 | 2600 | | | | | | | | | 400 | | | 6,586 00 | do |
| | | 20 | | | | | | | | | | | | | 10 | | | 131 50 | Cow Bay. |
| | | 190 | | | 16 | 1400 | | | 300 | | | | | | 95 | | | 1,467 25 | Home and Halifax. |
| | | 490 | | | 6 | 3800 | | | | 1000 | 20 | | | | 245 | | | 3,490 75 | Cow Bay. |
| | | 25 | | | | | | | | | | | | | 12 | | | 378 05 | Home. |
| | | 60 | | | | 2200 | | | | | | | | | 30 | | | 806 50 | do |
| | | 30 | | | | 700 | | | 200 | 2500 | 15 | | | | 15 | 4 | | 1,663 75 | Home and Halifax. |
| | | 300 | | | 15 | 5800 | | | | | | | | | 150 | 3 | | 4,218 00 | do |
| | | 190 | | | 10 | 1800 | | | | 1200 | 40 | | | | 95 | | | 2,284 25 | do |
| | | 230 | | | 10 | 1000 | | | | | 25 | | | | 115 | | | 1,884 25 | Lingan and Halifax. |
| | | 292 | | | 15 | 2800 | | | | | | | | | 146 | 15 | | 3,793 40 | Home and Halifax. |
| | | 281 | | | 10 | 600 | | | | 2400 | 35 | | | | 140 | | | 4,852 25 | do |
| 20 | | | | | | | | | 300 | | | | | | | | | 88 00 | Home. |
| 5 | | 22 | | | | | | | 300 | 2000 | | | | | 11 | | | 264 15 | do |
| | | | | | | | | | 400 | | | | | | | | | 24 00 | do |
| | | | | | | | | | 600 | | | | | | | | | 36 00 | do |
| | | 600 | | | | | | | | 8000 | 5 | | | | 450 | | | 4,747 50 | Halifax. |
| | | 6020 | | | 200 | 250 | 500 | | | | | | 2448 | 3420 | | | | 40,960 20 | do |
| | | 90 | | | 90 | 100 | | | | | | | | | 140 | | | 1,974 50 | Home and Halifax. |
| | | 3600 | | | 600 | 400 | | | | | | | | | 2000 | | | 33,364 00 | Halifax. |
| | | 1650 | | | 320 | 200 | | | 100 | | | | | | 1000 | | | 18,225 50 | do |
| | | 1330 | | | 100 | 150 | | | | | | | | | 700 | | | 14,131 50 | do |
| | | 550 | | | 400 | 100 | | | | | | | | | 480 | | | 6,555 50 | Home and Halifax. |
| | | 3600 | | | 300 | 1400 | | | | | | | | | 1950 | | | 28,441 50 | do |
| | | 3390 | | | 100 | 200 | | | | | | | | | 1860 | | | 24,768 50 | do |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING | | | | | | FISHING MATERIAL. | | | | | | | | | | |
|---|---------------------------------------|----------|--------|--------|-----|--------|-------------------|----------|--------|-----|---------------|-----------------------------|----------------------|-----------------------|-----------------|-------------------------|-----------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, brls. | Salmon, fresh, in ice, lbs. | Salmon, smoked, lbs. | Salmon, in cans, lbs. | Mackerel, brls. | Mackerel, in cans, lbs. | Herrings, brls. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  | Value. |
| <i>Cape Breton—Concluded.</i> | | | \$ | | \$ | | | \$ | \$ | | | | | | | | |
| Mira River and Lewis Bay..... | | | | | 28 | 140 | 30 | 450 | 275 | | | 400 | | | | | |
| East Bay, Big Pond..... | | | | | 20 | 200 | 30 | 500 | 250 | | | | | 2 | | 300 | |
| N. of E. Bay including Boulardic Islands..... | 20 | 600 | 6000 | 140 | 22 | 660 | 44 | 4500 | 6750 | | | 4000 | | | | 500 | |
| Total..... | 22 | 657 | 7000 | 151 | 698 | 16508 | 1501 | 50668 | 27279 | 500 | 650 | 188 | 16670 | 3900 | 9600 | 3273 | 12877 |

RECAPITULATION.—

| Kinds of Fish. | Quantities. | Rate. | Value. |
|---------------------------------|---------------------|---------|------------|
| | | \$ cts. | \$ cts. |
| Salmon..... | 188 brls. at..... | 15 00 | 2,820 00 |
| Salmon, fresh, in ice..... | 16,670 lbs. “..... | 0 15 | 2,500 50 |
| Salmon, smoked..... | 3,900 “ “..... | 0 15 | 585 00 |
| Salmon, in cans..... | 9,600 “ “..... | 0 15 | 1,440 00 |
| Mackerel..... | 3,273 brls. “..... | 10 00 | 32,730 00 |
| Mackerel, in cans..... | “ “..... | 0 15 | ..... |
| Herrings..... | 12,877 brls. “..... | 4 00 | 51,508 00 |
| Herrings, smoked, in boxes..... | “ “..... | 0 25 | ..... |
| Alewives..... | 80 brls. “..... | 3 50 | 280 00 |
| Cod..... | 28,276 cwt. “..... | 4 25 | 120,173 00 |
| Cod Tongues and Sounds..... | “ “..... | 7 00 | ..... |
| Pollack..... | “ “..... | 3 50 | ..... |
| Hake..... | 218 cwt. “..... | 3 50 | 763 00 |

Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

| KINDS OF FISH. | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | WHERE MARKETED. | | | | | | | |
|-----------------------------|-----------------|-----------|-------------------------------|---------------|------------|---------------|---------------|-------------|------------|----------------|-------------|-------------|--------|-----------------|----------------|-----------------|------------------|-------------------|----------------------------|------|-------------------|
| Herrings, smoked, in boxes. | Alewives, brls. | Cod, Cwt. | Cod Tongues and Sounde, brls. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, brls. | Bass, lbs. | TROUT, lbs. | SMELT, lbs. | Eels, brls. | | | Oysters, brls. | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, brls. | | |
| 15 | | 12 | | | | | | 2 | 300 | 1500 | | | | | | | | | \$ | cts. | |
| | | 200 | | | | | | | 100 | 500 | 60 | 60 | | | 150 | | | | 2,941 | 00 | do |
| | | 2600 | | | | 200 | 15300 | | | | | | 25 | | 550 | | | | 15,682 | 50 | Home and Halifax. |
| 80 | 28276 | | | | 218 | 2619 | 49400 | 3 | 5700 | 24800 | 279 | 98 | 2448 | 15013 | 31 | | | | 240,179 | 65 | |

CAPE BRETON.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|---------------------|---------------|-------|------------|
| | | \$ | cts. |
| Haddock | 2,619 cwt. | 3 | 50 |
| Halibut | 49,400 lbs. | 0 | 06 |
| Shad | 3 brls. | 8 | 00 |
| Bass | | 0 | 06 |
| Trout | 5,700 lbs. | 0 | 06 |
| Smelt | 24,800 " | 0 | 06 |
| Eels | 279 brls | 9 | 00 |
| Oysters | 98 " | 3 | 00 |
| Lobsters | 2,448 cans | 0 | 15 |
| Fish Oil | 15,013 galls. | 0 | 65 |
| Fish Guano | 31 tons | 15 | 00 |
| Fish used as Manure | | 0 | 50 |
| Total | | | 240,179 65 |

RETURN showing the Number, Tonnage and Value of Vessels

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | | |
|--------------------------|--|----------|--------|--------|-----|--------|-------------------|----------|--------|-----|------------------|-----------------------------|----------------------|-----------------------|--------------------|--------------------|--------------------|-----------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels. | Mackerel, in cans. | Herrings, barrels. | Herrings, Smoked, in boxes. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  |  | Value. |
| <i>Digby.</i> | | | \$ | | \$ | | | \$ | \$ | | | | | | | | | |
| Digby | 8 | 335 | 6600 | 64 | 22 | 540 | 44 | 750 | 750 | 5 | 800 | | | 50 | | 400 | | |
| Digby Gut..... | | | | | 20 | 600 | 40 | 600 | 500 | | | | | | | 400 | | |
| Gulliver's Cove..... | | | | | 25 | 600 | 50 | 750 | 400 | | | | | | | 360 | | |
| Centerville | 4 | 100 | 2600 | 35 | 17 | 450 | 34 | 500 | 460 | | | | | | | 450 | | |
| Sandy and Mink Cove..... | 4 | 80 | 1600 | 24 | 22 | 450 | 44 | 750 | 630 | 2 | 200 | 3500 | | 200 | | 100 | | |
| Little River | | | | | 25 | 900 | 50 | 660 | 650 | | | | | 250 | | 230 | | |
| Sea Wall | | | | | 10 | 200 | 20 | | | 3 | 600 | | | 300 | | | | |
| St. Mary's | | | | | 60 | 1800 | 120 | | | 9 | 2600 | | | 1576 | | 146 | 700 | |
| Weymouth..... | | | | | 20 | 400 | 40 | 600 | 540 | 3 | 1100 | | | 500 | | 50 | | |
| Hillsburgh..... | 2 | 70 | 3000 | 16 | 12 | 240 | 24 | 275 | 250 | 2 | 150 | | | | | | | |
| Cove | 1 | 10 | 300 | 6 | 25 | 500 | 50 | 350 | 200 | 8 | 1600 | | | 500 | | 500 | | |
| Griffen's Cove | | | | | | | | | | 1 | 1000 | | | 600 | | 800 | | |
| Beliveau's Cove..... | 2 | 40 | 590 | 10 | 21 | 800 | 42 | 420 | 240 | 1 | 200 | | | 600 | | 10 | | |
| Grosses Coques | | | | | 5 | 100 | 10 | 75 | 40 | 1 | 200 | | | 150 | | 75 | | |
| Church Point..... | 2 | 75 | 1500 | 15 | 21 | 800 | 42 | 420 | 240 | 1 | 200 | | | 200 | | 30 | | |
| Saulnierville | | | | | 10 | 400 | 20 | 200 | 100 | | | | | 50 | | 10 | | |
| Meteghan | 5 | 150 | 3000 | 30 | 30 | 1000 | 60 | 3000 | 1500 | | | | | 60 | | 20 | | |
| Cape St. Mary's.... | 7 | 240 | 5000 | 50 | 20 | 1000 | 40 | 3000 | 1500 | | | | | 30 | | 300 | | |
| Salmon River..... | | | | | 8 | 320 | 16 | 160 | 96 | | | 500 | 100 | | | | | |
| Beaver River..... | | | | | 5 | 100 | 10 | 75 | 40 | | | | | 5 | | 5 | | |
| Black Point..... | | | | | | | | | | 1 | 1000 | | | 80 | | | | |
| Westport | 40 | 550 | 18450 | 170 | 75 | 2000 | 150 | 3200 | 1550 | | | | | 133 | | 276 | 500 | |
| Freeport | 18 | 330 | 11480 | 80 | 55 | 1650 | 110 | 3000 | 1500 | 1 | 200 | 200 | | 110 | | 300 | 175 | |
| Tiverton..... | 8 | 180 | 6000 | 60 | 34 | 700 | 68 | 3000 | 1500 | | | | | 28 | | 160 | 1000 | |
| Totals | 101 | 2160 | 59950 | 560 | 542 | 14550 | 1084 | 21985 | 12686 | 35 | 9850 | 4200 | 100 | 5422 | 4122 | 2875 | | |

and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

| KINDS OF FISH. | FISH PRODUCTS. | | | | | | | | | | | Value. | WHERE MARKETED. | | | | | | |
|----------------|--------------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|-------------|--------|-----------------|----------------|-------------------|-----------------|--------------------|-------------------|-------------------------------|
| | Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | 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. |
| 1600 | 5 | 1600 | 750 | 900 | 1425 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 25000 | 950 | 100 | ..... | ..... | \$ | cts. |
| 500 | 1 1/2 | 300 | 260 | 175 | 2000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 900 | 60 | ..... | ..... | 24,813 | 00 |
| 225 | 1 | 250 | 700 | 60 | 1600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 700 | 75 | ..... | ..... | 7,043 | 00 |
| 1600 | 3 | 500 | 2500 | 1500 | 1500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 975 | 250 | ..... | ..... | 6,526 | 75 |
| 450 | 1 | 413 | 50 | 420 | 1600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 440 | 100 | ..... | ..... | 25,219 | 75 |
| 300 | 1 | 275 | 425 | 350 | 1500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 650 | 150 | ..... | ..... | 8,367 | 00 |
| 200 | 1 | 100 | 300 | 150 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 300 | 200 | ..... | ..... | 22,464 | 50 |
| 20 | ..... | 35 | ..... | ..... | 435 | ..... | ..... | ..... | ..... | 5000 | 3 | ..... | ..... | 52 | 60 | ..... | ..... | 6,077 | 00 |
| 50 | ..... | 25 | 50 | 750 | ..... | ..... | ..... | ..... | ..... | 3000 | 7000 | 15 | ..... | 36 | 100 | ..... | ..... | 20,997 | 30 |
| 900 | 2 | 60 | ..... | 72 | 2000 | ..... | ..... | ..... | ..... | 1500 | ..... | ..... | ..... | 850 | 50 | ..... | ..... | 9,103 | 40 |
| 250 | ..... | 23 | 60 | 57 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50 | ..... | ..... | ..... | 5,124 | 50 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6,710 | 00 |
| ..... | ..... | 60 | 25 | 1000 | 200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 65 | ..... | ..... | ..... | 9,200 | 00 |
| 25 | ..... | 25 | ..... | 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12 | ..... | ..... | ..... | 10,118 | 25 |
| 500 | 3 | 500 | 100 | 1000 | 1000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 115 | ..... | ..... | ..... | 2,089 | 05 |
| 50 | 1 | 50 | ..... | 80 | 1000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 25 | ..... | ..... | ..... | 10,000 | 75 |
| 4000 | 3 | 2500 | 200 | 3000 | 500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1000 | ..... | ..... | ..... | 1,290 | 75 |
| 4000 | 5 | 2500 | 500 | 4000 | 1000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 75 | ..... | ..... | ..... | 38,331 | 00 |
| 50 | ..... | 20 | ..... | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 43,143 | 75 |
| 20 | ..... | 5 | ..... | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 867 | 00 |
| ..... | ..... | 83 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 207 | 50 |
| 8600 | 21 | 2435 | 1964 | 5439 | 6200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 44144 | 6000 | 500 | ..... | 1,090 | 50 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 84,832 | 60 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,000 | 00 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 60 | 00 |
| 2000 | 20 | 2000 | 950 | 2000 | 3000 | 30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4000 | 200 | ..... | ..... | 31,458 | 75 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 850 | 00 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 60 | 00 |
| 2966 | 20 | 1434 | 2964 | 2700 | 2200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2160 | 100 | ..... | ..... | 40,344 | 50 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3,450 | 00 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 60 | 00 |
| 28356 | 90 1/2 | 15193 | 11798 | 23763 | 26725 | 515 | ..... | ..... | ..... | 4500 | 12000 | 47 | ..... | 159144 | 19355 | 1945 | ..... | 421,905 | 60 |

Halifax, St. John, United States and Yarmouth. About one-eighth of the amount of the fish in this return is used in the county.

RETURN showing the Number, Tonnage and Value of Vessels.

RECAPITULA

| Kinds of Fish. | Quantities. | Rate. | | Value. | |
|------------------------------|---------------------|-------|------|---------|--------|
| | | \$ | cts. | \$ | cts. |
| Salmon | | 15 | 00 | | |
| do Fresh, in ice..... | 4,200 lbs. at..... | 0 | 15 | 630 | 00 |
| do Smoked | 100 do "..... | 0 | 15 | | 15 00 |
| do in cans | | 0 | 15 | | |
| Mackerel..... | 5,422 brls. at..... | 10 | 00 | 54,220 | 00 |
| do in cans..... | | 0 | 15 | | |
| Herrings | 4,122 brls. at..... | 4 | 00 | 16,488 | 00 |
| do Smoked..... | 2,875 boxes "..... | 0 | 25 | | 718 75 |
| Alewives | 2 brls. "..... | 3 | 50 | | 7 00 |
| Cod..... | 28,356 cwt. "..... | 4 | 25 | 120,513 | 00 |
| Cod Tongues and Sounds | 90½ brls. "..... | 7 | 00 | | 633 50 |
| Pollack..... | 15,193 cwt. "..... | 3 | 50 | 53,175 | 50 |
| Hake | 11,798 do "..... | 3 | 50 | 41,293 | 00 |
| Haddock | 33,763 do "..... | 3 | 50 | 83,170 | 50 |

and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

TION.—DIGBY.

| Kinds of Fish. | Quantities. | Rate. | | Value. | |
|--------------------------|----------------------|-------|-------|----------------|-----------|
| | | \$ | cts. | \$ | cts. |
| Halibut..... | 26,725 lbs. at..... | 0 | 06 | 1,603 | 50 |
| Shad..... | 515 brls. "..... | 8 | 00 | 4,120 | 00 |
| Bass..... | ..... | 0 | 06 | ..... | ..... |
| Trout..... | 4,500 lbs. at..... | 0 | 06 | 270 | 00 |
| Smelt..... | 12,000 do "..... | 0 | 06 | 720 | 00 |
| Rela..... | 47 brls. "..... | 9 | 00 | 423 | 00 |
| Oysters..... | ..... | 3 | 00 | ..... | ..... |
| Lobsters, in cans..... | 159,144 lbs. at..... | 0 | 15 | 23,871 | 60 |
| Fish Oil..... | 19,355 galls. "..... | 0 | 65 | 12,580 | 75 |
| Fish Guano..... | ..... | 15 | 00 | ..... | ..... |
| Fish used as manure..... | 1,945 brls. at..... | 0 | 50 | 972 | 50 |
| Hake Sounds..... | 6,300 lbs. "..... | 1 | 00 | 6,300 | 00 |
| Fresh Fish..... | 6,000 do "..... | 0 | 03 | 180 | 00 |
| Total..... | ..... | ..... | ..... | 421,805 | 60 |

RETURN showing the Number, Tonnage and Value of Vessels and

| DISTRICT. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | |
|---|--|----------|--------|--------|------|--------|-------------------|----------|--------|-----|------------------|----------------------------|----------------------|----------------------|--------------------|--------------------|--------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon, Fresh in ice, lbs. | Salmon, Smoked, lbs. | Salmon in cans, lbs. | Mackerel, barrels. | Mackerel, in cans. | Herrings, barrels. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  | Value. |
| <i>Guysborough.</i> | | | \$ | | \$ | | | \$ | \$ | | | | | | | | |
| Fisherman's Harbour to Coddles Harbour..... | 4 | 111 | 5000 | 21 | 110 | 3700 | 160 | 10000 | 4500 | 3 | 300 | | | | 1152 | 350 | 2750 |
| New Harbour..... | | | | | 70 | 1820 | 130 | 7200 | 3600 | | | 1 | | | | 200 | 600 |
| Torbay to Charles' Cove..... | 1 | 43 | 1500 | 12 | 194 | 3880 | 360 | 16000 | 8000 | | | | | | | 240 | 350 |
| Charles Cove to Raspberry..... | | | | | 260 | 9000 | 295 | 20800 | 10400 | 2 | 300 | 20 | | | | 500 | 3250 |
| South Shore..... | | | | | 115 | 2300 | 165 | 13000 | 6500 | 19 | 3700 | 30 | | | | 50 | 200 |
| Canso, Dover, &c..... | 6 | 240 | 12000 | 30 | 164 | 11600 | 314 | 31200 | 15600 | 20 | 3600 | 40 | | | | 2500 | 2000 |
| Guysborough..... | 2 | 60 | 1200 | 10 | 100 | 3000 | 150 | 20000 | 10000 | 5 | 750 | 45 | | | | 250 | 500 |
| North Shore..... | | | | | 95 | 2750 | 135 | 18000 | 9000 | 4 | 400 | 20 | | | | 225 | 1350 |
| Strait of Canso..... | 4 | 199 | 6100 | 56 | 120 | 3000 | 180 | 24000 | 12000 | 6 | 600 | | | | | 2100 | 2000 |
| Green Island..... | | | | | 3 | 60 | 6 | | | 1 | 2000 | | | | | 100 | 150 |
| Fox Island..... | 1 | 50 | 1000 | | 3 | 60 | 8 | | | 1 | 2000 | | | | | 100 | 70 |
| Dover Bay..... | | | | | 3 | 60 | 8 | | | 1 | 1565 | | | | | 120 | 210 |
| Bickerton..... | | | | | 9 | 160 | 26 | 1260 | 441 | | | | | | | 64 | 300 |
| Holland's Harbour..... | | | | | 6 | 60 | 10 | 140 | 49 | | | | | | | 3 | 52 |
| Indian Harbour..... | 4 | 245 | 2409 | 20 | 46 | 460 | 29 | 1500 | 525 | | | | | | | 5 | 245 |
| Wine Harbour..... | | | | | 8 | 100 | 17 | 480 | 168 | | | 20 | 200 | | | 7 | 320 |
| St. Mary's..... | | | | | 40 | 632 | 140 | 1600 | 480 | | | 8 | 18200 | 8400 | | 80 | 385 |
| Gegogan..... | | | | | 13 | 204 | 16 | 480 | 144 | | | | 700 | | | | 120 |
| Little Liscombe..... | | | | | 14 | 350 | 28 | 1400 | 490 | | | 350 | | | | 24 | 145 |
| Spanish Bay..... | | | | | 6 | 150 | 19 | 280 | 98 | | | | | | | 10 | 56 |
| Big Liscomb..... | | | | | 16 | 320 | 34 | 320 | 112 | | | 600 | | | | 10 | 172 |
| Marie Joseph..... | | | | | 35 | 700 | 65 | 2400 | 840 | | | 400 | | | | 20 | 340 |
| Ecum Secum..... | | | | | 29 | 580 | 32 | 800 | 280 | | | 1015 | 700 | | | 75 | 409 |
| Total..... | 22 | 948 | 29509 | 149 | 1459 | 44946 | 2327 | 170860 | 96172 | 62 | 15215 | 184 | 20765 | 9800 | 1152 | 7033 | 15974 |

Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

| KINDS OF FISH. | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | WHERE MARKETED | | | | | |
|---|--------------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|----------------|----------------|-------------------|---------|----------------|-----------------|--------------------|-------------------|--|--|
| Herrings, Smoked, in boxes. | Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Sbad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, barrels. | Oysters, barrels. | | | Lobsters, cans. | Fish Oil, gallons. | Fish Guano, tons. | Fish used as Manure, barrels. | |
| 10 | 2000 | | | | 50 | 200 | 7500 | | | 2000 | | | | 196386 | 1000 | | | 54,758 00 | Halifax, United States and West Indies. One-eighth per cent. of whole amount used for Home Consumption. | |
| | 750 | | | | | 300 | 6000 | | | 1000 | | 5 | | | 375 | | | 9,361 25 | | |
| 10 | 2520 | 15 | | | | 840 | 12600 | | | 2000 | | 3 | | 181152 | 1260 | | | 46,484 80 | | |
| 50 | 1755 | 5 | 200 | 2600 | | | | | | 100 | 10 | | | 178272 | 872 | | | 63,226 35 | | |
| | 300 | 3 | 250 | 450 | | | | | | 600 | 5 | | | 110400 | 700 | | | 22,592 00 | | |
| 50 | 3120 | 50 | 100 | 2080 | 3110 | | | | | | | 10 | | 289784 | 2000 | | | 106,059 20 | | |
| 50 | 150 | 2 | 200 | 200 | | | | | | 1200 | 15 | | | | 175 | | | 7,722 25 | | |
| 10 | 120 | | 50 | 200 | | | | | | | | | | | 110 | | | 9,441 50 | | |
| | | 14 | 500 | 60 | | | | | | | | | | | 500 | | | 31,383 00 | | |
| | | | | | | | | | | | | | | | | | | 1,635 00 | | |
| | | | | | | | | | | | | | | | | | | 1,280 00 | | |
| 131 | | | | | | | | | | | | | | | 320 | | | 2,706 50 | | |
| 262 brls. Horse Mackerel, at \$4.00. | | | | | | | | | | | | | | | | | | 1,048 00 | | |
| 220 " Squib, at \$4 00 | | | | | | | | | | | | | | | | | | 880 00 | | |
| 4,625 " Small Mackerel, at \$3.00 | | | | | | | | | | | | | | | | | | 13,875 00 | | |
| | 273 | 4 | | 38 | 1600 | | | | | | | | | 59184 | 247 | | | 12,281 40 | | |
| | 28 | | | | | | | | | 300 | | | | | 28 | | | 393 20 | | |
| 9 | 765 | | | 160 | 1400 | | | | | 130 | 1400 | | | | 765 | | | 5,545 80 | | |
| | 42 | | | 10 | 900 | | | | | | | | | | 42 | | | 1,974 80 | | |
| | 450 | 5 | | 75 | 950 | | | | | 1200 | 1200 | 12 | | 60576 | 470 | | | 18,343 40 | | |
| | 250 | 4 | | 52 | 210 | | | | | 400 | | | | | 250 | | | 2,042 60 | | |
| 35 | 1085 | | | | 3420 | | | | | 450 | 1050 | | | 75984 | 960 | | | 17,923 05 | | |
| 4 | 264 | | | | 1100 | | | | | | 650 | | | | 264 | | | 1,736 60 | | |
| 25 | 865 | | | 20 | 4270 | | | | | 210 | | | | | 784 | | | 5,490 15 | | |
| | 2320 | | | 210 | 4674 | | | | | 225 | | | | 62652 | 2320 | | | 23,414 74 | | |
| 4 | 1025 | | | 200 | 1240 | | | | | 700 | | | | | 1025 | | | 8,496 15 | | |
| 398 | 18082 | 89 | 13 | 1350 | 7695 | 48974 | | | | 11415 | 4300 | 60 | | 1214372 | 14467 | | | 464,094 74 | | |

RECAPITULATION.—

| Kinds of Fish. | Quantities. | Rate. | Value. |
|-----------------------------|---------------------|---------------|------------------|
| Salmon | 184 brls., at..... | \$ cts. 15 00 | \$ cts. 2,760 00 |
| " Fresh, in ice..... | 20,765 lbs. " | 0 15 | 3,114 75 |
| " Smoked..... | 9,800 " " | 0 15 | 1,470 00 |
| " in cans..... | 1,152 " " | 0 15 | 172 80 |
| Mackerel..... | 7,033 brls. " | 10 00 | 70,330 00 |
| " in cans..... | " | 0 15 | ..... |
| Herrings..... | 15,974 " " | 4 00 | 63,896 00 |
| " Smoked, in boxes | " | 0 25 | ..... |
| Alwives..... | 398 " " | 3 50 | 1,393 00 |
| God..... | 18,082 cwt. " | 4 25 | 76,848 50 |
| God Tongues and Sounds..... | 89 brls. " | 7 00 | 623 00 |
| Pollack..... | 13 cwt. " | 3 50 | 45 50 |
| Hake..... | 1,350 " " | 3 50 | 4,725 00 |
| Haddock..... | 7,695 " " | 3 50 | 26,932 50 |
| Hallbut..... | 48,974 lbs. " | 0 06 | 2,938 44 |

GUYSBOROUGH.

| Kinds of Fish. | Quantities. | Rate. | | Value. | |
|--------------------------|------------------|-------|------|---------|------|
| | | \$ | cts. | \$ | cts. |
| Shad..... | at..... | 8 | 00 | | |
| Bass..... | "..... | 0 | 06 | | |
| Trout..... | 11,415 lbs. " | 0 | 06 | 684 | 90 |
| Smelt..... | 4,300 " " | 0 | 06 | 258 | 00 |
| Eels..... | 60 brls. " | 9 | 00 | 540 | 00 |
| Oysters..... | "..... | 3 | 00 | | |
| Lobsters..... | 1,214,372 cans " | 0 | 15 | 182,155 | 80 |
| Fish Oil..... | 14,467 galls " | 0 | 65 | 9,403 | 55 |
| Fish Guano..... | "..... | 15 | 00 | | |
| Fish used as Manure..... | "..... | 0 | 50 | | |
| Horse Mackerel..... | 262 brls. " | 4 | 00 | 1,048 | 00 |
| Squid..... | 220 " " | 4 | 00 | 880 | 00 |
| Small Mackerel..... | 4,625 " " | 3 | 00 | 13,875 | 00 |
| Total..... | | | | 464,094 | 74 |

RETURN showing the Number, Tonnage, and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

RECAPITULATION—HALIFAX COUNTY.

| Kinds of Fish. | Quantities. | Rate. | | Value. | |
|---------------------------------|------------------------|-------|------|---------|-------|
| | | \$ | cts. | \$ | cts. |
| Salmon..... | 50 barrels at..... | 15 | 00 | 750 | 00 |
| Salmon, Fresh, in ice..... | 77,524 lbs. | 0 | 15 | 11,628 | 60 |
| Salmon, Smoked..... | 10,330 " | 0 | 15 | 1,549 | 50 |
| Salmon, in cans..... | 1,288 cans | 0 | 15 | 193 | 20 |
| Mackerel..... | 39,332 barrels " | 10 | 00 | 393,320 | 00 |
| Mackerel, in cans..... | 68,140 cans " | 0 | 15 | 10,221 | 00 |
| Herrings..... | 17,116 barrels " | 4 | 00 | 68,464 | 00 |
| Herrings, Smoked, in boxes..... | ..... | 0 | 25 | ..... | ..... |
| Alewives..... | 560 barrels at | 3 | 50 | 1,960 | 00 |
| Cod..... | 40,268 cwt. " | 4 | 25 | 171,139 | 00 |
| Cod Tongues and Sounds | 182 barrels " | 7 | 00 | 1,274 | 00 |
| Pollack..... | 302 cwt. " | 3 | 50 | 1,057 | 00 |
| Hake..... | 8,680 " " | 3 | 50 | 30,380 | 00 |
| Haddock..... | 4,207 " " | 3 | 50 | 14,724 | 50 |

| | 154,102 lbs. | 0 06 | 9,246 12 |
|---|------------------------|-------|-------------------|
| Halibut | | | |
| Shad | | 8 00 | |
| Bass | | 0 06 | |
| Trout | 12,590 lbs. at | 0 06 | 755 40 |
| Smelt | 135,180 " | 0 06 | 8,110 80 |
| Eels | 337 barrels " | 9 00 | 3,033 00 |
| Oysters ..... | ..... | 3 00 | ..... |
| Lobsters | 1,284,036 cans " | 0 15 | 185,105 40 |
| Fish Oil | 29,486 galls. " | 0 65 | 19,165 90 |
| Fish Guano ..... | ..... | 15 00 | ..... |
| Fish used as Manure ..... | ..... | 0 50 | ..... |
| Fresh Fish sold in Halifax fish markets ..... | ..... | ..... | 25,000 00 |
| Consumed in Eastern District ..... | ..... | ..... | 9,878 28 |
| Total ..... | ..... | ..... | 966,955 70 |

RETURN showing the Number, Tonnage and Value of Vessels

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | | |
|-------------------|--|----------|--------|--------|------|--------|-------------------|----------|--------|-----|------------------|------------------------|----------------------|-----------------------|--------------------|-------------------------|--------------------|-----------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon, Fresh, in ice. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels. | Mackerel, in cans, lbs. | Herrings, barrels. | Herrings, Smoked, in boxes. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  |  | Value. |
| <i>Hants.</i> | | \$ | | | \$ | | | \$ | \$ | | | | | | | | | |
| Maitland | 1 | 16 500 | 6 | 4 | 170 | 8 | 825 | 280 | | | 19 | | | | | | | |
| Upper Selma | | | | 2 | 90 | 4 | 400 | 170 | | | 5 | | | | | | | |
| Lower Selma | | | | 2 | 100 | 4 | 415 | 175 | | | 7 | | | | | | | |
| Noel Shore | | | | | | | | | 1 | 200 | 3 | | | | | | | |
| Noel | | | | 3 | 190 | 6 | 850 | 275 | 1 | 275 | 10 | | | | | | | |
| Burncoat | | | | 2 | 110 | 4 | 450 | 185 | | | 4 | | | | | | | |
| Moose Brook | | | | 2 | 100 | 4 | 475 | 200 | 1 | 100 | 2 | | | | | | 40 | |
| Tennicape | | | | 4 | 210 | 8 | 890 | 300 | 1 | 50 | 1 | | | | | | 35 | |
| Walton | | | | 3 | 200 | 6 | 675 | 350 | | | 3 | | | | | | | |
| West Hants | | | | 18 | 450 | 23 | 3100 | 1150 | | | | 500 | | | | | | |
| Total | 1 | 16 500 | 6 | 40 | 1620 | 67 | 8080 | 3085 | 4 | 625 | 54 | 800 | | | | | 75 | |

NOTE.—Chiefly used for Home Consump

RECAPITULATION.—

| Kinds of Fish. | Quantities. | Rate. | Value. |
|------------------------------|------------------|---------|---------|
| | | \$ cts. | \$ cts. |
| Salmon | 54 brls. at..... | 15 00 | 810 00 |
| do Fresh, in ice | 500 lbs. " | 0 15 | 75 00 |
| do Smoked | " | 0 15 | |
| do in cans | " | 0 15 | |
| Mackerel | " | 10 00 | |
| do in cans | " | 0 15 | |
| Herrings | 75 brls. " | 4 00 | 300 00 |
| do Smoked, in boxes | " | 0 25 | |
| Alewives | " | 3 50 | |
| Cod | 159 cwt. " | 4 25 | 675 75 |
| Cod Tongues and Sounds | " | 7 00 | |
| Pollack | " | 3 50 | |
| Hake | " | 3 50 | |

and Boats engaged in the Fisheries, &c. —Nova Scotia—Continued.

| KINDS OF FISH. | | | | | | | | | | | FISH PRODUCTS. | | VALUE. | WHERE MARKETED. | | | | | |
|--------------------|-----------|-------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|-------------|----------------|-------------------|--------|-----------------|-----------------|------------------|-------------------|-------------------------------|------|
| Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, bris. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, barrels. | Oysters, barrels. | | | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, barrels. | |
| 25 | | | | | 20 | | 55 | | | | | | | | | | | \$ | cts. |
| 16 | | | | | | | 45 | | | | | | | | | | | 901 | 25 |
| 19 | | | | | | | 48 | | | | | | | | | | | 503 | 00 |
| 10 | | | | | | | 32 | 1000 | | | | | | | | | | 569 | 75 |
| 29 | | | | | 25 | | 80 | | | | | | | | | | | 403 | 50 |
| 20 | | | | | | | 47 | | | | | | | | | | | 1,000 | 75 |
| 25 | | | | | | | 90 | | | | | | | | | | | 521 | 00 |
| 15 | | | | | 10 | | 104 | | | | | | | | | | | 1,051 | 25 |
| | | | | | | | 80 | | | | | | | | | | | 1,050 | 75 |
| | | | | | | | 214 | | | 3800 | | | | | | | | 685 | 00 |
| | | | | | | | | | | | | | | | | | | 2,015 | 00 |
| 159 | | | | | 55 | | 795 | 1000 | | 3800 | | | | | | | | 8,701 | 25 |

tion. A small part shipped to Boston.

HANTS COUNTY.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|---------------------|--------------|---------|-----------------|
| | | \$ cts. | \$ cts. |
| Haddock | 55 cwt. at | 3 50 | 192 50 |
| Halibut | " | 0 06 | |
| Shad | 795 brls. " | 8 00 | 6,360 00 |
| Bass | 1,000 lbs. " | 0 06 | 60 00 |
| Trout | " | 0 06 | |
| Smelt | 3,800 lbs. " | 0 06 | 228 00 |
| Eels | " | 9 00 | |
| Oysters | " | 3 00 | |
| Lobsters | " | 0 15 | |
| Fish Oil | " | 0 65 | |
| Fish Guano | " | 15 00 | |
| Fish used as Manure | " | 0 50 | |
| Total | | | 8,701 25 |

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

| No. | COUNTERS. | KINDS OF FISH. | | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. \$ cts. | WHERE MARKETED. | | |
|-------------------|---------------------------------|------------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|-------------|----------------|-------------------|-----------------|--------------------|-------------------|------------------------------------|-------------------|-----------------|------------|---|
| | | God Tongues and Souds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Hallbut, lbs. | Shad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Refs, barrels. | Oysters, barrels. | Lobsters, cans. | Fish Oil, gallons. | Fish Guano, tons. | Fish used as Ma- nure, barrels. | | | | |
| <i>Inverness.</i> | | | | | | | | | | | | | | | | | | | | |
| 1 | Dousett Cove..... | | | 25 | 40 | 400 | | | | | | | | 145 | | | | | 3,595 75 | Halifax, N.S. |
| 2 | Chance Cove..... | | | 40 | 60 | 320 | | | | | | | | 130 | | | | | 3,315 95 | do |
| 3 | West side Margaree Harbour..... | 10 | | 77 | 190 | | | | | | | | | 887 | | | | | 18,109 05 | do |
| 4 | East side do..... | 5 | 29 | 89 | 213 | | | | | | | | | 877 | | | | | 12,051 05 | do |
| 5 | Coal Mines, B. C..... | | | 35 | 90 | | | | | | | | | 137 | | | | | 3,144 05 | do |
| 6 | Lake Ainslie and Loch Rain..... | | | | | | | 500 | 1640 | 30 | | | | | | | | | 398 40 | do |
| 7 | Margaree Forks..... | | | | | | | | | | | | | | | | | | 1,025 50 | do |
| 8 | Margaree Island..... | | | 80 | 50 | 500 | | | | | | | | 400 | | | | | 6,912 50 | Halifax and United States. |
| 9 | Broad Cove Marsh..... | | | 100 | 40 | 1000 | | | | | | | | 450 | | | | | 6,942 50 | do |
| 10 | Whale Cove..... | | | 20 | 40 | | | | | | | | | 20 | | | | | 1,218 00 | do |
| 11 | Port Bann..... | | | 10 | 20 | 300 | | | | | | | | 400 | | | | | 3,859 00 | do |
| 12 | Trout River..... | | | | | | | 500 | | | | | | | | | | | 30 00 | do |
| 13 | Cheticamp Point..... | 2 | | 1000 | 3000 | | | | | | | | | 8000 | | | | | 108,434 00 | Italy, Spain, Brazil, Jersey and Halifax. |
| 14 | E. Harbour..... | 1 | | 20 | 20 | | | | | | | | | 1900 | | | | | 30,378 25 | do |
| 15 | Big Pond, Cheticamp..... | 1 | | 10 | 125 | 1000 | | | | | | | | 972 | | | | | 15,286 55 | Cheticamp and Halifax. |
| 16 | Pleasant Bay, C.N..... | 1 | | 5 | 70 | | | | | 600 | 15 | | | 120 | | | | | 4,354 10 | do |
| 17 | Pollet's Cove, C.N..... | 1 | | 2 | 7 | | | | | | | | | 50 | | | | | 667 50 | do |
| 18 | Black Rock, Cheticamp..... | 1 | | 5 | 50 | | | | | | | | | 170 | | | | | 6,444 50 | do |
| 19 | Frier Head..... | 1 | | 12 | 80 | | | | | | | | | 700 | | | | | 10,642 00 | do |
| 20 | Delaney's Cove..... | 1 | | 3 | 7 | 62 | | | | | | | | 71 | | | | | 2,664 87 | do |
| 21 | Aucouin's Cove..... | | | | | | | | | | | | | 40 | | | | | 1,203 50 | do |
| 22 | Rock..... | | | | | | | | | | | | | 25 | | | | | 611 25 | do |
| 23 | E. Cheticamp..... | 14 | | 40 | 118 | | | | | | | | | 1881 | | | | | 47,652 90 | do |
| 24 | Parish of Cheticamp..... | | | | | | | 200 | | | 100 | | | 964 | | | | | 30,890 10 | Home consumption. |
| 25 | Parish of Margaree..... | | | | | | | | | | | | | 200 | | | | | 1,596 50 | do |
| 26 | N. E. Margaree..... | | | | | | | 4400 | | | 7 | | | | | | | | 627 00 | do |
| 27 | Port Hastings..... | | | | | | | | | | | | | 100 | | | | | 6,892 50 | Halifax and Boston. |
| 28 | Port Hawkesbury..... | | | | | | | | | | | | | 300 | | | | | 18,905 00 | do |

| | 2 | 800 | 400 | 50 | 300 | do |
|-------------------------|-----------|--------|-------|--------|-----|------------|
| 29 Port Hood..... | 21,209 00 | do | do | do | do | do |
| 30 Mabon..... | 3,960 00 | do | do | do | do | do |
| 31 Judique Banks..... | 4,662 50 | do | do | do | do | do |
| 32 Judique Banks..... | 2,662 50 | do | do | do | do | do |
| 33 Oreguish..... | 1,450 00 | do | do | do | do | do |
| 34 Low Point..... | 800 00 | do | do | do | do | do |
| 35 Whycoomah..... | 280 00 | do | do | do | do | do |
| 36 South Side..... | 320 00 | do | do | do | do | do |
| 37 L. Narrows..... | 240 00 | do | do | do | do | do |
| 38 Malsgawatch..... | 1,200 00 | do | do | do | do | do |
| 39 Marble Mountain..... | 1,212 50 | do | do | do | do | do |
| 40 Basia R. Dennis..... | 727 50 | do | do | do | do | do |
| 41 Boom..... | 485 00 | do | do | do | do | do |
| 42 North Mountain..... | 490 00 | do | do | do | do | do |
| 43 West Bay..... | 495 00 | do | do | do | do | do |
| 44 Red Banks..... | 2,435 00 | do | do | do | do | do |
| Totals..... | 24 | 29,243 | 4,850 | 3,682 | 560 | 2840 |
| | | 152 | 200 | 19,239 | | 395,971 27 |

Home consumption.

RECAPITULATION.—INVERNESS COUNTY.

| Kinds of Fish. | Quantities. | Rate. | Value. | Kinds of Fish. | Quantities. | Rate. | Value. |
|-----------------------------|---------------------|---------------|------------|--------------------------|----------------------|--------------|------------|
| Salmon..... | 179 brls. at..... | \$ cts. 15 00 | 2,688 00 | Haddock..... | 4,850 cwt. at..... | \$ cts. 3 50 | 16,975 00 |
| do Fresh, in ice..... | 7,534 lbs. "..... | 0 15 | 1,130 10 | Halibut..... | 3,682 lbs. "..... | 0 06 | 214 92 |
| do Smoked..... | "..... | 0 15 | | Shad..... | "..... | 8 00 | |
| do in cans..... | 40,000 lbs. at..... | 0 15 | 6,000 00 | Bass..... | "..... | 0 06 | |
| Mackerel..... | 10,012 brls. "..... | 10 00 | 100,120 00 | Trout..... | 5,600 lbs. at..... | 0 06 | 336 00 |
| do in cans..... | "..... | 0 15 | | Smeit..... | 2,840 do "..... | 0 06 | 170 40 |
| Herrings..... | 8,385 brls. at..... | 4 00 | 33,540 00 | Reis..... | 152 brls. "..... | 9 00 | 1,368 00 |
| do Smoked, in boxes..... | "..... | 0 25 | | Oysters..... | "..... | 3 00 | |
| Alewives..... | 892 brls. at..... | 3 50 | 3,112 00 | Lobsters..... | 200 cans at..... | 0 15 | 30 00 |
| Cod..... | 49,174 cwt. "..... | 4 25 | 208,989 50 | Fish Oil..... | "..... | 0 65 | 12,605 35 |
| Cod Tongues and Sounds..... | 24 brls. "..... | 7 00 | 168 00 | Fish Guano..... | 19,239 galls. "..... | 15 00 | |
| Pollack..... | 29 cwt. "..... | 3 50 | 101 50 | Fish used as Manure..... | "..... | 0 50 | |
| Hake..... | 2,433 do "..... | 3 50 | 8,515 50 | Total..... | "..... | | 395,971 27 |

*Fish used for consumption in the Parish of Cheticamp.

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | |
|-----------------------|--|----------|--------|--------|-----|--------|-------------------|----------|--------|-----|------------------|-----------------------------|----------------------|-----------------------|--------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  | Value. |
| <i>Kings.</i> | | | \$ | | | \$ | | | \$ | \$ | | | | | |
| Starr's Point..... | | | | | | 40 | 3000 | 800 | | | | | | | |
| Wolfville..... | | | | | 6 | 12 | 1200 | 350 | | | | | | | |
| Medford..... | | | | | | 14 | | | 7 | 700 | | | | | |
| Pereaux..... | | | | | | 20 | | | 6 | 600 | | | | | |
| Oak Island..... | | | | | | 8 | 1500 | 300 | | | | | | | |
| Hall's Harbour..... | 350 | 800 | | 12 | 40 | 480 | 60 | 2500 | 600 | 4 | 400 | 2200 | | | 500 |
| Chipman Brook..... | | | | | 8 | 100 | 16 | 320 | 100 | 2 | 200 | | | | 100 |
| Black Rock..... | | | | | 15 | 450 | 30 | 500 | 150 | 4 | 400 | 750 | | | 300 |
| Harbourville..... | | | | | 8 | 160 | 32 | 320 | 100 | 6 | 600 | 600 | | | 140 |
| Ogilvie Pier..... | 230 | 600 | | | 4 | 80 | 20 | | | 1 | 100 | | | | 25 |
| Victoria Harbour..... | | | | | 2 | 40 | 6 | | | 3 | 300 | | | | 15 |
| Morden Bay..... | | | | | 6 | 100 | 24 | | | 6 | 600 | 1500 | | | 200 |
| Baxter's Harbour..... | | | | | 20 | 240 | 40 | 800 | 240 | 2 | 200 | | | | 200 |
| Scots Bay..... | | | | | | 40 | 2000 | 1000 | | | | | | | |
| Porter's Point..... | | | | | | 4 | 800 | 240 | | | | | | | |
| Little Island..... | | | | | | 14 | 900 | 250 | | | | | | | |
| Gaspereaux..... | | | | | | | | | | | | 400 | | | |
| Cornwallis..... | | | | | | | | | | | | 100 | | | |
| North Alesford..... | | | | | | | | | | | | 200 | | | |
| South Alesford..... | | | | | | | | | | | | 100 | | | |
| Total..... | 580 | 1400 | | 12 | 109 | 1650 | 380 | 13840 | 4130 | 41 | 4100 | 5850 | | | 1480 |

NOTE.—Those exported are shipped to the United States.

RECAPITULATION.—

| Articles. | Quantities. | Rate. | Value. |
|-----------------------------|-------------|---------|-----------|
| | | \$ cts. | \$ cts. |
| Salmon..... | | 15 00 | |
| do Fresh, in ice..... | 5,850 lbs. | 0 15 | 877 50 |
| do Smoked..... | | 0 15 | |
| do in cans..... | | 0 15 | |
| Mackerel..... | 1,480 brls. | 10 00 | 14,800 00 |
| do in cans..... | | 0 15 | |
| Herrings..... | 7,255 brls. | 4 00 | 29,020 00 |
| do Smoked, in boxes..... | 1,490 boxes | 0 25 | 372 50 |
| Alewives..... | 2 brls. | 3 50 | 7 00 |
| Cod..... | 2,821 cwt. | 4 25 | 11,989 25 |
| Cod Tongues and Sounds..... | | 7 00 | |
| Pollack..... | 1,450 cwt. | 3 50 | 5,075 00 |
| Hake..... | | 3 50 | |
| Haddock..... | 2,300 cwt. | 3 50 | 8,050 00 |

Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

| KINDS OF FISH. | | | | | | | | | | | FISH PRODUCTS. | | VALUE. | WHERE MARKETED. | | | | | | | |
|--------------------|--------------------|-----------------------------|--------------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|----------------|-------------|--------|-----------------|-------------|----------------|-------------------|-----------------|--------------------|-------------------|-------------------------------|
| Mackerel, in cans. | Herrings, barrels. | Herrings, Smoked, in boxes. | Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | 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. |
| | | | | | | | | | | 300 | | | | | | | | 120 | | \$ 2,460 00 | |
| | | | | | | | | | | 50 | | | | | | | | 20 | | 410 00 | |
| | 490 | | | 21 | | | | | | 25 | | | | | | | | 40 | | 431 75 | |
| 125 | 1000 | | | | | | | | | | | | | | | | | 80 | | 790 00 | |
| | | | | | | | | | | 75 | | | | | | | | 30 | | 615 00 | |
| 3000 | | | | 1100 | | 200 | | 1000 | | | | | | | | | | 1300 | 720 | 27,410 00 | |
| 400 | | | | 100 | | 50 | | 300 | | | | | | | | | | 150 | 100 | 4,397 50 | |
| 600 | | | | 600 | | 600 | | | | | | | | | | | | 1000 | 800 | 11,212 50 | |
| 900 | | | | 100 | | | | | | | | | | | | | | 100 | 300 | 5,730 00 | |
| 200 | | | | 200 | | | | | | | | | | | | | | 200 | 100 | 2,080 00 | |
| 130 | | | | | | | | | | | | | | | | | | | | 670 00 | |
| 100 | | | | 100 | | | | | | | | | | | | | | 100 | 50 | 3,140 00 | |
| 1800 | | | | 600 | | 600 | | 1000 | | | | | | | | | | 1206 | 1000 | 18,630 00 | |
| | | | | | | | | | 1123 | | | | | | | | | | 200 | 9,084 00 | |
| | | | | | | | | | 100 | | | | | | | | | | 20 | 810 00 | |
| | | | | | | | | | 75 | | | | | | | | | | | 600 00 | |
| | | 2 | | | | | | | | | | | 4000 | 10 | | | | | | 397 00 | |
| | | | | | | | | | | | | 600 | 8000 | 3 | | | | | | 558 00 | |
| | | | | | | | | | | | | 300 | | | | | | | | 48 00 | |
| | | | | | | | | | | | | 100 | | | | | | | | 21 00 | |
| 7255 | 1490 | 2 | 2821 | | | 1450 | | 2300 | | 1748 | | 1000 | 12000 | 13 | | | 4050 | 3580 | | 89,494 75 | |

About one-fourth are consumed in the county.

KINGS COUNTY.

| Articles. | Quantities. | Rate. | Value. |
|--------------------------|---------------|---------|-----------|
| | | \$ cts. | \$ cts. |
| Halibut..... | at..... | 0 06 | |
| Shad..... | 1,748 brls. " | 8 00 | 13,984 00 |
| Bass..... | " " | 0 06 | |
| Trout..... | 1,000 lbs. " | 0 06 | 60 00 |
| Smelt..... | 12,000 " " | 0 06 | 720 00 |
| Eels..... | 13 brls. " | 9 00 | 117 00 |
| Oysters..... | " " | 3 00 | |
| Lobsters..... | " " | 0 15 | |
| Fish Oil, gallons..... | 4,050 brls. " | 0 65 | 2,632 50 |
| Fish Guano..... | " " | 15 00 | |
| Fish used as manure..... | 3,580 brls. " | 0 50 | 1,790 00 |
| Total..... | | | 89,494 75 |

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | KINDS OF FISH. | | | | | | | |
|-------------------|--|----------|--------|--------|-----|--------|-------------------|----------|--------|-------|----------------|-----------------------------|----------------------|----------------------|-----------------|--------------------|-----------------|-----------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, brls. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, bs. | Mackerel, brls. | Mackerel, in cans. | Herrings, brls. | Herrings, Smoked, in boxes. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  |  | Value. |
| <i>Lunenburg.</i> | | | | | | | | | | | | | | | | | | |
| 1 | From Lunenburg to | | | | | | | | | | | | | | | | | |
| | Cross Island..... | 45 | 2789 | 119525 | 590 | 335 | 13000 | 670 | 17690 | 19000 | 1 | 1200 | 200 | 150 | 2550 | 250 | 4000 | |
| 2 | Mahone Bay to Mur- | | | | | | | | | | | | | | | | | |
| | der Point & Islands. | 20 | 1089 | 53000 | 250 | 125 | 3750 | 7200 | 8100 | | | | 650 | 200 | 600 | | 2800 | |
| 3 | Labave River to Iron | | | | | | | | | | | | | | | | | |
| | Bound Island..... | 32 | 1869 | 89400 | 432 | 245 | 10058 | 16000 | 18900 | | | | 1100 | 800 | 1850 | | 2200 | |
| 4 | County line West to | | | | | | | | | | | | | | | | | |
| | W. side Labave River | 34 | 1870 | 85000 | 374 | 260 | 7800 | 12500 | 14100 | | | | 2850 | 1400 | 1700 | | 3500 | |
| 5 | Fish used in Western | | | | | | | | | | | | | | | | | |
| | District..... | 3 | 160 | 14000 | 37 | 60 | 900 | 120 | 1600 | 800 | 8 | 1600 | 8000 | 200 | 900 | | 20 | |
| 6 | Chester..... | 4 | 180 | 12000 | 40 | 50 | 750 | 100 | 1600 | 800 | 3 | 600 | 2000 | | 2000 | | | |
| 7 | Martin's River..... | | | | | | | | | | | | | | | | | |
| | Fox Point..... | 8 | | | | 25 | 375 | 50 | 800 | 400 | 10 | 2000 | 1000 | | 1000 | | | |
| 9 | Mill Cove..... | | | | | 40 | 600 | 80 | 400 | 200 | 6 | 1200 | 200 | | 1200 | | | |
| 10 | Lodge..... | | | | | 15 | 225 | 30 | 1200 | 600 | 12 | 1800 | 250 | | 600 | | | |
| 11 | North-West Cove..... | | | | | 30 | 450 | 60 | 4000 | 2000 | 6 | 1200 | 400 | | 1100 | | 50 | |
| 12 | Aspogan..... | 1 | 25 | 800 | 5 | 40 | 600 | 80 | 1200 | 600 | 10 | 2000 | 150 | | 500 | | 100 | |
| 13 | Sandy Beaches..... | | | | | 30 | 450 | 60 | 2500 | 1250 | 4 | 800 | 300 | | 300 | | 50 | |
| 14 | Blandford..... | | | | | 60 | 900 | 120 | 6000 | 3000 | 9 | 1800 | 400 | | 1300 | | 100 | |

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

| COUNTY. | KINDS OF FISH. | | | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | WHERE MARKED. |
|--|-----------------|-----------|-------------------------------|---------------|------------|---------------|---------------|-------------|------------|-------------|-------------|-------------|----------------|-----------------|------------------|-------------------|------------|--------------------------------|
| | Alewives, brls. | Cod, cwt. | Cod Tongues and Sounds, brls. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, brls. | Basg, lbs. | Trout, lbs. | Smelt, lbs. | Reis, brls. | (Ysters, brls. | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. |  |  | Fish used as Manure, brls. |
| <i>Lunenburg.</i> | | | | | | | | | | | | | | | | | | |
| 1 From Lunenburg to Cross Island..... | 10 | 39000 | 30 | 4000 | 3500 | 8000 | 102000 | ..... | 2500 | 2000 | 50 | ..... | 1500000 | 29625 | 55 | 250 | 311,381 25 | West Indies and U. S. |
| 2 Mahone Bay to Murder Point and Islands.... | 60 | 12000 | 10 | 650 | 720 | 1800 | 40000 | 5 | 5000 | 2500 | 25 | ..... | ..... | 8250 | 15 | 100 | 88,455 00 | do |
| 3 Lahave River to Iron Bound Island..... | 40 | 26000 | 18 | 1300 | 1350 | 3800 | 55000 | 10 | 2000 | 2000 | 30 | ..... | ..... | 17531 | 50 | 150 | 181,036 15 | do |
| 4 County line West to Bounty Lahave River. | 50 | 29000 | 16 | 2000 | 1950 | 5200 | 60000 | 20 | 4500 | 3000 | 50 | ..... | 40000 | 19928 | 50 | 200 | 211,676 70 | do |
| 5 Fish used in Western District..... | 50 | 1600 | 5 | ..... | ..... | 224 | ..... | ..... | 200 | ..... | 15 | ..... | 170000 | 800 | 30 | 40 | 6,000 00 | Halifax, Lunenburg & Portland. |
| 6 Chester..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 44,741 00 | do |
| 7 Martin's River..... | 70 | 1232 | ..... | ..... | ..... | 40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 600 | ..... | ..... | 8,311 00 | do |
| 8 Fox Point..... | ..... | ..... | ..... | ..... | 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10,325 00 | do |
| 9 Mill Cove..... | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12,100 00 | do |
| 10 Lodge..... | 10 | 100 | ..... | ..... | 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6,212 50 | do |
| 11 North-West Cove..... | 10 | ..... | ..... | ..... | ..... | 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11,584 00 | do |
| 12 Ashpotagan..... | 10 | 120 | ..... | ..... | ..... | 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6,181 50 | do |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | |
|---------------------|--|----------|--------|--------|-----|--------|-------------------|----------|--------|-----|------------------|-----------------------------|----------------------|------------------|-----------------------|--------------------|--------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans. | Mackerel, in barrels. | Mackerel, in cans. | Herrings, barrels. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  | Value. |
| <i>Pictou.</i> | | | \$ | | \$ | | | \$ | \$ | | | | | | | | |
| West Pictou..... | 1 | 12 | 250 | 3 | 43 | 224 | 67 | 1,060 | 1,430 | | | | | 1,020 | | 50 | 55 |
| Chance Harbour..... | | | | | 14 | 265 | 19 | 1,435 | 1,040 | | | | | 17,500 | | | 1 |
| Little Harbour..... | | | | | 14 | 150 | 19 | 1,720 | 1,300 | | | | | 16,430 | | | 74 |
| Big Island..... | | | | | 7 | 110 | 10 | 2,050 | 1,280 | | | | | 37,600 | | | 3 |
| North Beach..... | | | | | 4 | 55 | 6 | 880 | 450 | | | | | 9,500 | | | |
| Ponds..... | | | | | 7 | 68 | 11 | 1,190 | 736 | | | | | 13,500 | | 29 | 14 |
| Lismore..... | | | | | 4 | 65 | 6 | 1,080 | 780 | | | | | 14,450 | | 7 | 6 |
| Pictou Island..... | | | | | 27 | 772 | 33 | 672 | 258 | | | | | 2,500 | | | 211 |
| Total..... | 1 | 12 | 250 | 3 | 120 | 1,709 | 171 | 10,087 | 7,274 | | | | | 112,500 | | 86 | 364 |

RECAPITULATION—

| Kinds of Fish. | Quantities. | Rate. | Totals. |
|-----------------------------|--------------|---------|---------|
| | | \$ cts. | \$ cts. |
| Salmon..... | | | |
| do Fresh, in ice..... | 112,500 lbs. | at..... | 15 00 |
| do Smoked..... | | "..... | 0 15 |
| do in cans..... | | "..... | 0 15 |
| Mackerel..... | 86 barrels | "..... | 10 00 |
| do in cans..... | | "..... | 0 15 |
| Herrings..... | 364 " | "..... | 4 00 |
| do Smoked, in boxes..... | | "..... | 0 25 |
| Alewives..... | | "..... | 3 50 |
| Cod..... | 487 cwt. | "..... | 1 25 |
| Cod Tongues and Sounds..... | | "..... | 7 00 |
| Pollack..... | | "..... | 3 50 |
| Hake..... | 100 cwt. | "..... | 3 50 |
| Haddock..... | | "..... | 3 50 |

Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

| KINDS OF FISH. | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | WHERE MARKETED. | | | | |
|-----------------------------|--------------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|----------------|----------------|-------------------|--------|-----------------|-----------------|--------------------|-------------------|-------------------------------|
| Herrings, Smoked, in boxes. | Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | 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. |
| 100 | | | | | 40 | | | | | | | | | 12,000 | | | | \$ cts. | |
| 16 | | | | | | | | | | | 200 | 3 | | | 15 | | | 3,238 00 | Home consumption. |
| 31 | | | | | | | | | | 90 | 460 | 2 | | | 30 | | | 2,745 75 | do |
| | | | | | | | | | | | | 1 | | | | | | 2,962 75 | do |
| | | | | | | | | | | | | 1 | | | | | | 5,661 00 | do |
| | | | | | | | | | | | 300 | 150 | 5 | | | 85 | | 1,434 00 | do |
| 40 | | | | | 50 | | | | | 325 | 1,100 | 2 | | | 8 | | | 2,843 25 | do |
| | | | | | 10 | | | | | | | | | | | | | 2,405 20 | do |
| 300 | | | | | | | | | | | | | | | 260 | | | 2,663 00 | do |
| 487 | | | | | 160 | | | | | 715 | 1,910 | 14 | | 12,000 | 398 | | | 23,952 95 | |

PICTOU COUNTY.

| Kinds of Fish. | Quantities. | Rate. | Totals. |
|--------------------------|--------------------|---------|------------------|
| | | \$ cts. | \$ cts. |
| Halibut..... | at..... | 0 06 | ..... |
| Shad..... | "..... | 8 00 | ..... |
| Bass..... | "..... | 0 06 | ..... |
| Trout..... | 715 lbs. "..... | 0 06 | 42 90 |
| Smelt..... | 1,910 "..... | 0 06 | 114 60 |
| Eels..... | 14 barrels "..... | 9 00 | 126 00 |
| Oysters..... | "..... | 3 00 | ..... |
| Lobsters..... | 12,000 cans "..... | 0 15 | 1,800 00 |
| Fish Oil..... | 398 galls. "..... | 0 65 | 258 70 |
| Fish Guano..... | "..... | 15 00 | ..... |
| Fish used as manure..... | "..... | 0 50 | ..... |
| Total..... | | | 23,952 95 |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | | FISHING MATERIAL. | | | | | | | | | |
|----------------------------------|--|----------|--------|--------|-----|--------|------|-------------------|--------|--------|--------|---------------|-----------------------------|----------------------|-----------------------|-----------------|-------------------------|
| | Vessels. | | | Boats. | | | | Nets. | | Weirs. | | Salmon, brls. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, brls. | Mackerel, in cans, lbs. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. | Value. | | | | | | |
| <i>Queens.</i> | | | \$ | | | \$ | | \$ | \$ | | | | | | | | |
| Liverpool..... | 24 | 1071 | 32000 | 168 | 150 | 2400 | 300 | 5400 | 3000 | 1 | 500 | 100 | 15000 | | | 3200 | ..... |
| Port Medway.. | 16 | 480 | 38350 | 82 | 48 | 1200 | 86 | 3000 | 1920 | 1 | 500 | | 15021 | | | 431 | 1765 |
| Port Mouton..... | 3 | 78 | 4000 | 24 | 60 | 1600 | 120 | 1200 | 900 | 3 | 1400 | | | | | 1100 | 670 |
| Port Jolly..... | 1 | 28 | 500 | 7 | 20 | 400 | 30 | 180 | 150 | | | | | | | | |
| Port Lebert..... | 1 | 25 | 600 | 7 | 7 | 120 | 14 | 128 | 120 | | | | | | | | |
| Brooklyn..... | 1 | 28 | 1300 | 8 | 15 | 400 | 30 | 1200 | 600 | 1 | 500 | | 4000 | | | 100 | ..... |
| Coffin Island..... | 2 | 50 | 3000 | 16 | 30 | 600 | 60 | 2000 | 1000 | 1 | 500 | | | | | 300 | ..... |
| Eagle Head..... | | | | | 20 | 400 | 40 | 1200 | 400 | | | | | | | 40 | ..... |
| Blue Berry..... | | | | | 25 | 500 | 50 | 1050 | 350 | | | | | | | 70 | ..... |
| Pudding Pan..... | | | | | 16 | 320 | 35 | 1200 | 400 | | | | | | | 25 | ..... |
| Mills' Village..... | | | | | 70 | 480 | 70 | 1100 | 625 | | | | 7850 |  |  |  | ..... |
| Nest Head..... | 4 | 101 | 6000 | 24 | 50 | 1000 | 100 | 3600 | 2000 | 1 | 600 | | | | | 1000 | ..... |
| Greenfield..... | | | | | 5 | 50 | 10 | 100 | 100 | | | | 1500 |  |  |  | ..... |
| Hunt's Point..... | 1 | 30 | 400 | 5 | 12 | 300 | 24 | 540 | 450 |  |  |  |  |  |  |  | ..... |
| White Point..... | | | | | 11 | 225 | 22 | 720 | 480 |  |  |  |  |  |  |  | ..... |
| Somerville..... | | | | | 8 | 600 | 18 | 180 | 150 | | | | | | | 4 | ..... |
| Black Point to Halibut Cove.. | 3 | 150 | 4800 | 20 | | | | | | 5 | 8800 |  |  |  |  |  | ..... |
| Total..... | 56 | 2041 | 90950 | 361 | 547 | 10575 | 1009 | 22798 | 12645 | 8 | 12800 | 100 | 43371 | | | 6270 | 2435 |

