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Additional comments /  
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# SESSIONAL PAPERS.

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SECOND SESSION OF THE SIXTH PARLIAMENT

OF THE

DOMINION OF CANADA.

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SESSION 1888.

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VOLUME XXI.

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1888.

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1. Public Accounts of Canada, for the fiscal year ended 30th June, 1887. Presented to the House of Commons, 27th February, 1888, by Sir Charles Tupper. Estimates for the fiscal year ending 30th June, 1889; presented 1st March, 1888. Supplementary Estimates of Canada for the fiscal year ending 30th June, 1888; presented 23rd April, 1888. Supplementary Estimates of Canada for the fiscal year ending 30th June, 1889; presented 14th May, 1888—  
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### CONTENTS OF VOLUME No. 2.

2. Report of the Auditor-General on Appropriation Accounts, for the year ended 30th June, 1887. Presented to the House of Commons, 27th February, 1888, by Sir Charles Tupper—  
*Printed for both Distribution and Sessional Papers.*

### CONTENTS OF VOLUME No. 3.

3. Tables of the Trade and Navigation of the Dominion of Canada, for the fiscal year ended 30th June, 1887. Presented to the House of Commons, 27th February, 1888, by Hon. M. Bowell—  
*Printed for both Distribution and Sessional Papers.*

### CONTENTS OF VOLUME No. 4.

4. Report of the Minister of Agriculture for the Dominion of Canada, for the calendar year 1887. Presented to the House of Commons, 27th March, 1888, by Hon. J. Carling—  
*Printed for both Distribution and Sessional Papers.*

### CONTENTS OF VOLUME No. 5.

- 4a. Report on Canadian Archives, 1887.....*Printed for both Distribution and Sessional Papers.*

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- 4b. Criminal Statistics for the year 1886, being an Appendix to the Report of the Minister of Agriculture for the year 1886. Presented to the House of Commons, 18th May, 1888, by Hon. J. Carling.....*Printed for both Distribution and Sessional Papers.*
- 4c. Abstracts of the Returns of Mortuary Statistics for the year 1887—  
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- 4d. Experimental Farms. Reports of the Director, Entomologist and Botanist, Chemist, and Horticulturist, for 1887.....*Printed for both Distribution and Sessional Papers.*

## CONTENTS OF VOLUME No. 7.

5. Twentieth Annual Report of the Department of Marine, for the fiscal year ended 30th June, 1887. Presented to the House of Commons, 13th March, 1888, by Hon. G. E. Foster—  
*Printed for both Distribution and Sessional Papers.*
- 5a. Report of the Chairman of the Board of Steamboat Inspection, for calendar year ended 31st December, 1887.....*Printed for both Distribution and Sessional Papers.*

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6. Annual Report of the Department of Fisheries, Dominion of Canada, for the year 1887—  
*Printed for both Distribution and Sessional Papers.*
- 6a. Report of the Commissioners appointed to enquire into and report upon the Lobster and Oyster Fisheries of Canada. Presented to the House of Commons, 16th March, 1888, by Hon. G. E. Foster.....*Printed for both Distribution and Sessional Papers.*
- 6b. Special Report of the Fisheries Protection Service of Canada, 1887—  
*Printed for both Distribution and Sessional Papers.*

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7. Annual Report of the Minister of Public Works of Canada, for the fiscal year 1886-87 on the works under his control. Presented to the House of Commons, 27th February, 1888, by Sir Hector Langevin.....*Printed for both Distribution and Sessional Papers.*
- 7a. Tables showing the extent and progress of Public Works, Distances, &c., on the main routes of navigation; Railways, Telegraph Lines, &c. Inland Navigation of Canada, Ocean Rates thence to Foreign Countries, Canadian Land Routes to the seaboard. Government Railways and Telegraph Lines, &c., &c. Suez Canal and Panama Canal Routes—  
*Printed for both Distribution and Sessional Papers.*
8. Annual Report of the Minister of Railways and Canals, for the past fiscal year, from the 1st July, 1886, to the 30th June, 1887, on the works under his control. Presented to the House of Commons, 6th March, 1888, by Hon. J. H. Pope—  
*Printed for both Distribution and Sessional Papers.*
- 8a. Report of the Royal Commission on Railways, with Appendices, viz: 1st. Report of Committee visiting United States. 2nd. Supplementary Report of same. 3rd. Extracts, Hadley, &c. Presented to the House of Commons, 29th February, 1888, by Hon. J. H. Pope—  
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- 8b. Reports, Railway Statistics of Canada, and Capital, Traffic and Working Expenditure of the Railways of the Dominion, 1887. Presented to the House of Commons, 17th May, 1888, by Sir Charles Tupper.....*Printed for both Distribution and Sessional Papers.*

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9. Abstract of Statements of Insurance Companies in Canada for year ending 31st December, 1887. Presented to the House of Commons, 4th May, 1888, by Sir Charles Tupper—  
*Printed for both Distribution and Sessional Papers.*
- 9a. Report of the Superintendent of Insurance, for the year ended 31st December, 1887—  
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10. Annual Report of the Department of Militia and Defence of the Dominion of Canada, for the year ended 31st December, 1887. Presented to the House of Commons, 27th February, 1888, by Sir Adolphe Caron .....*Printed for both Distribution and Sessional Papers.*
11. Report of the Minister of Justice as to Penitentiaries in Canada, for the year ended 30th June, 1887. Presented to the House of Commons, 27th February, 1888, by Hon. J. S. D. Thompson—  
*Printed for both Distribution and Sessional Papers.*
12. Report of the Secretary of State of Canada, for the year ended 31st December, 1887. Presented to the House of Commons, 28th February, 1888, by Hon. J. A. Chapleau—  
*Printed for both Distribution and Sessional Papers.*



- 12a.** Annual Report of the Department of Public Printing and Stationery for the Dominion of Canada, for year ending 30th June, 1887, with partial Report for services during six months ending 31st December, 1887. Presented to the House of Commons, 13th March, 1888, by Hon. J. A. Chapleau.....*Printed for both Distribution and Sessional Papers.*
- 12b.** Report of the Board of Examiners for the Civil Service in Canada, for the year ended 31st December, 1887.....*Printed for both Distribution and Sessional Papers.*
- 12c.** (1887.) Report of the Antwerp International Exhibition for 1885—  
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- 13.** Annual Report of the Postmaster General for the year ended 30th June, 1887. Presented to the House of Commons, 28th February, 1888, by Hon. A. W. McLellan—  
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- 14.** Annual Report of the Department of the Interior for the year ended 31st December, 1887. Presented to the House of Commons, 27th February, 1888, by Hon. Thos. White—  
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- 15.** Annual Report of the Department of Indian Affairs for the year ended 31st December, 1887. Presented to the House of Commons, 1st March, 1888, by Hon. Thos. White—  
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- 16.** Report, Returns and Statistics of the Inland Revenues of the Dominion of Canada, for the fiscal year ended 30th June, 1887. Presented to the House of Commons, 24th February, 1888, by Hon. J. Costigan ..... *Printed for both Distribution and Sessional Papers.*
- 16a.** Canal Statistics for season of navigation, 1886, being Supplement No. 1 to the Inland Revenue Report, for the year ended 30th June, 1887—*Printed for both Distribution and Sessional Papers.*
- 16b.** Fourteenth Report on Inspection of Weights, Measures and Gas, being Supplement No. 2 to the Report of the Department of Inland Revenue—  
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- 16c.** Report on Adulteration of Food, being Supplement No. 3 to the Report of the Department of Inland Revenue .....*Printed for both Distribution and Sessional Papers.*

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- 17.** List of Shareholders in the Chartered Banks of the Dominion of Canada, as on the 31st December, 1887. Presented to the House of Commons, 14th March, 1888, by the Hon. M. Bowell—  
*Printed for both Distribution and Sessional Papers.*
- 18.** The Civil Service List of Canada, on the 1st July, 1887, pursuant to section 59 of "The Civil Service Act." Presented to the House of Commons, 15th March, 1888, by Hon. J. A. Chapleau—  
*Printed for both Distribution and Sessional Papers.*
- 20.** Report of the Joint Librarians of Parliament on the state of the Library of Parliament. Presented to the House of Commons, 23rd February, 1888, by Hon. Mr. Speaker—  
*Printed for Sessional Papers only.*

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- 21.** Correspondence, Reports of the Minister of Justice, and Orders in Council upon the subject of Provincial Legislation, 1884 to 1887.....*Printed for both Distribution and Sessional Papers.*
- 22.** Statement of Governor General's Warrants issued since last Session of Parliament, and Expenditure incurred on account of same, in accordance with the Consolidated Revenue and Audit Act, section 32, clause b. Presented to the House of Commons, 27th February, 1888, by Sir Charles Tupper.....*Not printed.*

23. Statement of Expenditure on account of Miscellaneous Unforeseen Expenses for the fiscal year 1887-88. Presented to the House of Commons, 27th February, 1888, by Sir Charles Tupper—  
*Not printed.*
24. Report of the Commissioner, Dominion Police, under Revised Statutes of Canada, chapter 184, section 5. Presented to the House of Commons, 27th February, 1888, by Hon J. S. D. Thompson.....*Not printed.*
- 24a. Return of the average number of men employed on the Dominion Police Force during each month of the year 1887, and of their pay and travelling expenses (under Revised Statutes of Canada, chapter 184, section 5). Presented to the Senate, 27th February, 1888, by Hon. Mr. Abbott.....*Not printed.*
25. Return to an Order of the House of Commons, dated 6th May, 1887, for a Return of lands sold by the Canadian Pacific Railway Company up to 1st April, 1887, in the North-West Territories; when sold, and to whom. Presented to the House of Commons, 28th February, 1888 —  
*Mr. Perley (Assiniboia)*.....*Not printed.*
- 25a. Return (*in part*) under Resolution of the House of Commons, passed on the 20th February, 1882, on all subjects affecting the Canadian Pacific Railway, respecting details as to: 1. The selection of the route. 2. The progress of the work. 3. The selection or reservation of land. 4. The payment of moneys. 5. The laying out of branches. 6. The progress thereon. 7. The rates of tolls for passengers and freight. 8. The particulars required by the Consolidated Railway Act and amendments thereto, up to the end of the previous fiscal year. 9. Like particulars up to the latest practicable date before the presentation of the Return. 10. Copies of all Orders in Council and of all correspondence between the Government and the railway company, or any member or officer of either, relating to the affairs of the company. Presented to the House of Commons, 8th March, 1888, by Hon. Thos. White.....*Printed for Sessional Papers only.*
- 25b. Supplementary Return under Resolution of the House of Commons, passed on the 20th February, 1882, on all subjects affecting the Canadian Pacific Railway, respecting details as to: 1. The selection of the route. 2. The progress of the work. 3. The selection or reservation of land. 4. The payment of moneys. 5. The laying out of branches. 6. The progress thereon. 7. The rates of tolls for passengers and freight. 8. The particulars required by the Consolidated Railway Act and amendments thereto, up to the end of the previous fiscal year. 9. Like particulars up to the latest practicable date before the presentation of the Return. 10. Copies of all Orders in Council and of all correspondence between the Government and the railway company, or any member or officer of either, relating to the affairs of the company. Presented to the House of Commons, 19th March, 1888, by Hon. Thos. White—  
*Printed for Sessional Papers only.*
26. Return to an Address of the House of Commons to His Excellency the Governor General, dated 6th June, 1887, for copies of the Order in Council appointing Louis Boisvert lighthouse keeper at Grondines, in the place of E. Trottier; and copies of all correspondence recommending Charles N. Trottier for this position. Presented to the House of Commons, 28th February, 1888.—*Mr. De St. Georges*.....*Not printed.*
27. Return to an Order of the House of Commons, dated 27th April, 1887, for a statement setting forth the number of stills seized by the Department of Inland Revenue for the years 1878, '79, '80, '81, '82, '83, '84, '85 and '86, respectively, and the first three months of the year 1887; the names of the persons on whose premises the stills were seized; the names of the informers and the sums paid to each; also statement of the cost of effecting such seizures, and the receipts accruing from all sales of such stills. Also Return to an Order of the House of Commons, dated 27th April, 1887, for a statement showing all seizures effected in Canada for illegal sale of tobacco for each year since 1878 up to 1st March, 1887, inclusive; the names of the persons on whose premises the seizures were made, the amounts realized on such seizures by sale or otherwise, and the expense of making the seizures. Presented to the House of Commons, 28th February, 1888.—*Mr. Rinfret*.....*Not printed.*

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28. Report of the Commissioner of the North-West Mounted Police Force, 1887. Presented to the House of Commons, 3rd April, 1888, by Sir John A. Macdonald.

*Printed for both Distribution and Sessional Papers.*

- 29.** Return to an Order of the House of Commons, dated 6th June, 1887, for a Return giving the following details of the expenditure connected with the support of the Marine and Immigrant Hospital in the city of Quebec, during the term of years from the date of Confederation to June 30th, 1886, and showing: 1. The aggregate amount voted by Parliament for the maintenance of this hospital during the said term of years. 2. The amount actually expended. 3. The number of persons, other than sick mariners, who received hospital care there during the said term. 4. The aggregate number of days of hospital treatment accorded to them. 5. The number of sick mariners who received hospital care during the same term. 6. The number of days of hospital treatment accorded to them. 7. The average cost per patient per diem of both classes of patients during said term. 8. The price per patient per diem paid to the Montreal General Hospital for the care of sick seamen during the same years—1867-1886 9. The aggregate amount that has been charged during the said term of years to the fund for the relief of sick and distressed mariners, as for expenditure in connection with this Quebec Hospital, by virtue of the Act 31 Victoria, chapter 64, section 12 (now 40 Victoria, chapter 76, section 16). Presented to the House of Commons, 29th February, 1888.—*Mr. Hickey* ..... *Not printed.*
- 30.** Report of the Royal Commission on the Leasing of Water Power, Lachine Canal. Presented to the House of Commons, 2nd March, 1888, by Hon. J. H. Pope.....*Not printed.*
- 30a.** Return to an Address of the House of Commons, to His Excellency the Governor General, dated 5th March, 1888, for a Return of copies of all correspondence between the Government of Canada and the commissioners appointed by the Government to take evidence and acquire information relative to the Trent Valley Canal, and the further progress thereof; of copies of all instructions authorizing the commissioners to act in the premises, and defining their powers and authority and mode of procedure; and of a copy of any and all reports of the engineer or engineers in charge of the works of said canal, made to the Government since the last session of this Parliament. Presented to the House of Commons, 13th April, 1888.—*Mr. Barron*..... *Not printed.*
- 30b.** Return to an Address of the Senate, to His Excellency the Governor General, dated 22nd March, 1888, for a detailed statement of all moneys paid to A. F. Wood, Esq., of Madoc, for services and expenses in connection with his office as valuator or otherwise in connection with the Trent Valley Canal, from the date of his appointment down to the 1st January, 1888. Also a detailed statement of all moneys paid him for services and expenses in connection with his services on the Murray Canal, from 1st December, 1883, to 1st January, 1888, in order to complete the full return of moneys paid him for services in connection with the return asked for at last session. Presented to the Senate, 18th April, 1888.—*Hon. Mr. Flint*..... *Not printed.*
- 31.** Return to an Address of the Senate, to His Excellency the Governor General, dated 17th June, 1887, for copies of all complaints which have been made by the authorities of the St. Vincent de Paul Penitentiary, since the 24th April, 1886, against Adolphe Lefavre, formerly an employé of the penitentiary; as also of all reports which the Inspector may have made since the same date against the said Lefavre, together with copies of the decisions which the Honorable the Minister of Justice may have given upon these reports and complaints. Presented to the Senate, 29th February, 1888.—*Hon. Mr. Bellerose* ..... *Not printed.*
- 32.** Return to an Order of the House of Commons, dated 29th February, 1888, for a Statement of the Receipts and Expenditure, in detail, chargeable to the Consolidated Fund, from the 1st day of July, 1887, to the 1st day of March, 1888, and from the 1st day of July, 1886, to the 1st day of March, 1887. Presented to the House of Commons, 5th March, 1888.—*Sir Richard Cartwright*.—*Not printed.*
- 33.** Statement of all superannuations and retiring allowances in the Civil Service, giving the name and rank of each person superannuated, or retired, his salary, age and length of service, his allowance and cause of retirement, and whether the vacancy has been filled by promotion or new appointment, &c., for the year ended 31st December, 1887. Presented to the House of Commons, 5th March, 1888, by Sir Charles Tupper..... *Printed for Sessional Papers only.*
- 34.** Return to an Order of the House of Commons, dated 6th June, 1887, for copies of petitions presented from time to time and supported by the several transatlantic steamship companies and other persons, praying for the building of a breakwater at Pointe aux Pères. Presented to the House of Commons, 6th March, 1888.—*Mr. Fiset*..... *Not printed.*
- 34a.** Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all surveys, reports and correspondence in connection with the L'Ardoise Breakwater, in the county of Richmond, N.S. Presented to the House of Commons, 13th March, 1888.—*Mr. Flynn*—*Not printed.*

- 34b. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all correspondence and telegrams, since 31st December last, relating to the construction or repair of breakwaters or piers at Scott's Bay, Horton Landing and Boot Island, in King's County, Nova Scotia; and also of all instructions to an engineer of the Department of Public Works, who visited said localities during the months of January and February last, with his reports thereon. Presented to the House of Commons, 4th April, 1888.—*Mr. Borden*..... *Not printed.*
- 34c. Return to an Order of the House of Commons, dated 9th April, 1888, for copy of report of the Chief Engineer on the breakwater at Bay Fortune, King's County, Prince Edward Island, with a view to its extension; together with copies of all petitions, letters, &c., in relation thereto. Presented to the House of Commons, 30th April, 1888.—*Mr. McIntyre*..... *Not printed.*
- 34d. Return to an Address of the House of Commons to His Excellency the Governor General, dated 6th June, 1887, for copies of all Orders in Council, or other documents, granting a power to construct any bridge, dam, breakwater, or other obstructions in the Rideau River, from its mouth to its source. Presented to the House of Commons, 14th May, 1888.—*Mr. Robillard*—  
*Not printed.*
35. Return of the names and salaries of all persons appointed to or promoted in the Civil Service during the year 1887, specifying the office to which each has been appointed or promoted. Section 58, sub-section 2, "Civil Service Act." Presented to the House of Commons, 6th March, 1888, by Hon. J. A. Chapleau..... *Printed for Sessional Papers only.*
36. Copy of the Fishery Treaty between Great Britain and the United States, in relation to the fisheries of Canada and Newfoundland, signed at Washington on the fifteenth day of February, 1888; and the protocols of the various conferences, together with the protocols from the British plenipotentiaries offering to make a temporary arrangement for a period not exceeding two years in order to afford a *modus vivendi* pending the ratification of the treaty, and the protocol of the American plenipotentiaries expressing their satisfaction with the *modus vivendi* communicated by the British plenipotentiaries. Presented to the House of Commons, 7th March, 1888, by Sir Charles Tupper..... *Printed for Sessional Papers only.*
- 36a. Copy of the statement presented by the British plenipotentiaries to the Fisheries Commission at Washington, in relation to reciprocal trade relations between Canada and the United States, and the answer of the American plenipotentiaries thereto. Presented to the House of Commons, 7th March, 1888, by Sir Charles Tupper..... *Printed for Sessional Papers only.*
- 36b. Two communications in relation to the Fisheries Question—one, written "personally and unofficially," by the Hon. T. B. Bayard, Secretary of State, Washington, U.S., and dated the 31st May, 1887, and addressed to Sir Charles Tupper; and the other, the reply of Sir Charles to Mr. Bayard, also marked "personal and unofficial," and dated the 6th June, 1887. Presented to the House of Commons, 9th March, 1888, by Sir Charles Tupper—  
*Printed for both Distribution and Sessional Papers.*
- 36c. Despatches and Documents having reference to the Fisheries Question. Presented to the House of Commons, 12th April, 1888, by Hon. G. E. Foster—  
*Printed for both Distribution and Sessional Papers.*
37. Detailed statement of all Bonds and Securities registered in the Department of the Secretary of State of Canada, submitted to the Parliament of Canada under section 23, chapter 19, of the "Revised Statutes of Canada." Presented to the House of Commons, 7th March, 1888, by Hon. J. A. Chapleau..... *Not printed.*
38. List of Public Officers to whom Commissions have issued during the year 1887, under the provisions of chapter 19 of the "Revised Statutes of Canada," and submitted to the Parliament of Canada under section 2 of the said Act. Presented to the House of Commons, 7th March, 1888, by Hon. J. A. Chapleau..... *Not printed.*
39. Annual Report (new series) of the Geological and Natural History Survey of Canada, Volume II, 1886. Presented to the House of Commons, 23rd March, 1888, by Hon. Thos. White—  
*Printed for Distribution only.*
40. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 5th March, 1888, for copy of all reports of the commissioners appointed by Royal Commission to enquire into the losses sustained in the North-West Territories during the recent rebellion, and a statement of all payments made under the recommendation of such reports. Presented to the House of Commons, 8th March, 1888.—*Hon. Mr. Laurier*..... *Not printed.*

- 40a.** Return to an Order of the House of Commons, dated 28th March, 1888, for a Return showing the total amount of money disbursed by the Government in consequence of the North-West Rebellion. Presented to the House of Commons, 25th April, 1888.—*Mr. Mulock*.....*Not printed.*
- 40b.** Memorial of the Lieutenant-Governor of the North-West Territories in Council, to His Excellency the Governor General in Council, praying for the introduction of a new method of legislation in the North-West Territories. Presented to the House of Commons, 7th May, 1888, by Sir John A. Macdonald.....*Not printed.*
- 40c.** Return to an Order of the House of Commons, dated 5th March, 1888, for a Return showing the names and residences of each homestead inspector in Manitoba and the North-West; the number of inspections and reports made by each, in each month of the years 1882 '83, '84, '85, '86 and '87. 2. The name of each colonization inspector, his residence, the number of inspections and reports made by each, in each month of the years 1882, '83, '84, '85, '86 and '87, and copies of said reports. Presented to the House of Commons, 19th May, 1888.—*Mr. Watson*—*Not printed.*
- 40d.** Return to an Order of the House of Commons, dated 16th April, 1888, for a Return giving the names and dates of the appointment of each colonization inspector and homestead inspector in the North-West Territories, including Manitoba; the salary paid to each, also the travelling expenses per diem or month; the full amount for salary and travelling or other expenses paid to each from the date of his engagement up to the 1st of January, 1888. Presented to the House of Commons, 19th May, 1888.—*Mr. McMullen*..... *Not printed.*
- 40e.** Return to an Order of the House of Commons, dated 16th April, 1888, for a Return of all lessees of grazing lands under old form of leases. 2. The number of these who have fully complied with the terms of the leases. 3. The number who have partially complied, showing to what extent. 4. The number in arrears for rent, showing to what extent. 5. The number of old leases now entirely unoccupied. Presented to the House of Commons, 19th May, 1888.—*Mr. Davis*.....*Not printed.*
- 40f.** Return to an Order of the House of Commons, dated 28th March, 1888, for a Return giving: 1. The names of all leaseholders in the district of Alberta, North-West Territories. The number of cattle each have on their lease. The date of each latest return, showing the number. 2. Showing whether any are in arrears for rent. 3. Whether the land under lease is good agricultural land. 4. What, if any, return has been made of the loss and suffering of cattle during the winter of 1886-87 in this district. Presented to the House of Commons, 19th May, 1888 —*Sir Richard Cartwright*.....*Not printed.*
- 40g.** Return to an Order of the House of Commons, dated 9th April, 1888, for a Return containing copies of all letters, correspondence, affidavits, &c., connected with the location and sale or settlement of N. ½, section 16, township 24, range 29, west, 4th meridian, North-West Territory. Presented to the House of Commons, 19th May, 1888.—*Mr. McMullen*.....*Not printed.*
- 40h.** Return to an Order of the House of Commons, dated 28th March, 1888, for a Return showing the number of Colonization Companies now in existence in Manitoba and the North-West, the number of settlers they have put on their lands during the years 1885-86-87, the amount of money paid by the several companies on account of lands purchased from the Crown during the same period, the amount of money paid to the Crown on account of purchase of land from the Crown by all other parties during the same years. Presented to the House of Commons, 19th May, 1888.—*Mr. McMullen*..... *Printed for Sessional Papers only.*
- 40i.** Return to an Order of the House of Commons, dated 1st March, 1888, to issue to the proper officer for a return giving copy of instructions to Dominion Land Agents in Manitoba and the North-West, regarding instructions furnished to intending settlers free of charge, and a copy of instructions as to information for which a fee is imposed; the amount of fees received at the several offices during the years 1885-86 and 1887, for such information; the amount of all fees collected from intending settlers during those years, and for which no credit was given in their purchase of Dominion lands. Presented to the House of Commons, 19th May, 1888.—*Mr. McMullen*.....*Not printed.*
- 41.** Return to an Order of the House of Commons, dated 25th April, 1887, for a Return of a copy of the lease from R. T. Wilson to the Dominion Government of the new public offices for the town of Dundas, in the county of Wentworth; report of the Post Office Inspector respecting the present and new post offices; also copies of petitions, correspondence and all other papers relating to the removal of the post office. Presented to the House of Commons, 8th March, 1888.—*Mr. Bain (Wentworth)*.....*Not printed.*

42. Return to an Order of the House of Commons, dated 6th June, 1887, for a copy of the contract with D. A. Duffy for the erection of the new wing of the penitentiary at Dorchester; also any claims or applications made for extras, and also any recommendations for allowance of such claims or any of them, and also all correspondence between the contractor and the Department of Public Works. Presented to the House of Commons, 8th March, 1888.—*Mr. Weldon (St. John)*—*Not printed.*
43. Return to an Order of the House of Commons, dated 27th April, 1887, for copies of all papers, documents, correspondence, &c., in relation to the building of a post office in the town of Montmagny, in the county of Montmagny. Presented to the House of Commons, 8th March, 1888.—*Mr. Choquette*..... *Not printed.*
- 43a. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all correspondence in connection with the purchase of a site for the erection of a post office and custom house in the town of Arichat. Presented to the House of Commons, 8th March, 1888.—*Mr. Flynn*—*Not printed.*
- 43b. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return of all reports, correspondence, petitions or documents relating to the proposed permanent building of a post office and custom house at Strathroy, including any recommendations made respecting its location, character, cost, &c. Presented to the House of Commons, 20th April, 1888.—*Mr. McMullen*..... *Not printed.*
- 43c. Return to an Order of the House of Commons, dated 9th April, 1888, for copies of all letters, memoranda, and other documents, respecting the building of the public edifices at the city of St. Hyacinthe—such as the post office and the customs warehouse, &c. Presented to the House of Commons, 1st May, 1888.—*Mr. Dupont*..... *Not printed.*
- 43d. Return to an Order of the House of Commons, dated 16th April, 1888, for a Return of all correspondence and petitions respecting the construction of building for post office, customs office and inland revenue office in the town of Picton. Presented to the House of Commons, 8th May, 1888.—*Mr. Platt*..... *Not printed.*
44. Return of statement of Dominion Statutes of Canada sold and officially distributed during the last two years, in terms of section 14 of chapter 2 of the Revised Statutes of Canada. Presented to the House of Commons, 13th March, 1888, by Hon. J. A. Chapleau..... *Not printed.*
45. Return to an Order of the House of Commons, dated 29th February, 1888, for a Return in the form used in the statements usually published in the *Gazette*, of the exports and imports from the 1st day of July, 1887, to the 1st day of March, 1888, distinguishing the products of Canada and those of other countries. Presented to the House of Commons, 14th March, 1888.—*Sir Richard Cartwright*..... *Not printed.*
46. Return of new rules and procedure of "the Exchequer Court of Canada," in terms of sections 55 and 56 of chapter 16—50-51 Victoria. Presented to the House of Commons, 19th March, 1888, by Hon. J. A. Chapleau..... *Not printed.*
- 46a. Return in terms of section 109 of the Supreme and Exchequer Court Act, Revised Statutes of Canada, chapter 135, with reference to General Order No. 83 which has been made by the Judges of the Supreme Court of Canada during the past year. Presented to the House of Commons, 4th April, 1888, by Hon. J. A. Chapleau..... *Not printed.*
- 46b. Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return showing the names of all retired judges of superior courts of law or equity in the Dominion of Canada, with the dates of their respective patents, and a copy of the last patent issued to a retired judge of the Superior Court. Presented to the House of Commons, 9th April, 1888.—*Mr. Small*... .. *Not printed.*
47. Return of the Collingwood Marine and General Hospital, for the year 1887. Presented to the House of Commons, 19th May, 1888, by Hon. Mr. Speaker..... *Not printed.*
48. Statement of the affairs of the British Canadian Loan and Investment Company, on 31st December, 1886. Presented to the House of Commons, 19th May, 1888, by Hon. Mr. Speaker—*Not printed.*
49. Return to an Address of the Senate to His Excellency the Governor General, dated 1st March, 1888, praying for a copy of letters signed Jos. H. Bellerose, addressed to the Minister of Justice on the 27th and 28th November, 1887, with the replies thereto in connection with the destruction by fire of the property of Mr. Louis Guimond, of St. Vincent de Paul; also a copy of the

- evidence taken in this matter and of the report made by the Inspector of Penitentiaries after inquiry made and the facts mentioned in the said letters. Presented to the Senate, 21st March, 1888.—*Hon. Mr. Bellerose*.....*Not printed.*
- 49a. Return to an Address of the Senate to His Excellency the Governor General, dated 18th April, 1888, for copy of a letter of the 31st March last from the Honorable Joseph Bellerose, *in re* the burning of Mr. Louis Guimond's property at St. Vincent de Paul; also copy of a letter of James Devlin, Engineer, on the same subject; also copy of the different solemn declarations accompanying the above mentioned letters, and all other documents in correspondence relating to the same subject. Presented to the Senate, 21st May, 1888.—*Hon. Mr. Bellerose*...*Not printed.*
50. Return to an Order of the House of Commons, dated 2nd May, 1887, for a Return showing the names of all the parties who tendered for carrying the mails to and from the board ice at Cape Traverse, Prince Edward Island; the amount of each tender, and to whom contract given. Presented to the House of Commons, 21st March, 1888.—*Mr. Perry*.....*Not printed.*
51. Return to an Address of the House of Commons to His Excellency the Governor General, dated 5th March, 1888, for a Return showing copies of all applications, letters or other communications to the Government, or any department or minister, or any reports, in connection with the application on behalf of the York-Simcoe Battalion for kit allowance whilst on service in the North-West Territories, and of replies thereto. Presented to the House of Commons, 21st March, 1888.—*Mr. Mulock* .....*Not printed.*
52. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 1st March, 1888, for copies of regulations made by the Governor in Council respecting the registry of trade unions. Presented to the House of Commons, 28th March, 1888.—*Mr. Amyot*—*Not printed.*
53. Copies of despatches from Sir L. West to Lord Lansdowne; and from Sir L. West to Lord Salisbury; and also a certified copy of a Report of a Committee of the Honorable the Privy Council, approved by His Excellency the Governor General in Council, relative to the admission of certain articles free of duty when it appears to the satisfaction of the Governor in Council that similar articles from Canada may be imported into the United States free of duty. Presented to the House of Commons, 6th April, 1888, by Sir Charles Tupper...*Printed for Sessional Papers only.*
54. Return to an Order of the House of Commons, dated 28th March, 1888, for a copy of Mr. Parmelee's report to the Honorable Minister of Customs regarding the desirability of making Kamloops an outport of entry. Presented to the House of Commons, 9th April, 1888.—*Mr. Mara*...*Not printed.*
55. Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return showing the date the steamer *Northern Light* commenced running between Prince Edward Island and Pictou, Nova Scotia; the number of trips made; the number of passengers crossed, and the date of last trip made up to date. Presented to the House of Commons, 10th April, 1888.—*Mr. Perry*—*Not printed.*
- 55a. Return to an Order of the House of Commons, dated 29th February, 1888, for a Return showing the names and salaries of all captains in charge of Government steamers, together with the salaries and allowances at present payable to and received by them, together with all petitions, correspondence, telegrams, &c., relative to the pay of the captain of the *Northern Light*, since 1st January, 1879; also for a Return showing the names and number of men employed in or about the *Northern Light* during last summer, from the time she ceased running in the spring of 1887, until she again resumed in the autumn of the same year. Presented to the House of Commons, 10th April, 1888.—*Mr. Welsh*.....*Not printed.*
- 55b. Supplementary Return to an Order of the House of Commons, dated 29th February, 1888, for a Return giving the names and number of men employed in or about the *Northern Light* during last summer, from the time she ceased running in the spring of 1887, until she again resumed in the autumn of same year. Presented to the House of Commons, 9th May, 1888.—*Mr. Welsh*.—*Not printed.*
56. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return showing the total amount of money paid out by the Government in connection with the Liquor License Act. Presented to the House of Commons, 10th April, 1888.—*Mr. Mulock* .....*Not printed.*
57. Return to an Order of the House of Commons, dated 6th June, 1887, for a statement showing the amount of the sums expended since 1867, for repairs and improvements on the wharf at St. Jérôme de Matane. Presented to the House of Commons, 10th April, 1888.—*Mr. Fiset*.....*Not printed.*

58. Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return of the railway accidents which were reported to the Government during 1886, and in respect of which actions are not now pending. Presented to the House of Commons, 12th April, 1888.—*Mr. Denison*.—*Not printed.*
- 58a. Return to an Order of the House of Commons, dated 8th March, 1888, for a Return showing the amount voted each session since 1880 for subsidies to railways, also the amount to each province, and the amount that has been paid. Presented to the House of Commons, 13th April, 1888.—*Mr. Semple* .....*Not printed.*
- 58b. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 9th April, 1888, for copies of all correspondence exchanged with the Imperial Government concerning the disallowance of the Railways Acts of Manitoba. Presented to the House of Commons, 17th April, 1888.—*Mr. Laurier*.....*Printed for both Distribution and Sessional Papers.*
- 58c. Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all correspondence, reports, &c., between Mr. Allan Knight and the Government; also the Railway Department and any of its officers, in relation to damages sustained by him in connection with the Derby Branch Railway, in the county of Northumberland, New Brunswick. Presented to the House of Commons, 2nd May, 1888.—*Mr. Jones (Halifax)* ..... *Not printed.*
- 58d. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 6th June, 1887, for copies of railway surveys from the Strait of Canso to Sydney *via* Grand Narrows, and from the Strait of Canso to Louisbourg *via* St. Peter's, during the summer of 1885, with the estimated cost of both lines. Also copies of surveys from Grand Narrows *via* Boisdale to North Sydney and Sydney. Also copies of surveys between East Bay and St. Peter's; copies of reports and surveys between Sydney and Loch Lomond *via* the Mira and Salmon River Valley, in the year 1886; copies of all telegrams to the Department of Railways during the time of the surveys. Also a copy of Minute of Council adopting the Grand Narrows route *via* Boisdale to North and South Sydney, with the engineer's report on the crossing of the Grand Narrows. Also a copy of all statements and arguments laid before the Government against the Grand Narrows route by the Cape Breton delegation in January last; and also a statement showing the particular route advocated by the said delegation. Presented to the House of Commons, 4th May, 1888.—*Mr. Flynn and Mr. McDougall (Cape Breton)*.....*Not printed.*
- 58e. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all claims presented to the Department of Railways for lands expropriated for the construction of the St. Charles Branch Railway in the county of Lévis; also a statement showing the amount of each claim, the names of those whose claims have been settled up to 1st April, 1887, and the amount awarded to them, and the names of those whose claims are still pending. Presented to the House of Commons, 11th May, 1888.—*Mr. Guay*..... *Not printed.*
- 58f. Return to an Order of the House of Commons, dated 30th April, 1888, for copies of all correspondence between the Department of Railways and Messrs. A. Pion & Co., of Quebec, in relation to a claim for goods damaged on the Intercolonial Railway. Presented to the House of Commons, 11th May, 1888.—*Mr. Langelier (Quebec Centre)*.....*Not printed.*
- 58g. Return to an Order of the House of Commons, dated 18th April, 1888, for copies of correspondence between the Government, or any member thereof, and the municipal councils of the counties of Pictou, Antigonish and Guysboro', Nova Scotia, and any other persons; together with copies of resolutions passed by the said municipal councils relative to the repayment by the Government of moneys paid by the said municipal counties for the right of way for the Eastern Extension Railway, now owned by and in possession of the Government. Presented to the House of Commons, 15th May, 1888.—*Mr. Kirk* .....*Not printed.*
- 58h. Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all papers, writings and reports between Mr. Allan Bryanton and the Government of Canada, or anyone on his behalf, or between the officers of the Government and him or anyone on his behalf, or between the Government and their officers, in relation to the placing of a platform and switch near his place on the line of the Derby Branch Railway, in the county of Northumberland, N.B. Presented to the House of Commons, 15th May, 1888.—*Mr. Jones (Halifax)* ..... *Not printed.*
- 58i. Return to an Order of the House of Commons, dated 16th April, 1888, for all correspondence between Mr. Albert Bryanton and the Railway Department and any of its officers, and anyone on his behalf; also all reports and instructions between said Department and its officers in reference to the placing of a switch and platform at said Bryanton's, on the Derby Branch Railway, in the



- county of Northumberland, New Brunswick. Presented to the House of Commons, 15th May, 1888.—*Mr. Jones (Halifax)*.....*Not printed.*
- 58j.** Papers, correspondence, &c, respecting subsidies to certain railway companies, and towards the construction of certain railways as follow: Quebec Central Railway; Quebec and Lake St. John Railway; Pontiac and Pacific Junction Railway; Montreal and Champlain Junction Railway; Port Arthur, Duluth and Western Railway; and Témiscouata Railway Company. Presented to the House of Commons, 18th May, 1888, by Sir Charles Tupper ..... *Not printed.*
- 58k.** Return (in part) to an Order of the House of Commons, dated 9th April, 1888, for copies of all papers, documents, telegrams and correspondence as to the incorporation of the Great North-West Central Railway Company, or relating to any land grant thereto, or to the construction of the line of the said railway or any part thereof. Presented to the House of Commons, 19th May, 1888.—*Mr. Edgar*..... *Not printed.*
- 58l.** Return (in part) to an Order of the House of Commons, dated 9th April, 1888, for copies of all papers, documents, telegrams and correspondence in connection with the land grant to the Souris and Rocky Mountain Railway Company, or relating to the construction of said railway. Presented to the House of Commons, 19th May, 1888.—*Mr. Edgar*..... *Not printed.*
- 58m.** Return (in part) to an Order of the House of Commons, dated 9th April, 1888, for copies of all papers, documents, telegrams and correspondence in connection with the land grant to the North-West Central Railway Company, or relating to the construction of the said railway. Presented to the House of Commons, 19th May, 1888.—*Mr. Edgar*..... *Not printed.*
- 58n.** Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all correspondence, reports, &c., between Mr. John Knight and the Government; also with the Railway Department and any of its officers, in relation to damages sustained by him in connection with the Derby Branch Railway, in the county of Northumberland, New Brunswick. Presented to the House of Commons, 22nd May, 1888.—*Mr. Jones (Halifax)*..... *Not printed.*
- 58o.** Return to an Order of the House of Commons, dated 16th April, 1888, for all correspondence between Mr. Samuel Russell and the Government of the Dominion, or of any of its officers, with all communications and reports from such officer or officers, in reference to a claim for damages to his property in connection with the Derby Branch Railway, in the county of Northumberland, N.B. Presented to the House of Commons, 22nd May, 1888.—*Mr. Jones (Halifax)*... *Not printed.*
- 58p.** Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all correspondence, reports, &c., between Mr. Patrick Clancy and the Government or any of its officers; also with the Railway Department and any of its officers, in relation to damages sustained by him in connection with the Derby Branch Railway, in the county of Northumberland, New Brunswick. Presented to the House of Commons, 22nd May, 1888.—*Mr. Jones (Halifax)*..... *Not printed.*
- 59.** Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return showing the quantity of rolling stock purchased for the Intercolonial Railway during the last six months ending 31st December, 1887, giving each kind of rolling stock, and whether purchased under contract or otherwise, the parties from whom bought and the cost of each kind; also a statement of what has been built in Government workshops. Presented to the House of Commons, 13th April, 1888.—*Mr. Weldon (St. John)* ..... *Not printed.*
- 59a.** Return to an Order of the House of Commons, dated 8th March, 1888, for a Return giving details of the expenditure on the Intercolonial Railway charged to capital account for the years 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887. Presented to the House of Commons, 13th April, 1888.—*Mr. Jones (Halifax)*..... *Not printed.*
- 59b.** Return to an Order of the House of Commons, dated 28th March, 1888, for a Return of the proceedings of the inquest held at Ste. Flavie, on 23rd September, 1887, on the body of William L. Duncan, killed on the Intercolonial Railway on the previous day, with the evidence taken at such inquest; also any report of any investigation of the accident made by the railway authorities, or any report in connection with such accident made to the Department of Railways and Canals; and also any correspondence had with said Department relating to this matter. Presented to the House of Commons, 18th April, 1888.—*Mr. Weldon (St. John)*..... *Not printed.*
- 59c.** Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all tenders received by the Government, in February last, for fencing the Eastern Extension Railway in Nova Scotia, and the Intercolonial Railway, from Pictou Landing to Windsor Junction; and also a statement showing the names of the party or parties to whom contracts have been awarded, if any have been awarded, and length of fence each has contracted for and amount to be paid for work. Presented to the House of Commons, 27th April, 1888.—*Mr. Kirk*..... *Not printed.*