RECAPITULATION.—

| Kinds of Fish. | Quantities. | Rate. | | Value. | |
|-----------------------------|--------------------|-------|------|---------|------|
| | | \$ | cts. | \$ | cts. |
| Salmon..... | 100 brls. at..... | 15 | 00 | 1,500 | 00 |
| do Fresh, in ice..... | 43,371 lbs. "..... | 0 | 15 | 6,505 | 65 |
| do Smoked..... | "..... | 0 | 15 | | |
| do in cans..... | "..... | 0 | 15 | | |
| Mackerel..... | 6,270 brls. "..... | 10 | 00 | 62,700 | 00 |
| do in cans..... | 2,435 cans "..... | 0 | 15 | 365 | 25 |
| Herrings..... | 5,274 brls. "..... | 4 | 00 | 21,096 | 00 |
| do Smoked, in boxes..... | "..... | 0 | 25 | | |
| Alewives..... | 120 "..... | 3 | 50 | 420 | 00 |
| Cod..... | 28,121 cwt. "..... | 4 | 25 | 119,514 | 25 |
| Cod Tongues and Sounds..... | "..... | 7 | 00 | | |
| Pollack..... | "..... | 3 | 50 | | |
| Hake..... | 1,607 cwt. "..... | 3 | 50 | 5,624 | 50 |
| Haddock..... | 1,890 "..... | 3 | 50 | 6,615 | 00 |
| Halibut..... | 52,433 lbs. "..... | 0 | 06 | 3,145 | 98 |

Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

| KINDS OF FISH | | | | | | | | | | FISH PRODUCTS. | | VALUE. | WHERE MARKETED. | | | | | | | | | | | | |
|-----------------|-----------------------------|-----------------|-----------|-------------------------------|---------------|------------|---------------|---------------|-------------|----------------|-------------|--------|-----------------|-------------|-------------|----------------|-----------------|------------------|-------------------|----------------------------|-----|-----|------------|--|-----------|
| Herrings, brls. | Herrings, Smoked, in boxes. | Alewives, brls. | Cod, cwt. | Cod Tongues and Sounds, brls. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, brls. | Bass, lbs. | Trout, lbs. | | | Smelt, lbs. | Eels, brls. | Oysters, brls. | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, brls. | | | | | |
| 1634 | 50 | 9770 | 300 | 360 | 51000 | 10 | 74000 | 4200 | 6897 | 118804 | 1300 | 150 | 40 | 1050 | 1800 | 180 | 200 | 180 | 2000 | 500 | 200 | 150 | 103,273 50 | England, West Indies, South America and United States. | |
| 888 | | 8933 | 367 | 590 | 1433 | | | | | | | | | | | | | | | | | | 73,769 28 | | |
| 450 | | 2200 | 100 | 125 | | | | | | | | | | | | | | | | | | | | | 41,583 00 |
| 12 | | 300 | 35 | 40 | | | | | | | | | | | | | | | | | | | | | 16,293 00 |
| 10 | | 160 | 10 | 10 | | | | | | | | | | | | | | | | | | | | | 8,496 00 |
| 60 | | 1050 | 70 | 200 | | | | | | | | | | | | | | | | | | | | | 7,930 00 |
| 300 | | 1680 | 300 | | | | | | | | | | | | | | | | | | | | | | 13,560 00 |
| 155 | | 135 | 25 | 25 | | | | | | | | | | | | | | | | | | | | | 1,885 75 |
| 140 | | 610 | 20 | 20 | | | | | | | | | | | | | | | | | | | | | 4,122 50 |
| 25 | | 183 | 20 | 20 | | | | | | | | | | | | | | | | | | | | | 1,384 75 |
| 1500 | 40 | | | | | | | | | | | | 40 | | | | | | | | | | | | 1,677 50 |
| 50 | 30 | 1600 | 200 | 400 | | | | | | | | | 25 | | | | | | | | | | | | 26,200 00 |
| 30 | | 800 | 75 | 75 | | | | | | | | | | | | | | | | | | | | | 555 00 |
| 20 | | 400 | 60 | 90 | | | | | | | | | | | | | | | | | | | | | 4,460 00 |
| | | 300 | 25 | 25 | | | | | | | | | | | | | | | | | | | | | 2,475 00 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1,667 50 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 2,100 00 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 356 00 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 780 00 | |
| 5274 | 120 | 28121 | 1607 | 1890 | 52433 | 185 | 452804 | 18847 | | | | | | | | | | | | | | | | 312,558 78 | |

QUEENS COUNTY.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|---------------------------------|---------------|---------|------------|
| | | \$ cts. | \$ cts. |
| Shad | " | 8 00 | |
| Bass | " | 0 06 | |
| Trout | " | 0 08 | |
| Smelt | " | 0 06 | |
| Eels | 185 brls. | 9 00 | 1,665 00 |
| Oysters | " | 3 00 | |
| Lobsters | 452,804 cans | 0 15 | 67,920 60 |
| Fish Oil | 18,847 galls. | 0 65 | 12,250 55 |
| Fish Guano | " | 15 00 | |
| Fish used as Manure | " | 0 50 | |
| Fresh Salmon used in the County | 14,000 lbs. | | 2,100 00 |
| Albacore, caught in traps | 89 brls. | 4 00 | 356 00 |
| Clams, dug in Queen's County | 230 " | | 780 00 |
| Total | | | 312,558 78 |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | |
|-------------------------------------|--|----------|--------|--------|-----|--------|-------------------|----------|--------|-----|------------------|-----------------------------|----------------------|-----------------------|-----------------|--------------------|-----------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs | | Salmon, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, brls. | Mackerel, in cans. | Herrings, brls. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  | Value. |
| <i>Richmond.</i> | | | | | | | | | | | | | | | | | |
| Fourchie | 1 | 56 | 600 | 4 | 68 | 2380 | 200 | 5440 | 2176 | | | | | | | | |
| Framboise | | | | | 16 | 320 | 38 | 2560 | 1024 | | | | | | 80 | | 448 |
| St. Esprit | | | | | 7 | 224 | 18 | 2100 | 840 | | | | | | 49 | | 280 |
| Larcherique | | | | | 13 | 520 | 28 | 3120 | 1248 | | | | | | 104 | | 390 |
| Grand River | | | | | 32 | 1280 | 64 | 11200 | 4480 | | 11 | | | | 224 | | 1600 |
| Point Machew | | | | | 24 | 640 | 55 | 6800 | 3500 | | | | | | 220 | | 700 |
| L'Ardoise | 1 | 38 | 1500 | 9 | 156 | 3800 | 330 | 16500 | 3600 | | 30 | | | | 1100 | | 2400 |
| St. Peter's Island | | | | | 42 | 672 | 80 | 3580 | 1790 | | | | | | 309 | | 207 |
| St. Peters | 1 | 65 | 1600 | 10 | 46 | 700 | 92 | 7360 | 1840 | | 5 | | | | 230 | | 500 |
| River Bourgeoise | 46 | 1300 | 39100 | 360 | 15 | 300 | 36 | 1000 | 500 | | | | | | 200 | | 400 |
| Arichat | 2 | 50 | 2000 | 10 | 80 | 1600 | 160 | 4000 | 2000 | | | | | | 800 | | 1500 |
| Arichat, West | | | | | 100 | 2000 | 200 | 4000 | 2000 | | | | | | 400 | | 300 |
| Petit de Grat | 10 | 350 | 6200 | 70 | 84 | 1600 | 230 | 4000 | 2000 | | 28 | 500 | | | 300 | | 800 |
| Cape Hogan | | | | | 40 | 800 | 60 | 2400 | 1200 | | | 100 | | | 60 | | 500 |
| Port Royal | | | | | 14 | 280 | 35 | 800 | 400 | | | | | | 100 | | 40 |
| Descousse | 12 | 480 | 7000 | 100 | 10 | 400 | 20 | 2000 | 1000 | | | 400 | | | 200 | | 100 |
| Lower Descousse | 6 | 240 | 2400 | 50 | 5 | 100 | 10 | 1000 | 500 | | | | | | 200 | | 200 |
| Polimand | 3 | 120 | 2800 | 21 | 3 | 60 | 5 | 750 | 375 | | | | | | 50 | | 50 |
| Port Richmond | 2 | 75 | 1200 | 10 | 15 | 200 | 20 | 3000 | 1500 | | | 500 | | | 200 | | 100 |
| Cape Le Rond | | | | | 30 | 900 | 60 | 6000 | 3000 | | | | | | 300 | | 500 |
| Rocky Bay | | | | | 31 | 930 | 62 | 4000 | 2000 | | | 300 | | | 750 | | 1000 |
| Little Antz | | | | | 36 | 1080 | 80 | 5000 | 2500 | | | | | | 360 | | 750 |
| Gros Nez | | | | | 60 | 1200 | 120 | 5000 | 2500 | | 10 | 200 | | | 300 | | 700 |
| River Inhabitants and Basin | 1 | 38 | 800 | 4 | 40 | 700 | 60 | 8000 | 4000 | | 10 | 1000 | | | 500 | | 200 |
| Black River | 1 | 30 | 1200 | 6 | 21 | 126 | 21 | 800 | 400 | | | | | | 4 | | 100 |
| Martinique and Lennox Passage | 1 | 30 | 400 | 3 | 6 | 120 | 12 | 600 | 300 | | | | | | | | 100 |
| Totals | 87 | 2872 | 66800 | 657 | 994 | 22932 | 2096 | 110810 | 46673 | | 94 | 3400 | | | 7244 | | 14205 |

RECAPITULATION.—

| Kinds of Fish. | Quantities. | Rate. | Value. |
|------------------------------|----------------------|---------|------------|
| | | \$ cts. | \$ cts. |
| Salmon | 94 brls. at | 15 00 | 1,410 00 |
| do Fresh, in ice | 3,400 lbs. " | 0 15 | 510 00 |
| do Smoked | " | 0 15 | |
| do in cans | " | 0 15 | |
| Mackerel | 7,244 brls. " | 10 00 | 72,440 00 |
| do in cans | " | 0 15 | |
| Herrings | 14,205 brls. " | 4 00 | 56,820 00 |
| do Smoked, in boxes | " | 0 25 | |
| Alewives | 417 brls. " | 3 50 | 1,459 50 |
| Cod | 29,587 cwt. " | 4 25 | 125,744 75 |
| Cod Tongues and Sounds | 201 brls. " | 7 00 | 1,407 00 |
| Pollack | 10 cwt. " | 3 50 | 35 00 |
| Hake | 600 " | 3 50 | 2,100 00 |
| Haddock | 13,050 " | 3 50 | 45,675 00 |

Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

| KINDS OF FISH. | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | WHERE MARKETED. | | | | |
|-----------------------------|-----------------|-----------|-------------------------------|---------------|------------|---------------|---------------|-------------|------------|-------------|----------------|-------------|----------------|--------|-----------------|-----------------|------------------|-------------------|----------------------------|
| Herrings, Smoked, in boxes. | Alewives, brls. | Cod, cwt. | Cod Tongues and Sounds, brls. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, brls. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, brls. | Oysters, brls. | | | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, brls. |
| | 3400 | | | | | 136 | | | | | | | | 35000 | 1700 | | | \$ cts. | |
| | 192 | | | | | | | | | | | | | | 96 | | | 24,681 00 | Halifax. |
| | 84 | | | | | | | | | | | | | | 42 | | | 3,470 40 | do |
| | 156 | | | | | | | | | | | | | | 78 | | | 1,994 30 | do |
| | 100 | | | | | | | | | | | | | | 50 | | | 3,313 70 | do |
| 20 | 300 | 7 | | | | 100 | | | | | | | | | 200 | | | 9,262 50 | do |
| 20 | 2400 | | | | | 3500 | | | | | | | | | 2800 | | | 6,874 00 | do |
| | 110 | | | | | 324 | | | | | | | | | 100 | | | 45,260 00 | do |
| | | | | | | | | | | | | | | | | | | 7,234 50 | do |
| | | | | | | | | | | | | | | | | | | 4,465 00 | do |
| 20 | 6000 | | | | | 1150 | 200 | | | | | 5 | | | 2500 | | | 31,877 00 | do |
| | 2200 | 5 | 100 | | | 2500 | 800 | | | | | | | 146544 | 2000 | | | 55,814 60 | |
| 60 | 500 | 6 | 100 | | | 1000 | 500 | | | | | 5 | | | 800 | | | 12,082 00 | |
| 40 | 3000 | | | | 130 | 1700 | | | | | | | | | 2000 | | | 27,290 00 | |
| 10 | 500 | 3 | | | | 500 | | | | | | | | | 400 | | | 6,806 00 | |
| 10 | 100 | | 20 | | | 300 | 150 | | | 100 | 10000 | 50 | | | 250 | | | 3,967 50 | |
| 20 | 5000 | 100 | 50 | | 50 | 200 | 4000 | | | | | 50 | | 63192 | 2400 | | | 36,633 80 | |
| | 2500 | 50 | 100 | | | 1600 | | | | | | | | | 1200 | | | 15,001 00 | |
| | 1250 | 20 | | | | 1000 | | | | | | | | | 600 | | | 6,602 50 | |
| 50 | 100 | 5 | 5 | 20 | | 100 | 200 | 5 | | 200 | 500 | 10 | | | 100 | | | 3,796 50 | |
| 15 | 150 | | 5 | 20 | | 50 | 400 | | | | | | | | 75 | | | 6,079 25 | |
| 30 | 100 | | | | | 50 | 300 | | | | | 2 | | | 50 | | | 12,318 50 | |
| | 750 | 3 | | 50 | | 800 | | | | | | | | | 750 | | | 13,271 00 | |
| | 100 | | | | | 40 | | | | | | | | | 60 | | | 6,584 00 | |
| | 100 | 20 | 2 | 10 | | 200 | | | | 500 | 2000 | 50 | | | 80 | | | 7,936 00 | |
| | 5 | 75 | | | | | | | | 400 | 1000 | 20 | | | | | | 1,040 25 | |
| | 17 | 500 | | | | 400 | | | | 200 | 500 | 15 | | | | | | 4,361 50 | |
| 417 | 29587 | 201 | 10 | 609 | 13050 | 9150 | 5 | 1400 | 14000 | 213 | 30 | 252736 | 18131 | | | | | 360,816 80 | |

Halifax, Quebec, United States and South America.

RICHMOND COUNTY.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|---------------------|-----------------|---------|------------|
| | | \$ cts. | \$ cts. |
| Halibut | 9,150 lbs. at | 0 06 | 549 00 |
| Shad | 5 brls. " | 8 00 | 40 00 |
| Bass | " " | 0 06 | ..... |
| Trout | 1,400 lbs. " | 0 06 | 84 00 |
| Smelt | 14,000 " | 0 06 | 840 00 |
| Eels | 213 brls. " | 9 00 | 1,917 00 |
| Oysters | 30 " | 3 00 | 90 00 |
| Lobsters | 252,736 cans " | 0 15 | 37,910 40 |
| Fish Oil | 18,131 galls. " | 0 65 | 11,785 15 |
| Fish Guano | " " | 15 00 | ..... |
| Fish used as Manure | " " | 0 50 | ..... |
| Total | | | 360,816 80 |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | |
|-----------------------------|--|----------|--------|--------|-----|--------|-------------------|----------|--------|-----|------------------|----------------------------|----------------------|-----------------------|--------------------|--------------------|--------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels. | Mackerel, in cans. | Herrings, barrels. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  | Value. |
| <i>Shelburne.</i> | | \$ | | | \$ | | | \$ | \$ | | | | | | | | |
| Jordan Bay | 1 | 60 | 3000 | 14 | 24 | 1500 | 37 | 2500 | 875 | | | | | 108 | | 360 | |
| West Side, Jordan Ferry | 2 | 129 | 6000 | 28 | 27 | 900 | 72 | 1700 | 595 | | | | | 178 | | 610 | |
| Wood's Harbour | 7 | 240 | 7000 | 61 | 86 | 1160 | 101 | 2880 | 1008 | 5 | 5800 | | | 1230 | | 200 | |
| Shag Harbour | 8 | 245 | 7300 | 96 | 50 | 1300 | 60 | 6000 | 1500 | | | | | 600 | | 300 | |
| Bear Point | 3 | 100 | 3400 | 30 | 25 | 180 | 28 | 4200 | 1470 | | | | | 90 | | 150 | |
| West Barrington | 17 | 378 | 11000 | 100 | 9 | 200 | 15 | 1800 | 600 | | | | | 160 | | 200 | |
| Port Latour | 2 | 100 | 5800 | 20 | 155 | 2850 | 158 | 8000 | 2800 | 1 | 2000 | | | 300 | | 725 | |
| Bacarro | | | | | | | | | | | | | | | | | |
| Cape Island | 17 | 765 | 22500 | 170 | 86 | 2560 | 162 | 6000 | 2100 | 13 | 14800 | | | 6120 | | 2060 | |
| Blanch | | | | | | | | | | | | | | | | | |
| Upper Port Latour | 7 | 280 | 14000 | 63 | 43 | 810 | 106 | 2700 | 949 | | | | | 230 | | 625 | |
| Cape Negro | 6 | 450 | 22200 | 49 | 55 | 1550 | 100 | 4500 | 1575 | 1 | 1929 | | | 470 | | 1574 | |
| East Blanch | | | | | | | | | | | | | | | | | |
| Port Clyde | 9 | 314 | 12600 | 91 | 15 | 750 | 30 | 900 | 360 | | | | | 100 | | 450 | |
| North-West Harb'r | 4 | 203 | 8700 | 49 | 6 | 240 | 18 | 480 | 168 | 1 | 600 | | | 84 | | 307 | |
| Black Point | 1 | 45 | 3000 | 14 | 8 | 600 | 24 | 800 | 280 | | | | | | | | |
| North-East Harb'r | 1 | 30 | 800 | 7 | 12 | 900 | 32 | 1800 | 630 | 1 | 1000 | | | | | 600 | |
| Red Head | | | | | | | | | | | | | | | | | |
| Cape Negro Island | | | | | 8 | 450 | 16 | 800 | 280 | | | | | 250 | | 590 | |
| Roseway | | | | | 25 | 2000 | 75 | 2500 | 850 | | | | | 125 | | 1200 | |
| McNutt's Island | | | | | | | | | | | | | | | | | |
| West Shelburne | 1 | 59 | 2500 | 12 | 44 | 1794 | 43 | 1560 | 546 | | | | | 115 | | 1300 | |
| East Shelburne | 9 | 416 | 17000 | 83 | 24 | 700 | 50 | 4000 | 1400 | | | | | 100 | | 1240 | |
| Lockeport | 29 | 1700 | 95000 | 320 | 40 | 3200 | 100 | 3500 | 2000 | 1 | 1500 | | | 800 | | 1200 | |
| Fish consumed in the County | | | | | | | | | | | | | | | | | |
| Total | 124 | 5515 | 241800 | 1207 | 742 | 23644 | 1227 | 56020 | 19986 | 23 | 27629 | | | 11052 | | 13691 | |

RECAPITULATION.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|------------------------|--------------|----------|------------|
| Salmon | at | \$ 15 00 | \$ |
| do Fresh, in ice, lbs. | " | 0 15 | |
| do Smoked | " | 0 15 | |
| do in cans | " | 0 15 | |
| Mackerel | 11,052 brls. | 10 00 | 110,520 00 |
| do in cans | " | 0 15 | |
| Herrings | 13,691 brls. | 4 09 | 54,764 00 |
| do Smoked, in boxes | " | 0 25 | |
| Alewives | 130 brls. | 3 50 | 455 00 |
| Cod | 96,972 cwt. | 4 25 | 412,131 00 |
| Cod Tongues and Sounds | " | 7 00 | |
| Pollack | 4,750 cwt. | 3 50 | 16,625 00 |
| Hake | 100 " | 3 50 | 350 00 |
| Haddock | 5,570 " | 3 50 | 19,495 00 |

Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

| KINDS OF FISH. | | | | | | | | | | FISH PRODUCTS. | | VALUE. | WHERE MARKETED. | | | | | | |
|-----------------------------|--------------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|------------|----------------|-------------|--------|-----------------|----------------|-------------------|-----------------|--------------------|-------------------|-------------------------------|
| Herrings, Smoked, in boxes. | Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | 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. |
| | | 4025 | | | | 75 | | | | | | | | | 1575 | | | \$ cts. | |
| | 25 | 3945 | | | | 95 | | | | | | 15 | | | 3400 | | | 20,832 50 | Halifax and Lockeport |
| | | 2500 | | 200 | | 300 | | | | | | | | 425000 | 750 | | | 23,751 25 | Portland & |
| | | 3450 | | 50 | | 50 | | | | | | | | | 560 | | | 89,712 50 | Halifax. |
| | | 1800 | | | | 50 | | | | | | | | 196000 | 600 | | | 27,576 50 | Halifax. |
| | 75 | 2600 | | 30 | | 200 | | | | | | | | | 1200 | | | 39,115 00 | do |
| | 30 | 1400 | | 2500 | | 840 | | | | | | | | | 2640 | | | 15,297 50 | do |
| | | 9373 | | 100 | | 250 | | | | | | | | 255000 | 5000 | | | 25,361 00 | do |
| | | 5905 | | 100 | | 150 | | | | | | 10 | | | 4000 | | | 152,000 25 | Portland & Halifax. |
| | | 7722 | | 1020 | | 2060 | | | | | | | | 139000 | 4435 | | | 33,461 25 | Halifax. |
| | | 6900 | | | | | | | | | | | | | 3380 | | | 78,327 25 | do |
| | | 1880 | | | | | | | | | | | | | 915 | | | 31,322 00 | do |
| | | 1500 | | | | | | | | | | | | | 540 | | | 10,632 75 | do |
| | | 850 | | 250 | | 60 | | | | | | | | | 825 | | | 6,726 00 | do |
| | | 400 | | 50 | | 20 | | | | | | | | | 200 | | | 7,633 75 | do |
| | | 2500 | | 50 | | 200 | | | | | | | | | 1250 | | | 6,935 00 | do |
| | | 1800 | | | | 300 | | | | | | | | | 865 | | | 18,362 50 | do |
| | | 7422 | | | | 800 | | | | | | | | 97000 | 2540 | | | 15,612 25 | do |
| | | 31000 | | 400 | 100 | 120 | 30000 | | | | | | | 87024 | 30000 | | | 56,504 50 | do |
| | | | | | | | | | | | | | | | | | | 181,073 60 | do |
| | | | | | | | | | | | | | | | | | | 25,000 00 | |
| | 130 | 96972 | | 4750 | 100 | 5570 | 30000 | | | | | 25 | 1199024 | 64675 | | | | 863,257 35 | |

SHELBURNE COUNTY.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|-----------------------|------------------|---------|------------|
| | | \$ cts. | \$ cts. |
| Halibut | 30,000 lbs. at | 0 06 | 1,800 00 |
| Shad | " | 8 00 | |
| Bass | " | 0 06 | |
| Trout | " | 0 06 | |
| Smelt | " | 0 06 | |
| Eels | 25 brls. " | 9 00 | 225 00 |
| Oysters | " | 3 00 | |
| Lobsters | 1,199,024 cans " | 0 15 | 179,853 60 |
| Fish Oil | 64,675 galls. " | 0 65 | 42,038 75 |
| do Guano | " | 15 00 | |
| do used as Manure | " | 0 50 | |
| do used in the County | " | | 25,000 00 |
| Total | | | 863,257 35 |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL | | | | | | | | | | | | |
|--------------------------|--|----------|--------|--------|-----|--------|------------------|----------|--------|-----|--------|------------------|-----------------------------|----------------------|-----------------------|--------------------|--------------------|--------------------|-----------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | | | | | | | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. | Value. | Salmon, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels. | Mackerel, in cans. | Herrings, barrels. | Herrings, Smoked, in boxes. |
| <i>Victoria.</i> | | | \$ | | | \$ | | \$ | | \$ | | | | | | | | | |
| New Campbellton..... | 4 | 90 | 1200 | 16 | 25 | 500 | 50 | 800 | 400 | | | 1 | | | | 40 | | 100 | |
| Great Bras d'Or..... | | | | | 30 | 600 | 60 | 870 | 435 | | | 15 | | | | 65 | | 100 | |
| Boulaider | | | | | 4 | 80 | 8 | 80 | 40 | | | 1 | | | | | | | |
| French River | | | | | 13 | 260 | 26 | 300 | 150 | | | 15 | | | | 20 | | 100 | |
| North Shore..... | | | | | 12 | 240 | 24 | 300 | 150 | | | | | | | 40 | | 150 | |
| English Town..... | 1 | 50 | 400 | 6 | 80 | 1600 | 160 | 4000 | 2200 | | | 20 | | | | 110 | | | |
| Grand Narrows..... | | | | | 12 | 240 | 24 | 240 | 120 | | | | | | | | | 10 | |
| Wreck Cove..... | | | | | | | | | | | | | | | | | | | |
| St. Ann's Bay..... | | | | | | | | | | 1 | 1800 | | | | | 325 | | | |
| Fish used in District... | | | | | | | | | | | | | | | | | | | |
| Bay St. Lawrence..... | | | | | 20 | 400 | 40 | 1200 | 360 | | | 10 | | | | 10 | | 150 | |
| North Harbour..... | 2 | 30 | 800 | 10 | 17 | 272 | 35 | 840 | 336 | | | 6 | | | | | | | |
| White Point..... | | | | | 43 | 1254 | 86 | 1440 | 369 | | | 42 | | | | 13 | | | |
| New Haven..... | | | | | 13 | 260 | 26 | 1470 | 490 | | | | | | | 15 | | 10 | |
| Neil's Harbour..... | | | | | 25 | 450 | 50 | 1500 | 600 | | | | | | | 120 | | 60 | |
| South Bay..... | 1 | 15 | 400 | 5 | 60 | 1200 | 120 | 3600 | 1440 | | | 19 | | | | 500 | | 160 | |
| Green Cove..... | | | | | 20 | 360 | 40 | 1800 | 720 | | | 5 | | | | 20 | | 150 | |
| Ingonish..... | 1 | 15 | 500 | 5 | 50 | 1260 | 100 | 3300 | 1320 | | | 58 | | | | 600 | | 100 | |
| Fish used in District... | | | | | | | | | | | | | | | | | | | |
| Total..... | 9 | 200 | 3300 | 42 | 424 | 8976 | 849 | 21740 | 9121 | 1 | 1800 | 192 | | | | 1878 | | 1090 | |

RECAPITULATION

| Kinds of Fish. | Quantities. | Rate. | Value. |
|-----------------------------|-----------------------------|---------|-----------|
| | | \$ cts. | \$ cts. |
| Salmon..... | 192 brls. fat..... | 15 00 | 2,880 00 |
| do Fresh, in ice..... | " " " " " " " " | 0 15 | |
| do Smoked..... | " " " " " " " " | 0 15 | |
| do in cans..... | " " " " " " " " | 0 15 | |
| Mackerel..... | 1,878 " " " " " " " " | 10 00 | 18,780 00 |
| do in cans..... | " " " " " " " " | 0 15 | |
| Herrings..... | 1,090 " " " " " " " " | 4 00 | 4,360 00 |
| do Smoked, in boxes..... | " " " " " " " " | 0 25 | |
| Alewives..... | " " " " " " " " | 3 50 | |
| Cod..... | 19,460 cwt. " " " " " " " " | 4 25 | 82,705 00 |
| Cod Tongues and Sounds..... | ½ brl. " " " " " " " " | 7 00 | 3 50 |
| Pollack..... | " " " " " " " " | 3 50 | |
| Hake..... | 5 cwt. " " " " " " " " | 3 50 | 17 50 |
| Haddock..... | 2,237 " " " " " " " " | 3 50 | 7,829 50 |

Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

| KINDS OF FISH. | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | WHERE MARKETED. | | | | | |
|--------------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|----------------|----------------|-------------------|--------|-----------------|-----------------|--------------------|-------------------|-------------------------------|------------------------|
| Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | 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. | |
| | 1100 | | | | 300 | | | | | | | | | 500 | | | | \$ cts. | |
| | 1000 | | | | 300 | | | | | | | | | 900 | | | | 6,865 00 | Halifax. |
| | 10 | | | | | | | | | | | | | 10 | | | | 7,160 00 | do |
| | 300 | | | | 300 | | | | | | | | | 250 | | | | 64 00 | do |
| | 120 | | | | | | | | | | | | | 100 | | | | 3,312 50 | do |
| | 960 | | | | 275 | | | | | | | | | 450 | | | | 1,575 00 | do |
| | 250 | | | | | | | | | | | | | 60 | | | | 1,735 00 | do |
| | 200 | | | | 100 | | | | | | | | | 100 | | | | 1,141 50 | do |
| | 258 | | | | | | | | | | | | | | | | | 1,265 00 | do |
| | | | | | | | | | | | | | | | | | | 4,346 50 | do |
| | | | | | | | | | | | | | | | | | | 1,500 00 | |
| | 1700 | | | | | | | | | | | | | 600 | | | | 8,465 00 | do |
| | 550 | | | | 25 | | | | | | | | | 160 | | | | 2,619 00 | do |
| | 2000 | | | 5 | 62 | 500 | | | | | | | | 430 | | | | 9,804 00 | H'f'x, Arichat, Sydney |
| | 2200 | | | | | | | | | | | | | 800 | | | | 10,063 50 | Halifax. |
| | 1852 | | | | 260 | | | | | | | | | 800 | | | | 10,741 00 | do |
| | 3210 | | | | 215 | | | | | | | | | 1500 | | | | 21,295 00 | Halifax and Arichat. |
| | 1000 | | | | 150 | | | | | | | | | 500 | | | | 5,975 00 | Halifax. |
| | 2750 | | | | 250 | | | | | | | | | 1000 | | | | 20,482 50 | do |
| | | | | | | | | | | | | | | | | | | 9,625 00 | |
| | 19460 | ½ | | 5 | 2237 | 500 | | | | | | | | 8160 | | | | 133,034 50 | |

VICTORIA COUNTY.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|------------------------------|---------------------|---------|------------|
| | | \$ cts. | \$ cts. |
| Halibut..... | 500 lbs. at..... | 0 06 | 30 00 |
| Shad..... | ..... | 8 00 | ..... |
| Bass..... | ..... | 0 06 | ..... |
| Trout..... | ..... | 0 06 | ..... |
| Smelt..... | ..... | 0 06 | ..... |
| Eels..... | ..... | 9 00 | ..... |
| Oysters..... | ..... | 3 00 | ..... |
| Lobsters..... | ..... | 0 15 | ..... |
| Fish Oil..... | 8,160 galls. "..... | 0 65 | 5,304 00 |
| Fish Guano..... | ..... | 15 00 | ..... |
| Fish used as Manure..... | ..... | 0 50 | ..... |
| Fish used in the County..... | ..... | ..... | 11,125 00 |
| Total..... | ..... | ..... | 133,034 50 |

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

| COUNTIES. | KINDS OF FISH. | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | WHERE MARKETED. | Shipped Used in County. \$624,995 65 50,000 00 674,995 65 |
|---------------------------------|----------------|------------|---------------|---------------|----------------|-----------|-------------|-------------|----------------|-------------------|-----------------|--------------------|-------------------|--------|-----------------|---|
| | Pollack, cwt. | Hake, cwt. | Haddock, cwt. | Halibut, lbs. | Shad, barrels. | Bas, lbs. | Trout, lbs. | Smelt, lbs. | Bals, barrels. | Oysters, barrels. | Lobsters, cans. | Fish Oil, gallons. | Fish Guano, tons. |  |  |  | Fish used as Manure, barrels. |
| <i>Yarmouth.</i> | | | | | | | | | | | | | | | | |
| 1 Bay Shore to Yarmouth Town... | 2565 | 225 | 1467 | 24900 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4875 | 400 | 200 | 106,434 75 | Yarmouth and U.S. |
| 2 Yarmouth Town..... | 3970 | 200 | 1380 | 2000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13220 | 100 | ..... | 162,810 25 | W. Indies and U.S. |
| 3 Chochoque..... | ..... | ..... | 175 | 850 | ..... | ..... | ..... | ..... | ..... | 20160 | ..... | 100 | 10 | ..... | 9,308 75 | Yarmouth. |
| 4 Little River..... | 50 | ..... | 47 | 450 | ..... | ..... | ..... | ..... | ..... | 156000 | ..... | 176 | ..... | 2000 | 28,358 15 | do |
| 5 Tusket Wedge..... | 100 | ..... | 3700 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6100 | ..... | ..... | 84,906 00 | Halifax, W. Indies & U.S. |
| 6 Salmon River..... | 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 30 | ..... | ..... | 3,011 50 | Yarmouth. |
| 7 Tusket..... | 570 | ..... | 200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 755 | ..... | ..... | 22,428 00 | do |
| 8 East River..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,094 50 | do |
| 9 East Lake and East Brook..... | 500 | ..... | 250 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 20,328 00 | do |
| 10 Argyle..... | 150 | 130 | 500 | ..... | ..... | ..... | ..... | ..... | ..... | 170000 | ..... | 1400 | 80 | ..... | 53,489 50 | do |
| 11 Argyle Sound..... | 450 | ..... | 450 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 23,879 50 | do |
| 12 East and West Pubnico..... | 2525 | ..... | 3075 | 1850 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8850 | ..... | ..... | 158,036 75 | Lockeport and U.S. |
| Total..... | 10900 | 555 | 11237 | 30050 | ..... | 2850 | 31125 | 370 | 346160 | ..... | 37006 | 590 | 2200 | ..... | 674,995 65 | |

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.
 RECAPITULATION.—YARMOUTH COUNTY.

| Kinds of Fish. | Quantities. | Rate. | | Value. | |
|---------------------------------|---------------------|-------|------|----------------|-----------|
| | | \$ | cts. | \$ | cts. |
| Salmon..... | at..... | 15 | 00 | | |
| Salmon, Fresh, in ice..... | 9,820 lbs..... | 0 | 15 | 1,473 | 00 |
| Salmon, Smoked..... | "..... | 0 | 15 | | |
| Salmon, in cans..... | "..... | 0 | 15 | | |
| Mackerel..... | 17,406 barrels..... | 10 | 00 | 174,060 | 00 |
| Mackerel, in cans..... | "..... | 0 | 15 | | |
| Herrings..... | 3,571 barrels..... | 4 | 00 | 14,284 | 00 |
| Herrings, Smoked, in boxes..... | "..... | 0 | 25 | | |
| Alewives..... | 2,244 barrels..... | 3 | 50 | 7,854 | 00 |
| Cod..... | 71,085 cwt..... | 4 | 25 | 302,111 | 25 |
| Cod Tongues and Sounds..... | 255 barrels..... | 7 | 00 | 1,792 | 00 |
| Pollack..... | 10,900 cwt..... | 3 | 50 | 38,150 | 00 |
| Hake..... | 555 " | 3 | 50 | 1,942 | 50 |
| Haddock..... | 11,237 " | 3 | 50 | 39,329 | 50 |
| Halibut..... | 30,050 lbs..... | 0 | 06 | 1,803 | 00 |
| Shad..... | "..... | 8 | 00 | | |
| Bass..... | "..... | 0 | 06 | | |
| Trout..... | 2,850 lbs..... | 0 | 06 | 171 | 00 |
| Smelt..... | 31,125 " | 0 | 06 | 1,867 | 50 |
| Eels..... | 370 barrels..... | 9 | 00 | 3,330 | 00 |
| Oysters..... | "..... | 3 | 00 | | |
| Lobsters..... | 346,160 cans..... | 0 | 15 | 51,924 | 00 |
| Fish Oil..... | 37,006 gallons..... | 0 | 65 | 24,053 | 90 |
| Fish Guano..... | 590 tons..... | 15 | 00 | 8,850 | 00 |
| Fish used as Manure..... | 2,200 barrels..... | 0 | 50 | 1,100 | 00 |
| Total..... | | | | 674,095 | 65 |

RECAPITULATION showing the Total Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, Quantity and Value of Fishing Material (in the Province of Nova Scotia), for the Year 1878.

| No. | COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | | | | | FISHING MATERIAL. | | | | | | KINDS OF FISH | | | | | | | |
|-----|------------------|--|----------|---------|-------|-------|---------|-------|----------|---------|-------|-------------------|---------------|---------------|---------------|-------|--------|---------------|----------------------------|-----------------------|-----------------------|-----------------|--------------------|-----------------|----------------------------|
| | | Vessels. | | | | | Boats. | | | | | Nets. | | | Weirs. | | | Salmon, bris. | Salmon, Fresh in ice, lbs. | Salmon, Smok ed, lbs. | Salmon, in cans, lbs. | Mackerel, bris. | Mackerel, in cans. | Herrings, bris. | Herrings, in Smoked boxes. |
| | | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. | Value. | Salmon, bris. | Salmon, bris. | Salmon, bris. | | | | | | | | | | |
| 1 | Annapolis..... | 5 | 169 | \$ 6450 | 30 | 175 | \$ 3500 | 370 | 15590 | \$ 9245 | 18 | 1125 | 2915 | ..... | ..... | ..... | ..... | 210 | ..... | ..... | 8410 | 2600 | | | |
| 2 | Antigonish..... | 7 | 325 | 9600 | 65 | 155 | 5350 | 465 | 21774 | 25210 | 113 | 1295 | 40 | 15000 | ..... | ..... | ..... | 1900 | ..... | ..... | 1160 | ..... |  |  |  |
| 3 | Cumberland..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 200 | ..... | ..... | 2075 | 100 | | | |
| 4 | Colchester..... | ..... | ..... | ..... | ..... | 32 | 2145 | 184 | 14045 | 2717 | 35 | 14250 | 26 | 6695 | ..... | ..... | ..... | ..... | ..... | ..... | 205 | 100 | | | |
| 5 | Cape Breton..... | 20 | 657 | 7600 | 151 | 698 | 16508 | 1501 | 56688 | 27279 | 500 | 650 | 188 | 16670 | 3900 | 9600 | ..... | 3273 | ..... | ..... | 12877 | ..... |  |  |  |
| 6 | Digby..... | 101 | 2160 | 59950 | 560 | 542 | 14550 | 1084 | 21985 | 12686 | 35 | 9850 | 4200 | 100 | ..... | ..... | ..... | 5422 | ..... | ..... | 4122 | 2875 | | | |
| 7 | Guysboro'..... | 22 | 948 | 29509 | 149 | 1459 | 44946 | 2327 | 170860 | 96172 | 62 | 15215 | 184 | 20765 | 9800 | 1152 | ..... | 7033 | ..... | ..... | 15974 | ..... |  |  |  |
| 8 | Halifax..... | 30 | 680 | 39700 | 224 | 1630 | 56100 | 1817 | 154750 | 48425 | 470 | 94000 | 63800 | ..... | ..... | ..... | ..... | 36200 | 47468 | ..... | 7240 | ..... |  |  |  |
| | | 43 | 1180 | 34630 | 243 | 464 | 12664 | 890 | 72520 | 36260 | ..... | ..... | 50 | 14724 | 10330 | 1288 | ..... | 3132 | 20672 | ..... | 9876 | ..... |  |  |  |
| 9 | Hants..... | 1 | 16 | 500 | 6 | 40 | 1620 | 67 | 8080 | 3085 | 4 | 625 | 54 | 500 | ..... | ..... | ..... | ..... | ..... | ..... | 75 | ..... |  |  |  |
| 10 | Inverness..... | 27 | 1074 | 25100 | 165 | 427 | 19891 | 1157 | 26032 | 16669 | 130 | 2600 | 179 | 7534 | ..... | 40000 | ..... | 10012 | ..... | ..... | 8385 | ..... |  |  |  |
| 11 | Kings..... | 5 | 80 | 1400 | 12 | 109 | 1650 | 380 | 13840 | 4130 | 41 | 4100 | 5850 | ..... | ..... | ..... | ..... | 1480 | ..... | ..... | 7255 | 1490 | | | |
| 12 | Lunenburg..... | 140 | 8030 | 74525 | 1736 | 1450 | 41883 | 2900 | 76190 | 71650 | 100 | 21600 | 20000 | 2750 | ..... | ..... | ..... | 16900 | 300 | ..... | 14370 | ..... |  |  |  |
| 13 | Pictou..... | 1 | 12 | 250 | 3 | 120 | 1709 | 171 | 10087 | 7274 | ..... | ..... | ..... | 112500 | ..... | ..... | ..... | 86 | ..... | ..... | 364 | ..... |  |  |  |
| 14 | Queens..... | 56 | 2041 | 90950 | 361 | 517 | 10575 | 1009 | 27388 | 12645 | 8 | 12800 | 100 | 43371 | ..... | ..... | ..... | 6270 | 2435 | ..... | 5274 | ..... |  |  |  |
| 15 | Richmond..... | 87 | 2872 | 66800 | 657 | 994 | 22932 | 2086 | 110810 | 46673 | ..... | ..... | 94 | 3400 | ..... | ..... | ..... | 7244 | ..... | ..... | 14205 | ..... |  |  |  |
| 16 | Shelburne..... | 124 | 5515 | ..... | 1207 | 742 | 23644 | 1227 | 56020 | 19986 | 23 | 27629 | ..... | ..... | ..... | ..... | ..... | 11052 | ..... | ..... | 18691 | ..... |  |  |  |
| 17 | Victoria..... | 9 | 200 | 3300 | 42 | 424 | 8976 | 849 | 21740 | 9121 | 1 | 1800 | 192 | ..... | ..... | ..... | ..... | 1878 | ..... | ..... | 1090 | ..... |  |  |  |
| 18 | Yarmouth..... | 115 | 5121 | 273450 | 1446 | 471 | 17910 | 877 | 43830 | 22000 | 37 | 59400 | ..... | ..... | ..... | ..... | ..... | 17406 | ..... | ..... | 3571 | ..... |  |  |  |
| | Total..... | 793 | 31080 | 1264934 | 7057 | 10574 | 307683 | 19470 | 913719 | 469502 | 2577 | 267039 | 1107 | 350344 | 26880 | 54680 | 129688 | 70875 | 130219 | 7165 | | | | | |

GENERAL RECAPITULATION.

VALUE of the different Fisheries of Nova Scotia, during the Year 1878.

| Kinds of Fish. | Quantities. | Rate. | Value. |
|--|----------------|---------|--------------|
| | | \$ cts. | \$ cts. |
| Salmon..... | 1,107 brls. at | 15 00 | 16,605 00 |
| do Fresh, in ice..... | 350,344 lbs. | 0 15 | 52,551 80 |
| do Smoked..... | 26,880 " | 0 15 | 4,032 00 |
| do in cans..... | 54,680 " | 0 15 | 8,202 00 |
| Mackerel..... | 129,698 brls. | 10 00 | 1,296,980 00 |
| do in cans..... | 70,875 cans | 0 15 | 10,631 25 |
| Herrings..... | 130,219 brls. | 4 00 | 520,876 00 |
| do Smoked, in boxes | 7,165 boxes | 0 25 | 1,791 25 |
| Alewives..... | 5,738 brls. | 3 50 | 20,083 00 |
| Cod..... | 527,640 cwt. | 4 25 | 2,242,470 00 |
| Cod Tongues and Sounds..... | 922 brls. | 7 00 | 6,454 00 |
| Pollack..... | 41,517 cwt. | 3 50 | 145,309 50 |
| Hake..... | 38,266 " | 3 50 | 133,931 00 |
| CC Haddock..... | 100,867 " | 3 50 | 353,034 50 |
| Halibut..... | 692,866 lbs. | 0 06 | 41,571 96 |
| Shad..... | 7,245 " | 8 00 | 57,960 00 |
| Bass..... | 8,000 " | 0 06 | 480 00 |
| Trout..... | 66,620 " | 0 06 | 3,997 20 |
| Smelt..... | 288,155 " | 0 06 | 17,289 30 |
| Eels..... | 2,020 brls. | 9 00 | 18,180 00 |
| Oysters..... | 918 " | 3 00 | 2,754 00 |
| Lobsters..... | 5,574,092 cans | 0 15 | 836,113 80 |
| Fish Oil..... | 329,984 galls. | 0 65 | 214,489 60 |
| Fish Guano..... | 840 tons | 15 00 | 12,600 00 |
| Fish used as Manure..... | 10,105 brls. | 0 50 | 5,052 50 |
| Hake Sounds and Fresh Fish in Digby..... | | | 6,480 00 |
| Horse Mackerel and Squid, &c., Guysboro' Co..... | | | 15,803 00 |
| Fish used in Halifax Co..... | | | 34,878 28 |
| do Lunenburg Co..... | | | 11,500 00 |
| do Shelburne Co..... | | | 25,000 00 |
| do Victoria Co..... | | | 11,125 00 |
| do Queen's Co..... | | | 3,238 00 |
| do Stewiacke..... | | | 137 90 |
| Total | | | 6,131,599 64 |

APPENDIX No. 13.

SYNOPSIS OF FISHERY OVERSEERS' REPORTS IN THE PROVINCE OF
NOVA SCOTIA, FOR THE YEAR 1878.

ANNAPOLIS COUNTY.

W. T. CARTY, *Overseer.*

I have to report a great falling off in the fisheries of this County for the past season. I believe excessive trawling, practised by vessels fishing at the mouth of the bay and fishermen along the coast, has a tendency to bring about this result. The inhabitants attribute it to sawdust in Bear River. Annapolis Basin yielded comparatively nothing this season.

Laquille and Round Hill are still frequented by salmon and alewives. Very few were taken, there having been a vigilant watch kept on those streams by the Wardens. Annapolis River had a large amount of salmon and bass this season. Some fine shad made their way up as far as Lawrencetown dam, but could get no further, thus depriving the upper part of the County of the advantage of the shad fishery. Nictaux River, above McOwer's dam, has shewn no signs of salmon for some years. I would recommend that the mill-owners above that dam be exempted from keeping up fishways.

CAPE BRETON COUNTY.

YORK BARRINGTON, *Overseer.*

The fishways in my district are in good order. This has been a good year for all kinds of fish except cod, which promised to be very plentiful. Early in the season they struck in with the capelin, which is the best bait, but never stays long on the coast; and when they leave the cod follow them, and since that time they have been very scarce. Herrings were taken in great abundance, but quantities spoiled owing to the scarcity of salt at the time.

The salmon fishing is greatly improving. I have had no difficulty in having the laws observed.

FRANCIS QUINAN, *Overseer.*

I am very happy to have to state that in my district the catch for the past season of some kinds of fish has been far above that of last year, and the increase is especially noticeable in regard to salmon, herring and codfish. The mackerel fishery, however, was almost a total failure—scarcely any fish of that kind fit for market, being taken on our coast this season. There has been a great run of small mackerel, but they were sought after only by amateurs for sport, or by the people of the shore as a change of diet; many persons thought them unwholesome for food. The increase in the salmon catch is owing, I think, to the increased protection of that fish in our rivers—there having been a larger number of them up our rivers for the past season than for years before. The increase in the herring and cod fisheries is entirely due to the favorable summer and autumn weather, and to the great facilities for getting

bait on our shores this season. The principal abuse that I have to notice is one that cannot be attributed to our fishermen, but must be laid at the door of vessels coming on the banks for trawl fishing and discharging thereon their offal, and thereby keeping the fish outside. Our fishermen complain loudly of this, and opine that if it continues they will be forced to abandon the shore fisheries. I can hardly say in what manner the abuse may be remedied, but a remedy is asked for.

The close season, as far as I can ascertain, has been pretty well kept, except in one case, wherein the parties offending were foreigners who did not know our law.

There are two fishways in my district; one of them, a new one, has been but one year in operation. As it did not give satisfaction, I caused it to be lengthened this spring, and now it works well. Of the other, I hear no complaint. A third one is about being attached to a dam now building.

I must again remark this year, as I did last, that some of our best brooks are completely choked by windfalls, old timber, &c., which prevent the fish ascending and descending in due season. To this, in a great measure, I attribute the disappearance of alewives from our fishery returns to what it used to be. Time and again I have reasoned with the settlers along the streams, urging them for their own sake to lend a hand in clearing away the obstructions; but they seem to think it the duty of the Department to keep the brooks clear. At one time I succeeded in getting two streams cleared out, but they are again in a partially obstructed state.

I think I am safe in estimating that about one-half of the salmon and herring and one-third of the codfish are consumed at home, the rest, together with all the haddock caught, goes to Halifax. All the smaller and less marketable kinds of fish are consumed at home.

In closing my report I beg to suggest a close season for smelts, from the 20th May to the 30th June.

ALEX. McDONALD, *Overseer.*

There is an increase in the catch of cod, herring and mackerel; alewives are a total failure on this coast. Halibut will soon be among the things that were, but their scarcity is attributed to trawl fishing. The eastern portion of this district was noted some years ago for the abundance of that kind of fish, but now the reverse is the case, and the fishing of halibut is less pursued than in former years. The salmon catch in this district is below that of last year, but fishing was not so vigorously carried on as usual, for the following reasons: 1st. The fish approached our shores earlier than in former years, and consequently the fishermen could not set their nets so early. 2nd. Salmon commanded a low price on the markets, so much so that fishermen found it more remunerative to follow other fishing pursuits, such as cod-fishing, herring, &c.

Lobster-fishing was not prosecuted less vigorously than usual. The "Canadian" factory was only in operation for a few weeks in the early spring. The "Gabras" factory was opened during the whole fishing season.

Trout-fishing is below the usual average, and this season was a poor one for angling, rivers and streams being remarkably low and few fish being enabled to ascend during the angling season. The close time was strictly observed except in one case. A salmon net was seized by one of the Wardens, and having no name on it, consequently we could not impose a fine, and the net is yet in possession of the Warden.

COLCHESTER COUNTY.

R. J. POLLACK, *Overseer.*

Smelts were abundant as usual, but the catch not so good as that of last year; the rivers being so low, the fish made only a short stay. The catch of shad was less than last year, the rivers being too high for the setting of nets, except in the eddies on the

shore during the latter part of the season. Salmon were unusually scarce in Stewiacke; parties having nets appear to take very little interest in fishing with them. I have made diligent and careful enquiry, and can hear of but 145 salmon being caught. From the close of the fishing season until the first of November, the river was unusually low and filled with marsh mud. The water was quite thick, so much so that the fish could not live in it. In the months of September and October, there was not a salmon to be seen. The close season was well observed, and when the fall rains came and the mud was partly washed out of the river, the salmon began to go up and appeared quite numerous in the small streams. Salmon fry are not caught by either men or boys in this district, except an odd one when fishing for trout, which they put back in the river immediately.

JAMES BONYMAN, *Overseer.*

Since the change in the law which makes the close season to begin in the middle of August instead of 20th October, as it used to be, we have no report to give of salmon-fishing, which creates a good deal of dissatisfaction amongst the people, and I would respectfully suggest that the Department reconsider the matter, with the view of giving them a chance to have a taste of good salmon without violating the law. Smelts were plentiful; sea-trout rather scarce, but the lakes afforded the usual amount of sport. This season, unlike the last, was a poor one for salmon-spawning; the rain not coming soon enough to let them up the rivers. We noticed this summer what we never saw before, towards the end of June, quite a lot of young salmon in the rivers of the Northern Division of Colchester County. We knew them to be salmon by comparison with those put in by Mr. Wilmot, but they could not be the same ones, they were so much further down the river, and there were so many of them.

There were some violations of the law, but none of an aggravated kind. No fines were imposed, but I have three salmon-nets in my possession that were unlawfully set; two of which I promised to return when it is lawful to set them, if the Department does not object.

J. W. DAVISON, *Overseer.*

I am pleased to notice that a more encouraging state of things exists than it has been my privilege to record for some years past. The catch of shad was considerably larger than for several years previous. These fish came in large quantities upon the feeding grounds, consequently a large proportion of them were caught in weirs which are in general use along the shores of Cobequid Bay. Prices were fair, and fishermen fairly remunerated for their expenses and labor. If more pains were taken to select and pack up fish properly, the market would probably be steadier. The fishermen are not fully alive to the injury they do themselves by sending large and small fish, promiscuously branded No. 1, into the market. In order to remedy this evil, I would respectfully recommend the appointment of an Inspector of pickled fish for this County. There has been some falling off in the catch of salmon, but it must be remarked that although there are about ten rivers frequented by salmon in this district, all the salmon caught are taken in shad-nets set in the bay, and those nets are neither large enough in the mesh nor strong enough to hold large salmon. Our rivers form nurseries for other parts; no seines, brush-weirs, or fishing apparatus of any kind, ever existed on any of them for capturing fish. Salmon are generally taken more plentifully in windy weather, and this season being a very calm one, this may account for the small catch. The quantity taken in the bay is by no means a true index to the numbers that frequent the rivers.

Six new fish-ladders were built this season under the superintendence of Mr. W. H. Rogers, of which he will no doubt give full particulars.

Salmon were seen in the act of ascending by means of those ladders, thus proving satisfactorily their efficiency.

Codfish still continue scarce. This is largely attributed to the use of trawls, which has been carried on for some years past, and which is very generally condemned by the people of the vicinity.

CUMBERLAND COUNTY.

JAMES KING, *Overseer.*

Fishing at the head of the Bay of Fundy has been very good this season for shad, and alewives have been very plentiful in all the rivers frequented by them; there was not a very large quantity caught, as the people did not fish to any great extent for them.

Salmon were scarce during the open season, and not over plentiful in the close season.

Line fish were about as usual, there being a few less men engaged in the business; the catch is, consequently, below that of last year. Herring, in the early part of the season, were less plentiful than last year, yet there were more weirs set, and the men engaged worked diligently, so that a considerable quantity was caught. The fish passes are in a tolerably fair state for general use. Violations of the law were immaterial, requiring nothing more than severe reprimands.

J. J. HINGLEY, *Overseer.*

The lobster business was not very good this season. At Amherst Shore it was a complete failure, owing to the lobsters spoiling in the cans shortly after sealing. The factories lost 5,000 cans in this way, and it is reported that 8,496 cans were shipped and lost in the same way. The Pugwash factory was removed to Caribou in the spring, and nothing was done at Pugwash last summer. The factory at Wallace did a very good business, and no loss is reported there. I have been informed that Syres' establishment, on Wallace River, for the purpose of freezing fresh fish, has been a failure from different causes, the principal one being that the fish thawed, and spoiled while in transport.

There has been a considerable falling-off in the catch of herrings. This did not result from the scarcity of fish, but because the people did not make any effort to catch them. Most of those caught were secured by the lobster men for bait. The run of mackerel was very good, but the catch was small, owing to no preparations being made to take them in nets. Those taken were nearly all got with the hook and line. In September last I engaged two special guardians for night service on River Philip to protect the salmon from poachers during the fall; Timothy Patton and Niron Thompson being employed for that purpose. They only seized two nets during the season. This arises from the fact that the people are beginning to respect the laws more than they ever did before. The run of salmon this fall was larger than it had been for some years. Mr. A. B. Wilmot's men secured at Oxford 125 good salmon for spawning purposes. They caught them in a shorter time, and with less labor than in former years.

The large majority of the people in this district, who were so bitterly opposed to the taking of spawn from this river, are now becoming convinced that the scheme is a success. They have seen to some extent the error of their ways, and believe that the artificial method of re-stocking our rivers with this noble fish is the only possible way. Therefore I think they have made up their minds generally not to oppose the Department any longer.

DIGBY COUNTY.

J. H. MOOREHOUSE, *Overseer.*

It will be observed by the statistics for this county that the results of the fisheries, as a whole, are about equal to last year, which, although not as satisfactory

as we could wish, still they are sufficient, with the abundant harvest and low prices of all the necessaries of life, to give comfort to our fishermen.

I regret to state that the Bay of Fundy fisheries continue to show signs of gradual decrease. Various reasons are assigned for this. Among them is the practice of throwing overboard on the fishing-grounds the offals of fish. As the law stands, there is great difficulty in convicting the guilty parties. The law should be amended so as to compel parties suspected of the offence, to show on oath, what they have done with their gurry, and the crew should be held equally liable. The practice of trawl fishing is also, unquestionably, most injurious; this I think I fully demonstrated in my report of last year.

I regret to report the continued failure of the herring fisheries of Digby Basin. It is stated that heavy shoals of these fish were to be seen in the Bay of Fundy during the summer months, but none approached the coast. It is difficult to understand the habits of these fish. The reason why they do not enter the basin as formerly is attributed by many to the sawdust passing out of the basin to the sea. But the same failure occurred in the Grand Manan herring fisheries for the last three years, where there are no mills, and consequently no sawdust. It must also be observed that sawdust or other substances can only pass from the Basin to the sea during ebb-tide, when such fish need not enter if they choose. It is, therefore, evident that they must enter with the flood, when it is always clear water, so that even admitting the sawdust to be distasteful to these fish, it is evidently no impediment to their entering the Basin. The cause must, therefore, be sought for in another direction. Years ago, before lumbering was carried on in this section of the country, these periodical failures occurred; they were then thought to be caused by the Indians shooting porpoises (which preyed upon the herring), and drove them in shore, where they would strike the Digby Gut tide and enter the Basin. This theory, whether correct or not, certainly commends itself to our judgment as the most reasonable.

Bear River, although once visited in large quantities by salmon, bass, shad and gaspereaux, has long since been surrendered to the lumbering interests. Occasionally, there are to be seen adventurers, perhaps from the icy north, seeking admission, it may be, to their birth-place, but they find the way securely barred against them. There are eight heavy dams on the river, that completely bar the passage of fish to the lakes, which are converted into vast reservoirs by means of dams at their outlets. The water thus kept back reduces the river to a mere brook during summer, affording a most imperfect idea of its real character, when the surplus water from its numerous lakes is pouring its way to the sea, over its rocky bed. In the summer of 1870, Mr. Venning, then Inspector of Fisheries for Nova Scotia, visited this locality. I fully explained these particulars to him. After consideration, he thought best not to exact the building of fishways, but for the protection of the herring fishery and harbor, to enforce the clause prohibiting the throwing of sawdust and other rubbish into the river. This I have endeavored to do, but the struggle has been severe up-hill work. I have had to oppose prejudice and heavy money interests; while those most interested, instead of availing themselves of the liberal provisions of the law to assist me, have weakened my efforts by finding fault. I have had five cases in the Supreme Court with one firm, and am heavily out of pocket.

I find that the determination of the late Government to withhold the fines due to prosecutors from Wardens, is working badly. Men will not incur heavy risks without a prospect of being reimbursed, which they fail to see in the small salary they receive.

Sissaboo is a noble river, fed by many fine lakes, with beautiful sandy shores admirably adapted to the breeding of salmon and gaspereaux, if they could be reached from the sea; but unfortunately this is prevented by a perpendicular ledge crossing the river, over which fish cannot pass. I have repeatedly urged in my reports the necessity of a small outlay by the Government to overcome this difficulty.

which would secure a great boon to the people, and eventually a revenue to the country

I am glad to report that the mackerel fishery at St. Mary's Bay has shown decided marks of improvement. Three traps were licensed this summer, and their catch has been satisfactory. The fish, though small, are decidedly better than last year, and it is quite probable that the next season's fishing will be a prosperous one if not destroyed by foreigners throwing their gurry into the bay and polluting the waters.

GUYSBORO' COUNTY.

JAMES A. TORY, *Overseer.*

A large falling off in the yield of the fisheries of this County is noticed when compared with that of last year. Salmon were undoubtedly on the increase, and from all informations received, larger quantities ascended the rivers this season than for many years past. The deficiency is attributable to several fishermen heretofore following that fishery in other places, when this year it was totally abandoned.

Mackerel fishing, which may be called the mainstay of most of our people, shows a falling off of nearly one-third, and the loss sustained is felt severely by the inhabitants of the eastern portion of the County, but more especially by fishermen and merchants. One cause of the short catch was owing to a continuance of heavy east winds in the spring, which prevented nearly all the fishermen from getting to their usual fishing grounds along the coast of Cape Breton. This led to nearly a total failure of the spring catch; the fish having passed before the fishermen got located. The summer catch, taking into account the small mackerel, was an average one. But the fall run (the most important one) was a total failure on the shores of this County, excepting a small catch at Canço, unusually late in the season. It is asserted that large schools were seen passing; but why so late may be accounted for by the prevailing warm weather during the latter part of the fishing season.

Herrings, although a short catch in some places, was about the same as during the previous year.

Codfish and haddock show a considerable falling off. Fishermen account for this by the scarcity of bait, which they were unable to procure while those fish were on the coast.

Hake has increased. This may be attributed to two reasons,—first, the short catch of other and more profitable fish compelled a portion of the fishermen to turn their attention to those fish, secondly; the sounds of those fish have become so valuable (\$1 per lb) that numbers are caught on that account.

The increase in oil is due to the extra catch of hake and the taking of horse mackerel in trap-nets, besides a run of dog fish upon the coast this season.

The catch of lobsters has materially increased, but the fish have diminished in size to such an extent that it now requires over fifty per cent. in number to make the same weight that it did a few years ago, or when the fishery first commenced. This fact, I think, calls for more stringent regulations in respect to the size of the lobsters allowed to be caught, and also a stricter watch upon the canning establishments to see that the regulations are carried out—that is, if the fishery is to be protected or preserved for future years,—as the present drain upon it must exhaust the supply, and in a very few years totally destroy it, thereby depriving the country of a lucrative source of wealth and the Dominion of a large article of export.

All other kinds of fish have been about upon a par with other seasons.

As regards the river fisheries, I have nothing special to report—except that I have heard of a few instances of torches having been seen about the rivers, but have been unable, up to the present, to ascertain who the parties were.

Regulations respecting the shore or salt-water fisheries are much needed, and considerable inconvenience is felt by fishermen for the want of the same, and of officers in the immediate neighbourhood to carry them out.

During the past season there has been four licences granted by the Department for traps in this portion of the County, but only three availed themselves of the privilege granted, and it being late in the season, the spring fishing was over before the traps were set, in consequence of which they have not done as well as they otherwise might have done; the quantities taken by each you will find in the statistical returns. I would here remark that I fear a very important provision of the law, and also a clause in the licences, are violated by the trap net fishermen—that is, in taking or, rather, in not releasing salmon when taken in the traps, for it seems impossible that those fish can escape from being caught, and if so, the temptation is so great that none, or a very few, are ever released alive; but at the same time I have not heard of any such violation.

HALIFAX COUNTY.

WILLIAM ANDERSON, *Overseer.*

I have nothing particular to note in the yield of fisheries in the Eastern Division of this County. The returns show a small increase in mackerel, herring, codfish and oil—the last item caused by a small run of dogfish, which for several years had deserted our coast. There were fair prospects for a good summer's fishing in the early part of the season; but as it advanced bait became scarce and continued so. There was no fall herring or mackerel catch, excepting those too small to either mesh or sell. Late in the season codfish, in some places, were plenty, but neither bait nor weather to catch them.

I had some trouble with Messrs. Naufts' and Slaughwhite's nets. They set them about a mile west of the entrance to the harbor of Musquodoboit, and when I settled the matter, John Nauft disputed my authority outside of the harbor. I reported the facts to the Department.

All the fishways in my district are in good order, and I have only a two dollar fine to report. The law was well observed during the close season by the lobster packing establishments.

Mr. Rogers visited with me all the rivers and fishways in my district. His directions and recommendations were all carried out.

I would recommend that something be done for the improvement of West River and Chezetcook, to enable the fish to ascend at any size of water. Please refer to my report of last year.

JOHN FITZGERALD, *Overseer.*

The returns of the yield and value of the fisheries in my district show an increase over that of last year. The largest increase is in mackerel; in salmon and herring it is much less; codfish is about the same. There were more hake caught than for the last two years.

The rivers in my district are in good order, except Hubbard's River. I met Mr. Rogers, and he told me that he would attend to it; but I suppose he was so busy he could not do so.

Fall mackerel fishery was a total failure, no fat mackerel being seen after the 1st of October.

There are four lobster factories in my district, and they kept the close time strictly.

HANTS COUNTY.

TIMOTHY O'BRIEN, *Overseer.*

I am pleased to be able to report an increase in the number of fish taken this season. There was a considerable increase in the catch of salmon, and of other kinds, such as shad, codfish, haddock and herrings. More than an average amount have been

taken, although there are not so many people engaged in fishing as in former years; the inhabitants of this district having turned their attention more closely to farming than formerly.

The mill-owners feel very much aggrieved at being compelled to prevent sawdust from passing into the streams; and even one of them stopped operations for a while, declaring the law too stringent, but finally considered it wiser on his part to comply with the regulations than to suffer pecuniary loss. I have, of course, made no distinction, but treated all alike. Complaints were made to me by the fishermen that mill-owners permitted sawdust to be cast into the streams. These complaints proved in several cases to be groundless.

I believe fishermen are beginning to appreciate the benefits resulting from the carrying out of the regulations in regard to the preservation of fish, so that I anticipate less trouble in enforcing them in future than I have had in the past.

In conclusion, I am pleased to be able to report everything working smoothly now and to my entire satisfaction.