- 59d. Return to an Order of the House of Commons, dated 18th April, 1888, for copies of all correspondence between J. C. Pottinger, Esq., Superintendent Intercolonial Railway, and Mr. Noël Fortin, of the parish of St. Fabien, respecting accident and damages caused to the latter. Presented to the House of Commons, 30th April, 1888.—*Mr. Fiset*..... *Not printed.*
- 59e. Return to an Order of the House of Commons, dated 2nd March, 1888, for a Return of all casualties to trains on the Intercolonial Railway arising from collisions, broken rails or any other cause from 1st April, 1887, to 1st March, 1888; the respective causes and dates; the names of the conductors, engine-drivers or other officials dismissed, suspended or fined for any such collisions or neglect of duty, the amount of damage (if any) to property in such cases, the amount of compensation paid to owners of property destroyed or damaged, as well as amount of claims for loss or damage to property unsettled (if any). Presented to the House of Commons, 27th April, 1888.—*Mr. Weldon (St. John)* ..... *Not printed.*
- 59f. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 20th April, 1887, for copies of all papers, documents, correspondence, &c., respecting the dismissal of Odias Corbonneau, Eudore Gaumont and Fidèle Pelletier, all three employed on the Intercolonial Railway; the first as telegraph operator at the Chaudière, county of Lévis, the second as section man at St. Thomas, county of Montmagny, and the third as station master at Cap St. Ignace, county of Montmagny. Presented to the House of Commons, 11th May, 1888.—*Mr. Choquette*..... *Not printed.*
60. Return to an Order of the House of Commons, dated 9th April, 1888, for a copy of the contract which now exists between the Government and the contractors for the printing of Dominion Notes, and copies of all correspondence relating to the awarding thereof. Presented to the House of Commons, 16th April, 1888.—*Mr. Edgar*..... *Not printed.*
61. Return to an Address of the Senate, to His Excellency the Governor General, dated 4th April, 1888, for a statement showing total cost of construction of various works for the descent of timber and sawlogs on the Ottawa River and its tributaries, up to the 30th June last; also statement showing the yearly expenditure for the maintenance of the said works for five years preceding the 30th June last, under the different heads of reconstruction, repairs and cost of management, at each of the stations, with the names of river or tributary where the same was expended; likewise copies of any or all applications, whether from individuals or chartered companies, to acquire by purchase or otherwise all or any portion of said works and improvements on the said Ottawa River and tributaries thereof. Presented to the Senate, 18th April, 1888.—*Hon. Mr. Clemow*.—*Not printed.*
- 61a. Return to an Order of the House of Commons, dated 16th April, 1888, for a statement showing total cost of construction of various works for the descent of timber and saw-logs on the Ottawa River and its tributaries, up to the 30th June last; also statement showing the yearly expenditure for the maintenance of the said works for five years preceding the 30th June last, under the different heads of reconstruction, repairs and cost of management, at each of the stations, with the names of river or tributary where the same was expended; likewise copies of any or all applications, whether from individuals or chartered companies, to acquire by purchase or otherwise all or any portion of said works and improvements on the said Ottawa River and tributaries thereof. Presented to the House of Commons, 26th April, 1888.—*Mr. Amyot*..... *Not printed.*
62. Return to an Order of the House of Commons, dated 16th April, 1888, for a Return of all Tenders for Militia Clothing since the 1st of January, 1883, showing the name of each firm or party tendering, the amount of each tender, and the name of the person or firm to whom the contract or contracts were awarded. Presented to the House of Commons, 17th May, 1888.—*Mr. Mc Mullen*.—*Not printed.*
- 62a. Papers relating to the pensions to Gunner Ryan, Montreal Garrison Artillery, and Sergeant Valiquette, 65th Battalion; the salary of Caretaker Bedford, Rifle Range, Quebec; cost of medicines, Infantry Schools at Fredericton, N.B., St. John's, Quebec, and Toronto, Ontario, in 1886-87; and pensions granted to representatives of Capt. F. T. Brown and Lieut. Charles Swinford. Also statement of militia pensions payable on account of rebellion, North-West Territories, 1885, with copies of regulations regarding the issue of active service pensions. Presented to the House of Commons, 17th May, 1888, by Sir Adolphe Caron ..... *Not printed.*
63. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all contracts entered into between the Government and John Harvey for the construction of slides and other improvements on the Mattawa River; also copies of all advertisements asking for tenders for such

- work, copies of such tenders, and all other papers, letters and correspondence between the Government and Harvey relating to such contracts and works. Presented to the House of Commons, 25th April, 1888.—*Mr. Lister*..... *Not printed.*
64. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return of all correspondence, petitions and reports respecting the Chippawa and Ottawa Nation Indians' claim to certain lands in Lake Erie and the Detroit River. Presented to the House of Commons, 25th April, 1888.—*Mr. Patterson (Essex)*..... *Not printed.*
- 64a. Return to an Address of the House of Commons, to His Excellency the Governor General, dated 25th April, 1888, for a Return of copies of all correspondence, charges, papers and orders touching or relating to the dismissal of Archibald Culbertson from the office of Indian Councillor of the Mohawk Band. Presented to the House of Commons, 7th May, 1887.—*Mr. Burdett*.—  
*Not printed.*
- 64b. Return to an Order of the House of Commons, dated 16th April, 1888, for copy of all correspondence between the Government and any person or persons relating to the claim of the Mississauga Indians, under the various treaties in reference to unsundered lands, together with any reports and plans in connection therewith. Presented to the House of Commons, 8th May, 1888.—*Mr. Madill*..... *Not printed.*
- 64c. Return to an Address of the House of Commons to His Excellency the Governor General, dated 9th April, 1888, for copies of all correspondence between the Governments of the Dominion and Ontario, in reference to a claim of the Six Nation Indians for compensation for lands flooded by the construction of a dam across the Grand River, at Dunnville, by the Welland Canal Company, in or about the year 1833; also all Orders in Council and all Departmental Reports bearing upon such claim or the payment thereof. Presented to the House of Commons, 9th May, 1888.—*Mr. Somerville*..... *Not printed.*
- 64d. Return to an Order of the House of Commons, dated 18th April, 1888, for copies of all letters, telegrams and petitions forwarded by Indians of the Caughnawaga Reserve to the Minister of the Interior, asking for an election of chiefs, in accordance with the provisions of the Indian Act; also of all correspondence on the subject between the said Indians, the Minister of the Interior, and the Agent of the Reserve. Presented to the House of Commons, 9th May, 1888.—*Mr. Doyon*..... *Not printed.*
65. Return to an Address of the House of Commons to His Excellency the Governor General, dated 9th April, 1888, for copies of all papers, correspondence, Orders in Council and Departmental Orders not already brought down with reference to: 1. The refusal of the United States authorities to allow Canadian wrecking vessels and machinery to assist Canadian vessels while in distress in United States waters. 2. The refusal of the Canadian authorities to allow United States wrecking vessels and machinery to assist United States vessels while in distress in Canadian waters. Presented to the House of Commons, 26th April, 1888.—*Mr. Edgar*.—  
*Printed for both Distribution and Sessional Papers.*
- 65a. Correspondence relating to the seizure of British vessels in Behring's Sea. Presented to the House of Commons, 26th April, 1888, by Hon. G. E. Foster—  
*Printed for both Distribution and Sessional Papers.*
- 65b. Further correspondence relating to the seizure of British vessels in Behring's Sea. Presented to the House of Commons, 27th April, 1888, by Hon. G. E. Foster—  
*Printed for both Distribution and Sessional Papers.*
- 65c. Additional correspondence relating to the seizure of British vessels in Behring's Sea. Presented to the House of Commons, 18th May, 1888, by Hon. G. E. Foster—  
*Printed for both Distribution and Sessional Papers.*
66. Certified copy of a Report of a Committee of the Privy Council, on the subject of railways in Manitoba, the North-West Territories and British Columbia; together with the report of the Minister of Railways and Canals on the subject, including a copy of a proposed agreement and schedule. Presented to the House of Commons, 30th April, 1888, by Sir Charles Tupper—  
*Not printed.*
67. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all surveys, reports and correspondence in connection with the survey of the Straits of Northumberland with the view of building a subway across the Straits. Also the names of engineers employed, with detailed account of expenses incurred in said survey during the year 1886. Presented to the House of Commons, 4th May, 1888.—*Mr. Perry*..... *Printed for Sessional Papers only.*

- 67a. Return to an Address of the Senate to His Excellency the Governor General, dated 27th March, 1888, for a copy of the plans and reports of the last survey concerning the proposed subway between Cape Traverse, Prince Edward Island, and Cape Tormentine, New Brunswick. Presented to the Senate, 18th April, 1888.—*Hon. Mr. Howland*.....*Printed for Sessional Papers only.*
68. Certified copies of Reports of Committees of the Honorable the Privy Council and other papers, relative to the disallowance of certain Acts passed by the Legislature of the Province of British Columbia. Presented to the House of Commons, 4th May, 1888, by Sir Hector Langevin—  
*Printed for both Distribution and Sessional Papers.*
69. Report of the Quebec Harbor Commissioners, for the year 1887. Presented to the House of Commons, 7th May, 1888, by Sir Charles Tupper..... *Not printed.*
- 69a. Report of the Montreal Harbor Commissioners, for the year 1887. Presented to the House of Commons, 7th May, 1888, by Sir Charles Tupper..... *Not printed.*
- 69b. Return to an Order of the House of Commons, dated 16th April, 1888, for a Return of all correspondence, petitions, reports of engineers, and others, respecting the dredging of Picton Harbor, Bay of Quinté, not already brought down. Presented to the House of Commons, 14th May, 1888.—*Mr. Platt*..... *Not printed.*
70. Return to an Order of the House of Commons, dated 6th June, 1887, for copies of all papers and correspondence relating to any proposed change in the mode of ventilating the House of Commons Chamber. Presented to the House of Commons, 9th May, 1888.—*Mr. Charlton*—  
*Not printed.*
71. Return to an Order of the House of Commons, dated 28th March, 1888, for a Return of the report made by Professor Saunders on the question of location of the Experimental Farm in the North-West, with all letters, documents and papers referring to the several proposed locations and his recommendations in connection therewith. Presented to the House of Commons, 11th May, 1888.—*Mr. McMullen*..... *Not printed.*
72. Return to an Order of the House of Commons, dated 16th April, 1888, for a copy of all correspondence, reports and recommendations having reference to the claim of Captain George H. Young, of Winnipeg, that he and Stretchermen Bailey and King, of the 90th Battalion, rescued the wounded Priest, Rev. Father Moulin, at Batoche, on the 11th May, 1885; and that the said rescue was not effected by Doctor Gravely, of Cornwall, as stated in the report of the Surgeon General of Militia as presented to Parliament in May, 1886. Presented to the House of Commons, 14th May, 1888.—*Mr. Daly*..... *Not printed.*
73. A certified copy of a Report of a Committee of the Honorable the Privy Council, approved by His Excellency the Governor General in Council on 23rd July, 1887, on a Memorandum dated 19th July, 1887, from the Minister of Public Works, concurring in the recommendation contained in the annexed report of the Superintendent of Government Telegraphy, and recommending that the necessary steps be taken to enable the Dominion to enter into the convention for the protection of submarine cables. Presented to the Senate, 6th April, 1888, by Hon. Mr. Abbott..... *Not printed.*
74. General statements and returns of baptisms, marriages and burials in the districts of Arthabaska, Chicoutimi, Gaspé, Iberville, Joliette, Montmagny and Saguenay, for the year 1887. Presented to the House of Commons, 19th May, 1888, by Hon. Mr. Speaker..... *Not printed.*
75. Return to an Order of the House of Commons, dated 16th April, 1888, for copies of all papers concerning the application of George J. McDonald, in connection with the Centennial Exhibition of 1878. Presented to the House of Commons, 21st May, 1888.—*Mr. Landerkin*—  
*Not printed.*
76. Return to an Address of the Senate to His Excellency the Governor General, dated 27th March, 1888, praying that His Excellency will be pleased to cause to be laid before this House, a copy of the proceedings of the Colonial Conference at London, in 1887, so far as they relate to Imperial postal and telegraphic communications through Canada, together with any correspondence between the Imperial authorities and the Dominion Government or any of its Departments on that subject since the date of the Conference. Presented to the Senate, 18th May, 1888.—*Hon. Mr. Dickey*..... *Printed for both Distribution and Sessional Papers.*

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77. Return to an Address of the Senate to His Excellency the Governor General, dated 5th May, 1886, for copies of all applications for patents and a list of all patents issued, together with a list of persons who received such patents in: Township 8, ranges 1 and 2, east; township 8, ranges 1 and 2, west; township 9, range 1, east; township 9, ranges 1 and 2, west; township 10, ranges 1 and 2, east; township 10, ranges 1 and 2, west. Also sections 11 and 29 in township 10, range 2, west, and in all other lands comprised in the Goulet Rivière Salé survey. Also for copies of all applications for scrip, a list of scrip issued, and a schedule of the names of all persons receiving such scrip issued upon such applications for, in connection with, or in lieu of said lands. Presented to the Senate, 21st May, 1888.—*Hon. Mr. Schultz.....Not printed.*
78. Return to an Address of the Senate to His Excellency the Governor General, dated 10th April, 1888, showing the amount it has cost Canada to maintain the Governor General's office from Confederation to the first of January, 1888, for salaries, residence, travelling and all other incidental expenses, so made as to show the amount charged to each and every of them respectively. Presented to the Senate, 22nd May, 1888.—*Hon. Mr. O' Donohoe.....Not printed.*
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# TWENTIETH ANNUAL REPORT

OF THE

# DEPARTMENT OF MARINE

FOR THE

FISCAL YEAR ENDED 30th JUNE,

1887.

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Printed by Order of Parliament.

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OTTAWA:  
PRINTED BY MACLEAN, ROGER & CO., WELLINGTON STREET,  
1888



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To His Excellency the Most Honourable Sir Henry Charles Keith Petty-Fitzmaurice, Marquis of Lansdowne, in the County of Somerset, Earl of Wycombe, of Chipping Wycombe, in the County of Bucks, Viscount Calne and Calnstone, in the County of Wilts, and Lord Wycombe, Baron of Chipping Wycombe, in the County of Bucks, in the Peerage of Great Britain; Earl of Kerry and Earl of Shelburne, Viscount Clanmaurice and Fitzmaurice, Baron of Kerry, Lixnaw and Dunkerron, in the Peerage of Ireland; Knight Grand Cross of the Most Distinguished Order of Saint Michael and Saint George; Governor General of Canada, and Vice Admiral of the same, &c., &c.

MAY IT PLEASE YOUR EXCELLENCY:

I have the honour to submit herewith, for the information of Your Excellency and the Legislature of Canada, the Twentieth Annual Report of the Department of Marine, and the financial statements connected therewith, being for the fiscal year ended 30th June, 1887.

I have the honour to be,  
Your Excellency's most obedient servant,

GEO. E. FOSTER,  
*Minister of Marine and Fisheries.*

DEPARTMENT OF MARINE,  
OTTAWA, 1st January, 1888.



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REPORT  
OF THE  
DEPUTY MINISTER.

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To the Honourable  
GEORGE E. FOSTER,  
Minister of Marine and Fisheries.

SIR,—I have the honour to report on the transactions of this Department for the fiscal year ended the 30th June last, and to give an account of a considerable portion of the business up to 31st December, 1887.

One supplement will be issued with this report, comprising the reports of the Chairmen of the Boards of Steamboat Inspection, and of Examiners of Masters and Mates; the reports of the Toronto, Montreal, Quebec and Pictou Harbour Commissioners, the Pilotage Authorities, the Harbour Masters, the Port Wardens and the Harbour Police of Montreal and Quebec, together with statements of wrecks and casualties, and list of rewards for saving life.

The total amount expended on the various branches of the public service administered by this Department, including the salaries of the establishment staff, during the fiscal year ended 30th June last, was \$937,051.96 while the total amount voted was \$989,722.50, which last named amount includes the departmental salaries.

The whole number of persons engaged in the outside service of the Department at the close of the calendar year was 1460.

The lighthouse service of the Dominion is divided as follows, viz. :—The Ontario Division, embracing lights above Montreal; the Quebec Division, extending below Montreal, and including the River and Gulf of St. Lawrence; the Nova Scotia Division; the New Brunswick Division; the Prince Edward Island Division, and the British Columbia Division. The total number of light stations in the Dominion on the 31st December last was 561, and of lights shown 658; the number of steam fog-whistles and automatic fog-horns 47, and the number of light-keepers, engineers of fog-whistles and other assistants, with crews of lightships was 711.

The following is the number of lights shown, of fog-whistles and automatic fog-horns in the several Provinces in the Dominion, on the 31st December of each year from 1868 to 1888, inclusive.

In these numbers are the light stations on the coast of Newfoundland maintained by the Dominion.

	Light Stations.	Light-Houses.	Fog-Whistles.	Automatic Fog-horns.
31st December, 1868.....	198	227	2	.....
do 1869.....	219	233	2	.....
do 1870.....	240	278	4	.....
do 1871.....	264	297	8	.....
do 1872.....	280	314	13	.....
do 1873.....	316	363	17	.....
do 1874.....	342	384	18	.....
do 1875.....	377	444	22	.....
do 1876.....	407	488	24	.....
do 1877.....	416	509	25	2
do 1878.....	427	518	25	4
do 1879.....	443	542	23	6
do 1880.....	452	551	22	7
do 1881.....	462	553	23	9
do 1882.....	470	562	23	9
do 1883.....	484	578	23	9
do 1884.....	507	597	23	10
do 1885.....	526	617	23	12
do 1886.....	534	625	23	16
do 1887.....	561	658	23	24

#### ONTARIO LIGHTHOUSE DIVISION.

This division includes the lighthouses and lightships in that part of the Province of Quebec lying west of Montreal, as also all the lights in the Province of Ontario, embracing the lights on the Ottawa River, the St. Lawrence River above Montreal, the great lakes, some of the smaller inland lakes and a lighthouse and lightship on Lake Winnipeg.

The number of lights in the Ontario division, inclusive of the two in Manitoba, is 179. This number comprises lighthouses, light-beacons and lightships maintained by the Dominion. There are 246 buoys and 19 beacons.

The number of light-keepers in this division, paid directly by the Government, is 150, but in several cases assistants are employed by keepers and paid by them out of the allowance made by the Government for that purpose.

The lights in this division, with the exception of those on the Ottawa River and small lakes, were inspected, during the months of July and August, by Mr. Patrick Harty, Superintendent of Lights, and supplied with the necessary stores,

the steamer "Canada" having been chartered for the purpose, for the sum of \$2,200.

The following work has been done in lighthouse construction during the past season:—

A tower and dwelling house were built on Victoria Island, Lake Superior, as contemplated, and the light put in operation last autumn, the temporary light up to that time shown hoisted on a pole being at the same time discontinued. The light is fixed white, elevated 89 feet above the lake, and visible fifteen miles all around the horizon, except where intercepted by trees on the north and east parts of the island. The illuminating apparatus is dioptric of small size. The tower is a square wooden building painted white, surmounted by an iron lantern painted red. It stands upon a high rock rising abruptly from the low ground near the western extremity of the island. The building is 30 feet high from the rock to the vane on the lantern. The keeper's dwelling and outbuildings, also of wood painted white, stand on the lower ground to the south and westward of the tower. The work was done under contract by Mr. John George, the contract price being \$2,773. The total expenditure in connection with the work amounted to \$3,949.12.

As indicated in last year's report the lighthouse at Port Arthur was successfully moved on the ice to the westernmost end of the breakwater built out in the bay to protect the harbor, a distance of about 2,320 feet, S. E.  $\frac{1}{2}$  S. from its former position. It has been established upon a cribwork block rising 5 feet above the deck of the breakwater, and is 31 feet from the extreme end of the breakwater. The light is fixed white, elevated 43 feet above the lake, and visible 11 miles. It was first shown in its new position on the opening of navigation last year. The fixed red light temporarily maintained at this point was discontinued, and no light is now shown from the former position of the tower on the Canadian Pacific Railway wharf. The work was done under the superintendence of Mr. William Murdoch, Engineer of the Public Works Department, and cost \$509.51.

Mr. D. M. S. White successfully completed his contract for the erection of two beacon lights on Lake Nipissing. One of these is established on the extremity of a point near Mr. N. M. Campbell's tannery on the west side of the mouth of South River, in such a position as to guide steamers to the mouth of the river past the shoals that extend northward and eastward from it. The light, which was first put in operation on the 25th May last, is fixed white, shown from a lenticular lantern hoisted on a mast elevated 28 feet above the lake, and visible ten miles. The mast is 25 feet high, and has a wooden shed painted white at its base.

The other light on Lake Nipissing, which was put in operation on the same day, is located at the entrance to South-East Bay. It is fixed white, elevated 30 feet above the lake, and visible ten miles. The illuminating apparatus is dioptric

of small size. The lighthouse tower is a square wooden building 21 feet high, painted white, with a red roof, and stands upon a cribwork pier which was built for its reception by Mr. J. R. Booth at no expense to the Department, the stipulation made in changing the site of this light being that it should be done without involving any extra expenditure on the public service. The total cost in connection with erecting these two lights has been \$729.85.

It was again found necessary to postpone the erection of the range lights to indicate the dredged channel over the Lime Kiln Crossing, near Amherstburg, on Detroit River, in consequence of the further widening of the channel by the United States Government. If it is ascertained that no further widening, beyond the 400 feet now proposed, is in contemplation in the near future, the construction of this range will probably be proceeded with during the coming season.

As proposed, the pier at Point Clair, in Lake St. Louis, which was damaged by ice in the spring of 1886, has been repaired and raised 3 feet in height, and surmounted by a new lighthouse which will be put in operation on the opening of navigation this year. The light, which will replace the temporary light maintained since the accident, will be fixed white, elevated 32 feet above summer level of the lake and visible 10 miles. The illuminating apparatus is dioptric of small size. The new tower is a square wooden building with a small dwelling attached, and is painted white, with the iron lantern red, its extreme height being 32 feet. This work was done under contract by Mr. J. Sheridan, of Montreal, contract price being \$2,475 and the total cost of the work \$3,278.17.

The Dorval pier and light have been similarly reconstructed, and on the opening of navigation this year the new light will be put in operation, replacing a temporary light. It will be fixed white, elevated 37 feet above the summer level of the lake and visible 11 miles. The illuminating apparatus is dioptric of small size. The lighthouse tower is a square wooden building with a small dwelling attached and is painted white with the iron lantern red. Its extreme height is 31 feet. This work was done under contract by Mr. Roderick Cameron, of Lancaster, Ontario, contract price was \$1,825, and the total expenditure in connection with the work \$2,472.45.

The east pier at the entrance to Oakville Harbour, Lake Ontario, having been rebuilt by the Public Works Department, the temporary light which had been maintained since the destruction of the old pier beside the inner end thereof was immediately moved on to the outer end of the new work. Plans and specifications for a new lighthouse with block under it have been prepared and a contract for the work of erecting a new lighthouse has been awarded to Mr. John George of Port Elgin, for the sum of \$937.

Messrs. Carroll & Pedwell's contract to build a beacon light on the outer end of the pier at Thornbury, in the Georgian Bay, was satisfactorily completed, and the light was put in operation on the 18th May last. It is fixed red and is shown from a lenticular lantern hoisted on a mast at a height of 32 feet above the bay. It should be visible 7 miles. The mast is 25 feet high and at its base is a small wooden shed painted drab with a red roof.

Tenders have not yet been invited for the two range lights which it is proposed to erect at Killarney ; other and more important work having delayed the preparation of plans and specification. It is proposed to proceed with these buildings on the opening of navigation this year.

It is proposed to further improve the range of lights at Kingsville, Lake Erie, by erecting a tower for the back range light and removing it from the window of Captain Malott's dwelling. This work will probably be carried out under contract during the coming season.

It is intended to establish range lights at Point au Baril, on the Georgian Bay, to lead into the inside passage among the islands at that place. Plans were prepared for this work last year, but it having been decided to erect better buildings than was at first intended, new plans will be prepared and the work let at an early date.

In consequence of the deepening of the Welland Canal it was found necessary to change the range of lights at Port Colborne, Lake Erie, as in their former position they led over the end of a bar with less water than could be got in the canal. The inner range light has consequently been removed to the inner angle of the east breakwater pier, where it has been established on a crib-work block built to receive it.

The lights are now 2030 feet apart and range 5 by  $W\frac{1}{2}W$  which leads clear to the east-ward of Sugar Loaf Reef. The opportunity of doing this work was embraced to make extensive repairs to the foundation of the main light tower and to the elevated walk, which had been partly washed away by a storm during the previous fall. This work was carried out by Messrs. Mathews & Anther, the contract price being \$1,900

A mast light has been established at Kagawong, at the foot of Mudge Bay, on Manitoulin Island, Lake Huron. It will be ready to go into operation on the opening of navigation this year. It was built by Mr. John Gray from plans furnished by this Department ; the cost will appear in next year's accounts.

It has been decided to establish a fog-alarm at the Great Duck Island Light Station, Lake Huron, and tenders have been asked for the work. The fog-alarm



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building will be of wood, brick lined, and sufficiently large to contain duplicate machines.

It is proposed to build, during the coming year, a coast light on Cape Gargantua, Lake Superior, and harbour lights at Round Island, on the east coast of Lake Huron, and at the mouth of the River Trent, Bay of Quinté. Plans and specifications will be prepared for these works during the coming season.

Plans and specifications have been prepared, and a contract let, for the new dwelling for the light-keeper at Point Pelée, referred to in my report of last year. The work will be proceeded with as soon as the weather permits next spring.

A contract has been entered into with Mr. Robert Reed, to pile around the cribwork pier on which the outer range light stands, at Owen Sound, Georgian Bay, and to execute other repairs at that station. This work will be completed during the present winter. The contract price is \$400.

A contract has also been let to Mr. George Wilson, at \$1,480, to build a boat-shelter pier and execute repairs at the light-station at Cole's Shoal, River St. Lawrence, and the work is now in progress.

A contract has also been let to Mr. William Phillips, at \$290, to protect the pier at Jackstraw Light Station, River St. Lawrence, with riprap, and that work is now in progress.

A wire-rope railing, to prevent the light-keeper at Burlington Canal from being washed off the pier during autumn storms, was provided last year at a cost of \$143.

A cribwork groyne, to protect the beach in front of the lighthouse on Pelée Island, Lake Erie, was built under the Department's immediate supervision, during the past season, and cost \$878.62.

A breastwork protection, with groynes, was likewise built in front of the lighthouse on Christian Island, Georgian Bay, at a cost of \$273.20, and a small breastwork at Tobermory, which cost \$33.20.

The total cost of maintaining the lights, light-vessels, fog bells, buoys and beacons in this division, including the Manitoba lights and lightship, for the last fiscal year, was \$75,690.74, and the expenditure for construction of lights, during the same period, was \$18,383.20.

#### QUEBEC LIGHTHOUSE DIVISION.

This division comprises the lighthouses and lightships below Montreal, on the River St. Lawrence, and on the Richelieu River and Lake Memphramagog, as well

as all the lighthouses, lightships, steam fog-whistles, gas, bell and other buoys and beacons in the River and Gulf of St. Lawrence, within the limits of the Province of Quebec, and on the north-west coast of Newfoundland and the Labrador coast. This important division is under the charge of Mr. J. U. Gregory, Agent of the Department at Quebec, who also has under his superintendence the Dominion steamers "Napoleon III" and "Druid," as well as the Quebec River Police Force.

At the close of navigation there were in this division 149 fixed and revolving lights; 8 lightships, 3 of which are supplied with steam fog-whistles; 7 steam fog-whistles or horns; 10 fog-guns; 109 buoys, 8 of which are gas buoys; 59 beacons and 9 life-saving canoes for service in the ice.

The lights situated between Quebec and Montreal were supplied during the past season by the steamer "Druid," as well as those on the north shore between Quebec and Portneuf, and as far as Father Point on the south shore; as also the lights on the Gaspé coast and Seven Islands, Egg Island and Point des Monts on the north shore of the St. Lawrence.

The lights in the Gulf of St. Lawrence, Straits of Belle Isle and Baie des Chaleurs were supplied by the steamer "Napoleon," two trips having been made for that purpose, viz., one in August and another in October.

All the light stations visited were inspected by Mr. J. B. Bruneau, who has been acting in the capacity of inspector since the death of Mr. William Barbour.

The following is a synopsis of the principal repairs and improvements made at the lighthouse stations in this division during the past season, exclusive of the ordinary painting which was done wherever required:—

#### LIGHTS BETWEEN QUEBEC AND MONTREAL.

##### *Lavaltrie.*

Stone rip-rap carried away by the spring ice was replaced around the pier.

##### *Isle aux Raisins.*

The small pier damaged by spring ice was repaired and the channel between the lights cleared out.

##### *Isle à la Pierre.*

The pier damaged by ice last spring was repaired.

##### *Port St. Francis.*

A new pier was built for the front range light.

##### *Repentigny.*

Posts and stones were placed around the front range tower to protect it from the ice.

## LIGHTS BELOW QUEBEC.

*Algernon Rock.*

Four new pieces of boiler plate were put on the pier to replace those that were carried away by the ice last winter.

*Bird Rocks.*

A new light house and oil shed were constructed; also a small house for steam winch and boiler, and some necessary repairs were made to dwelling and other buildings.

*Cape Bauld.*

A fog-horn house for a spare horn was completed and extensive repairs were made to the tower and dwelling.

*Lower Traverse.*

The two small dioptric head lights were changed for others that had less obstructions around them and the light thereby improved.

*Red Island Lighthouse.*

A new oil shed was erected.

*South Point, Anticosti.*

An oil shed was erected. A new boiler for the steam fog-whistle was landed and put in operation, and the old one brought to Quebec to be repaired.

*West Point, Anticosti.*

A stone breakwater was constructed to protect the tower and dwelling, at a cost of \$1,510.34.

A fog-horn operated by steam and compressed air has been established at Greenly Island Light Station, in the Strait of Belle Isle, Labrador, and will be put in operation on the opening of navigation in the spring. The horn will sound blasts of 10 seconds duration, with intervals of 50 seconds between the blasts.

The fog-alarm building is situate about 100 yards south of the lighthouse on the south-west part of the island, and is of wood, painted white, with a red roof.

The fog gun heretofore maintained at this station will be discontinued when the horn goes into operation.

On the 16th October last, the Lower Traverse Light Ship was sunk at her moorings, having been run into by the ship "Loyal," and a temporary light was immediately shown from a vessel moored close to the place where the lightship was

sunk. Efforts were made to raise the vessel, but owing to the rough weather and the lateness of the season, it was deemed advisable to suspend operations until next spring.

#### GAS BUOYS.

During the past season, two additional gas buoys on the Pintsch system were established in the River St. Lawrence below Quebec. One on the west end of Madam Island Reef, replacing the red can buoy previously maintained at that point; the other on the west end of Margaret Island bank, to enable vessels to call at the Quarantine Station by night.

The total amount expended for the maintenance of lights, lightships, provision depôts, buoys, beacons and fog-whistles in this division during the year ended 30th June last amounted to \$148,276.29

#### NOVA SCOTIA LIGHTHOUSE DIVISION.

This division, in charge of Mr. H. W. Johnston, Agent of the Department for the Province, includes at this date 153 lighthouses, exhibiting 163 lights, 1 light vessel, 12 steam fog-alarms, 2 fog-bells, 3 signal gun stations, 8 automatic signal buoys, 5 iron bell buoys, 95 iron can buoys, about 460 spar and other small buoys, 8 stationary beacons, 8 lifeboat stations, 3 humane establishments, and 4 signal stations.

The light stations were inspected by Mr. C. A. Hutchins, the Inspector of Lights, accompanied by Mr. Warner, engineer of the "Newfield," who also carefully examined the fog-alarms and their boilers and machinery.

Two new lights have been established and put in operation during the past year, a new tower erected, and necessary repairs and improvements effected at various stations. Additions have also been made to the buoyage service, and this important and rapidly increasing branch of the service has received the careful attention of the Inspector with a view to improving its effectiveness and economizing expense.

#### NEW LIGHTS COMPLETED THIS YEAR.

##### *Beaver Harbor.*

A pole light, with shelter shed for keeper, has been erected under contract by Mr. Patrick Fahey, for the sum of \$425, on Beaver Point. This light is intended for the guidance of vessels seeking anchorage in Beaver Harbour. It is fixed red, elevated about 40 feet above high water mark, and is displayed from a lantern hoisted on a mast 25 feet high, with a shed at its base, and the light should be visible five miles. This light was put in operation on the 15th October last.

*Sheet Harbour Passage.*

A light has been established in the dwelling of Mr. James Wambolt, Sheet Harbour Passage, for the benefit of vessels navigating Sheet Harbour Passage. The light, which is fixed red, is displayed from a window in the keeper's dwelling, elevated about 42 feet above high water mark, and should be visible 5 miles. It was put in operation on the 28th September last.

*Digby.*

A lantern on a pole, exhibiting a red light, has been established at the inner end of the warehouse on the Digby Pier.

## FOG ALARM STATIONS.

*Scatterie.*

A new set of tubes has been fitted in boiler, a new Judson governor supplied, and machinery overhauled and put in order.

*Cranberry Head Fog-Alarm.*

The fog-alarm established on Cranberry Head, on the northern side of the entrance to Sydney Harbour, Cape Breton, was put in operation on the opening of navigation this year. The horn is operated by compressed air, and will, when required, sound blasts of 10 seconds' duration, with intervals of 50 seconds between the blasts.

*St. Paul's.*

A number of new tubes have been fitted in boiler and the top row of tubes plugged. An iron tank and 140 feet of iron piping for supplying water from spring to reservoir, have been furnished.

*Cranberry Island.*

Machinery repaired and put in good working condition. Roof of whistle house repaired, and 190 feet of iron piping supplied to carry water from pools during dry seasons to the reservoir.

*Sambro.*

A Crosby automatic signal apparatus has been attached to the machinery at this station, which has been found to effect a considerable saving in fuel and water and also saves the running of the engine. New exhaust pipes have been fitted to boiler to carry the water and steam clear of the foundation of coal shed adjoining the whistle house. The sills, joists and floor of coal shed have been removed, and a new derrick erected at landing.

*Cross Island.*

General repairs to boiler and machinery have been made, two manhole rubber joints and union supplied and operating valve reground.

*Shelburne.*

Fog-whistle machinery generally overhauled and repaired.

*Seal Island.*

A new set of tubes fitted to boiler, seams caulked, new coal shed built and general repairs effected.

*Brier Island.*

Hard patch inside furnace and two soft patches placed on outside shell of boiler. New steps built at entrance to whistle house.

*Cape d'Or.*

The sum of \$200 has been expended in repairing road from Horse Shoe Cove to Station.

The following is a statement of the repairs and improvements effected at the different light stations during the past year :—

*Egg Island.*

A new clockwork machine to revolve the illuminating apparatus has been fitted up and the old one brought off for necessary repairs. The landing slip has been renewed and sundry small repairs done to buildings.

*Pope's Harbour.*

A new boathouse has been erected, planks of lantern deck renewed and deck covered with canvas.

*Sheet Rock.*

A crib work block built at end of landing slip and slip repaired. A new boat supplied.

*Peggy's Point.*

An iron lantern, formerly in use at Ironbound Island, has been fitted up in place of the old lantern, which was found to be worn and unfit for service, and a new deck and base built to receive lantern.

*Westhaver Island.*

On the 28th June last a fire occurred at this station resulting in the total destruction of the lighthouse and contents. The oil store and boathouse were saved. An investigation into the cause of the fire has been held by the Inspector, but no satisfactory conclusion has been arrived at. The fire is supposed to have been the work of an incendiary.

A temporary pole has been erected until a permanent light can be established.

*Negro Island.*

The old tower which stood about 20 feet from the keeper's dwelling, having been condemned, a new tower was erected during the past year, under contract by Mr. DeChamp. The new tower stands at the eastern end of keeper's dwelling, with which it is connected.

*Bon Portage.*

The tower has been stripped and re-shingled, new storm door provided for kitchen, deck of lantern repaired and all new work painted. The revolving clock work was also repaired.

*Barrington Lightship.*

The lightship was withdrawn last fall for the winter months, being considered too weak to withstand the winter gales. She was temporarily repaired and placed in position on the opening of navigation. After a further examination had been made while the vessel was hauled up ashore, it was found necessary to condemn her as unfit for service, and call for tenders for the construction of a new vessel. The tender of Mr. McGill having been accepted, he at once proceeded to build a vessel in accordance with specifications furnished by the Department, and she was placed at her station in November last.

*Seal Island.*

Extensive improvements and repairs have been effected at this station, of which the following is a summary:—The old portion of the keeper's dwelling was taken down and a new addition built to the new part, 31 feet square. Repairs were made to the plaster and inside finish of the old part. A new coal shed was erected adjoining the whistle house, and a brick chimney erected at the whistle house in place of the old iron smoke stack. The extensive landing slip has been thoroughly repaired and re-planked, and a commodious boathouse erected at the head of the slip for the accommodation of the life-boat. A new-life boat built at the Marine Wharf, especially for the requirements of this station, has been sent to the island and stored in boathouse ready for use in case of emergency. The lighthouse and other buildings have been painted.

*Shafner's Point.*

A substantial stone retaining wall has been built on the face of embankment in front of the lighthouse.

*Advocate Harbour.*

It having been decided to remove the lighthouse to the opposite side of the channel, tenders were invited for the work of removal and building an addition to tower for accommodation of the keeper's family. The tender of Messrs. Thomas George Livingstone, for \$875, being the lowest, was accepted, and the work is now in progress and expected to be completed about the end of October.

The following pole lights in Minas Basin have been changed from white to red lights, and have been supplied with lanterns: Masstown, Economy, Little Dyke and Port au Pique.

#### BUOY SERVICE.

The large iron can buoy at Brig Rock was carried adrift from its station in April last, but was picked up by fishermen off Ship Harbour; the moorings, however, were lost.

The automatic buoy off Sheet Harbour was carried adrift by the ice in May last. It was picked up off Beaver Harbour by fishermen, with loss of moorings, whistle and guard, and two plates damaged. The buoy was brought to Halifax by the "Newfield" and repaired.

In December last the automatic buoy on the Lurcher Shoal was found to have drifted into six fathoms of water. On examination of the moorings the flue of the anchor was found broken off. A new buoy, with moorings, was placed by the "Newfield."

The automatic buoy on the Blonde Rock, which was lost in December, 1883, has never been recovered, and the shoal remained without any mark up to October last, when a new buoy was placed by the "Lansdowne" at the same place as the former one.

Large iron can buoys were placed, one off the shoal of the Cape Jack Ledges: one on the Orpheus Rock; one at Farens Ledge, off Lockeport Harbour; one on Kelly's Shoal; one on the Roaring Bull, Yarmouth.

A number of small iron can buoys and spar buoys have been placed on various parts of the coast and in the harbours of the Province.

As a means of distinguishing more readily the black and red spar buoys, the experiment has been tried of having a ball on top of the red or starboard buoys. The red starboard buoys in Lennox Passage, St. Peter's Bay, the Bras d'Or Lakes, Louisburg and Arichat have been fitted with balls. This is found to be such an improvement, that it is likely all red spar buoys will be fitted with balls this winter, before being replaced on the opening of navigation.

#### *Sable Island.*

Carpenters and building materials were taken to the Island last June by the "Newfield," to effect necessary repairs and improvements. A new boathouse was erected at the East End Station, with three cradles for boats, and a tramway from boathouse to water; a shed built near the east end barn, and repairs made to the foot of lake barn; re-shingling done to roof of sailors' home and the root cellar; a new lookout placed at the main station.



## LIFE-BOATS.

Three new self-righting and self-bailing boats have been built by Mr. John Williams, of Dartmouth. They are still in store, awaiting a decision as to their location.

The total cost of maintenance of the lights, steam fog-whistles, &c., in the Province of Nova Scotia, including humane establishments at Sable Island, St. Paul and Scatterie, for the last fiscal year, amounted to \$117,808.53, and the amount expended during the same period on construction of lights was \$5,330.89.

## NEW BRUNSWICK LIGHTHOUSE DIVISION.

This division comprises all the lighthouses, fog-whistles, buoys and beacons on the coasts and rivers of the Province of New Brunswick, and is under the charge of Mr. J. H. Harding, Agent of the Department at St. John, N.B. In this division there were at the close of navigation 107 lighthouses, including 2 lightships and 13 fog-alarms, under the charge of 93 lightkeepers and engineers.

During the past year new lights and fog alarms have been established as follows:—

A beacon light on the north side of the entrance to Little Shippegan Gully, Miscou Harbour, in the County of Gloucester, to mark the entrance through the gully to Little Shippegan or Miscou Harbour from the Gulf of St. Lawrence. It consists of a fixed white light, shown from a small dioptric lantern hoisted on a mast 45 feet above high water mark and visible 7 miles from all points of approach.

A beacon light on Harper's Point, at the western entrance from Chaleur Bay to Little Shippegan or Miscou Harbour. It consists of a fixed white light shown from a small dioptric lantern hoisted on a mast 38 feet above high water mark, and is visible six miles from all points of approach.

A beacon light upon the outer end of the eastern breakwater pier at Quaco or St. Martin's on the Bay of Fundy, in the County of St. John. It consists of a small square wooden tower, painted white, showing a fixed red light, elevated 20 feet above high water. This light serves to mark the entrance into Quaco Inner Harbour.

A fog-horn operated mechanically by compressed air has been established at the West Quaco Head Light Station, on the north shore of the Bay of Fundy. The alarm when required will sound blasts of 9 seconds' duration with intervals of 30 seconds between the blasts. The horn was put in operation on the 1st September last. It will be a great aid to coasters in making the harbour for anchorage.

The fog-horn on Big Duck Island, off the east coast of Grand Manan, Bay of

Fundy, was put in operation on the 1st October last. It is giving great satisfaction to the fishermen and vessels coasting around the south and east sides of the island.

The following is a synopsis of the principal repairs and improvements effected at the lighthouse stations in this division, during the past season :—

*Beaver Harbour Light.*

General repairs have been effected on all the buildings at this station. The lighthouse and dwelling were also painted and a road laid out.

*Bliss Island Light.*

A small addition was made to the keeper's dwelling.

*Beacon Light St. John Harbour.*

A portion of the tower renewed and other repairs effected.

*Cox's Point Light.*

The lighthouse at this station, which had been overturned by the ice and heavy freshet, has been raised and put in good order.

*Cape Spencer Light.*

Repairs to lighthouse and other buildings, and lighting apparatus, carried out.

*Gannet Rock Light.*

The iron posts being rusted and the platforms around the building rotten, a row of two-inch iron posts was placed around the building, on which were placed heavy timbers and the platforms and bulkheads renewed, and new railing posts and bracings were placed around the entire building, and other repairs carried out.

*Head Harbour Light.*

Extensive repairs were carried out at this station during the year. The old lantern was taken down and all the decayed woodwork renewed. A new iron lantern, with large plate glass windows, was erected, and a third order dioptric light placed in the lantern. An addition was also made to the engineer's dwelling at the fog-alarm station.

*Machias Seal Island Light and Fog-Alarm.*

The lighthouse and other buildings painted and necessary repairs effected. The boiler was all overhauled and put in thorough repair, but it was deemed advisable to have the boiler which belonged to Lepreaux Station repaired for use at this station. This has been carried out at a cost of \$530, but owing to the lateness of the season, it has not been found practicable to land it on the island.

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*McMann's Point Light.*

The heavy freshets of last spring rendered repairs necessary to the foundation of this lighthouse, which have been carried out.

*Partridge Island Light and Alarm.*

Extensive repairs effected at this station and a new lantern, with dioptric light, erected. The new light gives much satisfaction, and our Agent reports that it is a great improvement on the old light. The western boiler of the fog-alarm at this station was also repaired and the capacity of the storing reservoir enlarged, so that there is now an abundant supply of water at all seasons of the year.

*Passamaquoddy Bay Light.*

The lighthouse block repaired, the landing on the north and south side of the lighthouse improved, and a coal shed erected.

*Quaco Light.*

A new road was made round the lighthouse to the landing, and the lower landing, injured during the winter by a heavy storm, has been repaired and re-ballasted.

*Southern Wolf Light.*

A new boathouse was built at this station.

*South-West Head Light.*

General repairs carried out at this station, the road extended and improved, and fences erected.

*Swallow Tail Light.*

The illuminating apparatus at this station was changed from the catoptric to the dioptric principle. The light now exhibited is, as heretofore, a fixed white light, 148 feet above high water mark.

*Letête Fog-Alarm.*

Repairs made to dwelling house and engine room, and a new coal shed erected.

*North Head-Fog Alarm, Grand Manan.*

A new reservoir was built and 75 rods of new road leading to the fog alarm constructed.

*Point Escuminac Fog-Horn.*

The old fog-whistle was removed from this station, and was replaced on the 15th September by a fog-horn, operated by compressed air. The horn sounds during thick weather blasts of 6 seconds' duration, with intervals of 35 seconds between the blasts.

*Point Lepreaux Fog-Alarm.*

Considerable repairs were made to the engine. A new pump was placed in connection with the machinery, and two water-tight bulkheads built.

## BUOYS AND BEACONS.

There are two bell buoys now in the Bay of Fundy, one moored off Partridge Island, which is an iron ship-shaped buoy, with tight, enclosed deck, with a bell elevated on a mast. There is also a large tower built around the mast on the deck of the vessel, in which long arms are secured at the bottom with iron balls on the top, which are operated by motion of the sea acting on the vessel, by which the arms weighted at their upper ends are thrown against the bell.

This buoy presents the largest appearance on the water of any buoy in the service, and, when the water is calm, can be much more easily discerned than any other buoy we have now in use.

The other bell buoy is moored off Quaco Lighthouse Ledge and is an iron buoy with a round bottom, ballasted with water, with balls suspended on arms on a vertical shaft, each of which acts as the pendulum of a clock, swinging by the motion of the sea and striking the bell suspended below. This description of buoy is the most sensitive in use, as the smallest motion of the water sets the hammers of the bell in motion. This buoy is proving a splendid guide to vessels making Quaco Harbour in thick weather. It has been removed and stored for the winter, to be replaced in the spring.

A small iron bell buoy was moored near the Quaco Reef in the fall of 1836, called the Brown buoy. It disappeared during the spring of 1887, and is supposed to have been sunk by the ice. When a steamer can be found available, she will be sent there to grapple for it.

Another large iron bell buoy will be moored off Partridge Island to replace the ship buoy for a time.

The two automatic buoys, one moored off Point Lepreaux and the other off Split Rock have proved of great value to the steamers and vessels navigating the Bay of Fundy in thick weather.

The total cost of maintaining the lights, fog-whistles, buoys and beacons in the Province of New Brunswick, for the fiscal year, amounted to \$96,425.28, and the amount expended during the same period on construction of lights was \$5,280.73.

## PRINCE EDWARD ISLAND LIGHTHOUSE DIVISION.

This division is under the charge of Mr. Artemas Lord, who is agent of the

Department at Charlottetown. At the close of navigation there were 47 light stations and one fog alarm, under the charge of 36 keepers. The majority of these lights are situated on headlands, and serve the general purposes of navigation; the remainder are harbour lights and intended principally for the benefit of the fishermen.

A schooner of 18 tons register was built for the work of inspection of light-houses. The delivery of oil and stores was done by the agent in this vessel.

The following is a synopsis of the principal work done on light stations in this agency during the past year:

*Alberton Range Lights.*

These lights have been elevated 11 feet higher than formerly to give a greater distance of range.

*Fish Island, Malpeque Harbour.*

The range light had a full set of sills and knees put under it. It has been moved 20 feet south of its former position, so as to range clear of a bank on the north side of the channel.

*North Rustico.*

The brushwork foundation of the outer range light, which had been carried away by gales, was repaired, but a heavy easterly gale undermined the place, cutting away the sand and canting the building out of position. The range light was ordered to be shown from a tower window, as was done previous to the erection of the outer range.

*Indian Point.*

This station received two coats of paint. The iron caisson was scraped and coal-tarred. The breakwater received some damage by settling at the north-west end; the two upper tiers of timber parted from the under part a distance of 16 inches and remained hung up by the pile bolts. The bolts will be cut to let the upper tiers drop, then the piles will be re-bolted. Piles will be driven around the work and about 100 tons of stone put in to fill up the waste at different places.

*Pannure Island.*

The dioptric light at this station was damaged on the night of the 6th September. The lamp exploded and destroyed the illuminating apparatus by breaking all the glass lenses and badly cracking the centre piece. The plate window glass was also badly damaged. Happily the light went out on the lamp exploding or the building would have also been destroyed. The light was maintained by the placing of a portable lamp in the damaged apparatus, where it gave a fair light.

The range lights established at Big Miminegash, on the west coast of Prince Edward Island, were put in operation on the 15th June last for general navigation.

The total cost of maintaining the lights in the Province of Prince Edward Island for the fiscal year was \$17,852.13, and the expenditure for construction was \$384.60.

#### BRITISH COLUMBIA LIGHTHOUSE DIVISION.

This division is under the charge of Mr. H. G. Lewis, Agent of the Department at Victoria. There are 9 lighthouses in this Province and one steam whistle, under the charge of 9 keepers, who provide the necessary assistants.

New beacons have been erected to more distinctly mark the dangers in the waters of British Columbia: One on the middle of Fiddle Reef, Mowatt Channel, between Juan de Fuca and Haro Straits. This is a wooden, whitewashed, conical structure, 40 feet high, surmounted by a pole and cage 10 feet high, painted black, making the whole beacon 50 feet high above the level of high water.

A wooden pyramidal beacon on Zero Rock, Haro Strait, near its centre, 30 feet in height, surmounted by a pole and frame in the shape of an obelisk, 20 feet high, making the whole height 50 feet.

A wooden beacon on the extreme N.-W. end of Sydney Spit, which is a prolongation north-westward of Sydney Island, Sydney Channel. This beacon consists of a cone 40 feet high surmounted by a pole and cage 10 feet high, making the whole structure 50 feet high.

A wooden beacon on an iron pile foundation on Enterprise Reef, near Active Pass on the east coast of Vancouver Island. The superstructure is 19 feet high, making the whole beacon 34 feet high from the rock and showing clear 22 feet above high water. To the pyramidal frame work of this beacon are fixed two discs made of slats at right angles to each other, having the appearance at a distance of upper and lower balls.

Two beacons to lead into the western channel of Barclay Sound, being the approach to Toquart Harbour on the Pacific coast of Vancouver Island. The front beacon is erected near the summit of Round Island, 100 feet above high water mark. The beacon is a conical wooden whitewashed structure, 40 feet high, surmounted by a mast and spire 15 feet high, making the whole structure 55 feet high, and 155 above high water level.

The back beacon stands on the summit of Castle Islet, which is 44 feet above the level of the sea at high water. The beacon is a conical wooden whitewashed structure 40 feet high, surmounted by a mast and triangle 10 feet high, making the whole beacon 50 feet high or 94 feet above high water mark.

A fog-bell has been erected at Beren's Island light station at the entrance of Victoria Harbour. The bell is suspended from a roofed framework on the seaward

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side of the lighthouse tower and is rung by hand, but only in answer to steamers blowing their whistles on entering in thick weather.

A fog-bell operated by machinery has been erected and put in operation at the light station on Georgina Point, at the northern entrance to Active Pass.

The belfry, a square wooden building, painted white, stands on the extreme westerly part of the point, about 40 feet from the lighthouse.

The bell is hung in an open part of the belfry, facing seaward, and is 30 feet above high water mark; it will sound one stroke every fifteen seconds.

Four buoys have been established in the neighbourhood of Baynes Sound, Gulf of Georgia.

A steam fog-alarm building is being erected at Point Atkinson light station under contract with Mr. Arthur Kenny, of Victoria, for the sum of \$1,800. Two Neptune fog-alarms, manufactured by Messrs. Carrier, Lainé & Co., of Lévis, Que., have been sent to this station, one of which will be put in operation on the completion of the building. The other will be held in readiness for operation when the first trumpet is out of order.

The lighthouse at East Point, Saturna Island, was completed last August, and the light was put in operation on the 1st January, 1888.

The total cost of maintaining the lights in the Province of British Columbia for the fiscal year ended 30th June last, was \$16,230.43, and the expenditure for construction was \$321.84.

The following new lightkeepers have been appointed in the Dominion, during the calendar year ended 31st December, 1887:—

## LIGHTS ABOVE MONTREAL.

Name of Keeper.	Name of Station.	Date of Appointment by Order in Council, or Departmental letter.	Salary per Annum.	Remarks.
		1887.	\$	
Thomas Graham.....	Deschênes Rapids.....	Mar. 18...	100	Succeeded M. Murphy, deceased.
Robert Lowe.....	Thornbury.....	April 12...	60	New Light.
Charles P. Mongeon.	Way Shoal, Templeton.....	May 23...	100	Succeeded A. Mongeon, resigned.
Allan Collins.....	Hepe Island, Georgian Bay.....	do 23...	450	Succeeded Charles Tizard, deceased.
C. J. Pim.....	Caribou Island.....	do 23...	500	Succeeded Robert May, resigned.
Robert Barr.....	South River and South East Bay Lake Nipissing.	do 23...	120	New lights.
Jas. McCool, sen.....	Fort William, Beacon Light....	do 23...	90	do
Jas. Kennedy.....	Lower Narrows.....	do 23...	100	do
John Cox, jun.....	Morrison's or Hawley's Island...	June 22...	100	Succeeded John Tario, removed from locality.
W. J. Malott.....	Kingsville Range Lights.....	Sept. 9...	50	Light assumed by Government.
John H. Davis.....	Gananoque Narrows and Jack Straw Shoal.	Nov. 8...	480	Succeeded Joseph Legge, resigned.

## LIGHTS BETWEEN MONTREAL AND QUEBEC.

Napoleon Fugère....	Batiscan, No. 2.....	Jan. 10...	80	Succeeded Joseph Marchand, deceased.
Florent Laliberté....	Ste. Emelie Range Light.....	Mar. 31...	80	Succeeded his father.
Desiré Lafêche.....	Lake St. Peter Lightship No. 1	April 12...	400	Succeeded Olivie Auger, superannuated.
Jos. Bettez....	do do No. 3.	May. 23...	400	Succeeded A. Magnon, superannuated.
Jos. Shand.....	Ash and Bloody Islands.....	June 22...	200	Succeeded Ira W. Hammond, superseded.
Julie Blais.....	L'Islet, Richelieu.....	Nov. 8...	150	Succeeded Miss C. Blais, deceased.

## BELOW QUEBEC.

J. B. Desjardins.....	Kamouraska.....	Aug. 23...	350	Succeeded T. R. Desjardins, deceased.
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## NEW BRUNSWICK.

Zebulon Jones.....	Oak Point, St. John River.....	May 23...	80	Succeeded W. McLeod, resigned.
Lawrence Blakeley..	Harper's Point, Miscou Harbour	Sept. 9...	75	New light.
Robt. McConnell.....	Miscou Gully.....	do 9...	75	do



APPOINTMENTS made in the Keepership of Lights, &c.—*Concluded.*

NOVA SCOTIA.

Name of Keeper.	Name of Station.	Date of Appointment by Order in Council, or Departmental letter.	Salary per Annum.	Remarks.
		1887.	\$	
Jas. C. Kirkpatrick.	Cape D'Or.....	Jan. 10...	500	Succeeded A. T. Rand, superannuated.
Adam McCullough...	Apple River.....	do 10...	250	Succeeded Jas. Tate, deceased
John Early.....	Margaretsville.....	Feb. 19...	230	Succeeded Wm. Early deceased
Thos. Donovan. ....	Ingonish Harbour.....	Mar. 18...	140	New light.
James Wambolt.....	Sheet Harbour Passage.....	May 11...	50	do
Jas. Sullivan . ....	Cranberry Island.....	do 23...	800	Succeeded Jas. Lepper, resigned.
Nelson Turnbull.....	Digby Pier.....	June 22...	60	New light.
Henry Hawbolt.....	Beaver Point.....	Nov. 22...	100	do

PRINCE EDWARD ISLAND.

George Green.....	Miminegash, Range Lights. ....	June 15...	100	New light.
C. A. McDonald.....	St. Andrew's Point.....	July 18...	100	Succeeded J. Wightman, deceased.

BRITISH COLUMBIA.

John B. Wick.....	East Point, Saturna Island.....	Sept. 3...	500	New light.
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OIL.

Contracts were entered into in March last with the Imperial Oil Company, of Petrolea, Ont., and M. J. Woodward, of Petrolea, for the supply of petroleum required for lighthouse purposes, and oil was delivered at the following rates, viz., 24 cents per gallon at Halifax and Pictou; 23½ cents at St. John; 22 cents at Quebec; 21½ cents at Montreal and 20½ cents at Hamilton and Goderich. By the terms of the contract the oil is required to be delivered in new square cases of the best brand of heavy tin, containing each 4 or 5 Imperial gallons, every two cans to be enclosed in a wooden case. The cost of the packages is included in the prices as above given. The oil is required to be of the best quality of double distilled standard white, extra-refined petroleum, free from acid or other impurities, to weigh, at 62° Fah. not less than 7·85 nor more than 8 lbs. per gallon; to withstand a flash test of 115° Fah., by the standard pyrometer, and in all other respects to

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comply with the requirements of the Petroleum Inspection Act, 1880, and its amendments.

The quantity supplied to the lights above Montreal during the past fiscal year was 21,923 gallons; to the lights in the Quebec district, 28,603 gallons; to the Nova Scotia district, 28,952 gallons; to the New Brunswick district, 26,614 gallons; to the lights in Prince Edward Island, 5,052 gallons, and to lights in British Columbia, 2,082 gallons, making in all 113,226 gallons.

#### DOMINION STEAMERS.

The steamers under the control of this Department consist of the screw steamer "Napoleon III"; the "Druid," paddle wheel; the "Newfield," screw; the "Lansdowne," screw; the "Northern Light," screw; the "Bayfield," screw, and the small steam launch "Dolphin," employed at Quebec in connection with the River Police Force.

The steamer "Napoleon III" was employed during past season in supplying the lights in the Gulf of St. Lawrence, Straits of Belle Isle and Baie des Chalours, and made two trips for the purpose. During the past season this vessel has been fitted with a complete pair of compound engines, boilers, &c., which belonged to the wrecked steamship "Fylgia," and were found perfectly suitable for the requirements of the "Napoleon." The boilers and engines were almost new, and the cost, including the removal of the old boiler and machinery and fitting up the new amounted to \$18,000. The vessel has also been repaired and strengthened, and other improvements made have effected a large saving in the consumption of coal and have also added to her speed and carrying capacity.

The steamer "Druid" was employed during the past season in attending to the lighthouse and buoy service in the River St. Lawrence both above and below Quebec. The new boiler put in this vessel last year and the other improvements effected, have given much satisfaction and added largely to the usefulness of the vessel.

The steamer "Newfield" was employed during the last season in attending to the buoy, lighthouse and fog alarm service on the eastern coast of Nova Scotia, in repairing the telegraph cable at Bird Rock and Ingonish, supplying the north shore lights in New Brunswick, and also several light stations in the Gulf of St. Lawrence and Bay of Fundy.

The steamer "Lansdowne" was employed in lighthouse and buoy service in New Brunswick and also supplied the lights and fog-alarms on the western coast of Nova Scotia. She was also engaged for a short period lately in the winter service between Prince Edward Island and the mainland, but having been found unsuitable was withdrawn.

The "Northern Light" was employed, as usual, in maintaining communication between Prince Edward Island and the mainland. She commenced service on the 21st December, 1886, and made twenty-one round trips between Charlottetown and Pictou and Georgetown and Pictou until 4th February, when she was forced by the ice to lay up at Souris. On the 6th April she resumed her trips between Georgetown and Pictou and continued till the 5th May, making seventeen additional round trips. The earnings of this vessel during the year amounted to \$4,951.30.

The steamer "Neptune" was chartered by the Department to assist the "Northern Light" in maintaining winter communication with the mainland, and made nineteen round trips between the 11th December and the 4th February, 1887, when owing to the condition of the ice, it was found necessary to withdraw her from the service. The sum of \$13,197.98 was paid the owners of the "Neptune" for the services of the vessel, and her earnings amounted to \$1,250.99.

The steamer "Sir James Douglas," stationed at Victoria, B.C., was employed in attending to the light and buoy service in that Province, and was also employed on account of the Indian Reserve Commission. The vessel is in good condition, but will require some repairs to fit her for next year's service.

The "Bayfield" is a wooden steamer of 150 tons gross and 94 tons register, and is employed for the purposes of the survey of the Georgian Bay.

The amount expended during the fiscal year ended 30th June last, as will be seen by reference to Appendix No. 11, for the maintenance of "Napoleon III" was \$27,241.81; of the "Druid" \$23,754.11, of the "Newfield," \$29,054.33; of the "Lansdowne" \$14,337.23; of the "Northern Light," \$14,132.37; of the "Sir James Douglas" \$12,039.40, and of the "Neptune" \$18,909.78, making an entire expenditure of the sum of \$142,936.15.

#### HARBOUR POLICE.

A police force has been established for a number of years past at the harbours of Montreal and Quebec, for the purpose of keeping order among the shipping and restraining crimping, and a tonnage duty of three cents per ton register is imposed under the provisions of Chapter 90, Revised Statutes, on every vessel entering at Quebec or Montreal. Vessels of 100 tons register or less are required to pay this duty once in each calendar year, and vessels of more than 100 tons twice in each year.

#### QUEBEC.

The River Police Force at Quebec, under charge of Mr. B. Trudel, was sworn in for duty, as customary, on 1st May last and constituted as follows, viz.: The chief constable, who is also shipping master for the port of Quebec, at a salary of

\$1,500 for the joint offices; one deputy chief constable at \$2.40 per diem; five coxswains, each at \$1.90; 27 constables at \$1.50 per diem, and two engineers at \$50 each, per month, making in all, 36. From the report of the chief it appears that the Force discharged their duties to the satisfaction of the shipping interests of the port, but that crimping prevailed to a considerable extent. From the statement appended to the annual report of the chief, which appears in the supplement to this report, it appears that during the season 363 arrests were made for desertion, drunkenness and other causes, being 46 less than reported last year.

The total amount expended in connection with the maintenance of the Quebec River Police for the fiscal year ended 30th June last was \$22,935.65, while the dues collected during the same period amounted to \$12,483.48, showing a deficiency of \$10,452.17.

A detailed statement of this service showing the amount paid for maintenance of the force, police steamer and contingencies will be found in Appendix No. 26 to this report.

#### MONTREAL.

The force at Montreal, which is under the charge of Mr. H. St. A. Ormond, Inspector, who also holds the position of Agent of the Department, consisted during the season of one chief constable, with a salary of \$3 per diem; five sergeants at \$1.90 per diem; one caretaker at \$1, and 31 constables at \$1.50 per diem, making a total, including the inspector, of 39. The inspector and agent receives a salary of \$1,400 per annum. A portion only of the force was taken on at the beginning of the season, and additions were made, as the arrival of shipping rendered it necessary.

The Inspector reports that during the months of May and June, there were several attempts at strikes on the part of ship labourers, which were prevented by the timely interference of the police. The annual returns show that 615 persons were arrested during the year, including seamen who received protection, and those placed on board their vessels after temporary confinement.

The total expenditure on account of this service at Montreal, during the fiscal year, amounted to \$17,413.47, and the harbour police dues collected to \$10,450.98, showing an excess of expenditure over receipts of \$6,962.49.

The total amount expended during the fiscal year at Quebec and Montreal, on account of harbour police services, was \$40,349.12, and the amount collected was \$22,934.46, showing an excess of expenditure over receipts of \$17,414.66.

The receipts and expenditure on account of this service during the past 18 years are as follow, viz. :—

	Receipts.	Expenditure.
For fiscal year ended 30th June, 1870.....	\$23,996 68	\$18,461 83
do do 1871.....	21,235 06	17,400 73
do do 1872.....	27,215 80	20,348 00
do do 1873.....	26,618 50	32,653 87
do do 1874.....	28,650 39	38,897 52
do do 1875.....	25,620 09	37,895 00
do do 1876.....	26,499 09	41,222 68
do do 1877.....	28,598 10	35,006 37
do do 1878 .....	26,702 43	37,560 14
do do 1879.....	21,464 97	36,486 50
do do 1880.....	21,510 15	35,225 54
do do 1881.....	27,375 09	35,451 07
do do 1882.....	21,420 33	42,316 56
do do 1883.....	28,060 02	38,318 65
do do 1884.....	28,497 25	41,980 72
do do 1885.....	20,698 79	38,082 92
do do 1886.....	24,089 97	43,916 57
do do 1887.....	22,934 46	40,349 12
	\$748,614 30	\$792,587 59
Deduct receipts from expenditure.....	.....	\$748,614 30
Excess of expenditure over receipts.....	.....	\$ 43,973 29

#### SICK AND DISTRESSED MARINERS.

Under the provisions of Chapter 76, Revised Statutes, a duty of two cents per ton register is levied on every vessel arriving in any port in the Provinces of Quebec, Nova Scotia, New Brunswick, Prince Edward Island, or British Columbia, the money thus collected forming "The Sick Mariners' Fund." Vessels of the burden of 100 tons pay the duty once in each calendar year, and vessels of more than 100 tons three times in each year.

By an amendment to this Act, passed at the last Session of Parliament, 50-51 Vic., chap. 40, it is provided that no vessel which is not registered in Canada, and which is employed exclusively in fishing or on a fishing voyage, shall be subject to the payment of this duty.

The receipts for the fiscal year ended 30th June last amounted to \$42,334.92, being an increase, as compared with the receipts of the preceding year, of \$1,486.87.

The Sick Mariners' Act does not apply to the Province of Ontario, and consequently no dues are collected from vessels in that Province, and no expenditure incurred on account of sick seamen. For a number of years past, however, a grant has been made by Parliament of \$500 to the General Hospital at Kingston, and a similar amount to the General and Marine Hospital at St. Catharines, for the care of such seamen as may be received.

In the Province of Quebec, the expenditure on account of the sick and distressed seamen, including the total expenditure for the Marine and Immigrant Hospital at Quebec, amounted to \$24,067.10, as will be seen by reference to Appendix No. 18. Of this sum, \$354.62 was expended on account of shipwrecked and distressed seamen, and \$1,756.42 for sick seamen at ports other than those of Montreal and Quebec.

At the Port of Montreal, sick seamen are cared for at the General Hospital and Notre Dame Hospital, under an arrangement made by the Department, by which ninety cents per diem is paid for the board and medical attendance of each seaman. The amount paid the Montreal General Hospital during the past fiscal year was \$1,403.10, and Notre Dame Hospital \$846. The sick mariners dues collected during the same period at the Port of Montreal amounted to \$3,150.80.

At the Port of Quebec, sick seamen are cared for at the Marine and Immigrant Hospital. The sum of \$20,000 was appropriated by Parliament for the maintenance of this hospital, and the expenditure, as shown by appendix No. 17, amounted to \$19,706.96. A grant of \$1,866.67 was received from the Government of Quebec, and the sum \$219 for rent of beach lots, board of patients, &c., making the total amount deposited to credit of the Receiver General \$2,085.56, thus reducing the cost of maintenance to the Government of the Dominion to \$17,621.29. In this sum the cost of maintaining sick immigrants as well as seamen is included, and estimating the cost of immigrants, of whom fifty-four were treated and remained in hospital 967 days at \$1,301.93, the cost of sick seamen would amount to \$16,319.36. By reference, however, to the report of the resident physician, it appears that during the past fiscal year, out of 548 patients admitted, 185 were seamen having 3,249 days' treatment; 54 were immigrants having 967 days' treatment, and 309 were residents of Quebec having 8,872 days' treatment, thus showing, as stated in former reports, that the amount contributed by the Government of Quebec, viz., \$1,866.67 towards the support of residents in the hospital is altogether inadequate. A fair proportion of the cost of this institution for the past fiscal year would be as follows, viz.:—For seamen, \$4,892.10; for immigrants, \$1,456.05; and for residents, \$13,358.81. Taking the total number of days' treatment of patients during the year as 13,088, the cost per diem of maintaining each patient amounts to a little over \$1.50.

The sick mariners dues collected at the Port of Quebec during the last fiscal year amounted to \$8,041.64, being \$654.46 less than the previous year, and the total collections in the Province of Quebec, for the same period, amounted to \$13,667.20, being \$320.86 less than the previous year. The expenditure for sick and distressed seamen at the different ports in Quebec, estimating the actual charge to the fund for the Marine Hospital at Quebec at \$17,621.29 amounts to \$21,981.18, showing an excess of expenditure over receipts of \$8,314.23.

The expenditure on account of sick and distressed seamen in the Province of New Brunswick for the last fiscal year amounted to \$9,242.26 and the receipts to \$8,176.27. Marine hospitals have been established for a number of years at the Ports of St. John, St. Andrews, Miramichi, Richibucto, Bathurst and Sackville, and details of the expenditure of these hospitals will be found in Appendix No. 18. The collections at the Port of St. John for the Sick Mariners' Fund for the last fiscal year amounted to \$4,482.56, and the cost of maintenance of the Marine Hospital amounted to \$4,276.50.

In the Province of Nova Scotia, Marine Hospitals are established at the Ports of Yarmouth, Pictou, Sydney, Lunenburg and Point Tupper. At Halifax, provision is made for the care of sick seamen at the Provincial and City Hospital, under arrangements made with the managers by which the sum of 90 cents per diem is allowed for board and medical attendance of each seaman. The sum of \$6,538.74 was collected at Halifax as sick mariners' dues for the past year, and the sum paid the Provincial and City Hospital amounted to \$3,039.30. At ports in Nova Scotia where no hospitals are established, sick seamen are cared for under the direction of the Chief Officers of Customs, and details of this expenditure will be found in Appendix No. 18. The total expenditure for sick, disabled and distressed seamen in Nova Scotia for the past fiscal year amounted to \$10,843.71 and the receipts to \$16,010.27, showing an excess of receipts over expenditure of \$5,166.56.

In the Province of Prince Edward Island the expenditure on account of sick, disabled and distressed seamen for the last fiscal year amounted to \$1,208.11 and the receipts to \$629.86. Sick seamen at Charlottetown are cared for under an arrangement made with the managers of the Charlottetown Hospital. The amount paid the hospital under this arrangement for the last fiscal year was \$780.36.

In the Province of British Columbia the sum of \$4,275.54 was expended during the year, and the receipts amounted to \$3,851.32.

During the past fiscal year, the sum of \$2,146.32 was paid to Her Majesty's Government to re-imburse expenses incurred in caring for shipwrecked and distressed Canadian seamen at foreign ports. The total expenditure by this Department on account of sick, disabled, shipwrecked and distressed seamen during the past fiscal year, including the grant of \$500 to each of the hospitals at St. Catharines and Kingston, and the entire expenditure on account of the Marine

Hospital at Quebec, amounted to \$52,262.21, being \$2,918.75 more than the previous year, and \$9,737.79 less than the amount appropriated by Parliament for this service. It will be seen however, that as the entire collection of sick mariners dues amounted only to \$42,334.92, the excess of expenditure over receipts is \$9,927.29, but should a deduction be made of a fair proportion for maintaining residents of Quebec and immigrants in the Marine Hospital at Quebec, which amounts as above stated to \$14,814.86, the expenditure would amount to \$37,447.35 and the receipts would overbalance the expenditure by the sum of \$1,887.57.

The receipts and expenditure in connection with this service during the preceding nineteen fiscal years are as follow :—

	Receipts.	Expenditure.
For fiscal year ended 30th June, 1869.....	\$ 31,353 78	\$ 26,987 64
do do 1870.....	31,410 46	27,029 34
do do 1871.....	29,683 41	28,971 22
do do 1872.....	34,911 64	38,947 60
do do 1873.....	37,136 10	41,016 43
do do 1874.....	41,500 16	59,778 90
do do 1875.....	37,801 46	50,684 76
do do 1876.....	41,287 66	48,828 49
do do 1877.....	43,739 21	51,647 91
do do 1878.....	44,665 07	43,780 99
do do 1879.....	37,779 57	42,729 36
do do 1880.....	42,523 20	42,160 91
do do 1881.....	49,779 72	40,667 52
do do 1882.....	45,951 47	39,359 11
do do 1883.....	47,573 42	36,249 65
do do 1884.....	48,667 07	39,553 58
do do 1885.....	39,068 39	44,501 57
do do 1886.....	40,848 05	40,377 62
do do 1887.....	42,334 92	37,447 35
	<hr/>	<hr/>
	\$768,014 76	\$780,719 98
Deduct receipts from expenditure.....	.....	768,014 76
	<hr/>	<hr/>
Balance to debit of fund.....	.....	<u>\$ 12,705 22</u>

#### STEAMBOAT INSPECTION.

The annual report of the Chairman of the Board of Steamboat Inspection for the year ended 31st December last, will be found in the Supplement to this report, together with statements showing certificates granted to engineers; steam vessels.



inspected and not inspected; number of passengers allowed to be carried; steam vessels added to list, and steamers lost or laid up, or rendered unfit for service during the year.

By Order in Council of the 7th April last, certain amendments were made to the revised rules and regulations, for the conduct of Steamboat Inspectors, and for the inspection of steamboats, approved by Order in Council of 6th July, 1886. These amendments were duly published in the *Canada Gazette*.

The amount received during the past fiscal year on account of tonnage dues, inspection of steamboats and certificates to engineers was \$12,701.20, of which sum \$11,630.20 was for tonnage dues and inspection fees, and \$1,071 for certificates to engineers. This shows a decrease as compared with the previous years of \$1,386.56. The expenditure, as will be seen by reference to Appendix No. 24, amounted to \$22,837.80, and the deficiency will amount to \$10,136.60. As the expenditure, on account of steamboat inspection, is now considerably in excess of the receipts, it will be a matter for consideration, as to whether the duty fixed by the Governor in Council, as provided by the 46th Section of the Act, to be paid on the tonnage of steamboats should not be increased. The rate, as now fixed, is four cents per ton, and the Act provides that it shall not exceed ten cents for every gross ton which a steamboat measures.

Previous to the Steamboat Inspection Act of 1886 coming into operation, engineers' certificates were issued by the Chairman of the Board of Inspection and signed by him and renewed yearly. The Act of 1886 provided that all engineers' certificates should, for the future, be signed by the Minister of Marine, and should be for life or during good conduct, and that certificates in force on the 2nd day of June, 1886, could be delivered up by the holder thereof to the Minister and receive in return a certificate for life on the payment of a fee of one dollar. Under this provision 768 certificates were exchanged up to the 31st December last, in addition to the certificates exchanged, 63 certificates were issued to applicants who passed an examination before the Board of Examiners, making a total of 831 engineers' certificates issued during the calendar year of 1887 of the following grades, viz.:—

1st Class Certificates .....	49
2nd do .....	219
3rd do .....	486
4th do .....	77

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The total number of steamboats in the Dominion is given in the returns of the chairman as 1,031, with a gross tonnage of 174,896 tons. Of this number 307 belonged to the West Ontario, Huron and Superior Division; 129 to the Kingston Division; 148 to the Montreal Division; 154 to the Quebec Division; 153 to the

Maritime Provinces; 61 to Manitoba, Keewatin and North-West Territories, and 79 to British Columbia.

During the year 81 steam vessels, with a gross tonnage of 3,426 tons, were added to the list, and 48 broken up, lost or otherwise put out of service.

A statement of casualties to steamboats will be found in the report of the Chairman.

It will be seen by the following comparative statement of receipts and expenditure on account of steamboat inspection for the past eighteen years, that during that period the entire expenditure (\$255,229.39) exceeded the receipts (\$250,751.65) by the sum of \$4,477.74, which remains as a balance to debit of fund :

	Receipts.	Expenditure.
For fiscal year ended 30th June, 1870.....\$	12,521 29	\$ 7,399 18
do do 1871 .....	10,369 96	8,321 00
do do 1872.....	11,710 43	8,500 00
do do 1873.....	15,412 75	11,205 54
do do 1874.....	15,603 19	10,291 58
do do 1875.....	15,011 90	12,199 81
do do 1876.....	13,811 24	13,081 86
do do 1877.....	15,859 42	13,073 01
do do 1878.....	12,431 25	13,228 28
do do 1879.....	12,331 16	13,076 46
do do 1880.....	15,424 02	11,854 34
do do 1881.....	16,905 49	12,211 65
do do 1882.....	15,277 78	14,835 97
do do 1883.....	12,577 36	16,209 02
do do 1884.....	15,371 79	21,893 28
do do 1885 .....	13,343 66	23,235 04
do do 1886.....	14,087 76	21,775 57
do do 1887.....	12,701 20	22,837 80
	<hr/>	<hr/>
	\$250,751 65	\$255,229 39
Deduct receipts from expenditure.....		250,751 65
		<hr/>
Balance to debit of fund.....		\$ 4,447 74
		<hr/> <hr/>

CERTIFICATES TO MASTERS AND MATES

The report of the chairman of the Board of Examiners of Masters and Mates of sea-going ships, for the calendar year ended 31st December, 1887, will be found in the Supplement to this report.

During the past calendar year, as will be seen by reference to the report in supplement, the Board of Examiners have held meetings for the examination of candidates at the ports of Halifax, N.S., St. John, N.B., Quebec and Yarmouth, N.S.

At the port of Halifax eleven meetings were held, twelve at St. John, two at Quebec, and eleven at Yarmouth.

At Halifax the number of masters who succeeded in passing and obtaining certificates of competency was nineteen, the number of mates twenty-nine, the number of second mates four, while eight failed to pass as master, twelve as mate, and three as second mate.

At the port of St. John, N.B., eighteen passed for the grade of master, fifteen for mate and five for second mate, while seven failed to pass for master and thirteen for mate. At the port of Yarmouth, N.S., seventeen passed for the grade of master, sixteen for mate and one for second mate, while two failed to pass for master and eleven for mate. At the port of Quebec three passed for the grade of master and one for second mate. One applicant from Victoria, B.C., for a master's certificate failed to pass.

It will thus be seen that during the past year out of seventy-five candidates that presented themselves at the ports named for examination as masters fifty-seven succeeded in passing and eighteen failed, and that out of one hundred and ten that applied for examination as mate seventy-one passed and thirty-nine failed.

The number of candidates who have passed and obtained master's certificates of competency since the Act went into operation, viz., 16th September, 1871, to the 31st December, 1887, is 1,571, and the amount paid for these certificates, at the rate of \$10 each, \$15,710. During the same period 1,026 candidates received certificates of competency as mate, and the amount paid, at the rate of \$5 each, was \$5,130.

In the Supplement referred to a list will be found of all who have obtained certificates of competency and service, either as master or mate, during the year ended 31st December, 1887.

During the calendar year four certificates of service for the grade of master and two for that of mate have been granted. The total number of certificates of service issued since the Act came into operation is 926 for the grade of master and 360 for that of mate, making a total of 1,286 certificates of service granted. These certificates, as stated in previous reports, are granted to masters and mates who are unable or unwilling to undergo examination for certificates of competency, and who have held situations as masters and mates previous to 1st January, 1870, and can produce certificates of experience and general good conduct. The fee charged for certificates of service is at the rate of \$5 for master and \$3 for mate.

The fees received on account of certificates of competency and service during the fiscal year ended 30th June last was \$1,209; and the amount, in detail, expended on account of this service, as will be seen by reference to Appendix No. 1 to this report, was \$4,855.98.

A list of certificates cancelled during the last calendar year will also be found in the Supplement to this report.

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

		Expenditure.	Receipts.
For fiscal year ended 30th June, 1871.....		\$1,410 45	\$.....
do do 1872.....		4,312 07	1,344 00
do do 1873.....		6,466 18	4,963 00
do do 1874.....		4,520 19	2,995 00
do do 1875.....		5,696 62	2,715 00
do do 1876.....		4,672 08	2,021 87
do do 1877.....		4,050 00	1,740 50
do do 1878.....		4,249 76	1,296 50
do do 1879.....		4,250 12	1,334 50
do do 1880.....		4,253 43	1,547 00
do do 1881.....		3,888 41	1,333 50
do do 1882.....		3,965 19	1,152 50
do do 1883.....		4,021 20	1,314 00
do do 1884.....		3,909 59	1,387 50
do do 1885.....		4,324 15	1,647 00
do do 1886.....		5,245 28	1,284 00
do do 1887.....		4,855 98	1,209 00
		<u>\$74,090 70</u>	<u>\$29,284 87</u>
Receipts .....		29,284 87	
Excess of expenditure over receipts.		<u>\$44,805 83</u>	

#### INLAND AND COASTING CERTIFICATES.

During the last calendar year the number of candidates who have passed and obtained masters' certificates of service was 101, and the amount paid for these certificates, at the rate of \$4 each, was \$404. During the same period 34 candidates received certificates of service as mate, and the amount paid, at the rate of \$2 each, was \$68, while 1 failed. The number of candidates who succeeded in

passing for certificates of competency as masters was 66, and the amount paid for these certificates, at the rate of \$8 each, was \$528, while 5 failed. Twenty mates obtained certificates of competency, and the amount paid for the same, at the rate of \$4 each, was \$80, while 3 failed. The amount received for renewed certificates of competency and service was \$17, making a total of \$1,097 received for masters and mates of inland and coasting certificates.

The amount voted by Parliament for certificates of competency and service to masters and mates of foreign sea-going, inland and coasting ships was \$6,000, and the amount expended to 30th June, 1887, was \$4,855.98, leaving an unexpended balance of \$1,144.02, which reverted to the Treasury.

An enquiry was held at Toronto as to the cause of the collision between the steamers "Queen City," "Sadie," and "Gertrude," in Toronto Harbour, which resulted in the suspension of the certificates as master, of Alexander Martin, Samuel McCaig and James McSherry, till the 1st of August, 1888.

#### WRECKS AND CASUALTIES.

The total number of casualties to British, Canadian and foreign and sea-going vessels reported to the Department as having occurred in Canadian waters, and to Canadian sea-going vessels in waters other than those of Canada, during the year ended 31st December, 1887, was 224, representing a tonnage of 112,846 tons register, and the amount of loss, both partial and total, to vessels and cargoes, so far as ascertained, was \$1,102,628.

The number of lives lost in connection with these casualties was 25, viz., 6 in Canadian waters, and 19 in other waters than those of Canada.

The disasters reported to this Department as having occurred to vessels on the inland waters of Canada, and to Canadian vessels on American inland waters, during the year 1887, were 39, and the tonnage involved was 13,137 tons register. The number of lives lost was 21, and the amount of loss, both partial and total, to vessels and cargoes, so far as estimated, was \$90,915.

When the Wreck Register was closed in 1886, a large number of casualties had been reported, of which the Department had not sufficient particulars to enable it to publish them in the list for that year. Returns have subsequently been received for many of these casualties, and a detailed list of them will be found in the Supplement to this report. These casualties have been added to those previously reported, with the result of largely increasing the totals for 1886.

## COMPARATIVE STATEMENT of the losses reported to the Department since 1870.

	Casualties.	Tonnage.	Lives Lost.	Damage.
				\$
For the year ending 31st December, 1870.....	335	82,008	210	901,000
do do 1871.....	274	81,035	81	2,100,000
do do 1872.....	290	99,109	237	2,507,338
do do 1873.....	350	99,523	* 813	2,844,133
do do 1874.....	308	106,682	109	2,029,965
do do 1875.....	286	99,427	78	2,468,521
do do 1876.....	452	153,368	404	2,942,955
do do 1877.....	468	177,896	153	3,952,582
do do 1878.....	414	161,760	187	3,444,875
do do 1879.....	533	198,364	339	4,119,233
do do 1880.....	445	179,993	217	3,820,652
do do 1881.....	440	210,719	399	4,922,423
do do 1882.....	461	193,655	271	3,138,423
do do 1883.....	366	158,826	259	2,029,752
do do 1884.....	324	119,741	253	2,965,321
do do 1885.....	346	144,726	198	2,753,667
do do 1886.....	377	150,277	54	1,950,799
do do 1887.....	263	125,983	48	1,193,543

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

The steamer "Merimack," of Boston, 23 years old and 1,119 tons register, was totally lost on Little Hope Island, N. S., on the 10th July last while on a voyage from Halifax to Boston, and became a total loss. She was built of wood and was valued at \$150,000. Most of the cargo was recovered. No lives were lost by this casualty.