P. S. BURNHAM, *Overseer.*

Shad were more plentiful in Avon River this season than they have been for several years, and very fine. Salmon were scarce and small, very few exceeding four pounds. I have not much to say as regards salmon in our fresh water rivers; they come up here very late—not till the last of June—and generally the water is low, and by that time they have but small chance of getting over the ladder. However, on the west branch of the Avon River the only dam of any consequence was swept away by a freshet, and has not been replaced. On the south branch, the river has been kept opened, and I am in hopes that, by another spring, that the only dam which offers any impediment to the ascent of fish will be carried away, as it is of no use.

INVERNESS COUNTY.

M. A. ROSS, *Overseer.*

The value of the year's products in my district is \$223,339.42 for exportable fish, being an increase of \$53,593.59 over last year. The quantity of fish used for home consumption and bait amounts to \$139,113.60, making a total value of \$267,453.02.

There has been a great number of small mackerel and small herring this year, and that is one reason why so many have been kept for home use; they were unfit for foreign markets.

Salmon fishing was remarkably good, although I am not in a position to show the number canned at Margaree during the season, that being in Mr. Coady's district. North River having been well stocked with salmon this fall, heavy schools went up to the spawning-grounds.

The alewives fishery was considered good, and I am in hopes that in a few years the returns will shew a large catch.

JOHN CAMERON, *Overseer.*

I find all kinds of fish on the decrease. The abuse which exists in my district is setting nets across the rivers. The nets stolen from me last fall, during my absence on official business from home, I again seized in the river this fall, and have now in my possession. In several cases I had to use the knife and destroy nets found in the rivers in violation of law.

One of the best rivers in my district is Whycocomah; I am desirous that some measure be taken to clear it of rubbish which is accumulating in its bed to the injury of fish. Sawmills are the great trouble. Last spring I had to take action against a

man at Mabou, and the case was brought before the County Court, and came against the outsider who lodged the complaint. The amount of twenty dollars in fines was taken from other parties, but was paid out in costs. In the above cases I may say that a wholesome check has been given to law-breakers.

Improvements have been made in mills to keep sawdust and rubbish from falling into the streams, although a great deal more is needed.

KINGS COUNTY.

A. BISHOP, *Overseer.*

I have to report that the mill on Gaspereaux River, formerly known as Calder's, now Benjamin's mill, being idle, no material can be had to build the proposed new fish passage without water to get logs to the mill. Mr. Benjamin expresses his willingness to build the fishway if I will insure the safety of the dam. I could not think of giving any such assurance. He proposes to get ready for the work so soon as he can get logs down, and to build the fishway when the water subsides next year, which will be after the alowives have gone. With respect to the number of men, boats, nets, weirs, material, &c., engaged in the fisheries on this river, I beg to say that, in former years, there were an average of 12 boats with two men each, and 36 square nets with one man each. In the tide there were 6 brush weirs, giving employment in all to about 65 men, most of whom were poor and were largely indebted to their employers for a subsistence. My return for this year shows an entire failure of this fishery, as I formerly predicted, notwithstanding that Mr. Rogers, in his report, says that even I will be surprised to see the river teeming with fish this year.

The catch of eels and smelts this year was beyond the average, both in respect to number and quality. Alewives have been a failure. Salmon, which in former years were numerous in the best pools above the dam, are this year almost a failure. Those which were put in by the Government may keep up the supply in the future if they can ascend to their spawning-beds, otherwise I look for an entire failure of this fish, not one having yet been seen above the dam.

Gaspereaux River is now clear of all obstructions from the tide to the lake, with the exception of the dam at Benjamin's mill.

Cornwallis River shows a falling off in the yield of salmon, but I think this is owing to the extreme low water on account of dry season. Smelts were numerous and of good quality; trout were plenty and much fished for.

In North and South Aylsford I see no material change. The mill-owners have been watched, and have generally complied with the law in respect to mill rubbish. The people having generally complied with the law; I have no fines to report.

J. E. STARR, *Overseer.*

It is satisfactory to note that the yield of the fisheries has steadily increased year after year, from \$32,000 in 1869 to \$88,467 for the past year. This you will perceive is an increase of nearly \$24,900 over last year.

The herring fishery has been a failure all along the coast; the fish for some reason do not appear to have run up the Bay of Fundy. Notwithstanding, the fishermen seem to have increased their exertions in the other branches of fishing, with the above very gratifying results, which, when it is considered that this is much more of an agricultural than a fishing County, I think speaks more forcibly than words of the general efficiency and good management of all concerned.

I have no fines to remit, nor can I think of any alteration or additions to the law that would be both practical and beneficial.

LUNENBURG COUNTY.

H. S. Jost, *Overseer.*

Few vessels went to Labrador this year, and those few barely averaged half a load each. The cod-fishing Bay vessels did well, with few exceptions, making a full average catch. The majority of our fishing vessels were bankers, which, on the whole, made average voyages, some vessels doing very well.

The only trap-net set in this county, at Fire Cove, Lunenburg Harbour, was not a success this year, the whole value of proceeds being but little over \$1,000.

I have to report some improvement in the fishery of Petite Rivière. Salmon went above the mill's and reached Big Lake, while quite a number were taken at different points up the river.

Alewives were also more numerous than of late years, and went up through Wallace Brook to the waters above, since the rubbish and old stumps were removed by means of the grant of \$50 from the Government expended there last year. I am informed that some parties are utilizing this brook now by bringing down logs, and I am told that it was more for logging than for fishing purposes they wished it to be cleared of obstructions. I shall visit it soon for information.

By direction of W. H. Rogers, Esq., I notified the mill-owners on Lahave and other rivers, where complaints had been made, that the law relating to the throwing of sawdust or mill-rubbish in the rivers, or allowing it to fall therein, would be enforced this fall, if the practice was continued. I had clauses of the Act of 1873 printed and sent with the notices to the mill-owners. The two mill-dams belonging to Mr. Davidson—one, half a mile, and the other a mile, above Bridgewater Bridge—and Cook's mill and dam, one mile further up, are in about the same state as last year. Before these dams were built, salmon and alewives were found fifteen or twenty miles above on the main river, as well as on the north branch. Since then, these fish have declined, and for the last eight or ten years, at least, there is no authentic information of either kind having been taken above the dams. The two Wardens up there have nothing to do—there are no fish in the river to be cared for; none come up, they say, and such is the general testimony. There is a difference of opinion in reference to the cause of the fish not getting above the dams. The people, as a rule and very generally say, that the three dams built quite across the river prevent the fish from ascending; that the fish-ladders are insufficient and do not secure a passage, and that it cannot be expected that salmon and alewives will press on and run the gauntlet of those three fishways. Mr. Rogers thinks the fishways are sufficient, and blames the Indians for the mischief. There was a run of salmon up to the dam in September; some were taken with the rod. Two were found dead under the dam.

GEORGE REDDEN, *Overseer.*

I have the honor to make the following report concerning the state of the fisheries of this division:—

The rivers are in good working order, except Middle River Branch, which requires a new fish-way, as reported last year.

There has been a marked increase of salmon in this district, also an increase of gaspereaux; large quantities of the latter having been caught and consumed fresh. Five anglers on Gold River caught about three hundred pounds each of salmon, and some have caught more than that quantity. There were more fish taken in the river this season than for the last five years. Salmon ascended earlier than for many years, and in large quantities during the month of March. There has been some poaching on Middle River, owing to the illness of the Warden.

There is a falling-off in the catch of cod and hake on our shores this season, and harrings were very scarce owing to so many lobster-traps along the shores; mackerel has been plentiful but of a poor quality.

The close seasons were well observed, with few exceptions. The lobster catching at Chester was successful, but the lobsters were very small, and if there is not some restriction placed on catching them they will soon be destroyed altogether.

Trapping for lobsters hinders other fish from coming in shore; herrings and other fish will not trim where lobster-traps are moored. It seems to me that fishermen think of nothing but the present, or they would be more careful of the small fish, knowing that their future hopes depend on them.

With regard to seine fishing, there will have to be some law made to apply to this, for strangers come from other districts and crowd the natives out, creating continual dispute which is almost impossible for fishery officers to settle.

PICOU COUNTY.

JOHN McDONALD, *Overseer.*

My duties as Overseer of fisheries for the eastern part of Pictou County having terminated for the season, owing to the approach of the winter, I beg to submit the following report:—

1st. I have filled the blank forms supplied by the Department with the statistics required, and I have taken every available pains to make them as reliable as possible under the circumstances. When fish were exported there were no trouble in securing accurate returns; but when they were made use of for home consumption, it was not so easy, owing to the absence in many cases of written data, to collect all the requisite information without fear of mistake. However, I do not believe that there can be any considerable errors in the returns furnished me by fishermen and others, as well as those collected by myself through personal observation.

2nd. In acknowledging the receipt of Mr. Witcher's circular (Sept., 1877), I made at the time such observations as the nature of the queries seemed to require; and I wish now to add to what I then advanced, the following remarks and suggestions, which I beg to submit:—

There being no decrease in the catch of fish this year as compared with last season's, the first query requires no answer.

4th. The abuses existing in this district were spearing in some of the streams, but not to a great extent, and netting on a large scale at French River during the close season. Efficient Wardens, on whose diligence the Overseer could reasonably rely, would, of course, remedy the evil; but in this connection I would remark, that at French River, where I made a seizure of five nets, the Warden, Mr. William B. Stewart, gave me no assistance. Hence, I was constrained to employ Mr. Angus McDonald to perform with myself, a labor which ought to have been accomplished by the Warden. This is not the only instance of Mr. Stewart's inefficiency and neglect; so nothing remains for me to do but to recommend his dismissal in the interests of the fishery.

As to spearing in the close season during the past year, it is gratifying to report that it was not, so far as known, practised to any great extent. In fact I have heard, and that only by rumor, which I failed to trace to any creditable source—of but one or two attempts altogether. The netting, besides, was done principally in French River, where an efficient Warden could, without difficulty, entirely prevent every violation of the law.

5th. There are no fishways in any of the dams on the streams in this district, nor do I see the necessity of their erection so long as no mills are erected no nearer the tidal waters than are the ones at present in operation. I would add these reasons: (1) Only in one case (that of the west branch of Barney's River) are there available grounds which are anyways extensive for spawning beds above the location of the existing mill dams; (2) in all cases, there are spacious spawning beds for long distances below them; and (3) the dams are now so far up stream, and the current so small above

them, that it should be impossible, in the few places in which there are spawning-beds, to prevent poaching simply because it could be carried on in the daytime by persons walking along the banks. Fishways in these circumstances do not seem to be necessary; their cost, particularly, would appear to counterbalance any advantage they would possibly add to the fishery.

6th. For the better enforcement of the law I would suggest, (1) that in cases like that of French River and some others which I shall report more fully hereafter, inefficient Wardens be replaced by better ones; (2) that in case of fine for violation of the law, one-half the penalty be paid to prosecuting Wardens as a reward and inducement both; and (3) that the law as regards the punishment of witnesses who refuse to appear or to give evidence before the Overseer in action against poachers, be assimilated to that which, by the Nova Scotia statute, governs witnesses in prosecutions for violation of the liquor license law. Men have refused to answer their subpoenas before me, and I had no recourse but by the expensive proceeding of an action in the Supreme Court. In similar cases, the clerk of license could proceed by a more effective method, because less costly and more summary.

7th. The quantity and value of fish, as near as I can arrive at, is found in my returns which I herewith enclose, and, summed up, amounts this year to \$20,714.10 against \$17,554.85 in 1877, being an increase in value of \$3,123.10.

8th. In concluding, I beg to call attention to the state of the law in reference to coast fisheries, because it seems to require additional legislation, as far as this district concerned. The Act, indeed, makes provisions expressly for cases, in which netting berths are located on the rivers; but nothing is said as to the berths on the sea coast, although the latter is included in my district, and I have been called upon to settle difficulties by parties who consider that they have been encroached upon by neighbouring fishermen. The trouble at Sandy Covo, about which I have reported to the Department is an instance in point. It so happened that I succeeded in making an amicable arrangement in every case; but I am not clear as to what ought to be the procedure of the Overseer in cases where exception would be taken to the jurisdiction conferred on him by his commission. Suppose his decision in a matter appertaining to the coast fishery to be set at naught by interested parties, what are the legal steps to be adopted in order to carry it into effective practice? The answer to this question, I would suggest, can only be more satisfactorily given by additional legislation.

On the whole, I am happy to be able to report progress in the results of the fishing industry, so far as it came under my observation during the year 1878.

Much dissatisfaction is expressed on many parts of the seaboard at the method now growing common of trawling for hake and codfish. It is contended that the great number of fish necessarily lost after every storm by this method, and left to rot in mid ocean, tends to drive away and make fish scarcer year by year. It is further contended that, were all the trawls prohibited, the aggregate catch by process of ordinary hook and line would be just as great as it is, if not greater, and this without fear of future diminution. Trawls in other words, will ultimately decimate the fish, according to this opinion, and render the industry less valuable, if not entirely unremunerative, in some places.

Again it is contended by fishermen that some limit should be assigned to the length of salmon-nets, which now on the coast vary from 300 fathoms downwards.

I bring this to the notice of the Department, for the two matters alluded to may possibly in the near future lead to trouble if no legislation be enacted to meet the requirements of the case. At present I cannot make any suggestion, owing to the difficulty of the subject, other than to state the fact that dissatisfaction exists, which may or may not be productive of more serious evils.

QUEEN'S COUNTY.

S. T. N. SELLON, *Overseer.*

In sending my annual report, it gives me pleasure to say that the fisheries under my control have largely increased. Several alterations and improvements have been made by your Department for our inland fisheries, which are destined to be of more importance to the people living along the rivers and harbours than the lumber interests; and though our fish-ladders are pronounced good, they do not suit Liverpool River, and as a result, our alewives fishing is no success, I have recommended that a slope or inclined plane be built at the Milton and Tannock mill dams. A number of years ago, a slope was in use at the Milton dam; and, though a very imperfect structure, it gave satisfaction. One is now required for the increase of our inland fisheries, more particularly for alewives. It would be beneficial for salmon going up to the spawning-grounds, and would be an inexpensive work.

Medway River has been a success, particularly for salmon. Fortunately, we have no fish-ladders on that river and mill owners permitted and assisted me to make bye-waters by cutting off, say 30 feet from the end of Charleston dam and 28 feet from Saltus Falls dam. As the mills are on one side of the stream, this is all that is required on this river. The fact is proved by the increase of salmon going up the river, or seen in the lakes many miles from the sea during the fall, and also from the large number of young salmon seen in May going to the salt water, commencing about the 14th of May. Salmon has largely increased in number and size, during the last eight or nine years, and at no time during my long residence here have I seen so many large salmon caught as during the last fishing season. This is due to the protection of the river fisheries by your Department.

But to increase our river fisheries in number and amount, I respectfully suggest that a change is necessary in the law relating to the setting of salmon-nets, for the law which suited when the families were less in number than at this present time now requires an alteration. Shorten the time for net-fishing, so that salmon-fishing on our rivers shall end on the 15th July, instead of the 31st, as at present, and for two reasons—first, the fish has lost its good quality, and grisle are numerous. In the second instance, far too many grisle are taken, which sell for about 25 cents each, and the fishery-officer has no means to ascertain whether they are taken in a legal salmon net or one made for the purpose. No person should set more than one net, and not, as at present, set one in another name besides. This leads to imposition, and prevents many families from setting a net.

Also, that the three salmon-berths, the Government property on this river, the Salmon Rock Station, so called, and the two berths at the Breakwater, should be sold at auction before the fishing season begins; this would realise quite a sum to meet expenses. Salmon-berths should not be taken up before twelve o'clock on the first Monday in March. This will put a stop to confusion, false swearing and trouble at any time, but more so if the month happens to begin on Sunday at midnight.

Lobster-fishing was extensively carried on, and the catch large. The close time is satisfactory to the factories and the fishermen; but I fear it is an unfortunate feature of the law that these fine fish are allowed to be caught under nine inches long.

Alewife fishing is not so much of a success as we would desire.

Fish-traps, though not remunerative to the owners and employes, were an element of success for our line fishing; many vessels belonging to this and other countries, as well as from the States largely depended on getting bait from the traps, and with it caught a fair supply of cod, haddock and other deep-sea fish. Traps require protection, as they are expensive in the first outlay and in the working expenses. It is to be regretted that storms compelled some owners in this harbour to take up their traps before the fall fishing, and that evil disposed persons so destroyed them at Port Mouton, by cutting the twine and ropes, that they could not be repaired, and by that act serious loss was the result. Mackerel visited our shores in fair numbers,

more so than for many years. The first were of small size, but were followed by large ones.

In addition to other fish factories, a manufactory was started this season at Port Mouton for the preparation of the garbage of lobsters and shipping it in its crude state to Boston, to be converted into fertilizers. About thirty tons were shipped, but next season, with increased information and improved machinery, it will be prepared for some use, and will be of profit and service.

RICHMOND COUNTY.

EDWARD H. BALLAM, *Overseer.*

The catch of mackerel was about the same as last year, the greater portion being taken by seines and with the jig. The catch of herring was something above that of last year; lobsters about the same. The haddock-fishery proved a failure; there being no more than half the quantity taken this season than last, and nine-tenths of the fishermen attribute the scarcity of this fish to the use of trawls. Now, as many of our fishermen depend in a great measure upon the haddock-fishery as a means of support, I should certainly suggest that an Act be passed to prevent the use of the above-named fishing engines in future.

I did not hear of any breach of the fishery law in my district this season.

D. CAMERON, *Overseer.*

In submitting, for the information of the Department of Marine and Fisheries, a statistical report, of the fisheries of this district for the year 1878, it is needless to call attention to the deplorable decrease in the products of this industry which marks the labours of the past season. Compared with last year, some of its branches present an almost utter blank, while not one has proved more lucrative. The most remarkable falling-off is in the mackerel, cod and lobster fisheries. From the returns of this year and the last I make the following extracts:—

| | Mackerel. Bbls. | Cod. Cwt. | Lobsters. Cans. |
|---------------|--------------------|--------------|--------------------|
| 1877..... | 12,940 | 18,400 | 124,000 |
| 1878..... | 2,720 | 12,742 | 46,000 |
| Decrease..... | 10,220 | 5,658 | 78,000 |

Thus it will be seen that the mackerel catch is about one-fifth that of last year; the cod about two-thirds, and the lobsters about one-third. And considering that our fisheries have been as vigorously prosecuted this year as ever before, it must be concluded that our fishermen have been but slightly remunerated.

SHELBURNE COUNTY.

SAMUEL MUIR, *Overseer.*

I herewith send you the annual report of the fisheries in my district. There have been 18 vessels added to the fishing business with an increase of 23,872 quintals cod, 265 quintals haddock, 595 quintals pollack, 16,126 galls. oil, 8,793 bbls. herring, and 242,024 cans lobsters. There is a falling-off in the mackerel of 1,989 bbls. as compared with last year. This is on account of the strong north-east winds which prevailed during the fishing season. Halibut and hake were scarce, and alewives almost a total failure. Unless the wooden "fish-ladders," as they are called, are done away with, the alewives will soon be a thing of the past.

There were several ladders built in Shelbourne County at different times, at a large expense to the mill-owners, and they have all proved worthless. The late Overseer Ryer caused a way to be dug around the dam, but in the latter part of the fishing season of 1876 Mr. Rogers had a wooden fish-ladder built. The mill-owners were willing to build a wing-dam and many persons who were present offered to give a lift, but Mr. Rogers said: "I will have the ladder and no other way," and if it did not answer, the Government would have the expense of moving the dam. I had not at that time any practical knowledge of fish-ladders, having only been in office about one month, and as Mr. Rogers was my superior officer, all I could do was to persuade him to build the wing-dam. However, the ladder was built, but the alewives would not climb it. I saw myself a few fish enter the ladder, but they would return again. It being the very last of the fishing season, and the alewives so scarce, it could not be proved until the spring of 1877, so we left it with the hope it would be all that was required to let the fish up. Some time after the alewives made their appearance in the river in the spring of 1877, parties came to me with complaints that the fish would not go up the ladder, and wanted me to have it removed, but I said I would do nothing of the kind until I gave it a fair trial. After carefully watching the ladder and being satisfied the fish would not go through, I then removed that portion, which crossed the old fishway around the dam, and in doing so I took out seven dead alewives and one dead eel, and none of them above the third lock. A good many alewives went the old way, it being so late when the ladder was built. I do challenge Mr. Rogers to produce a man that ever saw an alewife go through one of the many fish-ladders he has had built in Shelbourne County. These are facts which cannot be denied, and I could give you the signatures of every man in the County to certify that this is correct.

Messrs. Stewart, Freeman & Co., at Jordan, opened a portion of the main stream to the head of the river. It will cost about \$300 to put Shelbourne River in a proper way to let the fish up, and on Clyde River about \$400. The work would have to be of split granite as the bed of the river is sandy. The river fisheries will be totally destroyed if some steps are not taken to let the fish ascend to their spawning-grounds.

I recommend to your Department the petition of the inhabitants of Roseway, for a resident Warden for Round Bay Brook, as a great many fishermen depend on the alewives from this brook for bait. I destroyed two dams and two fish-traps on it this summer, but being so far from any Warden it is impossible to protect it from poachers. They have chosen John Doan as a suitable person for Warden.

The close season for lobsters was strictly observed.

VICTORIA COUNTY.

DONALD McRAE, JR., *Overseer.*

I am happy to report that the salmon rivers in the southern division of this County are in good order. The Wardens are vigilant, and endeavoring to perform their duty well. As already stated, the only difficulty is at Middle River, where three wardens reside close beside one another, and it is a difficult matter for them to perform their duties satisfactorily. I would therefore recommend that a change be made in this district, and that another be Warden appointed between Wardens John McLellan and Donald McQuarrie's district, which is a most important part of the river.

I am also pleased to be able to report that fishermen in my district have had, during the past year, an average catch, although the fall mackerel did not strike in. Still, the spring catch was exceedingly good, which made up the loss. There were about 200 barrels of herrings used for home consumption, which are not entered in the returns.

The fish trap licensed by the Department caused quite an excitement among our fishermen and the surrounding districts. The fishermen are of the opinion that those traps will ruin their fishing-grounds if continued. There was a trap set which had no license, and I immediately ordered it up when the thing came to my notice, and had the owner brought up for violation, when he stated that the reason he set his trap without license was that he had made an application, and he was under the impression it would be granted although he had not received it. Consequently I imposed only a small penalty.

I also brought up the owner of the trap who had a license for violation of the law by catching salmon in said trap. The penalty in this case would not have been so light, only that he acknowledged his guilt and pleaded ignorance of the law. The feeling among fishermen in this district seems to be very much against this mode of fishery. Those who recommended last spring a license in favor of John McLean, declare they did not think at that time that the use of these nets would so much interfere with fishermen; otherwise they would not have done so.

I found it impossible to locate Messrs. Stoneman & Co.'s trap so as not to give rise to complaints; still the owner insisted on setting it, stating he was instructed to do so from headquarters. This I reported to the inspector at the time.

J. W. BURKE, *Overseer.*

You will find that cod were not so plentiful as last year, in May and June; cod-fishing was, however, good. Bait was very scarce. The squid which visit our shores in July struck as usual, but a heavy breeze of wind from sea swept along our coast, driving them in deep water, where the cod followed them. Mackerel were plentiful, but most of them small, so much so that it would not pay to send them to market. The catch of large mackerel was, however, greater than that of last year. The herring catch is small; some districts having only enough for their own consumption.

During the close season I gave my attention to the rivers night and day, especially in the night, and found several signs of trespassing. But by constant watching the intruders desisted.

YARMOUTH COUNTY.

ENOS GARDNER, *Overseer.*

The enclosed returns for the County of Yarmouth for the year 1878, show an increase of over \$130,000, as compared with those of last year. Although there have been a number of new vessels added those lost and sold from the County only leave an increase of one vessel over last year. A larger portion of the fishing vessels this year were engaged bank-fishing, which will account for the large proportion of cod in the returns. The bank and shore fishermen were successful in getting good fares, but at present the market for all kinds of fish is very low, and should there be no improvement, it will be a hard year for the fishermen, notwithstanding the large catch.

There were thirty-traps put down on our shores during the present year for mackerel. This makes a large increase in the return of mackerel, but with a few exceptions, these traps were not profitable to the fishermen. Mackerel were abundant in the Bay, but owing to a prevailing east wind during the season for this fishery, the fish did not follow the shore near enough to get into the traps, except in some outside traps. They were, however, of great advantage to the shore fishermen for a supply of fresh bait. The law regarding fish offal was strictly observed, it being carefully removed from the traps and used for manure on the Bay shore. At Pubnico and the Islands it was sold to lobster fishermen for bait. There is some complaint from net fishermen about lobster pots; they say that the fish offal used by them for bait is injuring the herring fishery by polluting the waters

inshore. The lobster industry is getting to be quite important, and if they are not allowed to use the fish offal for the purpose of catching lobsters, it would of course destroy this fishery.

I regret that I cannot give a more favorable account of our river fishery. The catch of alewives is a little better, but salmon fishing is very small. At the beginning of the season both these fisheries promised to be good, but after a few weeks they fell off very suddenly to almost nothing. Early in the season there was a good freshet, and the fish went up well, but during the summer and autumn the river was very dry, and the young fish had but a poor chance to get down. In many places they were assisted, or they could not have got from the lakes. Eel weirs were found at several places on the river, which caught quite a large number of young fish. These were taken out and destroyed whenever found, and some of the parties were complained against and fined. It is difficult to prove the ownership of those eel weirs, as the parties who put them in are very shy, and it is hard to catch them fishing. These violations occurred mostly in Warden Wm. Kavanagh's district, at East River, and as complaints came from several persons that no attention was paid to the regulations there, and that no enquiry, I found this to be the case, I made an arrangement with David Hurlburt to give him half the fines on all parties he could catch putting in eel weirs or violating the regulations in any way. He made complaints against several parties for doing so, but could only get convictions against two. He also complained against Abraham Kavanagh and his sons for taking a large quantity of alewives on Saturday, one of the close days; they were fined. In talking the matter over with Warden Wm. Kavanagh, a short time ago, he said he was indifferent about the office. The salary was too small, and he would get the ill-will of his neighbors if he complained against them, and particularly his brother Abraham Kavanagh and his family, who nearly monopolize the fishery at the Long Falls. He did not wish to have a quarrel with them. He certainly does not discharge his duty faithfully, and I think that if David Hurlburt was appointed in his place for the East River district it would be a great improvement and advantage to the river fishery.

In 1876 Mr. Rogers filled in the river where its course had been altered by Mr. Edward Reynard, and fined him, and made him pay the expenses of filling in and removing obstructions. Last year Mr. Reynard died, and his property is in the hands of his widow and sons, and will be sold early in the spring. Some persons, this autumn, opened the passage that was filled up, and also put in obstructions just as bad as those removed by Mr. Rogers.

You will observe that a large increase of vessels is put down in the district of Yarmouth town. The reason is that Messrs. W. A. Killam & Co. removed their establishment from Pubnico to Yarmouth, and their vessels—eleven—went with them.

As usual, I visited the mill-dams in my district, and found them generally all right and open where required. The fish-ladder at Carleton was kept in good repair, and some fish do go up. On the 19th August I was there and saw a large quantity of young fish coming down, but still I do not think the passage sufficient for a large increase of fish. This river used to be the best for alewives of any in the county, but at present it is the poorest, and the fishermen on the river do not get fish enough for their own use.

The lobster factories have been well looked after, and the persons in charge show every disposition to observe the law and regulations.

APPENDIX No. 14.

REPORT OF W. H. VENNING, Esq., INSPECTOR OF FISHERIES FOR THE PROVINCE OF NEW BRUNSWICK, FOR THE YEAR 1878.

St. JOHN, N. B., 31st December, 1878.

Hon. J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR.—I have the honor to submit the following report and remarks on the Fisheries of New Brunswick during the past year:—

SALMON FISHERY.

The increased facilities for getting fresh salmon to western markets given by the introduction of refrigerator cars have greatly stimulated the export of this fish. This increased demand has led to a greatly increased pursuit of this fishery in all localities to which salmon resort. Numbers of men who never before engaged in this business, are making application for new fishing stands, which, if granted, cannot fail to impose on this fishery all the disastrous results of overfishing, which have almost exterminated shad and gasperaux, and are now threatening to destroy bass and smelts. If this tendency to excessive fishing is not checked, all the advantages now being derived from protection and artificial culture will soon be lost. These remarks are especially applicable to the Counties of Northumberland, Gloucester, and Restigouche. In the former, as there is no chance now to increase the number of stands, seeing that every available place is occupied, the fishermen seek to gain their end by annual petitions for permission to extend their fishing into the close season. In the latter two counties nets are being multiplied to such an extent that, while the aggregate catch is largely increased, the average catch of each fisherman scarcely pays for outlay and labor.

In former annual and special reports, now on record, I have called the attention of your predecessors to the destructive practice of drifting for salmon, to which I respectfully beg to refer.

It is alleged that outside of three miles from shore, the jurisdiction of fishery officers ceases, and that they have no authority to enforce the *Fisheries Act* beyond that limit. In a case recently tried in Restigouche County, which is still before the Courts, the Judge is said to have laid down the dictum:—"Outside of three miles a man may legally fish when, where and how he pleases."

If this opinion is sound, and our law is really insufficient to prevent this destructive practice, it will be absolutely necessary, for the preservation of the salmon fisheries, to procure the requisite legislation to supplement it.

Should this mode of fishing be permitted and become general, nothing can save our salmon fishery from ultimate extermination, and in the meantime a great injustice will be done to all who now pay license fees for the privilege of fishing in accordance with the law, by those who claim exemption from all its provisions.

BASS FISHERY.

In the St. John River this fishery has continued to improve ever since the close season has been enforced. In Gloucester also, where the fishery is pursued mostly

by hook and line, the catch is increasing; but last year and up to the present date this season the fishery in Northumberland and Kent has scarcely been remunerative. There can no longer be any doubt that overfishing and the great destruction of gravid and young fish, have led to this result. Formerly, the seines were the great source of this destruction; but for the last two years the bag-nets used in the smelt fishery have largely aided them. Since the smelt fishery commenced this season, many tons of young bass not four inches in length have been taken in the bag-nets and utterly wasted. Bass are now bringing readily at the fishing holes in the North-West Miramichi River, twelve cents per lb., while smelts are bringing but one cent for culled fish. The folly of killing tons of young bass worth, when mature, twelve cents per pound, for the sake of taking smelts must be too apparent to you to need further comment. This terrible destruction of bass, too small to be of any value for commercial or domestic use, is greatly to be deprecated, and I cannot but regret that my earnest and repeated warnings of the inevitable consequences were allowed to pass unheeded by your predecessor. I can now only repeat my conviction that if this destruction of the young fish in winter by bag-nets and of gravid fish in spring by seines is allowed to continue, this important fishery, once the most valuable in the Counties of Northumberland and Kent, will in a very few years be utterly and hopelessly destroyed, for artificial culture has not yet succeeded in hatching the spawn of this species.

In my last annual report I made the following remarks on this fishery, and I beg to repeat them here as proof of the absolute correctness of the opinion then expressed. I have only to add that the conviction above recorded will be found just as correct if the warning now given is much longer unheeded: "Bass are now bringing to fishermen from nine cents to twelve cents per pound, and are consequently more valuable to them than salmon, which brought only six cents per pound the past season. The catch, however, is not so large as that of last winter, and unless the destruction of young bass is immediately stopped, that of next winter will be still smaller. The results of the great waste of gravid fish that has been caused of late years by spring fishing, are now plainly to be seen in the falling off which marks this winter's yield. Nothing short of the measures I have urged will keep up the supply of this valuable fish. The experience of the past has proved that the nets set ostensibly for bass, after the 1st September, have taken more gravid salmon than bass, and the profit obtained from the latter does not compensate for the loss sustained by killing the former. Hence it will be advisable to confine all bass fishing between the 1st September and the freezing of the rivers to hook and line, by which mode nearly as many bass will be taken as the nets capture, and a serious destruction of gravid salmon will be prevented."

SHAD FISHERY.

This fishery still continues to decline. There can be no doubt that the falling off is due to overfishing. Every year, the contest between reproductive powers of the fish and the destructive power of fishermen is becoming more unequal. Unless some protective measure is provided, the result is no longer doubtful. There can be no question that a great many young fish are killed in the brush weirs, and possibly the suppression of these everywhere might have beneficial results. A close time of three days in the week would doubtless help the fish in their struggle for existence. But any restriction on the catch would be considered a great hardship by those who pursue the fishery. In their devotion to present gain and their utter blindness to inevitable results, all fishermen are much alike, and it becomes the duty of the Government to restrain them from the total destruction of the stock upon which their present and future livelihood depends.

GASPERAUX FISHERY.

As all my former reports have predicted, the catch of this valuable fish is every year becoming less. In Miramichi, where formerly an annual catch of some

thousands of barrels was a common yield, the fishery is now scarce worth pursuing while in all other counties it is dwindling into insignificance. In St. John Harbour and River, which formerly yielded an enormous annual catch, the fishery has of late years declined so steadily that its speedy extinction is now threatened. The cause of this falling off is everywhere the same—excessive and wasteful fishing. In St. John Harbour this over-fishing is supplemented by the destruction of vast quantities of young fry in the weirs, which it is said to be impossible to separate from the adult fish. This destruction of small and useless fish is so great, that it will be hopeless to look for any improvement as long as it continues. In my last annual report, I considered it my duty to state that I saw no reasonable grounds to hope that this valuable fishery would ever regain its former importance. The experience of another year leaves me no room to doubt that it will continue to diminish year by year, simply because the reproductive powers of the fish are not able to keep up the supply in the face of the yearly increasing numbers of those who engage in their capture. All the fish taken are parent fish on the point of spawning, and it cannot be expected that if all the breeding stock is destroyed an undiminished supply of young fish can be kept up. If some measure of protection is not at once provided, the total extinction of this species in our waters is as certain as anything yet future can be. In my last report I urged, as the only reasonable hope of preserving this food fish in our waters, the total prohibition of its catch everywhere for three years; after that, to allow fishing only two days in the week until it was shown that the increase would permit of three days' fishing in each week. I can only repeat my strengthened conviction that beyond this the natural increase of the fish will not allow, with any safety to the preservation of a stock, sufficient to keep up such a supply as will stand even this annual drain. I am well aware that this measure, or indeed any measure of protection that will be effective, will be met by a most determined opposition on the part of fishermen and dealers; but the choice now lies between a temporary privation of three years, with a reasonable hope of increased profits afterwards and a total deprivation for all time, by a law of nature from which there is no appeal.

HERRING FISHERY.

This fishery shows a falling off in every county, except St. John. Less than an average catch of qualities suitable for smoking and salting was made in Charlotte County, but increased quantities of fresh frozen fish have been marketed at very remunerative prices. The smaller sizes have been put up as "sardines," and this branch of business will probably grow into one of considerable importance.

Overseer McLaughlin, of Grand Manan, who is well informed on the subject, surmises that the reappearance of the herring on the northern coast of Europe may be owing to a large migration from this side of the Atlantic. If this opinion is correct, it will account for the falling off in our waters.

In the northern counties, the catch shows a decrease which is there attributed to the increasing operations of American fishermen, and to the large purse seines employed by them. But it is quite possible that Mr. McLaughlin's explanation may offer the true solution of what is otherwise involved in mystery.

SMELT FISHERY.

The wasteful and destructive mode in which this fishery has been carried on for the last two years still continues, and calls loudly for some restrictive measures. The enormous quantities that have been put upon the markets have kept them glutted to such an extent that the prices obtained have left no profit for shippers, while those paid to fishermen have scarcely remunerated them for the time and labor expended on their catch. At present the price quoted in American markets is but three cents per pound, not sufficient to pay the charges for freight, cartage and commission; that paid the fishermen is but one cent per pound for culled

fish. Were there no other objection to the use of bag nets in this fishery than the over production which makes it unremunerative alike to fishermen and shippers, they might be left to work their own cure. But from personal observations made on my last visit to Miramichi, and from evidence collected there from fishermen as well as from local officers, I am led to believe that for every ton of marketable smelts exported, nearly half a ton of small smelts, young bass, tom-cods and flat fish is wasted. I saw vast quantities of small smelts and tom-cods lying on the ice and in the neighborhood of the packing houses, which I was informed were sold at ten cents per barrel for the purpose of making compost for manure. The destruction of young bass is greatly to be deplored, as this fish, when mature, is the most valuable and profitable species caught in our waters. It now commands twelve cents per lb. on the ice, and affords shippers a handsome profit in western markets. Were it not for the serious consequences involved, there would be something grimly ludicrous in the idea of grown men, possessing common sense, destroying tons of young bass, worth when mature twelve cents per pound, in their pursuit of a fish which yields them less than one cent per pound. The bass thus destroyed would, in a year or two, be more valuable than salmon, and the smelts thus wasted, because they are too small for market, are of more value as food producers for deep-sea fish than they can possibly be for manure. Indeed, this enormous waste of young smelts and tom-cods must inevitably have a most injurious effect upon the coast fisheries, for it destroys the food or bait which attracts the deep-sea fishes to our coasts and bays. When, owing to the waste of the anadromous fishes which produce the supply of food, the deep-sea fishes can no longer obtain it, they will desert our coasts and seek in other waters that food which ours will no longer afford. For this reason, if for no other, the present mode of conducting the smelt fishery should be restrained, and it is a question for grave consideration whether the proper protection of our fisheries will not require the prohibition of bag-nets everywhere, for no fishery can long stand the drain so large an annual destruction will make on it. This is no mere assertion, for we have the experience of the neighboring States in this very fishery, as a warning of the inevitable consequences. In Maine, Massachusetts and New York, where formerly this fish was almost as abundant as it is now in our waters, smelts have become very scarce from the same causes that are at work in this Province. These States are now dependent on our fisheries for their supply; Boston and New York furnishing the principal markets for our shipments. These States have found it necessary to make stringent laws for the preservation of the species in their waters, and we should not ignore the lesson they teach us. The following extracts from their law will show how they protect it;

"1st. Whoever offers for sale, or has in his possession, any smelts between the 1st day of March and the first day of June, in each year, shall forfeit for each and every smelt so sold or had in his possession the sum of one dollar.

"2nd. Whosoever takes or catches any smelt or smelts with a net of any kind, or in any other manner than by naturally or artificially baited hook and hand lines, shall forfeit for each and every smelt so caught or taken, the sum of one dollar, and the burden of proof shall be upon the defendant to show that they were legally caught."

The leading papers of the Province have recently called attention to this subject and deprecated the wasteful mode in which the fishery is being pursued, and as I write, the following appears in the morning's issue of the *Freeman*, the editor of which is the representative of the County of Gloucester, where the fishery was once profitable, but where it is now abandoned in consequence of glutted markets and remunerative prices:—"The reckless destruction of smelts in the Miramichi must soon render the fishery worthless. Meantime, the price has fallen so low in the American markets, because of the enormous quantities forced upon them, that in several instances the proceeds of the sales were not sufficient to pay the cost of forwarding. Surely something should be done to prevent this desperate waste."

In view of these facts, the time has come when this monstrous waste ought to be looked at with the eye of common sense. What are the facts? This is but the

third season of its existence as a systematic and organized fishery. The returns in the Tables show that in these three seasons it has grown from nothing to its present vast proportions. These returns, which fall far short of the whole catch, show that 1,213 tons of smelts have been shipped. Add to this large quantity half as much more for small smelts, young bass and tom-cods wasted, and take into account that these returns are only made up to 31st December, that two months more of this destructive work will continue, and we will have the astounding quantity of at least 2,000 tons of smelts and young bass, tom-cods and flat-fish taken from our waters in a single winter. Is it creditable that any fishery can stand this annual drain? If this enormous quantity of fish, sent out of the County, brought any considerable amount of money into it, there might be some faint excuse for allowing it to continue. But with one cent per pound paid to fishermen, and but three cents realized in American markets, it is quite plain that no profit can accrue, and that no money comes back to the Province. This is shown by the above extract, and is corroborated by the accounts sales that have been published, copies of which were sent you recently in a special report.

LOBSTER FISHERY.

This fishery also is threatened from over production, and serious grounds exist for fearing the same depletion of our waters that has taken place in the neighboring States. In my last Annual Report I made the following remarks, and as they are even more applicable now, I cannot do better than repeat them: "The catch of lobsters continues to increase, but the average size of the fish continues to diminish. The increased catch is caused by the larger number of persons engaged in the fishery, to supply the demands of new factories which are constantly being opened. The decrease in the size of the fish is caused by this excessive fishing, and the time is not far distant when the average size will be so reduced that the business will yield but small returns. In some localities it takes three and even four lobsters to fill a pound can, and as each of these requires more handling than a five pound fish, it follows that the labor is increasing while the profits are diminishing. In some places the canners are asking for more protection, while in others they complain that their operations are impeded by a close season that commences too early."

I still hold the opinion expressed in all my reports—because accumulated experience proves it correct—that the present close time is not sufficient to give this shell-fish the protection necessary to foster its multiplication and growth. Almost everywhere the business is increasing, and the catch becoming annually larger. The first phase of exhaustion has been passed. The largest sized fish are now rarely to be seen, and the average size has decreased from four and three pounds to two and a half and one and a half pounds, and even of these the supply in some localities is falling off. These facts have been indisputably proven by evidence now on record, and the question for the Department to consider is, whether it is not advisable to restrict the catch within reasonable limits before the fishery becomes as completely exhausted as it is now in the neighboring States?

OYSTER FISHERY.

With respect to this once valuable fishery, I can only repeat the oft-told tale of its rapidly approaching extinction. The beds that now remain yield but small returns for excessive and laborious raking. This yield is every year becoming less and the size smaller. The close time affords no adequate protection because the constant raking of the beds prevents the growth of the young. There is no system, no care, no thought for the future. Nothing but blind and ignorant labor, year after year, in raking the nearly exhausted beds. As no effort at artificial culture has yet been made in this Province, and as none of the beds are allowed the rest necessary for their recuperation, the total extinction of all is inevitable and not far distant. The only

protective measure I can now suggest is a compulsory rest of several years, and after that, stringent regulations for the proper working of the beds in such rotation as will permit the fish to multiply and the young to attain maturity.

ST. JOHN HARBOUR FISHERIES.

In former reports I have directed attention to the manner in which the fisheries are pursued inside and outside the Harbour of St. John. Especially have I called attention to the injurious effects produced by the practice of drifting for salmon, and pointed out how unfair it was to those who are compelled by law to pay either a license fee to the Dominion Government or a price to the Corporation of St. John for the privilege of fishing. The fisheries of the Harbour and River are year by year growing less and less, and year after year this pernicious practice of drifting, which the *Fisheries Act* prohibits, is allowed to continue without check or hindrance. While all other salmon fishers are compelled to pay for the privilege of fishing in accordance with the law, these drifters, under the plea of being outside the jurisdiction of officers, claim exemption from all its provisions. The whole subject of the Harbour fisheries of St. John, as now conducted under the control of the Common Council, requires revision. The weirs and seines in the Harbor destroy vast quantities of young fish, and no effort is made by the Council to prevent it. The Harbor virtually controls the fisheries of the whole River, and no fewer than seven counties are dependent on this River for their fish supplies. All these are at the mercy of the Common Council and the fishermen of the Harbor and Bay. The subject is of great importance, and the serious falling off in the fisheries of both Harbour and River, in consequence of the destructive manner in which they have been pursued, calls loudly for some immediate Departmental action. All the Council seems to care for is to secure the proceeds of the sale; the protection of the fisheries seems to be a matter of small concern.

SAW-DUST AND MILL REFUSE.

In every Annual Report made to your predecessor, I have called special attention to the injury that sawdust and mill refuse have caused and are still causing to the fisheries. I regret to say that nothing effectual has been done, and the evil is increasing, rather than diminishing, in all the counties where lumbering is pursued and saw mills are in operation. Mills are being multiplied all over the Province, but no proper provision is made for disposing of their sawdust and rubbish. The great bulk of these are either thrown into the streams or deposited on the banks in such positions that every freshet washes it into them. The effects of this on the fisheries I have constantly pointed out, and urged on the Department the necessity of abating them; but the influence of mill owners and politicians has been sufficient to set the law aside, and the monstrous evil continues unchecked. On the Upper St. John all, or nearly all, the mills dispose of their rubbish by placing it in the River.

In the County of Carleton alone there are now thirty-six mills of various kinds and the whole of their rubbish is allowed to pass into the River. This has entirely ruined the fisheries in that County, and has had a most injurious effect upon the salmon and shad fisheries along the whole extent of the river. If this is allowed to continue but a few years longer there can be no doubt that it will destroy the fisheries, for it is fast covering the spawning grounds and driving the fish from their accustomed haunts. In view of these facts I would most respectfully urge that all fishery officers be instructed to enforce the law, and that they be sustained in their efforts to compel mill owners to comply with its provisions. To this end I would urge that the draft circular submitted to your predecessor in my letter on this subject, dated 23rd December, 1876, be at once printed and sent to every Overseer in the Province, with special instructions to act as it directs.

FISH CULTURE.

The steady falling off in the three most valuable food fishes which resort to the St. John River, viz: salmon, shad and gasperaux, has become so marked of late years that there are substantial grounds for apprehending their total extinction at no distant day. Advancing civilization is producing its usual results. The settling of the country, the clearing up of the wilderness, the extension of lumbering operations, the multiplication of mills, and above all, the increasing extent to which fishing is pursued along its whole extent, all combine to alter the old condition of things, which were more favorable to the natural increase of fish. It is not a matter of surprise that the supply is becoming less, because the breeding stock is yearly becoming smaller.

The only remedy I can suggest for this natural result is the extension of artificial hatching. By the natural process it is shewn by those who have made the subject a special study, that not over five per cent of the eggs deposited by a female salmon are developed into young fish. By the artificial process it has been proven that seventy-five per cent can be hatched with certainty. A hatching-house for salmon at some suitable place on the St. John River, and the artificial process of hatching shad, might yet restore these fisheries to a healthy state.

At a comparatively small outlay several millions of young salmon and shad might annually be placed in the river. These, in addition to the natural increase of the parent fish that reach their spawning places, would keep up the supply and replace the drain now annually made on the diminishing stock. The seven Counties through which the St. John flows before the Grand Falls are reached, would all derive benefit from this expenditure. There is no river in the Dominion where an extensive hatchery would so well repay the expense of its establishment and support, nor is there one which so much needs its assistance.

The following remarks on the fisheries of the several Counties, and the returns accompanying them in tabular form, compose the substance of the reports received from the several District Overseers.

RESTIGOUCHE COUNTY.

OVERSEER MOWAT, of the upper division of this County, reports the catch of salmon to be double that of last year. This great increase he attributes almost entirely to the success of artificial culture, which has added so largely to the natural stock of the river. He reports that this increase in the catch of those fishermen who have pursued the business through all the years when it scarcely paid them for outlay and labor, has incited a great number of persons, who never before engaged in the fisheries, to apply for licenses for new stands to come in between the old fishermen. As it is quite impossible that the number of stands can be increased with a due regard to the continued prosperity of the business, these applications will require careful consideration, and a report from Overseer Mowat, or myself, upon the merits of each, with a view to prevent the over-fishing which will soon counteract all the advantages gained from years of careful protection and culture. In no case should a new stand be licensed unless a clear space of 800 yards will be left between it and the next stand above and below it. I consider this absolutely necessary to the continued prosperity of the fishery. In this division no other fishery is pursued for commercial purposes, although large numbers of trout are taken for home consumption, and by anglers for sport.

OVERSEER FERGUSON, of the coast division, also reports that the catch of salmon was double that of the previous year; and he also attributes it to protection and artificial culture. He reports the lobster fishery as having been good, and mentions the erection of a new canning establishment at Armstrong's Brook. Mackerel and codfish were plentiful, but these fisheries are not largely pursued in his division. For the last few years political influence has been allowed to interfere with that provision of the law which provided for the observance of a weekly close time. All the nets

in this division have been allowed to remain in fishing order from Saturday night to Monday morning, in direct violation of the law. The pretence has been that it is not practicable to raise them. There is really no force in this excuse, for on the opposite side of the bay, where any difficulty that exists is even greater, the law is duly observed, except in rare instances of severe gales. All that is necessary is to open the hooks or pounds so that the fish can pass through them; and this can always be done except in rare cases. I cannot too strongly urge that this objectionable tampering with the law through political influence be sternly repressed, and that all Overseers be required to enforce it impartially everywhere.

GLOUCESTER COUNTY.

OVERSEER HICKSON has sent a full report of the several fisheries pursued in his County, of which the following is the substance:—

While salmon were more plentiful along our whole coast during the past season than they have been for many previous years, the catch has not been largely increased. This was attributable to the very rough weather which prevailed during the early part of the summer, preventing fishermen from setting their nets until long after the usual time. Having succeeded in getting them set, they were driven ashore no fewer than three times by as many violent storms. These mishaps greatly discouraged the fishermen, particularly those of Salmon Beach, in the lower part of the district, who sustained severe losses, and were unable to take advantage of the largest runs of fish. In this County, also, numerous applications are being made for new stands by persons who never fished before. The same remarks made in reference to Restigouche County are applicable here. The tendency is to an undue multiplication of nets. I would here also recommend that no new stands be licensed without a special report on each application; and that in no case should *new* stands come closer to old ones than 800 yards on each side. The catch of herrings at Grand Anse, Caraquet, and all along the coast from Bathurst to Shippegan, was very good. This was a great boon to the poor people who, with but little outlay, were able to secure enough fish for their families. The lobster fishery, which in Gloucester is next to that of salmon in importance, is largely increasing. New canning establishments are being erected every year, and there are now no fewer than six in operation. This shell fish is yet plentiful in the county; but there seems to be more than usual difficulty in getting bait necessary to keep the large number of traps employed. The smelt fishery, which was formerly a profitable business in this County, is now abandoned in consequence of glutted markets and low prices, caused by the enormous quantities of inferior fish sent forward from Miramichi and other places where bag-nets are allowed. The price now obtained is too small to induce any one to fish for smelts with hook and line, which mode of fishing formerly gave employment to a large number of poor families.

The Nepissiguit River was well stocked with salmon during the whole season; but, owing to the great height of water, angling was not so good as in former years. During the early part of the season the fish nearly all went up the tributaries, where they remained until the water fell. Though the river was well stocked with parent fish in the fall, Overseer Hickson is strongly of opinion that in consequence of the great drain made on it by constant angling and the increasing coast fishery, it needs assistance from the neighboring hatching-houses. As both these houses are now well supplied with ova, and the brood of young fish promises to be large, I would respectfully suggest that not less than 200,000 from each house be next spring planted in the Nepissiguit, so that this County may receive a fair share of the benefits to be derived from artificial culture. The Gaspereau fishery, in this County, has been failing steadily for years; but this year the catch has dwindled down to 860 barrels, against 3,120 last year. This fishery may now be considered practically at an end in Gloucester. It is questionable whether a sufficient remnant is left to restore it, even under a compulsory rest of several years.

NORTHUMBERLAND COUNTY.

The returns from this County show a falling off from the catch of last year, which I account for from the fact that there are no returns from Escuminac district, the Overseer having been dismissed and his office abolished—for what reason I have not been officially informed. The district is a most important one, in which the principal part of the lobster and herring fisheries is carried on. Overseer Wyse was the most intelligent and active officer in the lower part of the river, and his dismissal has left an important district without any supervision. He informs me that he was dismissed in consequence of his political support of the late Member for the County, and contrary to a requisition signed by a majority of the leading fishermen and dealers that he would not resign his position. The requisition ought to be on record in the Department. So far as I am aware, the only charges ever substantiated against Mr. Wyse were activity, faithfulness and impartiality in the performance of his official duties.

OVERSEER WILLISTON, of Bay du Vin district, reports salmon as having been more plentiful than during the previous season; but that owing to the boisterous and stormy weather that prevailed there, as well as in Gloucester County, the fishery could not be carried on effectively in consequence of damage done to nets and fastenings. The fall fishery for herrings and mackerel, which was formerly an important industry in this district, he reports as a total failure; and he attributes it to the increasing operations of American fishing vessels in the bay and inshores. Overseer Williston forcibly expresses his opinion that if bag-nets for smelts are allowed to operate as they are now doing, they will soon utterly destroy the bass fishery.

OVERSEER ROBICHAUX, of Neguac district, again reports a very poor catch of herrings and mackerel, which he also attributes to the large purse seines used by American fishing vessels both inside and outside the bay. The catch of salmon in this district was curtailed by stormy weather, and serious damage done to fishing apparatus, which was a subject of regret, as the fish were more plentiful than usual. A letter just received from Mr. Robichaux, in reference to the smelt fishery, states that its continued prosecution, as now conducted, must have an injurious effect on the supply of food for the deep sea fish which seek it in the waters of the bay.

OVERSEER BLAKE, of Tabusintac, reports that the gaspereau fishery, which was formerly the principal one in the district, has been a failure, in consequence of the almost total disappearance of the fish. This is the natural consequence of all destructive use of the seine, and the same result will certainly follow its use in all localities where it is permitted. For the last three years a considerable number of young salmon from the North Esk hatching-house has been annually placed in the Tabusintac head waters, and it is very gratifying to find that Overseer Blake reports large numbers having gone up the river last fall. Overseer Stymast also reports that salmon were seen in large numbers ascending the river. This officer states that large numbers of young bass are killed in the bag-nets used for taking smelts, and he expresses his conviction that their continued use will soon exterminate both smelts and bass.

OVERSEER RUSSELL, of Portage Island and Burnt Church District, reports a large falling off in the catch of salmon in the lower part of his division, which he attributes to the heavy storms during the fishery season. In this he is no doubt correct, as in the upper part of the district there was an increased take compared with last year. The catch of bass was very small, which he attributes to a scarcity of this fish. He expresses no opinion as to the cause of this falling off in the stock of bass; but there can be no doubt that over-fishing and destruction of the young by bag-nets will fully explain it. He states that a large number of persons were engaged in the smelt fishing last winter in his district, and that a large quantity was taken; but that in consequence of glutted markets and low prices, the business was unremunerative. A letter just received from Mr. Russell, respecting this fishery as at present carried on in his district, states that smelts are now bringing on the ice but three-quarters of a cent

per pound; that from 25 to 30 per cent. of those now caught are too small for market; that the great quantities taken in the bag-nets must lessen the food of deep sea fishes.

OVERSEER PERLEY, of Chatham District, reports that salmon were very plentiful until about the 20th June, when they began to fall off, and were scarcer to the end of the season. He assigns no cause for this, nor expresses any opinion in explanation of the unusual occurrence. He reports a great scarcity of gaspereaux and a very small catch. The bass and shad fisheries were failures, and hardly worth taking into account. The catch of smelts was very large in the aggregate, but not surprising, considering the number of bag-nets employed in their capture. This officer gives his opinions on the smelt fishery, and as he no doubt considers them very valuable, I will record them *verbatim et literatim*. He says: "In my opinion (if it could be put a stop to) that no smelt bag-nets should be allowed to fish on the Miramichi River opposite the Town of Chatham, for this reason: I find that there is no place in the district that there are so many small bass caught as in that locality. I would recommend that this fishery (if allowed) should be confined from the east end of Middle Island to Miramichi Bay on the main river, and no bag-nets whatever be set to west of that island. I think there is about four tons of waste fish taken for every ten tons of fish suitable for market. If this fishery could be carried on in a small way, it would be better, but 159 of these bag-nets, worked by 180 men and boys, is far too much in one district. This is my opinion of the smelt fishery; but perhaps it will work its own cure, as many of the fishermen did not make enough to pay their board last winter." Though I have given the above opinions of Mr. Perley just as he expressed them, I must add that some of them are so much at variance with the opinions of other officers and fishermen, and so contrary to my own personal observations during the last three winters, I consider them entitled to no weight. The testimony of officers Robichaux, Williston, Stymast and Russell show that young bass are killed as well below Middle Island as above it; and my own observation at Black Brook and Napan fully corroborates their statements. With some of his opinions, however, I agree. It would, indeed, be much better to compel the fishery to be carried on in a smaller way. As at present pursued, the smelt fishery will soon "work its own cure" by exterminating the species. But, unfortunately, in doing this it will also destroy the bass fishery, the most valuable and profitable one in the county. Nor are these the only consequences which will flow from its continuance. It will destroy the principal sources of the food supply which now attracts deep sea fishes within the reach of our fishermen. All these deplorable consequences are certain to follow the present wasteful and destructive mode of pursuing a fishery which now yields but an insignificant profit, if any, to either fishermen or exporters.

OVERSEER HOGAN, of Newcastle and North Esk District, reports a largely increased catch of salmon, but a great falling off in that of bass, shad and gaspereaux. The prices obtained for bass last winter, and the still higher prices they command now, is a great incentive to resort to illegal modes of capturing them. As the fishing is done entirely in the night, it is extremely difficult for him to detect and punish violators of the law. All the officers in the bass district, except Warden Russell, are engaged in the fishery, and give little or no assistance in the disagreeable task of detecting their fellow-fishermen in illegal work. Year after year I have reported these facts and asked permission to authorize Overseer Hogan to employ an assistant for the efficient performance of the arduous and unpleasant duty of watching and detecting fishermen whose utmost ingenuity is exercised in evading the requirements of the law. But no such permission has yet been given, and Mr. Hogan is without the help absolutely necessary to enable him to protect the fishery. He reports that the enormous destruction of young bass and small unmarketable smelts by bag-nets described by him last winter, is being pursued on a still larger scale at present; and he again urges the necessity of prohibiting this monstrous waste. He strongly recommends that no bass-nets be allowed in North Esk until the ice is formed, as the only fish taken in the so-called bass-nets set in October, are gravid salmon. I fully agree in the advisability of this measure, and in view of the

great destruction of young bass that has now gone on *unchecked for three winters*, and the additional destruction of gravid fish by seines in the spring, I must again repeat my conviction that the preservation of this fishery demands a prolongation of the close season, which, for some years at least, should be extended from the beginning of March to the end of October. I consider that the greater part of the young fish produced for three successive years have been destroyed by the bag-nets. If this opinion is correct, as my observations lead me to believe, it is plain that, to make up for the loss, the annual drain on the remaining stock should be considerably curtailed.

OVERSEER CUSHMAN, of Upper Nelson and Derby, reports a good catch of salmon in the early part of the season, but states that it fell off greatly towards the close. The catch of shad and gasperaux was smaller than ever before known. The information given by this officer is of the most meagre description, the above being its entire substance. From other and reliable sources, I have reason to believe that much illegal fishing was done in this district, and was continued for weeks after the close time was commenced. In my last annual report I had occasion to make a similar statement, and I laid before your predecessor the evidence on which it was founded. I regret to add that the state of the district has not improved during the past season.

OVERSEER UNDERHILL, of Blackville District, sends the following report, which has at least the merit of brevity. "We had a very fine run of salmon in the river this season, the best that has been for a number of years. The salmon were very large. The fishermen did a good business. I have known them to take as high as twenty dollars for a day and night's fishing. I should like to have a warden appointed at the forks of Cain's River, and also one at Indian Town." This officer's report of last year was of the same meagre description, and they both show but little appreciation of the important duties entrusted to him. Last year I was obliged to report that, from reliable sources, I had very definite information which showed that more lawlessness and illegal fishing prevailed in his district than in any other division on the whole course of the river. I regret to have to say that further information to the same effect, received during the past season, goes to show that spearing, drifting, Sunday fishing and illegally set nets are the prevailing rule in the district, which is the more to be deprecated as this part of the river is the key to all its upper waters. The facilities for poaching are here so great, that the whole run of fish may be intercepted and taken. It is quite impossible that this state of things could continue if the overseer and wardens paid even partial attention to their duties. I have reported the facts so often, that I am at a loss to know what more I can say or do to have the disgraceful state of things improved. The remedy is beyond my reach—the disease requires active treatment from headquarters, which I trust it will now receive at your hands.

OVERSEER THOMAS TAYLOR, of Blisfield District, reports a good run of salmon, which the high water and running lumber in the river, at the time of their appearance, enabled to pass up. He still reports much illegal fishing in the districts below, and I regret to say there is too much reason to believe that his statements are correct. The officer in this district requires the constant use of a canoe. In my last report I requested that Mr. Taylor should be allowed to purchase one. This permission was not given; and I now repeat the recommendation, as the canoe is necessary in the performance of his duties.

OVERSEER FREEZE, of Doaktown, reports gasperaux as having become so scarce that only a few persons in the district attempt to fish for them. He says a few were caught, which shows that a small remnant still fights a desperate battle for existence. A compulsory cessation from fishing for several years might enable these to multiply, but I much fear the matter has been delayed too long. Mr. Freeze reports that large drives of lumber in the river, during the month of July, prevented the usual over-fishing, and enabled large numbers of salmon to get up river under better protection than overseers and wardens could render. The report of this officer shows a most determined disposition on the part of poachers to evade the law in every conceivable way, and it is a matter of impossibility for a single officer in this district to do much

in the way of apprehending them. The most he can do is to seize the illegally set nets and confiscate the canoes and spears which their owners desert when in danger of apprehension. He is watched much more effectually than he can watch the poachers; and the fact has become apparent, that as this is the case along all the upper waters of this river, the machinery at present in operation is quite inadequate to secure a due observance of the law where the facilities for evading it are so great.

OVERSEER CAMERON, of the Upper District of the South-West, reports that the whole catch of gaspereaux in his division did not exceed five barrels. Salmon were more plentiful than last year, for the reason given by Overseer Freeze,—the drives of lumber preventing the setting of nets in the lower part of the river. Mr. Cameron again states his opinion that no nets should be allowed in the river above the head of the tide; and again I must repeat my conviction that nets should never be allowed on the spawning grounds of salmon. As long as this outrage on common sense is permitted, it is simple folly to hope for any improvement in the fishery, except by an extensive system of artificial hatching. In concluding my observations on the fisheries of this county, I can only repeat to your Honor what I have endeavoured to enforce upon your predecessors in office, that in no other river in the civilized world, so far as I am informed, are salmon allowed to be netted on their spawning beds, after escaping the toils of innumerable nets from the mouth of the river along a course of over a hundred miles. The comparatively few fish that succeed in reaching these spawning beds, after running the gauntlet of a perfect maze of nets, should be allowed to propagate undisturbed. In all my former reports I have felt it my duty to give expression to this conviction. Every year's experience not only strengthens it, but proves beyond dispute that if the breeding fish are systematically destroyed year after year, the fishery must in time—and that time is fast approaching—most certainly be destroyed.

KENT COUNTY.

OVERSEER SUTHERLAND, of the Upper Division, reports that the catch of both salmon and lobsters is about the same as last year, while that of mackerel, cod and herring is in excess. The depression in the lumber business has had the effect of stimulating these branches of fishing, and he expects to see them carried on much more extensively during the coming season. These fish are plentiful on the coast of this county, and the facilities for pursuing them are unsurpassed.

OVERSEER CORMIER, of the Lower District, reports an average catch of all kinds of fish during the past season. The lobster fishery shows a large increase; additional canning-houses are being built, and every year adds to the number of persons employed in this business. The once famous oyster beds of Buctouche and Cocagne are fast becoming exhausted from constant over-fishing, and unless some protective measure is applied they will soon be as unproductive as those of Shediac now are. The smelt fishery is largely pursued with bag-nets in this division, and the same destruction of young unmarketable fish, as I have described in Miramichi, goes on unchecked.

WESTMORELAND COUNTY.

OVERSEER DEACON, of Shediac Division, reports a good catch during the season. The lobster fishery has now increased to enormous proportions, and last year's catch amounts to nearly half a million cans. There are now ten factories in operation, and several new ones in course of erection for next season. Mr. Deacon reports that the fish were not so plentiful as formally. This is but the natural consequence of such extensive operations, and, of course, every year the supply will continue to diminish.

He says:—"The canning establishments cannot be watched too closely, for I find that both proprietors and fishermen will evade the regulations whenever they can. Both spawning lobsters and those under the legal size are taken indiscriminately, and to stop it effectually would require an officer stationed permanently in every establishment."

Numbers of salmon and grilse were seen in the Shediac River last summer, and if the quota of fry planted there last spring attain maturity, a good breeding stock will have been supplied. It will now be necessary to prohibit net fishing for some years to allow the stock to increase by natural propagation.

OVERSEER DAVIDSON, of Bay Verte District, reports no material improvement in the fisheries. A few gaspereaux still continue to ascend the passes in Tidnish and Port Elgin Rivers, and he expresses the hope that they may yet be restocked. He reports mackerel as having been plentiful in Bay Verte last season, but the fish were small and the quality poor.