The wooden ship "Muskoka," of St. John, N. B., 11 years old, 1,399 tons register, sailed from Java for Queenstown, Ireland, on the 1st June last, with a cargo of sugar crystals, and has not since been heard from. The vessel was valued at \$26,000 and was classed in French Lloyds for 14 years. About 25 lives were lost by this casualty.

The wooden ship "Parthia," of St. John, N. B., 1,528 tons register, was abandoned in the Atlantic in September last, while on a voyage from London to New York, with a cargo of brick and cement, and became a total loss. The crew were rescued by a passing steamer and were landed at St. John's, Nfld. The "Parthia" was 13 years old, classed in French Lloyds and was valued at \$25,000. The value of the cargo is unknown.

The iron ship "Duchess of Argyle," 1,699 tons register, of Liverpool, G. B., stranded on Vancouver Island, B. C., on the 3rd November, 1887, during a dense fog and became a total loss. The vessel was in ballast and proceeding from San Francisco to Burrard Inlet, B. C. She was valued at \$30,000 and was classed at English Lloyds A 1, 100. She was owned by Messrs. W. and R. Wright, of Liverpool, G. B. No lives were lost by this casualty.

The schooner "Dionis," of Barrington, N. S., sailed from Lunenburg, N. S. to Porto Rico on the 19th August last with a general cargo and has not since been heard from. By this casualty 7 lives were lost. The vessel was 96 tons register, 6 years old and was valued at \$2,000. She is supposed to have foundered in the gale of the 26th of August last.

The schooner "Maggie L," of St. John, N.B., 14 years old and 92 tons register, was totally wrecked at Salt Island, State of Maine, U. S., on the 13th December last, during a violent storm. By this casualty no lives were lost. She was valued at \$1,500.

The wooden ship "Lotus," of Windsor, N.S., 13 years old and 462 tons register, was stranded at Long Island, State of New York, 3rd January last, during a fog, while on a voyage from Forwey, G.B., to New York, with a cargo of clay and became a total loss. She was valued at \$13,000 and was insured for \$11,000. The value of the cargo is unknown.

The fine wooden ship "Hudson," 3 years old, classed in French Lloyds, drifted ashore at the Island of Amblan, Archipelago of Malay, fell over and filled with water. She subsequently took fire and became a total loss. The crew escaped in the ship's boats. The vessel was 1,497 tons register tonnage, and was valued at \$50,000 and was insured for \$25,000. She had petroleum and a general cargo on board, the value of which is unknown. The vessel was on a voyage from Philadelphia to Japan. She was registered at St. John and was owned by Mr. Howard D. Troop of that city.

The wooden bark "Pohona," of Chatham, N.B., 6 years old and 796 tons register, collided with the steamship "Chattahoochee," in the Savannah River, United States of America, and was damaged to the extent of \$20,000. No lives were lost by the accident.

The wooden ship "Thomas N. Hart," of Yarmouth, N. S., 1,460 tons register and 6 years old, sailed from New York on the 16th May, 1886, on a voyage to Shanghai with a cargo of 52,000 cases of petroleum. She was spoken on the 26th of the same month and has not since been heard from. By this casualty 25 lives were lost. The vessel was valued at \$50,000 and was insured for \$10,000. She was classed in French Lloyds.

The fine new wooden ship "Louise M. Fuller," of Yarmouth, N. S., sailed from New York for Liverpool, G. B., on the 1st December, 1886, with a cargo of petroleum. She encountered heavy weather and sprang a leak. The crew worked at the pumps until worn out. The master and crew were taken off by the steamship "Fulda" and were taken to Southampton. The vessel was valued at \$60,000 and was insured for \$33,000. She was classed in French Lloyds. No lives were lost by this casualty. The master set the vessel on fire before abandoning her.

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No wrecks occurred on Sable or St. Paul's Islands during last year.

The barge "Oriental," of Kingston, 328 tons register, left the port of Charlotte, U.S., on the 23rd of October last, with a cargo of coal 650 tons in weight, in tow of the steam tug "Scotia." The vessel was 21 years old and was probably worth \$1,000. Her crew consisted of a captain, who held a certificate of service as master, a mate who was an uncertificated man, and two deck hands. There was also a woman cook on board. The vessel encountered very heavy weather, and when about three miles off Port Dalhousie, the tow line parted. The "Oriental" went down with all on board, and the "Scotia" made for the port of Niagara, which she reached in safety. An investigation was held by Mr. Samuel Risley, Chairman of the board of Steamboat Inspection, into the cause of the loss of the vessel, from which it appears that the vessel was overladen, and that the condition of her hull and equipment was not such as would warrant her undertaking the voyage, with 650 tons of cargo, at that season of the year. She was also insufficiently manned.

The propeller "California," of Montreal, left Chicago for a port in Canada on the 1st October last, with 3 passengers and 22 of a crew. She had on board 20,000 bushels of corn and 696 barrels of pork on deck. On the morning of the 23rd she encountered very heavy weather and commenced to leak; the cargo also shifted and increased the difficulty of steering the vessel, to such an extent that she would not answer her port helm. The violence of the waves drove in the anchor shutter, and the vessel shipped a great deal of water through the opening. The leak continued to gain and put out the fires, leaving the vessel at the mercy of the wind and waves, and she finally foundered on the night of the 3rd October off St. Helen's Island, towards which the vessel was drifting. The vessel was built in 1873, and was cut in two and had 35 feet added to her length in 1883. She was 900 tons gross and 580 tons register tonnage. By this casualty 7 of the crew and 2 of the passengers were lost, although the vessel had four boats, which left her when she foundered, with a few persons in each. No effort appears to have been made by the master or mate to get the passengers and crew into the boats, which were ready for about thirty minutes before the vessel went down. The vessel was valued at \$27,000, and was insured for \$21,000. An enquiry was held at Toronto by Capt. Ths. Harbottle, Inspector of Hulls, and Mr. W. J. Meneilley, Steamboat Inspector, into the causes which led to this disaster. The evidence which was taken was transmitted to the Minister of Marine and Fisheries, who, after carefully considering the same, suspended the certificates of the master and mate; the former until the 1st October and the latter until the 1st August, 1888.



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**SHIPPING MASTERS AND SHIPPING OF SEAMEN.**

In the Supplement to this report will be found a statement showing the returns received from the Shipping Masters appointed under the Act relating to the shipping of seamen, for the half years ended 30th June and 31st December last, and of the fees received under the Act.

The following is a summary of the reports received from the Shipping Masters at some of the principal ports of the Dominion :—

The Shipping Master at St. John shipped during the year 3,910 seamen and discharged 2,700, and received as fees the sum of \$2,765, out of which he paid to deputy and for incidental expenses the sum of \$1,080.11, leaving the net income of this office \$1,684.89.

The Shipping Master at Halifax shipped during the year 2,651 seamen, and discharged 1,933, for which he received \$1,905.40, out of which, after deducting expenses, he had as remuneration for his services \$928.40.

The Shipping Master at Montreal shipped during the year 897 seamen and discharged 1,756, and received as remuneration, after payment of expenses, the sum of \$780.30.

At the Port of Quebec the total number of seamen shipped during the season was 798, of which number 184 belonged to British vessels, 473 to Dominion and 141 to foreign vessels; 279 were discharged, of which 74 belonged to British and 205 to Dominion vessels. The total receipts during the calendar year amounted to \$580.80, and after deducting the amount of incidental expenses, \$560.80 reverted to the Treasury.

At Yarmouth 671 seamen were shipped, 569 discharged, and fees to the amount of \$506.20 collected.

At Lunenburg 760 seamen were shipped, 815 discharged, and fees to the amount of \$624.50 collected.

At North Sydney 238 seamen were shipped and 135 discharged, and fees to the amount of \$506.20 collected.

**PILOTAGE AUTHORITIES.**

The report of the Harbour Commissioners of the Port of Quebec, who are by by-law, the Pilotage Authority for the District of Quebec, will be found in the Supplement to this report. The annual statement of the Decayed Pilot Fund, which is

under the conduct and management of the Corporation of Pilots, will be found in Appendix No. 31 to this report. From this statement it appears that on the 31st December last the Decayed Pilot Fund stood as follows:—

Money invested.....	\$53,352 71
In Savings Bank.....	1,600 00
In Treasurer's hands.....	133 51
	<hr/>
	\$55,056 22
Deduct arrears of pensions due.....	306 71
	<hr/>
	\$54,779 51
	<hr/>

The number of decayed pilots on the list is 54, and their pensions range from \$47 to \$110; 118 widows receive pensions ranging from \$38 to \$68, and 16 children pensions ranging from \$10 to \$15. The amount paid for pensions during the year amounted to \$11,104.73; the percentage on contributions of pilots to the fund amounted to \$8,484.89, and the sum of \$3,073 was received for interest. The total receipts on account of the fund, including the balance from the preceding year, amounted to \$13,394 24, and the expenses amounted to \$11,660.73. The total receipts of the Corporation of Pilots for the past season, as given by the Secretary, amounted to \$119,123.39, the expenses to \$21,458.45, and the net dividend paid to each pilot on the active list was \$618.13.

The number of pilots on the active list on the 31st December last was 161, being 2 less than reported last year, and the number of apprentice pilots was 22. Thirty pilots who had attained the age of 65 years were examined by the Pilotage Authority, before the opening of navigation, and all were found fit for duty and continued on the active list. Three pilots were pensioned, and seven tried on complaints of ship masters and others. In two cases the pilots were acquitted and in the others found guilty and punished, in one case by fine and in the others by suspension from duty. Of pilots on the active list, 32 were in the employ of steamship companies and in charge of Dominion steamers and light vessels. Two deaths are reported as occurring during the year. Three complaints were lodged against the pilotage service, and were duly investigated by the Commissioners.

The report of the Harbour Commissioners of Montreal, who are by law constituted the Pilotage Authority for this district, and possess the powers formerly vested in the Montreal Trinity House, will be found in the Supplement. A statement of the Decayed Pilotage Fund will be found in Appendix No. 39 to this report. The Commissioners report the fund is in its usual satisfactory condition, the net increase for the year being \$1,974.93. The receipts for poundage amounted to \$2,646.19, and from interest on investments, &c., to \$2,399.32, and the disburse-

ments for pensions to \$3,070.53. The fund now amounts to \$45,266.22, and is invested as follows, viz: \$38,000 in Montreal Harbour Debentures, \$5,000 in City of Montreal Consolidated Fund, \$2,108.92 in Savings Bank, and \$157.30 in hands of Treasurer.

There are twenty two pensioners on the fund, viz.: four old pilots and eighteen widows, and during the year the pensions of old pilots was increased one-half and that of widows one-third. The number of pilots on the active list is forty-six, and their earnings amounted to \$50,569.02. Of this amount \$44,055.83 was received from British vessels, and \$6,513.19 from foreign vessels. There are nineteen apprentice pilots on the list. Several casualties to vessels were reported during the year and investigations thereon were held by the Commissioners. In two of the cases the charges against the pilots were dismissed; in another the pilot was considered blameable, but as there was no sworn complaint, the Commissioners could not proceed further; and in another case, the pilot was found guilty and suspended for a year. No deaths or superannuations of pilots occurred during the year.

#### HALIFAX, N.S.

The returns received from the Halifax Pilotage Authority, show that the sum of \$19,383.42 was received as pilotage dues, of which \$14,537.56 was received from British and \$4,845.86 from foreign vessels. The receipts for commission on pilotage collected, outward pilotage on ships having no pilot, cash on hand, &c., amounted to \$6,325.25, while the expenditure, including payment of \$1,000 to Commissioners for services, secretary's salary and other expenses, amounted to \$2,587.42, leaving the sum of \$3,737.83 to the credit of the Pilotage Fund. The sum of \$182.50 was paid to families of deceased pilots, and the balance to the credit of the Superannuation Fund was \$3,212.08. There are 302 pilots in this district and the earnings of each averaged \$771.45.

#### ST. JOHN, N.B.

The returns of this district for the last calendar year show that the sum of \$23,234.86 was received as pilotage dues, of which \$12,451.04 was received from British and \$10,783.82 from foreign vessels. The receipts from license fees and other sources amounted to \$2,433.16 and the sum of \$2,194.79 was expended in payment of pensions to pilots, the secretary's salary and other expenses. There are 34 licensed pilots in the district.

#### MIRAMICHI, N.B.

There are 30 licensed pilots in this district. The total number of vessels reported inwards and outwards were 280, of which 92 were British and the remainder foreign vessels. The total amount received from pilotage and other sources, was \$9,202.60, and each pilot received out of the dues collected \$291.27.

## PICTOU, N.S.

There are 11 licensed pilots and 1 certificated master in this district. The sum of \$3,258.73 was received as pilotage dues, of which amount \$2,519.95 was received from British and \$738.78 from foreign ships. The sum of \$3,021.33 was paid to pilots, \$200 to secretary for salary, which with other expenses made the entire expenditure \$3,332.13. The amount received by each pilot last season ranged from \$33 to \$991.

## SYDNEY, N.S.

There are 35 licensed pilots in this district, and 8 licensed masters; 622 vessels paid pilotage during the year, and dues received amounted to \$12,641. The sum of \$11,812.44 was paid to pilots, relief account, \$204, commission to collectors, \$624.57, Commissioners' expenses, \$150, secretary, \$100, making the entire expenditure, together with incidental expenses, \$12,924.72.

In addition to the pilotage returns, above referred to, returns have been received from the pilotage districts of Bathurst, Charlotte, Buctouche, in New Brunswick; St. Mary's and Liscomb, in Nova Scotia; and Victoria and Esquimalt in British Columbia.

## WHARVES, PIERS AND BREAKWATERS.

The piers under the control and management of this Department are the following:—

The piers at Goderich, Rondeau, Inverhuron, Morpeth, Kingsville, in the Province of Ontario; Rimouski, Rivière du Loup, Rivière Ouelle, Malbaie, Eboulements, L'Islet, Berthier, Trois Pistoles, Tadoussac, Anse St. Jean, St. Alphonse de Bagotville, Chicoutimi, Baie St. Paul, Crane Island, St. Jean d'Orleans, St. Laurent d'Orléans, Lacolle, the Cascades and Megantic, in the Province of Quebec; Maitland, Oak Point, Digby, Delap's Cove, East Bay, Meteghan River, Pickett's Wharf, Port Greville and Brooklyn, in the Province of Nova Scotia; Clifton, Hopewell Cape and Buctouche, in the Province of New Brunswick; Souris, Campbell's Cove, Annandale, North Cardigan, Lewis, Georgetown, Lambert's, St. Mary's Bay, Mink River, South River, Chapel Point, Montague, Stevens, Sturgeon, South Rustico, Pinette, Belfast, Port Selkirk, China Point, Vernon River, Pownal, Hickey's, Nine-Mile Creek, Victoria (Crapaud), Clifton, Wood Island, Hurd's Point, McGee, Higgin's Shore, West Point, Tignish Harbour and Kier's Shore, in the Province of Prince Edward Island. At the Port of Cow Bay, Cape Breton, N.S., the pier or breakwater, purchased under the provisions of the Act 37, Vic., chap. 18, is also under the management of this Department, and the tonnage dues imposed on vessels calling at the pier, and tolls for goods landed thereon, are collected by Mr. Archibald McKinnon, wharfinger.

By referring to Appendix No. 30, a statement will be found of the amounts collected from the wharves and piers under the charge of this Department. The amount collected was \$6,985.77.

The following is a statement of the wharfingers appointed by Order in Council during the calendar year ended 31st December last, and of the remuneration to be allowed them:—

Name of Wharfinger.	Pier or Wharf.	Date of Appointment.	Salary.
Louis Leroux.....	The Cascades, Vaudreuil, P.Q.....	Jan. 30..	25 p. c. of tolls collected.
Auguste Renaud.....	Buctouche, N.B.....	July 7..	25 p. c. of tolls collected.

#### HARBOUR COMMISSIONERS AND HARBOUR MASTERS.

In the Supplement to this report will be found reports of Harbour Commissioners at Toronto, Montreal, Quebec, Three Rivers, Pictou and North Sydney, for the year ended 31st December last.

The report of the Harbour Master at Toronto to the Commissioners shows that the receipts for harbour dues during the past year, amounted to \$8,559.68 and showed a decrease of \$54.50 as compared with the previous year. The receipts from all sources amounted to \$20,790.97, and the expenditure to \$27,155.73. The number of vessels arriving in port during the year was 2,019. Dredging was performed during the year, costing \$17,589.36.

The report for the Harbour Commissioners for the port of Quebec shows that the revenue arising from tonnage, import and export dues, wharf property, interest, &c., during the year amounted to \$53,032.56, and shows an increase as compared with the previous year of \$4,917.79. Of the revenue received \$15,081.72 was tonnage dues, \$10,104.45 for import, export and harbour dues, and \$27,846.39 for revenue, fines, property, interest and other sources. The expenditure including salaries of officials, interest and sinking fund on \$723,000 harbour debentures, repairs, property, expenses, printing, &c., amounted to \$55,335.13, showing an excess of expenditure over revenue of \$2,302.57. The total value of the assets of the corporation is given as \$4,254,041.50, and the liabilities as \$3,963,590.86.

The Commissioners report that the graving dock had been used by four steamers during the past season, and that after one year's test it had given proof of the greatest solidity. The work of dredging in the wet dock progressed satisfactorily during the season, but the south wall works have not progressed as

rapidly as expected. During the past season the dredging of the Fly Bank Channel was resumed, and it is proposed to continue this work. Attached to the report of the Commissioners will be found a letter from Staff Commander Maxwell, of Her Majesty's Survey, in regard to the deposit of dredged material from the wet dock into the St. Lawrence, and also a report of the Harbour Master for the port of Quebec upon the same subject.

Attached to the report will also be found a report made by the solicitors of the Commissioners, in regard to the long existing restrictions to the loading and unloading of ships, caused by the action of the Quebec Ship Labourers' Benevolent Society. It will be seen by this report that while the Commissioners have not power by by-law or otherwise to regulate the cost of loading or unloading ships or regulating the rate of wages, the Commissioners have power to guarantee protection to ship masters and ship owners bringing vessels to their wharves, to hire persons to supervise the loading and unloading of vessels, and also power to engage as many persons as would be necessary for protection of their property, or of persons frequenting their wharves for business purposes from unlawful interference.

From the report of the Harbour Commissioners, Montreal, it appears that the receipts from all sources amounted to \$656,574.95, and the expenditure to \$531,789.93. The sum of \$254,507.05 was received from wharfage on goods and tonnage dues, and \$42,850.21 from local traffic, making the ordinary revenue \$297,357.26, showing an increase as compared with the previous year of \$16,210.74. The Commissioners state that the loss to harbour revenue from the coal vessels which discharged in the deep water basin of the Lachine Canal was about \$17,000. The sum of \$145,000 was received from the Dominion Government on account of new channel works, and \$172,000 from sale of harbour debentures. The sum of \$192,214.69 was expended on new channel operations, \$99,187.22 on Government interest account, \$115,730 as interest on debentures, \$207,000 for redemption of debentures, \$23,220.74 for harbour dredging, \$70,634 for harbour repairs, \$26,598.52 for harbour expenses management. From the Harbour Master's report it appears there has been an increase in the business of the harbour for the past year, the increase in sea-going traffic being 64 vessels and 61,074 tons, while the inland vessels show a decrease of 154 vessels and of 18,367 tons. The Commissioners report that upon the opening of the coming season of navigation they propose to proceed with the work of deepening the channel at Cap la Roche to 27½ feet at low water, for which a further grant of \$325,000 was made by Parliament at its last Session.

The report of the Harbour Commissioners for Three Rivers will be found in the Supplement, together with a comparative statement of the trade and navigation of the port. The receipts for harbour and tonnage dues, wharfage and moorage

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dues amounted to \$5,182.41, and the expenditure for salaries and other expenses and for construction account of wharves to \$3,216.43. The sum of \$3,270.44 was also paid as interest on \$31,760.97 advanced by the Government.

The report of the Harbour Commissioners for the port of North Sydney will be found in the Supplement, together with an account of receipts and disbursements. The receipts amounted to \$1,640.03, making with cash on hand from previous year \$1,990.33, and the disbursements amounted to \$1,401.78. Of this sum \$450 was paid as salary to the harbour master, \$150 to the chairman for his services, \$250 to secretary for salary, \$82 to the treasurer as commission, and \$210 as interest on loan effected by the Commissioners. The Commissioners report that the blocks built on the North Bar have settled to such an extent as to render it unsafe for vessels to discharge ballast, but that it is proposed to repair them next season. The coal shipments show an increase of ten per cent. over 1886.

The report of the Harbour Commissioners for the port of Pictou, N.S., will be found in the Supplement. The expenditure for the past year amounted to \$367 20, and the Commissioners report a balance on hand of \$3,809.86, and state that they contemplate building an addition to the West Wharf to give increased accommodation to shipping.

The harbour master for the port of Halifax reports that he collected fees during the year from 846 vessels, dues to the amount of \$1,718 and which he retained for expenses and remuneration of office.

In the Supplement will also be found reports from a number of harbour masters at the more important ports, appointed under the Acts 35 Victoria, Chap. 42, 36 Victoria, chaps. 9 and 63, and 37 Victoria, chap. 34, with a statement of the fees collected by harbour masters during the year ended 31st December last, and also a list of the harbour masters appointed under these Acts.

The following harbour masters have been appointed by Order in Council during the past year, viz:—

Name.	Port.	Date of Appointment.	Salary.	Remarks.
Nehemiah Bennett .....	Hillsboro', N.B.....	Jan. 21...	\$150 of fees.	Vice J. Shaughnessy, resigned.
Chas. W. Hatfield.....	Tusket, N.S.....	March 7...	100 do ...	Vice F. Hatfield, resigned.
James Durkee Payson.....	Westport, N.S.....	do 8..	200 do ...	A new appointment.
Samuel Hingley .....	Tatamagouche, N.S.	do 18...	200 do ...	Vice W. Irving, deceased.
James E. Hatfield .....	Port Greville, N.S...	do 26...	200 do ...	Re-appointed. Had resigned in May 1883.
Robert Austin .....	Bear River, N.S.....	April 4...	100 do ...	Vice Wm. F. Hennigar, deceased.
Ebenezer Palmer .....	Dorchester, N.B.....	do 11...	200 do ...	Vice Joshua King, resigned.
G. Zwicker.....	Bay St. Lawrence, Co. Victoria, N.S.	do 21...	200 do ...	A new appointment.
George Rose .....	Musquash, N.B.....	May 16...	100 do ...	Vice S. Hayward, deceased.
Wm. A. Pickles.....	Mahone Bay, N.S.....	do 16...	200 do ...	A new appointment.
John McGrath.....	St. Peter's Bay, N.S.	June 28...	200 do ...	Vice George Anderson, removed from the locality.
Peter Bourque .....	House Harbour, Mag- dalen Islands, P.Q.	Aug. 9...	200 do ...	A new appointment.
Louis Dickson.....	Louisburg, N.S.....	Oct. 5...	200 do ...	Vice P. O'Toole, resigned.
James Grady.....	Summerside, P.E.I...	Nov. 7...	200 do ...	Vice R. Campbell, superseded.

#### METEOROLOGICAL SERVICE.

The annual report of the Meteorological Service by the Superintendent, Mr. Carpmael, forms Appendix No. 32 to this report. During the past year nine stations were added to the list and five ceased to observe. Nearly 1,100 warnings of approaching storms were issued and the number of verifications was particularly satisfactory, 972 having been verified out of 1,093 warnings issued. The sum of \$55,000 was appropriated for this service, and expenditure, as will be seen by reference to Appendix No. 15, amounted to \$50,890.44.

#### OBSERVATORIES.

The annual reports of the Directors of the Magnetic Observatory at Toronto, and the Observatories at St. John, Quebec, Kingston and Montreal are attached to the report on the Meteorological Service. By reference to Appendix No. 16 it will be seen that \$5,250.30 was expended on the Magnetic Observatory at Toronto and \$500 for each of the Observatories at Montreal and Kingston. The total expenditure on the Meteorological and Observatory Service for the past fiscal year was \$57,140.74.

#### GEORGIAN BAY SURVEY.

The report of Staff Commander Boulton, R. N., as to the operations of the survey during the past season forms Appendix No. 28 to this report. The sum of



\$18,000 was voted for this service last Session, making with previous votes, a total appropriation of \$102,000 for the service. The expenditure for the past fiscal year, as will be seen by reference to Appendix No. 25, amounted to \$21,592.55, and the expenditure on account of this service has been as follows:—

Year 1882-3.....	\$ 77 81
do 1883-4.....	26,745 54
do 1884-5.....	20,454 68
do 1885-6.....	17,759 36
do 1886-7.....	21,592 55
do to 31st December, 1887.....	11,907 93
	\$98,537 87

Total expenditure to 31st December, 1887....

#### PORT WARDENS.

The report of the Port Warden for Montreal, transmitted by the Montreal Board of Trade, will be found in the Supplement. From the report of the Port Warden, it appears that 356 vessels, aggregating 601,692 tons, entered at his office, being eight vessels less than the previous year, but an increase of 9,557 in tonnage. Of the vessels reported 296 were steamships aggregating 561,120 tons, and 60 sailing vessels with 40,842 tons. The shipment of grain decreased during the past season, the quantity being 11,470,649 in 1887 as against 14,236,977 bushels in 1886. A considerable increase is reported in lumber, phosphates, butter, cheese, &c., over the previous year. No vessels were reported missing or lost during the season. The receipts of the Port Warden's Office for the year ended 31st December last, amounted to \$10,528.47, and the expenditure to \$9,780.90. From the statement of investments of the Port Warden Surplus Fund, it would appear that \$36,300 has been invested in Montreal Corporation Bonds, Dominion and other stocks.

From the report of the Port Warden at Halifax, it appears that during the year, he held surveys on 13 steamers and 34 sailing vessels, which had arrived at port in a damaged condition. The fees received amounted to \$2,493.65, and assistance, office expenses, &c., to \$965 97.

The Port Warden at Quebec held surveys on 100 steamships, valued for general average 11 vessels, and condemned and sold 2 wrecked vessels, and surveyed 15 sailing vessels. The sum of \$1,796.95 was received as fees, and \$126 paid for assistance, &c.

The Port Warden at Charlottetown, P. E. I., reports export of grain small as compared with previous years. The sum of \$249 was received as fees, and \$104 expended.

The Port Warden at Victoria and Esquimalt, B.C., collected fees during the year to the amount of \$482; Vancouver, \$90; North Sydney, N.S., \$210 50; South Bar, N.S., \$64; International Pier, N.S., \$197; Yarmouth, N.S., \$139; Sydney, N.S., \$140; Shediac, N.B., \$36; Port Hawkesbury, N.S., \$47. St. Andrews, N.B., and Rimouski, Quebec, no business reported.

#### REWARDS FOR SAVING LIFE AND LIFE BOAT SERVICE.

The usual appropriation of \$8,000, was made by Parliament for the above named services, and it will be seen by reference to Appendix No. 22 that the sum of \$7,363.94 has been expended during the fiscal year. In the Supplement will be found a list of persons to whom rewards and testimonials have been granted by the Government of Canada, and by Her Majesty's Government, and also by foreign Governments, for humane and gallant exertions in saving life at sea, and also of rewards given for saving life on the shores of Canada.

In Appendix No. 33 to this report, will be found a statement showing the life-boat stations established in Canada, together with particulars as to boats, crews, equipment and services rendered. The rules and regulations relating to the government of the Life Saving Service form Appendix No. 34.

#### TIDAL OBSERVATIONS.

The General Committee of the British Association for the advancement of Science, at a meeting held in Montreal, 1884, adopted a resolution drawing the attention of the Government of the Dominion to the importance of establishing a series of stations on the coasts of the Dominion for the purpose of making tidal observations. The subject has occupied the attention of the Department, and a report will be found in Appendix No. 35, prepared by Lieut. Gordon, R.N., giving the result of certain observations made during the past season at certain stations in Nova Scotia and Prince Edward Island.

#### MERCHANT SHIPPING.

The total number of vessels remaining on the register books of the Dominion on the 31st December, 1887, including old and new vessels, sailing vessels, steamers and barges, was 7,178, measuring 1,130,247 tons register tonnage, being a decrease of 116 vessels and 87,521 tons register, as compared with 1886. The number of steamers on the registry books on the same date was 1,240, with a gross tonnage of 178,189. Assuming the average value to be \$30 per ton, the value of the registered tonnage of Canada, on the 31st December last, would be \$33,907,260.

The number of new vessels built and registered in the Dominion of Canada during the last year was 223, measuring 22,516 tons register tonnage. Estimating the value of the new tonnage at \$45 per ton, it gives a total value of \$1,013,220 for new vessels.

A statement follows, showing the number of vessels and number of tons on the register books at the different ports of registry in the Dominion, on the 31st December last, along with a comparative statement of the tonnage from 1873 to 1887. A statement is also published of the number of vessels built and registered in the Dominion during the last year, and a comparative statement of new vessels built and registered from 1874 to 1887, both inclusive.

A comparative statement is also given, compiled from French Lloyds' general list of shipping for 1887-88, showing the tonnage of the maritime nations of the world.

A list of the vessels on the registry books of the Dominion is made at the end of each year, showing the registered tonnage and dimensions of each vessel, and every third year it is published in book form. The list for 1886 was published and distributed last year.

A large decrease occurred in the tonnage of Montreal last year, owing to the registers of a number of the Allan steamers having been transferred to Glasgow.

The following persons were appointed Measuring Surveyors of Shipping, viz. :—

Mr. Daniel McAllister..... Cobourg, Ont.,  
in place of Mr. C. E. Ewing, resigned.

Mr. Jas. D. Masson..... Queen's County, P.E.I.

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

Name of Vessel.	Official Number.	Port of Registry.
Uncle Sam.....	88,597	Yarmouth.
Montreal.....	61,452	Windsor, N.S.
A. P. Ames.....	90,612	Moncton.
Governor Langton.....	69,346	Chatham, N.B.
Hope.....	61,627	Guysboro.
Maggie Lynds.....	90,611	St. John.
Armenia.....	.....	Chatham.
Titania.....	82,333	Quebec.
Annie W.....	59,240	Moncton.
Gasper Embree.....	83,085	Chatham, N.B.
Katie Stuart.....	71,475	Pictou, N.S.
Oscar.....	59,259	St. John.
Evangeline.....	83,102	Richibucto.
Ripple.....	64,033	Port Hawkesbury,
Ceylon.....	88,343	do
C. S. Parnell.....	71,301	St. John.
Lizzie C.....	79,979	Charlottetown.

Permission was given to change the names of the following vessels, during the last calendar year, viz. :—

Steamer "Gipsy," of Kingston, official number 77,589, changed to "Ella Ross."

Schooner "Mary Taylor," of Kingston, changed to "Loretta Rooney."

Steamer "Europe," of Montreal, official number 85,423, changed to "Regina."

Steamer "Teaser," of Victoria, official number 88,370, changed to "Rainbow."

Steamer "International," of Windsor, Ont., official number 88,623, changed to "Onaping."

Steamer "Belle," of Ottawa, official number 85,267, changed to "Ida."

Steamer "Mabel Freeman," official number 85,489, changed to "Argus."

STATEMENT showing the number of Vessels and number of Tons on the Registry Book of the Dominion of Canada, on the 31st December, 1887.

PROVINCE OF NEW BRUNSWICK.

Name of Port.	No. of Vessels.	No of Steamers.	Gross Tonnage, Steamers.	Total Net Tonnage.
Chatbam	174	24	1,608	14,702
Dorchester	27			18,749
Moncton	11			2,673
Richibucto	15	1	57	4,180
Sackville	12			2,897
St. Andrews	172	2	45	7,769
St. John	616	53	8,131	204,258
Total	1,027	80	9,841	255,136

PROVINCE OF NOVA SCOTIA.

Amherst	14			4,914
Annapolis	76	2	53	13,897
Arichat	121	1	68	5,359
Barrington	41			2,131
Baddeck	2			105
Digby	164	2	93	12,840
Guysboro'	50			2,387
Halifax	906	40	4,544	72,458
Liverpool	79			6,094
Londonderry	3			893
Lunenburg	268	2	60	21,430
Maitland	42			40,271
Pugwash	10			729
Parrsboro'	102	2	41	23,768
Pictou	83	7	210	28,592
Port Hawkesbury	57			2,736
Port Medway	28	1	45	2,026
Sydney	112	7	326	4,845
Shelburne	120			10,047
Truro	5			1,500
Windsor	186	5	451	124,315
Weymouth	20			2,824
Yarmouth	355	15	1,838	114,697
Total	2,845	84	7,727	493,878

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

## PROVINCE OF QUEBEC.

Name of Port.	No. of Vessels.	No. of Steamers.	Gross Tonnage, Steamers.	Total Net Tonnage.
Amherst.....	30			1,053
Gaspé.....	39	1	709	2,312
Montreal.....	581	161	28,992	86,202
New Carlisle.....	25	2	27	1,237
Perce.....	2			133
Quebec.....	909	155	26,808	98,127
St John's.....				
Total.....	1,586	319	56,536	189,064

## PROVINCE OF ONTARIO.

Amherstburg.....	6	1	54	230
Belleville.....	17	7	618	865
Brockville.....	31	30	722	862
Collingwood.....	30	28	2,430	2,181
Chippewa.....	3	2	263	153
Cramah.....	2			278
Chatham.....	26	15	1,753	2,067
Cobourg.....	7	3	71	486
Cornwall.....	2	2	268	190
Darlington.....	2			253
Dunnville.....	9	5	636	1,027
Deseronto.....	5	4	1,080	761
Goderich.....	32	14	496	1,536
Hamilton.....	38	22	7,072	7,198
Kingston.....	189	63	9,978	23,607
Morrisburg.....	3	1	54	393
Napanee.....	18	5	391	2,535
Oshawa.....	1			134
Owen Sound.....	27	27	4,621	3,110
Ottawa.....	199	85	10,074	20,651
Oakville.....	4			323
Prescott.....	23	11	1,183	3,222
Port Burwell.....	20	5	158	2,933
Port Arthur.....	2	2	326	120
Port Dover.....	18	6	266	1,163
Port Colborne.....	6	2	95	693
Port Hope.....	55	33	2,624	4,890
Port Rowan.....	8			1,051
Port Stanley.....	7	5	1,593	1,275
Pictou.....	37	10	623	4,023
Sarnia.....	20	13	5,953	4,761
Sault Ste. Marie.....	5	5	258	200
St. Catharines.....	134	56	11,093	23,110
Toronto.....	178	110	8,260	12,824
Wallaceburg.....	41	20	1,499	2,980
Windsor.....	64	18	7,249	6,441
Whitby.....	3			611
Total.....	1,275	610	81,724	139,548

STATEMENT showing the number of Vessels and number of Tons on the Registry Book of the Dominion of Canada, on the 31st December, 1887—*Concluded.*

PROVINCE OF PRINCE EDWARD ISLAND.

Name of Port.	No. of Vessels.	No. of Steamers.	Gross Tonnage, Steamers.	Total Net Tonnage.
Charlottetown .....	225	14	3,114	29,031

PROVINCE OF BRITISH COLUMBIA.

Victoria .....	119	63	11,396	10,651
New Westminster.....	30	27	3,025	2,138
Total.....	149	90	14,421	12,789

PROVINCE OF MANITOBA.

Winnipeg.....	71	43	4,846	5,811
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SUMMARY.

New Brunswick.....	1,027	80	9,841	255,126
Nova Scotia.....	2,815	84	7,727	498,878
Quebec.....	1,586	319	56,516	189,064
Ontario.....	1,275	610	81,724	139,548
Prince Edward Island.....	225	14	3,114	29,031
British Columbia.....	149	90	14,421	12,789
Manitoba.....	71	43	4,846	5,811
Total.....	7,178	1,240	178,189	1,130,247

COMPARATIVE STATEMENT showing the Number of Vessels and Number of Tons on the Registry Books of the Dominion of Canada, on the 31st December, in each Year, from 1873 to 1887.

Provinces.	1873.		1874.		1875.		1876.		1877.		1878.		1879.		1880.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick .....	1,147	277,850	1,144	294,741	1,133	307,926	1,154	324,513	1,133	329,457	1,142	335,935	1,135	340,491	1,097	338,976
Nova Scotia .....	2,803	449,701	2,787	479,669	2,786	505,144	2,867	529,253	2,961	641,579	3,003	653,363	2,975	652,159	2,977	660,449
Quebec .....	1,842	214,043	1,837	218,946	1,835	222,965	1,902	228,502	1,931	248,399	1,678	249,349	1,973	246,025	1,849	233,341
Ontario .....	681	89,111	815	113,008	835	114,980	889	123,917	926	131,761	958	135,440	1,003	136,987	1,042	137,481
Prince Edward Island .....	280	38,918	312	48,368	335	50,677	338	50,692	342	55,647	322	54,250	298	49,807	288	45,631
British Columbia .....	20	4,095	35	8,685	40	3,585	40	3,809	43	3,479	51	4,482	60	4,701	63	5,019
Manitoba .....	.....	.....	2	178	2	.....	2	.....	6	246	17	1,161	22	1,924	21	1,992
Total .....	6,763	1,073,718	6,930	1,158,361	6,952	1,205,566	7,192	1,260,891	7,362	1,310,463	7,469	1,333,015	7,471	1,332,094	7,377	1,311,218
Provinces.	1881.		1882.		1883.		1884.		1885.		1886.		1887.			
New Brunswick .....	1,081	333,215	1,065	308,980	1,107	315,903	1,096	308,132	1,060	288,589	1,042	269,224	1,027	265,126	1,027	265,126
Nova Scotia .....	3,025	568,911	3,026	546,778	3,037	641,715	2,942	644,048	2,988	641,832	2,939	536,921	2,845	493,878	2,845	493,878
Quebec .....	1,830	224,936	1,764	215,804	1,735	216,577	1,638	202,842	1,631	203,635	1,650	232,566	1,686	189,064	1,686	189,064
Ontario .....	1,081	139,998	1,112	137,061	1,133	140,972	1,184	142,387	1,223	144,487	1,268	140,929	1,275	139,514	1,275	139,514
Prince Edward Island .....	273	45,410	248	41,681	241	49,446	234	39,213	227	36,010	225	30,668	225	29,031	225	29,031
British Columbia .....	74	6,286	64	7,687	94	9,046	115	11,403	123	11,834	134	11,900	149	12,789	149	12,789
Manitoba .....	24	2,130	23	2,783	24	2,778	55	5,722	63	5,439	66	5,578	71	5,811	71	5,811
Total .....	7,394	1,310,896	7,312	1,260,777	7,374	1,276,440	7,264	1,253,747	7,316	1,231,856	7,294	1,217,766	7,178	1,130,347	7,178	1,130,347

List of Ports at which Vessels may be Registered, showing the Number of New Vessels Built in the Dominion, and Registered, during the Year ended 31st December, 1887.

## PROVINCE OF NEW BRUNSWICK.

Name of Port.	Vessels.	Tonnage.	Name of Port.	Vessels.	Tonnage.
Chatham .....	2	253	St. John .....	13	2,431
Dorchester .....	1	205	St. Andrews .....	1	11
Moncton .....	1	19	Sackville .....		
Richibucto .....			Total .....	18	2,909

## PROVINCE OF NOVA SCOTIA

Amherst .....			Parrsboro' .....	10	2,556
Annapolis .....			Pictou .....	4	120
Arichat .....	2	44	Port Medway .....	2	134
Barrington .....	2	47	Port Hawkesbury .....	5	232
Digby .....			Shelburne .....	7	788
Guysboro' .....	2	34	Sydney .....	1	9
Halifax .....	14	377	Truro .....	1	64
Liverpool .....	3	246	Weymouth .....	4	343
Lunenburg .....	17	1,443	Windsor .....	8	4,480
Maitland .....	1	1,233	Yarmouth .....	4	180
			Total .....	87	12,310

## PROVINCE OF QUEBEC.

Amherst (Magdalen Islands) .....			New Carlisle .....		
Gaspé .....			Quebec .....	11	497
Montreal .....	17	2,481	St John's .....		
			Total .....	28	2,888

## PROVINCE OF ONTARIO.

Amherstburg .....	1	21	Port Burwell .....	1	105
Brockville .....	1	2	Prescott .....	2	64
Belleville .....	1	22	Port Dover .....		
Chatham .....			Port Hope .....	2	7
Cobourg .....	1	19	Port Rowan .....		
Collingwood .....	6	126	Port Stanley .....		
Cornwall .....			Port Arthur .....		
Deseronto .....			Sarnia .....	2	146
Darlington .....			Sault Ste. Marie .....		
Goderich .....	5	112	St. Catharines .....	2	135
Hamilton .....	6	85	Toronto .....	13	356
Kingston .....	3	173	Windsor .....		
Owen Sound .....	4	428	Whitby .....		
Ottawa .....	13	1,086	Wallaceburg .....	2	98
Picton .....	1	8	Total .....	66	2,993



LIST of Ports at which Vessels may be Registered, showing the Number of New Vessels built in the Dominion, &c.—*Concluded.*

PROVINCE OF PRINCE EDWARD ISLAND.

Name of Port.	Vessels.	Tonnage.
Charlottetown .....	7	601

PROVINCE OF BRITISH COLUMBIA.

Victoria .....	5	203
New Westminster .....	4	173
Total .....	9	376

PROVINCE OF MANITOBA.

Winnipeg .....	8	439
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SUMMARY.

New Brunswick .....	18	2,969
Nova Scotia .....	87	12,310
Quebec .....	28	2,888
Ontario .....	66	2,993
Prince Edward Island .....	7	601
British Columbia .....	9	376
Manitoba .....	8	439
Total .....	223	22,510

COMPARATIVE STATEMENT of New Vessels Built and Registered in the Dominion of Canada during the Years ended 31st December, 1874 to 1887.

Provinces.	1874.		1875.		1876.		1877.		1878.		1879.		1880.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick .....	89	42,027	66	33,483	61	31,040	54	31,155	56	21,368	43	19,067	63	18,896
Nova Scotia .....	176	84,480	177	67,106	194	58,771	219	47,900	166	49,784	126	39,208	109	31,257
Quebec.....	73	20,786	102	22,826	51	17,800	62	19,263	46	10,870	29	7,431	33	8,319
Ontario .....	80	10,791	83	7,760	47	5,397	28	3,306	30	2,408	43	2,464	41	3,610
Prince Edward Island.....	88	21,634	83	19,838	62	14,571	62	17,026	38	10,382	20	5,279	21	3,369
British Columbia .....	5	276	.....	.....	1	121	2	204	2	45	5	788	.....	100
Manitoba .....	.....	.....	.....	.....	.....	.....	3	48	1	15	.....	.....	.....	.....
Add new vessels built in Canada, which proceeded to the United Kingdom under a Governor's pass without being registered .....	480	183,010	450	151,012	46	1,37,700	430	118,985	339	100,873	265	74,227	271	65,441
Add new vessels which left Quebec for registration in Germany .....	6	7,746	.....	.....	3	2,721	2	1,913	1	633	.....	.....	.....	.....
Totals .....	496	190,756	450	151,012	490	130,901	432	120,928	310	101,506	265	74,227	271	65,441
	1881.		1882.		1883.		1884		1885		1886.		1887.	
New Brunswick .....	57	18,259	66	16,820	72	21,103	46	12,888	34	7,756	31	4,931	18	2,909
Nova Scotia .....	150	40,465	117	26,711	202	35,765	178	42,032	102	24,703	91	20,946	87	12,310
Quebec.....	56	5,674	26	6,783	42	6,591	32	3,815	29	4,556	27	2,683	28	2,888
Ontario .....	51	5,111	55	4,369	34	4,311	58	4,416	45	3,509	52	2,075	66	2,993
Prince Edward Island.....	16	4,351	15	3,508	17	5,343	21	5,189	11	1,707	12	1,318	7	600
British Columbia .....	2	81	8	1,631	5	849	16	675	6	648	8	151	9	376
Manitoba .....	2	116	1	289	2	125	37	3,366	13	30	3	93	8	49
Add new vessels built in Canada, which proceeded to the United Kingdom under a Governor's pass without being registered .....	336	74,050	288	60,113	374	74,090	387	72,411	240	43,179	229	32,207	223	22,506
Add new vessels which left Quebec for registration in Germany .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals .....	336	74,060	289	61,142	374	74,090	387	72,411	240	43,179	229	32,207	223	22,516

STATEMENT showing the Sea-going Tonnage and Tonnage of Steamers over 100 tons register of each of the Maritime States of the World, compiled from the Répertoire Général for 1886-1887.

Nationality.	Steamers	Gross Tonnage of Steamers.	Net Tonnage of Steamers.	Sailing Vessels.	Net Tonnage of Sailing Vessels.	Total Net Tonnage.
British, including Canada and the Colonies.....	4,906	6,543,815	4,199,144	14,584	4,654,214	8,853,358
French.....	468	743,660	494,023	2,136	385,631	879,654
German.....	529	601,975	431,700	2,328	849,569	1,381,569
Canadian (1,217,766 tons).....						
American.....	379	506,688	347,449	6,102	2,060,258	2,407,707
Spanish.....	356	399,577	260,308	1,450	269,278	529,886
Dutch.....	167	210,549	141,071	940	276,480	417,651
Italian.....	158	204,058	129,482	2,778	825,455	954,937
Russian.....	218	165,447	103,295	2,157	469,098	577,393
Norwegian.....	275	147,011	107,800	3,813	1,373,512	1,481,512
Swedish.....	329	137,377	98,529	1,960	403,887	502,416
Austrian.....	105	135,145	96,163	464	194,690	288,753
Danish.....	174	127,830	85,300	991	154,652	239,952
Belgian.....	62	111,746	83,286	25	7,231	90,517
Japanese.....	101	92,479	58,021	105	29,909	87,930
Greek.....	57	54,614	34,462	1,348	268,246	302,708
Brazilian.....	82	49,216	32,090	105	29,090	61,180
Egyptian.....	28	32,674	20,560			20,560
Portuguese.....	27	26,515	17,367	365	80,225	97,592
Chilian.....	23	24,923	16,223	135	65,509	81,832
Mexican.....	12	18,456	11,765	43	7,997	19,753
Argentine.....	22	13,120	7,987	68	15,833	23,800
Chinese.....	9	11,832	7,567	3	1,005	8,572
Turkish.....	17	11,770	7,297	46	69,627	76,924
Hawaiian.....	12	10,127	6,197	24	9,243	15,439
Peruvian.....	5	5,951	4,060	31	21,180	25,240
Haitian.....	4	4,087	2,529	20	3,642	6,171
Zanzibar.....	2	2,828	1,750			1,750
Uruguay.....	4	2,396	1,507	34	10,904	12,411
Roumanian.....	3	2,125	1,403	19	3,354	4,757
Tunisian.....	2	1,763	1,205	3	258	1,462
Honduras.....	1	989	643	1	197	740
Persian.....	1	838	579			579
Venezulan.....	3	838	540	12	2,108	2,618
Costa Rica.....	2	719	445	4	891	1,316
Siamese.....	2	547	351	15	6,368	6,719
Equator.....	1	329	249			249
San Domingo.....	1	167	103	2	260	363
Nicaraguan.....				24	10,187	10,187
Guatemala.....				18	5,519	5,519
Bolivian.....				3	2,413	2,413
San Salvador.....				5	1,770	1,770
Colombian.....				7	1,334	1,334
Tahitian.....				2	439	439
Montenegrian.....				3	412	412
Liberian.....				2	317	317
Jerusalem.....				1	283	283
Total.....	8,547	10,403,980	6,817,400	42,545	12,571,584	19,388,984

## COASTING TRADE OF CANADA.

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

It having been ascertained that the following countries, viz: Italy, Germany, Netherlands, Sweden and Norway, Austro-Hungary, Denmark and Belgium, allowed British ships or vessels to participate in their coasting trade on the same footing as their own national vessels, the ships of Italy, by Order in Council of the 13th August, 1873; those of Germany, by Order in Council of the 14th May, 1874; those of the Netherlands, by Order in Council of the 9th September, 1874; those of Sweden and Norway, by Order in Council of the 5th November, 1874; those of Austro-Hungary, by Order in Council of the 1st June, 1876; those of Denmark, by Order in Council of the 25th January, 1877; those of Belgium by Order in Council of the 30th September, 1879, and those of the Argentine Republic, by Order in Council of the 18th May, 1881, were admitted to the coasting trade of Canada.

## ESTABLISHMENT STAFF AT OTTAWA.

In Appendix No. 1 a statement is given showing the names of the members on the Establishment staff of the Department at Ottawa, the rank held by each, and the amount of salary they severally received during the fiscal year ended 30th June, 1887.

## OUTSIDE SERVICE.

The number of persons employed on the Outside Service on the 31st December, 1887, was as follows:—

Superintendent of Lights and Light-keepers, &c., in Ontario and above Montreal	151
Officers of Agency in City of Quebec, and Light-keepers, Fog-whistle Keepers, &c., at and below Montreal, in the Province of Quebec	212
Agent, Clerk, Messenger, Superintendent of Lights, Light-keepers, Fog-whistle Keepers, Attendants at Humane Establishments, &c., in Nova Scotia	218
Agent, Clerk, Messenger, Superintendent of Lights, Light-keepers, Fog-whistle keepers, &c, in New Brunswick.	97
Agent and Light-keepers in Prince Edward Island	37
Agent and Light-keepers in British Columbia	10
Officers and crews of Dominion steamers and vessels	167
Inspectors of steamboats	15
Examiners of Masters and Mates, and Clerk to Chairman of Board	19
Harbour Police, Montreal and Quebec	75
Officers and servants in Marine Hospitals	75
Shipping Masters	24
Harbour Masters	182
Officers of Observatories, Meteorological Observers, &c., receiving pay	100
Receivers of Wreck	36
Wharfingers	42
<b>Making a total of</b>	<b>1,460</b>

For the previous year the number was 1,431. In addition to the 1,460 mentioned above, there are 76 Registrars of Shipping, who act under the direction and control of this Department, but are, at the same time, Collectors of Customs at the various ports of registration, and receive no salary or fees in their capacity of Registrars. There are 92 Measurers and Surveyors of Shipping at certain ports throughout the Dominion, who act as officers of this Department, and are remunerated from their fees of office, although, in addition to such office, many of them hold a position in the Customs Service. Also, in addition to the above, by Orders in Council of the 21st April and 2nd December, 1874, the Chief Officer of Customs at each port in the Provinces of Quebec, Nova Scotia, New Brunswick, British Columbia and Prince Edward Island, where no separate shipping office has been established, is to be held and deemed a Shipping Master, is to receive the fees, make half-yearly returns to this Department, and act in that capacity under its directions.

From the above statement it will be seen that there are 100 officers of Observatories, &c., who receive pay for the performance of their duties, but in addition thereto there are a large number of meteorological observers throughout the Dominion who give their services gratuitously.

I have the honour to be, Sir,

Your most obedient servant,

WM. SMITH,  
*Deputy Minister of Marine.*

DEPARTMENT OF MARINE,  
OTTAWA, 1st January, 1888.

## APPENDIX No. I

To the Twentieth Annual Report of the Department of Marine, being Statement showing the names of Members of the Establishment Staff of the Department of Marine, the Rank held by each, and the Salary they severally received, during the Fiscal Year ended 30th June, 1887.

To whom Paid.	Rank.	Period.	Amount.
			\$ cts.
Hon. George E. Foster...	Minister .....	12 months .....	7,000 00
Wm. Smith .....	Deputy Minister .....	do .....	3,200 00
John Hardie .....	Chief Clerk .....	do .....	2,400 00
F. Gourdeau .....	do and Accountant .....	do .....	1,850 00
W. L. Magee .....	1st Class Clerk .....	do .....	1,800 00
W. P. Anderson .....	do .....	do .....	1,800 00
W. H. Alexander .....	2nd do .....	do .....	1,300 00
M. P. McElhinney .....	do .....	do .....	1,274 98
A. W. Owen .....	do .....	do .....	1,137 50
J. M. Oxley .....	do .....	do .....	1,100 00
W. B. Carleton .....	3rd do .....	do .....	923 35
J. B. Halkett .....	do .....	do .....	1,000 00
W. W. Stumbles .....	do .....	do .....	1,000 00
N. Nicholson .....	do .....	do .....	950 00
V. H. Steele .....	do .....	do .....	850 00
A. Halkett .....	do .....	do .....	750 00
J. E. McClenaghan .....	do .....	do .....	600 00
A. H. Guion .....	do .....	From 4th April to 30th June, 1887	96 88
J. A. McIntyre .....	do .....	8 months .....	266 64
S. J. Jenkins .....	Private Secretary .....	12 do .....	600 00
Jules Morin .....	Messenger .....	12 do .....	500 00
J. A. Robertson .....	do .....	do .....	500 00
	Total .....		30,899 15

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No. 2

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights above Montreal, for the Fiscal Year ended 30th June, 1887.

		GENERAL ACCOUNT.		\$ cts.	\$ cts.
Patrick Harty.....	12 months salary as Superintendent of Lights.....		\$1,176 00		
do .....	13 months superannuation tax .....		24 00		
do .....	Travelling expenses .....			1,200 00	
John Corbett .....	10 months salary as Foreman of works.....			65 00	
W. H. Noble.....	12 do inspecting and fitting up light-house apparatus.....			1,000 00	
do .....	Paid for freight, cartage and travelling expenses..			874 96	
W. P. Anderson .....	Travelling expenses .....			164 46	
A. Rosenthal.....	28 clocks at \$3.75.....			172 99	
Wm. Howe.....	Wall paper .....			105 00	
Robert Latimer .....	Cartage of oil .....			278 32	
C. S. Shaw & Co. ....	Burners, wicks, etc.....			25 80	
Union Glass Co. ....	Chimneys .....			178 25	
H. St. A. Ormond.....	Paid freight on chimneys, travelling expenses.....			228 60	
Patterson & Law.....	Ring bolts, etc.....			47 03	
L. C. Barney.....	Plate glass, oil, turpentine .....			13 44	
James Redden.....	Lime .....			1,871 95	
Fenwick & Sclater .....	Manilla, flags, blocks, etc .....			16 50	
G. W. Cameron .....	29 <sup>2</sup> / <sub>3</sub> tons coal, at \$6.70, \$194.96; 2 tons, at \$6, \$12			559 37	
Gault Bros. & Co .....	Towels, ticking, duck, cotton, flannel.....			206 96	
H. A. Nelson & Sons.....	70 dozen brooms, at \$1.50 .....			295 91	
Kenneth, Campbell & Co	Spirits of wine, oil, varnish, etc .....			175 00	
C. C. Snowdon & Co.....	Brushes, saws, baskets, oils, etc.....			135 65	
Duff & Gatfield.....	Keeping signals at Lime Kiln Crossing .....	\$500 00		814 33	
do .....	Maintaining lightship .....	716 66			
G. E. Jacques & Co....	Use of tarpaulins, etc .....			1,216 66	
Buchanan, Lawson & Robinson.....	Shingles .....			15 00	
Wm. Watts & Son .....	Oars and rowlocks .....			16 80	
W. R. Anderson & Co....	Painting, paint brushes and repairs.....			39 00	
T. Long & Bro. ....	Lumber, &c.....			15 00	
J. B. Fairgrieve.....	Amount contract steamer "Canada" for supply trip.....			203 12	
J. A. Robertson .....	Travelling expenses, supply trip.....			2,340 00	
Canadian Pacific Ry. Co.	Freight on returned supplies.....			18 60	
Canada Atlantic Ry. Co.	do charts .....			27 04	
Thomas Ellis.....	Carrying supplies to Fox Island.....			6 72	
F. McKay .....	do do .....			3 50	
Bank of Montreal.....	Paid duty on coal for steamer "Bayfield".....			1 00	
E. B. Eddy .....	Matches.....			24 00	
Imperial Oil Co.....	2703·98 galls. oil, at 21c., delivered at Montreal..	\$567 84		48 45	
do .....	do do .....	678 99			
do .....	do 21c., delivered at Kingstn.	\$377 73		1,146 83	
do .....	do 24c. do .....	343 53			
do .....	do 20c., delivered at Hamilton.	\$544 85		721 26	
do .....	do 23c. do .....	650 70			
				1,195 55	
	Carried forward.....			13,468 05	

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

		\$ cts.	\$ cts.
	Brought forward.....	13,468 05	
	<b>GENERAL ACCOUNT—Concluded.</b>		
Imperial Oil Co.....	3,898-18 galls. oil, at 20c., delivered at Sarnia..	\$779 64	
do .....	4,167-90 do 23c. do ..	958 61	
do .....	16-84 galls. at 24c., delivered at Kingsville.....		1,738 25
do .....	Samples of oil.....		4 04
Blyth & Kerr.....	Hardware, oil cans, pails, rope.....		3 44
D. Dubé .....	Stone.....		40 84
Treasurer, City of Kings- ton.....	Salary for Keeper, lighting city clock....	\$100 00	
do do .....	Gas.....	288 13	
D. Gardner & Co.....	Cotton.....		388 13
W. Wall.....	Boxes and barrels.....		4 32
J. D. Potter.....	Admiralty charts and binding same .....		3 40
Chance Bros.....	Ruby chimneys and burners.....		209 75
G. A. Harris.....	Freight on supplies.....		448 60
Port Darlington Harbor Co .....	Allowance for light on pier during seasbn 1886.....		147 00
A. Ardley .....	Freight on box .....		100 00
A. Lockerbie .....	Advance made to late Mr. Mann .....		5 96
James Burns.....	Travelling expenses.....		15 00
James Green.....	do .....		5 20
M. J. Woodward & Co....	193-60 galls. oil, at 20½c. ; freight, \$4.....		2 00
"Mail" Printing Co.....	Advertising notices to mariners re Port Colborne light.....		43 69
"Courier" Co., Buffalo.	do do .....		3 75
Welland "Telegraph"...	do do .....		3 00
Essex "Review".....	do do .....		2 42
Sandusky "Journal"....	do do .....		3 60
Detroit "Free Press"....	do do .....		2 50
Toledo "Blade" Co.....	do do .....		2 24
Toronto "World".....	do do .....		3 00
Canadian Printing Co....	do do .....		2 50
"Le Monde".....	Advertising for tenders for supplies of oil and char- ter of steamer .....		2 56
"The Star".....	do do .....		8 90
Kingston "Daily News"	do do .....		13 40
"Spectator" Printing Co	do do .....		4 40
"Gazette" do .....	do do .....		2 40
London "Free Press"....	do do .....		8 90
"Courrier du Canada"....	do do .....		5 50
"Le Journal de Quebec"....	do do .....		2 80
"Daily Telegraph".....	do do .....		4 60
Petrolea "Advertiser"....	do do .....		4 60
L. J. Demers et Frères...	do do .....		4 04
"Insurance and Finance Chronicle".....	do do .....		9 20
"The Shareholder".....	do do .....		9 60
"La Minerve".....	do do .....		6 80
"Journal" Printing Co.	do do .....		6 80
Canadian do .....	do do .....		2 20
			1 76
	<i>Allumette Island.</i>		18,753 54
Barney Spence.....	12 months salary as Light-keeper.....	100 00	
do .....	Paid freight on coal oil.....	2 60	
O. T. Bate & Co.....	41-70 gallons oil, at 18c.....	7 50	
	<i>Arnprior Island.</i>		110 10
James Hughes.....	12 months salary as Light-keeper.....	150 00	
do .....	Paid for 2 pair oars.....	3 85	
			153 85
	Carried forward.....		19,016 49



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

		\$	cts.	\$	cts.
Brought forward .....				19,016	49
<i>Aylmer Island.</i>					
F. Boucher.....	12 months salary as Light-keeper.....	100	00		
do .....	Paid freight on oil.....	4	95		
C. T. Bate & Co.....	25·18 gallons oil, at 18c.....	4	53		
				109	48
<i>Bar Point Lightship.</i>					
John Manson.....	Salary for February, March and April.....	113	33		
do .....	Pumping water out of vessel .....	20	00		
J. R. Park.....	Taking charge of vessel.....	108	50		
				241	83
<i>Baskin's Wharf.</i>					
Wm. Baskin.....	12 months salary as Light-keeper.....	130	00		
C. T. Bate & Co.....	1 barrel oil, \$11.61, and 40·50 gallons, at 18c.....	18	90		
				148	90
<i>Batchewana Bay.</i>					
A. Crawford.....	12 months salary as Light-keeper.....			350	00
<i>Battle Island.</i>					
C. S. McKay.....	12 months salary as Light-keeper.....	\$493	75		
do .....	do superannuation tax.....	6	25		
		500	00		
Wm. Watts & Son.....	Amount for building boat.....	200	00		
Str. "City of Owen Sound".....	Carriage of boat.....	25	00		
				725	00
<i>Beauharnois.</i>					
Xavier Grignon.....	12 months salary as Light-keeper.....	225	00		
do .....	Paid expressage on lamps.....	5	40		
				230	40
<i>Belleville.</i>					
John Covert.....	12 months salary as Light-keeper.....	\$197	50		
do .....	do superannuation tax.....	2	50		
		200	00		
do .....	Paid charges on oil .....	1	55		
A. Tisdale .....	Repairing boat and painting roof. ....	5	00		
W. Alford.....	Lumber, labour and boat hire.....	8	00		
				214	55
<i>Bois Blanc.</i>					
A. Hackett.....	12 months salary as Light-keeper....	\$329	56		
do .....	do superannuation tax.....	5	44		
		335	00		
do .....	Hire of tug going to light in storm .....	5	00		
do .....	Paid for lumber.....	12	00		
George Galt.....	Marine compass .....	20	00		
Frank Dupey.....	Labour at drain.....	25	00		
J. D. Burke.....	Rope .....	3	50		
A. Bastien.....	Moving front range.....	25	00		
				925	50
Carried forward.....				21,962	15

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

		\$	cts.	\$	cts.
		Brought forward.....		21,962 15	
<i>Brown's or Knapp's Point.</i>					
Patrick McAvoy .....	12 months salary as Light-keeper.....	148	13		
do .....	do superannuation tax.....	1	87		
				150 00	
<i>Buckom's Point.</i>					
G. Ouellette .....	12 months salary as Light-keeper .....	150	00		
C. T. Bate & Co .....	20 gallons oil, at 18c .....	3	60		
Mrs. MacLaren .....	Rent of land, to 1st July, 1886.....	15	00		
				168 60	
<i>Burlington Beach.</i>					
T. Campbell .....	12 months salary as Light-keeper .....	\$296	25		
do .....	do superannuation tax .....	3	75		
				300 00	
George Allen .....	2 cords wood.....		13 00		
				313 00	
<i>Burnt Island.</i>					
C. Turcotte.....	12 months salary at Light-keeper. ....	\$246	88		
do .....	do superannuation tax.....	3	12		
				250 00	
John McNinch.....	2 cords wood .....		7 00		
				257 00	
<i>Byng Inlet.</i>					
Joseph Lamondin .....	12 months salary at Light-keeper. ....				250 00
<i>Campbell Island.</i>					
Mails Cowley .....	12 months salary as Light-keeper.....	150	00		
do .....	Paid freight on supplies .....		0 50		
C. T. Bate & Co .....	45·68 gallons oil, at 18c .....		8 22		
				158 72	
<i>Cape Robert.</i>					
W. E. Nesbit .....	12 months salary as Light-keeper.....	350	00		
do .....	Paid freight on boat .....		8 50		
Mrs. S. K. Nesbit .....	Examining and reporting on oil.....		10 00		
P. Doherty.....	Boat.....		125 00		
				493 50	
<i>Cariboo Island.</i>					
R. May .....	Salary as Light-keeper, from 24th August, 1886, to 30th June, 1887.....	483	87		
W. H. Plummer & Co....	Putty, paint, compass, boat hire, etc.....	50	25		
Ainsworth & Gauley .....	Hire of tug .....	50	00		
J. B. Fairgrieve .....	Delivering coal.....	50	00		
P. Doherty.....	On account of boats .....	200	00		
Steamer "City of Owen Sound .....	Carriage of 2 boats.....		40 00		
				874 12	
<i>Chantry Island.</i>					
W. McG. Lambert .....	12 months salary as Light-keeper .....	\$444	37		
do .....	do superannuation tax.....	5	63		
				450 00	
do .....	Paid fuel, lumber, repairs, etc.....		53 08		
				503 08	
		Carried forward.....		25,130 17	

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

		\$ cts.	\$ cts.
Brought forward.....			25,130 17
<i>Cherry Island.</i>			
J. S. Johnson .....	12 months salary as Light-keeper .....	300 00	
do .....	Paid for boat .....	30 00	
			330 00
<i>Christian Island.</i>			
John Hoar.....	12 months salary as Light-keeper.....	\$429 69	
do .....	do superannuation tax .....	5 31	
do .....	Paid for trowels, timber, labor, etc.....	435 00	
W. H. Noble.....	Travelling expenses, inspecting .....	39 15	
T. Marchildon.....	Timber.....	108 20	
		21 00	
			603 35
<i>Clapperton Island.</i>			
E. B. Baker.....	12 months salary as Light-keeper .....	345 63	
do .....	do superannuation tax.....	4 37	
			350 00
<i>Cobourg.</i>			
Robert Gordon .....	12 months salary as Light-keeper .....	125 00	
do .....	Paid for repairs to lantern, mast, etc.....	8 10	
			133 10
<i>Colchester Reef.</i>			
John Manson.....	12 months salary as Light-keeper.....	575 00	
Chris. Robson.....	Boat going to light .....	33 00	
T. B. White .....	Stone .....	1,230 00	
H. A. Hackett .....	Carrying oil, freight, etc.....	30 76	
D. L. Wigle .....	Pump, hose, rope, lead, etc.....	71 61	
A. Mickle.....	Hauling boat.....	3 50	
L. N. Deneau.....	Boat and oars.....	22 09	
Blyth & Kerr .....	Level and draw-knife.....	1 80	
Park & Borrowman.....	Storage and repairs to boat .....	23 15	
Owner Str. "Dresden" ..	Freight on coal, boat, etc.....	3 80	
J. G. Mullen.....	1 ton coal, \$7; 1 empty barrel, \$1 .....	8 00	
D. Johnston .....	Freight on coal .....	3 00	
"Western Herald" .....	Advertising for tenders for rip-rap .....	2 00	
Essex "Review" .....	do do .....	2 50	
"Western Clarion" .....	do do .....	2 50	
"Le Courrier d'Essex" ..	do do .....	2 50	
			2,015 12
<i>Cole Shoal.</i>			
R. P. Boyd.....	12 months salary as Light-keeper .....	250 00	
James Burreis .....	Flooring kitchen and pantry.....	20 00	
John McKay.....	Repairing chimney.....	3 00	
			273 00
<i>Collingwood.</i>			
And. Lockerbie.....	12 months salary as Light-keeper.....	250 00	
do .....	Paid for ladders, freight, repairs, etc.....	48 61	
			298 61
<i>Coteau Island.</i>			
E. B. Prieur.....	12 months salary as Light-keeper.....		140 00
Carried forward.....			29,273 35

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

		\$	cts.	\$	cts.
		Brought forward.....		29,273	25
<i>Deep River Island.</i>					
Owen Smith.....	12 months salary as Light-keeper.....	100	00		
do .....	Paid for freight, clearing points above light, &c....	30	35		
L. C. Barney.....	Plate glass.....	24	44		
J. Bergin.....	Painting.....	6	00		
				160	79
<i>Deseronto.</i>					
The Rathbun Co.....	Taking charge of light, 1886-87.....			200	00
<i>Dorval.</i>					
Ben. Gloude.....	12 months salary as Light-keeper.....	\$ 296	25		
do .....	do superannuation tax.....	3	75	300	00
H. St. A. Ormond.....	Paid freight on anchors and repairs .....	4	20		
do .....	Inspecting.....	2	90		
T. Sonne.....	Rope, blocks, lanterns.....	18	51		
T. Chapman.....	David and outfit.....	5	95		
Jas. Walker & Co.....	Oil-can, brass-tap, etc.....	2	72		
M. J. Woodward & Co.....	46-63 gall. oil at 21½c .....	10	14		
do .....	Freight on oil.....	2	80		
				347	22
<i>False Ducks.</i>					
W. H. Lane.....	12 months salary as Light-keeper.....	350	00		
Wm. McRossie.....	Lumber.....	8	28		
G. B. Jones.....	20 gall. oil, at 35c., \$7; oil-cans, \$2.....	9	00		
W. H. Noble.....	Travelling expenses.....	5	50		
				372	78
<i>French River.</i>					
Ed. Borron, jun.....	12 months salary as Light-keeper.....	\$ 493	75		
do .....	do superannuation tax.....	6	25	500	00
do .....	Paid for plastering.....		45	45	00
				545	00
<i>Frenchman's Bay.</i>					
Thomas Moody.....	12 months salary as Light-keeper.....			100	00
<i>Fort Coulonge.</i>					
F. Bertrand.....	12 months salary as Lightkeeper.....	100	00		
O. S. Shaw & Co.....	20 gallons oil, at 25c, \$5; cans, \$2.....	7	00		
				107	00
<i>Fort William.</i>					
Charles Pennock.....	Salary from 1st June, 1885, to 24th March, 1886, as Light-keeper.....	162	90		
Wm. Newcombe.....	Salary from 1st May, 1886, to 30th June, 1887, as Light-keeper.....	233	33		
Graham, Howe & Co.....	Lumber.....	27	00		
W. S. Piper.....	Repairing lanterns.....	2	50		
				425	73
Carried forward.....				31,531	87

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

		\$	cts.	cts.
Brought forward.....				31,531 87
<i>Gananoque Narrows.</i>				
Joshua Legge.....	12 months salary as Light-keeper.....	480	00	
do .....	Hire of boat house, repairs, etc.....	12	25	
		-----		492 25
<i>Gibraltar Point.</i>				
George Durnan.....	12 months salary as Light-keeper.....	\$ 544	68	
do .....	do superannuation tax.....	5	31	
		-----		
Samuel Williams.....	4 months salary as Engineer.....	145	81	
George Durnan.....	Paid for carrying coal.....	10	00	
Carrier, Lainé & Co .....	Machinery for fog-alarm .....	8	00	
Elias Rogers & Co.....	4 tons coal, at \$6, \$24; hauling, \$1.60.....	25	60	
Conger Coal Co.....	Pine and cartage.....	7	50	
Rice, Lewis & Son .....	Wrench, lamp, chimneys.....	6	50	
		-----		753 40
<i>Gin Rock.</i>				
Wm. Baxter.....	12 months salary as Light-keeper.....	300	00	
do .....	Lumber, nails, hire of boat, etc.....	80	00	
		-----		380 00
<i>Glengarry.</i>				
Mrs. K. McLauchlin.....	12 months salary as Light-keeper.....	250	00	
H. J. Rockett.....	Stove.....	6	00	
L. C. Barney.....	Plate glass.....	17	87	
W. H. Noble .....	Travelling expenses.....	14	55	
		-----		288 42
<i>Goderich.</i>				
William Marlton.....	Salary as acting Light-keeper 1st to 19th April, 1886.....	21	11	
Robert Campbell.....	Salary as Light-keeper, 20th April 1886 to 30th June, 1887.....	478	89	
Wm. McDonald.....	On account repairs to breakwater.....	165	65	
		-----		665 65
<i>Gore Bay.</i>				
Robert Boyter .....	12 months salary as Light-keeper.....	\$ 345	63	
do .....	do superannuation tax.....	4	37	
		-----		
do .....	Repairing dock, etc.....	350	00	
		-----		80 79
		-----		430 79
<i>Gravenhurst.</i>				
David Schell.....	12 months salary as Light-keeper .....	100	00	
do .....	Clapboarding and painting .....	20	00	
J. F. Young .....	Repairing lantern, white lead and oil.....	9	95	
		-----		129 95
<i>Great Duck Island.</i>				
Wm. Purvis .....	12 months salary as Light-keeper.....	\$ 493	75	
do .....	do superannuation tax.....	6	25	
		-----		
do .....	Towards amount expended building boat-house . . .	500	00	
E. Chanteloup.....	Oil cups.....	60	00	
		-----		92 00
		-----		652 00
Carried forward.....				35,324 33

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

		\$	cts.	\$	cts.
Brought forward.....				35,324	33
<i>Green Shoal.</i>					
A. Laberge.....	12 months salary as Light-keeper.....	247	00		
do .....	do superannuation tax.....		3	250	00
<i>Grenadier Island.</i>					
A. Root.....	12 months salary as Light-keeper.....	\$246	88		
do .....	do superannuation tax.....		3	250	00
W. S. Burch.....	Skiff.....		40		
C. H. Hunt.....	Carpenter's repairs.....		10		
W. P. Daley.....	Lumber, nails, lime, etc.....		12	313	00
<i>Griffith's Island.</i>					
G. W. Patterson .....	12 months salary as Light-keeper.....	\$345	00		
do .....	do superannuation tax.....		5	350	00
do .....	Building breakwater, etc.....		51		
Receiver-General .....	Land .....		80	481	00
<i>Grosse Point.</i>					
Wm. Shannon .....	12 months salary as Light-keeper.....	\$429	69		
do .....	do superannuation tax.....		5	435	00
Geo. Shannon .....	do salary as Light-keeper.....	\$172	81		
do .....	do superannuation tax.....		2	175	00
Wm. Shannon .....	Inspecting building of piers.....		28		
John Corbett .....	do piers.....		9		
Louis Leduc.....	Balance contract for piers.....		399		
A. Clark.....	2 cords woods.....		8		
Louis Parent.....	Repairs to lantern.....		2	1,057	16
<i>Gull Island.</i>					
R. Roddick .....	12 months salary as Light-keeper.....	\$493	75		
do .....	do superannuation tax.....		6	500	00
do .....	Allowance, boat service, 1886.....		50		
J. A. Brown & Co.....	4½ tons coal, at \$5.75.....		25	575	85
<i>Hamilton's Island.</i>					
John Hamilton.....	12 months salary as Light-keeper.....		120		
N. Turner & Son.....	White lead, oil, nails, etc.....		43		
John McPherson.....	Repairs, scaffolding, etc.....		99		
Fenwick & Sclater.....	Canvas.....		3	266	05
<i>Head of Deschêne Rapids.</i>					
M. Murphy.....	10 months salary as Light-keeper.....		83		
T. Graham.....	2 do do.....		16		
M. Murphy.....	Cartage of soil.....		1	101	25
Carried forward.....				38,368	64

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

		\$ cts.	\$ cts.
Brought forward.....			38,368 64
<i>Hope Island.</i>			
Mrs. Charles Tizard.....	Salary to 16th June, 1887, as Acting Light-keeper..	432 50	
Allan Collins.....	do 17th June to 30th June, as do .....	17 50	
			450 00
<i>Isle of Coves.</i>			
George Currie.....	12 months salary as Light-keeper .....	\$687 00	
do .....	do superannuation tax.....	13 00	
do .....	Taking charge of fog-alarm, 15th July to 31st Dec., 1886.....	700 00	
do .....	Building dock.....	145 84	
do .....	do .....	100 00	
H. Rixon & Co.....	5 tons coal, \$18.75; freight, \$5.....	23 75	
do .....	16 cords wood .....	16 00	
W. H. Noble.....	Travelling expenses .....	76 93	
E. Chanteloup.....	Revolving apparatus .....	456 00	
Creighton Bros.....	217-50 galls. oil, at 28c., \$60 90; commission, \$1.82	62 72	
Str. "Wm. Alderson"...	Freight on oil and apparatus .....	19 25	
Redfern & Lepan.....	Glass, valves, etc.....	18 22	
			1,618 71
<i>Isle Perrot.</i>			
H. Robillard.....	12 months salary as Light-keeper.....		80 00
<i>Killarney.</i>			
P. R. de Lamorandière...	12 months salary as Light-keeper.....	\$395 00	
do .....	do superannuation tax .....	5 00	
do .....	Paid for repairs.....	400 00	
		10 20	410 20
<i>Kincardine.</i>			
William Kay.....	12 months salary as Light-keeper.....	\$345 63	
do .....	do superannuation tax .....	4 37	
do .....	Freight on wire rope, labour, etc.....	350 00	
Henry Plante.....	Painting pier.....	0 54	
George Kay.....	Lumber.....	9 00	
S. J. Greenhill.....	Nails, padlock, oil, etc.....	2 00	
George Sturgeon.....	Chimney top, etc.....	2 93	
H. T. Hurdon.....	3 cords wood.....	1 05	
Cooper, Fairman & Co...	3 cords wood.....	12 00	
T. Johnston.....	Wire rope.....	7 00	
James Wardrop.....	Hire of cutter.....	2 50	
Peter Flett.....	Lumber.....	98 05	
Neil Kay.....	Driving piles .....	33 25	
Angus Kerr.....	do .....	14 25	
Henry Gee.....	do .....	14 25	
Wm. Hume.....	do .....	28 00	
R. R. Kay.....	do .....	10 50	
J. Kitchen.....	do .....	3 75	
Wm. Morrison.....	do .....	1 50	
		0 75	591 32
<i>Lachine Pier.</i>			
Charles Leger.....	12 months salary as Light-keeper.....	\$197 50	
do .....	do superannuation tax .....	2 50	
		200 00	
Carried forward .....		200 00	41,518 87

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

		\$ cts.	\$ cts.
Brought forward .....		200 00	41,518 87
<i>Lachine Pier—Concluded.</i>			
H. St. A. Ormond.....	Inspecting .....	2 90	
E. Chanteloup.....	Replating reflectors. ....	6 25	
G. St. Onge .....	3 pairs oars .....	4 00	
B. Crevier.....	Stove, repairs, etc.....	13 50	
F. Laplante.....	Boat.....	30 00	
T. H. Hill .....	Sail, oars, etc.....	5 00	
			261 65
<i>Lake St. Louis Lightship No. 1.</i>			
Simon Meloche.....	12 months salary as Light-keeper.....	\$ 246 88	
do .....	do superannuation tax .....	3 12	
		250 00	
do .....	Allowance for fuel.....	8 00	
H. St. A. Ormond.....	Paid freight on anchor, repairs, etc.....	9 39	
Thomas Chapman.....	Repairing ladder, and storage .....	26 50	
A. Ramsay & Son.....	Glass .....	0 80	
B. Crevier.....	Repairs, etc .....	2 50	
		300 00	297 19
<i>Lake St. Louis Lightship No. 2.</i>			
J. Taillefer .....	12 months salary as Light-keeper... ..	\$296 25	
do .....	do superannuation tax.....	3 75	
		300 00	
do .....	Allowance for fuel.....	8 00	
H. St. A. Ormond.....	Paid freight on anchor, repairs, etc.....	9 39	
Thomas Sonne.....	Rope, blocks, marlin. ....	11 78	
A. Ramsay & Son.....	Glass .....	0 80	
T. Chapman.....	Repairs.....	47 50	
		475 00	377 47
<i>Lake St. Louis Lightship No. 3.</i>			
O. Veaudry. ....	12 months salary as Light-keeper.....	\$296 25	
do .....	do superannuation tax .....	3 75	
		300 00	
do .....	Allowance for fuel.....	8 00	
H. St. A. Ormond.....	Paid freight on anchor, repairs, etc.....	9 40	
A. Ramsay & Son.....	Glass .....	0 80	
B. Crevier.....	Stovepipe, wire, etc .....	3 56	
		321 76	
<i>Lamb Island.</i>			
W. T. Richards .....	12 months salary as Light-keeper.....	400 00	
do .....	Boat.....	40 00	
		440 00	
<i>Lancaster Bar.</i>			
G. H. Johnson.....	12 months salary as Light-keeper.....	321 88	
do .....	do superannuation tax.....	3 12	
		325 00	
<i>Lancaster Pier.</i>			
T. H. Hill .....	12 months salary as Light-keeper.....	\$320 94	
do .....	do superannuation tax.....	4 06	
		325 00	
John Meadows .....	Contract, rebuilding lighthouse, and extras. ....	1,067 13	
A. Cameron.....	Inspecting and boat hire.....	33 10	
John Meadows.....	3½ cords stone, at \$4.50.....	15 75	
J. A. Cameron.....	35 do 4.50.....	157 50	
		1,598 48	
Carried forward .....			45,140 42



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

		\$	cts.	\$	cts.
Brought forward .....				45,140	42
<i>Leamington.</i>					
F. H. C. Conover.....	12 months salary as Light-keeper.....	150	00		
do .....	Painting, etc .....	15	95		
				165	95
<i>Lindoe Island.</i>					
J. G. Wallace .....	12 months salary as Light-keeper .....	246	25		
do .....	do superannuation tax .....	3	75		
				250	00
<i>Little Current.</i>					
Donald McKenzie.....	12 months salary as Light-keeper.....	345	63		
do .....	do superannuation tax .....	4	37		
				350	00
<i>Lonely Island.</i>					
Jean Haitze .....	12 months salary as Light-keeper .....			450	00
<i>Long Point, East End.</i>					
H. H. Woodward .....	12 months salary as Light-keeper .....	464	24		
do .....	do superannuation tax .....	5	76		
				470	00
<i>Long Point, West End (Port Rowan).</i>					
W. E. Dickinson.....	12 months salary as Light-keeper.....	\$405	00		
do .....	do superannuation tax.....	5	00		
				410	00
Gordon & Baker.....	Bolts.....		2	00	
				412	00
<i>Lower Narrows.</i>					
J. L. Murphy.....	Clearing land .....			10	00
<i>L'Orignal.</i>					
R. G. Campbell .....	12 months salary as Light-keeper .....	100	00		
do .....	Paid for brooms, cartage, freight, etc. ....	11	98		
				111	98
<i>L'Yall Island.</i>					
John McKay .....	12 months salary as Light-keeper. ....	450	00		
do .....	Removal of property .....	150	00		
				600	00
<i>Manitoba Lightship.</i>					
Wm. Hughes.....	Taking charge for season 1886.....	290	00		
North-West Navigation Co .....	Towing and placing .....	100	00		
Robt. Bullock .....	Rope, pipes, coal oil.....	20	63		
				410	63
Carried forward.....				48,370	98

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

		\$	cts	\$	cts.
Brought forward .....				48,370	98
<i>Manitoulin.</i>					
Wm. Cullis.....	12 months salary as Light-keeper.....	\$694	37		
do .....	do superannuation tax.....		5 63		
				700	00
do .....	Hinges, lock, lumber, freight, etc.....			17	90
Carrier, Laine & Co .....	Steam gauges, circular grate, etc .....			18	00
				735	90
<i>Manitowaning.</i>					
Benjamin Jones.....	12 months salary as Light-keeper .....			150	00
<i>Meaford.</i>					
Samuel Dutcher .....	12 months salary as Light-keeper .....		150	00	
do .....	Paid freight on glassware.....		0 69		
James Cleland .....	Repairing two oil tanks .....		2 00		
				152	69
<i>Michel's Point.</i>					
J. W. Chisholm.....	12 months salary as Lightkeeper .....			250	00
<i>Michipicoten Island.</i>					
H. Davieau .....	12 months salary as Light-keeper.....		394	37	
do .....	do superannuation tax.....		5 63		
				400	00
<i>Middle Island.</i>					
H. C. Stewart .....	12½ months salary as Light-keeper.....			159	17
<i>Mississauga Island.</i>					
Neil McDonald .....	12 months salary as Light-keeper.....		300	00	
do .....	Paid masons work, lime, etc.....		51 65		
				351	65
<i>Mohawke Island.</i>					
R. H. Smithers .....	12 months salary as Light-keeper .....		405	00	
do .....	do superannuation tax.....		5 00		
				410	00
<i>Morrison's Island.</i>					
John Tario .....	12 months salary as Light-keeper.....			100	00
<i>McKie's Point.</i>					
Alex. McDonald.....	12 months salary as Light-keeper .....			175	00
<i>McKillop's Point.</i>					
Damase Caza .....	12 months salary as Light-keeper.....		115	00	
M. Stalker.....	Painting.....		10	00	
				125	00
Carried forward.....				51,365	39