OVERSEER CORMIER, of Dorchester Bay District, reports a good catch of shad of a quality better than usual. Mr. Cormier repeats the opinion expressed by him last year, that the brush weirs in Albert County are injurious to the shad fishery on account of the large numbers of small fish taken in them. There can be no question as to the correctness of this opinion, nor any doubt that this fishery ought to be confined entirely to nets with a mesh sufficiently large to allow all small fish to escape. The decrease of shad in all our waters is too plainly seen year after year to be ignored, and every mode of fishing that adds to this decrease by destroying young fish should be prevented.

ALBERT COUNTY.

OVERSEER AKERLEY, also reports a fair catch of shad of good quality and a slightly increased catch of gaspereaux, but a falling off in salmon. The latter he attributes to lumbering operations and mill refuse on the rivers. He expresses the opinion again after another year's experience, that there is no hope of ever restoring migratory fish to Coverdale and Pollet Rivers. With this opinion I am forced to agree. These rivers are small; lumbering operations are extensive and of much more importance to the inhabitants than any fishery that could now be formed. Under these circumstances both these rivers might be exempted from the operations of the "Fisheries Act" without any injury to public interests, for it would seem useless to compel mill-owners to maintain fishways that are of no practical benefit.

VICTORIA COUNTY.

OVERSEER McCLUSKEY reports no improvement in the Tobique River, which was once the great spawning-ground for salmon that ascend the St. John. The lands on this river are being rapidly settled, and with increasing population comes increased fishing. The settlers and Indians who frequent it in summer have always been accustomed to use the spear in taking salmon. They cannot be persuaded to use nets, and the long stretches of unsettled lands along the shore offer every facility for evading the Wardens. The only practicable method I can recommend to prevent this illegal fishing is that of employing special Wardens from June until October, who should be continually on the river, and devote their whole time and attention to the work of protecting the fish. If Overseer McCluskey were empowered to employ two suitable men for this purpose to travel up and down the river constantly, with authority to see that the stationary Wardens attended to their duty and to act in concert with them, something effectual might be done. At present there are but four Wardens in a district of a hundred miles and more. These men receive a salary of \$30 each, and it is quite evident that for this sum they cannot spend much time in preventing illegal fishing at points distant from their homes. Some more effectual means for the protection of this river than are now in operation have become absolutely necessary.

CARLETON COUNTY.

In August last Overseer Harrison, the faithful officer in charge of this County for many years, laid down his duties and his life. I immediately notified the Department and urged the necessity and great importance of supplying his place by a competent successor; but I regret to say that the county has ever since been without an officer. I am therefore without any report or returns from this division. His son, who was accustomed to assist his father, informs me that there is no improvement to be hoped for until the mill-owners are compelled to keep their sawdust and mill-rubbish out of the river. By Mr. Harrison's death the service has lost one of its oldest and most conscientious officers. Fully sensible of the great importance of protecting the fisheries, his heart was in his work, and he gave his best efforts to the duty. He devoted to its performance long experience and matured judgment. His greatest regret was that his well-meant endeavours met with so little appreciation or assistance from those who should have given him material and moral support, and he laid down his trust with the painful consciousness that, owing to circumstances he could not control, he left the fisheries of his district worse than he found them, and that all his labour and anxiety to improve them had been in vain. Some competent officer is needed to supply his loss, and some changes are needed on the head waters of the Miramichi which flow through this county. These changes, and the reasons which make them necessary, have been explained in letters on file in the Department, to which I beg to refer.

YORK COUNTY.

The reports of Wardens Brown and Campbell state that salmon were more plentiful than usual; but that in consequence of very high water during the first of the season fishermen were not able to secure their nets, and many were swept away by the freshet. The fish had thus a better opportunity of ascending the river, and if they could be properly protected in the Tobique, good results in future years might reasonably be expected. After the water had fallen fish were scarce, and the catch throughout the whole river was very small. Warden Brown still urges, as he did last year, the great importance of a more effective enforcement of the sawdust law; and repeats his oft-expressed belief that no great or permanent improvement can be expected in the river without the assistance of a hatching-house.

SUNBURY AND QUEEN'S COUNTIES.

OVERSEER HOBEN reports a better catch of gaspereaux, but a diminished catch of salmon and bass. The former diminution was caused by the great freshet in July, which interfered with fishing in the main river and all its tributaries. There is no diminution of the sawdust nuisance, which he strongly urges should be abated.

OVERSEER HETHERINGTON, of Washademoak and Canaan District, reports a better run of salmon into Canaan River than has been known for some years. Fortunately these did not arrive until after the close season had commenced, and the entire run ascended to the spawning-grounds undisturbed. The shad fishery still continues to be a failure in this as well as in other districts on the St. John. A series of experiments and observations made by Mr. Hetherington last summer, lead him to think that a sufficient number of spawning fish might be taken in Canaan River to try the experiment of artificial hatching. Gaspereaux have now become so scarce in this district that there is but little inducement to fish for them. Mr. Hetherington thinks that a weekly close time of three days would enable them to reach their spawning-places in sufficient numbers to restock the river. My own opinion is that nothing short of a total cessation of fishing everywhere, for at least three years, will ever restore this fishery so that it will be a profitable one.

OVERSEER DE VEBER, of Westfield and Neropis District, reports a great decrease in the catch of salmon as compared with the previous year. Shad and gaspereaux still continue to grow scarcer year after year, but bass are increasing because they are not so much fished for. That over fishing has been the cause of the falling off in salmon, shad and gaspereaux, is proved by the fact that sturgeon, bass, pickerel and trout, which are not fished for in a systematic manner or to any great extent, are rapidly increasing in numbers. Mr. De Veber, who is an old and experienced fisherman, repeats his opinion that nothing will keep up the stock of salmon and shad except artificial hatching.

OVERSEER GOSLINE, of Kennebecasis and its several tributaries, reports no improvement in his district. Salmon still frequent all the streams in small numbers, but the conditions are not now favorable to a large increase. Young salmon in the parr state are caught by boys with hook and line, and the facilities for doing this are so great that it is quite impossible to prevent them. Shad and gaspereaux are now so scarce that the fishery may be said to be practically abandoned.

ST. JOHN COUNTY.

OVERSEER O'BRIEN reports that the herring fishery continues to improve. The catch last winter was the best ever known in the waters of the county, but owing to the mildness of the season the fish could not be frozen sufficiently to admit of shipment to American markets in a fresh state, and consequently large quantities had to be salted and sold at low prices. The catch of shad has been the smallest known in the harbor for many years. That of salmon and gaspereaux gave a small increase over the catch of last year. But it was still by no means profitable to the fishermen, as not one weir in the harbor did much more than pay the expenses of material and labor. Mr. O'Brien urges the extreme necessity of some means being adopted to prevent the destruction of young gaspereaux in the weirs. Every season large quantities are destroyed, for the fishermen assert that it is impossible to separate them from the large fish. If this be so, then this mode of fishing should be entirely prohibited, as also should seining, for there can be no doubt that to these two wasteful and destructive modes of fishing may be attributed, almost entirely, the steady decline of this fishery in the river and harbor of St. John. At the present time, when its total extinction is a question of only a few years longer, it is manifestly wrong for Government to allow them, and excessively foolish for fishermen, to persist in their use. If the enormous destruction of young gaspereaux caused by weirs and seines in the harbor were at once stopped, there might be some small hope of deferring to a more distant day the impending annihilation of this species of fish in these waters. Whatever rights the Corporation of St. John may claim in the fisheries of the harbor, it seems absurd that they should have the right of perpetuating these destructive modes of fishing. As a matter of public expediency and of justice to the future interests of the River Counties, the Corporation should aid rather than resist the efforts now being made to have these wasteful modes of fishing abolished. The fisheries of the harbor of St. John have never been properly appreciated in past years, and they have been pursued in a very wasteful manner. Heretofore the fishermen of St. John, without going more than a cable-length from their own doors, could catch salmon, shad, bass and gaspereaux, which have always found a ready market at good prices, both at home and in the neighboring States. Now that the wasteful mode of pursuing these fisheries is threatening them with destruction, intelligent people are becoming alarmed at the prospect, and are just beginning to do what has been too long delayed. Strange to say, the Corporation of the city, which claims to control these fisheries, and which ought to have been their guardian, are actually resisting the well meant efforts of those who seek to save them from annihilation. As the River St. John washes the shores of seven counties in its course, all of which are dependent on the harbor of St. John for their fish supply, it becomes a matter of vital importance to them all that that supply should not be wantonly destroyed. If the corporation of

the city is unable or unwilling to prevent this destruction, it devolves upon your Department to take the necessary action. Experience has proved that the fisheries have been prosecuted beyond the powers of the fish to reproduce. The natural process of reproduction cannot keep up the supply, especially when the modes of fishing are wasteful and destructive. The first care of the Department should be to suppress all modes of capture which destroy the breeding fish and the young. Its next care should be to keep the fisheries within such limits as will enable a sufficient stock of fish to perform their procreative functions unmolested. If these means fail to keep up the supply by natural increase, it remains for the Government to consider whether it will not be a wise expenditure of revenue to increase that supply by means of artificial culture, which is now adopted by all enlightened countries with the most beneficial results, and by none with more signal success than has attended its adoption in Canada in all the waters adapted to it, and in all the establishments that have been properly constructed and arranged, and placed under the care of men competent to manage them.

OVERSEER SKILLEN, of St. Martin's District, reports a great improvement in the catch in his division. The fishway in Salmon River has been found effective, and salmon passed up last fall without difficulty. The pass in the dam across Mosher's River is defective, and a proper fish-ladder will have to be constructed to allow fish to pass it freely.

CHARLOTTE COUNTY.

In my last annual report I announced the death of Overseer Curran of the St. Croix District, the most important division in this county; and I urged the necessity of immediately supplying his place with an officer of sufficient intelligence and ability to carry on the great work which he had so successfully and creditably commenced, opening up and restocking what was formerly one of the best fish rivers in the Province, but which impassable dams had caused to be deserted. But the division was left without an officer for nine months, and only in October last was his place supplied. Overseer Todd entered upon his duties after the fishing season had closed, consequently he was unable to furnish any detailed report of the state of the district. He has, however, furnished as full statistics as it was possible to procure at that late date, but they, no doubt, fall far short of the actual catch. Judging from his correspondence, and the intelligent zeal he displays in his new duties, I am pleased to think that Overseer Curran will have a very competent and most efficient successor. He reports that the fishways were kept open during the season, and are in good repair. The principal violation of the law now consists in drifting for salmon at night near the first fishway. This it will be impossible to suppress entirely without an officer on the spot constantly, and I would respectfully urge that Overseer Todd be authorized to employ a special guardian at this place when his assistance is necessary to prevent this illegal and destructive work.

OVERSEER CUNNINGHAM, of Inner Passamaquoddy Bay, reports that the herring fishery has continued to be fair throughout the year. There has been an increase in mackerel, the size and quality being better than last year. This fish appeared early in August and remained until the middle of October, and the bay was visited by a large number of vessels and boats from other places. This promised return of the mackerel to the shores and bays of Charlotte County, where formerly they were very abundant, is a cheering prospect for fishermen. The catch of haddock and hake was about the same as last year. Mr. Cunningham still more strongly expresses his opinion that the use of trawls or bultows will eventually exhaust the fishery inshore. The catch of pollack was not so large as that of last year. The lobster fishery shows an increased catch, but the average size of the fish still remains about two pounds. In this county the fishery is not pursued later than August, which fully accounts for the fact that the fish shows no decrease in size and numbers. In consequence of Mr. Cunningham's close attention to his duties, the law has been well observed. He submits that his salary is an inadequate compensation for the time and attention his

duties require. As Mr. Cunningham is an old and faithful officer, I think his services entitle him to favorable consideration.

OVERSEER BEST, of Beaver Harbor and Latéte District, reports that herring have been less plentiful than in previous years. The principal part of the catch in this district is frozen, and sold fresh for American markets, and for bait to vessels engaged in the cod fishery on the banks. The catch of cod, pollack and haddock inshore has not been so good as last year, but that of hake has been better. A large catch of lobsters was made in this district, but as there is no canning establishment there, these were sold in bulk to American buyers.

OVERSEERS BROWN and LORD, of West Isles, report less than an average catch of herrings in this district, but a fair average of cod, haddock and pollack. In hake there has been an increase, and a larger catch of lobsters.

OVERSEER McLAUGHLIN, of Grand Manan District, furnishes the following interesting report: "The fishery season in my district has closed for the year with favorable results to those engaged in this industry. Mackerel of good quality have been plentiful in the waters of Grand Manan; but our people have been so long out of this branch of fishing that very little effort was made to take advantage of their unexpected return. The catch, therefore has, not been large; herrings for smoking were very late in approaching our shores. In August and September, when the weirs usually fish well, very few herrings were taken. October and November brought excellent fishing, the catch being of superior quality, so that the weir fishermen made a good season's work. Many of the weirs, however, were not built on account of the low price obtained for smoked fish. In net herrings for salting there has been little improvement since my last report. There has therefore been a falling off in the catch compared with previous years. I can give no reason for this other than that surmised in my last report, viz., the migration of a great body of adult herrings to the coast of Europe. Even should this surmise be correct, we may look for a gradual improvement in net fishing after this year from the natural growth of the fry. This scarcity of net herring has made it more difficult to obtain bait for line fish, both inshore and outside, which, with the exception of pollack, have been abundant. Even with this drawback, the catch of cod has been equal to that of last year, with extra good fishing at the present time. The catch of hake has far exceeded that of any year in the history of our island. Probably not less than 40,000 quintals have been taken. Halibut and haddock fishing has been good; but scarcity of bait has interfered with its steady prosecution. The lobster fishery shows an encouraging increase of 28,000 cans over last year's catch, with no more hands engaged. In addition to this our fishermen have sold in bulk to American buyers a quantity equal to 19,200 cans. There is no doubt that this improvement is due to the enforcement of the close season, and to the protection given the spawning fish. To render this improvement permanent, I am satisfied from past experience that the close time should commence not later than 15th July, and continue until 1st September. Both canners and fishermen now see the necessity of this measure, and will readily comply with it. Had bait been plentiful the catch of all kinds of fish, except herrings, would have far exceeded that of any previous year in my district. All things considered, the fisheries of the island have been successful, and will foot up little short of half a million dollars. My assistants have performed their duties well. Warden Gilmour was ill during the early part of the season; but as not herrings were scarce, the temptation to Sunday fishing was less than usual, and the law was seldom violated. I must again repeat that this officer is very much in need of a boat, the purchase of which I have often urged on the Department, and I again respectfully request that the much-needed want be supplied. Warden Carroll, at White Head, has had all he could do to take care of the fisheries in his division. Fishermen who resort to Gull Cove seem determined to fish in contravention of the weekly close time, and kept him constantly on the alert to enforce it. I was on several occasions obliged to go to his assistance and disperse the offenders. The proprietors of Three Islands are still much annoyed by the irregular conduct of transient fishermen; and

"I again respectfully urge that Mr. David Engalls be appointed Warden at this place, as requested in my last report."

From my own knowledge of the facts related by Overseer McLaughlin, I can corroborate his statements,—first, that Warden Gilmour much needs a suitable boat to enable him better to perform his duties, in preventing illegal fishing; and second, that the constant irregularities of transient fishermen at Three Islands, a long distance from any officer, need to be suppressed. The first of these necessities I have urged upon your predecessor in my last three Annual Reports, and in several letters on file. The second I strongly urged last year, but no notice has yet been taken of either request. I again respectfully, but urgently remind the Department of the facts, and trust that your honor will direct that both these wants be supplied in time to be of service during the coming season.

I cannot conclude this, the first report I have the honor to make to you as the Head of the Department, without begging your attention to the facts stated, and to the following remarks, for the freedom of which I crave your indulgence:—

My experience as a Fishery Officer, and my opportunities of knowing the facts, convince me that the time has come when our fisheries require for their preservation more effective measures than have yet been provided by the Department charged with their conservation. A careful reading of the foregoing abstracts cannot fail to show your honor several momentous facts that require your careful consideration, with a view to the adoption of such measures as you consider best calculated to prevent results which are shown to be every year becoming more imminent. As remarked in my last report to your predecessor, the facts then brought to his attention (and now respectfully urged on yours, because another year's experience has more fully established them) show a very alarming decrease in the stock of all the anadromous fishes that frequent our waters. They show, beyond a doubt, that this decrease has been caused by wasteful and extravagant modes of fishing in some places, and by over-fishing, and insufficient protection everywhere. They show that these causes are still actively at work—that fishing operations are annually extending, while protection is annually becoming less; that all the causes of exhaustion which follow in the train of rapidly increasing population, are in full and increasing activity. They show that everywhere, except where artificial culture has arrested the decrease, the salmon fishing is in the same danger. They show that the bass and smelt fisheries are being conducted in most wasteful and destructive modes. They show that the Harbor and River Fisheries of St. John cannot possibly withstand the annual drain made upon their fast diminishing stocks. They show that our once valuable and apparently inexhaustible oyster beds are all but annihilated. But they also show just as clearly that proper close seasons to curtail over-fishing, and due protection to breeding fish, will foster and increase the supply. All past experience in this and other countries shows that nothing is to be hoped for from the foresight or prudence of fishermen, nor from their voluntary adoption of any of the means which will protect and prolong the supply upon which their present and future prosperity depends. It also shows that they will, if allowed, continue this over-fishing and these wasteful modes of fishing, which have been described in the foregoing pages, unchecked by any consideration of the disastrous consequences to which they obstinately close their eyes. These facts being undeniable, the question that presents itself for your serious consideration is this: Which is most advisable—that such protective measures as are absolutely necessary to preserve the fisheries from certain destruction, shall be made compulsory and fishermen called on to submit to what will be only a partial deprivation and perhaps only a temporary one—or, that they be allowed to continue on in the old wasteful and destructive ways, with the certainty that, ere long, they will be compelled by a law of nature, from which there is no appeal, to suffer a total and permanent deprivation of this great source of employment and wealth; a deprivation from which no earthly Government can save them, and which no unavailing regrets will ever restore to them? No doubt many selfish and ignorant fishermen, many grasping and unfeeling dealers, will protest against measures which will conduce to their own ultimate benefit. No

doubt many such will strive to prevent their adoption, and abuse the officers and Government that seek to save them from the consequences of their own ignorance and cupidity. Still, I am persuaded a large number are intelligent and reasonable enough to see that this is the least of the two evils they have to face, and that by submitting to it they will avert the greater one, and escape the consequences they see are inevitable under their present modes of carrying on their business. We are now passing through that phase of experience which has been the lot of all older countries; but, more fortunate than they, we have the results of that experience to guide us. The *laissez-faire* policy has already been too long pursued in this country. The consequences are seen in the facts above submitted to you. Common sense now demands a *do something* policy of strict and stern protection. If the present generation of fishermen are determined to pursue their calling in modes so wasteful and destructive as to annihilate the fisheries, it becomes the duty of the Government to prevent the consequences of their vandalism, and to save the fisheries for future generations who will, it is hoped, better appreciate and more judiciously use the gifts of a more beneficent Providence which their fathers so lightly prize and so wantonly abuse.

I have the honor to be, Sir,

Your obedient servant,

W. H. VENNING,

Inspector of Fisheries for New Brunswick.

APPENDIX

RETURN showing the Number, Tonnage and Value of Vessels and Boats and Quantities of Fish, and the Total Number of Men employed,

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | |
|---|--|------------|--------------|-----------|-------------|---------------|-------------------|--------------|--------------|-----|------------------|-----------------------------|----------------------|-----------------------|--------------------|--------------------|--------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels. | Mackerel, in cans. | Herrings, barrels. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  | Value. |
| <i>Restigouche.</i> | | | | | | | | | | | | | | | | | |
| From Belledune to Morris Rock..... | | | | | 120 | 1440 | 150 | 17890 | 9520 | | | 30 | 399129 | 94899 | 50 | | 1200 |
| <i>Gloucester.</i> | | | | | | | | | | | | | | | | | |
| From Belledune to Grindstone Point..... | 13 | 397 | 11800 | 46 | 724 | 71700 | 1602 | 40515 | 17363 | | | | 180812 | 21880 | 5660 | 12900 | 10070 |
| Caraquet District..... | 3 | 125 | 2500 | 10 | 200 | 40200 | 500 | 8000 | 3480 | | | | | | | 50 | 6000 |
| Pokemouche and Shippegan..... | | | | | 60 | 650 | 90 | 1500 | 800 | | | | | | | 60 | 70 |
| Tracadie District..... | 3 | 60 | 1200 | 12 | 30 | 6200 | 93 | 12000 | 800 | | | | | 5000 | 400 | 420 | 2000 |
| Total..... | 19 | 582 | 15550 | 68 | 1014 | 118750 | 2285 | 62015 | 22443 | | | | 180812 | 26880 | 6170 | 13320 | 18140 |

No. 15.

engaged in the Fisheries; Quantity and Value of Fishing Material; Kinds &c., in the Province of New Brunswick, for the Year 1877

| KINDS OF FISH. | | | | | | | | | | | | | FISH PRODUCE. | | | VALU. | | |
|-----------------------------|--------------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|-------------|----------------|-------------------|-----------------|--------------------|-------|-------------------|-------------------------------|
| Herrings, Smoked, in boxes. | Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, lbs. | Halibut, lbs. | Shad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, barrels. | Oysters, barrels. | Lobsters, cans. | Fish Oil, gallons. | | Fish Guano, tons. | Fish used as Manure, barrels. |
| ..... | ..... | 200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1400 | 1000 | 20 | ..... | 125428 | 80 | 335 | 400 | 105,089 40 |
| ..... | 330 | 31000 | 45 | ..... | 7000 | ..... | 2400 | ..... | 9500 | 10200 | 140000 | 180 | 3000 | 458460 | 21120 | ..... | ..... | 386,076 80 |
| ..... | ..... | 8400 | 180 | ..... | 200 | 650 | 890 | ..... | 880 | 3500 | 15000 | ..... | 3000 | ..... | 5000 | ..... | 300 | 75,247 15 |
| ..... | 130 | 300 | ..... | ..... | ..... | ..... | ..... | ..... | 3000 | 1200 | 60000 | 50 | ..... | 6300 | 120 | ..... | ..... | 6,330 00 |
| ..... | 400 | 3000 | ..... | ..... | 1000 | 200 | 100 | ..... | 4000 | 8000 | 12000 | 150 | ..... | 140000 | 1000 | ..... | ..... | 55,156 00 |
| ..... | 860 | 42700 | 225 | ..... | 8200 | 850 | 3390 | ..... | 17350 | 22900 | 227000 | 380 | 6000 | 604760 | 27240 | ..... | 300 | 522,909 95 |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | |
|---|--|----------|--------|--------|-----|--------|-------------------|--------|--------|--------|------------------|-----------------------------|----------------------|-----------------------|--------------------|-------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels. | Mackerel, in cans, lbs. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | No. | Value. | No. | Value. | | | | | | |
| <i>Northumberland.</i> | | | | | | | | | | | | | | | | |
| Tabusintac Bay and River | | | | | 10 | 100 | 12 | 800 | 120 | | | | | | | 16 |
| From Neguac Island to Burnt Church | 2 | 16 | 500 | 6 | 50 | 1500 | 100 | 4900 | 1780 | | | 10300 | | | | 10 |
| From Portage Island to Lower Newcastle | 2 | 45 | 1000 | 4 | 99 | 1680 | 90 | 19900 | 9160 | | | 120856 | | | | 8 |
| Point Escuminac, Hucklebury, Egg, Fox and Bay du Vin Islands and Bay. | 50 | 250 | 2500 | 200 | 79 | 1580 | 106 | 8160 | 8160 | | | 140540 | 5719 | 3552 | 40 | 12844 |
| Napan and Black Rivers From Bay du Vin to Beaubair's Island | 1 | 10 | 500 | 2 | 48 | 576 | 65 | 4834 | 2167 | *159 | 4770 | 60550 | | | | |
| From Chatham Ferry to Head Waters, North-West | | | | | | | | | | | | 296271 | 301 | | | 26 |
| From Beaubair's Island to Blackville | | | | | 64 | 380 | 72 | 1790 | 1611 | | | 27720 | | | | |
| Blackville Parish | | | | | 34 | 345 | 34 | 684 | 343 | | | 4780 | | | | |
| Blissfield | 10 | 4 | 60 | 12 | | | | 189 | 100 | | | 530 | | | | |
| From Doaktown to Hovey Island | | | | | | | | 417 | 208 | | | 4390 | | | | |
| From Hovey Island to Burnt Hill | | | | | | | | | | | | 1847 | | | | |
| Total | 65 | 325 | 4560 | 224 | 384 | 6161 | 479 | 41674 | 23649 | 159 | 4770 | 667784 | 6020 | 3552 | 100 | 12844 |

* Bag nets.

Boats engaged in the Fisheries, &c.—New Brunswick.—Continued.

| KINDS OF FISH. | | | | | | | | | | | | | FISH PRODUCTS. | | VALUE. | | | | | | |
|--------------------|-----------------------------|--------------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|-------------|----------------|-------------------|-----------------|--------------------|-------------------|-------------------------------|----|------|------------|
| Herrings, barrels. | Herrings, Smoked, in boxes. | Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, lbs. | Halibut, lbs. | Shad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, barrels. | Oysters, barrels. | Lobsters, cans. | Fish Oil, gallons. | Fish Guano, tons. | Fish used as Manure, barrels. | \$ | cts. | |
| | | 40 | | | | | | | | | 2000 | 32000 | 15 | 430 | | | | | | | 2,865 00 |
| 200 | | | 80 | | | | | | | 4000 | 1600 | 4000 | 9 | | | 80 | | | | | 3,338 00 |
| | | | | | | | | | | 1000 | 1000 | 225231 | | 100 | 1440 | | | | | | 25,601 33 |
| 320 | | 25 | 250 | | | 290 | | | 20 | 3300 | | 131965 | | 2250 | 63896 | 160 | | | | | 49,036 10 |
| | | 92 | | | | | | | | 5200 | | 127338 | | | | | | | | | 4,608 64 |
| | | 66 | | | | | | | 4 | 1600 | | 396718 | | | | | | | | | 21,442 04 |
| | | | | | | | | | | 125193 | | 10150 | 5 | | | | | | | | 52,606 88 |
| | | 135 | | | | | | | 4 | 300 | | 8000 | | | | | | | | | 5,123 00 |
| | | 3 | | | | | | | | | 600 | | | | | | | | | | 717 00 |
| | | 5 | | | | | | | | | | | | | | | | | | | 130 50 |
| | | | | | | | | | | | | | | | | | | | | | 683 50 |
| | | | | | | | | | | | | | | | | | | | | | 277 35 |
| 520 | | 366 | 330 | | | 290 | | | 28 | 140593 | 4600 | 935952 | 29 | 2780 | 65336 | 240 | | | | | 165,429 04 |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTRIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | |
|---|--|----------|--------|--------|-----|--------|-------------------|----------|--------|-----|---------------|-----------------------------|----------------------|-----------------------|-----------------|--------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, bris. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, bris. | Mackerel, in cans. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  | Value. |
| <i>Kent.</i> | | | \$ | | \$ | | | \$ | \$ | | | | | | | |
| From Shediac to Richibucto | 18 | 123 | 1550 | 54 | 610 | 9150 | 1220 | 34000 | 17000 | | | 1200 | | 900 | 1650 | |
| From Richibucto to Escuminac..... | 40 | 180 | 1650 | 8 | 135 | 3400 | 627 | 7975 | 7100 | 500 | 760 | 80000 | | 30000 | 380 | 16000 |
| Total | 58 | 273 | 3200 | 62 | 745 | 12550 | 1847 | 41975 | 24100 | 500 | 760 | 81200 | | 30000 | 1280 | 17650 |
| <i>Westmoreland.</i> | | | | | | | | | | | | | | | | |
| Dorchester Bay and Cumberland Basin to Shepody Bay..... | 4 | 30 | 550 | 20 | 43 | 430 | 130 | 15250 | 4160 | | 47 | | | | | |
| Bay Verte to Cape Tormentine..... | | | | | 13 | 300 | 52 | 950 | 715 | | | | | | 30 | |
| Shediac River to Cape Jourmain | | | | | 500 | 5000 | | 2400 | 2400 | | | | | | 350 | |
| Total | 4 | 30 | 550 | 20 | 556 | 5730 | 182 | 18600 | 7275 | | 47 | | | | 380 | |
| <i>Albert.</i> | | | | | | | | | | | | | | | | |
| From Hopewell to Point Wolfe River..... | | | | | 24 | 480 | 190 | 3500 | 2200 | 8 | 750 | 30 | | | | |
| <i>Victoria.</i> | | | | | | | | | | | | | | | | |
| From Carleton Co. line to Grand Falls..... | | | | | | | | 90 | 110 | | 5 | | | | | |
| <i>York.</i> | | | | | | | | | | | | | | | | |
| From Sunbury Co. line to Carleton Co. line..... | | | | | 30 | 120 | 30 | 629 | 314 | | | 7467 | | | | |

Boats engaged in the Fisheries, &c.—New Brunswick.—Continued.

| KINDS OF FISH. | | | | | | | | | | | | | | | FISH PRODUCTS. | | VALUE. | | |
|-----------------|-----------------------------|-----------------|-----------|-------------------------------|---------------|------------|---------------|---------------|-------------|------------|-------------|-------------|-------------|----------------|-----------------|------------------|--------|-------------------|----------------------------|
| Herrings, brls. | Herrings, Smoked, in boxes. | Alewives, brls. | Cod, cwt. | Cod Tongues and Sounds, brls. | Pollack, cwt. | Hake, cwt. | Haddock, lbs. | Halibut, lbs. | Shad, brls. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, brls. | Oysters, brls. | Lobsters, cans. | Fish Oil, galls. | | Fish Guano, tons. | Fish used as Manure, brls. |
| 2650 | 700 | 495 | 745 | 10 475 | 326 | 12050 | | | | 2000 | 5280 | 490000 | 265 | 2050 | 751000 | 910 | | | 165377 30 |
| | | 80 | 850 | 35 | 550 | | | | | 48000 | 4000 | 410000 | 165 | 190 | 349000 | 550 | | | 101865 00 |
| 3350 | | 575 | 1585 | 45 475 | 876 | 12050 | | | | 50000 | 9280 | 900000 | 430 | 2240 | 1100000 | 1460 | m | | 267742 30 |
| 505 | | | 480 | 199 | 188 | | | | 3640 | | 5000 | | 43 | | | 1000 | | | 36576 50 |
| 1400 | 1300 | | | | | | | | | | | | | | | | | | 6225 00 |
| 5000 | 1500 | | | | | | | | | 3000 | 2500 | 350000 | 400 | 250 | 482016 | | 300 | | 111507 40 |
| 6905 | 2800 | | 480 | 199 | 188 | | | | 3640 | 3000 | 7500 | 350000 | 443 | 250 | 482016 | 1000 | 300 | | 154308 90 |
| 90 | 200 | 85 | 20 | 15 | 145 | 1700 | 1800 | | 650 | 1200 | 11000 | 9000 | | | | 160 | | | 8403 50 |
| | | | | | | | | | | 10 | | | | | | | | | 155 00 |
| | | | | | | | | | | 15 | | | | | | | | | 1240 05 |

RETURN showing the Number, Tonnage and Value of Vessels

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | Salmon, fresh, in ice, lbs. | Salmon, Smoked, lbs | Solmon, in cans, lbs. | Mackerel, bris. | Mackerel, in cans |
|---|--|------------|--------------|------------|-------------|--------------|-------------------|---------------|--------------|-----------|-----------------------------|---------------------|-----------------------|-----------------|-------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | | | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  | Value. |
| <i>Queens and Sunbury.</i> | | | | | | | | | | | | | | | |
| | | | \$ | | \$ | | | \$ | | \$ | | | | | |
| French Lake, Sheffield..... | | | | 20 | 460 | 40 | 800 | 160 | | | | | | | |
| Oromocto River..... | | | | 10 | 150 | 20 | 350 | 110 | | | | 200 | | | |
| Maquapet Lake..... | | | | 12 | 150 | 24 | 300 | 150 | | | | | | | |
| Hart's Lake..... | | | | 8 | 80 | | 200 | 150 | | | | | | | |
| Jemseg and vicinity..... | | | | 20 | 240 | 40 | 750 | 300 | | | | 200 | | | |
| Otnabog..... | | | | 6 | 60 | 12 | 200 | 100 | | | | 100 | | | |
| St. John River..... | | | | 45 | 450 | 90 | 2000 | 1000 | | | | 1000 | | | |
| Oromocto, French Lake..... | | | | 20 | 200 | 40 | 400 | 200 | | | | | | | |
| Upper Gagetown..... | | | | 10 | 100 | 20 | 200 | 100 | | | | 200 | | | |
| Sheffield..... | | | | 10 | 100 | 20 | 200 | 100 | | | | 100 | | | |
| Washademoak..... | | | | 100 | 3000 | 200 | 1300 | 600 | | | | 200 | | | |
| Total..... | | | | 261 | 4930 | 506 | 6700 | 2970 | | | | 2000 | | | |
| <i>Kings.</i> | | | | | | | | | | | | | | | |
| Kennebecasis and Smith's Creek..... | | | | | | | | | | | | | | | |
| Westfield and Nerepis..... | | | | 43 | 610 | 43 | 2940 | 1155 | | | | 8729 | | | |
| Total..... | | | | 43 | 610 | 43 | 2940 | 1155 | | | | 8729 | | | |
| <i>St. John.</i> | | | | | | | | | | | | | | | |
| From Quaco Head to Point Lepreaux, including Har- bour of St. John..... | 28 | 620 | 13000 | 190 | 295 | 10800 | 710 | 100000 | 70000 | 30 | 10000 | 180000 | 50000 | | |
| From Goose River to Quaco Head..... | 8 | 175 | 3500 | 39 | 7 | 225 | 20 | 250 | 1000 | 1 | 100 | 400 | | | |
| Total..... | 36 | 795 | 16500 | 229 | 302 | 11025 | 730 | 100250 | 71000 | 31 | 10100 | 180400 | 50000 | | |

and Boats in the Fisheries.—New Brunswick—Continued.

| KINDS OF FISH. | | | | | | | | | | | | | FISH PRODUCTS. | | VALUE. | | | | | | |
|-----------------|-----------------------------|-----------|-----------|------------------------------|---------------|------------|---------------|---------------|-------------|-----------|-------------|-------------|----------------|----------------|--------|-----------------|------------------|-------------------|----------------------------|---------|------|
| Herrings, brls. | Herrings, Smoked, in boxes. | Alewives. | Cod, cwt. | Cod Tongues and Souds, brls. | Pollack, cwt. | Hake, cwt. | Haddock, lbs. | Halibut, lbs. | Shad, brls. | Bas, lbs. | Trout, lbs. | Smelt, lbs. | Mels, brls. | Oysters, brls. | | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, brls. | \$ | cts. |
| | | 110 | | | | | | | 6 | 1000 | | | | | | | | | | 658 | 00 |
| | | 60 | | | | | | | 7 | 600 | | | | | | | | | | 422 | 00 |
| | | 50 | | | | | | | 6 | 1000 | | | | | | | | | | 358 | 00 |
| | | 40 | | | | | | | | 200 | | | | | | | | | | 212 | 00 |
| | | 100 | | | | | | | 10 | 1000 | | | | | | | | | | 670 | 00 |
| | | 10 | | | | | | | | 500 | | | | | | | | | | 95 | 00 |
| | | 400 | | | | | | | 50 | 5000 | | | | | | | | | | 2,850 | 00 |
| | | 110 | | | | | | | | 2000 | | | | | | | | | | 670 | 00 |
| | | 20 | | | | | | | 15 | 1000 | | | | | | | | | | 310 | 00 |
| | | 10 | | | | | | | 10 | 1000 | | | | | | | | | | 205 | 00 |
| | | 250 | | | | | | | 150 | 1000 | 400 | | | | | 450 | | | | 2,856 | 50 |
| | | 1160 | | | | | | | 254 | 14300 | 400 | | | | | 450 | | | | 9,306 | 50 |
| 90 | 60 | | | | | 30 | | | 40 | 110 | 500 | | 4 | | | | | | | 1,157 | 60 |
| | 250 | | | | | | | | 10 | 3000 | | | | | | | | | | 2,819 | 35 |
| 90 | 310 | | | | | 30 | | | 50 | 3110 | 500 | | 4 | | | | | | | 3,976 | 95 |
| 11400 | 5300 | 3500 | 120 | 2000 | 3200 | 100000 | 90000 | 100 | 30000 | | | | 50 | | 15000 | 2000 | | 300 | | 156,165 | 00 |
| 780 | | 4500 | | 500 | 10 | 6000 | 1900 | | | | | | | | | 80 | | | | 24,466 | 00 |
| 12180 | 5300 | 8000 | 120 | 2500 | 3210 | 106000 | 91900 | 100 | 30000 | | | | 50 | | 15000 | 2080 | | 300 | | 180,631 | 00 |

RETURN showing the Number, Tonnage and Value of Vessels and

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | | |
|---------------------------------------|--|-------------|--------------|------------|------------|--------------|-------------------|--------------|--------------|-----------|-----------------------------|------------------|-----------------------|----------------------|--------------------|--------------------|--------------------|-----------------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, Fresh, in ice, lbs. | | Salmon, Smoked, lbs. | | Mackerel, barrels. | | Herrings, barrels. | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. | Value. | Salmon, barrels. | Salmon, in cans, lbs. | Salmon, Smoked, lbs. | Mackerel, barrels. | Mackerel, in cans. | Herrings, barrels. | Herrings, Smoked, in boxes. |
| <i>Charlotte.</i> | | | \$ | | | \$ | | | \$ | | | | | | | | | |
| St. Croix District..... | | | | | 26 | 1700 | 78 | 120 | 75 | 11 | 440 | 2500 | | | 250 | | 200 | |
| Inner Bay, Passamaquoddy..... | 7 | 120 | 2900 | 28 | 34 | 2800 | 70 | 3000 | 1300 | | | | | | 800 | | 2250 | 1600 |
| Lepreaux, Beaver Harbor & Latete..... | 33 | 467 | 14300 | 166 | 106 | 3150 | 212 | 21350 | 10675 | 6 | 3900 | | | | 20 | | 46400 | 2000 |
| Deer Island..... | 21 | 480 | 9300 | 147 | 250 | 13400 | 258 | 16400 | 9600 | 22 | 8800 | | | | | | 3500 | 28000 |
| Campo Bello..... | 14 | 201 | 5475 | 51 | 116 | 5019 | 212 | 7779 | 7779 | 25 | 2500 | | | | | | 11166 | 50700 |
| Grand Manan..... | 18 | 500 | 13000 | 95 | 350 | 30000 | 350 | 14000 | 13000 | 22 | 11000 | | | | 30 | | 5500 | 525000 |
| Total..... | 93 | 1768 | 44975 | 487 | 882 | 56069 | 1180 | 62649 | 42429 | 86 | 25740 | 2500 | ... | 1100 | ... | 69016 | 607300 | |

Boats engaged in the Fisheries, &c.—New Brunswick.—Continued.

| KINDS OF F I | | | | | | | | | | | | | FISH PRODUCTS. | | VALUE. | | | |
|--------------------|-----------|-------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|-------------|----------------|-------------------|-----------------|--------------------|--------|-------------------|-------------------------------|----|
| Alewives, barrels. | Cod, cwt. | Ood Tongues and Sounds, brls. | Pollack, cwt. | Hake, cwt. | Haddock, lbs. | Halibut, lbs. | Shad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, barrels. | Oysters, barrels. | Lobsters, cans. | Fish Oil, gallons. | | Fish Guano, tons. | Fish used as manure, barrels. | \$ | cts. |
| 250 | 150 | ..... | ..... | ..... | 22400 | ..... | ..... | ..... | ..... | 4000 | ..... | ..... | 76000 | ..... | ..... | ..... | 17866 | 50 |
| 30 | ..... | ..... | 250 | 765 | 12000 | ..... | ..... | ..... | 1900 | ..... | ..... | ..... | 89400 | 1200 | ..... | 1500 | 36576 | 50 |
| ..... | 1750 | 18 | 1050 | 9100 | 302000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10080 | 10 | ..... | 246660 | 50 |
| ..... | 2400 | ..... | 4100 | 6000 | 28000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18680 | 18000 | 350 | 600 | 87592 | 00 |
| ..... | 645 | ..... | 4438 | 2615 | 1360 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4867 | 8324 | ..... | ..... | 90954 | 00 |
| ..... | 10000 | 25 | 5000 | 30000 | 500000 | 50000 | ..... | ..... | ..... | ..... | ..... | ..... | 178224 | 50000 | 400 | 3000 | 405958 | 60 |
| 280 | 14945 | 43 | 14838 | 48480 | 865760 | 50000 | ..... | ..... | 1900 | 4000 | ..... | ..... | 367171 | 87604 | 760 | 5100 | 885598 | 10 |

RECAPITULATION showing the Number, Tonnage, and Value of Vessels and Boats engaged in the Fisheries, &c.—New Brunswick.—Continued.

| No. | COUNTY. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | KINDS OF FISH. | | | | | | | | |
|-----|-------------------------|--|---------------|--------|--------|--------|--------|-------------------|--------|--------|--------|------------------|----------------------------|----------------------|-----------------------|--------------------|--------------------|--------------------|-----------------------------|--------|
| | | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon, Fresh, in ice, lbs | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels. | Mackerel, in cans. | Herrings, barrels. | Herrings, Smoked, in boxes. | |
| | | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Value. | No. | Value. | | | | | | | | | |
| 1 | Restigouche..... | 19 | 582 | 15500 | 68 | 17890 | 8520 | 30 | 399129 | 94869 | 50 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | | |
| 2 | Gloucester..... | 1014 | 118750 | 2255 | 62015 | 22443 | 180812 | 26880 | 6170 | 13320 | 18140 | 18140 | 18140 | 18140 | 18140 | 18140 | 18140 | 18140 | | |
| 3 | Northumberland..... | 65 | 325 | 4560 | 224 | 41674 | 23649 | *159 | 4770 | 6020 | 3552 | 100 | 12844 | 520 | 520 | 520 | 520 | 520 | | |
| 4 | Kent..... | 58 | 273 | 3200 | 62 | 745 | 12550 | 24100 | 500 | 760 | 30000 | 1280 | 17650 | 3350 | 3350 | 3350 | 3350 | 3350 | | |
| 5 | Westmoreland..... | 4 | 30 | 550 | 20 | 182 | 18600 | 7275 | 47 | 81200 | 380 | 6805 | 2800 | 2800 | 2800 | 2800 | 2800 | 2800 | | |
| 6 | Albert..... | 7 | Victoria..... | 90 | 190 | 3600 | 2200 | 8 | 750 | 30 | 5 | 7487 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | | |
| 7 | York..... | 30 | 120 | 30 | 30 | 629 | 314 | 2000 | 8739 | 50000 | 12180 | 607300 | 69016 | 607300 | 607300 | 607300 | 607300 | 607300 | | |
| 8 | Queens and Sanbury..... | 261 | 4930 | 506 | 6700 | 2970 | 1155 | 31 | 10100 | 180400 | 1100 | 43814 | 111491 | 610300 | 610300 | 610300 | 610300 | 610300 | | |
| 9 | Kings..... | 43 | 610 | 43 | 730 | 100250 | 71000 | 86 | 25740 | 2500 | 56020 | 158331 | 9080 | 43814 | 111491 | 610300 | 610300 | 610300 | | |
| 10 | St. John..... | 36 | 795 | 16500 | 229 | 1180 | 67649 | 42429 | 625 | 42120 | 112 | 1530021 | 56020 | 158331 | 9080 | 43814 | 111491 | 610300 | | |
| 11 | St. John..... | 93 | 1768 | 44975 | 487 | 7622 | 358912 | 207165 | 625 | 42120 | 112 | 1530021 | 56020 | 158331 | 9080 | 43814 | 111491 | 610300 | | |
| 12 | Charlotte..... | 275 | 3773 | 85285 | 1090 | 4361 | 217865 | 7622 | 358912 | 207165 | 625 | 42120 | 112 | 1530021 | 56020 | 158331 | 9080 | 43814 | 111491 | 610300 |
| | Total..... | 275 | 3773 | 85285 | 1090 | 4361 | 217865 | 7622 | 358912 | 207165 | 625 | 42120 | 112 | 1530021 | 56020 | 158331 | 9080 | 43814 | 111491 | 610300 |

* Bag nets.

RECAPITULATION showing the Number, Tonnage, and Value of Vessels and Boats engaged in the Fisheries, &c.—New Brunswick.—Continued.

| No. | COUNTIES. | KINDS OF FISH. | | | | | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. \$ cts. |
|-----|-------------------------|--------------------|-----------|------------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|-------------|-----------------|-------------------|-----------------|--------------------|-------------------|----------------------------------|--------------|-------------------|
| | | Alewives, barrels. | Cod, cwt. | Cod Tongues and Soups, barrels. | Pollock, cwt. | Hake, cwt. | Haddock, lbs. | Halibut, lbs. | Shad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Belts, barrels. | Oysters, barrels. | Lobsters, cans. | Fish Oil, gallons. | Fish Guano, tons. | Fish used as Manure, barrels. | | |
| 1 | Restigouche..... | 200 | | | | | | | | | 1400 | 1000 | 20 | | 125428 | 80 | 335 | 400 | 105,089 40 | |
| 2 | Gloucester..... | 860 | 42700 | 225 | | 8200 | 850 | 3390 | | 17350 | 22900 | 227000 | 380 | 6000 | 604760 | 27240 | 300 | 300 | 522,908 95 | |
| 3 | Northumberland..... | 366 | 330 | | | 290 | | | | 23 | 140593 | 4600 | 835852 | 29 | 2780 | 65336 | 240 | | 166,429 04 | |
| 4 | Kent..... | 575 | 1595 | 45 | | 876 | 12050 | | | | 50900 | 9280 | 900000 | 430 | 2240 | 1100000 | 1460 | | 267,742 30 | |
| 5 | Westmoreland..... | 480 | | | | 199 | 188 | | | | 3610 | 3000 | 7509 | 350700 | 443 | 250 | 1000 | 300 | 154,308 90 | |
| 6 | Albert..... | 85 | 20 | | | 145 | 1700 | 1800 | | | 650 | 1200 | 11000 | 9000 | | | 160 | | 8,403 50 | |
| 7 | Victoria..... | | | | | | | | | | 10 | | | | | | | | 165 00 | |
| 8 | York..... | | | | | | | | | | 15 | | | | | | | | 1,240 05 | |
| 9 | Queens and Sunbury..... | 1160 | | | | | | | | | 254 | 14300 | 400 | | | | 450 | | 9,306 50 | |
| 10 | Kings..... | 310 | | | | | | | | | 50 | 3110 | 500 | 4 | | | | | 3,976 95 | |
| 11 | St. John..... | 5300 | 8000 | 120 | 2500 | 3210 | 106000 | 91900 | | 300000 | | | | | | | 2080 | 300 | 180,631 00 | |
| 12 | Charlotte..... | 280 | 14945 | 43 | 14838 | 48430 | 865760 | 50000 | | | 1900 | 4000 | 50 | | 15000 | 367171 | 87604 | 760 5100 | 885,598 10 | |
| | Total | 8936 | 66270 | 433 | 18027 | 61419 | 986360 | 147090 | 4747 | 259553 | 59180 | 2426952 | 1356 | 11270 | 2769711 | 120314 | 1095 | 6100 | 2,305,790 69 | |

RECAPITULATION

Of the Yield and Value of the Fisheries of New Brunswick during the Year 1878.

| Kinds of Fish. | Quantities. | Prices. | | Value | |
|----------------------------|--------------------------------------|-----------------|------|-------|--------------|
| | | \$ | cts. | \$ | cts. |
| Salmon, Pickled..... | 112 | barrels at..... | 15 | 00 | 1,680 00 |
| do Fresh, in ice..... | 1,530,021 | lbs. "..... | 0 | 15 | 229,503 15 |
| do Smoked..... | 56,020 | " "..... | 0 | 15 | 8,403 00 |
| do in cans..... | 155,331 | " "..... | 0 | 15 | 23,299 65 |
| Mackerel..... | 9,080 | barrels "..... | 10 | 00 | 90,800 00 |
| do Preserved..... | 43,814 | cans "..... | 0 | 15 | 6,572 10 |
| Herrings..... | 111,491 | barrels "..... | 4 | 00 | 445,964 00 |
| do Smoked..... | 610,300 | boxes "..... | 0 | 25 | 152,575 00 |
| Alewives..... | 8,936 | barrels "..... | 5 | 00 | 44,630 00 |
| Cod..... | 68,270 | cwt. "..... | 4 | 25 | 290,147 50 |
| do Tongues and Sounds..... | 433 | barrels "..... | 7 | 00 | 3,031 00 |
| Pollack..... | 18,027 | cwt. "..... | 3 | 50 | 63,094 50 |
| Hake..... | 61,419 | " "..... | 3 | 50 | 214,966 50 |
| Haddock..... | 9,863 ⁶⁰ / ₁₀₀ | " "..... | 3 | 50 | 34,522 60 |
| Halibut..... | 147,090 | lbs. "..... | 6 | 06 | 8,825 40 |
| Shad..... | 4,747 | barrels "..... | 8 | 00 | 37,976 00 |
| Bass..... | 259,553 | lbs. "..... | 0 | 06 | 15,573 18 |
| Trout..... | 59,480 | " "..... | 0 | 06 | 3,568 80 |
| Smelt..... | 2,426,952 | " "..... | 0 | 03 | 72,808 56 |
| Eels..... | 1,356 | barrels "..... | 9 | 00 | 12,204 00 |
| Oysters..... | 11,270 | " "..... | 3 | 00 | 33,810 00 |
| Lobsters, in cans..... | 2,759,711 | cans "..... | 0 | 15 | 413,956 65 |
| Fish Oil..... | 120,314 | galls. "..... | 1 | 0 65 | 78,204 10 |
| do Guano..... | 1,095 | tons "..... | 15 | 00 | 16,425 00 |
| do used as Manure..... | 6,400 | barrels "..... | 0 | 50 | 3,200 00 |
| Total 1878..... | | | | | 2,305,790 69 |
| do 1877..... | | | | | 2,133,236 97 |
| Increase..... | | | | | 172,553 72 |

APPENDIX No. 16.

REPORT ON THE FISHERIES OF THE PROVINCE OF PRINCE EDWARD
ISLAND, FOR THE YEAR 1878.

KING'S COUNTY.

MARTIN McINNIS, *Overseer.*

I have the honour to submit the following report on the fisheries of King's County, Prince Edward Island, for the year 1878.

Salmon and trout, as well as bass, have largely increased in this county, owing to the efficient restrictions placed upon the illegal practices of the old poachers. The enforcement of the close season has also been in a great measure conducive to the amelioration of this fishery. Mackerel were plentiful; the yield shows an increase of 661 barrels over last year's catch. The fishermen did not, nevertheless, prosecute mackerel fishing on such a large scale as they might have done, owing to the low prices offered on the American market. It must also be remarked that these fish are generally of very small size now, and this is attributed to the destructive practice of seining and to the use of trawls and bag-nets. There is no doubt but that these fishing engines, besides destroying large numbers of fish, are surely driving them from their usual places of resort. The trawl, in particular, being left in the water all the time, the fish are thrown off the hooks in great numbers by the violence of the sea to die and rotten at the bottom, and thus render the water unfit for fish to live there. It is a fact that cod and haddock are fast decreasing in number on our coast, and I cannot too strongly recommend the prohibition of trawl-fishing. Hake-fishing was good, yielding 3,946 cwt. over last year's catch. Messrs. Fuller, of Souris, have started an establishment where they put up hake as boneless fish in 14lb. boxes, and ship it to the different markets. This new industry will give a great importance to the hake fishery. Gaspereaux are finding their way back to their old places of resort. Owing to the vigilance of the fishery officers, this fishery is increasing, and should the obstruction thrown across the North Lake Inlet in the shape of a causeway bridge be removed, I am sure this fishery would soon become as good, if not better, than in previous years. Smelt and tom-cod fishing was far better than in 1877; 3,100 lbs. being caught this season, against 2,200 lbs. in the previous year. Oyster-fishing is not very productive in this County, owing to large accumulations of sand and mud washed over the oyster beds by the currents. The farmers, nevertheless, utilize the decayed oysters and shells as manure, and thousands of cart-loads are spread over the soil during the winter, proving a rich and valuable fertilizer.

Lobster-fishing was actively prosecuted and very productive this season. There are several establishments in this county for the packing of lobsters, and the total quantity put up was 957,000 lbs., against 542,980 lbs. in 1877, or an increase of 414,020 lbs.

On the whole, fishing was good, and the value of the catch shows an increase of \$77,205 over that of 1877.

QUEEN'S COUNTY.

ISAAC THOMPSON, *Overseer.*

I have the honour to submit the following report on the fisheries of Queen's County, Prince Edward Island, during the year 1878.

Mackerel.

This fish was very plentiful during the past season, though generally of a poor quality, and as a consequence low prices have prevailed. The system of seining adopted by certain American fishermen has been the means of raking large quantities of fish, and the practice of hoaving overboard the of small unmerchantable fish is considered to be very injurious to the fisheries. It is a general opinion among the sea-faring population, that seining, if not prohibited, should at least be carried on subject to certain regulations, one of which should prohibit the casting of small fish overboard.

Herrings.

In consequence of the ice remaining late on the coast, the quantity of herring taken this spring was comparatively small, and the catch was, for the most part, used as bait.

Lobsters.

The lobster fishery has become a very important branch of our fishing industry, but some caution is necessary lest this thriving business should be ruined by over fishing. My experience of last summer, tends to confirm the observations I made in my previous report, relative to the spawning season, and the necessity of extending the close time. I would now recommend that the close season should be made at least two weeks longer, for the in-shore traps, but I believe that at a distance of from two to three miles from shore, fishing might continue without interruption.

Salmon.

In Winter and West Rivers, and especially in the former stream, this fish is rapidly increasing. I wish to bring under your notice the desirability of commencing a salmon-breeding establishment on the Island. for which purpose Winter River might be suitable, as there is in this stream a space of two miles in length above tide water. without any obstruction, which might be used as breeding-ponds, and an abundance of parent fish are available to commence with. The vicinity of the Suffolk Road railway station would also be very advantageous for the purpose, as the fry might be conveniently distributed to other parts of the Island. Winter River was full of spawning salmon until lately, and last summer great numbers of salmon were seen in Tracadie Bay. These fish may fairly be presumed to have been bred in Winter River.

No infringement of the fishery law has been brought to my notice, except the case of an Indian who killed five salmon in the bay. I fined him and sent him away from the neighbourhood.

Alewives.

A person should be appointed to look after the ponds at Curran's Run, near Campbell, New London, and another at the ponds near Bedford Bay; otherwise this fish will soon be extinct.

Oysters.

The quantity of oysters taken during the past season was about the same as in previous years. I would again recommend the appointment of a Fishery Warden for Charlottetown, unless one could be appointed for the East, and another for the West River.

On the whole, it appears from the returns that, notwithstanding the partial failure of some branches of the fisheries in this County during the past season, the total value of the yield exceeds that of the preceding year by \$43,885.90; the respective values for the two last years being:

| | |
|-----------|--------------|
| 1877..... | \$176,083 10 |
| 1878..... | 219,969 00 |

PRINCE COUNTY.

JOHN CLARK, *Overseer.*

I have the honor to transmit my annual report of the yield and value of the fisheries in Prince County, Prince Edward Island, for the year 1878.

The total value of the fish caught in this County during 1878 is \$268,914.58, showing a decrease of \$43,792, as compared with that of 1877. This falling-off is principally in the mackerel fishery. Fishing was never more vigorously prosecuted than last season, 614 boats and 2,086 men being engaged in this industry; but the fishermen state that owing to so many vessels fishing with seines and throwing over-board large quantities of dead fish, mackerel would not take the bait. They also say that, if this practice is not stopped, the fisheries in the strait and in North Bay will be ruined before three years have elapsed. Lobster-fishing was also very productive and actively prosecuted this year. The total quantity put up in cans was 226,800 pounds, or 112,880 pounds more than in 1877. With reference to a close season for this fish, it is not an easy matter to determine the dates. I have seen female lobsters with eggs in the month of November, but I never saw any having eggs in deep water at any time of the year. I believe they come ashore to deposit their eggs, then cast their shell and return into deep water so soon as the shell is again hard.

Salmon fishing is not actively prosecuted, I am sorry to say. It is not for want of fish, for our rivers are literally filled with them in the spawning season, and consequently they must be very plentiful on the outside shore during the fishing season. Mill, Pierre Jacques, Wilmot, and Dunk Rivers are the principal salmon streams in Prince County. They were all well stocked with this kind of fish last fall, especially Dunk River, where salmon had never been seen in such numbers.

The yield of oyster-fishing shows a decrease of 2,900 barrels as compared with the yield of 1877. This falling-off is owing to the low prices offered on the markets, which deterred many from engaging in the business. Nearly all the oysters sold this year were taken in Richmond Bay and the Narrows.

The fishery regulations have been well observed as regard oysters, but I am sorry to say that the wardens on Dunk River had a great deal of trouble with the poachers.