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

		\$	cts.	\$	cts.
Brought forward .....				51,365	39
<i>McTavish Point.</i>					
Joseph Geegan .....	12 months salary as Light-keeper .....		100 00		
John Corbett .....	Paid for repairs .....		154 40		
N. Campbell .....	Drawing stone for pier .....		55 62		
Owen Bros .....	Lumber and hardware .....		54 82		
				364	84
<i>McQuestin's Wharf.</i>					
Mrs. Maria McQuestin...	12 months salary as Light-keeper .....			100	00
<i>Muskoka or Fox Island.</i>					
Henry Darke .....	12 months salary as Light-keeper .....		250 00		
do .....	Fuel .....		25 00		
S. C. Webster .....	Hauling plank .....		2 00		
W. S. Ramsay & Co. ....	Lumber .....		1 32		
				278	32
<i>Niagara Fog Bell.</i>					
James Dorrity .....	Enclosing building with shutters.. ..		18 75		
John Sando .....	Salary, 1st July, 1886, to 30th June, 1887 .....		50 00		
				68	75
<i>Nine Mile Point.</i>					
Albert Dunlop .....	12 months salary as Light-keeper .....	\$395	63		
do .....	do superannuation tax .....		4 37		
				400	00
A. Larush .....	30 days repairing Light .....		60 00		
Oldrieve & Horn .....	Rent of blocks and for lead .....		4 00		
W. McRossie .....	Shingles, etc .....		19 85		
				483	85
<i>North Sister Rock.</i>					
W. Weightman .....	12 months salary as Light-keeper .....		350 00		
do .....	Boat .....		50 00		
Bruce Land & Mining Co	Freight on chimneys .....		0 94		
				400	94
<i>Nottawasaga.</i>					
George Collins .....	12 months salary as Light-keeper .....	\$588	00		
do .....	do superannuation tax .....		12 00		
				600	00
J. Henderson .....	Manilla rope .....		1 20		
Toner & Gregory .....	3 cords wood .....		16 29		
W. R. Andersons & Co .	Galvanized iron coping .....		12 00		
P. Doherty .....	Making sails .....		7 00		
Evison & Fyfe .....	Rope, blocks, etc .....		11 07		
Collingwood Dry Dock Co. ....	Repairing pulleys .....		4 00		
				651	56
<i>Oakville Pier.</i>					
R. K. Chisholm .....	12 months salary as Light-keeper .....		197 50		
do .....	do superannuation tax .....		2 50		
				200	00
Carried forward .....				52,928	65

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

		\$	cts.	\$	cts.
Brought forward.....				53,928	65
<i>Owen Sound (Presqu'Isle).</i>					
John McKenzie.....	12 months salary as Light-keeper.....			100	00
<i>Owen Sound.</i>					
G. J. Miller.....	12 months salary as Light-keeper.....	\$148	13		
do .....	do superannuation tax .....		1 87		
			150 00		
do .....	Repairing and moving boathouse, etc.....		29 07		
				179	07
<i>Pelée Island.</i>					
James Cummins .....	12 months salary as Light-keeper.....		435 00		
W. H. Noble.....	On account of repairs .....		50 00		
				485	00
<i>Penetanguishene.</i>					
W. A. Thompson.....	12 months salary as Light-keeper.....		150 00		
W. T. Richards.....	Repairs to Light.....		81 07		
N. Dubeau.....	Timber.....		45 00		
				276	07
<i>Pigeon Island.</i>					
Richard Davis.....	12 months salary as Light-keeper.....		300 00		
do .....	Fuel and repairs .....		21 25		
				321	25
<i>Pointe aux Anglais</i>					
Ed. Charlebois.....	12 months salary as Light-keeper.....		197 50		
do .....	do superannuation tax .....		2 50		
				200	00
<i>Point à Cadieux.</i>					
Felix Valois.....	12 months salary as Light-keeper.....	\$197	50		
do .....	do superannuation tax.....		2 50		
			200 00		
do .....	Nails, boards, etc.....		2 98		
O. S. Shaw & Co.....	15 gallons oil, at 25c., \$3.75; 3 oil cans, \$3.75.....		7 50		
				210	48
<i>Point aux Pins.</i>					
Henry Wood.....	12 months salary as Light-keeper.....			200	00
<i>Point Claire Lightship, No. 1.</i>					
M. Leclerc.....	12 months salary as Light-keeper.....		296 25		
do .....	do superannuation tax.....		3 75		
				300	00
<i>Point Clark.</i>					
John Rae.....	12 months salary as Light-keeper.....		400 00		
do .....	Paid for glazing.....		33 50		
Asa Palmer.....	Pump.....		8 00		
George Sturgeon.....	50 gallons oil, at 28c. ....		14 00		
				455	50
Carried forward.....				56,656	02

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

		\$	cts.	\$	cts.
		Brought forward .....		56,656 02	
<i>Point Pelée Reef.</i>					
W. A. Grubb.....	12 months salary as Light-keeper.....	\$493	75		
do .....	do superannuation tax.....	6	25		
do .....	Paid for ladder, lumber and boat hire.....		500 00		
A. Foster. ....	Stove pipe and weather vane.....		25 75		
			5 50	531 25	
<i>Point Peter.</i>					
J. Burlingham.....	12 months salary as Light-keeper.....	\$395	00		
do .....	do superannuation tax.....	5	00		
do .....	Timber, iron work, etc .....		400 00		
J. J. Bougard.....	Boat and equipment .....		21 30		
The Rathburn Co.....	Lumber .....		35 00		
John Richards.....	do hire of team.....		11 00		
			21 52	488 82	
<i>Point Pleasant.</i>					
John Prinyer .....	12 months salary as Light-keeper.....	\$296	25		
do .....	do superannuation tax .....	3	75		
do .....	Boarding painter, 21 days, at 75c.....		300 00		
W. Harrison.....	Painting.....		15 75		
Geo. Newlands .....	Labor, cement, freight.....		30 62		
			27 40	373 77	
<i>Porphyry Point.</i>					
Andrew Dick.....	12 months salary as Light-keeper.....	395	00		
do .....	do superannuation tax .....	5	00		
				400 00	
<i>Port Burwell.</i>					
Wm. Sutherland .....	12 months salary as Light-keeper.....				225 00
<i>Port Colborne.</i>					
D. H. A. Fortier.....	12 months salary as Light-keeper.....	\$495	00		
do .....	do superannuation tax.....	5	00		
do .....	Paid for lumber, painting, etc.....		500 00		
Dickinson & Suess.....	Repairs to dwelling.....		5 00		
S. Burrow.....	Cleaning well, fixing smokestack, lamps, etc.....		30 00		
D. Gibbon & Co.....	Wood and hauling elevated walk.....		40 20		
G. S. Fortier.....	24 days assisting keeper.....		33 00		
D. W. McCann.....	Moving range light.....		20 40		
			100 00	728 60	
<i>Port Credit.</i>					
A. Blakely.....	12 months salary as Light-keeper .....		150 00		
do .....	Paid for repairs.....		150 00		
				300 00	
<i>Port Dalhousie.</i>					
David Hunter.....	12 months salary as Light-keeper.....	\$345	63		
do .....	do superannuation tax .....	4	37		
Carried forward....		350	00	59,703 46	

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

		\$	cts.	\$	cts.
Brought forward .....		350	00	59,703	46
<i>Port Dalhousie—Continued.</i>					
David Hunter .....	Paid for lumber, glass, etc .....	6	72		
W. E. Brooks .....	Scraping and painting light, etc .....	30	00		
Paul Smith .....	Stove-pipe, etc .....	1	70		
				388	42
<i>Port Dover.</i>					
Henry Morgan .....	12 months salary as Light-keeper .....	\$256	75		
do .....	do superannuation tax .....	3	25		
		260	00		
do .....	Paid for repairing damage done by storm .....	67	12		
S. J. Gamble .....	Painting .....	10	00		
H. W. Ansley .....	12 gallons oil, at 55c .....	6	60		
M. J. Woodward & Co ..	64-96 do 20½c., \$13.32; freight \$2.05 .....	15	37		
				359	09
<i>Port Maitland.</i>					
Fergus Schofield .....	12 months salary as Light-keeper .....	\$345	63		
do .....	do superannuation tax .....	4	37		
		350	00		
Thomas Schofield .....	Bolts, ironwork, etc .....	28	35		
James Rolston .....	Lime rope, etc .....	42	20		
Wm. Brennan .....	Boat hire, etc .....	45	00		
John Steel .....	Repairs to roof .....	25	00		
				490	55
<i>Port Stanley.</i>					
Charles Ead .....	12 months salary as Light-keeper .....	296	25		
do .....	do superannuation tax .....	3	75		
				300	00
<i>Presqu' Isle (Main Light.)</i>					
W. H. Sherwood .....	12 months salary as Light-keeper .....	\$370	31		
do .....	do superannuation tax .....	4	69		
		375	00		
G. B. Simpson .....	Material and work on scow .....	33	68		
				408	68
<i>Prince Arthur's Landing.</i>					
John Cooper .....	12 months salary as Light keeper .....	250	75		
do .....	Paid for painting, freight, etc .....	10	35		
Wells & Dawson .....	Stove-pipe, etc .....	3	95		
Woodside Bros .....	Sheet-iron .....	7	75		
Steamer "City of Owen Sound" .....	Carriage of boat .....	15	25		
Nigars Bros .....	Lumber, erecting mast, etc .....	133	14		
Wm. Watts & Son .....	Boat and equipment .....	40	00		
Thomas Marks & Co .....	Lock .....	2	00		
Jas. Ross .....	Labour at repairs and moving .....	96	00		
F. Mc Colly .....	do do .....	19	00		
J. Montgomery .....	do do .....	5	00		
O'Meara Bros .....	900 lbs. spikes .....	63	00		
John Merrill .....	Labour with team, 5½ days .....	27	50		
Geo. Moorhouse .....	do 20½ do .....	35	87		
Geo. Jackson .....	do 10 do .....	17	50		
D. Squires .....	do 2½ do .....	12	50		
N. Stewart .....	do 18 do .....	90	00		
Wm. Murdoch .....	Superintending removal of light .....	50	00		
				879	56
Carried forward .....				62,529	76

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

		\$ cts.	\$ cts.
Brought forward.....			62,529 76
<i>Rainy River.</i>			
M. Morriseau.....	13 months salary as Light-keeper.....	108 33	
Keewatin Lumber & Mfg. Co.....	Coal oil, barrels, cans, etc. ....	21 75	130 08
<i>Range Lights and Buoys (Presqu' Isle.)</i>			
G. B. Simpson.....	12 months salary as Light-keeper.....	\$469 06	
do .....	do superannuation tax.....	5 94	
do .....	Moving boat-house.....	475 00	
John Gunyo.....	Plank.....	30 00	
Henry Lewis.....	Timber.....	2 52	
Eli Simpson.....	24 days work at saw.....	4 20	
L. Taylor.....	4 days caulking.....	42 88	
A. A. Marsh.....	Bolts, etc. ....	8 00	
Nesbitt Bros.....	do spikes, nails, rope, blocks.....	8 65	
Rice, Lewis & Son.....	Oil, valves, step-ladder, etc.....	25 28	
		18 90	615 43
<i>Red Rock (Parry Sound.)</i>			
A. A. Lawson.....	12 months salary as Light-keeper.....	\$444 37	
do .....	do superannuation tax.....	5 63	
J. E. Galna.....	Freight on sheaves.....	450 00	
		4 40	454 40
<i>River Thames.</i>			
H. J. Cartier.....	12 months salary as Light-keeper.....	425 00	
John Corbett.....	On account repairs.....	100 00	
S. Hadley.....	Fencing, cedar posts, etc.....	40 00	
do .....	Lumber.....	322 00	
E. J. Gibb.....	Repairs.....	242 80	
R. Morton & Co.....	Spikes, rope, etc.....	25 03	
Ridgetown "Standard".....	Advertising for tenders.....	2 70	
"Herald and Record".....	do .....	2 16	
Tilbury Centre "Times".....	do .....	2 70	
Blenheim "News".....	do .....	2 16	
"Western Clarion".....	do .....	3 81	
"Times" Printing Co., Dresden.....	do .....	2 70	
			1,271 06
<i>Rondeau.</i>			
Thos. Harrison.....	12 months salary as Light-keeper.....	\$395 00	
do .....	do superannuation tax.....	5 00	
Laing & Watson.....	Safety tubes.....	400 00	
		3 20	403 20
<i>Ste. Anne Bout de l'Ile (Caron's Point).</i>			
Antoine Caron.....	12 months salary as Light-keeper.....	60 00	
do .....	Oil, freight and cartage.....	4 60	
			64 60
<i>Ste. Anne Bout de l'Ile, No. 2.</i>			
T. de Repentigny.....	12 months salary as Light-keeper.....	100 00	
do .....	Hire of boat, season 1886.....	25 00	
			125 00
Carried forward.....			65,503 53

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

		\$	cts.	\$	cts.
	Brought forward.....			65,503	53
	<i>Ste. Placide.</i>				
Charles Gauthier.....	12 months salary as Light-keeper.....			100	00
	<i>Salmon Point.</i>				
Lewis Hudgins.....	12 months salary as Light-keeper.....	\$296	25		
do .....	do superannuation tax.....	3	75		
do .....	Placing gravel in breakwater.....		300	00	
Peter Huff.....	Stone, and drawing same.....		6	00	
P. Hicks.....	Horse hire.....		64	00	
D. Rychman.....	Oars.....		8	00	
			2	50	
				380	50
	<i>Saugeen.</i>				
M. McLeod.....	12 months salary as Light-keeper.....		80	00	
do .....	Repairs to boat, etc.....		13	75	
Irwin Rusk.....	do lantern.....		0	75	
				94	50
	<i>Scotch Bonnet.</i>				
Robert Pye.....	12 months salary as Light-keeper.....	\$395	00		
do .....	do superannuation tax.....	5	00		
do .....	2 cords wood.....		400	00	
			7	00	
				407	00
	<i>Shoal Point.</i>				
E. E. Rains.....	12 months salary as Light-keeper.....		250	00	
do .....	Taking charge of light from 1st to 25th Aug., 1886.		16	80	
do .....	Boat, \$32; lumber, nails and repairs, \$59.55.....		91	55	
				358	35
	<i>Snake Island.</i>				
N. T. Orr.....	12 months salary as Light-keeper.....	\$489	69		
do .....	do superannuation tax.....	5	31		
R. M. Horsey.....	Repairing chimney, etc.....		495	00	
			32	70	
				527	70
	<i>Southampton.</i>				
John Lee.....	12 months salary as Light-keeper.....		150	00	
do .....	Lumber, nails, labour.....		21	80	
				171	80
	<i>South Bay Point.</i>				
Daniel McIntosh.....	12 months salary as Light-keeper.....		197	50	
do .....	do superannuation tax.....		2	50	
				200	00
	<i>Spanish River.</i>				
Peter Assinawie.....	Salary from 27th April, 1886, to 3rd December, 1886, as keeper.....		216	91	
do .....	Boat, \$39, hire of boat lifting light, \$12.50.....		51	50	
Spanish River Lumber Co	Lumber, oil, wick, etc.....		29	20	
				297	61
	Carried forward.....			68,030	99



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

		\$	cts.	\$	cts.
	Brought forward .....			68,030	99
	<i>Spectacle Shoal.</i>				
Wm. Jackson.....	12 months salary as Light-keeper.....	\$395	00		
do .....	do superannuation tax.....	5	00		
do .....	Allowance for fuel and boat hire, 2 years.....		400	00	
The Rathbun Co. ....	Lumber.....		36	73	
E. H. Ellis .....	Nails, etc.....		2	90	
Henry Kidd.....	Work at dwelling house.....		22	00	
John Turcot .....	Scowing lumber.....		2	00	
				503	63
	<i>Strawberry Island.</i>				
Wm. McKenzie.....	12 months salary as Light-keeper.....			300	00
	<i>Sulphur Island.</i>				
Wm. Shepherd.....	12 months salary as Light-keeper.....		321	25	
do .....	do superannuation tax.....		3	75	
				325	00
	<i>Swampy Island.</i>				
H. E. Plunkett.....	12 months salary as Light-keeper.....		350	00	
N. W. Navigation Co ...	Freight on coal oil, lime and lumber.....		34	71	
Reid, Clark & Co.....	do hair, etc.....		1	50	
Merrick, Anderson & Co.	Lumber, hair, nails, etc.....		47	10	
H. E. Plunkett .....	Building wharf, plastering, etc.....		50	50	
				483	81
	<i>Telegraph Island.</i>				
John Mason .....	12 months salary as Light-keeper.....	\$197	50		
do .....	do superannuation tax.....	2	50		
do .....	Building boathouse.....		200	00	
H. S. Cronk .....	Freight and wharfage on supplies.....		42	00	
			5	20	
				247	20
	<i>Thornbury.</i>				
Robert Lowe.....	Salary, 18th May, to 30th June, 1887.....			7	26
	<i>Thunder Cape.</i>				
S. B. Richmond.....	12 months salary as Light-keeper.....		500	00	
do .....	Sinking well, tools, freight, glass, oil, etc.....		46	45	
do .....	On account 80 cords wood.....		150	00	
Geo. Dawson .....	49 tons coal, at \$3.25, \$1.30; filling bags, \$26.30....		156	30	
Carrier, Laine & Co.....	Machinery for fog alarm.....		61	00	
do .....	Steel tongues.....		15	00	
J. B. Fairgrieve.....	Delivering coal.....		50	00	
E. Brooks .....	Putting on canvas, painting.....		30	05	
Woodside Bros. ....	Steel tongues, etc.....		11	85	
T. Marks & Co.....	Hose, pipes, etc.....		46	60	
				1,067	85
	<i>Tobermorey.</i>				
A. Davis.....	12 months salary as Light-keeper.....		100	00	
do .....	Lumber.....		26	26	
Receiver General.....	Land for site of light.....		18	00	
H. Rixon & Co.....	Timber.....		12	00	
				156	26
	Carried forward.....			71,123	00

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

		\$	cts.	\$	cts.
Brought forward .....				71,123	00
<i>Way Shoal.</i>					
A. Mongeon .....	12 months salary as Light-keeper .....			100	00
<i>Weller's Bay.</i>					
Reuben Young .....	12 months salary as Light-keeper .....	\$148	13		
do .....	do superannuation tax .....		1 87		
			150 00		
G. A. White .....	Glass and putty .....		1 10		
				151	10
<i>Whisky Island.</i>					
W. A. Thompson .....	12 months salary as Light-keeper .....			150	00
<i>Wilson's Channel.</i>					
A. Brownlee .....	12 months salary as Light-keeper .....		250 00		
John Morton .....	Hire of boat .....		7 00		
J. Richards .....	Oil-can, rope, etc .....		4 75		
Geo. Marks & Co. ....	Boat .....		45 00		
				306	75
<i>Windmill Point.</i>					
W. S. Plumb .....	12 months salary as Light keeper .....		150 00		
E. Dufrau .....	Boat .....		30 00		
				180	00
<i>Wolfe Island.</i>					
Wm. Gillespie .....	12 months salary as Light-keeper .....		250 00		
do .....	Sinking well .....		30 00		
R. Davis .....	Building boat slide .....		40 88		
The Rathbun Co. ....	Lumber .....		34 44		
G. E. & Ranous .....	Labour as carpenter 6½ days .....		9 75		
McMahon Bros. ....	Nails .....		1 58		
				366	63
<i>Victoria Island.</i>					
F. Levan .....	12 months salary as Light-keeper .....		100 00		
do .....	Freight on oil. ....		2 96		
				102	96
<i>Victoria Island (Lake Superior).</i>					
A. Debakanong .....	12 months salary as Light-keeper .....			150	00
BUOYS AND BEACONS.					
A. Lockerbie .....	Repairing and placing, Collingwood .....	\$174	50		
Tug "Hiawatha" .....	Lifting and placing do .....		55 00		
			229 50		
Capt. D. Macfarlane .....	Am't. of contract placing Harbour and Ship Channel		262 50		
Gilmour & Co .....	Replacing Traitor Harbour .....		13 00		
Daniel Brown .....	Boat, Bois Blanc .....	\$200	00		
A. Resume .....	Spar buoys do .....		111 00		
H. A. Hackett .....	Lifting do .....		10 00		
W. Callum .....	do do .....		10 00		
			331 00		
Carried forward .....			838 00	72,629	44

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

		\$	cts.	\$	cts.
		Brought forward .....		836	00
H. A. Hackett.....	Placing Bar Point.....	\$	1 50		
W. McMullen.....	do do .....		1 50		
And. Hackett.....	Replacing do .....		9 00		
				12	00
Perry Bros.....	Iron band, etc., Burlington Beach .....	\$	1 75		
J. N. Ogg .....	Buoy do .....		2 00		
Wood & Leggatt.....	Chain do .....		1 94		
Thos. Campbell.....	Taking up do .....		6 00		
				11	69
Jos. Genier.....	Attending buoys, Lake St Louis.....	\$175	00		
S. St. Denis .....	Balance, placing, etc. do .....	200	00		
do .....	On account do .....	250	00		
				625	00
T. Fitzgerald .....	Supplying and placing 7 spar buoys, Bay of Quinté .....		70	00	
W. W. Grant.....	Contract, 1 year to 8th Aug., 1887 do .....		100	00	
A. Laberge.....	Making and placing, etc., Green Shoal .....		42	00	
E. Polkinghorn.....	Making buoys, Midland .....		105	00	
D. Girard .....	Repairing, Detroit River .....	\$	2 00		
W. Menzies.....	Replacing do .....		3 00		
J. D. Burke .....	Rope do .....		6 90		
J. A. Wright .....	Timber do .....		2 47		
Wm. Callum .....	Placing do .....		3 75		
H. A. Hackett .....	do do .....		3 00		
Wm. McMullen .....	do do .....		3 75		
				24	87
John Matthewson.....	Lifting and replacing, Snake Island .....		14	00	
R. M. Harvey & Co.....	Chains, bolts, etc .....		4	65	
Wm. Brown .....	Balance, lifting, etc., St. Mary's River, Neebish and St. Joseph Channels .....		130	00	
J. W. Darling .....	Lifting and placing, Bernard Rock, Dawson's Rock, and Bad Neighbour Shoal .....		100	00	
do .....	Lifting and placing, Jackson, Surprise and Stag Shoal, Stag's Point and Mary Ward Shoal .....		160	00	
W. M. Alderson.....	Making and placing, Port Rowan .....	\$10	00		
J. Becker .....	Attending to do .....	90	00		
				100	00
A. A. March.....	Plate, band, ring, etc., Presqu' Isle .....	\$10	40		
T. Fitzgerald .....	Contract, season 1896 do .....	50	00		
J. R. Flagler .....	Oars and chain do .....	6	48		
H. Simpson.....	Drilling anchors do .....	12	00		
				78	88
F. Gaudaur .....	Placing bushes, Narrows Channel .....		7	50	
Wm. Brown .....	Contract, 1886-87, Sault Ste Marie.....		250	00	
George Gollins.....	Service, past 7 years, Georgian Bay.....		100	00	
Wm. Jackson .....	do to 30th June, 1886, Spectacle Shoal .....		60	00	
J. G. Wallace .....	Placing, Fiddler's Elbow .....		25	26	
E. Leger .....	Eye-bolt key, Grosse Point .....	\$	1 90		
W. Shannon .....	Hire of scow, cedar, Grosse Point.....	21	25		
				23	15
J. Legge .....	Season 1886, Gananoque Narrows.....		14	50	
P. Doherty.....	Putting up beacon, Gull Rock.....		56	00	
"The Shareholder" .....	Advertising for tenders, general account .....	\$	2 80		
"Gazette" Printing Co. ....	do do .....	2	80		
"La Minerve" .....	do do .....	2	80		
"Le Monde" .....	do do .....	2	80		
"The Star" .....	do do .....	2	80		
				14	00
				2,964	50
				75,693	94
Queen's Printer.....	Printing, etc.....		20	80	
				75,714	74
				24	00
				75,690	74

F. GOURDEAU,  
Accountant.

WM. SMITH,  
Deputy Minister of Marine.

## APPENDIX No. 3

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Cape Race Light, for the Fiscal Year ended 30th June, 1887.

		\$	cts.	\$	cts.
P. Myrick .....	9 months salary to 31st March, 1887.....	450	00		
M. F. Halley.....	6 do to 31st December, 1886.....	280	00		
J. H. Sims .....	6 do do .....	180	00		
M. Cantwell.....	6 do do .....	180	00		
Merchants' Bank.....	Commission on drafts.....	5	45		
Archibald & Co.....	149 tons coal, at \$1.60 .....	238	40		
do .....	124 do at \$7.10 .....	880	40		
William Smith.....	Travelling expenses.....	181	80		
J. T. Neville.....	Paid disbursements, 149 tons coal, etc .....	1,556	25		
Terra Nova Foundry .....	For labor, steamstack, etc.....	495	69		
Wm. Stairs, Son & Mor- row.....	Ensign, halyard and freight.....	5	26		
					\$4,453 25

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU.  
*Accountant.*

## APPENDIX No. 4

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights between Montreal and Quebec, for the Fiscal Year ended 30th June, 1887.

		<i>Ash and Bloody Islands.</i>	\$ cts.	\$ cts.
J. W. Hammond .....	12 months salary as Keeper .....	\$197 48		
do .....	do superannuation tax .....	2 52		
do .....	Fuel, \$10; boat, \$30 .....		200 00	
do .....	Ventilator, fence, oil, etc .....		40 00	
P. Jobin .....	Travelling expenses .....		11 25	
O. Gourdeau .....	do and repairs .....		9 50	
L. R. Demers .....	do .....		108 83	
R. H. Whitman .....	Inspecting and freight .....		13 50	
W. C. Scott .....	Freight .....		20 00	
			2 55	
				405 63
<i>Batiscan.</i>				
L. Fugère .....	12 months salary as Keeper .....		80 00	
J. Marchand .....	do do .....		80 00	
do .....	Ground rent .....		6 00	
L. Fugère .....	do .....		6 00	
do .....	Repairs to roof .....		7 00	
L. Bergeron .....	Repairs to tower .....		120 00	
				299 00
<i>Cap à la Roche.</i>				
P. Fradette & Son .....	Hire of schooner for a light .....		875 00	
A. E. Vallerand .....	Lantern and wick .....		2 05	
				877 05
<i>Cape Charles.</i>				
N. Boisvert .....	12 months salary as Keeper .....	\$148 12		
do .....	do superannuation tax .....	1 88		
do .....	Ground rent .....		150 00	
do .....	Ground rent .....		10 00	
do .....	Cutting trees .....		23 00	
F. Turgeon .....	Travelling expenses .....		9 00	
				192 00
<i>Cape Magdalen.</i>				
Paul Manuel .....	12 months salary as Keeper .....		100 00	
Ant. Montplaisir .....	do do .....		175 00	
do .....	Ground rent .....		12 00	
Beaudet & Chinic. ....	Paint .....		1 75	
				289 75
<i>Champlain.</i>				
Nap. Hardy .....	12 months salary as Keeper .....		130 00	
do .....	Painting .....		20 25	
F. Martineau .....	Ground rent .....		12 00	
Beaudet & Chinic. ....	Paint brushes .....		1 14	
				163 39
	Carried forward .....			2,225 82

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

		\$	cts.	\$	cts.
Brought forward .....				2,225	82
<i>Contreecar.</i>					
Avilas Gervais .....	12 months salary as Keeper .....	100	00		
Thos. St. Onge .....	do do .....	75	00		
P. Jobin .....	Repairs .....	87	76		
Beaudet & Chiniac .....	Paint brushes and nails .....	1	64		
F. Gunn .....	Rope and blocks .....	18	90		
				293	30
<i>Grondines.</i>					
L. Boisvert .....	12 months salary as Keeper .....	100	00		
Widow J. Trottier .....	do do .....	100	00		
do .....	Fuel, \$4; painting, \$6 .....	10	00		
do .....	Postage and freight .....	2	42		
L. Boisvert .....	Painting, \$7; fuel, \$4 .....	11	00		
J. Bedard .....	Swing heads, pipes, etc .....	7	00		
A. E. Vallerand .....	Chimneys .....	2	05		
				232	47
<i>Isle à la Bague.</i>					
O. Mercier .....	12 months salary as Keeper .....	\$148	12		
do .....	do superannuation tax .....	1	88		
				150	00
do .....	Boat \$35; painting, \$3 .....	33	00		
do .....	Iron for pier .....	22	48		
				210	48
<i>Isle de Grâce.</i>					
Ed. Paul .....	12 months salary as Keeper .....	240	00		
do .....	Taking down and putting up tower .....	45	00		
				285	00
<i>Isle à la Pierre.</i>					
Wm. Matte .....	12 months salary as Keeper .....	220	00		
do .....	Fuel, \$10, canoe, \$4 .....	14	00		
Garceau, Fils et Cie .....	Repairs .....	22	40		
L. T. Trempe .....	do .....	6	64		
E. Portelance .....	Row locks .....	4	10		
				267	14
<i>Isle aux Prunes.</i>					
D. Robert .....	12 months salary as Keeper .....	120	00		
do .....	Fuel .....	8	00		
do .....	Putting up and taking down tower .....	40	00		
do .....	Clearing ice and repairs .....	20	21		
				188	21
<i>Isle aux Raisins.</i>					
Theo. Verville .....	12 months salary as Keeper .....	240	00		
do .....	Fuel .....	12	00		
do .....	Putting up and taking down tower .....	30	00		
J. Sullivan .....	Davits .....	23	40		
Desjardins & Payan .....	Painting .....	55	00		
				360	40
<i>Isle Ste. Thérèse.</i>					
Sam. Reeves .....	12 months salary as Keeper .....	\$250	16		
do .....	do superannuation tax .....	3	16		
				253	32
Carried forward .....		253	32	4,062	82

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

		\$	cts.	\$	cts.
	Brought forward.....	253	32	4,052	82
<i>Ile St. Thérèse—Continued.</i>					
Theo. Brodeur.....	12 months salary as Keeper.....	144	00		
J. Sheridan.....	Repairs.....	185	00		
J. Sullivan.....	Davits.....	23	40		
H. St. A. Ormond.....	Travelling expenses.....	43	85		
S. Reeves.....	Putting up and taking down towers.....	25	00		
Alf. Reeves.....	Ground rent.....	10	00		
				684	57
<i>Lacolle.</i>					
R. H. Whitman.....	12 months salary as Keeper.....	149	53		
do.....	Boat, \$30; boat hire, \$11.....	41	00		
do.....	Refund for superannuation tax.....	5	88		
do.....	Covering roof with tin.....	26	50		
P. Jobin.....	Travelling expenses.....	8	25		
A. E. Valleraud.....	Lamp and wicks.....	5	20		
Canadian Express Co.....	Freight.....	1	05		
				237	41
<i>Lavaltrie.</i>					
D. Giguère.....	12 months salary as Keeper.....	\$296	24		
do.....	do superannuation tax.....	3	76		
				300	00
do.....	Fuel.....	20	00		
do.....	Putting up and taking down tower.....	80	00		
do.....	Repairing tower.....	45	00		
P. Jobin.....	Travelling expenses.....	17	10		
O. Henvieux.....	Ground rent.....	30	00		
E. Chanteloup.....	Repairing reflector.....	19	00		
Beaudet & Chinic.....	Paint brushes.....	1	14		
				512	24
<i>Lake Memphremagog.</i>					
D. E. Peters.....	Salary, Witch Rocks.....	72	50		
A. Hardy.....	do Green Point.....	42	86		
J. O. Patterson.....	do Woodleigh.....	42	86		
O. Gardner.....	do Lead Mines.....	39	00		
Rufus Ayer.....	do Georgeville.....	12	00		
Alex. Molson.....	do Molson's Island.....	28	07		
C. A. McPherson.....	do Georgeville.....	27	85		
D. E. Peters.....	Replacing lights and freight.....	52	22		
				317	36
<i>Lightship No. 1.</i>					
A. Auger.....	6 months salary as Keeper.....	\$248	12		
do.....	do superannuation tax.....	1	88		
				250	00
D. Lafèche.....	3 do salary.....	100	00		
P. Bellefeuille.....	Wharfage, outfit and repairs.....	199	55		
do.....	6 cords wood.....	36	00		
M. McNaughton.....	Towage.....	25	00		
F. Gunn.....	Rope.....	20	50		
L. T. Trempe.....	Repairs.....	50	65		
Garceau, Fils et Cie.....	do.....	97	05		
E. Portelance.....	do.....	27	51		
Beaudet & Chinic.....	Glass.....	22	69		
P. P. Pouliot.....	Boat.....	64	50		
				806	15
	Carried forward.....			6,610	55

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

		\$	cts.	\$	cts.
	Brought forward.....			6,610	55
	<i>Lightship No 2.</i>				
Hector Fiset.....	12 months salary as Keeper.....	\$496	24		
do .....	do superannuation tax.....		3 76		
P. Bellefeuille.....	Wharfage, outfit and repairs.....			500	00
do .....	6 cords wood.....			165	70
Beaudet & Chinic.....	Glass and paint brushes.....			36	00
L. T. Trempe.....	Repairs.....			25	14
F. Gunn.....	Rope.....			51	94
M. McNaughton.....	Towage.....			20	25
E. Portelance.....	Row locks, etc.....			25	00
Garceau, Fils et Cie.....	Repairs.....			17	54
				7	95
					849 52
	<i>Lightship No. 3.</i>				
Amédée Magnan.....	12 months salary as Keeper.....	\$496	24		
do .....	do superannuation tax.....		3 76		
P. Bellefeuille.....	Wharfage, outfit and repairs.....			500	00
do .....	6 cords wood, \$3.....			208	53
Beaudet & Chinic.....	Glass and paint brushes.....			36	00
M. McNaughton.....	Towage.....			40	91
L. T. Trempe.....	Repairs.....			155	00
Garceau, Fils et Cie.....	do .....			49	16
E. Portelance.....	Row locks, &c.....			11	00
				15	22
					1,015 87
	<i>L'Islet Richelieu.</i>				
Catherine Blais.....	12 months salary as Keeper.....			160	00
do .....	Fuel.....			20	00
do .....	Boat hire.....			11	00
P. Jobin.....	Travelling expenses.....			13	25
					204 25
	<i>Lotbinière.</i>				
L. Beaudet.....	12 months salary as Keeper.....			80	00
Geo. Beaudet.....	do do.....			80	00
Andet & Robitaille.....	Tar.....			4	25
Beaudet & Chinic.....	Axe and saw.....			2	80
					167 05
	<i>North Half-way Point.</i>				
Denis Menard.....	12 months salary as Keeper.....	\$167	88		
do .....	do superannuation tax.....		2 12		
				170	00
P. Jobin.....	Travelling expenses.....			8	75
					178 75
	<i>Platon.</i>				
Pierre Beaudet.....	12 months salary as Keeper.....			120	00
Beaudet & Chinic.....	White lead.....			1	56
					121 56
	<i>Pointe aux Trembles.</i>				
J. Lamarche.....	12 months salary as Keeper.....				130 00
	Carried forward.....				9,277 55



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

		\$ cts.	\$ cts.
Brought forward .....			9,277 55
<i>Pointe du Lac.</i>			
M. Paquin .....	12 months salary as Keeper .....	100 00	
do .....	Travelling expenses .....	6 60	
A. E. Vallerand .....	Lamps and chimneys .....	2 00	108 60
<i>Port St. Francis.</i>			
Ernest Duval .....	12 months salary as Keeper .....	240 00	
do .....	Boat, \$36; painting, \$8 .....	44 00	
do .....	Repairing tower .....	6 50	
H. Brassard .....	Putting up and taking down tower .....	60 00	
Capt. J. Duval .....	Storage .....	10 00	
Beaudet & Chinic .....	Paint brushes .....	1 95	362 45
<i>Pointe aux Citrouilles.</i>			
C. Brunelle .....	12 months salary as Keeper .....	200 00	
do .....	Fuel, \$10; repairs, \$14 .....	24 00	
J. Bedard .....	Lantern and reflectors .....	13 35	
J. A. Marchildon .....	Ground rent .....	12 00	
F. Marchand .....	House rent and right of way .....	8 00	
Beaudet & Chinic .....	Paint brushes and buckets .....	1 25	258 60
<i>Portneuf (Above).</i>			
F. Rodrigue .....	12 months salary as Keeper .....	\$246 88	
do .....	do superannuation tax .....	3 12	
do .....	Fuel .....	250 00	
do .....	do .....	10 50	
G. Germain .....	Ground rent .....	5 50	
Geo. Paré .....	Repairs .....	125 00	
Beaudet & Chinic .....	Paint brush .....	0 80	391 80
<i>Repentigny.</i>			
Chas. Rivet .....	12 months salary as Keeper .....	75 00	
J. Bte. Lachapelle .....	do do .....	75 00	
Beaudet & Chinic .....	Paint brushes, padlocks, &c. ....	3 29	153 29
<i>River du Chêne.</i>			
Widow J. Langlois .....	12 months salary as Keeper .....		100 00
<i>River St Francis.</i>			
P. Deschenaux .....	Salary for season .....	86 66	
do .....	Removing posts and repairs .....	35 75	
R. Latraverse .....	do replacing .....	41 00	163 41
<i>St. Antoine.</i>			
L. Lafleur .....	12 months salary as Keeper .....	\$160 46	
do .....	do superannuation tax .....	2 04	
do .....	Fuel, \$10; painting and repairs, \$30.55 .....	162 50	
J. Joseph .....	Plate glass .....	40 55	
		17 75	220 80
Carried forward .....			11,036 50
28			

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

		\$	cts.	\$	cts.
	Brought forward .....			11,036	50
	<i>Ste. Croix.</i>				
Wm. Thurber.....	12 months salary as Keeper.....	\$172	80		
do .....	do superannuation tax.....	2	20		
do .....	Fuel.....		175	00	
F. Gunn.....	Rope.....		19	35	
Beaudet & Chinic.....	Paints nails, etc.....		10	95	
J. Desrochers.....	Ground rent.....		6	00	
J. Bédard.....	Stovepipe and box.....		3	20	
T. Parent.....	Lime.....		1	75	
				226	25
	<i>St. Pierre les Becquets.</i>				
S. C. Francoeur.....	12 months salary as Keeper.....		70	00	
do .....	Painting.....		4	00	
do .....	Cutting trees.....		6	00	
Beaudet & Chinic.....	Glass.....		15	00	
				95	00
	<i>St. Valentine.</i>				
Paul Martin.....	12 months salary as Keeper.....	\$148	12		
do .....	do superannuation tax.....	1	88		
P. Jobin.....	Repairs.....		150	00	
			20	00	
				170	00
	<i>Sorel Harbour.</i>				
Richelieu Co.....	Keeping light.....		85	00	
J. P. Pagé.....	Painting.....		30	00	
				115	00
	BUOYS.				
D. Meilleur.....	Services.....		150	00	
M. Francoeur.....	do .....		450	00	
L. H. Hébert.....	do .....		125	00	
E. R. Smith.....	Advertising.....		3	40	
				728	40
	GENERAL ACCOUNT.				
T. Routier.....	Blacksmith and carpenters work.....		1,316	66	
G. N. W. Telegraph Co.	Messages.....		188	02	
J. G. Bruneau.....	Expenses supplying lights.....		25	00	
P. Bellefeuille.....	Cartage of oil.....		15	00	
T. Berrigan.....	do of snow.....		35	00	
J. Barbeau.....	Repairing roof.....		13	00	
Beaudet & Chinic.....	Paint, brushes, nails, etc.....		69	60	
T. L. Boulanger.....	Subscription to "Le Canadien".....		4	00	
R. Borland.....	1 chaldron coal.....		7	00	
L. A. Blanchet.....	Petty expenses.....		155	05	
J. Bédard.....	Funnels.....		4	80	
P. Connolly.....	Labour.....		10	00	
E. Chanteloup.....	Resilvering reflectors.....		554	30	
J. P. Dery.....	Stationery.....		6	25	
W. Doyle.....	Hardware.....		35	65	
N. Fitzhenry.....	Storing coal oil.....		26	26	
J. U. Gregory.....	Travelling expenses.....		36	90	
N. Fitzhenry.....	Wages.....		91	50	
J. Hamel et Cie.....	Chamois skins, glass cloth.....		100	58	
J. Marmen.....	Cartage.....		25	15	
	Carried forward .....		2,719	72	12,371 50

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

		\$	cts.	\$	cts.
		Brought forward .....		2,719	72
		<b>GENERAL ACCOUNT—<i>Concluded.</i></b>			
A. Marme . . . . .	Services .....	28	00		
J. Morin . . . . .	Chimney cleaners .....	18	00		
Queen's Wharf . . . . .	Rent .....	271	91		
Jackson Rae . . . . .	Fire extinguishers .....	63	00		
A. E. Vallerand . . . . .	Sponges, lanterns and chimneys .....	291	30		
M. J. Woodward . . . . .	3,223.16 galls. petroleum, 22c .....	709	10		
M. Tardif . . . . .	Spars .....	19	25		
A. G. Tourangeau . . . . .	Postage, May and June .....	39	39		
A. J. Turcotte . . . . .	Matches, brooms, brushes .....	55	05		
do . . . . .	132½ galls. linseed oil, at 67½c .....	87	45		
do . . . . .	54 galls. turpentine, at 67½c .....	36	45		
H. St. A. Ormond . . . . .	Paid freight on anchor and repairs, Isle Ste. Thérèse .....	1	30		
do . . . . .	Travelling expenses do .....	24	42		
					4,364 34
		Total .....		16,735	49

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No. 5

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights below Quebec for the Fiscal Year ended 30th June, 1887.

		\$	cts.	\$	cts.
<i>Algernon Rock.</i>					
L. D. Babin.....	Allowance for assistant .....	150	00		
do .....	Fuel .....	24	00		
Ars. Babin.....	Skiff, \$30; repairs, \$30 .....	60	00		
Beaudet & Chinic.....	Chains, spikes and nails.....	9	63		
				243	63
<i>Amherst Island.</i>					
Wm. Cormier.....	12 months salary as Keeper.....	\$345	60		
do .....	do superannuation tax .....	4	40		
				350	00
do .....	Fuel, \$50; repairing fence, \$10.....	60	00		
Andet & Robitaille .....	Balyard .....	1	80		
Beaudet & Chinic.....	Axe, shovels, etc .....	8	85		
J. H. Clint .....	Pine boards .....	35	87		
J. Hamel & Co.....	Glass cloth.....	3	81		
T. Parent.....	Lime .....	1	75		
A. E. Vallerand.....	Chimneys .....	6	35		
				468	43
<i>Anse St. Jean.</i>					
F. Boivin .....	12 months salary as Keeper.....	40	00		
J. Bedard.....	Lamps and repairs.....	3	50		
St. Lawrence Steam Navigation Co.....	Freight.....	3	00		
				46	50
<i>Anticosti, East Point.</i>					
Thos. Gagné.....	12 months salary as Keeper.....	\$795	00		
do .....	do superannuation tax.....	5	00		
				800	00
Beaudet & Chinic.....	Paint, files, hammer, etc.....	62	83		
J. H. Clint.....	Lumber .....	5	52		
Fisher & Blouin.....	Harness and blankets .....	11	00		
F. Gunn .....	Canvas .....	18	90		
J. Hamel & Co.....	Glass cloth, chamois, etc.....	5	43		
T. Houghton .....	Horse shoes.....	4	35		
S. Peters .....	Lumber.....	17	82		
Renaud & Cie.....	Oats and bran.....	16	80		
J. Bedard .....	Stove pipe, stoppers.....	13	65		
				956	30
<i>Anticosti, South Point.</i>					
Wm. Carter.....	12 months salary as Keeper.....	\$637	00		
do .....	do superannuation tax.....	13	00		
				650	00
do .....	Boat .....	100	00		
T. Routier.....	Repairs to house, tower and breakwater.....	772	25		
J. Shea & Bros .....	Provisions for carpenters.....	77	14		
J. B. Côté.....	do do .....	13	26		
A. J. Turcotte.....	do do .....	39	65		
J. Smith.....	do do .....	7	55		
				1,659	85
Carried forward .....				1,714	86

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

		\$	cts.	\$	cts.
Brought forward .....		1,659	85	1,714	86
<i>Anticosti, South Point—Concluded.</i>					
J. H. Clint .....	Lumber .....	343	21		
G. M. Webster & Co .....	Cement .....	4	50		
Beaudet & Chinic .....	Iron, paint, etc .....	130	45		
Oct. Gourdeau .....	Deals and cartage .....	13	20		
A. E. Vallerand .....	Chimneys .....	3	90		
F. Derouin .....	Sheaves .....	1	80		
F. Gunn .....	Rope, canvas, etc .....	18	75		
E. Giroux .....	Drugs .....	2	95		
Andet & Robitaille .....	Rope .....	1	80		
F. Dobbin .....	Repairing clock .....	4	50		
G. T. Phillips .....	House pump, iron, etc .....	31	69		
S. J. Shaw & Co .....	Stock and dies, hardware, etc .....	36	48		
J. Bedard .....	Stovepipe and repairing lamps .....	86	15		
				2,339	23
<i>Fog Whistle.</i>					
Wm. Carter .....	Salary as engineer .....	250	00		
do .....	Fuel, two years .....	600	00		
do .....	Repairs and board .....	19	60		
S. Peters .....	Lumber .....	96	61		
Carrier, Lainé & Co .....	Tongues for reeds .....	31	50		
Beaudet & Chinic .....	Nails .....	3	08		
T. Routier .....	Repairs .....	479	50		
J. Sullivan .....	Tanks .....	40	00		
G. Perrin .....	Bricks .....	13	00		
				1,533	29
<i>Anticosti, West Point.</i>					
A. Malouin .....	12 months salary as Keeper .....	\$645	00		
do .....	do superannuation tax .....	5	00		
do .....	Filling wharf, \$24; horse hire, \$4 .....	650	00		
Beaudet & Chinic .....	Paint, brushes, nails, etc .....	28	00		
J. H. Clint .....	Lumber .....	89	90		
SS. "Otter" .....	Freight .....	17	49		
J. B. Renaud .....	Oats, bran and seeds .....	11	00		
E. Cazeau .....	Oats, bran and seeds .....	37	21		
J. Hamel & Co .....	Wheels and axles .....	64	50		
Fisher & Blouin .....	Reflector cloth .....	14	15		
F. Gunn .....	Horse collar and harness .....	15	07		
T. Parent .....	Manilla rope .....	13	13		
T. Houghton .....	Lime and puncheons .....	9	75		
J. B. Uutil .....	Horse shoes .....	8	45		
Renaud et Cie .....	Oars .....	2	50		
A. E. Vallerand .....	Oats .....	3	86		
J. Bédard .....	Lamps .....	1	25		
T. Routier .....	Stove, pipe, oil feeders .....	56	06		
A. J. Turcotte .....	On account breakwater .....	820	00		
T. Delany .....	Provisions for carpenters .....	63	62		
J. B. Côté .....	do .....	16	25		
M. Dunn .....	Provisions .....	80	54		
O. & W. Wurtele .....	Soap .....	3	00		
	Cement .....	72	60		
				2,077	72
<i>Anticosti, South-West Point.</i>					
E. Pope .....	12 months salary as Keeper .....	\$795	00		
do .....	do superannuation tax .....	5	00		
do .....	Repairs .....	860	00		
Beaudet & Chinic .....	Glass, paint and nails .....	60	00		
J. Hamel & Co .....	Glass cloth .....	156	59		
		13	98		
Carried forward .....		1,030	57	7,665	10

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

		\$ cts.	\$ cts.
	Brought forward.....	1,030 57	7,665 10
<i>Anticosti, South-West Point—Concluded.</i>			
J. H. Clint .....	Boards.....	67 60	
G. T. Phillips .....	Repairs.....	64 97	
Fisher & Blouin .....	Harness and blanket.....	18 50	
Renaud et Cie.....	Oats and bran .....	16 65	
E. Cazeau.....	Wheels.....	17 00	
E. Giroux et Frère .....	Drugs.....	7 80	
A. E. Vallerand.....	Chimneys.....	3 75	
F. Dobbin .....	Clocks.....	4 50	
Audet & Robitaille.....	Rowlocks.....	3 05	
J. Bédard.....	Stove, plates and box.....	14 85	
			1,249 24
<i>Baie St. Paul.</i>			
H. Tremblay.....	12 months salary as Keeper.....	\$296 24	
do .....	do superannuation tax.....	3 76	
do .....	Fuel.....	300 00	
do .....	Repairs to house and boat.....	30 00	
Beaudet & Chinic.....	Axe, lock and paint.....	57 00	
J. F. Dobbin.....	Repairing clock .....	25 77	
E. Giroux et Frère.....	Drugs.....	2 00	
F. Gunn .....	Rope, oakum.....	13 00	
J. Hamel & Co.....	Glass cloth.....	10 28	
Richelieu & Ontario Navigation Co.....	Freight.....	1 47	
St. Lawrence Steam Navigation Co.....	do .....	0 50	
J. Bédard.....	Box.....	3 93	
		0 75	444 70
<i>Bellechasse.</i>			
J. B. Galibois.....	12 months salary as Keeper .....	\$316 00	
do .....	do superannuation tax.....	4 00	
do .....	Fuel, \$10; iron keel, \$2.20.....	320 00	
Beaudet & Chinic.....	Lock, axe, etc .....	12 20	
J. F. Dobbin.....	Repairing clock .....	7 85	
F. Gunn .....	Rope and canvas .....	1 00	
J. Hamel et Cie.....	Glass cloth .....	17 93	
P. P. Pouliot.....	Boat.....	2 37	
		16 75	378 10
<i>Belle Isle.</i>			
M. Colton.....	12 months salary as Keeper.....	\$893 72	
do .....	do superannuation tax.....	6 88	
do .....	Boat, \$10; repairs to road and wharf, \$83.....	900 60	
Audet & Robitaille.....	Twine, etc.....	93 00	
Beaudet & Chinic.....	Axe, nails, shovels and iron.....	2 25	
J. Bédard.....	Tinware, pipes, etc .....	145 89	
W. Boucher.....	Labour landing.....	10 65	
E. Cazeau.....	Trucks and sleigh.....	18 60	
J. H. Clint.....	Lumber .....	38 75	
J. F. Dobbin .....	Repairing clock .....	79 95	
Fisher & Blouin.....	Horse collar and leather.....	2 50	
E. Giroux et Frère.....	Drugs .....	6 05	
Jos. Hamel et Cie.....	Glass cloth .....	6 65	
T. Houghton.....	Horse shoes.....	12 15	
T. Parent.....	Cooperage.....	10 85	
J. B. Renaud et Cie.....	Hay, oats and bran.....	105 15	
O. Vézina.....	Tools .....	110 63	
L. P. Vohl.....	Telescope.....	33 30	
Geo. M. Webster & Co.....	3 tons coal, \$7.....	10 00	
		21 00	1,607 97
	Carried forward .....		11,345 11

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

		\$ cts.	\$ cts.
Brought forward.....			11,345 11
<i>Belle Isle (Depot).</i>			
. B. Renaud & Co. ....	Flour .....	15 00	15 00
<i>Bioquette.</i>			
Et. Parent.....	12 months salary as Keeper.....	\$594 40	
do .....	do superannuation tax.....	5 60	
do .....	Fuel, \$24; board bill and lime, \$14.25.....	600 00	
Beaudet & Chinic.....	Paint, brushes, etc.....	38 25	
C. Bérubé.....	Blacksmith work.....	42 57	
H. Black.....	Axle-tree and brush.....	5 75	
J. Desgagné.....	Painting.....	2 50	
Aug. Dion.....	Boat.....	63 33	
E. Giroux et Frère.....	Drugs.....	28 00	
Jos. Hamel & Co.....	Glass cloth.....	3 15	
O. Vézina.....	Iron work.....	4 35	
F. Turgeon.....	Rope.....	19 00	
		20 00	826 90
<i>Bird Rocks.</i>			
Tel. Turbide.....	12 months salary as Keeper.....	\$1,288 00	
do .....	do superannuation tax.....	12 00	
		1,300 00	
Audet & Robitaille .....	Halyards.....	1 85	
Beaudet & Chinic.....	Paint, wire rope, iron, etc.....	63 99	
J. Bédard.....	Iron door, repairing stove.....	12 85	
J. H. Clint.....	Boards.....	60 28	
Geo. T. Davie.....	Condenser.....	120 00	
J. F. Dobbin.....	Clock and repairing clock.....	4 50	
Ed. Giroux et Frère.....	Drugs.....	1 60	
F. Gunn.....	Rope and canvas.....	53 65	
Jos. Hamel & Co.....	Glass cloth.....	4 35	
T. Parent.....	Barrelling coal.....	117 15	
Geo. Perrin.....	Bricks.....	3 50	
G. T. Phillips.....	Hose and wire.....	8 75	
J. & W. Reid.....	Felt.....	2 84	
T. Rontier.....	Preparing lumber for new house.....	170 53	
S. J. Shaw & Co.....	Gauge glasses.....	1 50	
E. Trudel.....	cord wood.....	2 00	
J. Turner.....	Labour landing supplies.....	33 75	
		1,963 09	
<i>Brandy Pots.</i>			
A. Richard.....	12 months salary as Keeper.....	\$395 00	
do .....	do superannuation tax.....	5 00	
do .....	Fuel.....	400 00	
do .....	Salvage of boat, \$10; repairs, \$5.15.....	30 00	
do .....	Slip.....	15 15	
Beaudet & Chinic.....	Paint, brushes and compass.....	100 00	
J. Hamel & Co.....	Glass cloth.....	5 95	
		2 37	553 47
<i>Cap à l'Aigle.</i>			
E. Savard.....	Salary for season.....	40 00	
A. E. Vallerand.....	Chimneys and wicks.....	6 40	
F. Gunn.....	Rope.....	1 57	
St. Lawrence Steam Navigation Co.....	Freight on lamps.....	2 10	
Richelieu and Ontario Navigation Co.....	do do.....	0 25	
		50 32	
Carried forward.....			14,753 89

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

		\$ cts.	\$ cts.
Brought forward .....			14,753 89
<i>Cap aux Oies.</i>			
J. Savard.....	12 months salary as Keeper .....	\$296 24	
do .....	do superannuation tax.....	3 76	
do .....	Fuel, \$20; repairs, \$10.16.....	300 00	
Beaudet & Chinic.....	Files, putty, tacks.....	30 16	
J. F. Dobbin.....	Repairing clock.....	10 16	
F. Funn.....	Canvas.....	1 15	
J. Hamel & Co.....	Glass cloth.....	7 20	
G. T. Phillips.....	Sheet lead .....	1 47	
		2 36	
			352 50
<i>Cape Bauld (Fog Horn).</i>			
A. St. Laurent.....	Salary as Engineer.....	400 00	
do .....	56½ cords wood, \$3.....	169 50	
do .....	Galvanized iron.....	3 00	
M. Dunn.....	Tallow .....	4 50	
Carrier, Laine & Co.....	Screws.....	3 34	
Beaudet & Chinic.....	Paint and files.....	38 77	
G. T. Phillips.....	Flangers and valves.....	12 39	
S. J. Shaw & Co.....	Rubber.....	3 44	
			634 94
<i>Cape Bauld (Lighthouse).</i>			
A. St. Laurent.....	12 months salary as Keeper.....	400 00	
J. H. Olin.....	Lumber.....	33 81	
Beaudet & Chinic.....	Paint and hardware .....	47 15	
J. Hamel & Co.....	Glass cloth .....	4 35	
T. Houghton.....	Horse shoes .....	3 60	
T. Routier.....	Flag staff, rods and repairs.....	59 20	
E. Cazeau.....	Carts and sleigh.....	82 75	
T. Parent.....	Lime and repairing .....	7 95	
Fisher & Blouin.....	Horse blanket.....	4 00	
S. Peters.....	Lumber.....	4 75	
N. Tardif & Co.....	Spar.....	1 50	
A. E. Vallerand.....	Chimneys.....	6 40	
F. Gunn.....	Rope.....	10 88	
E. Giroux et Frère.....	Drugs.....	7 15	
L. P. Vohl.....	Telescope .....	14 00	
Audet & Robitaille.....	Flag.....	9 30	
J. F. Dobbin.....	Repairing clocks.....	3 25	
J. B. Renaud et Cie.....	Hay, oats and bran.....	64 91	
A. St. Laurent.....	Postage.....	0 50	
J. Bédard.....	Chimney top and oil feeders.....	37 05	
			802 50
<i>Cape Chatte (Lighthouse).</i>			
T. Côté.....	12 months salary as Keeper .....	\$ 296 24	
do .....	do superannuation tax.....	3 76	
do .....	Fuel, \$20; right of way, \$4.....	300 00	
do .....	Painting.....	24 00	
do .....	Shovels.....	30 00	
Beaudet & Chinic.....	Shovels.....	2 10	
J. Hamel et Frères.....	Glass cloth.....	2 37	
T. Parent.....	Lime.....	1 75	
G. W. Lindsay.....	Repairing boat.....	7 01	
			367 23
Carried forward.....			16,911 06



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

		\$	cts.	\$	cts.
Brought forward.....					16,911 06
<i>Cape Chatte (Fog-Horn).</i>					
B. Dion.....	12 months salary as Engineer.....	\$395	00		
do .....	do superannuation tax.....	5	00		
do .....	Sawing wood.....		400	00	
Beaudet & Chinic.....	Brace, bit, saw, etc.....		25	00	
M. Dunn.....	Tallow.....		13	20	
B. Roy.....	40 cords maple, \$3 60 ..	\$144	00	3	20
do .....	10 cords tamarac, \$2.70.....	27	00		
W. & C. Crawford.....	Bricks.....		171	00	
			9	50	
					621 90
<i>Cape Despair.</i>					
Jno. Beck .....	12 months salary as Keeper.....	\$395	00		
do .....	do superannuation tax.....	5	00		
do .....	Fuel, \$30; blowing fog horn, \$20.....		400	00	
do .....	Repairs and cartage.....		50	00	
Beaudet & Chinic.....	Paint.....		45	00	
F. Gunn.....	Cotton duck.....		53	16	
J. Hamel et Frères.....	Glass cloth.....		9	00	
T. Parent.....	Lime.....		2	37	
Geo. Robinson.....	Freight.....		9	50	
A. E. Vallerand.....	Chimneys.....		3	70	
			31	10	
					603 83
<i>Cape Gaspé.</i>					
C. D. Esnouf .....	12 months salary as Keeper.....	\$795	00		
do .....	do superannuation tax.....	5	00		
do .....	Fuel, \$24; postage, \$2.94.....		800	00	
do .....			26	94	
Beaudet & Chinic.....	Locks, nails, etc.....		15	01	
F. Gunn.....	Rope.....		11	00	
J. Hamel & Co.....	Glass cloth.....		2	91	
S. Peters.....	Lumber.....		13	50	
A. E. Vallerand.....	Chimneys and wicks.....		3	30	
					872 66
<i>Cape Magdalen.</i>					
J. F. Sasseville.....	12 months salary as Keeper.....		300	00	
do .....	Fuel.....		25	00	
do .....	Fence.....		18	00	
do .....	Sinking well.....		45	00	
do .....	Postage.....		4	50	
Beaudet & Chinic.....	Glass, nails, etc.....		47	20	
Audet & Robitaille.....	Blocks and halyards.....		3	35	
J. Bédard.....	Lamps and repairs.....		51	75	
E. Giroux et Frère.....	Drugs.....		19	30	
J. Hamel & Co.....	Glass cloth.....		2	91	
T. Parent.....	Lime.....		3	25	
					520 26
<i>Cape Normand.</i>					
Hy. Locke.....	12 months salary as Keeper.....	\$493	72		
do .....	do superannuation tax.....	6	28		
do .....	Fuel.....		500	00	
do .....	Wharf, \$20; repairing tower, \$72.....		100	00	
Audet & Robitaille.....	Rope.....		92	00	
			4	30	
					520 26
	Carried forward.....		696	30	19,529 71

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

		\$ cts.	\$ cts.
	Brought forward.....	696 30	19,529 71
<i>Cape Normand—Concluded.</i>			
Beaudet & Chinic.....	Paint, axe and nails.....	10 70	
J. Bédard.....	Stove.....	7 65	
J. H. Clint.....	Lumber.....	33 04	
E. Giroux et Frère.....	Drugs.....	2 75	
J. Hamel et Frères.....	Glass cloth.....	4 35	
			754 79
<i>Cape Ray.</i>			
E. H. Rennie.....	12 months salary as Keeper.....	\$588 00	
do.....	do superannation tax.....	12 00	
do.....	Fuel, \$40; repairs, \$10.....	600 00	
do.....		80 00	
Beaudet & Chinic.....	Varnish and paint.....	46 28	
J. Bédard.....	Lamps and reflectors.....	51 55	
E. Cazeau.....	Axles and wheels.....	58 25	
J. H. Clint.....	Lumber.....	29 00	
J. F. Dobbin.....	Clock.....	3 50	
F. Gunn.....	Rope.....	56 13	
J. Hamel et Frères.....	Glass cloth.....	4 71	
T. Parent.....	Kegs.....	13 00	
J. B. Renaud & Co.....	Hay, oats and bran.....	23 05	
			965 47
<i>Cape Ray (Fog-Whistle).</i>			
E. H. Rennie.....	Salary as Engineer.....	200 00	
Archibald & Co.....	70 tons coal, at \$1.60.....	\$112 00	
do.....	Trimming coal.....	10 50	
		122 50	
M. Dunn.....	Tallow.....	4 50	
E. Chanteloup.....	Oil cups.....	49 00	
Bisset Bros.....	Castings.....	47 20	
Carrier, Laine & Co.....	Pump, tongues, etc.....	115 40	
S. J. Shaw & Co.....	Plates and dies, tubes, etc.....	147 78	
G. M. Webster & Co.....	Cement.....	13 50	
			699 88
<i>Cape Rosier.</i>			
Jean Vien.....	8 months salary as Keeper.....	266 67	
do.....	Fuel.....	30 00	
do.....	Travelling expenses.....	48 80	
A. Bélanger.....	Salary for July and August.....	163 00	
F. Dobbin.....	Clock.....	3 25	
Beaudet & Chinic.....	Glass, white lead, etc.....	46 41	
J. Bédard.....	Buckets, pipe, etc.....	16 60	
J. Hamel & Co.....	Glass cloth.....	4 35	
F. X. Lavoie.....	Certificate of registration.....	8 60	
T. Parent.....	Kegs.....	2 75	
A. E. Vallerand.....	Chimneys and burners.....	9 25	
J. B. Vien.....	Painting lantern.....	22 00	
A. Trudeau.....	6 months salary.....	200 00	
			821 68
<i>Cape Rosier (Fog-Whistle).</i>			
J. Vien.....	Salary as Engineer.....	400 00	
C. & X. Kennedy.....	Freight 88 tons coal, at \$3.00.....	\$264 00	
do.....	do 12 do 1.50.....	18 00	
		282 00	
Intercolonial Coal Co.....	99½ do 2.00.....	199 00	
Beaudet & Chinic.....	Files and iron.....	3 74	
	Carried forward.....	884 74	21,949 85

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

		\$	cts.	\$	cts.
Brought forward.....		884	74	21,949	85
<i>Cape Rosier (Fog-Whistle)—Concluded.</i>					
Carrier, Laine & Co.....	Tongues.....	30	40		
G. T. Phillips.....	Steam valve.....	3	55		
Noonan & Davies.....	On account of freight.....	10	50		
S. J. Shaw & Co.....	Plates and dies.....	37	35		
M. Dunn.....	Tallow.....	2	40		
				968	94
<i>Carleton Point.</i>					
Elm. Laundry.....	12 months salary as Keeper.....	\$296	24		
do.....	do superannuation tax.....	3	76		
do.....	Fuel.....	300	00		
J. Joseph, jun.....	Plate glass.....	20	00		
J. Hamel & Co.....	Reflector cloth.....	21	60		
				2	19
				343	79
<i>Chicoutimi.</i>					
J. Marier.....	Salary for season.....	70	00		
Geo. Bergeron.....	do.....	70	00		
H. Savard.....	do.....	70	00		
F. Gauthier.....	do.....	40	00		
Ang. Pilote.....	do.....	40	00		
Widow O. Lachance.....	do.....	40	00		
A. Simard.....	do.....	40	00		
O. Harvey.....	do.....	40	00		
Widow O. Tremblay.....	Travelling expenses and repairs.....	253	82		
do.....	Storage and supplying lights.....	60	00		
Beudet & Chinic.....	Brace and bits, glass.....	16	05		
J. Bédard.....	Lanterns, lamps and reflectors.....	19	10		
J. Hamel et Frères.....	Glass cloth.....	1	82		
T. Parent.....	Lime.....	1	75		
A. Poitras.....	Repairs.....	100	00		
Richelieu and Ontario Navigation Co.....	Passage and freight.....	26	46		
St. Lawrence Steam Nav- igation Co.....	do.....	46	39		
A. E. Vallerand.....	Chimneys and burners.....	12	80		
				948	19
<i>Crane Island.</i>					
J. Painchaud.....	12 months salary as Keeper.....	\$316	00		
do.....	do superannuation tax.....	4	00		
do.....	Fuel.....	320	00		
do.....	Fence.....	16	00		
do.....	Repairing ceiling.....	10	00		
do.....	Repairs to boat.....	62	00		
Beudet & Chinic.....	Putty.....	5	00		
R. Blakiston.....	Sails.....	1	53		
J. Hamel et Frères.....	Glass cloth.....	70	10		
T. Parent.....	Lime.....	2	91		
A. E. Vallerand.....	Dioptric lantern.....	1	75		
				37	50
				526	79
<i>Eboulements.</i>					
A. Goudreault.....	Salary for season.....	40	00		
do.....	Repairing tower.....	24	50		
Richelieu and Ontario Navigation Co.....	Freight.....	2	00		
St. Lawrence Steam Nav- igation Co.....	do.....	5	45		
				71	95
Carried forward.....				25,631	19

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

		\$	cts.	\$	cts.
	Brought forward.....			25,631	19
<i>Egg Island.</i>					
Paul Coté .....	12 months salary as Keeper.....	\$493	72		
do .....	do superannuation tax.....		6 28		
do .....	Fuel .....		500 00		
do .....	Board of carpenters .....		60 00		
Beaudet & Ohinic .....	Zinc, nails, tacks, and stock and dies .....		124 18		
J. H. Clint .....	Lumber .....		53 82		
A. Fraser .....	Freight and passage .....		536 02		
E. Giroux et Frère.....	Drugs .....		49 90		
F. Gunn .....	Canvas .....		18 55		
J. Hamel et Frères.....	Glass cloth.....		6 75		
F. Lachance.....	Repairs .....		7 81		
T. Parent .....	Water-barrel.....		114 00		
T. Rontier .....	Repairs .....		2 75		
J. & W. Reid .....	Felt .....		201 50		
			5 85		
				1,681	11
<i>Entry Island.</i>					
James Cassidy.....	12 months salary as Keeper.....	\$496	24		
do .....	do superannuation tax.....		3 76		
do .....	Fuel.....		300 00		
Beaudet & Ohinic.....	Glass, paint, &c.....		20 09		
E. Chanteloup.....	Burners and repairing reflectors .....		43 70		
F. Dobbin.....	Clock.....		86 00		
N. Dickson .....	Ground rent.....		8 75		
O. Fortin.....	Birch bark .....		15 00		
J. Hamel & Co.....	Glass cloth.....		7 50		
T. Parent.....	Keq and lime .....		3 81		
S. Peters .....	Lumber.....		6 75		
			116 53		
				608	03
<i>Ellis Bay (Provision Dépot).</i>					
R. Setter .....	6 months salary as Keeper .....		98 74		
do .....	do superannuation tax.....		1 26		
				100	00
<i>Etang du Nord.</i>					
T. O'Brien.....	12 months salary as Keeper .....		400 00		
do .....	Repairs.....		75 00		
Beaudet & Ohinic.....	Nails.....		0 79		
Audet & Robitaille.....	Twine.....		0 60		
E. Giroux et Frère.....	Drugs.....		12 05		
F. Gunn.....	Rope .....		25 63		
J. Hamel & Co.....	Glass cloth.....		2 55		
H. Leblanc.....	Right of way.....		8 00		
T. Parent.....	Water cask.....		5 25		
S. Peters .....	Lumber .....		29 70		
A. E. Vallerand.....	Lamps.....		2 00		
J. Bédard.....	Stove, pipe, tinware .....		17 65		
				579	22
<i>Fog Whistle.</i>					
T. O'Brien.....	Salary as Engineer .....		400 00		
Archibald & Co.....	50 tons coal, \$1.60, \$80; trimming coal, \$7.50 .....		87 50		
T. O'Brien.....	Fuel, \$100; labour at coal, \$21.....		121 00		
M. Dunn.....	Tallow .....		9 00		
Beaudet & Ohinic .....	Hammer, files and iron.....		33 53		
G. T. Phillips .....	Rubber, washers.....		2 72		
S. J. Shaw & Co.....	Cotton wick.....		0 40		
				654	15
	Carried forward.....			29,253	70

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

		\$	cts.	\$	cts.
Brought forward .....				29,253	70
<i>Fame Point.</i>					
Jas. Ascah. ....	12 months salary as Keeper.....	\$395	00		
do .....	do superannuation tax .....		5 00		
do .....	Fuel, \$20; stays, \$12.....		400 00		
Audet & Robitaille.....	Wire rope, halyards .....		32 00		
Beaudet & Chinic.....	Saw, glass, paint, etc .....		26 02		
J. Bédard .....	Repairing lamps and stove.....		31 43		
J. F. Dobbin. ....	Clock.....		26 50		
E. Giroux .....	Drugs.....		4 50		
J. Hamel. ....	Glass cloth.....		10 75		
J. Joseph .....	Ruby glass .....		3 63		
B. Leonard. ....	Wall paper .....		4 50		
G. T. Phillips .....	Shee' lead.....		3 00		
A. E. Vallerand .....	Chimneys .....		8 64		
C. Vézina.....	Tools, rods, etc .....		3 15		
			31 95		
				536	07
<i>Father Point.</i>					
J. McWilliams.....	12 months salary as Keeper .....	\$337	48		
do .....	do superannuation tax.....		2 53		
do .....	Fuel and water .....		340 00		
do .....	Repairs to roof.....		30 00		
Beaudet & Chinic.....	Saw, zinc, iron, etc.....		14 89		
J. Bédard.....	Stove pipe.....		40 09		
J. H. Clint. ....	Planks and boards.....		3 95		
E. Chanteloup.....	Re-silvering reflectors.....		6 00		
E. Giroux et Frère.....	Drugs .....		46 50		
O. Gourdeau .....	Repairs.....		14 15		
J. Hamel & Co.....	Glass cloth.....		40 77		
L. Leclerc .....	Junk.....		3 81		
A. E. Vallerand .....	Burners, chimneys, etc .....		3 50		
			9 25		
				552	91
<i>Forteau.</i>					
M. T. Wyatt.....	12 months salary as Keeper.....	\$493	72		
do .....	do superannuation tax.....		6 28		
do .....	Repairs .....		500 00		
Beaudet & Chinic.....	Paints, nails, glass, etc.....		49 00		
J. H. Clint. ....	Deals.....		102 45		
J. F. Dobbin. ....	Clock.....		67 85		
Fisher & Blouin.....	Horse rasp.....		3 50		
J. Hamel & Co.....	Glass cloth.....		0 75		
T. Houghton. ....	Horse shoes .....		4 35		
F. Gunn.....	Rope.....		4 10		
E. Giroux et Frère. ....	Drugs .....		11 88		
E. Larochelelle .....	Boat.....		31 90		
T. Parent .....	Lime and barrels .....		10 00		
S. Peters .....	Lumber .....		12 70		
J. B. Renaud et Cie.....	Hay, oats and bran.....		67 74		
A. E. Vallerand .....	Lamp.....		50 75		
G. M. Webster.....	Cement.....		5 00		
			13 50		
				935	47
<i>Fog Whistle.</i>					
M. T. Wyatt.....	Salary as Engineer.....		300 00		
do .....	Fuel.....		60 00		
Carrier, Laine & Co .....	Tongues for reeds .....		30 40		
M. Dunn.....	Tallow.....		4 50		
Carried forward. ....				394	90
				29,886	23

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

		\$	cts.	\$	cts.
		Brought forward.....		394	90
		<i>Fog-Whistle—Concluded.</i>			
Intercolonial Coal Co....	91 tons coal, \$2.....	182	00		
Noonan & Davies.....	Freight, 91 tons coal, \$4, \$164; commission, \$9.10.....	373	10		
G. T. Phillips .....	Gauge glasses valves, etc.....	8	80		
E. Trudel.....	4 cord wood, \$1.....	8	00		
				966	80
		<i>Gaspé Basin.</i>			
Ben. Eden.....	Salary for season .....			42	00
		<i>Gaspé Lightship.</i>			
John Ascah .....	Salary as Keeper .....	400	00		
Beaudet & Chinic .....	Glass .....	18	50		
				418	50
		<i>Grand River.</i>			
T. A. Baudin .....	12 months salary as Keeper .....	150	00		
do .....	Fuel, \$15; postage and freight, \$7.94; fence, \$31.60.....	54	54		
Beaudet & Chinic .....	Nails .....	3	35		
J. F. Dobbin .....	Clock.....	4	50		
J. Hamel & Co.....	Glass cloth.....	1	38		
				213	77
		<i>Green Island.</i>			
G. W. Lindsay .....	12 months salary as Keeper .....	\$853	72		
do .....	do superannuation tax .....	6	28		
				860	00
Audet & Robitaille .....	Halyards.....	1	85		
Beaudet & Chinic .....	Saw, shovels, etc.....	25	12		
J. Bedard .....	Stovepipe, cramps, etc.....	18	45		
E. Chanteloup .....	Oil-cups .....	49	01		
J. F. Dobbin.....	Clock .....	3	50		
E. Giroux et Frère.....	Drugs .....	13	65		
J. Hamel & Co.....	Glass cloth.....	5	43		
G. W. Lindsay.....	Repairing boat .....	23	25		
T. Parent .....	Lime .....	16	50		
A. E. Vallerand .....	Lanterns .....	1	25		
				1,018	00
		<i>Isle aux Coudres.</i>			
H. Pednault .....	Salary for season.....	40	00		
do .....	Freight .....	1	65		
A. E. Vallerand .....	Chimneys .....	2	50		
J. Bédard .....	Repairing lamps, stove-pipes, etc.....	15	35		
Richelieu and Ontario Navigation Co.....	Freight on lamps .....	1	10		
St. Lawrence Steamship Navigation Co.....	do etc.....	4	70		
				65	30
		<i>Greenly Island.</i>			
L. C. de Beaumont.....	12 months salary as Keeper .....	\$628	33		
do .....	do superannuation tax.....	5	00		
				633	33
Audet & Robitaille .....	Oakum .....	30	55		
Beaudet & Chinic.....	Iron, paint .....	110	41		
J. F. Dobbin.....	Clock .....	5	50		
				779	79
		Carried forward .....		34,052	52

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

		\$	cts.	\$	cts.
Brought forward .....		779	79	34,052	52
<i>Greenly Island—Concluded.</i>					
Fisher & Blouin .....	Ox collar .....		5 00		
J. Bédard .....	Stove, repairing lamp .....		56 05		
E. Giroux et Frère.....	Drugs .....		6 20		
F. Gunn .....	Canvas .....		18 90		
J. Hamel & Co. ....	Glass cloth, curtains, etc.....		11 61		
P. Jobin .....	Repairs .....		18 50		
T. Parent .....	Water barrels .....		3 25		
Renaud & Co. ....	Hay, oats, bran, etc.....		40 03		
E. Trudel .....	2 cords wood.....		4 00		
C. Vezina .....	Hinges .....		18 80		
A. E. Vallerand .....	Chimneys .....		6 35		
L. C. de Beaumont.....	Repairs .....		16 85		
				985	33
<i>Fog-Horn.</i>					
Carrier, Laine & Co.....	Horns, tongues, etc.....		1,992 40		
J. H. Clint. ....	Lumber .....		803 12		
M. Dunn .....	Tallow .....		4 50		
Intercolonial Coal Co. ...	135 tons coal, at \$2 .....		270 00		
P. Jobin.....	Building sheds for horns, etc .....		1,614 50		
do .....	Provisions .....		13 76		
Noonan & Davies .....	Freight on 135 tons, at \$4.....		540 00		
S. Peters .....	Lumber .....		108 27		
G. Perrin .....	Bricks .....		11 60		
G. T. Phillips .....	Flanges, pipes, etc .....		400 03		
S. J. Shaw .....	Dies, wire rope, etc. ....		84 58		
J. Sullivan .....	Tanks .....		120 00		
A. J. Turcotte.....	Provisions for carpenters .....		136 53		
J. Turner .....	Labour .....		93 30		
G. M. Webster.....	Bricks and cement.....		78 00		
				6,270	59
<i>Kamouraska.</i>					
T. R. Desjardins .....	12 months salary as Keeper .....	\$ 444	40		
do .....	do superannuation tax.....		5 60		
do .....	Fuel .....		450 00		
Beaudet & Chénic.....	Axe, nails and paint brushes .....		25 00		
J. O. Bruneau .....	Travelling expenses .....		11 09		
R. Blakison.....	Sails .....		12 66		
J. Bédard .....	Stove and pipe .....		58 10		
J. Desgagné.....	Boat hire, repairs and painting.....		14 00		
J. B. Dutil .....	Oars .....		234 56		
J. Hamel & Co .....	Glass cloth .....		5 00		
T. Parent .....	Lime .....		2 73		
P. P. Pouliot.....	Boat .....		1 75		
				128	50
<i>Lark Islet.</i>					
P. Boulianne .....	12 months salary as Keeper .....	\$ 197	48		
do .....	do superannuation tax.....		2 52		
do .....	Fuel.....		200 00		
do .....	Boat.....		30 00		
do .....	Repairing boat, ladder, etc .....		20 00		
Beaudet & Chénic.....	Iron, paint, etc .....		13 20		
J. B. Dutil .....	Oars .....		22 42		
E. Giroux .....	Drugs .....		7 00		
J. Hamel & Co .....	Glass cloth .....		13 15		
B. Leonard .....	Wall paper.....		2 19		
St Lawrence Steam Navigation Co.....	Freight .....		0 60		
				41	25
				349	81
Carried forward .....				42,251	83

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

		\$ cts.	\$ cts.
	Brought forward .....		42,251 83
<i>Fog-Horn.</i>			
P. Boulianne.....	Salary as Engineer .....	200 00	
J. Boulianne .....	104½ cords wood, \$2.92 .....	305 14	
Bisset Bros .....	Cylinder cover.....	2 90	
M. Dunn .....	Tallow .....	6 80	
John Dawe .....	Tanks .....	120 00	
G. T. Phillips .....	Steam pipe and couplings.....	10 56	
S. J. Shaw .....	Packing .....	31 35	
Richelieu and Ontario Navigation Co.....	Freight on tallow .....	0 50	
			677 25
<i>Lower Traverse Lightship.</i>			
Isaac Gourdeau.....	Contract keeping light .....	2,300 00	
J. Bédard.....	Lamps, iron and repairs .....	30 05	
R. Blakiston .....	Sails, etc .....	63 10	
Beaudet & Chinic.....	Paint, screws and iron .....	100 46	
G. T. Davie .....	Repairs and painting .....	353 06	
J. F. Dobbin .....	Repairing clocks .....	4 25	
W. Déchon.....	Watching .....	40 00	
M. Dunn .....	Soap .....	12 00	
J. Gaudle .....	Towage .....	10 00	
F. Gunn .....	Rope, etc .....	57 86	
E. Giroux .....	Drugs .....	11 65	
L. Girard .....	Cushions .....	8 00	
J. Hamel & Co .....	Glass cloth .....	2 91	
Jewell & Learmonth .....	Towage .....	100 00	
St. Lawrence Steam Nav- igation Co.....	do .....	50 00	
A. J. Turcotte .....	Brooms and brushes .....	8 45	
A. E. Valleraud.....	Chimneys and wicks .....	2 55	
O. Vézina .....	Chains and hooks .....	67 60	
J. H. Olin .....	Lumber .....	3 46	
R. W. Battis.....	Towage .....	25 00	
<i>Fog-Whistle.</i>			
A. Bernier .....	Laying up .....	29 00	
J. Cambray .....	43½ cords of wood, at \$3.25 .....	140 55	
S. J. Shaw & Co.....	Hose, joints, etc. ....	46 36	
G. T. Phillips .....	Lead pipes, cocks, etc .....	273 97	
E. Bélanger .....	Outfit .....	50 30	
N. Debreis .....	do .....	12 50	
R. Joyce .....	Coaling.....	15 75	
J. Marmen.....	2 cords of wood.....	5 20	
M. Dunn .....	Tallow .....	2 40	
O. Pelletier.....	19 cords of wood, at \$3.25 .....	61 76	
G. T. Phillips .....	Outfit to engines .....	100 77	
T. Hamel.....	Cementing boiler.....	74 50	
W. H. Crawford & Co....	12 chaldrons coal, at \$6.50. ....	78 00	
			4,141 46
<i>Martin River.</i>			
can Gauthier.....	12 months salary as Keeper .....	\$296 24	
do .....	do superannuation tax .....	3 76	
		300 00	
do .....	Fuel.....	25 00	
do .....	Board and repairs .....	123 70	
do .....	Stamps .....	1 25	
Beaudet & Chinic.....	Paint, nails, etc. ....	43 96	
	Carried forward .....	493 91	47,420 35



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

		\$	cts.	\$	cts.
Brought forward .....		493	91	47,420	35
<i>Martin River—Concluded.</i>					
J. H. Clint .....	Lumber.....	237	76		
E. Giroux .....	Drugs .....	6	85		
J. Hamel & Co.....	Glass cloth and bags .....	53	81		
T. Parent .....	Lime .....	3	25		
T. Paradis .....	Sawdust .....	9	20		
Quebec Steamship Co.....	Passage of men .....	24	00		
T. Routier.....	Repairs to house.....	321	50		
F. Turgeon .....	do .....	94	37		
G. M. Webster & Co.....	Cement.....	4	50		
				1,249	15
<i>Maguereau Point.</i>					
A. Bertrand.....	12 months salary as Keeper .....	\$296	24		
do .....	do superannuation tax .....	3	76		
do .....	Fuel .....	300	00		
do .....	Painting and repairs .....	20	00		
do .....	Freight and postage.....	70	80		
do .....	Freight and postage.....	4	85		
Beaudet & Chinic.....	Paint, nails, etc.....	12	16		
J. Bédard.....	Lamps, burners and repairs .....	22	45		
E. Giroux .....	Drugs .....	3	40		
J. Hamel & Co.....	Glass cloth.....	2	37		
A. E. Vallerand .....	Lamps and chimneys .....	3	90		
				439	93
<i>Matane.</i>					
Oct. Desjardins.....	12 months salary as Keeper .....	\$296	88		
do .....	do superannuation tax .....	3	12		
do .....	Painting and repairs .....	300	00		
do .....	Fuel .....	14	71		
do .....	Fuel .....	20	00		
J. Bédard .....	Stove, burners, etc .....	26	35		
Beaudet & Chinic .....	Stove polish and brushes.....	7	00		
J. F. Dobbin .....	Repairing clock .....	1	00		
E. Giroux et Frère.....	Drugs .....	12	65		
J. Hamel & Co.....	Glass cloth .....	2	37		
T. Parent.....	Lime .....	1	75		
J. St. Pierre.....	Freight on stove, etc.....	2	00		
				387	83
<i>Manicouagan Lightship.</i>					
R. Leblanc .....	Contract for repairing light .....	2,800	00		
Beaudet & Chinic .....	Varnish, tools and iron .....	125	86		
R. Blakeston .....	Sails .....	50	55		
J. H. Clint .....	Lumber .....	35	99		
R. W. Battis .....	Towage.....	20	00		
M. Dunn .....	Soap .....	12	00		
J. F. Dobbin .....	Repairing clocks .....	2	25		
A. Fraser & Co .....	Freight .....	3	50		
F. Gunn.....	Rope and canvas .....	34	65		
E. Giroux .....	Drugs .....	10	65		
A. Flamand .....	Painting .....	35	00		
J. Hamel & Co .....	Glass cloth.....	2	91		
W. T. Davie.....	Towage.....	10	00		
Geo. T. Davie .....	Wintering .....	200	00		
do .....	Repairs .....	673	31		
T. Parent.....	Lime .....	1	75		
J. Ruel .....	Laying up.....	38	63		
A. E. Vallerand .....	Chimneys and burners.....	15	70		
L. P. Vohl .....	Marine glass.....	17	00		
Carried forward .....		3,072	75	49,497	26