RETURN shewing the Number, Tonnage and Value of Vessels and Boats and Quantities of Fish, and the Total Number of Men employed,

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | |
|--|--|----------|--------|--------|-------|--------|-------------------|----------|--------|-----|------------------|----------------------------|----------------------|--------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | Salmon, barrels. | Salmon, Fresh in ice, lbs. | Salmon, Smoked, lbs. | Mackerel, barrels. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  | Value. |
| <i>Kings.</i> | | \$ | | | \$ | | | \$ cts. | \$ | | | | | |
| County Line to White Sands..... | | | | 38 | 1140 | 69 | 196 | 98 00 | | | | | 87 | |
| White Sands to Gurnsey Cove..... | | | | 8 | 240 | 18 | 138 | 69 00 | | | | | 40 | |
| Gurnsey Cove to Cape Bear..... | | | | 18 | 450 | 36 | 81 | 40 50 | | | | | 35 | |
| Cape Bear to Sable Point..... | 7 360 | 7200 | 20 | 60 | 1500 | 162 | 127 | 63 50 | | | | | 162 | |
| Sable Point to South Point..... | | | | 30 | 750 | 52 | 129 | 64 50 | | | | | 380 | |
| South Point to Sturgeon Bay..... | | | | 26 | 650 | 49 | 140 | 70 00 | | | | | 278 | |
| Sturgeon Bay to St. Mary's Bay..... | | | | 12 | 300 | 23 | 30 | 15 00 | | | | | 60 | |
| St. Mary's Bay to Albion Bay..... | | | | 5 | 125 | 14 | 54 | 27 00 | | | | | 62 | |
| Albion Bay to Indian Point..... | | | | 12 | 300 | 30 | 86 | 43 00 | | | | | 104 | |
| Indian Point to St. Andrew's Point..... | | | | 14 | 700 | 22 | 108 | 54 00 | | | | | 318 | |
| Georgetown to Bruce Point, (Annandale included)..... | 2 102 | 2040 | 13 | 18 | 450 | 38 | 109 | 54 50 | | | | | 310 | |
| Bruce Point to Sprey Point..... | | | | 40 | 1000 | 80 | 204 | 102 00 | | | | | 200 | |
| Sprey Point to Sprey Cove..... | | | | 9 | 225 | 18 | 86 | 43 00 | | | | | 172 | |
| Sprey Cove to Howe Bay..... | | | | 20 | 500 | 42 | 120 | 60 00 | | | | | 118 | |
| Howe Bay to Fortune Bay..... | | | | 26 | 650 | 50 | 108 | 54 00 | | | | | 107 | |
| Fortune Bay to Colville Bay..... | 1 56 | 1680 | 6 | 101 | 2500 | 108 | 462 | 226 00 | | | | | 1622 | |
| Colville Bay to Little Harbour..... | | | | 59 | 1475 | 126 | 180 | 90 00 | | | | | 302 | |
| Little Harbour to Bastion Head..... | | | | 14 | 93 | 33 | 189 | 94 50 | | | | | 184 | |
| Bastion Head to East Point..... | | | | 36 | 900 | 74 | 224 | 112 00 | | | | | 497 | |
| Black Point to North Lake..... | | | | 16 | 400 | 36 | 260 | 130 00 | | | | | 296 | |
| North Lake to Fairfield..... | | | | 18 | 450 | 42 | 300 | 120 00 | | | | | 282 | |
| Fairfield to Long Point..... | | | | 46 | 886 | 100 | 380 | 162 00 | | | | | 346 | |
| Long Point to Black Bush..... | | | | 48 | 560 | 86 | 189 | 75 60 | | | | | 326 | |
| Black Bush to Bear River..... | | | | 40 | 1000 | 84 | 194 | 77 60 | | | | | 382 | |
| Bear River to Big Cape..... | | | | 32 | 640 | 58 | 379 | 151 60 | | | | | 400 | |
| Big Cape to Cable Head..... | | | | 36 | 720 | 72 | 379 | 149 60 | | | | | 600 | |
| Cable Head to Greenwich..... | | | | 8 | 160 | 18 | 60 | 24 00 | | | 4 | 842 | 89 | |
| St. Peter's Harbour..... | 2 60 | 1080 | 14 | 12 | 720 | 36 | 300 | 150 00 | | | 16 | 1800 | 562 | |
| St. Peter's Lake..... | | | | 13 | 260 | 28 | 271 | 135 50 | | | 2 | 671 | 100 | |
| Savage Harbour..... | | | | 18 | 450 | 52 | 199 | 99 50 | | | | | 420 | |
| Midgell River..... | | | | | | | | | | | | | | |
| Total..... | 12 578 | 12000 | 63 | 833 | 20199 | 1666 | 5872 | 2645 90 | | | 22 | 3313 | 8838 | |

engaged in the Fisheries; Quantity and Value of Fishing Material; Kinds &c., in the Province of Prince Edward Island, for the Year 1878.

| KINDS OF FISH. | | | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | | | | | |
|--------------------|--------------------|-----------------------------|----------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|----------------|----------------|-------------------|--------|-----------------|--------------------|-------------------|-------------------------------|----|
| Mackeral, in cans. | Herrings, barrels. | Herrings, Smoked, in boxes. | Alewives, lbs. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollock, cwt. | Hake, cwt. | Hadlock, lbs. | Halibut, lbs. | Shad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, barrels. | Oysters, barrels. | | Lobsters, cans. | Fish Oil, gallons. | Fish Guano, tons. | Fish used as Manure, barrels. | \$ | cts. |
| ..... | 310 | ..... | ..... | 410 | 50 | ..... | 722 | 1400 | 100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 364 | ..... | ..... | 6,498 | 00 |
| ..... | 62 | ..... | ..... | 96 | 6 | ..... | 150 | 2000 | 110 | ..... | ..... | ..... | ..... | ..... | ..... | 50000 | 140 | ..... | ..... | 11,604 | 60 |
| ..... | 82 | ..... | ..... | 298 | 14 | ..... | 346 | 800 | 80 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 211 | ..... | ..... | 3,126 | 54 |
| ..... | 344 | ..... | ..... | 858 | 68 | ..... | 900 | 200 | 40 | ..... | ..... | ..... | ..... | ..... | ..... | 268000 | 396 | ..... | ..... | 63,358 | 46 |
| ..... | 186 | ..... | ..... | 302 | 26 | ..... | 354 | 800 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 162 | ..... | ..... | 6,045 | 96 |
| ..... | 66 | ..... | ..... | 216 | 30 | ..... | 330 | 284 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 200 | ..... | ..... | 4,780 | 52 |
| ..... | 15 | ..... | ..... | 56 | 2 | ..... | 49 | 200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 24 | ..... | ..... | 951 | 00 |
| ..... | 30 | ..... | ..... | 71 | 2 1/2 | ..... | 100 | 106 | 201 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 30 | ..... | ..... | 1,257 | 74 |
| ..... | 40 | ..... | ..... | 196 | 4 | ..... | 200 | 192 | 87 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 36 | ..... | ..... | 2,448 | 98 |
| ..... | 122 | ..... | ..... | 90 | 5 | ..... | 162 | 700 | 172 | ..... | ..... | ..... | ..... | ..... | ..... | 294000 | 100 | ..... | ..... | 62,814 | 32 |
| ..... | 82 | ..... | ..... | 198 | 6 | ..... | 184 | 2600 | 72 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 102 | ..... | ..... | 4,351 | 32 |
| ..... | 72 | ..... | ..... | 248 | 10 | ..... | 396 | 5200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 178000 | 162 | ..... | ..... | 40,415 | 00 |
| ..... | 62 | ..... | ..... | 84 | 4 | ..... | 100 | 1600 | 110 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 60 | ..... | ..... | 2,398 | 60 |
| ..... | 84 | ..... | ..... | 116 | 6 | ..... | 192 | 4600 | 98 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 96 | ..... | ..... | 2,577 | 88 |
| ..... | 100 | ..... | ..... | 260 | 12 | ..... | 280 | 800 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 102 | ..... | ..... | 3,343 | 00 |
| ..... | 346 | ..... | ..... | 1300 | 24 | ..... | 1464 | 4600 | 272 | ..... | ..... | ..... | ..... | ..... | ..... | 167000 | 500 | ..... | ..... | 58,020 | 32 |
| 1200 | 100 | ..... | ..... | 301 | 20 | ..... | 382 | 22978 | 171 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 396 | ..... | ..... | 6,403 | 60 |
| ..... | 82 | ..... | ..... | 108 | 3 | ..... | 294 | 600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 89 | ..... | ..... | 3,209 | 50 |
| ..... | 132 | ..... | ..... | 494 | 36 | ..... | 369 | 800 | 96 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 399 | ..... | ..... | 8,212 | 26 |
| ..... | 100 | ..... | 526 | 200 | 6 | ..... | 210 | 3000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 84 | ..... | ..... | 6,237 | 00 |
| ..... | 242 | ..... | ..... | 181 | 4 | ..... | 40 | 8006 | 100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 100 | ..... | ..... | 4,408 | 18 |
| ..... | 200 | ..... | ..... | 376 | 8 | ..... | 20 | 14982 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 220 | ..... | ..... | 5,779 | 46 |
| ..... | 98 | ..... | ..... | 307 | 9 | ..... | 40 | 16871 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 184 | ..... | ..... | 5,045 | 13 |
| ..... | 64 | ..... | ..... | 148 | 3 | ..... | 67 | 1874 | 98 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 100 | ..... | ..... | 4,250 | 10 |
| ..... | 382 | ..... | ..... | 379 | 10 | ..... | 64 | 2062 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 196 | ..... | ..... | 6,765 | 86 |
| ..... | 247 | ..... | ..... | 402 | 7 | ..... | 30 | 1875 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 99 | ..... | ..... | 7,668 | 75 |
| ..... | 60 | ..... | ..... | 95 | 1 | ..... | 8 | 6200 | 147 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 30 | ..... | ..... | 1,667 | 34 |
| ..... | 200 | ..... | 40 | 324 | 13 | ..... | 16 | 898 | 281 | ..... | ..... | 824 | ..... | ..... | ..... | ..... | 287 | ..... | ..... | 7,482 | 74 |
| ..... | 81 | ..... | 800 | 107 | 1 | ..... | 8 | 2284 | ..... | ..... | ..... | 400 | ..... | ..... | ..... | ..... | 49 | ..... | ..... | 4,564 | 28 |
| ..... | 58 | ..... | ..... | 375 | 4 | ..... | 11 | 1456 | ..... | ..... | ..... | 261 | ..... | ..... | ..... | ..... | 186 | ..... | 100 | 5,371 | 94 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 182 | ..... | 3100 | 36 | ..... | ..... | ..... | ..... | 412 | 92 |
| 1200 | 4049 | ..... | 1366 | 8596 | 3994 | ..... | 7508 | 109968 | 2255 | ..... | 182 | 1485 | 3100 | 36 | ..... | 957000 | 5104 | ..... | 100 | 351,460 | 64 |

RETURN showing the Number, Tonnage and Value of Vessels and Boats

| COUNTRIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | Salmon, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels. | Mackerel, in cans. | Herrings, barrels. |
|-------------------------------------|--|----------|--------|--------|-------|--------|-------------------|----------|--------|-----|------------------|-----------------------------|----------------------|-----------------------|--------------------|--------------------|--------------------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | | | | | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. |  |  |  |  |  |  |  | Value. |
| <i>Queens.</i> | | | \$ | | \$ | | | \$ | \$ | | | | | | | | |
| Rustico to Cavendish Shore | | | | 110 | 16026 | 512 | 2239 | 550 | | | | | | | 6295 | | 1195 |
| From Cavendish to Sand Hill Point | | | | | 500 | 50 | | | | | | | | | 1000 | | |
| New London | 3 75 | 2600 | 16 | 75 | 8500 | 30 | 1200 | 50 | | | | | | | 2833 | | |
| Wood Island | | | | | | | | | | | | | | | | | 80 |
| Rocky Point | | | | | | | | | | | | | | | | | |
| Point Prim | | | | | | | | | | | | | | | | | |
| Pinette | | | | | | | | | | | | | | | | | |
| Cape Head | | | | 11 | 650 | 49 | 378 | 96 | | | | | | | 536 | | 188 |
| Vernon River | | | | 20 | 400 | 55 | 120 | 30 | | | | | | | 50 | | 11 |
| Tracadie | | | | 22 | 2200 | 110 | 400 | 100 | | | 2000 | | | | 1500 | | 100 |
| French Village | | | | 25 | 750 | 75 | 300 | 75 | | | | | | | 700 | | 126 |
| From Victoria to St. Peter's Island | | | | 68 | 1422 | 223 | 1635 | 758 | | | | | | | 198 | | 238 |
| Total | 3 75 | 2600 | 16 | 342 | 30448 | 1375 | 5272 | 1659 | | | 2000 | | | | 13112 | | 1937 |

engaged in the Fisheries, &c.—Prince Edward Island.—Continued.

| KINDS OF FISH. | | | | | | | | | | | FISH PRODUCTS. | | | VALUE. | | | | |
|-----------------------------|--------------------|-----------|----------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|----------------|----------------|-------------------|--------|-----------------|--------------------|-------------------|-------------------------------|
| Herrings, Smoked, in Boxes. | Alewives, barrels. | Cod, cwt. | Cod Tongues and Sounds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, lbs. | Halibut, lbs. | Shad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, barrels. | Oysters, barrels. | | Lobsters, cans. | Fish Oil, gallons. | Fish Guano, tons. | Fish used as Manure, barrels. |
| | | 793 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 483 | ..... | ..... | 58,553 50 |
| | | 200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 100 | ..... | ..... | 8,850 00 |
| | | 450 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 60 | ..... | 250 | ..... | ..... | 24,769 00 |
| | | 80 | ..... | ..... | 150 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 21000 | ..... | ..... | ..... | 5,290 00 |
| | | | | | | | | | | | | | | 45000 | ..... | ..... | ..... | 9,000 00 |
| | | | | | | | | | | | | | | 100000 | ..... | ..... | ..... | 20,000 00 |
| | | | | | | | | | | | | | | 270000 | ..... | ..... | ..... | 54,000 00 |
| | | 40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 30 | ..... | ..... | 5,215 00 |
| | | 18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 756 00 |
| | | 150 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 30000 | 60 | ..... | 19,150 00 |
| | | 100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 75 | ..... | ..... | 6,537 50 |
| | | 278 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1400 | ..... | ..... | ..... | ..... | 7,848 00 |
| | | 2109 | ..... | ..... | 150 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1540 | 466000 | 998 | ..... | ..... | 219,969 00 |

RETURN showing the Number, Tonnage and Value of Vessels and Boats

| COUNTIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | | | | | | | |
|--------------------------------------|--|----------|--------|--------|-----|----------|-------------------|----------|---------|-----|--------|------------------|-----------------------------|----------------------|-----------------------|-------------------|-------|
| | Vessels. | | | Boats. | | | Nets. | | Weirs. | | | | | | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | Fathoms. | Value. | No. | Value. | Salmon, barrels. | Salmon, Fresh, in ice, lbs. | Salmon, Smoked, lbs. | Salmon, in cans, lbs. | Mackerel, barrels | |
| <i>Prince.</i> | | | | | | | | | | | | | | | | | |
| Tryon, lot 28 | | | | | 4 | 300 00 | 12 | | | | | | | | | | 10 |
| Dunk River..... | | | | | 6 | 400 00 | 12 | 600 | 240 00 | | | | | | | | 20 |
| Summerside..... | | | | | 60 | 3000 00 | 180 | 2000 | 800 00 | | | | | | | | 1410 |
| Egmont Bay..... | | | | | 40 | 2500 00 | 120 | 3000 | 1200 00 | | | | | | | | 1115 |
| West Point and Campbellton..... | | | | | 135 | 7000 00 | 530 | 1125 | 450 00 | | | | | | | | 4000 |
| Mihnegash..... | | | | | 240 | 45000 00 | 800 | 2850 | 1140 00 | | | | | | | | 5977 |
| Tignish, including lots 1 and 2..... | | | | | 40 | 2000 00 | 117 | 2000 | 800 00 | | | 5 | | | | | 400 |
| Kildare Shore..... | | | | | 50 | 5000 00 | 200 | 4000 | 1500 00 | | | | 2000 | | | | 1200 |
| Cascumpec Harbour..... | | | | | 14 | 700 00 | 40 | 1000 | 400 00 | | | | | | | | 150 |
| Lennox Passage..... | | | | | 25 | 2500 00 | 75 | 750 | 300 00 | | | | | | | | 250 |
| Richmond Bay and Prince Town..... | | | | | | | | | | | | | | | | | |
| Total..... | | | | | 614 | 68400 00 | 2086 | 17325 | 6830 00 | | | 5 | 2000 | | | | 14532 |

engaged in the Fisheries, &c.—Prince Edward Island.—Continued.

| KINDS OF FISH. | | | | | | | | | | | | | FISH PRODUCTS. | | VALUE. | | | | | | |
|-------------------|--------------------|-----------------------------|--------------------|-----------|---------------------------------|---------------|------------|---------------|---------------|----------------|------------|-------------|----------------|----------------|-------------------|-----------------|------------------|-------------------|-------------------------------|-------|------------|
| Mackerel in cans. | Herrings, barrels. | Herrings, Smoked, in boxes. | Alewives, barrels. | Cod, cwt. | Cod Tongues and Souds, barrels. | Pollack, cwt. | Hake, cwt. | Haddock, lbs. | Halibut, lbs. | Shad, barrels. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Felt, barrels. | Oysters, barrels. | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, barrels. | \$ | cts. |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 400 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 104 00 |
| ..... | 150 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 20000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,200 00 |
| ..... | 1200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2000 | ..... | 15062 | ..... | ..... | ..... | ..... | ..... | ..... | 46,066 00 |
| ..... | 400 | ..... | ..... | 200 | 25 | ..... | 500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 57600 | 150 | ..... | ..... | ..... | 16,080 00 |
| ..... | 184 | ..... | ..... | ..... | 15 | 1050 | ..... | ..... | ..... | ..... | 1000 | 900 | ..... | ..... | ..... | 43200 | 706 | ..... | ..... | ..... | 24,690 00 |
| ..... | 2800 | ..... | ..... | 1200 | 25 | 2000 | 1536 | ..... | ..... | ..... | ..... | 700 | ..... | ..... | ..... | ..... | 1320 | ..... | ..... | ..... | 45,158 00 |
| ..... | 300 | ..... | ..... | 300 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 125 | ..... | ..... | ..... | 5,712 50 |
| ..... | 2000 | ..... | ..... | 500 | 10 | 500 | ..... | ..... | ..... | ..... | ..... | 500 | ..... | 1000 | 120000 | 500 | ..... | ..... | ..... | ..... | 48,610 00 |
| ..... | 250 | ..... | ..... | 120 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 300 | ..... | ..... | 50 | ..... | ..... | ..... | 3,605 00 |
| ..... | 300 | ..... | ..... | 600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6000 | 100 | ..... | ..... | ..... | ..... | 6,850 00 |
| ..... | 7584 | ..... | ..... | 2920 | 75 | 4050 | 1536 | ..... | ..... | ..... | 1000 | 24500 | ..... | ..... | 16362 | 226800 | 2951 | ..... | ..... | ..... | 268,914 50 |

RECAPITULATION showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries; Quantity and Value of Fishing Material; Kinds and Quantities of Fish, and the Total Number of Men employed, &c., in the Province of Prince Edward Island, for the Year 1878.

| COUNTRIES. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | FISHING MATERIAL. | | | | KINDS OF FISH. | | | | | | | |
|--------------------|--|------------|--------------|-----------|-------------|---------------|-------------------|--------------|--------------|-----------|----------------|-----------------------------|----------------------|-----------------------|-----------------|--------------------|-----------------|-----------------------------|
| | Vessels. | | Boats. | | Mens. | | Fathoms. | Nets. | | Weirs. | | Salmon, fresh, in ice, lbs. | Salmon, smoked, lbs. | Salmon, in cans, lbs. | Mackerel, drls. | Mackerel, in cans. | Herrings, drls. | Herrings, smoked, in boxes. |
| | No. | Tonnage. | Value. | Men. | No. | Value. | | No. | Value. | No. | Value. | | | | | | | |
| 1 Kings..... | 12 | 578 | 12000 | 63 | 833 | 20199 | 1666 | 5672 | 2645 | 90 | 22 | 3312 | | | 8638 | 1200 | 4049 | |
| 2 Queens..... | 3 | 75 | 2600 | 16 | 342 | 30448 | 1375 | 5272 | 1659 | 00 | | 2000 | | | 13112 | | 1937 | |
| 3 Prince..... | | | | | 614 | 68100 | 2086 | 17325 | 6830 | 00 | 5 | 2000 | | | 14532 | | 7584 | |
| Total | 15 | 653 | 14600 | 79 | 1789 | 119047 | 51217 | 28269 | 11134 | 90 | 27 | 7313 | | | 36482 | 1200 | 13670 | |

| COUNTRIES. | KINDS OF FISH. | | | | | | | | | | | | | FISH PRODUCTS. | | VALUE. | | | |
|--------------------|-----------------|--------------|-------------------------------|---------------|---------------|---------------|---------------|--------------|-------------|-------------|--------------|----------------|----------------|-----------------|------------------|-------------------|----------------------------|-----------------|-----------------------------|
| | Alewives, drls. | Cod, cwt. | God Tongues and Sounds, drls. | Pollack, cwt. | Hake, cwt. | Haddock, lbs. | Halibut, lbs. | Shad, drls. | Bass, lbs. | Trout, lbs. | Smelt, lbs. | Eels, drls. | Oysters, drls. | Lobsters, cans. | Fish Oil, galls. | Fish Guano, tons. | Fish used as Manure, drls. | Herrings, drls. | Herrings, smoked, in boxes. |
| | | | | | | | | | | | | | | | | | | | |
| 1 Kings..... | 1366 | 8596 | 3954 | | 7508 | 109968 | 2255 | | 182 | 1485 | 3100 | 36 | | 957000 | 5104 | 100 | | 351,460 | 64 |
| 2 Queens..... | | 2109 | | 150 | | | | | | | | | 1540 | 468000 | 998 | | | 219,989 | 00 |
| 3 Prince..... | | 2920 | 75 | 4050 | | 1000 | | | 24500 | | | | 16362 | 226800 | 2951 | | | 266,914 | 58 |
| Total | 1366 | 13625 | 4742 | 11708 | 111504 | 2255 | 1182 | 25985 | 3100 | 36 | 17902 | 1649300 | 9053 | 100 | 840,344 | 22 | | | |

RECAPITULATION

Of the Yield of the Fisheries of Prince Edward Island during the Year 1878.

| Kinds of Fish. | Quantities. | Prices. | | Value. | |
|---|------------------------|---------|------|-----------|------|
| | | \$ | cts. | \$ | cts. |
| Codfish | 13,625 cwt. at | 4 | 00 | 54,500 | 00 |
| Herring! | 13,570 brls. " | 4 | 00 | 54,280 | 00 |
| Mackerel | 36,482 do " | 8 | 00 | 291,856 | 00 |
| do preserved in cans..... | 1,200 lbs. " | 0 | 10 | 120 | 00 |
| Haddock..... | 111,504 do " | 0 | 03 | 3,345 | 12 |
| Hake..... | 11,708 cwt. " | 3 | 00 | 35,124 | 00 |
| Salmon, Pickled | 27 brls. " | 10 | 00 | 270 | 00 |
| do Fresh, in ice..... | 7,313 lbs. " | 0 | 06 | 438 | 78 |
| Alewives | 1,366 brls. " | 3 | 50 | 4,781 | 00 |
| Trout | 25,985 lbs. " | 0 | 06 | 1,559 | 10 |
| Bass | 1,182 do " | 0 | 06 | 70 | 92 |
| Halibut..... | 2,255 do " | 0 | 06 | 135 | 30 |
| Smelt | 3,100 do " | 0 | 06 | 186 | 00 |
| Wels..... | 36 brls. " | 6 | 00 | 216 | 00 |
| Cod Tongues and Sounds..... | 474 do " | 11 | 00 | 5,219 | 50 |
| Oysters | 17,902 do " | 3 | 00 | 53,706 | 00 |
| Lobsters, preserved in cans..... | 1,649,800 lbs. " | 0 | 20 | 329,960 | 00 |
| Fish Oil | 9,053 galls. " | 0 | 50 | 4,526 | 50 |
| Fish used as Manure | 100 brls. " | 0 | 50 | 50 | 00 |
| Total value of the products of the Fisheries for 1878 | | | | \$840,344 | 22 |
| do do do 1877..... | | | | 763,035 | 98 |
| Increase..... | | | | \$77,308 | 24 |

APPENDIX No. 17.

REPORT OF THE INSPECTOR OF FISHERIES FOR BRITISH COLUMBIA
FOR THE YEAR 1878.

VICTORIA, B. C., 3rd January, 1879.

To the Hon. JAMES C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honor to transmit herewith return-statement and other documents connected with the fisheries in this Province for the past year.

1. The result is very encouraging, and may be accepted in earnest of still greater and more rapid improvement in the near future. Upon Fraser River, where chiefly the salmon business is at present carried on, the successive runs of fish continued with much regularity throughout the season, and the several canneries were enabled to put up more than one hundred thousand cases of tinned salmon, and upwards of five thousand barrels of salted fish, chiefly for exportation. Copious supplies, too, have reached the upper waters, spreading contentment among the natives along the banks, to whom the salmon are a chief source of subsistence, and plentifully re-stocking the spawning beds in the remote interior.

2. Acting on the authority previously given to me by the Department, I, in July, employed Captain George Pittendreich, as Fishery Officer for the Lower Fraser and its neighbourhood. A check was thus maintained against possible abuse of the fishery enactments; and though on several occasions it was found necessary to inflict moderate fines for partial violations of the law, the recurrence of the unseemly disorders complained of as having existed during the previous season was effectually prevented.

3. I have every reason to feel satisfied that the operations of the past year have been conducted with economy, and that no avoidable waste of fish has occurred. Of course, from accidental causes, some sacrifice of fish for mercantile purposes has occasionally happened; but, in such cases the cannery proprietors have usually presented the fish gratuitously to the natives around, who have cured the fish by drying for their own consumption.

4. The several Orders in Council for the regulation of the fisheries in this Province, with subsequent modification by telegram, were duly promulgated as soon as received. Some verbal alterations in the proclamation will be necessary, and these, with such suggestions in regard to the general provisions of the *Fisheries Act*, as required to be modified to suit the circumstance of this Province, from the subject of a special report which will accompany this, in accordance with the instructions contained in your circular letter of the 7th December last.

5. In this connection I may state that, early in July, I received from the Provincial Attorney-General a letter covering a communication to him from Chief Justice Sir Matthew B. Begbie, in relation to the supposed operation of the Order in Council. Copies of these, with my reply, have already been submitted for the information of the Department.

6. The question of the Indian fishing rights, to which allusion is made in Sir Matthew Begbie's letter, is of extreme importance and should be decisively dealt with. I have, however, already expressed myself so strongly on this subject in my previous reports that it seems almost needless to dwell on it at any length, and the

less so since it is again referred to in the special report already mentioned. I may add, that by the letter of the Minister of the 5th August, I was duly authorized to suspend the application in regard to the Indians, of the fishery enactments. Previously thereto, however, I had in anticipation of the support of the Department, given directions that the Indian population should not be interfered with, save in cases of obvious abuse, while fishing for their own use in their accustomed way. At the same time, it was stipulated that, where fishing with white men and with modern appliances, the Indians so fishing should be considered as coming in all respects under the general law.

7. While treating of this subject I respectfully refer you to the remarks contained in my last year's report. To these I have little to add, though I would willingly quiet the alarm of those zealous agitators (few, possibly, in number) who contend that the untrammelled exercise of the aboriginal fishing rights must necessarily cause the ruin of the fisheries. These objectors are oblivious of the fact that, up at least to the advent of the white man, the fisheries throughout the Province were admittedly unimpaired. Yet, up to that period, from time immemorial, and while the natives were much more numerous than they now are, the aboriginal fisheries both on the coast and in the interior, were prosecuted, after the hereditary fashion, without that deplorable consequence which, in ignorance or through oversight, some well meaning individuals may now, possibly, choose to foreshadow. Any deterioration that may have appeared of late years in the fisheries either of the coast or in the interior, therefore, must be ascribed to other causes than that referred to. That such deterioration is apparent, however, to any material extent, I am nowise prepared to admit; though in a special instance, (that of Victoria Harbor) it has been found necessary to recommend restrictive measures—but these restrictions affect the white fishermen and not the Indians, whose local interests have partially suffered in common with those of the rest of the community.

8. I have so far sought to place this subject before the Department on grounds solely of humanity, of justice, and of prudential consideration. I have now to add that, in my opinion, the exercise of the aboriginal fishing rights cannot be legally interfered with. I refer you to a pamphlet which accompanies this, published by the Provincial Government on the Indian Land Question, containing copies of the treaties with the Indians of the several tribes under which the settlement of a portion of the Province was commenced and has proceeded. In all of these treaties the following clause appears:—"It is understood, however, that the land itself, with these small exceptions, becomes the entire property of the white people forever; it is also understood that we are at liberty to hunt over the unoccupied lands, and to carry on our fisheries as formerly."

Fourteen tribes, under distinct treaty, have their fishing rights thus indefeasibly secured to them; and the same right, though unexpressed in writing, has of necessity been understood, as settlement extended, to be secured to all the rest.

9. I earnestly repeat, therefore, my former recommendation, that the Indians of this Province be formally exempted, by Order in Council, from the application of the general fishery law. In this way their position will be publicly understood; and the risk will be avoided that, in some remote part of this wide region, some over-zealous official may, through ignorance, be tempted to misapply the intention of the law as at present authorized, and thus originate troubles which it will be more easy to excite than to allay.

10. As notified in my letter of the 23rd September, I judged it necessary to visit during the summer some of the northern fisheries of the coast. After my return, I addressed Lt.-Col. Powell, Indian Superintendent in Victoria, officially, on the objects of my visit, pointing out to him the urgency that steps should be taken to reconcile the disagreements which had arisen in certain localities, between white fishermen lately settled there, and the native occupants of the vicinity. Colonel Powell informs me that he has addressed his Department on the subject; and I assume that the head of that Department has conferred with you regarding it. Judiciously treated these matters may, I opine, be satisfactorily arranged both at the

points in question and elsewhere along the coast; and I have assured the Superintendent that I shall gladly co-operate with him in as far as may be in my power, towards that end.

11. Without going into particulars of my northern visit, noticed in the letter just cited, I subjoin the result of some notes made during its prosecution.

Nass River—This stream which discharges into the arm of the sea, terminating in the Observatory Inlet of Vancouver, close to the Alaska Boundary, is of some magnitude, and with steamers of light draught, might be navigated for twenty miles or more from its entrance. In the lower part the mountains rise, generally, abruptly from the shore. Some miles higher up, they recede in parts, leaving flat alluvial banks of moderate extent. The fishing station of Mr. Robertson,—the only station at present established here—is situated on the right bank, close to the main. Ooláhan fishery of the Indians, who, during spring and early summer, resort thither from many quarters, and in large numbers. Three miles above this point Mr. Robertson has a house, with a considerable patch of land under cultivation, where, during the period of my visit, most of the ordinary culinary vegetables were growing in the most flourishing manner. There is a small steam saw mill here, the timber sawn (of which there is a copious supply) being chiefly, if not entirely, the spruce, or merzies fir, a wood easily wrought and of excellent quality. The main buildings connected with the fishery are, however, at the lower station; and I was much struck with the evidences of industry and energy which were there apparent. With very moderate aid from white and skilled labor, though when necessary with the hired assistance of the Indians of the neighborhood, Mr. Robertson had succeeded in erecting since last year, besides other buildings, a large and substantial structure for present and future operations. This building, 84 feet in breadth, and with the extension of the lower portion upwards of 100 feet in length, was two stories in height, and in every part well finished and neatly glazed. Attached to the lower part was an extension containing the steam apparatus for heating the vats for extracting the ooláhan oil, a business prospectively of much importance. On the whole, I was much pleased with my inspection, and from the interviews which I had with the native chiefs I concluded that Mr. Robertson, who holds a commission as Justice of the Peace, conducts his business, with relation to those around him, with commendable prudence.

The Ooláhan, though frequenting some other rivers along the coast, including Fraser River, is nowhere found of so fine a quality as in the Nass. Of this fish the *Phaleichshys*, or *Osmerus Richardsonii*, I have already spoken in previous reports. The shoals, on their way to the spawning beds, reach the entrance of the Nass about the end of March. The river thenceforward till the termination of the season is crowded with the ascending fish as far as the tide water extends—the limit of their spawning ground. This point, on the Nass River, is some twenty miles above the mouth. After spawning the fish return to the ocean in the ordinary way; but no knowledge of their resort during the interval of their visits is obtainable.

The following varieties of salmon frequent the Nass:

1st Run—About 20th April to 10th June; 27 to 48 lbs. weight; called by the natives *Yee-ágh*, and corresponds apparently with the *Saw-quái* of Fraser River.

2nd Run—About 20th June; 7 to 12 lbs.; called by the natives *Missaugh*, and corresponds apparently with the *Suck-kái* of Fraser River.

3rd Run—About 20th August to end of September; about 15 lbs.; called by the natives *Mil-laet*, and corresponds apparently with the *Co-hues* of Fraser River.

4th Run—A fine silver salmon of from 10 to 12 lbs. weight, succeeds for a short interval. This variety is called by the natives *You-ágh*. The hook-nosed salmon (*S. Canis*), locally called *Kái-neesh*; and the *Stum-maun* (*Hun-nun* or *Hone* of the Lower Fraser), succeed in the late autumn. The former of the last two varieties is a fish of no commercial value, though dried by the natives for their own use, and when caught in the salt water before entering the rivers to spawn, not unpalatable to more fastidious tastes. The *Stum-maun*, a white-fleshed variety, last mentioned, though palatable when fresh, is not valued for curing; though some were, I have

understood, canned at the Skeenâ fisheries during the past season—injudiciously, I think, if intended for market. The first four varieties, which may be regarded as the staple salmon products of the river, are fish of superior quality, and well fitted either for canning or salting.

In addition to the true salmon that ascend the Nass, there is a variety of sea-trout of considerable size (10 or 12 lbs. or more), which enter the river late in the season, and are caught near the outlets of the interior lakes in early spring. These fish, known here as *Lá-ah*, and corresponding apparently with the *Tays-lay* of the Upper Skeenâ, are of fine quality; and if procurable in sufficient abundance would be valuable for market purposes. Continuing to feed voraciously after they leave the salt water, these trout (unlike the salmon in both respects) do not deteriorate as they ascend. Unlike the salmon of these waters, too, they return to the sea after spawning, after the fashion of the genus elsewhere.

I was particular in my enquiries as to the condition of the spawning-beds on the upper waters; and I was glad to be assured by Mr. Robertson that, from his own personal observation, great care is extended by the natives towards their protection. No one is allowed to fish within certain limits; and several circumstances were mentioned by Mr. Robertson, all tending to show that the Indians both understand and appreciate the importance of preserving the nursery grounds from injury.

Through adverse circumstances and the deficiency of time for preparation to meet the requirements of the business, the exertions of Mr. Robertson have not obtained, during the past season, that measure of success which he is entitled eventually to expect. This will appear by reference to the return statement. New arrangements, however, which I understand have been entered upon since my visit, accompanied by the introduction of more capital, justify me in anticipating for another year a very different showing.

In conclusion of this portion of my subject, I may remark that on the whole my visit to this section of the Province, though not performed under the most attractive circumstances, was productive of much satisfaction. I found the Indians of the Nass and its vicinity, who more than forty years ago I had known in a condition of unmitigated barbarism, and some of the elders of whom now eagerly claimed recognition, signally ameliorated in all their social attributes. The humanizing influence of Christian teaching has here done its work as elsewhere in divers parts of the Province; and if the effect has been, so far, only partially and very sparsely extended by zealous teachers, the augury for the future at least is happy, and we must not forget that the field is wide while the labourers are few. I am not, however, to pen a moral disquisition, but to compile a fishery report. Nevertheless, I am tempted, even for relief from monotony of the subject, to dwell briefly on the efforts made for the improvement of the natives in this vicinity.

To Mr. Wm. Duncan, an emissary of the Church Missionary Society of England is due the credit of opening this remote field of Christian operation. The mission station of this gentleman is at Met-hla-Kâta, some thirty miles from the Nass Strait. I had not the opportunity to visit this station, but it has been more than once described, and due justice awarded to the zeal and energy of the founder. Near Fort Simpson, the point where I awaited the return of the steamer from Alaska, the Rev. Mr. Crosby, a Wesleyan Missionary, has been established for some years, and has effected much good. There is a capacious church here, built under his superintendence by the natives; a neat, well-finished edifice, of good exterior mien, and commodious interior arrangement. Evidences of material improvement are all around. Subsidiary to these stations are one at Kincolith, at the entrance of Nass River, where there is a church to which a school is attached, and another some twenty miles up the river, where a school is carried on. The former of these is attached to the Met-hla-Kâta Mission, the latter to that of Fort Simpson.

Skeena River—this stream, the mouth of which is about 50 miles south of Fort Simpson, and about 500 from Victoria, is of somewhat greater volume than the Nass. Circumstances did not permit me to ascend it as in the other case, and my visit was confined to the entrance, near which two canneries are established.

The Skeena, however, has always been regarded by the agents of the Hudson's Bay Company as one of the most prolific streams of the north-west coast, and one less subject to those vicissitudes of supply which have always been characteristic of the Fraser. Indeed the *Babine Post*, seated on Lake *Ná-tá* at the head of one of the tributaries of the Skeena, has always been a staple mart where large supplies of dried fish were procurable, for the supply of other posts, less fortunately situated on the head waters of the Fraser, not far distant. Twenty or thirty thousand salmon, or more if required, have thus been annually procured by the Company for many years, bought from the Indians out of their enormous superfluity. The quality of these fish, too, and their richness, have always been conspicuous, when compared with the salmon caught in a corresponding position in the waters of the Fraser. This difference is ascribable, doubtless, in part to the fact that their travelled course has been shorter; but there are grounds, too, for believing that their condition was originally better.

The success of the canneries at Skeena-mouth, so far, has not been conspicuous; though one of them, it is true, has been only recently established, and cannot, therefore, be fairly judged. Some Indian complications, too, which I have explained elsewhere, and which are now under the consideration of the Indian Department, caused partial impediment during the past season, the recurrence of which, it is to be hoped, will be averted for the future. I cannot conceal my opinion, however, that much of the ill-success complained of may be ascribed to the line of proceeding adopted. My recommendation would be that the main stream of the Skeena itself should be regarded as the chief source of supply, with the certainty of obtaining fish of the choicest quality only. The small streams in the neighborhood, however, which during the past season appear to have been the chief source of attraction, yield only varieties of a comparatively inferior description; and there are other objections too, which, under fuller information, I shall hereafter make the subject of a special report.

The varieties of salmon resorting to the Skeena are identical, so far as I have been able to ascertain, with those found in the Nass.

Alert Bay—This station is on Cormorant Island, on the eastern or inner shore of Vancouver, and near the mouth of the *Nim-Kish* River, about 230 miles from Victoria. Mr. Huson, the proprietor, has a lease of the Island, obtained from the former Colonial Government for 21 years, of which some 9 or 10 have now expired. His operations so far, have been confined to the curing of salmon in barrels, or in the shape of smoked or kippered salmon; but the intention is entertained, I understand, of erecting a cannery on a large scale, in which parties in Victoria will be interested. At present Mr. Huson procures his supply of fish chiefly from the Indians of the *Nim-Kish* River, at a very economical rate; confining the operations of his own fishermen to the seining grounds in the neighborhood, in the salt water. Several varieties of very superior salmon ascend the *Nim-Kish*, and the supply appears to be abundant. Mr. Huson kindly presented me on my way down with a small package of his smoked salmon as a sample. The quality, on trial, proved to be very fine; and salmon thus prepared might, I believe, be profitably exported on a much larger scale than has hitherto been practised.

12. Revolving to the Fraser. As will be perceived by the return, the business of this section has materially increased since last year. Three additional canning establishments have been in operation, making eight now in existence between the vicinity of New Westminster and the mouth of the river. The erection of another, I am informed, is in contemplation. The subjects referred to in the Commissioner's letters of the 28th May have received due attention. With regard to one of these (the question of the disposal of the sawdust at the mills) I am happy to say that the mill owners at once evinced their readiness to comply with the regulations, and all cause for complaint has ceased. These mills are worked by steam, and much of the refuse is consumed in the furnaces, the superfluity being employed for embanking or road making around the premises, or, where not required for these purposes, will be otherwise disposed of. I am glad to have the opportunity of testifying to the

alacrity with which the gentlemen in question have met the views of the Department when signified to them by the local officer, Captain Pittendreich. I had some misgivings about the disposal of the offal from the canneries, lest, possibly, some evil effect as regards the public health might arise—though, as I last year remarked, the greater portion rapidly disappears before the innumerable small fishes. I accordingly wrote recently to Dr. McInnes, the Member for the district, suggesting measures whereby, possibly, the refuse of the canneries might be profitably utilized, as I am told is now done on the Columbia River. After enquiry, Dr. McInnes writes to me that from all he can learn, this measure would not be at present practicable. He agrees with me that, for sanitary, if for no other reasons, it would be impracticable to dispose of the offal by burial on shore; and suggests as the alternative, that the fish curers should be required to convey their offal into mid-channel, whence it would be speedily carried out seaward, and cause no detriment. The cannery proprietors, with whom, at my request, Dr. McInnes consulted, concur in this view, so that there will be no difficulty in securing its general adoption.

13. It would be superfluous for me to attempt to describe the various conditions of a canning establishments as organized for the prosecution of the salmon industry in this Province. I may, however, briefly state that many ingenious devices, with labor-saving apparatus of divers kinds, are eagerly adopted as necessity suggests. It is of course only by an organized system of action and the minute subdivision of labour that the operations of the industry, from the cutting up of the tin plates, the shaping, the soldering up to the final labelling of the cans, after the insertion and cooking of the contents, can be profitably or successfully carried on. It is pleasing to witness the order and regularity with which these various processes are accomplished, and I cheerfully bear witness, after having visited the various canneries in succession, to the prudent regulations which are obviously in force, and the admirable measures to secure cleanliness that prevail. The structure of these establishments, too, and their various internal appointments, bear evidence of confidence in the permanency of the business. There is no appearance of make shift contrivance to serve a temporary purpose; but everything wears a lasting and substantial air. The importance of the industry, from an economical point of view, and in view of its future extension, cannot be disregarded. Already, on the Fraser alone, nearly 2,500 men are employed during the fishing season. Among these, there is a proportion of young Indian men, who are valuable as assistants in the fishery, and readily acquire the art. In the indoor operations a good many Chinese are employed. The services of these last are of special value in the canneries. In consequence of a local law which was passed during the last session of the Provincial Legislature some difficulty with regard to the employment of the Chinese was at one time apprehended, and the cannery proprietors addressed to you a memorial on the subject, of which a copy was transmitted to me. That document puts the question very fairly before you; and on my return from the north I also addressed the Department on the subject. I am happy to add that the evil consequences at one time apprehended were averted.

14. Herring Fishery.—As mentioned in my report of last year a quantity of these fish were put up by a firm in New Westminster in barrels for exportation. The result was unfortunate: through some defect in the packing process the whole lot spoiled and was unmarketable. I am persuaded, however, that it only requires a due knowledge of the art to prepare these fish profitably for market in the usual way. Formerly, it was contended that the herring of this coast were too dry to be worth the trouble of packing; now it is asserted that they are too fat to undergo it. In the one case, caught out of season, they were doubtless worthless; in the other, caught on the banks while in their prime, they are in my opinion a superior fish, fit for curing in any way. I think public attention is now turning towards them, and that a more successful attempt during the coming season will bear me out in the opinion I have always entertained. Then, as I have elsewhere remarked, an industry of boundless extent will become developed.

Meanwhile, failing their more legitimate application, the herrings have been recently turned to account in another way. This is the extraction of their oil for commercial purposes. Late in November I was notified by the Fishery Officer at New Westminster that two persons, Messrs. Hanson and Rouster, had commenced a herring fishery in Burrard Inlet, in that neighbourhood, and were extracting the oil, preserving the refuse for sale as manure. In twenty-five days they had succeeded in getting 1,500 gallons of oil, reported to be of fine quality, and valued at a somewhat higher rate than the ordinary fish oils. I have not yet obtained the return of the whole proceeds of the undertaking up to the end of the year; but, it will doubtless come to hand before the closing of the general abstract which will accompany this.

The establishment of these new adventurers is not a stationary one, but being on a kind of scow, or flat boat, is movable from place to place. The apparatus is described as consisting of a steam boiler, which supplies steam to four vats in which the herring are steamed, and afterwards pressed by means of powerful screws attached to the vats. The oil flows out through perforations in the bottom. The whole outfit is estimated to cost about one thousand dollars. Messrs. Hanson and Rouster, in addition to their own labor, employ five men, and use one boat with eighty yards of net.

Captain Pittendreigh, who supplied the above particulars, adds in his report: "The herrings I saw yesterday, (*i. e.* at Burrard Inlet) were of fine quality, and equal to any on the Atlantic seaboard." The latter conclusion may be fairly questioned, but while unprepared to admit its correctness, I am equally unprepared to controvert it.

15. The deep-sea fishing for halibut, cod and other fish, along the Provincial coast, has not so far received attention to any material extent, the curing of salmon having apparently, almost entirely absorbed the attention of investors. During the past year, however, some parties in Victoria have introduced the practice of shipping fresh halibut in ice to San Francisco, by the steamers which communicate regularly three times a month. The amount thus shipped is computed in the return at \$3,000 value, which is, I am led to believe, under the truth. This branch of business is open to great increase, for there is a constant demand for halibut in the San Francisco market, where from its rarity it commands a high price, being, under present circumstances retailed at fifty cents per pound.

With skill and energy, supported by moderate capital, there lies in the fishing of the Province, as I conceive, a vast and prolific source of wealth—so far only very partially developed. Its varied products I have already at various times described, and when it is taken into consideration that British Columbia possesses at least three thousand miles of coast line, the future of her sea fishing alone, exclusively of the present river fisheries, must be apparent. By our neighbors in California the importance of the cod fishery along the north-west coast seems to be constantly more appreciated. About twenty vessels, owned in San Francisco, and varying in tonnage from 30 to 350 tons, were last year engaged in this fishery, as against six vessels in 1872. Of these, the smaller craft confine their operations to the Alaska Coast, the Choumagin group of Islands being a favorite station.

The larger vessels prosecute the fisheries as far as the Sea of Okhosk; but the fish from that quarter are considered to be of a quality inferior to the Alaskan cod. Upon our own coast, while the value of the cod banks, from deficiency of examination, has not hitherto been so confidently asserted, the productiveness of the halibut fishery, and especially along the outer shores of the Queen Charlotte group, has been long established.

While on this subject, I may mention that some months ago I received a letter from a gentleman in New Brunswick, asking for information concerning the fisheries of this Province. In reply to him, I gave such general information as occurred to me, and authorized him to give publicity to my communication, if he thought it might be of interest to others besides myself.

16. Attention has recently been directed towards the improvement of certain natural oyster beds upon the Gulf of Georgia. Application was made to me by a Mr.

Owen Browne, and others, for a lease of flats in the neighbourhood of Fraser River. This application I had the honor to forward for your approval, under date the 1st October last.

17. With regard to the establishment of a salmon hatchery on the Fraser, I have the honour to refer you to my letters of the 30th November, and 2nd December last, the former covering a copy of resolutions passed by the Board of Cannery Owners at New Westminster, in connexion with the subject referred to. I also transmit herewith copy of a letter recently addressed to me by S. D. Adair, Esq., partially descriptive of the proceedings at the fish establishment not long ago established in Oregon, on a branch of the Columbia River. Whatever the steps adopted in regard to this important matter, I trust that the introduction of the large salmon of the Columbia will not be lost sight of. For this purpose, the position mentioned in my report of last year, conjoined with other general purposes of propagation, still appears to me the most advantageous, but on the other hand it would be more costly, both to erect and to maintain an establishment in that remote position. The question of position, however, as remarked in my letter, is one which an expert alone would be competent to decide; and I am, therefore, the more diffident of expressing an opinion (further than I have already done in my letter) on this point, for such an opinion, coming from an unprofessional, could command little confidence, and might be gravely erroneous.

18. Since writing the foregoing I have completed in town, the abstract of Returns procured from different sources. For the purposes of comparison I have retained the same prices as last year, though from the general depression of trade there has probably been a fall in some items, while there certainly has been a large increase in others. The result shows a total for 1878 of \$925,766.98, as against \$583,432.76 in 1877, an increase in favor of this year of \$342,334.22.

As I have stated in the opening passage of my report everything promises favorably for a continued and rapid increase in the development of the wide resources of the Province. At present, even, apart from the direct money value, and the benefits locally accruing from the prosecution of the fishery interests, its indirect effect on the commerce of the country is important. The tonnage required for the export of the canned fish alone, reckoned at the customary rate of 26 cases to the measurement ton, amounts to about 4,400 tons; of the barrelled salmon to about 900 tons; of the fish oils upwards of 100 tons; so that in the aggregate between five and six thousand tons of ship accommodation is called into demand for foreign export, besides the large business that is created for internal freightage to the points of shipment.

19. To secure, however, the future development of our fisheries in the outlying portion of the seaboard, and to give that feeling of confidence in the case of the Government, without which no operation can be prosecuted with energy, some measures beyond any that have yet been taken, require to be adopted. It is or should be, with the Indian Department that the onus rest, or should rest. In my previous letters to and recent interviews with the Superintendent, Col. Powell, I have dwelt forcibly on the necessity of immediate action being taken, and that in the most decided way, to settle definitely the question of the Indian rights in those localities along the coast where trouble has already arisen, and elsewhere where possibly similar difficulties will shortly arise. As may have been gathered from what I have already said on this subject in this report, I am quite prepared to advocate and to sustain the legitimate and hereditary rights which I conceive to be inalienably secured to the Indians, both upon grounds of abstract justice, and of formal concession by the Crown. But I am no advocate for that excess of consideration, should such anywhere exist, which would encourage the Indians, secure in the unfettered exercise of their own privileges, to dispute with their white co-citizens a share in the copious sea riches with which nature has blessed our shores. I repeat, therefore, my hope that the Superintendent of the Indian Department in Victoria, with whom I have at all times cheerfully co-operated, will be at once instructed to deal with this matter in the most effective way. If, in this matter, I may appear unduly urgent, the urgency arises, as I trust you will perceive, from the deep sense

which I entertain of its importance. No light obstacle should be allowed to impede its speedy settlement, from whatever standpoint we may regard it—whether as concerning the future welfare of the Indians themselves, the immediate care of the Indian Department, or the prospective development of the vast resources of this seaboard, the peculiar care of your own Department.

I have the honor to be, Sir,

Your most obedient servant,

ALEX. C. ANDERSON.

Inspector of Fisheries for British Columbia.

Return showing the Number and Value of Vessels, Boats, Nets, &c., in the Province of British Columbia, for the Year 1878.

| NAME OF PLACE. | NAME OF FITTER-OUT. | VESSELS. | | FISHING BOATS. | | FLAT BOATS. | | No. of Fishermen. | No. of Shoremen. | NETS AND SEINES. | | | | | | | | | | | |
|------------------------------------|-----------------------------------|----------|---------|----------------|--------|-------------|--------|-------------------|------------------|------------------|--------|---------------|--------|----------------|--------|---------------|--------|--------------|--------|--------|--------|
| | | No. | Value. | No. | Value. | No. | Value. | | | SALMON NETS. | | OOLAHAN NETS. | | SALMON SEINES. | | HERRING NETS. | | FISH SEINES. | | | |
| | | | | | | | | | | Yards. | Value. | Yards. | Value. | Yards. | Value. | Yards. | Value. | Yards. | Value. | Yards. | Value. |
| New Westminster, Fraser River..... | British Columbia Packing Co. | 30 | \$ 1350 | .. | .. | .. | .. | 100 | 130 | 30 | 9300 | 4500 | .. | .. | .. | .. | .. | .. | .. | | |
| Near Mouth of Fraser River..... | Delta Company..... | 37 | 1850 | 1 | 100 | 180 | 7000 | .. | .. | 37 | 14000 | 7000 | .. | .. | .. | .. | .. | .. | .. | | |
| New Westminster..... | English & Co..... | 27 | 810 | 2 | 400 | 108 | 250 | .. | .. | 27 | 6180 | 2700 | .. | .. | .. | .. | .. | .. | .. | | |
| do | Ewan & Wise..... | 26 | 1840 | 3 | 360 | 104 | 130 | .. | .. | 60 | 7800 | 7200 | .. | .. | .. | .. | .. | .. | .. | | |
| Near Mouth of Fraser River..... | Findlay, Durham & Brodie..... | 20 | 700 | 1 | 150 | 80 | 150 | .. | .. | 50 | 12000 | 4000 | .. | .. | .. | .. | .. | .. | .. | | |
| New Westminster..... | Holbrook & Co..... | 20 | 900 | 1 | 100 | 80 | 300 | .. | .. | 60 | 22800 | 5700 | .. | .. | .. | 1 | 400 | 200 | .. | | |
| do | Samuel Herring..... | 22 | 600 | 2 | 700 | 88 | 6 | .. | .. | 70 | 17500 | 4500 | .. | .. | .. | .. | .. | .. | .. | | |
| do | John Ibbotson..... | 5 | 200 | .. | .. | 20 | 4 | .. | .. | 8 | 1600 | 1250 | .. | .. | .. | .. | .. | .. | .. | | |
| do | Frederick Kaye..... | 5 | 165 | .. | .. | 20 | 40 | .. | .. | 12 | 600 | 960 | .. | .. | .. | .. | .. | .. | .. | | |
| do | King & Co..... | 29 | 1160 | 3 | 440 | 120 | 225 | .. | .. | 50 | 12000 | 6000 | .. | .. | .. | .. | .. | .. | .. | | |
| do | Lane, Pike & Nelson..... | 18 | 900 | 1 | 25 | 72 | 113 | .. | .. | 45 | 10800 | 6000 | .. | .. | .. | .. | .. | .. | .. | | |
| Burrard Inlet..... | Hanson & Rooster..... | 1 | 45 | .. | .. | 3 | 2 | .. | .. | .. | .. | .. | .. | .. | 1 | 80 | 50 | .. | .. | | |
| Inverness, Skeena River..... | North-Western Commercial Co..... | 1 | 504200 | 4 | 30 | 153 | 30000 | .. | .. | .. | .. | .. | .. | 4 | 420 | 250 | .. | .. | .. | | |
| Aberdeen, Skeena River..... | Windsor Canning Co..... | 13 | 468 | .. | .. | 22 | 32 | .. | .. | .. | 708 | 354 | .. | .. | .. | .. | .. | .. | .. | | |
| Nass River..... | Mr. Robertson..... | 6 | 142 | .. | .. | 8 | 4 | .. | .. | 2 | 320 | 160 | 15 | 450 | .. | .. | .. | .. | .. | | |
| Aleut Bay..... | Mr. Huson..... | 2 | 80 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | 400 | 260 | .. | .. | .. | | |
| Along the coast (estimated)..... | Various Fishermen..... | 75 | 7500 | .. | .. | 150 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 50 | 4000 | | |
| | | 370 | 6400 | 8 | 366 | 19760 | 182600 | 1596 | 604 | 145608 | 56444 | 15 | 450 | 6 | 820 | 500 | 2 | 480 | 250 | 50 | 4000 |

Return showing the Kinds, Quantities and Prices of Fish, in the Province of British Columbia, for the Year 1878.

| NAME OF STATION. | NAME OF OWNER. | Salmon, barrels. | Salmon, cans. | Salmon, Smoked, lbs. | Haddock, value. | Halibut, Fresh, value. | Herring, Smoked, barrels. | Assorted Fish, barrels. | Collahan, barrels. | No. of Seal Skins. | Herring Oil, Gallons. | Dogfish, Porpoise and other Fish Oils, Gallons. | Collahan Oil, Gallons. | Fish used as Manure, Herring, tons. | WHERE MARKETED. |
|--|--|------------------|---------------|----------------------|-----------------|------------------------|---------------------------|-------------------------|--------------------|--------------------|-----------------------|---|------------------------|-------------------------------------|---|
| New Westminster, Fraser River | British Columbia Packing Co. | 376 | 606000 | | | | | | | | | | | | London, Australia, South America, San Francisco, Canada, Victoria, B.C. |
| Near Mouth of Fraser River | Delta Company. | 250 | 792000 | | | | | | | | | | | | |
| New Westminster | English & Co. | 376 | 824000 | | | | | | | | | | | | |
| do | Ewen & Wise. | 1155 | 657600 | | | | | | | | | | | | |
| Near Mouth of Fraser River | Findlay, Durham & Brodie | 320 | 378480 | | | | | | | | | | | | |
| New Westminster | Holbrook & Co. | 300 | 576000 | | | | | | | | | | | | |
| do | Samuel Herring. | 50 | | | | | | | | | | | | | |
| do | John Ibbotson | 120 | | | | | | | | | | | | | |
| do | Frederick Kaye | 700 | | | | | | | | | | | | | |
| do | King & Co. | 335 | 651360 | | | | | | | | | | | | |
| do | Lane, Pike & Nelson | 1070 | 569440 | | | | | | | | | | | | |
| Burrard Inlet | Hanson & Roulster | | | 25 | | | | | | 2000 | | | 10 | | |
| Inverness, Skeenâ River | North-West'n Commercial Co. | 15 | 264000 | | | | | | | | | | | | |
| Aberdeen, Skeenâ River | Windsor Canning Co. | | 144000 | | | | | | | | | | | | |
| Alert Bay | Mr. Huson | 258 | 16041 | | | | | | | | | | | | |
| Nass River | Mr. Robertson | 41 | 1700 | | | | | | | | | | | | |
| Coast of British Columbia | Victoria Merchants, including Hudson Bay Co. | | | | | | | | | | | | | | |
| Export, per Custom Return | | | | | | | | | | | | | | | London, chiefly. The number includes 26000 estimated as having been sold by the Indian hunters to traders across the frontier, in Washington Territory. * Oil, chiefly to London. † Fresh Halibut, in ice, to San Francisco, per steamer. |
| Local Consumption Mills, Mines, &c. | | | | | | | | | | | | | | | |
| Per Steamers, in ice, to San Francisco, Victoria and Esquimaht | | | | | | | | | | | | | | | |
| Total Product | Several Parties. | 100 | 54655452880 | 16741 | | | 25 | 50 | 118 | 9593 | 2000 | 180516 | 1600 | 10 | |
| Total Value | | | | | \$ | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

ADD—Estimated Sales of Fresh Fish in Markets..... \$30,000 00
 do Fish Cured for private consumption 2,000 00

RECAPITULATION.

YIELD and Value of the different Fisheries in the Province of British Columbia during the Year 1878.

| Kinds of Fish. | Quantities. | Rate. | | Value. | |
|---|------------------------|-------|------|---------|------|
| | | \$ | cts. | \$ | cts. |
| Salmon, Salted | 5,485 brls. at | 8 | 00 | 43,720 | 00 |
| do Preserved in cans..... | 5,452,880 lbs. " | 0 | 13½ | 736,138 | 80 |
| do Smoked | 16,741 do " | 0 | 08 | | |
| do do not enumerated, value. 800 00 | | | | 2,139 | 28 |
| Assorted Fish, Salted | 50 brls. " | 6 | 00 | 300 | 00 |
| Herrings, Smoked | 25 do " | 10 | 00 | 1,450 | 00 |
| do do not enumerated, value. 1,200 00 | | | | | |
| Oolábans, Salted | 118 brls. " | 8 | 00 | 944 | 00 |
| Ooláhan Oil | 1,600 galls. " | 1 | 00 | 1,600 | 00 |
| Herring Oil | 2,000 do " | 0 | 50 | 1,000 | 00 |
| Dog-fish and other Oils | 150,516 do " | 0 | 40 | 60,206 | 40 |
| Seal Skins | 9,593 pieces " | 4 | 50 | 43,188 | 50 |
| Haddock, Dried, value..... | | | | 100 | 00 |
| Halibut, Fresh, in ice, per Steamers to San Francisco | | | | 3,000 | 00 |
| Fresh Fish, sold on markets .. Value | | | | 30,000 | 00 |
| Fish, Cured, for home consumption. do | | | | 2,000 | 00 |
| Total Value of the Products of the Fisheries in 1878..... | | | | 925,766 | 98 |
| do do do 1877..... | | | | 583,432 | 76 |
| Increase | | | | 342,334 | 22 |

NUMBER and Value of Vessels and Nets engaged in the different Fisheries in the Province of British Columbia, during the Year 1878.

| | |
|-------------------------------------|--------------------|
| 2 Steamers, 10 and 50 tons..... | \$ 6,400 00 |
| 1 Schooner, 10 tons..... | 200 00 |
| 366 Fishing Boats | 19,760 00 |
| 18 Flat do | 2,600 00 |
| 604 Salmon Nets, 145,608 yards..... | 56,444 00 |
| 15 Ooláhan do | 450 00 |
| 6 Salmon Seines, 820 yards..... | 500 00 |
| 2 Herring Nets, 480 do | 250 00 |
| 50 Fish Seines..... | 4,000 00 |
| | <u>\$90,604 00</u> |

1,200 Fishermen.

1,596 Shoremen.

2 Engineers.

6 Sailors.

10 Canning Establishments, value..... \$

1 Herring Oil do do

1,000 00

APPENDIX
PROVINCE OF

RETURN of the Number and Value of Vessels, Boats, Nets., &c, together with

| STATION. | VESSELS AND BOATS EMPLOYED FISHING. | | | | | | NETS, THEIR NUMBER, SIZE, | | | | | | |
|----------------------------------|-------------------------------------|-----------|-------------|----------|-----------|-------------|---------------------------|------------|-------------|-------------|-------------|------------|-------------|
| | Vessels. | | | Boats. | | | Gill Nets. | | Seines. | | Pound Nets. | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | No. | Rods. | Value. | No. | Rods. | Value. |
| <i>Lake Superior Division.</i> | | | | | | | | | | | | | |
| Fort William (Indians) | | | | | 1 | 50 | 2 | 18 | 180 | 205 | | | |
| Welcome Island | | | | | 7 | 405 | 12 | 79 | 740 | 745 | | | |
| Thunder Bay | 1 | 75 | 1000 | 3 | | | | | | | | | |
| Pays Plat | | | | | 1 | 60 | 2 | | | | 2 | | 500 |
| Naomigan | | | | | 1 | 60 | 2 | | | | 2 | | 500 |
| Black Bay | | | | | 5 | 300 | 8 | | | | 4 | | 1000 |
| *Wilson Island | | | | | | | | | | | | | |
| *Jackfish Bay | | | | | | | | | | | | | |
| Michipicoten Island | | | | | 1 | 500 | 2 | 12 | 820 | 270 | | | |
| *Lizzard Island | | | | | | | | | | | | | |
| *North Mamainse | | | | | | | | | | | | | |
| *South do | | | | | | | | | | | | | |
| Goulais Bay | | | | | 2 | 80 | 2 | 2 | 50 | 60 | | | |
| *Sault Ste. Marie's Rapids | | | | | | | | | | | | | |
| Duck Islands | | | | | 10 | 3000 | 25 | 10 | 5454 | 800 | | | |
| *Bigsby Island | | | | | | | | | | | | | |
| †Grand Sable | 1 | 8 | 2000 | 3 | 2 | 800 | 6 | | | | | | |
| Total | 2 | 83 | 3000 | 6 | 30 | 5255 | 61 | 110 | 7244 | 2080 | 8 | ... | 2000 |

* No returns of the catch in these stations. † Steamer.

NOTE.—43 Angling Permits were issued to fish in Nepigon River.

No 18.

ONTARIO.

the Yield and Value of Fish in the Province of Ontario, for the Year 1878.

| VALUE, &c. | | | | KINDS, QUALITIES, AND PRICES OF FISH. | | | | | | | | | | VALUE. | | TOTAL. | | | |
|------------|--------|-------------|--------|---------------------------------------|-----------------|----------------|-----------------|-------------------|-------------------|----------------------|----------------|----------------|--------------------|-----------------------|-------------------------------|--------|---------|--------|-----------|
| Hoop Nets. | | Scoop Nets. | | Whitefish, barrels. | Whitefish, lbs. | Whitefish, No. | Trout, barrels. | Herring, barrels. | Sciacos, barrels. | Maskinonge, barrels. | Bass, barrels. | Pike, barrels. | Pickerel, barrels. | Coarse Fish, barrels. | Total No. of barrels of Fish. | Fresh. | Picked. | Value. | |
| No. | Value. | No. | Value. | | | | | | | | | | | | | | | | |
| | \$ | | \$ | | | | | | | | | | | | | \$ | \$ | \$ | cts. |
| | | | | 30 | | | 40 | | | | | | | | 70 | | 700 | | 700 00 |
| | | | | 60 | 2000 | | 65 | | | | | | | | 135 | 100 | 1250 | | 1,350 00 |
| | | | | 225 | 7000 | | 104 | | | | | | | | 364 | 340 | 3300 | | 3,640 00 |
| | | | | 24 | | | 9 | | | | | | | | 5 | | 38 | | 355 00 |
| | | | | 68 | | | 37 | | | | | | | | 75 | | 180 | | 1,425 00 |
| | | | | 55 | | | 50 | | | | | | | | 495 | | 600 | | 3,525 00 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 175 | | | | | | | | | | 195 | | 1,950 00 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 10 | | | | | | | | 10 | 100 | | | 100 00 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | 250 | 80000 | | 525 | | | | | | | | 1175 | 4000 | 7750 | | 11,750 00 |
| | | | | 100 | 70000 | | | | | | | | | | 450 | 3500 | 1000 | | 4,500 00 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | 832 | 159000 | | 1015 | | | | | | 575 | | 3217 | 8040 | 21255 | | 29,295 00 |

RETURN of the Number and Value of

| STATION. | VESSELS AND BOATS EMPLOYED IN FISHING. | | | | | | NETS, THEIR NUMBER, SIZE, | | | | | | | | | |
|---|--|----------|--------|--------|-----|--------|---------------------------|------|-------|---------|-----|-------|-------------|------|-------|--------|
| | Vessels. | | | Boats. | | | Gill Nets. | | | Seines. | | | Pound Nets. | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | No. | Rods. | Value. | No. | Rods. | Value. | No. | Rods. | Value. |
| <i>Manitoulin Island and Lake Huron Division.</i> | | | \$ | | \$ | | | | \$ | | \$ | | \$ | | | \$ |
| Bayfield Sound and Lake Wolsey..... | | | | | 6 | 300 | 12 | 30 | 600 | 150 | | | | | | |
| *Gore Bay..... | | | | | 5 | 150 | 10 | 20 | 200 | 60 | | | | | | |
| Lake Kagawong..... | | | | | | | | | | | | | | | | |
| *Manitou Lake..... | | | | | | | | | | | | | | | | |
| †Michael's Bay..... | | | | | 2 | 120 | 4 | 10 | 100 | 30 | | | | | | |
| Providence Bay..... | | | | | 2 | 150 | 4 | 10 | 100 | 30 | | | | | | |
| East Manitoulin..... | 1 | 10 | 500 | 3 | 40 | 2500 | 80 | 500 | 10000 | 2500 | | | | | | |
| Saugeen..... | | | | | | | | | | | | | | | | |
| Southampton..... | | | | 1 | 6 | 1400 | 18 | 420 | | 4000 | | | | | | |
| ‡Sable Beach..... | | | | | 3 | 180 | 12 | | | | 4 | 3700 | | | | |
| Port Elgin..... | | | | | 1 | 200 | 3 | 60 | | 500 | | | | | | |
| Kincardine..... | | | | | 5 | 1050 | 15 | 324 | | 360 | | | | | | |
| Goderich..... | | | | | 10 | 1825 | 30 | 134 | 16060 | 6500 | | | | | | |
| Bayfield..... | | | | | 3 | 575 | 9 | 240 | 5250 | 2300 | | | | | | |
| Lake View..... | | | | | | | 86 | 155 | 2600 | 815 | | | | | | |
| Bosanquet..... | | | | | 6 | 240 | 24 | | | | 6 | 415 | 1400 | | | |
| Lake Shore..... | | | | | 13 | 385 | 35 | | | | 10 | 575 | 1375 | 4800 | | 240 |
| Point Edward..... | | | | | 4 | 60 | 8 | | | | 4 | 44 | 200 | | | |
| Sarnia Bay..... | | | | | 2 | 30 | 6 | | | | 1 | 18 | 100 | | | |
| *ndian Reserve..... | | | | | 5 | 60 | 22 | | | | 5 | 61 | 305 | | | |
| Moore..... | | | | | 3 | 32 | 12 | | | | 3 | 39 | 145 | | | |
| Total..... | 1 | 10 | 500 | 4 | 116 | 9257 | 390 | 1903 | 34910 | 17245 | 33 | 4852 | 3525 | 4800 | | 240 |

*No fishing. †Indians. ‡Hooks on trout lines.

Vessels, Boats, Nets, &c.—Ontario—Continued.

| VALUE, &c. | | | | KINDS AND QUANTITIES OF FISH. | | | | | | | | | | VALUE. | | TOTAL. | | | |
|------------|--------|-------------|--------|-------------------------------|-----------------|----------------|-----------------|--------------------|-------------------|----------------------|----------------|----------------|---------------------|-----------------------|-------------------------------|--------|----------|--------|------|
| Hoop Nets. | | Scoop Nets. | | Whitefish, barrels. | Whitefish, lbs. | Whitefish, No. | Trout, barrels. | Herrings, barrels. | Sciacos, barrels. | Maskinonge, barrels. | Bass, barrels. | Pike, barrels. | Pickereel, barrels. | Coarse Fish, barrels. | Total No. of barrels of Fish. | Fresh. | Pickled. | Value. | |
| No. | Value. | No. | Value. | | | | | | | | | | | | | | | | |
| | \$ | | \$ | | | | | | | | | | | | | \$ | \$ | \$ | cts. |
| | | | | 40 | | | 35 | | | | | | | | 75 | 350 | 400 | 75 | 00 |
| | | | | 15 | | | | | | | | | | | 15 | 150 | | 150 | 00 |
| | | | | 50 | | | 50 | | | | | | | | 100 | 500 | 500 | 1,000 | 00 |
| | | | | 7 | | | 8 | | | | | | | | 15 | 75 | 75 | 150 | 00 |
| | | | | 225 | | 3000 | 200 | | | | | | | | 455 | 90 | 4460 | 4,550 | 00 |
| | | | | | | | 500 | | | | | | | | 500 | 5000 | | 5,000 | 00 |
| | | | | | | 160000 | 47 | | | | | | | | 1647 | 16000 | 470 | 16,470 | 00 |
| | | | | | | | | 115 | | | | | | | 115 | | 575 | 575 | 00 |
| | | | | | | 16000 | 4 | | | | | | | | 164 | 1600 | 40 | 1,640 | 00 |
| | | | | | | 145000 | | 80 | | | | | | | 1530 | 14500 | 400 | 14,900 | 00 |
| | | | | | 231000 | | 705 | | | | | | | | 1860 | 11550 | 7050 | 18,600 | 00 |
| | | | | | 87000 | | 215 | 89 | | | | | | | 739 | 4350 | 2595 | 6,945 | 00 |
| | | | | | | | 10 | 294 | | | | | | | 304 | | 1570 | 1,570 | 00 |
| | | | | | 42400 | | | 148 | | | | | | | 579 | 2120 | 1835 | 3,955 | 00 |
| | | | | | 1200 | | 67 | 542 | | | | | | | 870 | 1602 | 3031 | 4,633 | 00 |
| | | | | | | | | 780 | | | | | | | 972 | 1240 | 3615 | 4,855 | 00 |
| | | | | | | | | 230 | | | | | | | 265 | 510 | 807 | 1,317 | 00 |
| | | | | | | | | 688 | | | | | | | 728 | 300 | 3340 | 3,640 | 00 |
| | | | | | | | | 296 | | | | | | | 296 | 60 | 1420 | 1,480 | 00 |
| | | | | 339 | 361800 | 324000 | 1841 | 3262 | | | 64 | 2 | 568 | 105 | 11229 | 59997 | 32183 | 92,180 | 00 |

RETURN of the Number and Value of Vessels,

| STATION. | VESSELS AND BOATS EMPLOYED FISHING. | | | | | | NETS, THEIR NUMBER, SIZE, | | | | | | | | | |
|--|-------------------------------------|----------|--------|--------|-----|--------|---------------------------|-----|-------|---------|-----|-------|-------------|-----|-------|--------|
| | Vessels. | | | Boats. | | | Gill Nets. | | | Seines. | | | Pound Nets. | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | No. | Rods. | Value. | No. | Rods. | Value. | No. | Rods. | Value. |
| <i>Georgian Bay Division.</i> | | | \$ | | \$ | | | | \$ | | \$ | | \$ | | | \$ |
| Byng Inlet..... | | | | | 4 | 600 | 8 | 25 | 2500 | 875 | | | | | | |
| Point Burrell..... | *1 | 15 | 1500 | 4 | 12 | 1200 | 26 | 144 | 14408 | 5040 | | | | | | |
| Mackay's Island..... | 1 | 30 | 400 | 2 | 4 | 320 | 13 | 80 | 960 | 400 | | | | | | |
| Mink Island..... | | | | | 2 | 110 | 5 | 20 | 680 | 250 | | | | | | |
| Sandy Island..... | | | | | 1 | 25 | 2 | 3 | 300 | 105 | | | | | | |
| From Byng Inlet to Sandy Island (local consumption). | | | | | | | | | | | | | | | | |
| Midland Station and Penetanguishene—from Point Cockburn to Moose Deer Point..... | | | | | 24 | 657 | 62 | 241 | 3738 | 774 | | | | | | |
| Collingwood..... | | | | | 9 | 1350 | 18 | 156 | 14080 | 5460 | | | | | | |
| Thornbury..... | | | | | 1 | 50 | 2 | 7 | 636 | 245 | | | | | | |
| Meaford..... | *1 | 10 | 400 | 4 | 5 | 750 | 10 | 106 | 9636 | 2710 | | | | | | |
| Point Rich..... | | | | | 3 | 450 | 6 | 50 | 4508 | 1750 | | | | | | |
| Laura's Bay..... | | | | | 2 | 300 | 4 | 32 | 2908 | 1120 | | | | | | |
| Killarney..... | | | | | 4 | 430 | 8 | 33 | 3090 | 1158 | | | | | | |
| Owen Sound..... | | | | | 4 | 330 | 8 | 10 | 1150 | 530 | | | | | | |
| Colpoys's Bay..... | | | | | 2 | 95 | 3 | 4 | 270 | 210 | | | | | | |
| Vail's Point..... | | | | | 3 | 145 | 5 | 6 | 405 | 295 | | | | | | |
| Lion's Head..... | | | | | 1 | 135 | 4 | 7 | 200 | 205 | | | | | | |
| Total..... | 3 | 55 | 2300 | 10 | 91 | 6947 | 184 | 924 | 59431 | 21124 | | | | | | |

*Tug.

Boats, Nets, &c.—Ontario—Continued.

| VALUE, &c. | | | | KINDS, QUANTITIES AND PRICES OF FISH. | | | | | | | | | | | VALUE. | | TOTAL. | |
|------------|------------|-------|--------|---------------------------------------|-----------------|----------------|-----------------|-------------------|-------------------|----------------------|----------------|----------------|--------------------|-----------------------|-----------------------|--------|----------|--------|
| No. | Hoop Nets. | No. | Value. | Whitefish, barrels. | Whitefish, lbs. | Whitefish, No. | Trout, barrels. | Herring, barrels. | Sciscos, barrels. | Maakinonge, barrels. | Bass, barrels. | Pike, barrels. | Pickere!, barrels. | Coarse Fish, barrels. | Total No. of barrels. | Fresh. | Pickled. | Value. |
| | No. | | | | | | | | | | | | | | | | | |
| | | | | 60 | ..... | 22000 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 295 | 2200 | 750 | 2950 |
| | | | | 3 | ..... | 91400 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 917 | 9140 | 30 | 9170 |
| | | | | 100 | ..... | ..... | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 110 | ..... | 1100 | 1100 |
| | | | | 70 | ..... | ..... | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 75 | ..... | 750 | 750 |
| | | | | 16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 16 | ..... | 160 | 160 |
| | | | | | 100000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 500 | 5000 | ..... | 5000 |
| 16 | 240 | ..... | ..... | 48 | ..... | ..... | 9 | 142 | ..... | ..... | ..... | ..... | 43 | ..... | 242 | ..... | 1495 | 1495 |
| | | | | | | 51600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 516 | 5160 | ..... | 5160 |
| | | | | | | 1800 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18 | 180 | ..... | 180 |
| | | | | | | 86600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 866 | 8660 | ..... | 8660 |
| | | | | | | 40400 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 404 | 4040 | ..... | 4040 |
| | | | | | | 29400 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 294 | 2940 | ..... | 2940 |
| | | | | | | 18400 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 184 | 1840 | ..... | 1840 |
| | | | | 180 | ..... | ..... | 260 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | 4 | 454 | ..... | 4470 |
| | | | | 8 | ..... | ..... | 55 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | 2 | 85 | ..... | 740 |
| | | | | 4 | ..... | ..... | 90 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | 5 | 103 | ..... | 985 |
| | | | | 15 | ..... | ..... | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4 | 94 | ..... | 920 |
| 16 | 240 | ..... | ..... | 504 | 100000 | 341600 | 519 | 176 | ..... | ..... | ..... | ..... | 58 | ..... | 5173 | 39160 | 11400 | 50580 |

RETURN of the Number and Value of Vessels,

| STATIONS. | VESSELS AND BOATS EMPLOYED FISHING. | | | | | | NETS, THEIR NUMBER, SIZE, | | | | | | | | |
|---|-------------------------------------|----------|--------|--------|-----|--------|---------------------------|-----|---------|--------|-------------|-------|--------|----|-------|
| | Vessels. | | | Boats. | | | Gill Nets. | | Seines. | | Pound Nets. | | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | No. | Rods. | Value. | No. | Rods. | Value. | | |
| <i>Thames River and Lake St. Clair Division.</i> | | | | | | | | | | | | | | | |
| | | \$ | | | \$ | | | | | \$ | | | \$ | | |
| Mitchell's Bay..... | 4 | | 41 | 12 | | | | | | 4 | 158 | 380 | | | |
| Little Lake..... | 1 | | 10 | 3 | | | | | | 1 | 34 | 130 | | | |
| Dawn Mills, Sydenham River..... | 1 | | 10 | 4 | | | | | | 1 | 15 | 36 | | | |
| Thames River, Lake St. Clair..... | 12 | | 118 | 42 | | | | | | 8 | 84 | 380 | | | |
| †Lake St. Clair..... | | | | | | | | | | | | | | | |
| Total..... | 18 | | 179 | 61 | | | | | | 14 | 291 | 926 | | | |
| <i>Detroit River Division.</i> | | | | | | | | | | | | | | | |
| Detroit River..... | 8 | | 205 | 39 | | | | | | 7 | 170 | 990 | | | |
| Turkey Island, D.R..... | 2 | | 50 | 14 | | | | | | 4 | 200 | 800 | | | |
| Turkey Creek..... | 1 | | 5 | 2 | | | | | | 1 | 10 | 30 | | | |
| Bois Blanc Island, D.R..... | 2 | | 70 | 18 | | | | | | 3 | 60 | 300 | | | |
| Fighting Island, do..... | 16 | | 320 | 77 | | | | | | 16 | 350 | 2400 | | | |
| Peach Point, do..... | 12 | | 275 | 61 | | | | | | 10 | 323 | 1890 | | | |
| River aux Canards..... | 1 | | 85 | 2 | | | | | | 1 | 10 | 25 | | | |
| Total..... | 42 | | 930 | 213 | | | | | | 42 | 1139 | 6435 | | | |
| <i>Lake Erie Division.</i> | | | | | | | | | | | | | | | |
| Point Pelee..... | | | 20 | 1310 | 42 | | | | | | | 16 | 4205 | | |
| Point Pelee Island..... | | | 4 | 420 | 8 | | | | | | | 4 | 1540 | | |
| Rondeau..... | | | 11 | 453 | 20 | | | | | | | 9 | 2800 | | |
| Port Stanley..... | | | 1 | 70 | 2 | | | | | | | 1 | 350 | | |
| Port Bruce..... | | | 2 | 35 | 6 | | | | | 1 | 40 | 80 | 300 | | |
| Port Burwell..... | | | 1 | 10 | 2 | | | | | 1 | 20 | 60 | | | |
| Turkey Point..... | | | 5 | 70 | 18 | | | | | 5 | 88 | 455 | | | |
| Port Dover..... | | | 2 | 200 | 11 | | | | | | | 4 | 2400 | | |
| Nanticoke..... | | | 1 | 100 | 4 | | | | | | | 2 | 1200 | | |
| Selkirk..... | | | 1 | 14 | 3 | 1 | 250 | 200 | | | | | | | |
| Rainham Centre..... | | | 1 | 28 | 2 | 1 | 40 | 50 | | | | | | | |
| Rainham..... | | | 1 | 15 | 2 | 1 | 30 | 40 | | | | | | | |
| Grand River, Sulphur Creek, Dunnville, Haldimand and Port Maitland..... | 1 | 10 | 250 | 4 | 11 | 195 | 26 | 2 | 16 | 100 | 8 | 120 | 350 | 4 | 1000 |
| Moulton Bay, Low Banks..... | | | | 1 | 20 | 3 | | | | | 1 | 30 | 90 | | |
| Olo Fort Erie, L.E. (hooks & lines)..... | | | | 13 | 390 | 13 | | | | | | | | | |
| Grand River Division (angling)..... | | | | | | | | | | | | | | | |
| Total..... | 1 | 10 | 250 | 4 | 75 | 3330 | 162 | 5 | 336 | 390 | 16 | 298 | 1035 | 41 | 13795 |

*Dip Nets.

†Spearing.

Boats, Nets, &c.—Ontario—Continued.

| VALUE, &c. | | | | KINDS, QUANTITIES AND PRICES OF FISH. | | | | | | | | | | VALUE. | | TOTAL. | | |
|------------|--------|-------------|--------|---------------------------------------|-----------------|----------------|-----------------|-------------------|------------------|----------------------|----------------|----------------|---------------------|-----------------------|----------------------------------|-----------|----------|-----------|
| Hoop Nets. | | Scoop Nets. | | Whitefish, barrels. | Whitefish, lbs. | Whitefish, No. | Trout, barrels. | Herring, barrels. | Seasoo, barrels. | Maskinonge, barrels. | Bass, barrels. | Pike, barrels. | Pickereel, barrels. | Coarse Fish, barrels. | Total Number of barrels of Fish. | Fresh. | Pickled. | Value. |
| No. | Value. | No. | Value. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $ | cts. |
| | | | | | | | | | | | 91 | 16 | 5 | 60 | 172 | 800 00 | | 800 00 |
| | | | | | | | | | | | 45 | 6 | | 8 | 59 | 287 00 | | 287 00 |
| | | | | | | | | | | | 1 | | 3 | 25 | 29 | 120 00 | | 120 00 |
| | | 9 | 31 | 235 | | | 135 | 378 | | | 52 | 9 | 283 | 465 | 1557 | 9,170 00 | | 9,170 00 |
| | | | | | | | | | | | 44 | 33 | 125 | 95 | 297 | 1,390 00 | | 1,390 00 |
| | | 9 | 31 | 235 | | | 135 | 378 | | | 233 | 64 | 416 | 653 | 2114 | 11,767 00 | | 11,767 00 |
| | | | | | | 1300 | | 3 | 9 | 14 | 17 | 48 | 215 | 319 | 1,445 00 | | | 1,445 00 |
| | | | | | | 300 | | | | | | 1 | 1 | 5 | 39 00 | | | 39 00 |
| | | | | | | | | | | | 1 | 2 | 1 | 3 | 32 00 | | | 32 00 |
| | | | | | | 9000 | | | | | | 1 | | 91 | 905 00 | | | 905 00 |
| | | | | | | 20000 | | 600 | | | 10 | 10 | 25 | 845 | 5,200 00 | | | 5,200 00 |
| | | | | | | 15200 | | 20 | 1 | | 8 | 34 | 189 | 404 | 2,591 00 | | | 2,591 00 |
| | | | | | | | | | | | 2 | 1 | 3 | 6 | 27 00 | | | 27 00 |
| | | | | | | 45800 | | 623 | 10 | 15 | 39 | 96 | 436 | 1677 | 10,239 00 | | | 10,239 00 |
| | | | | 127 | 88800 | | | 201 | | 355 | | 320 | 373 | 1820 | 11,582 00 | | | 11,582 00 |
| | | | | 78 | 15600 | | | 239 | | 84 | | | 77 | 554 | 3,463 00 | | | 3,463 00 |
| | | | | 46 | | 2600 | | 1073 | | 79 | | 266 | 199 | 1689 | 8,606 00 | | | 8,606 00 |
| | | | | | 2200 | | | | | | | | 57 | 68 | 338 00 | | | 338 00 |
| | | | | | 5800 | | | | | | | | 109 | 138 | 726 00 | | | 726 00 |
| | | | | | | | | | | | | | 14 | 14 | 56 00 | | | 56 00 |
| | | | | | 2000 | | | 37 | | | | 35 | 32 | 114 | 588 00 | | | 588 00 |
| | | | | | 8200 | | | 1191 | | | | 151 | 375 | 1758 | 8,620 00 | | | 8,620 00 |
| | | | | | 3000 | | | 200 | | | | 75 | 85 | 375 | 1,865 00 | | | 1,865 00 |
| | | | | | 400 | | | | | | | | | 2 | 20 00 | | | 20 00 |
| | | | | | 200 | | | | | | | | | 1 | 10 00 | | | 10 00 |
| | | | | | 200 | | | | | | | | | 1 | 10 00 | | | 10 00 |
| | | 6 | 12 | | | 400 | | 140 | 1 | 3 | 33 | 55 | 55 | 99 | 390 | 1,871 00 | | 1,871 00 |
| | | | | | | 200 | | 5 | | | 3 | 4 | 4 | 6 | 24 | 124 00 | | 124 00 |
| | | | | | | | | | | | 15 | | 70 | 60 | 145 | 665 00 | | 665 00 |
| | | | | | | | | | | | 4 | 6 | 8 | 10 | 29 | 135 00 | | 135 00 |
| | | 6 | 12 | 249 | 126400 | 3200 | | 3086 | 1 | 4 | 573 | 65 | 984 | 1496 | 7122 | 38,679 00 | | 38,679 00 |

RETURN of the Number and Value of Vessels,

| DIVISION. | VESSELS AND BOATS EMPLOYED FISHING. | | | | | | NETS, THEIR NUMBER, SIZE. | | | | | | | | | |
|---|-------------------------------------|----------|--------|--------|-----|--------|---------------------------|-----|-------|---------|-----|-------|-------------|-----|-------|--------|
| | Vessels. | | | Boats. | | | Gill Nets. | | | Seines. | | | Pound Nets. | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | No. | Rods. | Value. | No. | Rods. | Value. | No. | Rods. | Value. |
| <i>Niagara River and Lake Ontario Division.</i> | | | \$ | | \$ | | | | \$ | | | | | | | \$ |
| *Fort Erie, Niagara River..... | | | | | 2 | 60 | 4 | | | | | 2 | 50 | 150 | | |
| Bertie, North River | | | | | 2 | 40 | 4 | | | | | 2 | 40 | 150 | | |
| *Willoughby, N.R..... | | | | | 1 | 20 | 20 | | | | | 1 | 20 | 70 | | |
| *Navy Island..... | | | | | 1 | 20 | 20 | | | | | 1 | 20 | 70 | | |
| Queenstown, North River..... | | | | | 4 | 45 | 10 | | | | | 1 | 90 | 150 | †3 | 550 |
| Tannery, N. River | | | | | 2 | 40 | 8 | | | | | 8 | 180 | 240 | | |
| Niagara and River | | | | | 8 | 305 | 10 | 12 | 2500 | 850 | 4 | 150 | 350 | | | |
| Two Mile Creek..... | | | | | 2 | 100 | 4 | 5 | 700 | 550 | 1 | 75 | 100 | | | |
| Ten Mile Creek..... | | | | | 2 | 50 | 3 | 1 | 80 | 100 | 1 | 15 | 30 | | | |
| Port Dalhousie..... | | | | | 1 | 120 | 2 | 5 | 1050 | 560 | 1 | 50 | 100 | | | |
| Sixteen Mile Creek..... | | | | | 2 | 180 | 2 | 2 | 200 | 100 | | | | | | |
| Twenty Mile Creek..... | | | | | 2 | 120 | 4 | 2 | 270 | 110 | 1 | 50 | 200 | | | |
| Clinton..... | | | | | 1 | 40 | 2 | 1 | 130 | 50 | | | | | | |
| Thirty Mile Creek | | | | | 1 | 40 | 2 | 2 | 130 | 100 | | | | | | |
| Grimsbay | | | | | 8 | 205 | 4 | 8 | 1320 | 460 | | | | | | |
| Winona..... | | | | | 1 | 75 | 2 | 7 | 1200 | 400 | | | | | | |
| Burlington Bay and Beach..... | | | | | 41 | 1940 | 49 | 42 | 4198 | 2230 | 15 | 1017 | 2380 | | | |
| ‡Burlington Bay and Dundas Marsh..... | | | | | 50 | 250 | 96 | | | | | | | | | |
| ¶From Burlington Bay to the Humber..... | | | | | | | | | | | | | | | | |
| Bronte..... | | | | | 3 | 230 | 9 | 12 | 1269 | 640 | | | | | | |
| Port Credit..... | | | | | 1 | 30 | 2 | 2 | 60 | 100 | 1 | 50 | 100 | | | |
| The Humber..... | | | | | 2 | 50 | 2 | 4 | 140 | 110 | 1 | 25 | 100 | | | |
| Toronto Island..... | | | | | 4 | 250 | 8 | 12 | 1890 | 925 | 4 | 200 | 860 | | | |
| Ashbridge's Bay..... | | | | | 2 | 80 | 3 | 6 | 690 | 200 | | | | | | |
| Leslieville..... | | | | | 5 | 430 | 7 | 24 | 3236 | 1100 | | | | | | |
| Gates Gully..... | | | | | 1 | 40 | 3 | 6 | 360 | 200 | 1 | 30 | 80 | | | |
| The Rouge..... | | | | | 1 | 30 | 3 | | | | 1 | 30 | 80 | | | |
| Frenchman's Bay | | | | | 6 | 200 | 12 | 13 | 1150 | 480 | 1 | 40 | 100 | | | |
| Whitby..... | | | | | 3 | 45 | 5 | 5 | 60 | 50 | 2 | 35 | 90 | | | |
| Brighton and Presqu'ile Bay..... | | | | | 7 | 620 | 20 | 6 | 6000 | 1080 | 1 | 80 | 100 | | | |
| Colborne..... | | | | | 2 | 120 | 5 | 2 | 1200 | 116 | | | | | | |
| Cobourg..... | | | | | 8 | 660 | 16 | 16 | 4800 | 1648 | | | | | | |
| Port Hope..... | | | | | 3 | 145 | 4 | 2 | 1600 | 288 | 1 | 20 | 25 | | | |
| do Britain..... | | | | | 2 | 20 | 4 | | | | 2 | 40 | 50 | | | |
| do Granby..... | | | | | 1 | 10 | 2 | | | | 1 | 20 | 25 | | | |
| Newcastle..... | | | | | 1 | 10 | 2 | | | | 1 | 20 | 25 | | | |
| Bowmanville..... | | | | | 5 | 115 | 9 | 3 | 400 | 62 | 2 | 40 | 50 | | | |
| Oshawa..... | | | | | 1 | 10 | 2 | | | | 1 | 20 | 25 | | | |
| | | | | | 189 | 6745 | 365 | 200 | 34633 | 12509 | 58 | 2407 | 5700 | 3 | | 550 |

* Did not fish. † Machines. ‡ Spearing. ¶ Angling for domestic use.

Boats, Nets, &c.—Ontario—Continued.

| VALUE, &c. | | | | KINDS, QUANTITIES AND PRICES OF FISH. | | | | | | | | | | VALUE. | | TOTAL. | | |
|------------|--------|-------------|--------|---------------------------------------|-----------------|----------------|-----------------|-------------------|-------------------|----------------------|----------------|----------------|--------------------|-----------------------|-------------------------------|--------|----------|-----------|
| Hoop Nets. | | Scoop Nets. | | Whitefish, barrels. | Whitefish, lbs. | Whitefish, No. | Trout, barrels. | Herring, barrels. | Sciscos, barrels. | Maskinonge, barrels. | Bass, barrels. | Pike, barrels. | Pickarel, barrels. | Coarse Fish, barrels. | Total No. of barrels of Fish. | Fresh. | Pickled. | Value. |
| No. | Value. | No. | Value. | | | | | | | | | | | | | | | |
| | \$ | | \$ | | | | | | | | | | | | | \$ | \$ | \$ |
| | | | | | | | | 6 | | | 5 | | 10 | 6 | 27 | 129 | | 129 00 |
| | | | | | | | | 83 | | | 27 | | 13 | 14 | 137 | 671 | | 671 00 |
| | | | | | | | | 19 | | | 3 | | 35 | 5 | 62 | 305 | | 305 00 |
| | | | | 41 | | | | 70 | 10 | | 4 | | 42 | 21 | 188 | 1124 | | 1,124 00 |
| | | | | 20 | | | | 8 | 8 | | | | 10 | 8 | 54 | 362 | | 362 00 |
| | | | | | | | | 12 | | | | | 4 | 20 | 36 | 160 | | 160 00 |
| | | | | 9 | | | | 8 | 8 | | | | 6 | 10 | 41 | 240 | | 240 00 |
| | | | | 8 | | | | 2 | 3 | | | | | | 13 | 105 | | 105 00 |
| | | | | 3 | | | | 3 | | | 10 | 20 | | 12 | 48 | 243 | | 243 00 |
| | | | | 3 | | | | 2 | 4 | | | | | 19 | 28 | 136 | | 136 00 |
| | | | | 3 | | | | 2 | 7 | | | | | 1 | 13 | 79 | | 79 00 |
| | | | | 35 | | | 40 | 10 | 28 | | | | | | 103 | 890 | | 890 00 |
| | | | | 30 | | | 21 | 10 | 25 | | | | | 4 | 90 | 701 | | 701 00 |
| | | | | | | | 27 | 172 | 377 | | 12 | 73 | | 40 | 701 | 3600 | | 3,600 00 |
| | | | | | | | | 40 | | | 60 | 60 | | | 160 | 800 | | 800 00 |
| | | | | | | | | | | | 34 | 50 | | 20 | 104 | 500 | | 500 00 |
| | | | | 7 | | | 5 | | 240 | | | | | 4 | 256 | 1336 | | 1,336 00 |
| | | | | 12 | | | | 15 | | | | 10 | | 27 | 64 | 353 | | 353 00 |
| | | | | | | | | 10 | | | | 20 | | 12 | 42 | 198 | | 198 00 |
| | | | | 66 | | | 40 | 26 | 50 | | 9 | 45 | | 60 | 296 | 1950 | | 1,950 00 |
| | | | | | | | | | | | 4 | 25 | | 5 | 34 | 165 | | 165 00 |
| | | | | 18 | | | 6 | 15 | | | 9 | 32 | | 10 | 90 | 560 | | 560 00 |
| | | | | 13 | | | 12 | 8 | | | | | | | 33 | 290 | | 290 00 |
| | | | | 2 | | | | | | | | | | 5 | 7 | 40 | | 40 00 |
| | | | | 54 | | | 48 | 12 | 10 | | | | | 23 | 147 | 1222 | | 1,222 00 |
| | | | | | | | | 6 | | | | 14 | | 9 | 29 | 136 | | 136 00 |
| | | | | | | | 1000 | | | 500 | 500 | | | 500 | 2500 | 17000 | | 17,000 00 |
| | | | | 351 | | | 1172 | 529 | 770 | 500 | 677 | 345 | 120 | 335 | 5303 | 33295 | | 33,295 00 |

RETURN of the Number and Value of

| STATION. | VESSELS AND BOATS EMPLOYED FISHING. | | | | | | NETS, THEIR NUMBER, SIZE, | | | | | | | | | |
|--|-------------------------------------|----------|-------------|----------|------------|-------------|---------------------------|------------|--------------|-------------|-------------|-------------|-------------|-----|-------|--------|
| | Vessels. | | | Boats. | | | Gill Nets. | | Seines. | | Pound Nets. | | | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | No. | Rods. | Value. | No. | Rods. | Value. | No. | Rods. | Value. |
| <i>Prince Edward County and Bay of Quinté Divisions.</i> | | | \$ | | \$ | | | \$ | | \$ | | | \$ | | | \$ |
| Weller's Beach, P.E. Co..... | 8 | 265 | | 32 | | | | | | | 8 | 310 | 276 | | | |
| Spencer Station do | 4 | 100 | | 7 | 4 | 700 | 105 | | | | | | | | | |
| Wellington Beach do | 8 | 260 | | 48 | | | | | | | 8 | 400 | 400 | | | |
| East Lake and Beach, P.E. Co | 5 | 125 | | 28 | | | | | | | 3 | 269 | 700 | | | |
| Salmon Point, P.E. Co..... | 6 | 150 | | 12 | 382 | 7640 | 1528 | | | | | | | | | |
| Atkins' Point do | 3 | 50 | | 7 | 113 | 2260 | 452 | | | | | | | | | |
| Point Peter do | 3 | 70 | | 7 | 61 | 1340 | 268 | | | | | | | | | |
| From Point Peter to Petticoat Point, P.E. Co..... | 8 | 171 | | 21 | 73 | 2495 | 335 | | | | | | | | | |
| From Petticoat Point to Point Traverse, P.E. Co..... | 19 | 593 | | 40 | 35 | 8058 | 1602 | | | 1 | 25 | 50 | | | | |
| Gull Island, P.E. Co | 2 | 80 | | 4 | 6 | 1400 | 280 | | | | | | | | | |
| False Duck's Island, P.E. Co | 4 | 180 | | 7 | 12 | 2900 | 580 | | | 1 | 20 | 60 | | | | |
| Main do do | 2 | 82100 | 5 | 9 | 360 | 18 | 24 | 12000 | 2100 | | | | | | | |
| Smith's Bay, P.E. Co..... | | | | | | | | | | | | | | | | |
| Green's Island do | 2 | 40 | | 6 | 20 | 400 | 44 | | | | | | | | | |
| Point Peasant (Bay and Lake sides) P.E. Co..... | | | | 10 | 155 | 22 | 91 | 1820 | 245 | | | | | | | |
| Sophiasburg, P.E. Co..... | 5 | 250 | | 30 | | | | | | 2 | 120 | 400 | | | | |
| Big Bay do | 3 | 150 | | 18 | 3 | 280 | 280 | | | | | | | | | |
| Misquito Bay do | 3 | 350 | | 12 | | | | | | | | | | | | |
| Ameliasburg do | 6 | 300 | | 36 | | | | | | 6 | 360 | 1200 | | | | |
| Sidney, Bay of Quinté..... | 3 | 150 | | 18 | | | | | | 3 | 180 | 600 | | | | |
| Negro Island do | 2 | 100 | | 12 | | | | | | 2 | 120 | 400 | | | | |
| Cedar do do | 1 | 50 | | 6 | | | | | | 1 | 60 | 200 | | | | |
| Zuick do do | 1 | 50 | | 6 | | | | | | 1 | 60 | 200 | | | | |
| Mud Creek do do | 1 | 50 | | 6 | | | | | | | | | | | | |
| Point Ann do | 5 | 250 | | 30 | 2 | 200 | 200 | | | 2 | 120 | 400 | | | | |
| Tyendinaga do | 8 | 400 | | 48 | 1 | 100 | 100 | | | 6 | 360 | 1200 | | | | |
| Winter fishing in Bay of Quinté..... | | | | | | | | | | | | | | | | |
| Total | 2 | 8 | 2100 | 5 | 129 | 4701 | 481 | 827 | 41593 | 8119 | 44 | 2404 | 6086 | | | |

Vessels, Boats, Nets, &c.—Ontario—Continued.

| VALUE, &c. | | | | KINDS, QUANTITIES AND PRICES OF FISH. | | | | | | | | | | VALUE. | | TOTAL. | | | |
|------------|--------|-------------|--------|---------------------------------------|-----------------|----------------|-----------------|--------------------|-------------------|----------------------|----------------|----------------|-------------------|-----------------------|-------------------------------|--------|----------|--------|-----------|
| Hoop Nets. | | Scoop Nets. | | Whitefish, barrels. | Whitefish, lbs. | Whitefish, No. | Trout, barrels. | Herrings, barrels. | Scisgos, barrels. | Maskinonge, barrels. | Bass, barrels. | Pike, barrels. | Pickrel, barrels. | Coarse Fish, barrels. | Total No. of barrels of Fish. | Fresh. | Pickled. | Value. | |
| No. | Value. | No. | Value. | | | | | | | | | | | | | \$ | \$ | \$ | cts. |
| | | | | 31 | | | 70 | | | | | | | | 70 | 700 | | | 700 00 |
| | | | | 133400 | | | 75 | | | | | | | | 31 | 310 | | | 310 00 |
| 4 | 40 | | | 7000 | | | | | | | | | | | 742 | 7420 | | | 7,420 00 |
| | | | | 37 16400 | | | 95 | | | | | 9 | | | 44 | 395 | | | 395 00 |
| | | | | 5 5600 | | | 20 | | | | | | | | 214 | 654 | 1486 | | 2,140 00 |
| | | | | 50 | | | | | | | | | | | 53 | 220 | 310 | | 530 00 |
| | | | | | | | | | | | | | | | 50 | 500 | | | 500 00 |
| | | | | | 20800 | | | | | | | | | | 104 | 1040 | | | 1,040 00 |
| | | | | 358 | 74600 | | | 2 | | | | | | | 733 | 6620 | 700 | | 7,320 00 |
| | | | | 131 | 26000 | | | | | | | | | | 261 | 2610 | | | 2,610 00 |
| | | | | 75 | 15000 | | 79 | | | | | | | | 229 | 1390 | 900 | | 2,290 00 |
| 15 | 105 | | | 170 | 67600 | | 168 | | | | | | | | 676 | 3260 | 3500 | | 6,760 00 |
| | | | | | 4000 | | 30 | | | | | | | | 150 | 600 | | | 600 00 |
| | | | | | | | | | | | | | | | 60 | 550 | | | 550 00 |
| | | | | | 41000 | | 50 | | | | 20 | | | | 316 | 2855 | | | 2,855 00 |
| 14 | 700 | | | 35 | | | | 60 | | | | | | | 282 | 377 | 1778 | | 1,778 00 |
| 17 | 850 | | | 19 | | | | 192 | | | | | | | 184 | 395 | 1886 | | 1,886 00 |
| | | | | | | | | | | | | | | | 375 | 375 | 1500 | | 1,500 00 |
| | | | | 191 | | | | 73 | | | | | | | 49 | 313 | 2471 | | 2,471 00 |
| | | | | 82 | | | | 62 | | | | | | | 42 | 186 | 1298 | | 1,298 00 |
| | | | | 40 | | | | 20 | | | | | | | 22 | 82 | 588 | | 588 00 |
| | | | | 10 | | | | 5 | | | | | | | 5 | 20 | 145 | | 145 00 |
| | | | | 40 | | | | 50 | | | | | | | 15 | 105 | 710 | | 710 00 |
| 4 | 200 | | | | | | | | | | | | | | 50 | 50 | 200 | | 200 00 |
| 2 | 100 | | | | | | | | | | | | | | 130 | 261 | 1470 | | 1,470 00 |
| 4 | 200 | | | 59 | | | | 72 | | | | | | | 100 | 309 | 1955 | | 1,955 00 |
| | | | | 102 | | | | 107 | | | | | | | 1250 | 1250 | 5000 | | 5,000 00 |
| 60 | 2195 | | | 1435 | 411400 | | 587 | 643 | | | 20 | 9 | 51 | 2654 | 7456 | 48125 | 6896 | | 55,021 00 |

RETURN of the Number and Value of Vessels,

| STATION. | VESSELS AND BOATS EMPLOYED FISHING. | | | | | | NETS, THEIR NUMBER, SIZE, | | | | | | | | | |
|---|-------------------------------------|----------|--------|--------|-----|--------|---------------------------|-----|---------|--------|-----------------------------|-------|--------|-----|-------|--------|
| | Vessels. | | | Boats. | | | Gill Nets. | | Seines. | | Pound Nets. | | | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | No. | Rods. | Value. | No. | Rods. | Value. | No. | Rods. | Value. |
| <i>Lennox and Addington Counties Division.</i> | | | | | | | | | | | | | | | | |
| Varty..... | | | | | 1 | 10 | 2 | 1 | 20 | 5 | | | | | | |
| Napanee River..... | | | | | 1 | 10 | 2 | 1 | 16 | 15 | | | | | | |
| Hay Bay..... | | | | | 2 | 20 | 5 | 2 | 100 | 24 | | | | | | |
| Adolphustown..... | | | | | 1 | 15 | 2 | 3 | 200 | 50 | | | | | | |
| Total..... | | | | | 5 | 55 | 11 | 7 | 336 | 94 | | | | | | |
| <i>Kingston Division.</i> | | | | | | | | | | | | | | | | |
| Rideau Canal and Lakes..... | | | | | 8 | 30 | 11 | 7 | 120 | 28 | | | | | | |
| Cranberry Lake..... | | | | | 1 | 25 | 2 | | | | | | | | | |
| Openicon Lake..... | | | | | 1 | 20 | 2 | | | | | | | | | |
| Amherst Island..... | | | | | 2 | 110 | 4 | 20 | 200 | 80 | | | | | | |
| Bayfield Bay..... | | | | | 1 | 25 | 1 | 10 | 100 | 30 | | | | | | |
| Pigeon Island..... | | | | | 2 | 160 | 5 | 50 | 500 | 200 | | | | | | |
| Simcoe Island..... | | | | | 1 | 125 | 4 | 20 | 200 | 80 | | | | | | |
| Total..... | | | | | 16 | 495 | 29 | 107 | 1120 | 418 | | | | | | |
| <i>Gananoque Division.</i> | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| <i>Cornwall Division.</i> | | | | | 50 | 800 | 50 | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| <i>Muskoka Division.</i> | | | | | | | | | | | | | | | | |
| Lakes Muskoka, Rosseau, Joseph, Trading, Three Mile, Leonard, Fairy, Peninsula, Vernon, Long, Doe, Walker, Whitefish, Bruce, Maple, Sand, Keleton, Sucker, Long, Round and Mountford..... | | | | | 94 | 470 | 94 | 200 | 10295 | 510 | (31 special permits for ang | | | | | |
| | | | | | | | | | | | | | | | | |
| <i>Lake Simcoe Division.</i> | | | | | | | | | | | | | | | | |
| Orillia..... | | | | | 1 | 25 | 1 | 1 | 200 | 40 | | | | | | |
| Hawkeston..... | | | | | 1 | 30 | 1 | 1 | 1000 | 100 | | | | | | |
| Barrie..... | | | | | 4 | 320 | 7 | 1 | 3000 | 520 | | | | | | |
| Beaverton..... | | | | | 2 | 55 | 2 | 2 | 1000 | 125 | | | | | | |
| Port Bolster..... | | | | | 1 | 10 | 4 | | | | 1 | 30 | 20 | | | |
| Thorah Island..... | | | | | 1 | 40 | 4 | 5 | 200 | 40 | 1 | 30 | 25 | | | |
| Lake Simcoe..... | | | | | 5 | 75 | 10 | 14 | 508 | 93 | | | | | | |
| Total..... | | | | | 15 | 565 | 29 | 24 | 6808 | 1638 | 2 | 60 | 45 | | | |

Boats, Nets, &c.—Ontario—Continued.

| VALUE, &c. | | KINDS, QUANTITIES AND PRICES OF FISH. | | | | | | | | | | | | | | VALUE. | | TOTAL. | |
|------------|-------------|---------------------------------------|-----------------|----------------|-----------------|-------------------|-------------------|----------------------|----------------|----------------|---------------------|-----------------------|-------------------------------|-------|----------|--------|----|--------|----|
| Hoop Nets. | Scoop Nets. | Whitefish, barrels. | Whitefish, lbs. | Whitefish, No. | Trout, barrels. | Herring, barrels. | Sciscos, barrels. | Maskinongé, barrels. | Bass, barrels. | Pike, barrels. | Pickereel, barrels. | Coarse Fish, barrels. | Total No. of barrels of Fish. | Fresh | Pickled. | Value. | | | |
| No. | Value. | No. | Value. | | | | | | | | | | | \$ | cts. | \$ | \$ | cts. | |
| 7 | 70 | | | 400 | | | | | 5 | 12 | 10 | 10 | 10 | 40 | 00 | | | 40 | 00 |
| | | | | 5 | 400 | | | | 11 | 22 | 30 | 33 | 98 | 175 | 00 | | | 175 | 00 |
| | | | | | | 2 | | | 5 | 10 | 12 | 12 | 46 | 253 | 00 | | | 253 | 00 |
| 7 | 70 | | | 5 | 400 | | | | 21 | 44 | 52 | 65 | 191 | 935 | 00 | | | 935 | 00 |
| 38 | 540 | | | | | 1 | 14 | | | | | 255 | 270 | 1,100 | 00 | | | 1,100 | 00 |
| 10 | 200 | | | | | | | | | | | 60 | 60 | 240 | 00 | | | 240 | 00 |
| 10 | 150 | | | | | | | | | | | 40 | 40 | 160 | 00 | | | 160 | 00 |
| | | | | 18 | | | | | | 7 | | 6 | 31 | 245 | 00 | | | 245 | 00 |
| | | | | | | | | | | 6 | | 6 | 6 | 30 | 00 | | | 30 | 00 |
| | | | | | | 50 | | | | | | 50 | 50 | 500 | 00 | | | 500 | 00 |
| | | | | 15 | | | | | 5 | | 4 | 24 | 24 | 195 | 00 | | | 195 | 00 |
| 58 | 890 | | | 33 | | 51 | 14 | | 13 | 6 | 10 | 355 | 481 | 2,470 | 00 | | | 2,470 | 00 |
| | | | | | | | | | 16 | | | | 16 | 80 | 00 | | | 80 | 00 |
| | | | | | | | | | | | | 250 | 250 | 1,000 | 00 | | | 1,000 | 00 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | 10 | | 15 | 21 | | 6 | | 10 | | 62 | 435 | 00 | | | 435 | 00 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | 200 | 20 | | 50 | | 2 | | 25 | 125 | 00 | | | 125 | 00 |
| | | | | | | 3800 | 159 | | | | | 74 | 197 | 480 | 00 | | | 480 | 00 |
| | | | | | | | 6 | | 10 | | | 16 | 16 | 110 | 00 | | | 110 | 00 |
| | | | | | | 3700 | 14 | | 10 | | | 61 | 61 | 560 | 00 | | | 560 | 00 |
| | | | | | | 7700 | 199 | 25 | 70 | | 2 | 373 | 373 | 3,245 | 00 | | | 3,245 | 00 |

RETURN of the Number and Value of Vessels,

| STATIONS. | VESSELS AND BOATS EMPLOYED FISHING. | | | | | | NETS, THEIR NUMBER, SIZE, | | | | | | | | | | |
|---|-------------------------------------|----------|--------|-------|-----|--------|---------------------------|-----|---------|--------|-------------|-------|--------|------|--------------------------------|--------|--|
| | Vessels. | | | Nets. | | | Gill Nets. | | Seines. | | Pound Nets. | | | | | | |
| | No. | Tonnage. | Value. | Men. | No. | Value. | Men. | No. | Rods. | Value. | No. | Rods. | Value. | No. | Rods. | Value. | |
| <i>Lake Scugog Division.</i> | | | \$ | | \$ | | | | | \$ | | | \$ | | | \$ | |
| Port Perry and Lindsay..... | | | | | 30 | 300 | 213 | | | | | | | (356 | <i>special permits for ang</i> | | |
| Cæsarea..... | | | | | 50 | 500 | 378 | | | | | | | (378 | do | | |
| Total..... | | | | | 80 | 800 | 591 | | | | | | | (734 | do | | |
| <i>Rice Lake and Trent River Division.....</i> | | | | | 103 | 2020 | 400 | | | | | | | (579 | do | | |
| <i>Peterboro' and Victoria Counties Division.....</i> | | | | | 10 | 190 | 10 | | | | | | | | | | |
| <i>Charleston & Gananoque Lakes Division.</i> | | | | | | | | | | | | | | | | | |
| Charleston Lake to Gananoque..... | | | | | 3 | 46 | 6 | 26 | 116 | 98 | | | | | | | |
| Upper Delta to Lower Delta..... | | | | | 1 | 20 | 4 | | | | | | | | | | |
| Beverly Lakes to Squaw Point..... | | | | | 2 | 15 | 4 | | | | | | | | | | |
| Griffin Lake..... | | | | | 1 | 10 | 1 | | | | | | | | | | |
| South Lake..... | | | | | 1 | 10 | 1 | | | | | | | | | | |
| Total..... | | | | | 8 | 101 | 16 | 26 | 116 | 98 | | | | | | | |
| <i>Mississippi River and Lake Division.....</i> | | | | | 4 | 40 | 6 | | | | | | | | | | |
| <i>Madawaska River and Lake des Chats Division.</i> | | | | | | | | | | | | | | | | | |
| Madawaska River and adjoining lakes..... | | | | | 2 | 20 | 4 | | | | | | | | | | |
| Mouth of Mississippi River and Head of Chats Rapid..... | | | | | | | | | | | | | | | | | |
| Arnprior..... | | | | | 8 | 80 | 8 | | | | | | | | | | |
| Mouth of Bonnechere River..... | | | | | 3 | 30 | 3 | | | | | | | | | | |
| Bonnechere River and Lakes in County of Renfrew..... | | | | | 101 | 505 | 185 | 86 | 622 | 344 | | | | | | | |
| Total..... | | | | | 114 | 635 | 200 | 86 | 622 | 344 | | | | | | | |

Boats, Nets, &c.—Ontario—Continued.

| VALUE, &c. | | | | KINDS, QUANTITIES AND PRICES OF FISH. | | | | | | | | | | | | VALUE. | | TOTAL. | |
|--------------------|--------|-------------|--------|---------------------------------------|-----------------|----------------|-----------------|-------------------|-------------------|----------------------|----------------|----------------|---------------------|-----------------------|----------------------------------|--------|----------|--------|----------|
| Hoop Nets. | | Scoop Nets. | | Whitefish, barrels. | Whitefish, lbs. | Whitefish, No. | Trout, barrels. | Herring, barrels. | Sciacos, barrels. | Maskinonge, barrels. | Bass, barrels. | Pike, barrels. | Pickereel, barrels. | Coarse Fish, barrels. | Total Number of barrels of Fish. | Fresh. | Pickled. | Value. | |
| No. | Value. | No. | Value. | | | | | | | | | | | | | | | | |
| | \$ | | \$ | | | | | | | | | | | | | \$ | cts. | \$ | cts. |
| ling were issued.) | | | | | | | | | | 150 | 50 | | | | 200 | 1,000 | 00 | | |
| do | | | | | | | | | | 400 | 11 | | | | 411 | 2,055 | 00 | | |
| do | | | | | | | | | | 550 | 61 | | | | 611 | 3,055 | 00 | | 3,055 00 |
| do | | | | | | | | | | 400 | 600 | | | | 1000 | 5,000 | 00 | | 5,000 00 |
| | | | | | | | 60 | 5 | | 289 | 188 | | 12 | 50 | 604 | 3,270 | 00 | | 3,270 00 |
| | | | | | 1400 | | 6 | | 21 | | 19 | | 11 | | 64 | 385 | 00 | | 385 00 |
| | | | | | | | | | | | 10 | 12 | | 4 | 26 | 126 | 00 | | 126 00 |
| | | | | | | | 6 | | | | 8 | 7 | | 2 | 23 | 143 | 00 | | 143 00 |
| | | | | | | | | | | | 6 | 6 | | 4 | 16 | 76 | 00 | | 76 00 |
| | | | | | | | | | | | 4 | 3 | | 3 | 10 | 47 | 00 | | 47 00 |
| | | | | | 1400 | | 12 | | 21 | | 47 | 28 | 11 | 13 | 139 | 777 | 00 | | 777 00 |
| | | | | | | | | | | | 25 | 360 | 28 | 128 | 541 | 2,577 | 00 | | 2,577 00 |
| | | | | | | | | | | 2 | 6 | 7 | 10 | 10 | 35 | 165 | 00 | | 165 00 |
| | | | | | | | | | | 2 | 18 | 5 | 25 | 15 | 65 | 310 | 00 | | 310 00 |
| | | 8 | 15 | | | | | | | 2 | 20 | 5 | 35 | 25 | 87 | 410 | 00 | | 410 00 |
| | | 3 | 6 | | | | | | | 1 | 4 | 4 | 12 | 8 | 29 | 137 | 00 | | 137 00 |
| | | | | | 68 | | 83 | | 30 | 41 | 25 | 90 | 20 | 170 | 527 | 3,220 | 00 | | 3,220 00 |
| | | 11 | 21 | | 68 | | 83 | | 30 | 48 | 73 | 111 | 102 | 228 | 743 | 4,242 | 00 | | 4,242 00 |

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 1878.

| No. | VESSELS AND BOATS EMPLOYED FISHING. | | | | | | NETS, THEIR NUMBER, SIZE, VALUE, &c. | | | | | | | | | | | | | | | |
|-----|-------------------------------------|---------|------|---------|--------|------|--------------------------------------|-------|----------|---------|-------------|-------|------------|-------|-------------|------|--------|-----|------|----|----|--|
| | Vessels. | | | Boats. | | | Gill Nets. | | Seinees. | | Pound Nets. | | Hoop Nets. | | Scoop Nets. | | | | | | | |
| | No. | Value. | Men. | No. | Value. | Men. | No. | Rods. | Value. | No. | Value. | No. | Value. | No. | Value. | No. | Value. | | | | | |
| 1 | 83 | \$ 3000 | 6 | \$ 5235 | 61 | 110 | 7244 | 2080 | | | | | | | | | | | | | | |
| 2 | 1 | 500 | 4 | 9257 | 380 | 1903 | 34910 | 17245 | | | | | 8 | 2000 | | | | | | | | |
| 3 | 55 | 2300 | 10 | 6947 | 184 | 924 | 59431 | 21124 | 33 | 4852 | (4800 | 240 | 2000 | | | | | | | | | |
| 4 | | | 18 | 179 | 61 | | | | 14 | 291 | | | | | | | | | | | | |
| 5 | | | 42 | 930 | 213 | | | | 42 | 1133 | | | | | | | | | | | | |
| 6 | 1 | 280 | 4 | 3330 | 162 | 5 | 336 | 390 | 16 | 298 | | | | | | | | | | | | |
| 7 | | | 189 | 6745 | 365 | 200 | 34633 | 12809 | 58 | 2407 | 3 | 550 | | | | | | | | | | |
| 8 | 2 | 2100 | 5 | 129 | 4701 | 481 | 827 | 41693 | 44 | 2404 | 60 | 2195 | | | | | | | | | | |
| 9 | | | 5 | 55 | 11 | 7 | 338 | 94 | | | | | | | | | | | | | | |
| 10 | | | 16 | 495 | 29 | 107 | 1120 | 418 | | | | | | | | | | | | | | |
| 11 | | | 60 | 800 | 50 | | | | | | | | | | | | | | | | | |
| 12 | | | 94 | 470 | 94 | 200 | 10295 | 510 | (31 | special | | | | | | | | | | | | |
| 13 | | | 15 | 565 | 29 | 24 | 5908 | 1638 | 2 | 60 | 45 | | | | | | | | | | | |
| 14 | | | 80 | 800 | 591 | | | | (734 | special | | | | | | | | | | | | |
| 15 | | | 103 | 2020 | 400 | | | | (579 | special | | | | | | | | | | | | |
| 16 | | | 10 | 190 | 10 | | | | | | | | | | | | | | | | | |
| 17 | | | 8 | 101 | 16 | 26 | 116 | 98 | | | | | | | | | | | | | | |
| 18 | | | 4 | 40 | 6 | | | | | | | | | | | | | | | | | |
| 19 | | | 114 | 635 | 200 | 86 | 622 | 344 | | | | | | | | | | | | | | |
| 20 | | | 9 | 166 | 8150 | 29 | 1189 | 43485 | 3353 | 4419 | 19654 | 64560 | 209 | 11446 | 23753 | 4652 | 16585 | 141 | 3385 | 26 | 64 | |
| | | | | | | | | | | | | | | | | | | | | | | |

RECAPITULATION of the Number and Value of Vessels, Boats, Nets, &c.—Ontario.—Concluded.

| No. | DIVISIONS. | KINDS, QUANTITIES AND PRICES OF FISH. | | | | | | | | | | | | VALUE. | | TOTAL. |
|------------|---|---------------------------------------|-----------------|----------------|--------------|-----------------|----------------|-------------------|--------------|-------------|-----------------|--------------------|-------------------------------|--------|----------|--------|
| | | Whitefish, brls. | Whitefish, lbs. | Whitefish, No. | Trout, brls. | Herrings, brls. | Salmons, brls. | Maskinonge, brls. | Basas, brls. | Pike, brls. | Pickarel, brls. | Coarse Fish, brls. | Total No. of barrels of fish. | Fresh. | Pickled. | |
| 1 | Lake Superior..... | 832 | 159000 | ..... | 1015 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8040 | 21255 | 29295 |
| 2 | Manitoulin Island and Lake Huron..... | 339 | 361600 | 324000 | 1841 | 3262 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 55497 | 36683 | 92180 |
| 3 | Georgian Bay..... | 504 | 100000 | 341600 | 519 | 176 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 39160 | 11400 | 50560 |
| 4 | Thames River and Lake St. Clair..... | 235 | ..... | ..... | 135 | 378 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11767 | ..... | 11767 |
| 5 | Detroit River..... | ..... | ..... | 45800 | ..... | 623 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10239 | ..... | 10239 |
| 6 | Lake Erie..... | 249 | 126400 | 3200 | ..... | 3086 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 38679 | ..... | 38679 |
| 7 | Niagara River and Lake Ontario..... | 351 | ..... | ..... | 1172 | 529 | 770 | 500 | ..... | ..... | ..... | ..... | ..... | 33295 | ..... | 33295 |
| 8 | Prince Edward County and Bay of Quinte..... | 1435 | 411400 | ..... | 587 | 643 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48125 | 6896 | 55021 |
| 9 | Lennox and Addington Counties..... | 5 | 400 | ..... | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 935 | ..... | 935 |
| 10 | Kingston..... | 33 | ..... | ..... | 51 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2470 | ..... | 2470 |
| 11 | Gananoque (angling)..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 80 | ..... | 80 |
| 12 | Cornwall..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1000 | ..... | 1000 |
| 13 | Muskoka..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 435 | ..... | 435 |
| 14 | Lake Simcoe..... | ..... | ..... | 7700 | ..... | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3245 | ..... | 3245 |
| 15 | Lake Scugog..... | ..... | ..... | ..... | ..... | 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3055 | ..... | 3055 |
| 16 | Rice Lake and Trent River..... | ..... | ..... | ..... | ..... | ..... | ..... | 550 | ..... | ..... | ..... | ..... | ..... | 5000 | ..... | 5000 |
| 17 | Peterboro' and Victoria Counties..... | ..... | ..... | ..... | ..... | ..... | ..... | 406 | ..... | ..... | ..... | ..... | ..... | 3370 | ..... | 3370 |
| 18 | Charleston and Gananoque Lakes..... | ..... | ..... | ..... | ..... | ..... | ..... | 288 | ..... | ..... | ..... | ..... | ..... | 777 | ..... | 777 |
| 19 | Mississippi River and Lake..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2577 | ..... | 2577 |
| 20 | Madawaska River and Lake des Chats..... | 68 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4243 | ..... | 4243 |
| Total..... | | 4061 | 1160200 | 722300 | 5691 | 8762 | 822 | 1801 | 2701 | 1073 | 3095 | 7268 | 48298 | 271836 | 76234 | 348123 |

RECAPITULATION

Of the Yield and Value of the Fisheries in the Province of Ontario,
during the Year 1878.

| Kinds of Fish. | | Quantity. | Price. | Value. |
|---|-----------|-----------|---------|------------|
| | | | \$ cts. | \$ cts. |
| Whitefish, | brls..... | 4,061 | 10 00 | 40,610 00 |
| do | lbs..... | 1,160,200 | 0 05 | 58,010 00 |
| do | No..... | 722,300 | 0 10 | 72,250 00 |
| Trout, | brls..... | 5,691 | 10 00 | 56,910 00 |
| Herrings, | do..... | 8,762 | 5 00 | 43,810 00 |
| Sciacos, | do..... | 822 | 5 00 | 4,110 00 |
| Maskinonge, | do..... | 1,801 | 5 00 | 9,005 00 |
| Bass, | do..... | 2,701 | 5 00 | 13,505 00 |
| Pike, | do..... | 1,073 | 5 00 | 5,365 00 |
| Pickarel, | do..... | 3,095 | 5 00 | 15,475 00 |
| Coarse Fish, | do..... | 7,268 | 4 00 | 29,072 00 |
| Total value of the Fisheries in 1878..... | | | | 348,122 00 |
| do do 1877..... | | | | 438,223 00 |
| Decrease..... | | | | 90,101 00 |

APPENDIX No. 19.

SYNOPSIS OF FISHERY OVERSEERS' REPORTS IN THE PROVINCE OF
ONTARIO, FOR THE YEAR 1878.

LAKE SUPERIOR DIVISION

JOSEPH WILSON, }
JAMES DICKSON, } *Overseers.*

Comparative statement of the yield and value of the fisheries in this division :—

| Kinds of Fish. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|-----------------------|----------|----------|----------|----------|----------|----------|---------|
| Whitefish, brls | 1,958 | 2,375 | 2,580 | 2,117 | 2,043 | 2,178 | 832 |
| do fresh, lbs. .... | ..... | 7,000 | ..... | ..... | 40,700 | 71,200 | 159,000 |
| Trout, brls..... | 1,252 | 1,500 | 1,684 | 955 | 3,392 | 4,414½ | 1,015 |
| Pickeral | 70 | ..... | ..... | ..... | ..... | ..... | 575 |
| Total in barrels..... | 3,280 | 3,755 | 4,264 | 2,172 | 5,642½ | 6,963½ | 3,217 |
| Value..... | \$19,384 | \$18,035 | \$42,664 | \$21,720 | \$56,425 | \$69,635 | \$9,295 |

Overseer Dickson reports as follows: The only gill-net stations in this division, which were fished last season, with one exception, are situate in Thunder Bay. The catch was lighter than in 1877 during this summer, although no decrease in the quantity of the fish was noticeable afterwards. The fall was unusually open and the gill-net fishermen continued to fish till the latter part of December; the fish remaining on the grounds until the ice began to form. Pound-net fishing, which was tried as an experiment this season, was a failure, the reason being attributed by the Overseer to an unjudicious selection of localities.

The fishery regulations and close season appear to have been well observed.

Overseer Wilson states that whitefish and trout continue to be as plentiful as ever in the waters of his division. The fall catch was, however, smaller than that of 1877, owing to continued heavy gales which prevailed during the months of October and November, and which occasioned the loss of several nets. This Overseer complains of the difficulty of procuring from fishermen, returns of their catch, he having been unable to procure any from six stations this year. All the fishing grounds in Lake Huron were visited during the close season, stormy weather preventing the Overseer from visiting those of Lake Superior at the same time. But he states he has reason to believe that the close time was well observed everywhere. During the month of August, Overseer Wilson also visited the angling grounds of Nipigon and found everything to his satisfaction. Angling continues to be as good as formerly, and one advantage resulting from the permit system is that the river is now visited by a greater number of sportsmen and less poachers. Forty-three permits were issued to foreigners.

After his visit to the Nepigon, extensive fires occurred in some of the portages, evidently the result of carelessness on the part of Indians and sportsmen neglecting to extinguish their camp fires. A hope is expressed that steps will be taken by the Local Government to prevent such accidents in future, as besides other consequences, the ashes and cinders blown from these bush fires might possible drive away the speckled trout from their usual haunts.

This Overseer also suggests that Root River be set apart for the natural reproduction of fish, it being the spawning ground, and indeed the nursery, of St. Mary's River.

The fishery laws and regulations were well observed in this division.

MANITOULIN ISLAND DIVISION.

G. B. ABREY, *Overseer.*

Comparative statement of the yield and value of the fisheries in this division.

| | | 1877. | 1878. |
|-----------------------|-----------|----------|----------|
| Whitefish, | brls..... | 1,368 | 337 |
| do | Nos..... | 2,000 | 3,000 |
| Trout, | brls..... | 1,633 | 293 |
| Total in barrels..... | | 3,021 | 660 |
| Value..... | | \$30,210 | \$10,700 |

The yield of the fisheries in this division was much lower than usual. This decrease is attributed to the low prices which prevailed, and to the want of demand for pickled fish. No preparations appear to have yet been made in this division for forwarding fresh fish, and they seem to have displaced the cured fish on the markets. No violations of the law are reported, except in the case of a sawmill owner permitting sawdust and mill rubbish to fall into the stream. The owner was notified, and promised to be more careful in future.

About four hundred barrels of fish are reported as having been used for home consumption.

LAKE HURON DIVISION.

JAMES MUIR,
A. C. MCKINNON,
DAVID MCMMASTER,
HUGH MCFAYDEN. } *Overseers.*

Comparative statement of the yield and value of the fisheries of this division.

| | | 1877. | 1878. |
|-----------------------|-----------------|--------------|----------|
| Whitefish, | brls..... | 51 | 2 |
| do | fresh, lbs..... | 1,181,00 | 361,600 |
| do | Nos..... | ..... | 321,000 |
| Trout, | brls..... | 2,594½ | 1,048 |
| Herring, | do | 4,262 | 3,262 |
| Bass, | do | 76 | 64 |
| Pike, | do | 2 | 2 |
| Pickarel, | do | 524½ | 568 |
| Coarse fish, | do ..... | ..... | 105 |
| Total in barrels..... | | 13,409 | 10,069 |
| Value..... | | \$109,007.50 | \$81,480 |

Overseer Muir, whose division comprises that portion of the shore of Lake Huron extending from Point Clark to Cape Hurd, including adjacent Islands, sends the following report:—The past season was a very bad one for fishermen, the yield being smaller than usual, and the prices hardly remunerative. In some cases, indeed, the fishermen could not dispose of their pickled fish at any price. The season opened early owing to an unusually mild winter, but the fish did not appear to be as plentiful as usual, and they continued scarce all through the season, and the stormy weather experienced during the fall completed the failure of the fishery operations. The close seasons were well observed.

Overseer McKinnon, who has charge of the division extending from Kettle Point to Point Clark, reports the yield of the fisheries in his division as being one-third less than in 1877, and attributes this to three causes: 1st, to the rubbish carried through the ditch cut by the Canada Company from Lakes George, Smith and Burwell, and which remains on the seining grounds all spring, and prevents the fish from coming to their favourite haunts; 2nd, to the muddy state of the water caused by the mildness of the winter, which prevented the formation of ice, the waters of the lake washing against the clay banks all winter; and 3rd, to a less vigorous prosecution of the fisheries in some stations, a large number of fishermen of this division having migrated to Manitoba and Muskoka.

There is only one fishway in this division; it was kept in good repair and open all through the season.

The close seasons are well observed and they give entire satisfaction.

Overseer McMaster, whose division extends from Kettle Point, on Lake Huron, to Baby's Point, on River St. Clair, states that there was an increase of forty-five per cent. in the yield of the fisheries in his division, as compared with 1877; the increase being principally in herrings. Twenty-five per cent. of the fish caught were exported to the United States, the balance being used for home consumption. This Overseer complains of the difficulty of getting reliable returns from the fishermen, who, he states, underrate the catch under the erroneous impression that their license fees shall be increased if they show too good returns.

A fact to be noticed is the demand for sturgeon which commenced this season. This fish is purchased by parties from New York for the purpose of making caviar, and also for exportation to Germany in cans. It is to be hoped that the demand will continue, as sturgeon are very numerous on this coast, and this fishing, which was almost useless, may become a profitable industry. The fishery laws and regulations were well observed.

Overseer McFayden, who has charge of the Saugeen River and tributaries within the County of Grey, and of Beaver River, was appointed during the past season. He states in his annual report that after receiving his appointment he visited his division and found many abuses being practised, especially by the saw-mill owners in letting sawdust and rubbish run from their mills into the stream, but that after he had made known the fishery regulations he found a great improvement; everyone generally taking steps to comply with the requirements of the fishery laws. This officer reports that there is a great decrease in the number of fish frequenting the waters of his division, generally attributed to former pollution of the spawning-beds by sawdust and mill-rubbish.

GEORGIAN BAY DIVISION.

JAMES PATTON, }
 SAMUEL FRAZER, } *Overseers.*
 G. S. MILLER, }
 WILLIAM MCGOWN, *Guardian.*

Comparative statement of the yield and value of the fisheries of this division.

| | | 1877. | 1878. |
|-----------------------|-----------|----------|----------|
| Whitefish, | brls..... | 2,256 | 504 |
| “ fresh, | lbs..... | 149,200 | 100,000 |
| “ | Nos..... | 295,500 | 341,600 |
| Trout, | brls..... | 910½ | 519 |
| Herrings, | “ | 289 | 176 |
| Pike, | “ | 36 | ..... |
| Pickerel, | “ | 31 | 58 |
| Coarse fish | “ | 71 | ..... |
| Total in barrels..... | | 7,297½ | 5,173 |
| Value | | \$70,769 | \$50,560 |

Overseer Patton, who has charge of that part of Georgian Bay comprising the fishing grounds around Collingwood and east of Manitoulin Island, merely sends in the returns of the catch of fish within his district, and fails to make any special report.

Overseer Frazer, in charge of the Midland and Penetanguishene Divisions, reports fishing as having been very unsuccessful, owing to the stormy weather, and also to a heavy falling off in prices, which kept many from pursuing fishing. Some of the holders of free licenses could not even avail themselves of their privilege, being too poor to procure an outfit. Thirty-six free licenses were issued this year against seventy-three in 1877. The number of other licenses was also smaller, owing, probably, to the same cause which reduced the demand for free licenses—poverty and low prices of fish. The cheapness of pork prevented traders from making any advances to the fishermen for fall fishing, but although this may have been considered a hardship at the outset, it turned out for the best, as the latter did not incur any debts on the strength of their catch, which was smaller than expected. Thirty-four boats were engaged in the fisheries with sixty-two men, who fished 3,738 rods of gill-nets and sixteen sets of hoop-nets. The catch amounted to:—

| | | |
|--------------|-----------|-----|
| Whitefish, | brls..... | 48 |
| Trout, | “ | 9 |
| Herrings, | “ | 142 |
| Pike, | “ | 41 |
| Pickerel, | “ | 6 |
| Coarse fish, | “ | 45 |
| Total..... | | 291 |

This, says the Overseer, is certainly a great falling-off from last year, which was not even considered an average season.

Overseer Miller, whose district comprises the fishing grounds around Owen Sound, also reports a decrease in this season's catch. One complaint of illegal fishing was brought before him, but, after due investigation, sufficient evidence could not be supplied to warrant further proceedings.

LAKE ST. CLAIR AND THAMES RIVER DIVISION.

PERER McCANN, }
 F. McRAE, }
 A. BRADY, } Overseers.
 T. McQUEEN. }

Comparative statement of the yield and value of the fisheries in this division:—

| | 1875. | 1876 | 1877. | 1878. |
|-----------------------|----------|----------|---------------------|----------|
| Whitefish, brls..... | ..... | 299 | 141 | 235 |
| “ lbs..... | ..... | ..... | ..... | ..... |
| “ No..... | ..... | ..... | ..... | ..... |
| Trout, brls..... | ..... | 140 | 190 | 135 |
| Herring, brls..... | ..... | 500 | 445 | 378 |
| Maskinonge, brls..... | ..... | 1 | 1 $\frac{1}{2}$ | ..... |
| Bass, “ | 39 | 96 | 302 | 233 |
| Pike, “ ..... | ..... | 4 | 39 | 64 |
| Pickrel, “ | 1,302 | 492 | 642 | 414 |
| Coarse fish | 704 | 635 | 531 | 655 |
| Total in barrels..... | 2,045 | 2,167 | 2,291 $\frac{1}{2}$ | 2,114 |
| Value..... | \$10,225 | \$12,395 | \$12,581 50 | \$11,767 |

Overseers McCann and Brady, who have charge of the Thames River, state that the fish were more plentiful than ever in that stream, and attribute this fact to the unprecedented mildness of the winter, which left the waters free from ice and gave a clear field to the fish. The fishermen could not, however, reap all the benefits of this increase; the low prices offered for fish on the Detroit markets compelling many to discontinue their operations. The fishery laws were well observed except in a few instances. Mr. McCann confiscated four spears and prosecuted one party for fishing without licence; a fine of \$15 was imposed in the last-mentioned case.

Overseer McRae, who has charge of the Sydenham River and Lake St. Clair, also reports an abundance of fish, and good success. The close seasons were strictly complied with in his division.

Overseer McQueen, who has charge of the River Thames as far as Louisville, states that the increase of the fish in his division is quite sensible, and attributes this to the same reasons as given in Messrs. McCann and McRae's reports.

DETROIT RIVER DIVISION.

ED. BOISMIER, *Overseer.*

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876. | 1877. | 1878. |
|-----------------------|---------------------|------------|----------|
| Whitefish, No..... | 72,275 | 72,000 | 45,800 |
| Trout, brls..... | ..... | ..... | ..... |
| Herrings, “ | 60 | ..... | 623 |
| Maskinonge “ ..... | ..... | 4 | 10 |
| Bass, “ | 2 | 14 | 15 |
| Pike, “ ..... | ..... | ..... | 39 |
| Pickrel, “ | 4 | 10 | 96 |
| Coarse fish, “ | 117 | 217 | 436 |
| Total in barrels..... | 1,051 $\frac{1}{2}$ | 860 | 1,677 |
| Value..... | \$8,025 50 | \$7,158 00 | \$10,229 |

The yield of the fisheries in this division shows an increase over that of 1877; the catch of herrings, especially, being very abundant, over one million of these fish being caught in the river alone. This result is attributed by the local Overseer to the fact that the pound-nets in Lake Erie were set late in the season, thus giving a chance to the fish to enter the River Detroit. The value of the fish used for home consumption does not amount to more than \$500, as most of it is sent to the American market.

There is an increase in the catch of whitefish, although the figures given in the tables are smaller than those of 1877; the reason of this apparent discrepancy being that, during that year, Mr. Boismier included in his returns the whitefish caught around Point Pelée, on Lake Erie, whilst in the present instance, they are reckoned in the division of Mr. Prosser. The total quantity would thus amount to 160,000 lbs.

POINT PELEE DIVISION.

WILLIAM PROSSER, *Guardian*.

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876. | 1877. | 1878. |
|-----------------------|-------------|------------|----------|
| Whitefish, brls..... | ..... | 161 | 127 |
| “ lbs..... | ..... | 10,500 | 88,800 |
| “ No..... | 13,850 | ..... | ..... |
| Herring, “ | 1,952 | 1,038 | 201 |
| Bass, “ | 55 | 97 | 355 |
| Pike, “ ..... | ..... | 1 | ..... |
| Pickerel, “ | 37 | 75½ | 320 |
| Coarse fish, “ | 131½ | 285 | 373 |
| Total in barrels..... | 2,341½ | 1,710 | 1,820 |
| Value..... | \$12,131 00 | \$9,332 50 | \$11,582 |

The amount realized from the issue of pound-net licenses in this division during the season of 1878, is \$600.

POINT PELEE ISLAND DIVISION.

JAMES CUMMINS, *Guardian*.

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876. | 1877. | 1878. |
|-----------------------|------------|------------|----------|
| White fish, brls..... | ..... | ..... | 76 |
| “ lbs..... | 1,800 | 10,400 | 15,600 |
| “ No..... | ..... | ..... | ..... |
| Trout, brls..... | ..... | ..... | ..... |
| Herring, “ | 201 | 90 | 239 |
| Maskinonge, “ ..... | ..... | ..... | ..... |
| Bass, “ | 42 | 10 | 84 |
| Pike, “ ..... | ..... | ..... | ..... |
| Pickerel, “ ..... | ..... | ..... | ..... |
| Coarse fish, “ | 14 | 15 | 87 |
| Total in barrels..... | 266 | 167 | 554 |
| Value..... | \$1,361 00 | \$1,080 00 | \$ 3,463 |

The fishery laws were well observed in this division, Mr. Cummins paying particular attention to his duties and preventing foreigners from encroaching upon Canadian grounds.

LAKE ERIE DIVISION.

| | |
|-----------------|--------------|
| JOHN McMICHAEL, | } Overseers. |
| ALEX. McBRIDE, | |
| C. L. BINGHAM, | |
| HENRY LAWE. | |

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876. | 1877. | 1878. |
|-----------------------|-------------|-------------|----------|
| Whitefish, brls..... | 300½ | ..... | 46 |
| “ lbs..... | 7,045 | 87,000 | 22,000 |
| “ Nos..... | 1,000 | 300 | 3,200 |
| Herring, brls..... | 1,149 | 1,644 | 2,646 |
| Maskinonge, “ | 1 | 7 | 4 |
| Bass, “ | 43½ | 76 | 134 |
| Pike, “ | 28½ | 44 | 65 |
| Pickereel, “ | 686 | 839 | 664 |
| Coarse fish, “ | 1,019 | 872½ | 1,046 |
| Total in barrels..... | 3,262 | 3,920½ | 4,748 |
| Value..... | \$17,071 25 | \$20,920 00 | \$23,634 |

The increase in the catch, as shown by the above statement, Overseer McMichael attributes to a larger number of fishermen. This officer reports no violation of the law. He estimates the quantity of fish used for home consumption at 1,505 barrels of all kinds.

Overseer McBride, states that in his district the catch was smaller than last year, owing to fewer men being engaged fishing and, also, to the stormy weather which prevailed throughout the fall season.

Overseer Bingham, reports the catch of fish in his district as very light during the spring and summer, and attributes this scarcity to the heavy winds which prevailed early in the season and riled the waters. Pound nets did well enough, but most of the seine fishermen had to give up fishing, as they did not cover expenses. The various close seasons appear to have been well observed, only two persons being fined for violating the law. This Overseer alludes to a very destructive practice, that of setting nets in spring brooks frequented by speckled trout. He seized four of these during the season and destroyed them, being unable to discover the owners.

Overseer Lowe, who has charge of Grand River from its mouth to Caledonia, reports an increase in the yield of the fisheries of his division, which he attributes to a more vigorous prosecution of fishing and to the continuance of open weather. No violations of the law came to his notice.

NIAGARA RIVER AND LAKE ONTARIO DIVISION.

J. W. KERR,
CHAS. GILCHRIST,
ANDREW HUGHSON, } Overseers.
W. HULL,

COMPARATIVE STATEMENT of the yield and value of the fisheries in this division:—

| Kinds of Fish. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|--------------------------|----------|----------|----------|----------|-------------|----------|----------|
| Whitefish, brls..... | 615 | 498 | 482 | 623 | 433 | 9 | 351 |
| do lbs..... | | 93,958 | 96,500 | | | 59,600 | |
| do No..... | | 466 | | | 2,000 | | |
| Trout, brls..... | 166 | 55 | 99 | 43 | 786½ | 943 | 1,172 |
| Herrings, do..... | 512 | 405 | 405 | 268 | 431½ | 462½ | 529 |
| Sciscos, do..... | 219 | 289 | 134 | 188 | 304 | 1,495 | 770 |
| Maskinonge, brls..... | 8 | 12 | 42 | 77 | 35 | 32 | 500 |
| Pike and Bass, brls..... | 280 | 488 | 620 | 251 | 271 | 487½ | 1,022 |
| Pickarel, do..... | 261 | 444 | 723 | 156 | 337 | 216 | 120 |
| Coarse fish, do..... | 653 | 780 | 798 | 236 | 524½ | 744½ | 835 |
| Total in barrels..... | 2,714 | 3,436 | 3,303 | 1,842 | 3,132½ | 4,687½ | 5,303 |
| Value..... | \$16,601 | \$25,899 | \$24,783 | \$13,542 | \$21,286 50 | \$28,943 | \$33,295 |

Overseer Kerr sends the following report:—

Whitefish.

These fish appeared in large quantities on the shores of this division, and fishermen in almost every instance abandoned seine fishing owing to the great number of young whitefish which would thus have been destroyed. Large samples of whitefish and some very fine salmon-trout were caught in gill-nets.

Sciscos and Herrings.

Smoked herring and sciscos are now in great demand and fetch remunerative prices. Their yield is on the increase.

Bass and Pickarel.

The yield of this fishery was fair.

Salmon.

Salmon were more numerous during this season than for the past fourteen years. Twenty-three of these fish, weighing from five to eleven pounds, were accidentally caught in Lake Ontario, and returned to the waters whenever possible. In Lyon's Creek, salmon and salmon-beds were noticed in larger numbers than usual during the fall. About one hundred and fifty salmon spawned in Duffin's Creek. These fish were large and the creek in fine condition for the reception of the parent salmon; the water being high and clear. Salmon were also numerous in River Credit. They were noticed to ascend this stream during the month of September. At Springfield they were also abundant and of a large size. Quite a number were also noticed above Streetsville. An old resident reports them as being different in appearance from those he had previously seen in that stream, being darker in colour. He says he observed them closely, and states that they spawned near his farm. They probably were the California salmon. Salmon could also be noticed in the Credit River up to the 12th day of December. The fish were not molested, owing to the activity displayed by the local fishery guardians. Two salmon were seen spawning in Sixteen-Mile creek, and two others in Twelve-Mile creeks.

The fishery laws were generally well complied with. This Overseer was, however, compelled to enforce the law in a few instances. The seines of eighteen fishermen who persisted in fishing without license were seized, and a fish dealer was fined for having in his possession speckled trout caught with gill-nets. The party who caught the fish was also fined.

LENNOX AND ADDINGTON COUNTIES DIVISION.

ALFRED KNIGHT, *Overseer.*

Comparative statement of the yield and value of the fisheries in this division:—

| | 1875. | 1876. | 1877. | 1878. |
|-----------------------|---------|---------|---------|-------|
| Whitefish, brls..... | 46 | 18 | ..... | 5 |
| “ lbs..... | ..... | ..... | 7,800 | 400 |
| “ No..... | ..... | 6,500 | ..... | ..... |
| Trout, brls..... | 8 | 54 | 13 | 2 |
| Herrings “ | 4 | 43 | 10 | ..... |
| Sciscos, “ ..... | ..... | 12 | ..... | ..... |
| Maskinonge, brls..... | 10 | 20 | ..... | ..... |
| Bass, “ | 8 | 14 | 50 | 21 |
| Pike, “ | 52 | 51 | 63 | 44 |
| Pickereel, “ | 92 | 89 | 97 | 52 |
| Coarse fish, “ | 124 | 146 | 69 | 65 |
| Total in barrels..... | 344 | 497½ | 341 | 191 |
| Value..... | \$1,994 | \$3,124 | \$1,896 | \$935 |

PRINCE EDWARD COUNTY AND BAY OF QUINTE DIVISIONS.

CHARLES WILKINS, }
 WESLEY HICKS, }
 A. WELBANKS, }
 WM. PLEWS, } *Overseers.*
 ELI KETCHUM, }
 PETER HUFF, jun., }
 DAVID CONGER, }

Comparative statement of the yield and value of the fisheries in these divisions:—

| | 1875. | 1876. | 1877. | 1878. |
|-----------------------|----------|-------------|----------|----------|
| Whitefish, brls..... | 2,668 | 1,162 | 361 | 1,435 |
| “ lbs..... | ..... | 114,825 | 296,600 | 411,400 |
| “ No..... | ..... | 22,327 | 2,950 | ..... |
| Trout, brls..... | 430 | 853 | 737½ | 587 |
| Herrings, “ | 1,945 | 2,608 | 1,980 | 643 |
| Sciscos, “ | 8 | ..... | ..... | ..... |
| Maskinonge, brls..... | 58 | ..... | 10 | ..... |
| Bass, “ | 24 | 10 | 116 | 20 |
| Pike, “ | 30 | 35 | 73 | 9 |
| Pickereel, “ | 77 | 31 | 248 | 51 |
| Coarse fish, “ | 232 | 1,999 | 1,093 | 2,654 |
| Total in barrels..... | 5,472 | 7,391½ | 6,131 | 7,456 |
| Value..... | \$43,293 | \$49,539.95 | \$42,617 | \$55,021 |

Overseer Wilkins reports a decrease in the catch of fish in that part of the Bay of Quinte under his charge, but attributes the same to the fish following the top of the water and passing above the nets. The fishery laws was not generally well observed; the Overseer being compelled to prosecute several parties. Two complaints for violation of the law relating to saw-dust and mill-rubbish, were also laid before the Overseer, and the mill owners were fined \$20 each on their own acknowledgement of the offence.

The Department appointed three new officers in this division, during the past season, to replace Messrs. John G. Hicks and Wm. Plews, deceased. They report a large increase in the yield of the fisheries, as compared with that of 1877. The catch of whitefish, especially, was above all expectations; fishermen being enabled to carry on fishing for a long period after the expiration of the close season, owing to the mildness of the weather. The close time was well kept, and the fishery laws were generally complied with.

Overseer Conger states that seine fishermen in his division had poor luck. He attributes the cause of this ill success to the gill-nets, which are set miles from the shore, and prevent the fish from reaching the seine hauling grounds.

KINGSTON DIVISION—WOLFE AND AMHERST ISLANDS.

P. KIEL, *Overseer.*

COMPARATIVE STATEMENT of the yield and value of the fisheries in this division:—

| Kinds of Fish. | 1872. | 1873. | 1874 | 1875. | 1876. | 1877. | 1878. |
|--------------------------|---------|---------|----------|----------|---------|---------|---------|
| Whitefish, brls..... | 310 | 151 | 302 | 694 | 256 | 311 | 33 |
| do lbs..... | | 1,500 | | | | | |
| do No..... | | 3,950 | | | | | |
| Trout, brls..... | 554 | 418 | 272 | 325 | 217 | 310 | 51 |
| Herrings, do..... | 12 | 12 | | 12 | | | 14 |
| Pike and bass, brls..... | 77 | 182 | 591 | 317 | 46 | 133 | 18 |
| Pickarel, do..... | 27 | 56 | 110 | 172 | 46 | 142 | 10 |
| Coarse fish, do..... | 166 | 217 | 639 | 647 | 564 | 539 | 355 |
| Total..... | 1,146 | 1,036 | 1,914 | 2,167 | 1,129 | 1,435 | 481 |
| Value..... | \$8,310 | \$8,945 | \$11,100 | \$15,942 | \$7,446 | \$9,741 | \$2,470 |

Fishing in this division was not carried on so actively as usual, and did not prove remunerative to those who were engaged in the business. This result the Overseer attributes to stormy weather and the low prices which prevailed during the fishing season. The close seasons were well observed, no complaint of illegal fishing having reached the Overseer.

PRESCOTT, CORNWALL AND GANONOQUE DIVISIONS.

JOHN MOONEY,
JOHN D. McMILLAN, } *Overseers.*
HUGH THOMPSON,

Overseer Mooney states that the fish are increasing steadily since seine-fishing was prohibited in his division.

Overseer McMillan reports fishing as satisfactory in the district under his charge.

Overseer Thompson says that a large quantity of fish were taken by American tourists with hook and line in his district, and that the fishery laws were strictly complied with.

MUSKOKA DIVISION.

W. M. E. FOOT, *Overseer.*

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876. | 1877. | 1878. |
|---------------------------|--------------|--------------|--------------|
| Whitefish, barrels..... | 8 | 4 | 10 |
| Trout do | 6 | 15 | 15 |
| Herrings do | 18 | 17 | 21 |
| Bass do | | 3½ | 6 |
| Pickrel do | 2 | 3½ | 10 |
| Total barrels..... | 34 | 43 | 62 |
| Value..... | \$240 | \$310 | \$435 |

The number of licenses issued in this division during the season amounts to eighty, against seventy-two in 1877. Only six of these licenses paid fees, the others being granted free to settlers who fish for their own use only. Fines amounting to three dollars were imposed for illegal fishing during the season. This Overseer states he has every reason to be satisfied that illegal fishing is on a decrease and that the close seasons are fairly observed. Thirty-one angling permits were issued during the summer.

LAKE SIMCOE DIVISION.

A. McKENZIE, } *Overseers.*
W. M. HASTINGS,

Comparative statement of the yield and value of the fisheries in this division:—

| Kinds of Fish. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. |
|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Whitefish, brls..... | 60 | | 116 | 124 | 5 | 268 | |
| do No..... | | 4,940 | | | 19,250 | | 7,700 |
| Trout, brls..... | 46 | | 308 | 347 | | 619 | 199 |
| do fresh, No..... | | 2,930 | | | 17,875 | | |
| Herrings, brls..... | 7 | | 30 | 20 | 30 | 40 | 25 |
| Maskinonge, brls..... | | 1 | | | 2 | | |
| Bass and Pike do..... | | 75 | | | 60 | 1 | 70 |
| Pickrel, do..... | | 2 | | | 1 | | 2 |
| Total in barrels..... | 113 | 203 | 454 | 491 | 543 | 933 | 373 |
| Value | \$1,010 | \$1,677 | \$4,390 | \$4,836 | \$5,830 | \$9,100 | \$3,245 |

LAKE SCUGOG DIVISION.

A. J. HARRINGTON, }
JOHN McALLISTER, } *Overseers.*

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876. | 1877. | 1878. |
|--------------------------|----------|----------|---------|
| Maskinonge, barrels..... | 47½ | 120 | 550 |
| Bass, barrels..... | 3 | 2 | 61 |
| Total in barrels..... | 50½ | 122 | 611 |
| Value..... | \$252 50 | \$610 00 | \$3,055 |

The run of fish was unusually fine this season, and the catch far in excess of any previous year. The close times were well observed. Overseer Harrington issued 355 special angling permits, and Overseer McAllister, 378.

RICE LAKE DIVISION.

CHARLES GILCHRIST, *Overseer.*

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876. | 1877. | 1878. |
|--------------------------|------------|------------|---------|
| Maskinonge, barrels..... | 500 | 500 | 400 |
| Bass, barrels..... | 300 | 400 | 600 |
| Total in barrels..... | 800 | 900 | 1,000 |
| Value..... | \$4,000 00 | \$4,500 00 | \$5,000 |

Fishing was about the same as usual. Five hundred and forty-six special angling permits were issued to citizens of Canada during this season. Thirty-three angling permits were also issued to anglers from the States, yielding \$141.00.

Three persons were fined \$25 each for violation of the fishery laws.

PETERBOROUGH AND VICTORIA DIVISIONS.

GEORGE COCHRANE, }
JAMES SUTHERLAND, } *Overseers.*

Statement of the yield and value of the fisheries in these divisions for the years 1877 and 1878:—

| | 1877. | 1878. |
|--------------------------|------------|---------|
| Trout, barrels..... | 50 | 60 |
| Herrings, barrels..... | 5 | 5 |
| Maskinonge, barrels..... | 75 | 289 |
| Bass, do..... | 80 | 188 |
| Pickrel, do..... | ... | 12 |
| Coarse fish do..... | 30 | 50 |
| Total barrels..... | 240 | 604 |
| Value..... | \$1,420 00 | \$3,270 |

The Overseers attribute the increase of fish in this division to the general observance of the fishery laws which is now prevailing. They appear satisfied with the good dispositions of the people in this respect.

CHARLESTON AND GANANOQUE LAKES DIVISION.

DAVID HAMILTON, *Guardian*.

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876. | 1877. | 1878. |
|--------------------------|------------|----------|-------|
| Whitefish, barrels | 2 | 3 | 7 |
| Trout, do | 15 | 9 | 12 |
| Herrings do | 1½ | ½ | ... |
| Sciscos, do | ... | ... | 21 |
| Bass, do | 63 | 46 | 47 |
| Pike do | 68 | 50 | 28 |
| Pickrel do | ... | .. | 11 |
| Coarse fish, do | 203½ | 17 | 13 |
| Total barrels..... | 353 | 125½ | 139 |
| Value..... | \$1,646 50 | \$670 50 | \$777 |

Only three angling permits were issued in this division during the season.

LANSDOWNE, ROCKPORT AND BROCKVILLE DIVISIONS.

JOHN WALLACE, }
 HENRY HUNT, } *Guardians*.
 JOS. L. THOMPSON. }

These guardians report a continuance in the increase of fish, owing to the protection afforded by the fishery regulations.

MISSISSIPPI RIVER AND LAKE DIVISION.

JAMES MCFADDEN, *Overseer*.

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876 | 1877 | 1878 |
|---------------------------|---------|---------|---------|
| Bass, barrels..... | 12 | 18 | 25 |
| Pike, do | 150 | 270 | 360 |
| Pickrel, do | 25 | 25 | 28 |
| Coarse fish, barrels..... | 30 | 70 | 128 |
| Total barrels..... | 217 | 383 | 541 |
| Value..... | \$1,055 | \$1,845 | \$2,577 |

The yield of the fisheries in this division was better than in any previous year. The local officer attributes this to a greater number of men engaged in the business owing to the scarcity of all kinds of work. He also states that people take to fishing through the ice, and that this mode of fishing pays well. Complaints are made against mill-owners for not complying with the law relating to sawdust and mill-rubbish.

MADAWASKA RIVER AND LAKE DES CHATS DIVISION.

JOHN LYON,
 ANDREW TELFER,
 W. L. RUSSELL. } Overseers.

Comparative statement of the yield and value of the fisheries in this division:—

| | 1876. | 1877. | 1878. |
|-------------------------|---------|---------|---------|
| Whitefish, barrels..... | 30 | 50 | 68 |
| Trout, do | 90 | 87 | 83 |
| Sciscos, do | ... | 10 | 30 |
| Maskinonge, do | 35 | 27 | 48 |
| Bass, do | 40 | 66 | 73 |
| Pike, do | 75 | 30 | 111 |
| Pickereel, do | 55 | 63 | 102 |
| Coarse fish, do | 120 | 103 | 228 |
| Total barrels..... | 445 | 436 | 743 |
| Value..... | \$2,705 | \$2,762 | \$4,242 |

Fishing was very good in this division, owing to the strict watch kept by the local fishery officers.

PART 2
TO THE
REPORT OF THE COMMISSIONER OF FISHERIES.

REPORT
ON
FISH-BREEDING

IN THE
DOMINION OF CANADA
FOR THE YEAR
1878.

Printed by Order of Parliament.



OTTAWA:
PRINTED BY MACLEAN, ROGER & CO., WELLINGTON STREET,
1879.

INDEX

TO THE REPORTS ON FISH-BREEDING IN THE DOMINION OF
CANADA, FOR THE YEAR, 1878.

| | PAGE |
|---|------|
| General Report by the Superintendent, S. Wilmot, Esq., on the several Fish-Breeding Establishments in the Dominion..... | 341 |
| Report of Mr. James Nevin, on the Sandwich Fish-Breeding Establishment | 368 |
| Report of Mr. Vibert, on the Gaspé Fish-Breeding Establishment..... | 370 |
| Report of Mr. Mowat, on the Restigouche Fish-Breeding Establishment..... | 371 |
| Report of Mr. A. B. Wilmot, on the Bedford Fish-Breeding Establishment.. | 373 |
| Report of Mr. Isaac Sheasgreen, on the Miramichi Fish-Breeding Establishment | 378 |

FISH-BREEDING.

REPORT OF SAMUEL WILMOT, ESQ., ON THE SEVERAL FISH-BREEDING ESTABLISHMENTS AND FISH-CULTURE IN CANADA, DURING THE SEASON OF 1878.

NEWCASTLE, ONT., 31st December, 1878.

To the Hon. JAMES C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I beg to submit for your favourable consideration the following report, which will relate the general transactions which have taken place during the past year at the several fish-breeding establishments now in operation in the different provinces in the Dominion.

There will be found attached hereto reports from several of the officers who are in charge of these fish hatcheries, and as each of these will treat more particularly of the details therein, I shall, in order to make my general statement as brief as possible, collate from these minor reports, and give as succinctly as may be consistent with the importance of the subject, such information as will lay clearly before you the work performed at each of the nurseries, during the past year.

This information will embody with it an account of the numbers and kinds of young fry that were reared in each of the nurseries during the past season or spring of 1878, and also the several waters or streams in the different provinces into which the young fish were planted. A further statement will also be given of the numbers of fish eggs of various kinds that have been collected and placed in the hatching troughs during the past season or fall of 1878, and of the present condition and prospects of the ova thus laid down and now undergoing the process of incubation at each of the fish-cultural works in the Dominion.

The practical operations in connection with the science of rearing fish by the artificial methods of propagation have been of a more than ordinarily progressive nature in Canada since its first inauguration into the country but a few years ago. The status which fish-culture holds in the Dominion may be said to be second to none in any other country, either on this Continent or in the old world. This very desirable state of affairs for the improvement of a source of great national wealth has been brought about by the liberality of a wise and politic Government, which having within its boundaries all the elements necessary for producing the higher order of fishes, has adopted the now generally acknowledged wise policy of encouraging the science of pisciculture, wherewith to assist nature in the reproduction of more increased supplies of fish food for domestic purposes and for foreign traffic.

This desirable means of "tilling" extensive areas of water is by no means a work pursued in Canada alone, for it is found spreading itself rapidly, from State to State, throughout almost the whole of the territory of the adjoining Republic; and although fish culture was not adopted as a governmental work in any of the States of

the Union till after its practical application in Canada, it has nevertheless made prodigious strides since, quite eclipsing in its onward course any other country in the world. At the present time no less than twenty-seven State Legislatures enact laws and grant aid towards the encouragement and advancement of the science of artificial fish-culture, and the work is being pushed on most successfully under the efficient management of Prof. Baird, the Federal Commissioner of Fisheries, and no less than *eighty-two State Commissioners*. In addition to this individual State jurisdiction for the extension and preservation of their fisheries, an effort is being made to obtain the passage of a law by Congress, similar in its character to the Canadian Act, for the increase and protection of fish in the great lakes. To carry out this, it is proposed to appoint a General Superintendent of Fisheries and sixteen Federal Commissioners, who shall constitute a Board or Fish Commission, who shall have supervision of the fisheries of all the great lakes in the Union.

As a matter of private enterprise, and as a commercial and speculative undertaking, it would be quite impossible to mention here the great number of artificial fish-breeding establishments that are being carried on throughout almost every section of the United States. So general has the traffic in fish-eggs and young fry become that circulars and price-lists of the several kinds are now regularly published in the leading newspapers; and pamphlets and catalogues relating to these fish-nurseries are being widely disseminated everywhere in like manner, as publicity is given to the sale of live stock, cereals, and other commodities of trade.

Whilst Canada stands quite equal, if not foremost, in extending this work in a public or national point of view, as a private enterprise, fish-culture is only just beginning to take hold of the minds of the people of this country; but it is confidently expected, with the success that must attend the few that have entered into it, only a short time will elapse before the industry will become more general, particularly in the rearing of speckled trout; these fish, being local in their nature, can be easily kept within circumscribed limits, and in small preserves, where they readily become a source of pleasure to the angler, and a luxurious delicacy for the table.

The marked success which has already attended the protection of the salmon rivers in Canada, particularly on some of those in the Maritime Provinces, cannot be gainsaid, for it has now become notorious beyond a peradventure that the increase of the catch of salmon within the past few years in the estuary fisheries of the Saguenay, and of the Restigouche Rivers especially, have been known to be more than doubled. In like manner the scores made by salmon anglers in the above mentioned rivers and in their tributaries, have, within the same period of time, become quadrupled in numbers. Upon each of these rivers is located a large fish-breeding establishment, from which *tens of thousands* of young salmon have been turned annually into the waters of these streams and their numerous affluents.

By the above means the Restigouche River has risen to such a standard of excellence that it may be now quoted as one of the foremost rivers on this continent for the numbers of salmon that are netted in its tidal waters, and also for the scores taken by anglers.

A similar record might be given of the improved commercial and angling success in the River Saguenay. Only a few years ago a general outcry was heard from the anglers and net fishermen of the Saguenay that it was useless to lease rivers from the Department for fly-fishing purposes or netting-stands for salmon, as their scarcity was such as not to warrant successful returns from the undertaking. This state of things has now become wonderfully changed. So much so was it the case last season that salmon—from the great numbers which were taken at the tidal fisheries—became almost a drug in the market, selling in many instances at the very low figure of three cents per pound, and it was not unusual to hear statements made by the mere prominent of the angling lessees of the rivers tributary to the Saguenay, that "salmon were, really, too numerous, the pools in many instances being quite overcrowded, so much so that in hooking a fish, and in his wild efforts to escape such a turmoil would be created among the numerous inmates of the pool that a long time

had to elapse before they became sufficiently quieted down to enable the angler to cast his fly again with any degree of certainty for luring another."

Since the commencement of the Tadoussac Nursery up to the present time, upwards of *two millions and a half of salmon-fry* have been deposited in the waters of the Saguenay.

The accounts received from Gaspé with regard to the successful catch of salmon are of a very satisfactory nature also. Here, too, has been erected a breeding-establishment upon the Dartmouth River, one of the three important streams which enter directly into Gaspé Basin and Bay. These rivers have received already a *million and a half of salmon-fry* from this nursery.

It will invariably be found that very successful scores made by fly-fishermen on a river are a sure index of a satisfactory commercial catch of salmon at the estuary fisheries of the stream, and along the adjacent coast; and as it is pretty generally understood that in killing salmon with the fly it is the "exception" only, and not the "rule" therefore when large scores are made by fly-fishermen, it must be taken as conclusive that very great numbers of salmon are "running," and consequently the fishermen in the tidal waters would necessarily have secured correspondingly heavy draughts in their nets below; the numbers thus taken, however, would be in a superlative degree very much greater by comparison than the catch of the anglers up stream. This must be a very reasonable deduction from the fact that the fish killed up river by anglers are an infinitesimally small proportion only of those which have escaped the endless stands of nets that are set all along the lower portions of the river, and in the tidal waters.

To bear out these statements, and also to show the great contrast between the state of the Restigouche at the present time (brought about by protection) to what it was in 1868, when the total catch in the river by anglers was only *twenty salmon*, and the commercial yield *thirty-seven thousand pounds*; the fact may be here related that *one angler alone* (out of the hundreds that were fishing the river in 1878), in sixteen days, killed with his own rod *eighty salmon*, seventy-five of which averaged a trifle over twenty-six pounds each, whilst at the same time the numbers which were being taken by the net-fishermen below, for commercial purposes, were prodigious and beyond precedent, amounting in the aggregate in that one division alone (not counting local and home consumption) to the enormous weight of *half a million pounds* (500,000).

The above is given as an illustration of what may yet be done for obtaining similar results from rivers in other sections of the Maritime Provinces, which at one time were the nurseries for producing great sources of wealth, but have now become almost barren from the effects of over-avariciousness on the part of settlers and others in exterminating the gravid fish on their spawning-beds, and by the erection of dams and other obstructions across streams, which prevent the ascent of the salmon to their natural breeding-grounds. It is alike unnatural, unwise, and impolitic to allow any portion of a community to commit selfish acts, for their individual greed or aggrandisement, which shuts off from the general public a means devised by Providence, in its wisdom, for securing extensive supplies of food and wealth to the inhabitants of a country.

The total number of salmon-fry turned out from the several hatcheries into the rivers flowing into the Gulf of St. Lawrence during the past year amounted to upwards of *five millions*. A large proportion of these, together with upwards of *twenty millions of fish-eggs* secured last fall, would, but for the introduction of fish-breeding establishments, have become wholly lost for reproductive purposes, from the fact that the parent fish from which they were obtained would otherwise have been sold on the markets for consumption.

This clear gain of fish-eggs and fry will be shewn with greater force and clearness when applied to the artificial impregnation of the many millions of whitefish and salmon-trout ova which were vitalised and laid in the hatching-troughs of the Newcastle and Sandwich Nurseries in Ontario.

The *fifteen millions* of whitefish eggs obtained last fall in the Detroit River were wholly taken from the fish after being hauled on shore, and in the act of being carried to the markets; and the same process was applied to the gathering of the ova of the salmon-trout at Collingwood, on Lake Huron.

The benefits resulting from the introduction of artificial fish culture into Canada have not been experienced in the Dominion alone, for its success has also been felt in the neighboring Republic.

This will be shown to be the case in a marked degree by the letters of Professor Baird, United States Commissioner of Fisheries, and Dr. Hudson, of Hartford, appended hereto.

In the early commencement of the salmon-breeding establishment at Newcastle, it was not unfrequently visited by prominent Fishery Commissioners, from several States of the Union, for the purpose of obtaining personal insight into the practical workings of the establishment, previous to commencing similar enterprises in their own country. These inspections were evidently of a satisfactory nature, from the fact that most of the States immediately afterwards commenced operations in restocking their rivers, either by the erection of breeding-houses or by the purchase of impregnated eggs for distribution in their rivers.

The Commissioners from Connecticut obtained several thousands of salmon ova from this nursery, which were put in the Connecticut River. Large numbers of eggs were also procured by other States' Commissioners for a like purpose. Thaddeus Norris, Esq., one of the pioneers of fish culture in the United States, procured several thousand salmon eggs from this hatchery to stock the Delaware and Susquehannah Rivers with. The success of the Connecticut and Delaware ventures will be best understood by the perusal of the following correspondence:—

UNITED STATES COMMISSION,
FISH AND FISHERIES,

WASHINGTON, June 7th, 1878.

MY DEAR SIR,—Yours of the 3rd June is to hand. I have numbers of carp-breeding ponds fitted up in Washington for the purpose, and should I be fortunate in obtaining a supply of young, I will with pleasure send you some of them. I will also do what I can to meet your application for the California salmon.

The results of the experiments in introducing salmon into the waters of the United States are just beginning to appear, over five hundred (500) having been taken in the Connecticut, and large numbers were known to have passed up the river.

About twenty (20) mature salmon have been captured in the Delaware; one of these, weighing 23½ lbs., I have in my possession. I think there is little doubt that these are derived from eggs that Thaddeus Norris purchased from you somewhere about 1871.

I have also a 19 lb salmon from the Susquehannah; but so far no "quinnat" salmon have shewn themselves. I hope to see some of them next year.

Sincerely yours,
(Signed) SPENCER F. BAIRD,

Commissioner.

SAMUEL WILMOT, Esq.,
Fish Culturist,
Newcastle, Ontario.

STATE OF CONNECTICUT

FISH COMMISSION,

HARTFORD, CONN., May 28th, 1878.

DEAR SIR,—Please accept my thanks for report just received.

You may be interested to learn that we are now having a fine run of salmon in the Connecticut River, for the first time in three-quarters of a century. They are the product of a large planting of young fry, made in the upper waters of the river in May, 1874.

Probably about three hundred have been taken, ranging from ten to fifteen pounds in weight, and they are still running in large numbers.

Considerable astonishment has been expressed that all those opened have proved to be males; but I notice that this is in exact accordance with your observations, as printed on page 20 of your report, now before me.

Yours very truly,

(Signed) WM. M. HUDSON.

MR. SAMUEL WILMOT.

In connection with this subject of artificial fish-culture, I desire to draw your attention to the system pursued in carrying on the work at Hünigüe in Germany.

Hünigüe is on the Rhine, and the fish-breeding institution is described "as a gigantic fish nursery and egg depot for the supply of eggs and the disseminating of the art, both in Germany, France and other countries." It is, I believe, the oldest and most extensive establishment of the kind in Europe. It was considered as the centre of the French system of pisciculture, and was erected in 1852-1854 for the breeding and acclimatizing of foreign fish, at a cost originally of £10,607 sterling. From a late English paper, *Land and Water*, I quote the following:—"The returns issued by the Provincial Government at Colmar, concerning the activity of the Imperial fish-hatching establishment at Hünigüe, proclaim the result of the past year's proceedings to be the most favorable since this establishment has come under German management. This result, according to the *German Fishing Gazette*, is accounted for by the greatly increased demand, made for hatched ova, which, on account of the persevering energy of the German Piscatorial Society, have this year been larger than was ever known before."

"The total of fish ova purchased during the period of 1877-78, amounted to four millions, eight hundred and thirty-eight thousand (4,838,000) eggs; consisting of trout, lake trout, salmon, char, corregonus, grayling and hybrid species. The establishment itself produced four hundred and fifteen thousand (415,000) trout, and one thousand (1000) lake trout ova. Nearly three millions of impregnated eggs have been sold, out of which Germany procured to itself for home use, above two millions and a half of eggs; England, one hundred and thirty-two thousand (132,000); France, one hundred and eighteen thousand (118,000); Austria, forty-six thousand (46,000); Luxemburg, thirty thousand (30,000); Switzerland, twenty-seven thousand (27,000); Spain, twenty-five thousand (25,000); Italy, four thousand (4,000); and Belgium, two thousand (2,000). The following fish were also hatched at Hünigüe, namely, five hundred and ninety thousand (590,000) young salmon, distributed as follows: half a million (500,000) in the Rhine; eighty thousand (80,000) in the Saar and Mosel; and ten thousand (10,000) in the Canals passing through the establishment; also, fifteen thousand (15,000) murina fry in the White and Black Lake; and lastly, forty-five thousand (45,000) eels at Mittendorf and ponds at Rixenden.

"The receipts have, in consequence of the extensive sales of ova and fry, been more than double the amount of previous years, whilst the expenses have been about as usual; thus necessitating less subsidy from the German Government than had been expected."

It would appear from the above that the system of obtaining the eggs, and disposing of the fry afterwards by sale, to their own people in Germany, and to foreign countries, is different to that pursued in this country, where the distribution of the young fish into the different public waters of the Dominion is performed by your Department, out of the general funds, with a view to improve the fisheries generally, and to enhance the commercial traffic in fish; and, although the results from the Imperial Fish-breeding Institution in Germany are of a very flattering description, yet, in comparison with the Canadian hatcheries, the returns from the latter appear to be very largely in advance of the former, as will be shewn from the following official statistics collected from the past year's operations, namely:—

The numbers of young fry distributed, and the eggs deposited in the Canadian establishments during the year 1878, (which were all of the higher orders or *Salmonidæ* family) were,—fry turned out in the spring of 1878, *twenty-seven millions, five hundred and eighty-two thousand* (27,582,000), and eggs deposited on the several kinds of hatching apparatus during the autumn of 1878, *twenty-six millions nine hundred and fifty-one thousand* (26,951,000); all of these ova were from the *salmon* tribes also.

These figures combined present a very creditable display of the amount of work performed by the Canadian Fishery Department in re-stocking and improving the fisheries of the country. In the aggregate the numbers of eggs and of fry for the past year amount to *fifty-four millions five hundred and thirty-three thousand* (54,533,000.)

A schedule is here given, shewing the numbers and kinds of eggs and fry at each of the establishments for the past year.

A tabulated form is also given, shewing the number of eggs laid down and fry produced in each year, at the several institutions, since their commencement up to the present time.

TABLE showing Number of Fry and Vitalized Ova in the several Fish Nurseries of the Dominion of Canada, in the Year 1878.

| | Fry distributed in Spring of 1878. | | | | | | Eggs laid down in Fall of 1878. | | | | | |
|-------------------|------------------------------------|---------------|--------------------|-----------------|------------|------------|---------------------------------|---------------|--------------------|-----------------|------------|------------|
| | Salmon. | Salmon Trout. | California Salmon. | Speckled Trout. | Whitefish. | Total. | Salmon. | Salmon Trout. | California Salmon. | Speckled Trout. | Whitefish. | Total. |
| Bedford | 1,400,000 | 8,000 | ..... | ..... | 160,000 | 1,568,000 | 2,250,000 | ..... | ..... | ..... | ..... | 2,250,000 |
| Miramichi | 665,000 | ..... | ..... | ..... | ..... | 665,000 | 1,250,000 | ..... | ..... | ..... | ..... | 1,250,000 |
| Restigouche | 1,015,000 | ..... | ..... | ..... | ..... | 1,015,000 | 1,560,000 | ..... | 25,000 | ..... | ..... | 1,585,000 |
| Gaspé | 750,000 | ..... | ..... | ..... | ..... | 750,000 | 1,650,000 | ..... | ..... | ..... | ..... | 1,650,000 |
| Tadoussac | 707,000 | ..... | ..... | ..... | ..... | 707,000 | 1,375,000 | ..... | ..... | ..... | ..... | 1,375,000 |
| Sandwich ..... | ..... | ..... | ..... | ..... | 20,440,000 | 20,440,000 | ..... | ..... | ..... | ..... | ..... | ..... |
| Newcastle | 600,000 | 650,000 | 35,000 | 20,000 | 1,300,000 | 2,605,000 | 856,000 | 1,840,000 | 1,000 | 144,000 | 15,000,000 | 15,000,000 |
| Total | 5,137,000 | 658,000 | 35,000 | 20,000 | 21,900,000 | 27,750,000 | 8,941,000 | 1,840,000 | 1,000 | 169,000 | 16,000,000 | 26,951,000 |

TABLE showing the Places where, and the Years in which, the several Fish-breeding
down and Fry hatched in each,

| Locality. | 1868. | | 1869. | | 1870. | | 1871. | | 1872. | | 1873. | | 1874. | |
|---------------------|-------|------|--------|------|--------|------|--------|------|--------|------|--------|--------|---------|--------|
| | Eggs. | Fry. | Eggs. | Fry. | Eggs. | Fry. | Eggs. | Fry. | Eggs. | Fry. | Eggs. | Fry. | Eggs. | Fry. |
| Newcastle, Ont..... | | | | | | | | | | | | | 800000 | |
| | + | | 100000 | | 150000 | | 240000 | | 280000 | | | 300000 | | 350000 |
| Restigouche, Que... | | | | | | | | | | | 120000 | | 880000 | |
| | | | | | | | | | | | + | | | 100000 |
| Miramichi, N.B..... | | | | | | | | | | | 300000 | | 1500000 | |
| | | | | | | | | | | | + | | | 60000 |
| Gaspé, Que..... | | | | | | | | | | | | | 200000 | |
| | | | | | | | | | | | | | + | |
| Tadoussac, Que..... | | | | | | | | | | | | | 60000 | |
| | | | | | | | | | | | | | + | |
| Bedford, N.S. | | | | | | | | | | | | | | |
| Sandwich, Ont..... | | | | | | | | | | | | | | |
| Total | | | 100000 | | 150000 | | 240000 | | 280000 | | 420000 | 300000 | 3440000 | 510000 |

N.B.—Artificial Salmon-breeding was commenced in 1865 at Newcastle, Ont., as a private enterprise, by Mr. Wilmot, and adopted as a Government work in 1868.

At Newcastle, the above figures include Salmon, Salmon-Trout and Whitefish.

At Sandwich, they refer only to Whitefish.

At all the other places, the figures show Salmon only.

The + will indicate the year in which the Hatchery was built.

Establishments have been erected, together with the Numbers of Fish-eggs laid annually, since they were built.

| 1875. | | 1876. | | 1877. | | 1878. | | Total. | |
|----------|---------|----------|---------|----------|----------|----------|----------|----------------------|----------|
| Eggs. | Fry. | Eggs. | Fry. | Eggs. | Fry. | Eggs. | Fry. | Eggs. | Fry. |
| 1500000 | | 1750000 | | 3300000 | | 3811000 | | 11191000 3811000 | |
| | 650000 | | 700000 | | 1300000 | | 2605000 | 7350000 | 6375000 |
| 310000 | | 800000 | | 1004000 | | 1585000 | | 4699000 1585000 | |
| | 680000 | | 300000 | | 600000 | | 1015000 | 3114000 | 2613000 |
| 60000 | | 650000 | | 710000 | | 1250000 | | 4470000 1250000 | |
| | 150000 | | 60000 | | 320000 | | 665300 | 3220000 | 1255000 |
| 70000 | | 1200000 | | 750000 | | 1650000 | | 3870000 1650000 | |
| | 110000 | | 50000 | | 1051000 | | 750000 | 2220000 4075000 | 1961000 |
| 200000 | | 1100000 | | 1310000 | | 1375000 | | 1375000 | |
| | 60000 | | 150000 | | 1180000 | | 707000 | 2700000 | 2097000 |
| 600000 | | 1100000 | | 1450000 | | 2250000 | | 5400000 2250000 | |
| + | | | 395000 | | 1000000 | | 1400000 | 3150000 | 2795000 |
| 10000000 | | 10000000 | | 26000000 | | 15000000 | | 61000000 15000000 | |
| + | | | 8000000 | | 8000000 | | 20440000 | 46000000 | 36440000 |
| 12740000 | 1570000 | 16600000 | 9655000 | 34554000 | 13451000 | 26951000 | 27582000 | 94705000 26951000 | 53838000 |
| | | | | | | | | 67754000 | 53838000 |

 TRANSACTIONS AT THE SEVERAL FISH NURSERIES IN THE DOMINION
 DURING THE YEAR 1878.

PROVINCE OF QUEBEC.

TADOUSSAC FISH-BREEDING ESTABLISHMENT.

I visited this hatchery in the month of August last, and found the premises throughout in the usual neat and orderly state, so characteristic of Mr. Radford, the efficient officer in charge.

Upon inspection it was found that the foundation sills on one side of the hatching house, from constant exposure to moisture, and the want of sufficient circulation of air, had become very much decayed, and quite unsafe to sustain the great weight of the superstructure. Fearing that serious consequences might ensue at a time, too, perhaps, when the eggs would be in the process of hatching, I caused the decayed sills and portions of the floor to be removed, and to be replaced by new material. The greater part of this work was performed under my own supervision, leaving the final completion of it to the oversight of Mr. Radford. Some slight alterations were also ordered to be made in connection with the tanks.

The general arrangements throughout the building, together with the cleanly and orderly manner in which the troughs, trays, and other apparatus were kept was most satisfactory; in fact, the whole establishment with its surroundings gave unmistakable evidence of the great care and personal oversight which have been given to the premises by Mr. Radford.

My attention was drawn to the necessity of building a more permanent dam across the very narrow passage leading from the little lake above to the small feeding pond which supplies the hatchery. This is of vital importance to the welfare of the nursery in order to prevent the possibility of a failure of water for the hatching troughs during the winter when the ova are undergoing the process of incubation.

The enclosed cove or reception pond for the parent salmon was safely arranged for the security of the large number of fine healthy looking fish that were enclosed in it; a stock of *two hundred and fifty* salmon had been previously obtained and safely conveyed to this very snug and highly attractive enclosure.

The success attending the hatching out of the *million and a quarter* of eggs that had been deposited in this nursery during the fall of 1877, was reported to be most satisfactory. The young fry, during last May and June, were deposited in many of the rivers and streams in the Saguenay District. The officer in charge reported the fry to have been satisfactorily conveyed and planted in the several localities selected for them, namely:—

Ste. Marguerite, Petites Isles, Anse St. Joan, Anse à Cheval, A-Mars, Petit Saguenay, Du Sud, St. Thomas, and Jacques Cartier Rivers—

The number of eggs procured at this establishment during last fall was considerably in excess of any former year. *One million three hundred and seventy-five thousand* (1,375,000) were placed on the hatching trays at Tadoussac; in addition to these a large number (for the want of room for them in the troughs) were impregnated and planted in some of the tributaries of the Saguenay.

| | |
|---|-----------|
| The total number of salmon fry distributed from Tadoussac nursery during the spring of 1878 was | 707,000 |
| The total number of salmon eggs laid down there during fall of 1878..... | 1,375,000 |
| Grand total of salmon fry turned out since opening of establishment..... | 2,600,000 |

GASPÉ FISH-BREEDING ESTABLISHMENT.

The operations at this hatchery during the past year were of a much more satisfactory nature than formerly. This pleasing result has, no doubt, been achieved by the greater amount of experience which has been gained by the employees engaged

at the works. Mr. Vibert, the officer in charge, reports everything in connection with the building and ponds to be in a very satisfactory condition. Besides the ordinary work in connection with renovating the interior of the hatchery, and cleaning and varnishing the trays, the whole exterior of the building has been coated with fire-proof paint. Some improvements were also made since last year in strengthening reception pond No. 2; a railing was also placed along the dam of pond No. 1.

These receptacles for keeping the parent fish in, have now proved to be well adapted for the purpose, particularly pond No. 2, the area of which is not by any means large; facilities, however, are afforded by which the salmon can partake of a constant, though somewhat limited, flow of fresh water, which runs over the bed of a small stream. Here it has been most satisfactorily demonstrated that with the exercise of care in the capturing of fish, and in the conveyance of them in properly constructed scows to their destination, no losses need occur; and it is further to be noted that, at the Gaspé establishment, the parent salmon were caught in their first "run" up the river in June and July, and immediately taken to these small ponds; in one of which *two hundred and thirty-two salmon*, averaging well on to twenty pounds each were safely retained till the latter end of the month of October; when they were spawned and returned to the river in a healthy state, a loss of only four fish taking place during the whole season.

The officers, in carrying out this work at Gaspé, have most implicitly complied with the instructions given to them for the performance of the critical work of capturing the fish, and carefully conveying them to the ponds in the vessels specially ordered and prepared for the purpose. The experimenting of novices and theorists has not been indulged in here, as was the case at the Miramichi works, where, from disobedience of instructions in years previous to the last, the results proved to be of a most disastrous nature.

Seven hundred and fifty thousand (750,000) salmon-fry were reared in this nursery during the spring of 1878, and under Mr. Vibert's supervision, were distributed in the Dartmouth, York and St. John Rivers, which empty in Gaspé Bay; and others were transported to the Malbay, Grand and Pabos Rivers, in the Bay des Chaleurs. The success in removing all the young fry was said to be very great.

Operations for taking a supply of parent fish for this establishment commenced on the Dartmouth River the latter end of May, and terminated most successfully by the end of July, in the capturing of 232 salmon; seventeen more were purchased from fishermen, making a total of 249; of this number, 155 females and 86 males. A total of 241 fish were manipulated in October last, and produced the large number of *one million, six hundred and fifty thousand eggs (1,650,000)*, or an average of 10,650 from each female. This very abundant crop of eggs were, from the last accounts received from Mr. Vibert, most healthy, and progressing very satisfactorily. Hitherto this establishment has been laboring under extremely great disadvantages from the unwillingness of the fly-fishermen to permit parent salmon to be taken in the rivers leased by them at Gaspé. This great drawback to filling the Gaspé Nursery with eggs in former years has militated very seriously against greater success, which would otherwise have attended operations there.

Having drawn the attention of your Department to this subject in previous reports, I am now pleased to learn that the Dartmouth River (upon the banks of which the establishment is erected) will in future be reserved wholly for the use of the hatchery.

This wise determination of your Department will place the Gaspé establishment in such a satisfactory position as will enable it to fully develop the objects for which it was originally built, and for which it was located on the Dartmouth River, namely: convenience for procuring a supply of eggs, and for transporting fry from it to other parts of the Gaspé District.

| | |
|---|-----------|
| Total of fry distributed from this Nursery in the spring of 1878..... | 750,000 |
| Total of eggs laid down in Nursery during fall of 1878, | 1,650,000 |
| Grand total of young salmon distributed from this Nursery since its commencement..... | 1,960,000 |

RESTIGOUCHE FISH-BREEDING ESTABLISHMENT.

In my report of last year I drew attention to the necessity for works of a more extended character being required on the Restigouche River. The building there being considerably delapidated, and having insufficient accommodation for the actual requirements of the situation has, this season, become seriously defective in its structure; and for the lack of sufficient room for the larger number of ova procured last fall over previous years, doubts are entertained by the officer in charge whether sufficient space will be afforded for the safety of the young fry when hatched out.

The importance of the Restigouche River as a feeder to the extensive salmon fisheries of the Bay des Chaleurs, would warrant the construction of an establishment with a capacity for laying down, at least, five millions of salmon ova. It would be almost impossible to form an adequate estimate of the vast amount of wealth procurable by the utilization of this magnificent river, with its numerous tributaries for the rearing of young salmon, both by the natural and artificial methods of propagation. Its immense area of the purest of water, taking its rise in the far interior of an almost uninhabited section of the country, and flowing through innumerable tributary streams and brooks till it reaches the tidal waters, gives unlimited space and abundant supplies of food for the growth and sustenance of the young fry, before passing down to the sea. These great natural advantages call forth the urgency of husbanding on the most extensive scale this prolific nursery for wealth.

The benefits already arising from the protection and stocking which have been given to this river of late is a sure guarantee of what mighty results would be derived from it, if the same policy were carried out on such an enlarged scale as might be both easily and cheaply accomplished.

Mr. Mowat, the officer for this division, reports the paramount necessity that exists for utilizing the great breeding capacity of the Restigouche, which it naturally and geographically possesses for the enhancement of the value of the commercial fisheries below, and recommends the construction of an establishment upon such a basis as would be commensurate with the requirements of that section of the country.

With these views I fully coincide, and would strongly urge upon your Department the importance of carrying out the project by commencing operations for its accomplishment forthwith.

By instructions from your Department in 1877, Mr. Mowat was ordered to build a reception pond at some convenient point up the river, where facilities would be afforded for easily catching a supply of parent fish.

The Indian House Brook (and pool alongside) was selected by that officer as possessing greater advantages than any other place. A substantial dam has been built across the brook, forming a commodious pond which is capable of safely keeping a large number of salmon through the season till ripe for spawning. This spot has also great natural advantages as an eligible site for successfully carrying on the work of artificial salmon-breeding on a very extensive scale.

The operations at the Dee Side nursery on the Restigouche last spring were quite satisfactory. After transferring to the Miramichi hatchery, two hundred thousand (200,000) vitalized eggs, upwards of a million fry were hatched out from the stock of eggs secured the previous fall.

These young fish were put into the Restigouche, Cascapedia, Metapedia, Upsalquitch, Amqui, Causapsca, Little Nipissiquit, Bonaventure and Little Cascapedia Rivers.

The plan I suggested to Mr. Mowat of transporting several hundred thousand fry at a time in a boat or a scow prepared for the purpose, by allowing a free current of water to pass through it and amongst the little fish which were divided off into compartments, answered admirably. In towing this vessel up stream, sufficient water was let into the upper end, or bow, through perforated zinc screens, and running freely through the entire length, gave a constant supply of pure aerated water for the fry.

In this manner they were carried long distances up river without any loss whatever until the cargo was wholly disposed of. This was done by throwing the fry

over-board at proper intervals, in thousands here and there, in well selected spots, both in the main river and in many of its tributary streams.

The number of parent salmon captured last season to supply the Restigouche Hatchery with eggs and milt was two hundred and seventeen (217). Of these, one hundred and thirty-nine (139) were females and seventy-eight (78) were males. The quantity of ova procured and laid down in the hatching trays amounted to one million five hundred and sixty thousand (1,560,000). The percentage of vitalized eggs is reported to be extremely large, and these were, from latest accounts, in a healthy and satisfactory state. The officer in charge is, however, very anxious to be relieved of a quarter of a million of his stock, fearing that, when hatched out, the fry will be too over-crowded in the limited space of the old breeding-room.

An effort was made to procure a quantity of speckled trout ova from the Restigouche (where these fish abound), with the view of transferring them to Ontario for general distribution when hatched out. Operations, however, were not commenced in time by Mr. Mowat, consequently, a supply of eggs were not obtained.

It is proposed to overcome this difficulty next season by catching a lot of parent trout during the early season and retaining them in the ponds (in like manner as the salmon) till ripe for manipulation.

| | |
|--|-----------|
| Total number of fry put out from Restigouche-nursery in the Spring of 1878..... | 1,005,000 |
| Total number of eggs laid down in fall of 1878..... | 1,585,000 |
| Grand total of salmon fry distributed from this nursery since its commencement..... | 2,615,000 |

PROVINCE OF NEW BRUNSWICK.

MIRAMICHI FISH-BREEDING ESTABLISHMENT.

This institution was visited by me in July last, under very propitious circumstances, on account of the presence there at the same time of your Commissioner of Fisheries, whose duties had called him to the Miramichi District.

Notwithstanding the knowledge which I had obtained previously by my own personal inspection, and through other sources of a most reliable character, concerning the misfortunes that occurred the season previous in the loss of parent salmon, and consequent reduction in the supply of eggs for this establishment, I considered it of importance that your Commissioner should also ascertain if possible the real causes of the disaster, by personal enquiries, and by inspecting the hatchery, and its appliances which were originally arranged for successfully carrying on this fish-breeding establishment.

I will not here pre-conceive the conclusions the Commissioner arrived at from this visit to the Miramichi hatchery; but I may state this, that upon examining the boxes or crates in which the salmon were brought down the river to the ponds, they were *unhesitatingly condemned* as being the most perfect "salmon killers" that could well be contrived. "The roughness of their construction, jagged edges," and sharp splinters of wood with the points of nails or spikes projecting through the inside, were sufficient, if not to kill the fish outright on the journey down, at any rate to bruise them so as to leave no cause of doubt why "large blotches of fungus appeared on their bodies," and that they should have "sickened and died."

After making the closest inspection of the buildings, dams, apparatus, and all other appliances in connection with this establishment, I was unable to discern any really serious defect either in the location, the construction of the works, or in the appliances belonging to it, or in the general adaptability for its special work.

Although the institution has undoubtedly met with serious drawbacks to success previous to the past year, from want of forethought and lack of judgment on the part of previous caretakers, and of others, and from disobedience of instructions; yet, notwithstanding all this, its present position and future prospects are very satisfactory indeed.

It has been alleged by those who are grossly and childishy ignorant of everything that pertains to the working of such an establishment, that its whole conception as to place, construction, and convenience was formed in error, that the water was unsuited for fish-breeding, and that poisonous sedimentary matter was engendered in the stream, by which the objects for which the institution was built, would prove absolutely abortive.

But, after all, the sequel has proved the very reverse, and if viewed in the light in which experts in the science of fish-culture would pronounce it, the Miramachi fish-breeding establishment will, at the present day, bear a fair comparison with any other institution now in operation for similar purposes on the Continent of America.

From the manner in which Mr. Sheasgreen has complied with instructions given to him during the past year, and from the careful application which he has lately given to all matters in connection with the Miramichi Hatchery, a more pleasing record of operations will, I trust, be shown in the future. In the rearing and distribution of the fry last spring, and the more successful handling of the parent fish, and gathering of eggs last fall, results have been quite creditable and altogether satisfactory. This is the more pleasing for me to relate in reference to this officer now, because formerly it became my duty to pass censure upon him and others in relation to misfortunes which befell that establishment.

The parent salmon for stocking this nursery were captured, as in former years, near the head of the tide-way of the Miramachi River, and conveyed to the pond at the nursery in cribs or scows, without any serious loss. The number taken was three hundred and eighty-eight (388); of these two hundred and eighteen (218) were males, and one hundred and seventy (170) females. The latter, when stripped, gave one million (1,000,000) eggs, or an average of six thousand (6000) each. These were placed upon the metal trays in the hatching troughs.

An additional supply of two hundred and fifty thousand ova was transferred to this nursery from Bedford, where it was considered advisable that the excessively large stock of eggs should be reduced. The latest reports from Mr. Sheasgreen are:—"Eggs all doing well;"—"No difference in any of the troughs, they appear all alike;"—"All in connection with hatching-house going on well;"—"Can see signs of life in the first eggs laid down."

The stock of salmon fry reared from the eggs of the previous year was reported to be six hundred and sixty-five thousand (665,000.) These were planted in lots varying from twenty thousand (20,000) to one hundred thousand (100,000), in the following rivers in the Province of New Brunswick, namely:—North-West, Main South-West and Little South-West Miramichi Rivers; also, the Black, Shediac, Tabusintac, Sevogle, Bartibog, Burnt Church, Salmon and Canaan Rivers.

The account given by an officer sent specially from Ontario to the establishment during the season of hatching and distribution of the fry, was: "That the eggs, some six hundred and fifty thousand (650,000), were shortly afterwards hatched into a like number of healthy fish, and when the fish were ready for distribution, I saw that they were distributed according to instructions and in good order."

This officer, after a full examination of the building and premises during a month's stay, says:—"Generally speaking, I found things in good order. I have been seven years under instructions; I have laid down eggs in the Sandwich House, the one on the Saguenay River, the Newcastle House, and also visited the house on the Restigouche River, and I consider that the Miramachi House is equal to any of them, so far as regards the hatching of fish. I believe, if the Superintendent's explicit instructions were more thoroughly carried out, the losses would be much less."

| | |
|---|-----------|
| Total of salmon fry turned out of this establishment in spring of 1878..... | 665,000 |
| Total number of eggs laid down in fall of 1878..... | 1,250,000 |
| Total number of fish turned out since commencement of works..... | 1,255,000 |

Mr. Parker's report of his doings at Miramichi is herewith appended :—

NEWCASTLE, ONT., 31st December, 1878.

W. F. WHITCHER, ESQ.,
Commissioner of Fisheries.

SIR,—Under instructions from the Superintendent of Fish Culture, I proceeded, on the 7th May last, to Miramichi, for the purpose of ascertaining the state of affairs at the breeding-house there, and of rendering the care-taker any assistance or advice that I considered necessary.

Generally speaking, I found things in good order. The fish had just commenced hatching, and the whole of the eggs, some six hundred and fifty thousand (650,000), were shortly afterwards hatched into a like number of healthy fish. This house, being well supplied with water, is capable of hatching double this number of fish.

While I was there (until the latter part of June), I watched all the different changes of the stream during both high and low water, and, so far as I could observe, there was but very little sediment came down the stream, much less than in most streams throughout the country.

One rain will bring down more sediment in a creek in Ontario, than I saw during my whole visit at Miramichi.

When the fish were ready for distribution, Mr. Sheasgreen attended to the house, and I saw that the fish were distributed according to instructions, and in good order.

I thoroughly examined the reception pond, and consider it well adapted for the purpose for which it was laid out. I found that the upper part had a gravelly bottom, and the lower part a sandy one, with a good living stream of water flowing constantly through it. As for size, it is capable of containing eight hundred (800) parent fish.

It has been rumoured that a large proportion of the parent fish die after being placed in this receptacle; some say on account of the badness of the water. From this opinion, sir, I beg to differ, as I consider it is from the way the fish are handled during their conveyance to the pond.

Mr. Sheasgreen (a brother of the officer in charge) says that he has seen them drawing them up one of the slides with a horse and stick half way up, and the fish lying partly dry and knocked about on the rough made cribs they use for transporting them. Consequently, the fish get badly bruised before reaching the pond. When they get thus injured, there is a growth of fungus begins upon the bruises, and under these conditions the fish soon sicken and die.

I have been over seven years under instructions of S. Wilmot, Esq., the Superintendent of Fish Culture. I have laid down eggs in the Sandwich House, the one on the Saguenay River, the Newcastle House and also visited the house on the Restigouche River, and I consider that the Miramichi House is equal to any of them so far as regards the hatching of fish.

Four years ago last fall, I laid down the fish-eggs (one and a half million) in the Miramichi House. We had three hundred and seventy-five (375) parent fish in the pond, and I got them into the reception house without much difficulty, spawned them, and released them without any loss. I believe, that if the Superintendent's explicit instructions were more thoroughly carried out the losses would be much less.

Mr. Hogan, who got the fish up the river, and Mr. Sheasgreen gave me an account of the number of fish that were put into the pond and the reception house. Mr. Hogan's own account given to me, is as follows :—

“Started men to get salmon for hatching house; set net September 3rd; on the 4th we had 17 fish, on the 5th 15 died. Went on getting fish.”

| | | |
|-----------|-------|------------------------|
| September | 15th, | put 20 salmon in pond. |
| do | 17th, | do 70 do do |
| do | 22nd, | do 30 do house. |
| do | 26th, | do 50 do do |
| do | 29th, | do 70 do do |
| October | 5th, | do 49 do pond. |
| do | 16th, | do 85 do house. |

Two hundred and thirty-five (235) put in house and one hundred and thirty-nine (139) put in the pond; total three hundred and seventy-four (374).

I desire to say something about the different kinds of trays in the Miramachi House because some people lay blame for killing the eggs to them. There are zinc trays covered with varnish, also wire trays. Both these kinds of trays are used at Newcastle in Ontario, and at Restigouche, Saguenay, Gaspé and Sandwich, and I do not know any difference in them.

It is impossible for any injury to come from any of these trays after being covered with parrifian varnish. I have used them myself for seven years and know this from long experience in trying them. Mr. Sheasgreen had some of the earthen trays. They are very clumsy to handle, and take up twice the room of the other trays in the troughs. The eggs at the Miramachi house were put on all the trays, zinc, wire and earthenware, and I did not know the difference with the eggs on any of the trays. The fish hatched out on them all alike. There was some little difference with the eggs that came from the Restigouche River. I attribute this to their being carried a long distance.

I noticed the head of water, and the quantity running into the house. There was plenty water coming into the house to hatch over a million of fish.

There are three pump logs of two-inch holes each to carry the water into the house to supply about sixteen troughs. There is a head of three or four feet above the level of the troughs at the feeding pond. This should give a very large supply of water for the eggs.

The Newcastle fish house in Ontario is fed with two three-inch holes with about six inches head, and feeds forty troughs with one inch outlet pipes to each trough, so that there cannot be any want of water at the Miramachi house if the pipes and dam are kept clean and tight.

I got home from New Brunswick in the end of June. My account for expenses and travelling will be found herewith.

I have the honor to be, Sir,

Your obedient servant,

(Signed) WM. PARKER,

Caretaker Newcastle Fish-Breeding Establishment.

PROVINCE OF NOVA SCOTIA.

BELFORD BASIN FISH BREEDING ESTABLISHMENT.

This nursery has given very satisfactory results in the great number of salmon fry which have been turned out from it since its commencement. As this is the last establishment built it necessarily possesses advantages resulting from the experience gained at all the others.

The officer in charge gives in his report a statement in detail of the manner and the places in which the parent salmon were taken to supply this nursery with eggs.

It is mentioned that forty-two salmon were captured in the Sackville River just along side of the nursery; the remainder were taken in the Musquodoboit, Phillip, and West Rivers. The distance of these last mentioned rivers from the hatchery necessitates considerable trouble and expense in the process of capturing and "penning up" the fish till ripe for spawning; also, in the carrying of the ova from these receptacles or ponds by railway to the hatching house. The Sackville River having given forty-two parent fish this year, may be looked forward to for yielding the whole supply in a few years hence.

A number of the eggs of the whitefish and salmon-trout were sent to this establishment from the Newcastle hatchery in Ontario. These were successfully hatched out and put into some of the interior lakes of Nova Scotia.

The immense number of lakes throughout this Province offer great advantages for producing supplies of fresh-water fishes of the better kinds, such as whitefish and salmon trout. These being indigenous to nearly all of the lakes in Western Canada, would no doubt, thrive well in the pure cold water of the lakes in Nova Scotia.

The project of stocking these waters with a more valuable fish than those which now inhabit them should be vigorously carried out.

The total number of salmon taken to supply the Bedford nursery with eggs was four hundred and seventy-six (476), of these three hundred and fourteen (314) were females, and one hundred and sixty-two (162) males. The females gave an average of eight thousand (8000) eggs each; the gross number of ova reported to be produced being *two million five hundred and twenty thousand* (2,520,000).

Two hundred and fifty thousand (250,000) of these were transferred to the Miramichi nursery, where sufficient hatching room was open for them, whilst at Bedford the stock yet on hand of two million and a quarter would, I fear, still cause overcrowding; although the officer in charge says that "the establishment has ample room for the accommodation of three millions of salmon ova and one million of whitefish ova." Should success attend the hatching out of this very large stock at Bedford it will be very gratifying.

I am unable to give particulars of the state of the ova at Bedford at present, except through the medium of a copy of Mr. A. B. Wilmot's annual report of the 31st December last, in which he says "appearances warrant me in predicting a hatching of at least two millions of young fry next spring."

The number of salmon fry hatched out last spring was very large, being as per report of distribution, *one million four hundred thousand* (1,400,000.) This would show a yield of about ninety-six and a-half (96½) per cent. from the eggs laid down during the previous fall. As this percentage could not be produced under any circumstances, an error either in the count of the ova or of the fry, must have occurred.

On account of the great facilities afforded by the numerous lines of railway running through Nova Scotia the fry have been distributed throughout a very large portion of the Province. Thirty-five rivers in the Counties of Halifax, Hants, Cumberland, Colchester, Pictou, Annapolis and Lunenburg received quotas of young fish varying from twenty thousand (20,000) to one hundred and twenty thousand for each river. The whitefish, one hundred and fifty thousand (150,000), and salmon trout, eight thousand (8,000), were put in Grand Lake, Lily Lake and Sandy Lake, all in Halifax County, and one lot of twenty thousand (20,000) whitefish was distributed in Folly's Lake in Colchester County. The general success in the transportation of the fry was considered most satisfactory.

The building tanks and apparatus of all kinds, together with the outside arrangements in connection with this establishment, are reported by the officer in charge, all in first class condition.

| | |
|--|-----------|
| Total salmon fry turned out of this nursery in spring of 1878..... | 1,400,000 |
| Total of salmon trout, do..... | 8,000 |
| " whitefish, do..... | 160,000 |
| Total number of salmon eggs laid down in fall of 1878... | 2,250,000 |
| Total number of young fish turned out since commencement of works..... | 2,795,000 |

PROVINCE OF ONTARIO.

NEWCASTLE FISH-BREEDING ESTABLISHMENT.

Here, during the past season, operations have been carried on upon a more extensive scale than in any former years, both in the number of eggs laid down and in the quantity of fry hatched out. It will be unnecessary to give particular details

at this time in relation to this establishment, as they have been so fully described in former reports. No particular improvements have been made to the nursery or premises, neither have there been any experiments made, nor apparatus invented which would call forth any special remarks. Everything in connection with the internal arrangements and the breeding apparatus is in first-class condition, and working with the utmost satisfaction. The external works are also in good order.

One improvement is, however, necessary to be carried out during the coming season, namely, to re-arrange and permanently build the lower portion or foundation of the reception house, where the parent salmon are kept. Part of the building, after several years exposure, is becoming badly decayed and is causing the upper portion of the house to get displaced, and if not remedied next summer by a small outlay, will by remaining longer in this state, entail considerable expense in the re-erection of a new reception house. The necessary cedar timbers have already been purchased; it only therefore requires an expenditure for labour to excavate the foundations and raceway and lay the timbers down.

From the stock of eggs deposited in the hatching troughs of this establishment in the fall of 1877, the percentage which produced fry was very satisfactory.

These were distributed over a very large extent of country. The young salmon amounting in number to *six hundred thousand* (600,000) were principally put into streams in Ontario; others were sent to the Province of Quebec, and a considerable number were dispatched to England, and also to the United States.

The distribution for Ontario was made in Wilmot's, Barber's, Duffin's and Grafton Creeks; in the Trent, Saugeen, Rouge, Humber, and Credit Rivers. Deposits were also made in the following lakes:—Ontario, Balsam, Clear, Sandy, and Cushog.

Those for Quebec were sent to North River and Magog River. A lot was also sent to the Adirondack Lakes, in the United States. Several thousands were forwarded to the estates of Lord Exeter, in England, and upwards of forty thousand (40,000) were taken by the hands of Mr. Begg for distribution in England and Scotland.

The California salmon fry, thirty-five thousand (35,000) in number, were all put in streams in Ontario; and the young salmon trout, six hundred and fifty thousand (650,000), were principally placed in Lake Ontario. Balsam, Clear and Sandy Lakes also got a fair supply, and a number were sent to Magog Lake in Quebec, and to Bedford, Nova Scotia. Several thousands of the ova of these fish were also sent to England.

Upwards of a million of the whitefish fry raised here were planted in Lake Ontario, and the balance of three hundred thousand (300,000) were sent in the egg form to Nova Scotia and England,

It would be absurd to report that all of these fry and eggs were distributed without losses or mishaps of any kind, for it would be quite impossible to perform the extremely critical and laborious undertaking of transporting to long distance in cans or barrels by waggon and railway the enormous number of *nearly three millions* of little delicate creatures like fish fry without misfortunes taking place on some of the longer and more tiresome journeys; but it is, nevertheless, a matter of congratulation that this service was performed with an astonishing amount of safety.

CALIFORNIA SALMON.

It is to be regretted that the consignment of salmon eggs, made by Professor Baird to your Department, from the McLeod River in California, should have arrived in such an unfortunate condition as to prove worthless, with the exception of a thousand or so.

From the correspondence entered into with Prof. Baird and Livingston Stone, Esq., Assistant Commissioner, to ascertain the cause of the disaster, no clue has been found how, or in what part of the route it occurred. With consignments of this kind, in future, a special messenger will be despatched to meet the eggs on arrival of the Pacific cars at Chicago, to see to their safety till they reach this establishment.

SPECKLED TROUT.

A number of speckled trout eggs were laid down here, which were obtained from the Tadoussac Nursery, on the Saguenay River, and they are all doing remarkably well.

It is proposed to collect a very large number of trout ova another year, both at the Saguenay and Restigouche establishments, to be forwarded to this nursery with a view to general distribution throughout Ontario, where in many localities these fish have become exceedingly scarce, and in many of the streams in the older settled sections quite extinct.

It might not be considered advisable to distribute the trout-fry gratis, as the greater portion of the streams and ponds in the settled parts of Ontario have become private property; but as the demand is now becoming very great for supplies of these fish, the trifling charge that would be made for covering the expense of transporting the eggs and hatching out the fry, would be readily paid by the numerous applicants that would want them, if it were publicly known that they could get them in this way.

SALMON-TROUT.

A very large quantity of the ova of the salmon-trout (*salmo amethystus*) were obtained in the neighbourhood of Meaford and Thorndale, on Lake Huron.

The collection of these eggs is attended with a great deal of risk and trouble, as they are taken from the salmon-trout after being captured in gill-nets in the open lake, which at the spawning season is generally rough and tempestuous, being in the month of November, when cold inclement weather prevails. On this account the stripping of the fish and the impregnation of the eggs becomes not only a difficult and disagreeable work, but also a very precarious one in the percentage of eggs that may become vitalized. Therefore the same reliance cannot be placed upon a satisfactory impregnation of salmon-trout ova as with other kinds of fish eggs where greater facilities are afforded for carrying out the work.

One million eight hundred thousand (1,800,000) were collected, and notwithstanding the difficulties above alluded to, and the carriage of them by railway from Collingwood to Newcastle, fully sixty per cent. are now showing the embryo within them, and, judging from present indications, the number will be but slightly reduced at the time of hatching out.

The salmon-trout are, perhaps, at the present time the most valuable fish taken in the great lakes, and should be very closely cared for at the spawning season, with the view to continue a regular supply for the future in the markets of the country. The traffic in these fish is now very considerable, and the demand is constantly increasing. This calls forth extra energies to capture them on the part of the fishermen.

Hitherto this business has not been so systematically carried on, either by the most improved modes of taking the fish, or the employment of much capital. But during the past year or so companies have been formed with large capital, employing skilled fishermen, and using machinery of the most improved description for the methodical capture of the fish—in fact, the greatest skill and ingenuity is brought to bear that will best repay the investment put into the enterprise.

The great demand for fish food of this superior kind, and the best schemes being devised to supply the market with it, will soon tell very seriously indeed upon its natural production, unless reasonably restricted by Departmental regulations, and by the strictest observance of the proper close seasons, in which these fish may be permitted to deposit their eggs in their natural spawning grounds unmolested.

It is extremely unwise to gratify the ambitious desires and avarice of a certain portion of the community (whose only object is speedy gains for the present) out of this source of national wealth, and thereby seriously injuring this industry and shortly exterminating it, when it might otherwise be made to last indefinitely, and

be made the means of supplying employment, food and riches to the inhabitants for generations to come.

Should this determined desire (by fishermen) to "kill and" (the public to) "eat" pregnant, gravid fish continue and be unrestricted, the only means left open would be to assist nature by saving from total destruction a proportionate amount of the reproductive qualities of the fish thus unnaturally slaughtered; by extensively employing artificial methods of propagation; by the erection of such necessary hatching establishments at points where these fish are numerously caught, and in which the eggs, after being taken from the fish and impregnated, could be laid down and properly cared for till hatched out, and the young fish returned to the waters where (had the parent fish not been destroyed) they would have been brought forth naturally.

In this way millions upon millions of the eggs now irretrievably lost might be made to yield a large percentage of living fry. The practicability of carrying out this industry is now beyond all cavil, as shown from the results already achieved, not only in Canada, but throughout the civilized world.

Salmon.

Eight hundred and fifty-six thousand (856,000) eggs of salmon were deposited in the hatching-troughs of the Newcastle Nursery last fall. These, although progressing very satisfactorily now, have not equalled the standard of some other years in their healthy character. The embryo is quite discernable at the present time, and promises well for an abundant crop of fry next spring.

The quantity of eggs laid in the natural way in the bed of the stream during the past autumn, judging from the great numbers of salmon engaged in the work, must have been immense. The unusually high water caused a more than ordinary "run" of salmon to ascend the stream. These fish were unceasingly engaged in laying their spawn on the gravel beds during the continuance of the freshet. With the subsidence of the high water the fish also descended to the lake, leaving the unmistakable marks of their labor in the numerous "nests or beds" of uprooted gravel, which they had displaced in the act of laying their eggs and covering them up. These spawning-beds were continuous throughout the length of the stream, from the breeding-house to the lake. Tens of thousands of the eggs must have been laid in this way.

Whitefish.

A million of the ova of the whitefish, "*Coregonus Albus*," were put into the patent hatching-cans here. These eggs were got from the Sandwich Nursery and are doing remarkably well, the embryos being plainly visible in them.

Arrangements were made for the laying down of ten millions of these eggs here, but difficulties arose which prevented the anticipated number being secured on the Detroit River. Arrangements are in progress by which a quantity even in excess of the ten millions will be secured for this establishment next autumn. The eggs now on hand will become fry about the middle of March, when they will be turned into Lake Ontario.

One million three hundred thousand (1,300,000) young whitefish were hatched out here last spring, and distributed in the waters of Lake Ontario and other lakes in this Province. A number were also sent to foreign countries.

At the commencement of the undertaking to hatch whitefish by artificial means, it was considered the most hazardous enterprise in fish-culture; the very small size of the eggs, and the difficulty of handling them for cleansing purposes entailed endless labour and expense, and great anxiety was always felt for their safety. Now, from the improvements which have been made and from the introduction of the patent hatching can invented here, the whitefish eggs are found to be very easily and cheaply managed, and also to be hatched out with greater certainty of success than any other of that class of fish ova which require a great length of time during the winter months for their development.

| | | | | |
|---|------------------------|----|-------|-----------|
| Total number of salmon fry hatched out of the Newcastle Nursery, Spring of 1878..... | | | | 600,000 |
| Total number of Salmon-trout fry, Spring of 1878..... | | | | 650,000 |
| do | California salmon fry, | do | ..... | 55,000 |
| do | Speckled trout fry, | do | ..... | 20,000 |
| do | Whitefish fry, | do | ..... | 1,300,000 |
| Total fry..... | | | | 2,605,000 |
| Total number of salmon fry eggs laid down in Newcastle Nursery, in Fall of 1878..... | | | | 857,000 |
| Total number of Salmon trout eggs, Fall of 1878.. | | | | 1,840,000 |
| do | Speckled trout eggs, | do | ..... | 144,000 |
| do | Whitefish eggs, | do | ..... | 1,000,000 |
| Total eggs..... | | | | 3,841,000 |
| Grand total of young fish of all kinds turned out of this establishment since commencement of work..... | | | | 6,675,000 |

SANDWICH FISH-BREEDING ESTABLISHMENT.

This institution was very successful in its operations last spring in hatching out about *twenty millions* of whitefish, the percentage of young fry obtained from the eggs laid down being very satisfactory.

Two hundred and twenty thousand (220,000) of these young fish were carried to Hamilton and deposited in the Bay. A similar number were also taken by railway to Toronto, and placed in the waters of that harbor. The balance of this large crop was carried directly from the hatchery into the Detroit River. The whole work of distributing this immense number of delicate little fish was performed most satisfactorily.

This very extensive fish-breeding establishment was built with the view of rearing whitefish by the artificial methods on a very large scale. Its capacity, if worked up to the fullest extent, would (by the use of the Patent Incubators), accommodate some eighty millions and upwards of whitefish eggs.

Hitherto it has been found very difficult, indeed, to secure even a moderate supply of eggs for this nursery, and it would therefore be wise to make such necessary arrangements during the coming season by which this institution will be able to carry out more extensively the object for which it was originally intended.

Only *fifteen millions* (15,000,000) of eggs were laid down at this hatchery last autumn, when, at the commencement of the season, it was confidently expected that at least double this quantity would have been collected.

This, however, could not be accomplished on account of the very peculiar and extremely selfish disposition of the greater number of persons engaged in fishing on the Detroit River. Great unwillingness is shown by them to assist, and with some, even, serious obstructions are thrown in the way of the employes engaged in collecting eggs for the works. Should this disposition be further indulged in, or no steps taken to remedy the evidently increasing avaricious tendency among the fishermen, the success of this breeding establishment cannot possibly be of a progressive character.

It has therefore become highly expedient that some plan should be adopted by which the establishment shall be enabled to secure its necessary supply of eggs, quite independent of the greed and caprice of some of the more prominent of the fishermen who now monopolise the use of those fishing-grounds, where it has been found that any reliance can be placed upon securing a proper supply of eggs with reasonable certainty of success.

From the experience already gained in connection with the gathering of fish eggs, and with the practical knowledge now obtained, concerning the merits of the fishing-

stations on the Detroit River, and with the view, also, to fully realize the benefits for which the fish hatchery was built, it has become absolutely necessary to permanently secure and thoroughly control one or more of the fishing-stations that may be best adapted for the procuring a supply of parent fish for the uses of the nursery; where the netting of the whitefish can be carried on either by the employes of the hatchery, or by arrangements specially made with some reliable fishermen who shall, at all times during the period of capturing fish, be under the control and orders of the officer in charge, who shall be at liberty to exercise his judgment as to the time and manner in which the fish captured by the fishermen shall be used for the purpose of obtaining from them the ova.

In view of carrying out this plan, which is essentially necessary, early arrangements should be made by which a pen or pens should be constructed (at such fishing-stations as may be secured) for impounding the early caught fish (if found necessary) until they become thoroughly ripe for spawning purposes.

By this mode of procedure, and being in possession of suitable fishing-stations and managing the fishery in the manner described, it may be most safely concluded, that a permanent and satisfactory means would be established by which the Sandwich Fish Hatchery could be enabled to rely, with reasonable certainty, upon securing, annually, a full stock of eggs, the number of which would be so great as not only to fairly satisfy the wants of that immediate locality, but also furnish supplies for other parts of the Dominion where urgent demands are now being made for the introduction of this valuable commercial fish.

Mr. Nevin, the officer in charge of the Sandwich Hatchery (in his report appended hereto), draws attention to the importance of making some permanent and satisfactory arrangement for obtaining his supply of eggs. He also draws attention to certain improvements being made to the hatchery itself, which, if carried out in connection with the means recommended for securing the eggs, would warrant great success.

With these views I fully coincide, and would recommend that the project of securing fishing-grounds for the use of the hatchery be carried out, and that upon its consummation the improvements in connection with extending the hatching capacity of the building should also be proceeded with.

The eggs now undergoing the process of hatching, some fifteen millions (15,000,000) in number, are far advanced, and will no doubt be in readiness for distribution as fry, during the month of March.

The engine and other machinery, with the several kinds of material and breeding apparatus belonging to the establishment, are all in first-class condition.

Improvements were made during the past summer by fencing in the ground and buildings, which adds materially to the safety and general appearance of the establishment.

| | |
|---|------------|
| Total number of whitefish fry turned out of the Sandwich Nursery in spring of 1878..... | 20,440,000 |
| Total number of eggs laid down in fall of 1878..... | 15,000,000 |
| Grand total of fish turned out since commencement..... | 36,440,000 |

EVIDENCES OF SALMON IN THE PROVINCE OF ONTARIO.

During the past fall the evidence of the presence (in the waters of this Province) of salmon in increased numbers was ample and conclusive, both as regards streams where they have been observed of late years, and others where for several years past no fish of this species has been seen.

Wilmot's Creek, near Newcastle, from which the parent fish are obtained for the hatchery was literally alive with salmon, in fact, from the middle of October till the middle of November hundreds could be counted throughout the stream and on the spawning-beds. Just below the Gravel Road Bridge it was no uncommon sight to see a score of fish at one time engaged in depositing their eggs. Great numbers

must have passed in and out of the stream unobserved on account of the height of water consequent on the heavy rains.

Barber's Creek, Bowmanville. Of this stream Mr. P. Coleman, the guardian, reports:—"Salmon began running very early—quite a number up creek on 5th Oct. "I believe there was a large increase over former years."

Grafton Creek. The following extracts from the report of the guardian appointed to watch this creek, show the salmon there to have been very abundant. He says:—"Upon 27th October a large school of salmon entered the creek and went up stream "about four miles. About two hundred salmon came up to the pool below the dam, "we counted thirty beds in which the fish laid their eggs."

Mr. Gilchrist, Fishery Overseer, Port Hope, writes of the River Trent:—"I can "say that a great many salmon entered it; a great many were seen at Stirling. "There were also a great many fish seen at Chisholm's Dam; they were also to be "seen at many places along the river. Quite a number of spawning-beds were seen "in the shallow parts of the river. I should judge by what I saw myself, and "what was told me by others, that a very great many more salmon came into the "Trent last fall than formerly. There were also a number of salmon to be seen in "the Cobourg stream. Gage's Creek, Port Hope Creek, Brand's Creek, and in fact "every stream that empties itself into Lake Ontario in my division. They came "into streams last fall where they have not been known for many long years past.

The following extracts from the report of Mr. J. W. Kerr, Fishery Overseer, Hamilton, are also submitted as showing the marked increase of salmon in his division:—

"Salmon were more numerous last season than for fourteen years past, both in "Lake Ontario and the numerous rivers and creeks in my district.

"In Duffin's Creek, where the first fish of this kind was seen in 1869 (three in "number), there have been several hundreds noticed this year by the guardian and "numerous other persons residing in the neighborhood of the stream.

"In many places salmon have been taken (either by persons ignorant of the "law or by wilful transgressors), namely: in Frenchman's Bay, two salmon 10½ "lbs. each; in Lake Ontario (off Frenchman's Bay), one salmon of 10 lbs.; in the "Humber River, one salmon (last spring); in Lake Ontario (Port Credit), one "captured weighing 8½ lbs., and several others seen also in the lake off Bronté; two "were netted; at Burlington Beach, three killed, one speared; at Winona, two taken, "5 and 8 lbs. respectively; in the Dundas Marsh, one speared; and off Grimsby, one "netted weighing 8 lbs.

"Six large salmon were also killed in the Niagara River, three at Niagara and "three at Queenston.

"The guardian and others report having seen several salmon and spawning-beds "in Lyons' Creek last fall.

"In Duffin's Creek the fish noticed in the act of spawning amounted to about "one hundred and fifty, all very large. There were about sixty spawning-beds.

"In the River Credit salmon were seen by the guardian as early as September, "near Indian Village. At Springfield, also, these fish were abundant, one being "crushed by the mill-wheel, Turner's Mill at this place. Two miles above Streetsville "numbers of salmon were seen by Solomon Carter (an old salmon spearer), who "describes them as being of different shape and darker color than those he used to "spear in bygone days. Query: Would these be California salmon? From the time "of the freshet in September, when these fish evidently got over the Streetsville dams, "they were seen daily.

"Several salmon were also seen in the Sixteen Mile Creek, Oakville, and in the "Twelve Mile Creek near Bronté."

OBJECTIONS TO FISH CULTURE.

Much criticism has been and is still indulged in by many persons inimical to this enterprise of fish-breeding in Ontario, concerning the non-appearance in the

lake of such large numbers of the salmon as should (in their opinion) be reasonably looked for, considering the magnitude of the operations carried on at the Newcastle Nursery, and the consequently large numbers of fry which have been there hatched and successfully distributed into the numerous rivers and streams flowing into Lake Ontario. But this apparent (not real) "short crop" from "labour expended" and "seed sown" should be fairly viewed from various standpoints of reasoning, and regarded without bias or prejudice; when it cannot but be obvious, even to the most sceptically inclined, that it would be unreasonable to expect, at present, more gratifying results than those which have already ensued from the introduction of artificial salmon culture:

When it is considered how great and radical are the changes which (within the last quarter of a century) have taken place in everything relating to the natural requirements of the salmon in Lake Ontario, and in the several streams of the country, the wonder is, that at the present time its waters contain any such fish at all; and certain it is, that, were it not for their reproduction by the artificial means which have been adopted, and the protection afforded them afterwards, the lake would long ere this have ceased to be frequented by this noble fish.

It is alike fair and just that the opinions and views of the enthusiast and reflecting man on the one hand, and the discontented and ignorant person on the other, should receive due attention from the Government of a country, where the subject under consideration is of national importance; but in this matter the objections raised are in many instances not only the result of want of judgment and reflection, but in most cases are the outcome of the greed and spleen of disappointed poachers.

It is within the memory of many of the inhabitants of this Province now living that salmon were so abundant in many of the creeks and rivers tributary to Lake Ontario, that thousands have been speared in one stream in a single night, when the fish were gravid and ascending to the upper waters, according to nature's law, for the purpose of depositing their spawn.

This unholy and sinful destruction of pregnant egg-bearing fish was considered then (as it would be considered now) by lawless ignorant and avaricious men to be their right and inheritance; and under this notion of proprietorship and privilege to "kill and eat," they wantonly destroyed a gift bestowed by God upon man for him to "use" and not "abuse."

This barbarous practice was continued till the "creature that laid the golden eggs" had become almost extinct in the waters of this Province, and would have totally disappeared but for the application of the new science of artificial fish-culture, through the instrumentality of which numerous streams in certain localities have already been restocked with large numbers of salmon. These fish would, were it not for the enforcement of judicious protective laws, soon share the fate of their ancestors by being mercilessly slaughtered by the same description of lawless people.

Amongst this class then (as at the present time) were found the unfair critic, the sceptic, the ignorant grumbler, and the poacher, and it is these now who, balked in their efforts to have their sway to "kill and destroy," are found clamoring about the alleged want of success of an undertaking which is not only fostered and encouraged in Canada, but in almost every civilized country in the world, each of which is striving with laudable rivalry to obtain the pre-eminence.

It is a question in the minds of many whether there are not a very large number of salmon in Lake Ontario now quite equal to any expectations that might reasonably be indulged in, considering the time in which its re-stocking by artificial means has been carried on and the numbers of artificially-hatched fry deposited in its streams.

The only attempts hitherto made to ascertain whether salmon (in large numbers) frequent the shores of Lake Ontario, have been by the employment of a few trap-nets near Port Newcastle, and these trials can be considered by no means unsatisfactory, when it is understood that the nets used were of a very complicated construc-

tion, requiring great experience and care in their management and (during the fishing season) an almost daily overhauling.

So far, these trial-nets have not had experts to manage them, in fact few men are now to be found who thoroughly understand the proper method of setting and fishing them. These nets were made many years ago, and are consequently very much decayed, so much so that the persons using them last season report that more fish broke through than were captured.

It must be stated, to give the results a fair comparison with those of bygone years, that upwards of twenty years ago, when the taking of salmon by trap-nets was at its height in Lake Ontario the nets were invariably set as early as April or May, and kept continually in use till October (which latter month was at that time the commencement of the close season); but now, by statute, salmon fishing is not allowed after August, except when the limit has been extended by Departmental regulation to the 15th of August.

The use of these few nets of late being only for experimental purposes, has not been worked up to that business standard which would otherwise be the case. With unsound nets, and fishermen comparatively unskilled in their use, the results must necessarily prove less satisfactory than would be the case if the fishing were carried on as a purely mercantile enterprise.

These trials have seldom been commenced before the end of June, and sometimes not till the early part of July, and the nets have been finally removed by the 15th August. It will thus be seen that, formerly, the whole season (or six months of the year) was occupied (by experienced fishermen) in trap-net fishing, while latterly this has not been carried on more than six weeks, or two months at the utmost, and then only as an experiment with unskilled fishermen and defective machinery.

It is but just to mention another circumstance which militates most seriously against the taking of salmon with these trap-nets, which are only set at points along the lake shore miles apart, and running out but some ten rods into the lake, so that salmon are only captured in them when coasting for food, or when their reproductive instincts urge their migration along the shore in search of their native streams.

The herring, which was the principal food of the salmon in the lake, (having now become almost exterminated) are found in such very few numbers along the coast that no inducement is offered the salmon to approach the shore during the early summer months, and when in the fall their instinct prompts them to enter the creeks for spawning, the season for netting has long passed by.

It is, therefore, very possible (and judging from the great numbers that now enter many streams for spawning purposes it is very probable) that large numbers of salmon at the present time frequent Lake Ontario; yet, from the causes above described, it is found extremely difficult to capture them during the summer months whilst on their feeding-grounds in deep water. As an illustration of this it may be mentioned that salmon, although inhabiting the ocean in myriads, are never taken on their feeding-grounds in the open sea, but are only netted when on their migration along the coast to, and in the estuaries of, their native rivers for breeding purposes.

REMARKS ON THE PLANTING OF SALMON-FRY IN THE SAUGEEEN RIVER ON LAKE HURON.

The expectations for which the first lot of Ontario salmon-fry was placed in the Saugheen River in 1872 (with renewals every year since), ought by this time to have given some evidence of whether salmon would become acclimated to, and reproduce their species in, Lake Huron, the waters of which were not originally their habitat.

No positive evidence has yet been given of any adult fish having been seen or taken in the Lake Huron, but several young salmon of the parr and smolt size have not only been seen, but also caught with hook and line in branches of the Saugheen River. This fact of the young fish having been taken in the river as far back as the summer of 1876, should by this time have produced evidence of their return to the stream in the adult state for the reproduction of their species; that is

assuming that they had reached maturity in Lake Huron, and possessed the instinctive feelings found with salmon elsewhere of invariably returning for spawning purposes to the same stream in which they were bred.

This, however, may have taken place in a large river like the Saugeen unobserved, and even if seen (and killed, as they undoubtedly would have been) it is unlikely that information would be given of the circumstance.

In addition to the planting of our own salmon-fry in the Saugeen, a number of the California fry were similarly deposited in that river in 1876. The experiment was repeated in 1877, and in 1878, as previously related, another lot was also planted there. These may bring about the solution of the experiment more effectually and perhaps more speedily than has been the case with their cousins, the Ontario-salmon, as they have already given positive evidence of early acclimatization to other waters than their own of the Pacific Ocean, from the fact that adults of the California salmon have been already taken in Lake Ontario and Wilmot's Creek, reared from the hatching out of California eggs brought from Sacramento in October, 1874 and 1875. These fish, it is rationally held, have not passed down to the Atlantic (certainly not to the Pacific), but have made Lake Ontario their habitat.

It must not be contended yet that because the Ontario salmon that were put in the Saugeen River have not been seen or caught as adult fish, the experiment of acclimatizing them has failed, or that it is impossible to succeed in the enterprise; for if this conclusion is come to, it must be held that the salmon so plentiful in former days, and somewhat numerous now in Lake Ontario, must of necessity migrate annually to and from the ocean in like manner as their congeners in the rivers of the Maritime Provinces and in other parts of the world. And, following out this reasoning, the salmon put in Lake Huron must also have passed down the Niagara to the sea, but from the impassable nature of the great falls have been prevented from ascending to the waters of their early youth.

If the so-called Ontario salmon are only acclimatized, or have become indigenous to the waters they now dwell in, or if they are the initials or aboriginals of their species in Lake Ontario, then no reason whatever can be assigned why they should not easily be made natives of the great fresh-water seas of Huron and Superior, the waters of which are identically the same as those of Ontario and inhabited by precisely the same tribes of fishes.

The conformation, character, and habits of the Ontario salmon and the "*salmo salar*" are so identical, that there can be no doubt or uncertainty as to their being the same fish, yet many of the former have unmistakably from acclimatization become natives of Lake Ontario, which to them is now their sea, in like manner as the Atlantic is to those salmon that frequent the rivers of the Gulf of St. Lawrence.

If on the other hand the salmon found in Lake Ontario are the original of their species, why would it not be reasonable to suppose that they should also have been found in Huron and the other greater lakes of the far west? The more rational conclusion must prevail that they were (and may be at the present time, for no decided proof can be shown to the contrary) originally the true "*salmo salar*," but in their migrations up the St. Lawrence, fulfilling the great law of nature in seeking abodes for reproduction, have, after carrying out the work of spawning in some of the well-adapted streams for that purpose running into Lake Ontario, dropped down to the Lake as hungry "kelts," and finding food congenial to their wants in the broad expanse of the Lake, and being satiated had no desire to continue a further journey in search of nutriment, and thus resting satisfied with their new home became eventually acclimatized to it.

Now, had not nature's impassable barrier at Niagara stood in the way, the same instinctive, onward and upward tendency for the further colonization of their race would have carried them on through the continuation of the waters of the mighty St. Lawrence, on through the immense areas of Huron and Superior, where by the same described process of nature that took place in Ontario, myriads of these noble fish would now be found disporting themselves in the vast waters of the great inland seas of America.

Entertaining these views induced the experiment to be tried of planting salmon-fry in a tributary river to Lake Huron, and overstepping if possible by the ingenuity of man, Niagara's stupendous cataract; which, had it not formed this mighty barrier, would have left open the easy and natural channel by which the now greatly desired object of stocking the expansive western waters of the Dominion with the lordly salmon by artificial means, would have been accomplished by nature ages ago.

INSPECTION OF THE MAGOG LAKES.

Having received instructions to visit the Magog Lakes, in the Eastern Townships, with the view to selecting a favourable site for the establishment of fish-cultural works in that section of the country, I beg to state that the result of my proceedings in connection therewith will be found in a report submitted to your Department in August last.

CONCLUSION.

In concluding this report upon the transactions connected with artificial fish-culture in Canada, I desire to draw attention to the very satisfactory policy which has obtained in the construction of the several creditable and commodious buildings now in use for carrying on this industry in the country. "That which is worth doing at all is worth doing well," has been adhered to in the erection of six out of the seven institutions now in full operation.

The cause of the Restigouche building being the exception was that it was the first establishment of the kind erected in the Maritime Provinces, and being the primary or experimental one there, was very rudely constructed, and therefore, after having done good service in the past, now requires rebuilding in a style at least equal to the others, which combine durability, convenience and sightliness of character.

The success attending these several fish-breeding establishments in the Dominion at the present time, with the immense stores of vitalized fish-eggs now within their walls, is a matter of much congratulation for your Department; and the progress made in the science of fish-culture in Canada since its inception, I may here be permitted to say, is quite beyond the most sanguine expectations either of its originator or of the Government under whose favourable and patronizing auspices the work has been so nobly and liberally carried on.

When it is shown that within the few years since the birth of this industry seven imposing structures for the artificial propagation of fish have been erected, all of which stand unrivalled on this continent for their practical application and utility; and when, during the infancy of this enterprise, it is shown that ninety-four millions (94,000,000) of fish-eggs of the salmon family have been collected and laid down in these buildings; that nearly twenty-seven millions (27,000,000) of these are at the present time far advanced towards incubation; and that fifty-three millions and upwards of young fish have been hatched out and distributed in the waters of this country—what mighty results may we not reasonably look forward to realize from the introduction of fish-culture into Canada when it shall have arrived at its strength of manhood and experience of ripe old age?

I have the honour to be, Sir,

Your obedient servant,

SAMUEL WILMOT.

Superintendent Fish-breeding Establishments.

REPORTS OF THE SEVERAL OFFICERS IN CHARGE OF THE FISH-BREEDING ESTABLISHMENTS IN THE DOMINION OF CANADA, FOR THE YEAR 1878.

PROVINCE OF ONTARIO.

SANDWICH ESTABLISHMENT.

SANDWICH, 31st December, 1878.

Hon. JAMES C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I herewith beg leave to present my annual report, as officer in charge of the fish-breeding establishment at Sandwich.

Last year I stated that some twenty-two millions (22,000,000) of white-fish eggs were laid down in good order on the hatching-trays and in our patent hatching-cans. Of these eighty per cent. were hatched.

The fish commenced hatching earlier than usual. On the eighth of March last, we had about four millions (4,000,000) hatched in one day. The cause of such a number hatching on that day was because we had to stop the water to repair the engine, and the water becoming a few degrees warmer in the cans, caused the eggs to hatch faster than I ever saw them hatch before. Mr. Wilmot caused a large tank to be made twenty-four feet long and seven feet wide, for the reception of the fry as they were hatched. This tank got so full of living fish that we had to commence carrying to the river. We carried some two hundred five-gallon cans of fish to the river on that day. The fish after that hatched more moderately. Young fish were carried to the river every day till the seventh of April, on which day we carried out one hundred and fifty cans. This closed our work for the season.

These large quantities of young whitefish were turned loose in Detroit River, with the exception of four hundred and twenty thousand (420,000). Two hundred and ten thousand (210,000) were taken to Burlington Bay, Hamilton, and two hundred and ten thousand to Toronto Bay. Mr. Kerr, the Fishery Overseer for that district assisted on both occasions.

Our fishermen were highly pleased to see such a large quantity of young fish turned into the Detroit River. The eggs saved in this way would otherwise have been a total loss.

We were not so successful in getting our supply of eggs this fall. The table below will show the names of the parties from whom we procured the eggs, with the places, and the quantity also:—

| | |
|--|------------|
| John P. Clarke, Fighting Island..... | 1,500,000 |
| C. W. Gauthier, Petite Côte..... | 3,000,000 |
| A. McKee and Jas. McKee, Bois Blanc Island, through the influence of C. W. Gauthier and my men..... | 14,000,000 |
| | <hr/> |
| | 18,500,000 |
| Lost through cold and frost..... | 3,500,000 |
| | <hr/> |
| | 15,000,000 |

We gathered in all eighteen million five hundred thousand (18,500,000). Three million five hundred thousand (3,500,000) proved to be worthless and bad. There were some sharp cold nights when the eggs were taken, which my men think was the chief cause of losing so many. This left us about fifteen millions (15,000,000) of good eggs. The eggs at this date are better than they have been in former years.

Owing to the small catch of fish on Fighting Island, we were unable to get our full supply of eggs. Mr. Paxton, who owns Fighting Island, assisted us all that he could, and deserves great credit.

The chief cause of not getting more eggs than we did, was on account of parties having fish, keeping them in their pens, and not selling them at the prices offered. From the first of November to the sixteenth, prices offered were from \$9 to \$10 per hundred fish, and on the twenty-fifth of November parties were selling them for \$22 and \$25 per hundred fish.

A. Rankin, Esq., having sold Bois Blanc Island to his son, McKee Rankin, and Alexander McKee, the fishing station therefore changed hands from Mr. Peterymough to A. McKee and Jas. McKee. The former always gave us all the assistance that he possibly could in procuring eggs, while the latter gave us all the opposition they possibly could. A. McKee said he would not have the eggs taken out of his fish, and Jas. McKee would not let us have them unless we paid him at the rate of three dollars per hundred fish.

The fish at Bois Blanc were hauled ashore and shipped to C. W. Gauthier's freezing establishment every morning, and were contracted for beforehand at the rate of four cents per pound.

All the eggs we did get from these fish would otherwise have been strewn on the beach or otherwise lost. I consider it downright selfishness of the McKee's preventing us from getting their eggs. No fishermen in Detroit River ever acted with us in the same manner. As this fishery was the only place on the river where there were eggs of any amount to be had, my men (four in number) consulted among themselves what was best to be done. They proposed to the McKee's to help to make up one set of men, and turn in and help to fish if they could only get the eggs. This was agreed to. The men caught in the neighborhood of seventeen hundred fish for McKee; those fish would average four pounds each, which at four cents per pound, would yield the McKee's two hundred and seventy-two dollars. I do not consider that McKee gave us any eggs of his free will.

What I would recommend is, that the Bois Blanc fishery be set apart for the purposes of the fish-breeding establishment to get the supply of eggs from annually, and that the Overseer of the fish-breeding house should have the privilege of taking the eggs and the handling of the fish whenever he thought proper.

A great drawback in the spawning season is the scarcity of male fish. Perhaps out of a catch of eighty fish there will only be about five males, therefore we can only spawn a like number of females. What I would recommend would be for the Department to take the fishery in its own hands, or to let it to Mr. Peterymough, who would fish it under our orders and build a small pen capable of holding two thousand fish. Two-thirds of the first run of fish, from the 10th of October to the 1st of November are males. Then when the female runs of fish come along later in the spawning season we would have these early run male fish to impregnate the eggs with, and by this means we would be able to get our full supply of eggs from this one fishery to supply the establishment at its full capacity. We would then know beforehand where we were going to get our eggs, and be independent of the other fishermen.

The whitefish that are caught at Bois Blanc fishery are larger than the usual run of fish of this kind.

I took particular pains to find out what amount of eggs could be got from each of these fish. I took fifty female fish as they came and spawned them, and they averaged twenty-five thousand eggs per fish.

Three thousand spawning fish from Bois Blanc fishery would give us seventy-five millions of eggs.

The Newcastle fish-breeding establishment, with Mr. Wilmot's new patent cans, would hatch out annually twenty millions of the whitefish if eggs were to be had, which would go towards supplying Lake Ontario, which, at the present time, is nearly run out of these superior fish.

Edward Boismier, Esq., Fishery Overseer for this district, has taken great interest in this establishment, and rendered me all the assistance he could.

Mr. Wilmot, our Superintendent, deserves great credit for his ingenuity in inventing the Wilmot hatching-can. Ever since Mr. Wilmot has had anything to do with the eggs of the white fish, it has been his constant study to invent something for the easy cleaning and washing of these small eggs. To my knowledge, it is some eight years since he began the experiments which he successfully accomplished two years ago and brought into practical use the patent hatchers, which effect a great saving of labor, and are not injurious to the eggs. One man is all that has been required to look after fifteen millions of eggs this fall, and one man would do the same (with these hatching-cans) with sixty millions after the first of January in each year.

The engine and pumps work well and are kept in good order by Daniel Semandre, my night engineer, who is a good and faithful servant.

William Hill, my assistant, also takes great interest in his work, and has now got a good practical knowledge of the business.

It is very necessary that your Department should make arrangements to lay down at least seventy-five millions of eggs here next year. To do this would require more water than our pumps are able to draw from the river. A larger and more powerful engine could be got for the price of the one here now, and it should be placed in a small engine-house outside the main building, which would give a great deal more room for hatching-cans inside, and also keep everything cleaner. There should also be larger pumps got, and a larger conductor pipe to bring more water from the river to hatch the eggs.

With these improvements, and by having a fishing-station and a pen of our own, I would be safe in promising sixty millions of young fish next year from this fish-breeding house.

I have the honor to be, Sir,

Your obedient servant,

JAMES NEVIN,

Fishery Officer in charge of the

Sandwich Fish-breeding Establishment.

PROVINCE OF QUEBEC.

GASPÉ ESTABLISHMENT.

GASPÉ BASIN, 4th December, 1878.

To the Honourable JAMES C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honor to submit my report on the operations in connection with the Gaspé Fish-breeding Establishment for the past year.

It is estimated that 800,000 ova were deposited in the month of October, 1877; the result was that in June last, the following number of fry were deposited in the rivers of Gaspé County:—

| | |
|----------------------|---------|
| Dartmouth River..... | 300,000 |
| St. John " | 200,000 |
| York " | 150,000 |
| Malbay " | 40,000 |
| Grand " | 30,000 |
| Pabos " | 30,090 |

750,000

The success in removing all the young fish was very great. I went myself to Grand River with 25,000, and travelled two nights, changing the water as often as we deemed necessary; and, on arrival at Grand River, I took a scow and went six miles up the river; it was satisfactory to find that only about 60 fish had died in the two casks. This trip was made as an experiment, and proves that salmon-fry can be carried long distances by land with care and attention. Another season I will endeavour to transport them by steamer to Grand Pabos and Grand River, being less expensive, but not so reliable in case of rough weather.

On 25th May, a net was set in Dartmouth River, and by the 8th June, forty-two salmon had been caught; next day, 9th June, we were compelled to raise the net, on account of a heavy rain fall. It was put out again 15th June, and, fortunately, we were not forced to remove it again until 22nd July, when all was taken up, river rising fast, with heavy rain storm, by this time 232 salmon had been captured. There was no chance of setting our net again in July or August on account of continual wet weather. I am pleased to have to state that these salmon, 232 in number, did remarkably well in Pond No. 2, only four died during the season.

Seventeen fish were purchased from net fishermen, and placed in Pond No. 1. Out of these two died, and two others leaped the floom, as only 13 could be found in October; these all looked very healthy and well.

At spawning time there were 147 female fish, and 81 males, at Pond No. 2, also eight females and five males below, making in all of 155 female salmon, and 86 male—total 241.

The work of manipulating these fish commenced on 12th October, and was completed the 1st November. The number of ova obtained, and successfully placed in the hatching-house, was 1,650,000, all at present looking very well, and I trust a large number of young fry will be the result of our operations.

Indispensable repairs were made at the upper dam of Pond No. 2, which, although considered safe last year, gave way this spring, but is now, I hope, as safe as it can be made against freshets. Scows, and all apparatus used for fishing, have been secured for winter, and the establishment banked with sea-weed.

In order to prevent the possibility of fish escaping at the lower pond, a good wooden railing has been placed all along the dam.

The troughs were all properly dried and varnished, as also the trays; the posts and outside of the troughs were painted, and the outside of the building was covered with fire-proof paint.

Galvanized iron stovepipes were procured from Quebec, and some necessary repairs made to the stove. Three and a-half tons of coal have been purchased.

The flow of water, and the working of the establishment is at present in a very satisfactory condition.

I have the honour to be, Sir,

Your obedient servant,

PHILIP VIBERT,

Fishery Officer in charge of the Gaspé

Fish-Breeding Establishment.

RESTIGOUCHE ESTABLISHMENT.

MATAPEDIA, 31st December, 1878.

To the Hon. JAMES C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—In accordance with Mr. Wilmot's instructions the auxiliary dam at Indian House was thoroughly repaired and gravelled, and the work has proved most satisfactory, now being able to raise a head of six feet of water.

I also built a hewed log-house there, 22x26, which was absolutely necessary, both for the accommodation of the men as well as to have a proper place to preserve our plant.

Owing to the very heavy August freshets a larger portion than usual of the parent fish reached the upper waters, and when I commenced to collect them on the 15th September, I found I had to go thirty miles above the Indian House and bring them down in cribs.

Stripping commenced on the 12th October, ending on the 25th, at Indian House, and during that period the fish were tried for ova every third day. Most of them, being clean stripped were put into the river, and the eggs immediately sent down to the Deeside House packed in moss.

The ova at present look well; so far, less dead ones than formerly. I remained at the Indian House myself taking eight hundred and ten thousand (810,000) eggs there. My son Alexander had charge of the Dee Side House. From his former experience in assisting, I considered him fully competent. As the signs of fish were very poor when I left it in September, I was agreeably surprised to find he had secured one hundred and fifteen (115) fish, producing seven hundred and fifty thousand (750,000) ova. He commenced with two men to secure his fish on the 20th September, and finished on the 25th October, and the ova look to be in fine condition. The total loss of fish at both places has been eleven, two males and nine females, caused by injury in catching, not disease.

The total catch is therefore :—

| | Males. | Females. | Total Eggs. |
|----------------------|--------|----------|-------------|
| At Indian House..... | 35 | 78 | 810,000 |
| “ Deeside “ | 45 | 70 | 750,000 |
| | 80 | 148 | |
| Less died..... | 2 | 9 | |
| Nett Total | 78 | 139 | 1,560,000 |

This gives an average of over eleven thousand (11,000) eggs per female, and I have placed more than the usual quantity of eggs on the trays by at least ten per cent. There is at least sixty thousand eggs over the estimate.

No expense has been placed on the Dee Side House excepting what was absolutely necessary to pass it through the winter. Trays and troughs were re-varnished, the troughs re-levelled from the action of the frost and settling of the building; the supply pipes stripped and repaired; a few more braces and bolts placed in order to prevent as much as possible the throwing of the building from the hill and hope nothing may occur to prevent successful hatching of the ova.

I shall expect to be relieved of half a million of eggs in January or when fit to move, as from my last experience of hatching a million in my limited space it was fearfully over-crowded.

At the same time I desire to respectfully bring under your notice, that should it be intended to carry out fish-breeding here, the urgent necessity existing for a better building, and would suggest an appropriation for the building to be got out this winter, as it can be got so much cheaper and the house would be better not to be got out too rapidly, but in any case it should be ready for ova by the fall of 1880, thus utilizing the house now in use another season. (The following extracts from this officer's general report are appended here as bearing especially on fish culture.)

I believe this is the first season we fully experienced the benefits of fish-breeding. Notwithstanding the increase of net stations on the coast and estuary these last three years, the catch has been gradually increasing, and from this time forward, and so long as the present protective measures are continued along with the valuable assistance given the rivers by pisciculture, a steady continuation of prosperous seasons may be assured until a maximum be reached, which will depend entirely upon a

sufficient quantity of parent fish being allowed to enter and reach their spawning grounds.

Before the adoption of pisciculture the rule in the Bay des Chaleurs fisheries was two fair years and three bad or indifferent seasons out of every five. The cause of this untoward state of matters now disappearing can, I think, be explained. Of course we do not know what may happen to a shoal of salmon while on their feeding grounds in winter or how many of them are exterminated, which we cannot help, but we can assist our rivers when the young fry and ova are destroyed therein by natural or artificial means.

The fall freshets often occur just as the salmon are depositing their ova always in shoal water, the current during freshets outside drives them on shores and bars. The water always falling with the intense frost leaves the great majority of the beds dry, thus destroying the greater portion of the ova, if not the whole. In other seasons we have very heavy ice runs, both fall and spring tearing up and changing the gravel beds; in such seasons, only those eggs escape which are deposited so far towards the head waters as to be beyond its influence.

From personal examination of the spawn-beds I am firmly of opinion not more than one-fourth of the ova ever fructify, on account of non-impregnation, or from injury to the eggs while being covered by the parent fish; again the drawing of scows over shoal-bars and spawn-beds, with the action of the horses' feet, injures the beds. These few years past but little of this work is done in this river owing to the failure of the lumber trade.

I want to show your honour that the *protective* and *piscicultural* measures adopted by your Department have not only been the means of creating a great industry before valueless, but the means of forty thousand dollars (\$40,000) being expended in hard cash this year for salmon in Restigouche County, and also the means of at least five thousand dollars (\$5,000) being expended in the country by anglers, but has also been the means of a great increase of salmon both in Gloucester and Gaspé.

I have the honor to be, Sir,

Your obedient servant,

JOHN MOWAT,

Fishery Officer in charge of the Restigouche

Fish-breeding Establishment.

PROVINCE OF NOVA SCOTIA.

BEDFORD ESTABLISAMENT.

BEDFORD, 31st December, 1878.

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

SIR,—I have the honor to report that I have completed the work of collecting a stock of ova for this season and have now safely deposited in the hatching-troughs of this establishment about two millions two hundred and fifty thousand (2,250,000) of the eggs of the *salmo salar*, or sea salmon.

As yet the embryo is not discernible, but from their healthy appearance I entertain no doubt of as successful an issue as has attended the operations for the last three years in this establishment.

In addition to the above number there were conveyed two hundred and fifty thousand (250,000) to the Miramachi House, as instructed by Mr. Samuel Wilmot. These were safely laid down in the troughs of that institution.

As will appear from the above, the total number of eggs collected this season was two millions five hundred thousand (2,500,000), an excess of nearly one million over that of last year. As in former years the parent salmon were taken at the Musquodoboit, West, Philip and Sackville Rivers, as per the following statement shewing the number of fish taken and the quantity of eggs obtained from each.

| Rivers. | Fish taken. | Eggs obtained. |
|--------------------|-------------|----------------|
| Musquodoboit | 232 | 1,500,000 |
| Philip | 127 | 600,000 |
| West | 75 | 300,000 |
| Sackville | 42 | 120,000 |
| | 476 | 2,500,000 |

By this it will be seen that four hundred and seventy-six (476) parent fish were caught; of this number one hundred and sixty-two (162) were males and three hundred and fourteen (314) females showing an average of eight thousand (8,000) per female fish. This average is somewhat lower than that obtained in previous seasons but is accounted for by the smaller size of the fish entering the rivers this fall. Salmon appeared to be very plentiful in all the rivers which were operated on, but very few exceeded twenty pounds in weight, while last season the average was much above that weight, and a number were found to exceed thirty pounds.

The precarious nature of all fishing operations, especially those conducted in the fall of the year, when heavy freshets, cold storms, and high winds prevail, makes the work of securing a large number of the parent fish not only very laborious and unpleasant, but is attended by great anxiety of mind, as upon the success of the catch entirely depends the stock of ova I am enabled to obtain. This fall, owing to the favorable nature of the weather, this labour was much lightened. No freshets occurred until the 12th October, when an unusually large number of salmon entered the rivers at one time, and all that were necessary were secured in a few weeks.

During the past summer the different reception tanks were repaired and improved, as they required, but as you were informed in a previous letter, the tank on the West River, Pictou County, was destroyed by fire shortly after it had been repaired, and just as the fishing commenced, and it became necessary to construct a temporary tank at considerable expense to answer the purpose for this fall. This fire was the work of an incendiary, and will give your Department an idea of the ill-feeling and determined opposition to be contended with on some of the rivers.

As explained in my report of last year, this opposition to the operations arises from the fact that the fish are prevented by the nets from ascending the rivers any great distance, so that the opportunities for poaching are greatly lessened, and the inhabitants are thus deprived of the glorious privilege of securing their usual number of fowl fish.

Fishermen in this Province are, as a rule, the most ignorant and selfish class of people I have ever come in contact with, and it is quite impossible to make them see that the fall fishing is unwise and very injurious to the future supply of salmon. They appear to live and care only for the present, and cannot be taught that the present fishery laws were introduced to protect their interest, and that as good citizens they should assist in enforcing them.

Frequent attempts and threats to destroy the fish are made, and it is only by the strictest vigilance, and by positive orders to the men to protect the fish in the tanks by any means necessary that these lawless characters can be kept under.

On River Philip, I am happy to say, a better feeling towards the operations exists now than was the case in former years, and very little poaching was attempted this year. On the Musquodoboit River, as yet, I have met with no active opposition, but frequent threats have been made, and to prevent any injury extra vigilance is required, and thus increased expense is entailed upon the work.

I intended laying down a quantity of the ova of the sea-trout, and had made arrangements to catch a supply of the parent fish at Little Salmon River in this County, where I was informed large numbers could be taken, but from some cause none were observed in the river this fall, and time could not be spared from other work to make any attempt elsewhere.

However, I shall endeavor to obtain some next season. The hatching-troughs are capable of accomodating about three millions of ova, and as the cost of attending that quantity is no greater than that required for a smaller number, it is very desirable that all should be filled each year with the eggs of some of our most valuable fish.

The success attending the final hatching of the large numbers of ova laid down in this establishment last year was very satisfactory. The loss from the 31st December (the date of my last annual report) until the bursting of the shell, which took place about the 1st April was quite inappreciable, and the cool and favorable weather which prevailed during the month of May prevented the water from attaining too high a degree of temperature, and enabled me to retain the young fry in the nursery troughs until ready for distribution without any loss.

Having a much larger number of fry than the hatching-troughs could accommodate for any length of time, without a risk of loss from overcrowding and want of sufficient aeration of the water, it was necessary to build two large nursing tanks, each thirty-two feet long and four feet wide, outside of the hatching-room. These tanks being bountifully supplied with water, and giving a largely increased superficial area for nursing purposes, the fish were kept with greater safety than could have been done in the hatching-troughs alone.

Being strongly and firmly built they will last for a number of years, and are of sufficient area to safely accommodate one million fry, thus increasing the rearing capacity of this establishment by that number of fish annually.

Being anxious to try the experiment of introducing into the lakes of Nova Scotia the whitefish and salmon-trout of the great lakes of the west, I applied to and obtained from Mr. Samuel Wilmot two hundred thousand (200,000) ova of the former and ten thousand (10,000) of the latter. These were shipped from the fish-breeding establishment at Newcastle, Ontario, by express, and arrived in splendid condition, there being but a very few dead eggs amongst them, and the young fish could be seen moving about within the transparent shells which confined them. Mr. S. Wilmot's patent hatchers, in which the whitefish ova were packed, and in which they were subsequently hatched, are most ingenious contrivances for the purpose and may be said to be self-operating. By their introduction the endless labor and care formerly required in hatching these minute specimens of fish ova, has been almost entirely removed, and by their use the hatching of millions of whitefish is rendered possible and easy of accomplishment. They are also wonderful economizers of space, and with them I can hatch in this establishment several millions of these fish annually at a cost very little over that necessary to collect and transport the ova to this point.

As the fry burst the shell and are ready for distribution some time before the salmon, a large number might be hatched here without in any way interfering with the hatching of salmon. The success which attended the final development of the small number obtained last season, and the possibility of procuring annually a large number of these fish from the Sandwich whitefish hatchery, induces me to suggest to your Department the advisability of endeavoring to increase the usefulness of this establishment by extending the operations to the hatching of both whitefish and salmon trout. The importance of this project, if found feasible, becomes apparent when we consider the great number and extent of the inland lakes of this Province now useless and of no value whatever, as they contain few, if any, commercial fish, and it appears a very desirable object to stock, if possible, these lakes with those valuable fish.

By so doing the value of the fisheries of Nova Scotia would be largely increased, and an extensive inland fishery would be created which would afford remunerative

employment and a partial means of subsistence to hundreds of people living at a distance from the sea coast.

That the ova can be brought here safely and hatched the success last year proves, but it yet remains to be proved whether these fish can be acclimatized to these waters. To ascertain this it will require but a few years, and an experiment on a large scale should be instituted at once by placing into some one of the many lakes in this vicinity at least a million fry so that if the scheme proves successful some positive evidences of it may be seen as soon as the fish have attained their growth.

DISTRIBUTION OF FRY LAST SPRING.

This highly interesting and important part of the work was commenced as soon as the fry had attained a proper age and strength to enable them to withstand the dangers of transportation. The magnitude of this, the completion of the season's labors, and the anxiety of mind attending it can only be understood by those engaged in it. To prevent loss the entire distribution should be performed in the short space of three weeks, that is, while the fry are between the ages of three and six weeks hence the necessity for the greatest possible despatch. The success with which this work has been performed in the past has been largely due to the convenience afforded by the lines of railway, as by this conveyance all the rivers of central Nova Scotia can be reached by a journey of but a few hours' duration, and, except in one or two instances, the rivers are not more than five miles from the railway stations.

I am thus enabled, with two or three assistants, to carry to their destination about one hundred thousand (100,000) fry daily, and return to the hatchery house the same night.

The distribution in accordance with the instructions received from your Department was as follows:—

Salmon Fry.

| | |
|--------------------------------------|----------------|
| Sackville River, Halifax County..... | 80,000 |
| Musquodoboit “ | 120,000 |
| Shubenacadie “ | 50,000 |
| Big Salmon “ | 20,000 |
| Little Salmon “ | 20,000 |
| Mosher's “ | 20,000 |
| Nine Mile “ | 20,000 |
| Pennant “ | 20,000 |
| Indian “ | 20,000 |
| Ingraham “ | 20,000 |
| North-East “ | 20,000 |
| Guays “ | 20,000 |
| Total, Halifax County | 430,000 |
| Meander River, Hants County..... | 40,000 |
| Windsor “ | 40,000 |
| Kennetcook “ | 40,000 |
| Herbert “ | 40,000 |
| Total, Hants County..... | 160,000 |
| Cornwallis River, King's County..... | 40,000 |
| Gaspereaux “ | 40,000 |
| Total, King's County | 80,000 |

| | |
|--|------------------|
| Philip River, Cumberland County..... | 80,000 |
| Wallace "..... | 40,000 |
| Pugwash "..... | 20,000 |
| Maccan "..... | 20,000 |
| Total, Cumberland County..... | 160,000 |
| Salmon River, Colchester County..... | 80,000 |
| Stewiacke "..... | 40,000 |
| North "..... | 40,000 |
| Debert "..... | 20,000 |
| Ishgonish "..... | 20,000 |
| French's "..... | 20,000 |
| Folly "..... | 20,000 |
| Total, Colchester County..... | 240,000 |
| East River, Pictou County..... | 70,000 |
| West "..... | 80,000 |
| Middle "..... | 70,000 |
| Sutherlands "..... | 40,000 |
| Total, Pictou County..... | 260,000 |
| Annapolis River, Annapolis County..... | 50,000 |
| La Have (Head waters) "..... | 20,000 |
| Total, Annapolis County..... | 70,000 |
| Total of salmon fry..... | 1,400,000 |

Salmon Trout.

| | |
|---------------------------------|--------------|
| Grand Lake, Halifax County..... | 8,000 |
| Total Salmon Trout..... | 8,000 |

Whitefish.

| | |
|---------------------------------|----------------|
| Grand Lake, Halifax County..... | 120,000 |
| Lily "..... | 10,000 |
| Sandy "..... | 10,000 |
| Folly, " Cumberland County..... | 20,000 |
| Total whitefish..... | 160,000 |

Total Number of Fry Distributed.

| | |
|--------------------------------|------------------|
| Salmon fry..... | 1,400,000 |
| Whitefish..... | 160,000 |
| Salmon-trout..... | 8,000 |
| Showing a total of..... | 1,568,000 |

fry distributed as the result of operations for the past year. Add to this number those distributed in 1877, being one million (1,000,000), and in 1876, four hundred thousand (400,000), and the grand total of two millions nine hundred and sixty-eight

thousand (2,968,000), or nearly three millions, of young fish have been distributed amongst the principal rivers and lakes of Nova Scotia from this establishment in the short space of three years.

Of the thirty-five rivers, as per above list, eleven empty directly into the Atlantic Ocean, sixteen into the Bay of Fundy, and eight into the Gulf of St. Lawrence; thus the natural reproduction along the whole coast of this Province has been supplemented to the extent of the above number of young fish. Sufficient time not having yet elapsed for the return of these young salmon to the rivers in which they were planted, no evidence of the good results of the artificial propagation have as yet been observed, but I hope in the course of a year or two to be enabled to report a slight improvement in some of these streams; but to expect any marked increase in the coast or estuary fishery, as the result of the limited operations of this establishment, would be erroneous.

That the natural reproduction of salmon is very much restricted by the extension of manufacturing and lumbering interests is apparent, and it is beyond doubt that our present supply cannot be maintained by nature's process alone for any length of time in the face of the many unfavorable conditions it has to contend with.

The increasing demands upon that limited supply consequent upon the extension of lines of railway, and the opening up of many new markets in connection with the recent improvements in the art of preserving and shipping fish in a fresh state, renders it necessary that the supply should be increased by artificial means.

In this Province an urgent demand exists for increased propagation, and more hatching-houses are required, and if the proper system be adopted, twenty millions of young salmon could be turned into these rivers annually, and at a cost which, when compared with the increased wealth which would accrue, sinks into insignificance.

I have the honor to be, Sir,

Your obedient servant,

A. B. WILMOT,
*Fishery Officer in charge of the
Bedford Fish-Breeding Establishment.*

PROVINCE OF NEW BRUNSWICK.

MIRAMICHI ESTABLISHMENT.

NORTH ESK, MIRAMICHI, 31st December, 1878.

To the Hon. JAMES C. POPE,

Minister of Marine and Fisheries, Ottawa.

SIR,—I beg to send you herewith my report of the proceedings at the Miramichi Fish-Breeding Establishment in the Province of New Brunswick.

The ova laid down in the hatching-house in the fall of 1877, was as follows:—

From the Miramichi, salmon, three hundred and ten thousand (310,000); from Halifax, two hundred thousand (200,000); and from Restigouche, two hundred and four thousand (204,000), making a total of seven hundred and fourteen thousand (714,000.)

These continued to do well, and were hatched out with little loss. In due time they were distributed in the following rivers :

| | |
|-------------------------------------|---------|
| North-West River,..... | 100,000 |
| South-West “ | 100,000 |
| Little South-West River,..... | 95,000 |
| Sevogle “ | 45,000 |
| Bartibog “ | 40,000 |
| Burnt Church “ | 40,000 |
| Tabusintac “ | 45,000 |
| Napan “ | 50,000 |
| Black “ | 50,000 |
| Salmon “ | 20,000 |
| Canaan “ | 20,000 |
| Shediac “ | 50,000 |
| W. J. Davidson's Salmon River,..... | 10,000 |

no losses occurring in the distribution.

During the summer season all necessary repairs were done about the hatching house, and in the fall of 1878 three hundred and eighty-eight (388) breeding salmon were procured, all of which were placed in the pond. Great difficulty was experienced in getting these fish into the reception-house; they would not go up the stream. Nets had to be used to take them from the pond, then they had to be carried into the reception-house, thus causing a great amount of labour. No loss, however, occurred. A few of the fish could not be got out of the pond, as the rough bottom prevented the use of sweeping nets.

One million (1,000,000) healthy ova were procured from these parent salmon and were successfully laid down in the breeding-troughs, and two hundred and fifty thousand (250,000) more were brought from Halifax, by Mr. A. B. Wilmot, making in all one million two hundred and fifty thousand (1,250,000.) These progressed favorably with little loss, and continue to do so up to the present date.

I have the honor to be, Sir,

Your obedient servant,

ISAAC SHEASGREEN,

Fishery Officer in charge of the

Miramichi Fish-Breeding Establishment.