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

		\$ cts	\$ cts.
	Brought forward.....	3,072 75	49,497 26
<i>Manicouagan Lightship—Concluded.]</i>			
C. Vezina .....	Chain and hooks .....	6 00	
St. Lawrence Steamship Navigation Co.....	Towage.....	60 00	
J. Sullivan .....	Chain cable.....	413 47	
A. J. Turcotte .....	Brooms and brushes .....	10 70	
J. Bédard .....	Stove, pipes, reflectors, etc .....	53 45	
<i>Fog Whistle.</i>			
R. Leblanc .....	Paid for 11½ cords wood, at \$3 .....	334 50	
Carrier, Lainé & Co.....	Steel plates .....	20 68	
G. T. Phillips .....	Valves, brasses, hose, etc .....	317 85	
S. J. Shaw & Co.....	Packing, cleaners, etc.....	17 85	
J. Ruel .....	Outfitting engine and boiler .....	192 61	
Beaudet & Chinic.....	Files, wrench, etc .....	14 61	
A. Kerr .....	Coaling .....	18 00	
M. Dunn .....	Tallow .....	4 00	
T. Hamel .....	Cementing boiler.....	65 50	
W. H. Crawford & Co....	15½ chaldrons coal, at \$6.50 .....	100 75	
A. J. Turcotte.....	15 gallons olive oil, at \$1.10 .....	16 50	
			5,746 22
<i>Metis Lighthouse.</i>			
J. Martin.....	12 months salary as Keeper .....	\$296 24	
do .....	do superannuation tax.....	2 76	
			300 00
do .....	Fuel and horse keeping.....	40 00	
do .....	Repairing stable and postage .....	29 50	
J. Hamel & Co.....	Glass cloth.....	2 37	
Beaudet & Chinic.....	Pans, dusters, brushes .....	1 80	
T. Parent .....	Lime .....	1 75	
			375.42
<i>Montée du Lac.</i>			
Ed. Simard.....	12 months salary as Keeper .....	\$395 00	
do .....	do superannuation tax.....	5 00	
			400 00
do .....	Fuel.....	30 00	
Beaudet & Chinic.....	Glass, saw, nails, nuts.....	27 34	
J. Bédard .....	Tinware and stovepipe .....	7 35	
J. H. Clint .....	Lumber .....	81 22	
J. Desgagné .....	Boat hire.....	39 00	
J. F. Dobbin.....	Repairing clock .....	1 50	
Drum Manufacturing Co.	Saw dust.....	1 20	
E. Giroux et Frère.....	Drugs .....	24 45	
F. Gunn .....	Canvas and rope .....	28 30	
J. Hamel & Co .....	Glass cloth .....	4 87	
J. Morissette .....	Repairs .....	212 52	
T. Parent .....	Water cask and lime .....	7 00	
J. Sullivan .....	Water tank .....	40 00	
E. Simard .....	Expenses keeping light in fall.....	31 00	
A. J. Turcotte.....	Provisions .....	29 61	
A. E. Vallerand .....	Lamps and chimneys .....	4 75	
			970 11
<i>Montmagny.</i>			
J. Bte. Robin .....	Salary for season .....	50 00	
E. Chanteloup.....	Repairing reflector .....	1 50	
			51 50
	Carried forward .....		56,640 51

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

		\$	cts.	\$	cts.
	Brought forward.....			56,640	51
<i>Murray Bay.</i>					
Elie Maltais .....	Salary for season.....	40	00		
F. Gunn.....	Manilla rope .....	4	13		
St. Lawrence Steamship Navigation Co.....	Freight .....	2	50		
Richelieu and Ontario Navigation Co.....	do .....	0	80		
				47	43
<i>Oak Point.</i>					
M. Geraghty .....	12 months salary as Keeper.....			150	00
<i>Orleans Range.</i>					
H. Roberge.....	12 months salary as Keeper, St. Pierre.....	70	00		
J. Roberge .....	do do do .....	70	00		
A. Asselin .....	do do Ste. Famille .....	70	00		
P. Paquet .....	do do do .....	70	00		
J. Huot .....	do do Ange-Gardien .....	70	00		
A. Trudel .....	do do do .....	70	00		
do .....	Fuel.....	4	00		
J. Huot .....	Fuel, \$4.00; cartage, 50 cts .....	4	50		
A. Asselin.....	Fuel, \$4.00; repairs, \$11.51.....	15	51		
Andet & Robitaille .....	Rope, blocks, etc.....	10	25		
Beaudet & Chinic .....	Tools .....	17	80		
J. G. Bruneau.....	Supplying lights .....	17	50		
E. Chanteloup.....	Head lights .....	163	50		
J. Desgagné.....	Bateau hire .....	40	00		
J. Faucher .....	Cutting trees .....	8	00		
J. Morissette.....	Repairs .....	7	70		
A. Marmen.....	Services .....	7	70		
P. Paquet .....	Fuel, \$4.00; ladder, \$3.00 .....	7	00		
H. Roberge.....	Fuel, \$4.00; repairs, \$11.10.....	15	10		
J. Roberge .....	Fuel, \$4.00; freight, \$5.60.....	9	60		
do .....	Repairs .....	3	67		
A. J. Turcotte.....	Provisions .....	16	51		
J. Bédard.....	Stoves, pipes, lamps, etc.....	10	85		
A. E. Vallerand.....	Lantern, lamps and chimneys.....	9	10		
				787	29
<i>Paspébiac.</i>					
Jno. Loisel.....	12 months salary as Keeper .....	\$148	12		
do .....	do superannuation tax.....	1	88		
do .....				150	00
do .....	Fuel, \$20.00; freight and repairs, \$11.50.....	31	50		
do .....	Blowing fog horn .....	30	00		
do .....	Cartage of supplies .....	5	10		
Beaudet & Chinic.....	Axes, nails, tacks .....	7	68		
J. Bédard.....	Stove, pipe, etc.....	14	70		
J. Hamel & Co .....	Glass cloth .....	2	37		
F. Gunn.....	Canvas .....	12	38		
				253	73
<i>Percé.</i>					
C. Bourget .....	12 months salary as Keeper.....	\$197	48		
do .....	do superannuation tax.....	2	52		
do .....				200	00
do .....	Fuel .....	25	00		
do .....	Painting tower.....	10	50		
Beaudet & Chinic.....	Glass cutter.....	4	25		
J. Hamel & Co.....	Glass cloth.....	2	37		
A. E. Vallerand.....	Chimneys, burners and lamps.....	18	75		
do .....	Fog-horn .....	25	10		
				285	97
	Carried forward.....			58,164	93

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

		\$	cts.	\$	cts.
Brought forward .....				58,164	93
<i>Pilgrims.</i>					
D. Desjardins .....	12 months salary as Keeper .....	\$	335		
do .....	do superannuation tax .....			4	88
do .....	Fuel and water .....		340	64	
do .....	Repairs .....		68	00	
Beaudet & Chinic .....	Nails .....		24	40	
F. Gunn .....	Marline .....			0	15
J. Hamel & Co .....	Glass cloth .....		1	40	
O. & W. Wurtels .....	Cement .....		2	37	
			4	50	
				441	46
<i>Pillars.</i>					
L. D. Babin .....	12 months salary as Keeper .....	\$	444	40	
do .....	do superannuation tax .....			5	60
do .....	Repairs to house .....		450	00	
do .....	Painting .....		250	00	
Beaudet & Chinic .....	Paint, iron, axes, files, etc .....		35	29	
J. Bédard .....	Stove, boiler and box .....		45	55	
F. Derouin .....	Blocks .....		14	75	
Dinning & Brown .....	Vice .....		6	00	
J. F. Dobbin .....	Repairing clock .....		6	72	
J. B. Dutil .....	Oars .....		2	50	
F. Gunn .....	Rope .....		2	50	
J. Hamel & Co .....	Glass cloth, curtains, etc .....		29	89	
G. Seifert .....	Telescope .....		8	25	
L. P. Vohl .....	do .....		8	00	
E. Brousseau & Co .....	Spout .....		14	00	
L. D. Babin .....	Fuel .....		1	86	
			25	00	
				900	31
<i>Plateau.</i>					
T. D. Bond .....	12 months salary as Keeper .....		350	00	
do .....	Fuel, \$50; boat, \$15 .....		65	00	
J. Bédard .....	Stovepipe .....		11	75	
Beaudet & Chinic .....	Putty, grindstone, nails, etc .....		6	79	
F. Derouin .....	Sheaves .....		1	80	
J. F. Dobbin .....	Repairs to clock .....		1	25	
E. Giroux et Frère .....	Drugs .....		7	60	
J. Hamel & Co .....	Glass cloth .....		2	37	
				446	56
<i>Point des Monts.</i>					
L. F. Faffard .....	12 months salary as Keeper .....	\$	695	00	
do .....	do superannuation tax .....			5	00
do .....	Repairing boat and tower .....		700	00	
Beaudet & Chinic .....	Nails, zinc, paint, etc .....		74	25	
J. Bédard .....	Repairing lamps and reflectors .....		85	08	
E. Cazeau .....	Sleigh .....		21	45	
J. H. Clint .....	Lumber .....		21	00	
F. Derouin .....	Blocks .....		43	61	
A. Fraser & Co .....	Freight .....		3	00	
Fisher & Blouin .....	Horse blanket .....		5	65	
E. Giroux et Frère .....	Drugs .....		4	40	
J. Hamel & Co .....	Glass cloth .....		16	20	
T. Houghton .....	Horse Shoes .....		10	60	
B. Leonard .....	Wall paper .....		4	80	
T. Parent .....	Lime .....		3	75	
S. Peters .....	Lumber .....		11	50	
			13	20	
Carried forward .....				1,018	49
				59,963	26

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

		\$	cts.	\$	cts.
Brought forward .....		1,018	49	59,953	26
<i>Point des Monts—Concluded.</i>					
P. P. Pouliot.....	Boat.....		12 00		
G. T. Phillips.....	Sheet lead.....		1 80		
J. B. Renaud et Cie.....	Hay, oats and bran.....		49 03		
J. & W. Reid.....	Felt.....		1 38		
S. J. Shaw & Co.....	Solder.....		0 80		
A. E. Vallerand.....	Chimneys.....		10 15		
					1,093 65.
<i>Point Rich.</i>					
F. Lemieux.....	12 months salary as Keeper.....	\$595	00		
do .....	do superannuation tax.....		5 60		
				600	60
do .....	Fuel.....		60 00		
R. Blakiston.....	Sails.....		37 80		
Beaudet & Chinic.....	Glass cutter, files, etc.....		10 56		
J. Bédard.....	Stovepipe.....		7 75		
J. Dawe.....	Boat.....		84 00		
E. Giroux et Frère.....	Drugs.....		6 10		
J. Hamel & Co.....	Glass cloth.....		4 71		
G. T. Phillips.....	Valve, stock and dies.....		6 80		
J. B. Renaud & Co.....	Bran.....		1 00		
N. Tardif & Co.....	Spar.....		1 25		
					820 57
<i>Point aux Orignaux.</i>					
J. H. Beaulieu.....	12 months salary as Keeper.....	\$246	88		
do .....	do superannuation tax.....		3 12		
				250	00
do .....	Fuel.....		12 00		
J. Bédard.....	Stovepipe.....		0 95		
Beaudet & Chinic.....	Axe, etc.....		1 70		
J. B. Du il.....	Oars.....		5 50		
F. Gunn.....	Rope.....		4 38		
J. Hamel & Co.....	Glass cloth.....		1 83		
Chs. Letellier.....	Stove and pipes.....		13 50		
J. Sullivan.....	Davits.....		23 40		
					313 26
<i>Point St. Laurent.</i>					
Ed. Chabot.....	12 months salary as Keeper.....	\$196	24		
do .....	do superannuation tax.....		3 76		
				300	00
Beaudet & Chinic.....	Paint, nails, etc.....		6 32		
J. H. Clint.....	Shingles.....		3 60		
L. Garneau.....	Repairs.....		10 00		
J. Hamel & Co.....	Glass cloth.....		2 37		
J. Sullivan.....	Davits.....		23 40		
					345 69
<i>Point St. John.</i>					
Chas. Langlois.....	12 months salary as Keeper.....	\$296	24		
do .....	do superannuation tax.....		3 76		
				300	00
do .....	Fuel.....		16 00		
do .....	Repairs to tower.....		30 50		
do .....	Cartage.....		5 20		
Beaudet & Chinic.....	Nails.....		3 82		
J. H. Clint.....	Lumber.....		61 51		
J. Hamel & Co.....	Glass cloth.....		1 65		
Carried forward .....			418 68	62,526	43

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

		\$	cts.	\$	cts.
	Brought forward.....	418	68	62,526	43
<i>Point St. John—Concluded.</i>					
J. Sullivan.....	Davits .....	23	40		
A. E. Vallerand .....	Lamps and chimneys .....	2	55		
J. Bédard .....	Buckets.....	1	33		
				445	96
<i>Portneuf (B).</i>					
D. Tremblay .....	12 months salary as Keeper .....	\$345	60		
do .....	do superannuation tax .....	4	40		
				350	00
do .....	Fuel .....	30	00		
do .....	Horse keep .....	12	00		
do .....	Freight of boat.....	5	00		
do .....	Repairs to boat, ladders, etc .....	8	00		
Audet & Robitaille .....	Rope and jib rings .....	4	90		
Beaudet & Ohnic. ....	Files, tacks, spade, etc .....	6	47		
J. Bédard .....	Stovepipes .....	5	10		
E. Giroux et Frère.....	Drugs .....	7	80		
J. Hamel & Co. ....	Glass cloth .....	2	37		
P. P. Pouliot .....	Boat .....	161	00		
A. E. Vallerand .....	Lamp, chimneys and burners .....	3	10		
E. Blakiston .....	Sails.....	57	30		
				653	04
<i>Red Island Lightship.</i>					
L. T. Delisle.....	Contract keeping light. ....	2,400	00		
J. Bédard .....	Tinware, pipes, etc .....	54	70		
Beaudet & Ohnic. ....	Paint, nails, varnish, etc.....	182	21		
R. W. Battis .....	Towage .....	20	00		
Aug. Charrier .....	Watching .....	70	50		
E. Ohanteloup .....	Repairing lamps.....	7	00		
W. T. Davie.....	Towage .....	10	00		
J. B. Dutil .....	Oars .....	11	00		
L. T. Delisle .....	Repairs and freight .....	5	92		
Geo. T. Davie .....	Wintering and repairs .....	360	68		
A. Flamand.....	Painting .....	35	00		
L. Guérard .....	Cushions.....	16	00		
F. Gunn .....	Rope, canvas and oakum.....	124	57		
E. Giroux et Frère .....	Drugs .....	6	60		
J. Hamel & Co. ....	Glass cloth .....	2	91		
M. Dunn .....	Soap .....	12	00		
St. Lawrence Steam Navigation Co.....	Towage .....	50	00		
G. Seifert .....	Telescope .....	8	00		
J. Sullivan .....	Chain cable.....	416	65		
A. J. Turcotte .....	Brooms and brushes.....	7	15		
A. E. Vallerand .....	Chimneys, burners, etc.....	9	00		
				3,809	89
<i>Fog Whistle.</i>					
L. Couture .....	Laying up.....	30	50		
M. Dunn .....	Tallow .....	8	00		
Thos. Pelletier.....	39 cords wood, at \$3.....	117	00		
Nap. Rioux .....	18½ do 3.....	56	25		
S. J. Shaw & Co.....	Packing, rubber, files, etc .....	34	45		
A. J. Turcotte.....	41½ gallons olive oil, at \$1.10.....	45	47		
G. T. Phillips .....	Inspirators, valves, cocks, etc.....	467	68		
Geo. Fagot .....	Outfit, engine and boiler .....	35	18		
A. Kerr .....	Coaling.....	15	75		
J. Marmen .....	1 cord wood.....	2	60		
W. H. Crawford & Co.....	23 chaldrons coal, at \$6.50.....	149	50		
				962	38
	Carried forward .....			68,297	70

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

		\$ cts.	\$ cts.
Brought forward.....			68,397 70
<i>Red Island Lighthouse.</i>			
Elz Fraser .....	12 months salary as Keeper .....	\$653 72	
do .....	do superannuation tax .....	6 28	
do .....	Repairs.....		660 00
Beaudet & Chinic.....	Door knobs, brushes, etc.....		4 25
J. H. Clint.....	Lumber .....		31 13
J. B. Dutil.....	Oars.....		19 42
E. Giroux et Frère .....	Drugs.....		5 50
J. Hamel & Co.....	Glass cloth.....		40 15
L. Leclerc.....	Iron rails.....		8 85
T. Parent .....	Lime and water barrels.....		43 75
St. Lawrence Steam Navigation Co.....	Freight .....		19 50
A. E. Vallerand .....	Chimneys and burners.....		0 75
T. Routier.....	Oil shed.....		8 00
			77 70
			919 00
<i>Rivière du Loup.</i>			
L. T. Puize.....	Salary for season.....		60 00
A. E. Vallerand .....	Lamps and chimneys .....		24 20
J. Bédard .....	Lamps repaired.....		1 75
St. Lawrence Steam Navigation Co.....	Freight .....		5 20
Richelieu and Ontario Navigation Co.....	do .....		0 75
			91 90
<i>St. Alphonse.</i>			
Chas. Potvin .....	Salary for season.....		40 00
St. Lawrence Steam Navigation Co.....	Freight.....		2 10
			42 10
<i>St. Francis Range.</i>			
J. Lepage .....	12 months salary as Keeper.....		75 00
L. Marceau.....	do do .....		75 00
do .....	Fuel .....		12 00
J. Lepage .....	do .....		12 00
L. Marceau.....	Painting .....		2 50
Beaudet & Chinic.....	Locks .....		0 60
J. H. Clint.....	Lumber .....		9 40
L. R. Demers .....	Travelling expenses .....		3 75
A. E. Vallerand .....	Chimneys .....		2 05
J. Bédard .....	Stovepipe .....		0 60
			192 90
<i>Seven Islands.</i>			
F. Arcand.....	12 months salary as Keeper.....	\$495 00	
do .....	do superannuation tax .....	5 00	
do .....	Fuel .....		500 00
do .....	Board of carpenters.....		30 00
J. Bédard.....	Lamps, chimneys and stovepipe .....		129 60
Beaudet & Chinic.....	Iron, shovels, nails, etc.....		28 50
J. H. Clint.....	Lumber .....		31 69
A. Fraser & Co.....	Passage of men.....		152 78
J. Hamel & Co .....	Glass cloth .....		21 60
F. Lachance.....	Boards, sand, etc.....		3 09
L. Magnan.....	Repairs .....		21 50
			150 50
Carried forward.....			1,069 26
			69,643 00

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

		\$ cts.	\$ cts.
	Brought forward.....	1,069 26	69,643 60
	<i>Seven Islands—Concluded.</i>		
T. Parent .....	Lime .....	9 25	
G. Perrin.....	Bricks .....	18 75	
T. Routier.....	Repairs .....	119 50	
C. Vézina .....	Chains and shackles. ....	17 60	
A. E. Vallerand .....	Chimneys .....	3 90	
G. M. Webster & Co .....	Cement .....	27 00	
			1,265 16
	<i>Upper Traverse Lightship.</i>		
Edouard Pelletier.....	Contract keeping light .....	1,580 00	
do .....	Repairs .....	83 37	
Audet & Robitaille .....	Oakum and blocks .....	5 50	
R. W. Battis .....	Towage .....	10 00	
Beaudet & Chinic.....	Iron, nails, etc. ....	72 08	
R. Blakiston .....	Sails and repairing flags.....	68 00	
J. Bédard .....	Galvanized iron, swing heads.....	27 60	
J. H. Clint .....	Lumber .....	23 72	
M. Dunn .....	Soap.....	12 00	
Geo. T. Davie .....	Wintering, pumps, pipes, etc.....	396 00	
L. T. Delisle.....	Services .....	54 25	
J. F. Dobbin.....	Repairing clock .....	3 75	
J. B. Dutil .....	Oars .....	11 00	
A. Flamand .....	Painting .....	30 00	
E. Giroux et Frère.....	Drugs .....	17 70	
F. Gunn .....	Rope, canvas.....	80 25	
J. Hamel & Co.....	Glass cloth .....	1 47	
Jewell & Learmonth.....	Towage.....	80 00	
J. Marmen .....	2 cords of wood.....	5 20	
T. Parent .....	Water casks.....	5 25	
St. Lawrence Navigation Co .....	Towage.....	50 00	
A. E. Vallerand .....	Chimneys and wicks. . .	20 85	
C. Vézina .....	Chains and hooks .....	9 40	
A. J. Turcotte.....	43½ gallons hosed oil, 67½ c. ....	29 63	
do .....	Brooms and brushes .....	2 05	
			2,679 07
	<i>BUOYS AND BEACONS.</i>		
E. Landry.....	Placing and lifting, Carleton Point.....	30 00	
Wm. Leslie.....	do .....	10 50	
O. Pelletier.....	Placing in Traverse.....	40 00	
D. F. de St. Aubin .....	Placing and lifting, Matane.....	81 55	
J. Cassidy.....	do Amherst Island. ....	25 00	
F. X. Cauchon.....	do North Channel.....	72 00	
Eug. Hammond.....	do Montmagny.....	30 00	
T. Girouard.....	do Bersimis.....	50 00	
P. D. Rouleau .....	do Cock Point.....	32 00	
J. Eden .....	do Gaspé .....	46 75	
Le Boutillier Bros.....	do .....	15 00	
H. Leblanc.....	do New Richmond.....	28 60	
E. Maltais.....	do Malbaie .....	10 50	
St. Lawrence Steam Na- vigation Co.....	Hire of boat to place buoys.....	361 78	
Dinning & Brown.....	do do .....	131 25	
SS. "Vega".....	do do .....	93 35	
Corporation Pilots.....	Placing buoys .....	20 00	
O. Vézina .....	Chains, shackles and ironing buoys . .	604 70	
A. Samson.....	Travelling expenses.....	24 00	
T. Parent.....	Repairs to buoys.....	1,777 20	
J. H. Clint.....	Lumber .....	4 80	
L. Nadeau.....	Towage.....	450 00	
	Carried forward .....	3,938 96	73,587 83



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

		\$	cts.	\$	cts.
Brought forward .....		3,938	98	73,587	83
<b>BUOYS AND BEACONS—Concluded.</b>					
Hy. Black.....	Sinkers.....	1,304	54		
Audet & Robitaille, .....	Spun yarn, tar, &c.....		11 30		
J. Lynch.....	Chain.....	105	15		
L. R. Demers.....	Labour.....		4 00		
Wm. Tweddell.....	Towage.....		10 00		
Wright & Co.....	Anchors.....	544	13		
F. Gunn.....	Rope.....	62	13		
Beaudet & Chinic.....	Iron.....	269	80		
J. Berrigan.....	Labour.....		2 00		
J. H. Powell.....	Salvage.....	125	00		
Bisset Bros.....	Castings.....	68	45		
Jos. Guay.....	Freight on chains.....	8	00		
P. Leclerc.....	Salvage.....	15	00		
J. J. Foote.....	Advertising.....	10	75		
T. Courbion.....	Salvage.....	20	00		
L. Brosseau.....	Advertising.....	3	00		
T. Parent.....	New buoys.....	780	00		
J. Cunningham.....	Scraping and painting.....	58	50		
Jewell & Learmonth.....	Placing.....	60	00		
				7,400	73
<b>BUOYS (Gas).</b>					
J. Joncas.....	Harbour dues.....	8	92		
G. H. Gore.....	Cementing.....	7	25		
L. Demers.....	Paid labour.....	22	00		
R. Fortin.....	Labour.....	21	00		
E. Dufour.....	do.....	57	00		
G. T. Phillips.....	Steam valve, hose, etc.....	327	28		
Allans, Rae & Co.....	Freight.....	481	04		
J. B. Dussault.....	Caretaking.....	6	00		
S. J. Shaw & Co.....	Gauges.....	26	53		
C. Vézina.....	Laying up and outfit.....	293	31		
H. Hicks.....	Making gas.....	187	00		
O. Pelletier.....	Placing a buoy.....	82	00		
Beaudet & Chinic.....	Iron.....	106	00		
Bisset Bros.....	Bolts, nuts, etc.....	18	47		
G. M. Webster & Co.....	Cement and coke.....	174	00		
E. Chanteloup.....	Repairing lamps.....	30	00		
T. Turner.....	Outfit.....	34	60		
Eug. Bélanger.....	Making gas.....	257	50		
M. Dunn.....	Tallow.....	4	00		
				2,143	90
<b>BEACONS.</b>					
S. Peters.....	Lumber.....	94	46		
J. H. Clint.....	do.....	61	15		
J. Desgagné.....	Repairs.....	108	00		
J. Lebel.....	Deals.....	11	93		
Beaudet & Chinic.....	Iron.....	7	00		
T. Parent.....	Lime.....	5	25		
T. Deschenes.....	New beacon.....	45	00		
				332	79
<b>AGENCIES, RENTS AND CONTINGENCIES.</b>					
J. U. Gregory.....	12 months salary as Agent.....	\$2,155	99		
do.....	do superannuation tax.....	44	00		
				2,199	99
L. A. Blanchet.....	do salary as Accountant.....	\$980	01		
do.....	do superannuation tax.....	20	00		
				1,000	01
Carried forward .....		3,200	00	83,465	25

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

		\$	cts.	\$	cts.
Brought forward .....		3,200	00	83,465	25
AGENCIES, RENTS AND CONTINGENCIES—Concluded.					
E. E. Buteau .....	12 months salary as Clerk.....	\$882	00		
do .....	do superannuation tax .....	18	00		
J. G. Bruneau .....	do salary as Clerk.....			900	00
G. D. O'Farrell .....	do do .....			871	20
A. G. Tourangeau .....	Postage .....			688	80
J. Bédard .....	Boxes .....			237	08
Bell Telephone Co .....	Rent .....			6	90
A. B. Cherrier .....	Directory .....			85	00
Dawson & Co. ....	Books, ink, and binding.....			5	00
J. P. Dery .....	Ink, muilage, etc .....			38	15
T. Delany .....	Ice .....			54	60
J. F. Dobbin .....	Repairing clock .....			4	00
J. J. Foote .....	Subscription to "Chronicle" .....			1	00
F. Gunn .....	50 tons coal, \$3.....			6	00
B. King .....	Washing .....			150	00
C. E. Holliwell .....	Ink .....			23	50
G. T. Phillips .....	Repairing tanks, valves, etc .....			8	00
G. M. Webster & Co .....	20 <sup>230</sup> / <sub>224</sub> tons coal, \$6.50 .....	\$132	38	24	10
do .....	15 <sup>244</sup> / <sub>224</sub> do 6.50 .....	101	10		
				233	48
Beaudet & Chinic. ....	Twine and tacks .....			2	55
GENERAL ACCOUNT.					
A. E. Vallerand .....	Lanterns, chimneys, wicks, lens, sponges, fog-horns .....			1,500	40
O. Simard .....	Ganisters, pumps and tanks.....			289	20
Audet & Robitaille .....	Flag, rope, canvas, etc .....			343	96
Beaudet & Chinic. ....	Paint, turpentine, iron, plate glass, etc .....			2,085	46
E. Chanteloup .....	Chimneys, wicks and burners .....			1,576	20
Imperial Oil Co. ....	11,487-57 galls. petroleum, 22c .....			2,527	26
do .....	13,893 do 25c .....			3,473	26
J. Hamel & Co .....	Flannel, towelling, chamois skins .....			1,034	03
A. W. Glassford .....	Brass tubes and steel plates.....			247	09
Beaudet & Chinic. ....	65,009 lbs. powder, 20c .....	\$13,000	00		
do .....	Crossing do .....			97	50
do .....	Cartage.....			65	00
do .....	Blankets .....			41	50
do .....	Storage .....			220	00
				13,424	00
J. B. Dutil .....	Oars .....			188	00
N. Fitzhenry .....	Sags .....			206	16
J. H. Clint .....	Lumber .....			389	51
L. A. Blanchet .....	Petty expenses .....			253	80
Dawson & Co .....	Stationery, log books, etc .....			89	55
G. M. Webster & Co .....	12 chaldrons coal, \$3 .....			96	00
A. R. Pruneau .....	3 tons coal, \$7.50 .....			22	50
International Coal Merchants' Co .....	46 do 2 60 .....			92	00
J. A. Langlais .....	Books .....			71	00
McDougall, Logie & Co. ....	Paints .....			141	59
Jno. Dawe.....	Tank .....			60	00
P. P. Pouliot .....	Boat .....			108	00
A. J. Turcotte .....	86½ galls. turpentine, 75c .....			64	88
do .....	127½ galls. linseed oil, 67½c .....			86	10
do .....	Matches and brooms .....			22	20
G. T. Annett .....	Freight, 46 tons coal, \$1.50 .....			69	00
E. Cazeau .....	Wheels .....			14	00
J. Sullivan .....	Davits, chain and tank .....			71	38
Carrier, Lainé & Co .....	Nozzles, tongues, etc .....			144	40
M. Coulombe .....	5 cords maple, \$4 .....			20	00
Carried forward .....		28,710	93	90,003	61

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

		\$ cts.	\$ cts.
Brought forward .....		28,710 93	90,003 61
GENERAL ACCOUNT—Continued.			
S. Peters .....	Lumber .....	49 85	
M. Couturier .....	Soap .....	11 61	
M. Alexander .....	Spars .....	12 00	
E. Giroux et Frère.....	Drugs .....	18 43	
Plamondon & Anger.....	Empty barrels.....	38 40	
W. M. P. Webster.....	Shovels .....	8 00	
F. Dobbin.....	Clock .....	3 50	
J. P. Dery.....	Books and bills of lading .....	46 40	
J. Maloney .....	Yarn .....	3 30	
T. Routier.....	Repairs .....	1,440 92	
A. Bedigaré.....	Repairing locks .....	8 95	
T. Parent .....	Cooperage .....	73 40	
G. T. Phillips.....	Repairs .....	38 40	
L. Guerard.....	Boards.....	3 15	
J. Couturier.....	Labour .....	69 00	
C. Grenier.....	Landing fog-horn .....	28 60	
J. Naulin.....	Transporting fog-horn .....	10 00	
E. Chanteloup.....	Resilvering reflector .....	36 75	
T. Falardeau.....	Knees and poles .....	5 50	
Fradette & Sons.....	Repairing boiler.....	220 00	
P. Rouillard.....	do bags .....	12 50	
Hy. Black.....	Castings .....	16 25	
E. Mathurin.....	Repairs .....	30 00	
J. O'Dowd.....	Labour .....	13 50	
T. Parent.....	Lime and empty barrels .....	9 50	
M. Cottrell.....	do do .....	4 00	
E. Desgagné.....	Chimney cleaners .....	18 00	
S. J. Shaw & Co.....	Lock .....	0 60	
J. B. Dussault.....	Keeping canoe at L'Islet.....	5 00	
L. D. Babin.....	do St. Jean Port Joli .....	5 00	
J. Painchaud.....	do Crane Island .....	5 00	
T. Desroches.....	do Murray Bay .....	5 00	
D. Damour.....	do Trois Pistoles .....	5 00	
R. Leblanc.....	do Kamouraska .....	5 00	
P. Lafrance.....	do Ste. Anne .....	5 00	
E. Chamard.....	do Father Point .....	5 00	
L. Raymond.....	do Rivière du Loup.....	5 00	
J. B. Dussault.....	Repairing canoe .....	28 25	
G. Mercier.....	Shed .....	40 00	
D. Damour.....	Repairing shed .....	7 00	
T. Desroches.....	do and canoe .....	12 30	
J. Eden.....	Coal yard rent .....	100 00	
do.....	Salary .....	100 00	
L. A. Blanchet.....	Petty expenses .....	129 88	
A. Côté et Cie.....	Advertising .....	2 20	
L. Brousseau.....	do .....	2 20	
St. Lawrence Steam Navigation Co.....	Freight .....	2 95	
Steamer "Quebec".....	do .....	10 68	
T. J. Lamontagne.....	do .....	106 67	
J. Lebrun.....	do .....	5 00	
W. McPherson.....	do .....	25 71	
Quebec Steamship Co.....	do .....	2 81	
J. U. Gregory.....	Travelling expenses .....	59 10	
G. N. W. Telegraph Co...	Messages .....	232 39	
L. R. Demers.....	Expenses landing supplies .....	26 50	
J. Eden.....	Postage, telegram and cartage .....	25 41	
J. G. Bruneau.....	Expenses landing supplies .....	75 10	
O. Pelletier.....	Telegraphing .....	63 50	
Queen's Wharf.....	Rent .....	251 91	
A. Marmen.....	Services .....	92 00	
W. C. Scott.....	Freight .....	2 00	
Carried forward.....		32,389 98	90,003 61

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

		\$	cts.	\$	cts.
Brought forward .....		32,389	98	90,003	61
<b>GENERAL ACCOUNT—<i>Concluded.</i></b>					
S. Carroll .....	Ferriage .....	3	00		
T. Berrigan .....	Cartage .....	42	60		
Canadian Pacific Ry .....	Freight .....	3	00		
Dominion Express Co. ....	do .....	4	20		
J. Desgagné .....	Labour .....	6	00		
J. Marmen .....	Cartage .....	418	25		
N. Fitzhenry .....	Wages, April .....	45	00		
J. Langelier .....	Deeds .....	4	00		
J. McCann .....	Cartage .....	2	80		
A. B. Cherrier .....	Directory .....	5	00		
J. J. Foote .....	Advertising .....	6	80		
J. Bédard .....	Lamps, pipes and repairs .....	631	20		
Jno. Lynch .....	Blocks .....	16	00		
J. & W. Reid .....	Paper .....	4	20		
L. Raper .....	Potash .....	12	00		
M. Lemieux .....	Bags .....	20	58		
M. Fitzhenry .....	do .....	111	08		
F. Falardeau .....	Poles .....	2	00		
L. Nadeau .....	Bags .....	15	75		
M. Dunn .....	Soap .....	120	00		
Jackson Rae .....	Fire grenades .....	144	00		
G. T. Phillips .....	Emery cloth, thumb screws .....	43	85		
Department of Militia and Defence .....	Charges on friction tubes .....	60	75		
H. M. Paymaster-Gen- eral .....	Friction tubes .....	790	51		
"Daly Telegraph" .....	Advertising for tenders for supplies .....	2	20		
"Nouvelliste" .....	do do .....	2	20		
"Canadien" .....	do do .....	2	20		
Chance Bros & Co .....	Ruby glass chimneys .....	425	91		
Pintsch's Patent Light- ing Co .....	Gas buoys, and charges .....	5,979	92		
				41,314	98
Queen's Printer .....	Printing, etc .....			131,318	59
				222	21
	<b>Total</b> .....			131,540	80

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No. 6

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, etc., in Nova Scotia, for Fiscal Year ended 30th June, 1887.

MISCELLANEOUS.		\$ cts.	\$ cts.
Henry Watt .....	Fitting Steamboat Inspector's office.....	72 00	
do .....	Altering and repairing blacksmith's shop at wharf.	18 92	
J. E. Butler .....	Boat and oars .....	45 50	
J. E. Lordly .....	Brooms and pails .....	66 89	
do .....	Toilet soap for office .....	3 20	
Dominion Paint Co .....	Antifouling paint, naphtha and alcohol .....	151 00	
John Cawsey .....	Building chimney .....	19 50	
J. Dempster & Co. ....	Materials for Steamboat Inspector's office.....	40 25	
do .....	Skylight and doors for store .....	87 75	
John Murray .....	Delivering supplies.....	2 00	
Thos. Ead .....	Labour on coal .....	9 50	
T. D. Corbett & Co .....	44 tons coal, at \$3.50 .....	154 00	
City of Halifax .....	Water rates, 1 year .....	250 00	
do .....	Hydrant .....	22 20	
James M. Davis .....	Storage life-boat .....	13 00	
A. McAskill .....	2 barrels cement .....	8 50	
J. Hogan & Co .....	Cement, lumber, shingles, ladder, etc .....	197 08	
Bell Telephone Co .....	Rent of telephones .....	107 01	
J. E. Fielding .....	Freight, lighthouse supplies.....	2 75	
P. S. Hatfield .....	Survey and plan of land, life-boat station, Yarmouth	6 75	
Wallace Graham .....	Professional services .....	42 42	
Alfred Graves .....	Coopering oil .....	5 00	
Macdonald & Co .....	Whistle valves, lamps, lanterns, repairing light- house gear .....	276 17	
J. McLearn & Son .....	Hay for packing .....	1 20	
Intercolonial Coal Co .....	Coals .....	20 30	
John Overy .....	Cartage, supplies .....	15 30	
J. R. Gordon .....	Alcohol, sponges, spirits, wine .....	88 25	
John White .....	Repairing oil cans .....	13 35	
R. H. Cogswell .....	do clock .....	1 00	
S. Cunard & Co .....	Hard coal .....	22 50	
J. E. Wilson .....	Stovepipe, repairing stove.....	11 78	
Geo. E. Cann .....	Covering for life-boat .....	10 00	
Fishwick's Express .....	Freight .....	2 60	
Creighton & Marshall ..	Letter book, envelopes, paper, charts.....	15 78	
Jacob Bowser .....	building store .....	309 00	
J. S. Shanks .....	Repairing coal bags .....	55 00	
S. S. Maclean .....	Freight, wicking .....	2 68	
R. E. Monk .....	Labour practising in life-boat, Duncan's Cove .....	21 00	
Silber & Fleming .....	Lamp wick .....	21 20	
William Thomas .....	Painting store.....	12 00	
Hon. W. H. Owen .....	Professional services .....	112 00	
Edward Crosby .....	Land for life-boat station, Yarmouth .....	50 00	
E. F. Williams .....	Oars for life-boats .....	24 77	
C. R. Coker .....	Inspecting vessels .....	18 25	
A. W. Mackinlay .....	Stationery .....	69 87	
Intercolonial Express....	Freight and rubber stamp .....	10 75	
Geo. E. Morton .....	Postage stamps .....	184 66	
do .....	Map of Cape Breton .....	2 00	
Reuben Smith .....	securing stages at wharf .....	5 00	
Wm. Gossip .....	Stationery for light-keepers.....	20 73	
Henry Haverstocks .....	Boxes .....	45 00	
Intercolonial Railway ...	Freight .....	20 40	
do .....	Rent, wharf and stores, 1 year.....	1,500 00	
Carried forward .....		4,287 76	

## STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued.

	\$ cts.	\$ cts.
Brought forward .....	4,287 76	
<b>MISCELLANEOUS—Continued.</b>		
Steam Gauge & Lantern Co., Mississippi .....	Lanterns.....	339 56
Joseph S. Cashen .....	Straw.....	6 15
Thos. Doyle .....	Casks .....	13 75
John Flemming & Co. ....	Boat oars.....	64 30
Parker & Evans .....	Boiler compound .....	82 35
Cyril Sampson.....	#reight on oil to pole lights.....	3 00
J. E. M. Taylor.....	Cutting glass .....	1 00
Starr Manufacturing Co. ....	Repairing reflectors .....	20 00
Charles Neal .....	Labour, truckage and freight .....	1,198 80
Edward Bennett.....	Night watching, labour .....	463 12
James Major .....	Labour, etc., wharf and stores .....	369 00
Henry Metzler.....	do .....	360 00
Edward Scanlon.....	do .....	31 60
Theakston, Angwin & Co .....	Iron, nuts, waste, brushes, brooms, spikes, nails, paints, oils, etc .....	237 11
Henderson & Potts .....	Paints and oils .....	734 67
Geo. E. Smith & Co .....	Nails, spikes, rope, metal, chamois skins, iron, steel, nuts, washers, paints, oil, etc .....	290 89
W. B. Reynolds & Co.....	Paints, olive oil.....	151 14
A. J. Grant & Co.....	Nails, copper, screws, iron, waste, brushes, washers, spikes, paint, oils, etc .....	240 01
J. & K. Christie .....	Blacksmith's wages.....	616 08
Malcom McNeil .....	do .....	379 36
Nova Scotia Glass Co.....	Chimneys .....	248 72
Wm. Myers .....	Argand chimneys .....	2 40
Union Glass Co .....	Chimneys .....	208 80
J. F. Phelan & Sons .....	Freight on chimneys .....	9 88
John P. Mott & Co .....	Soap, tallow, lime .....	292 62
Burns & Murray .....	Cotton, crash .....	64 80
R. H. Cogswell .....	Hoisting time ball, 1 year.....	100 00
James Simmonds.....	Tinware .....	48 10
Power & Co.....	do .....	51 50
D. Bain .....	Storage, oil .....	4 50
Imperial Oil Co. ....	13,645 14 galls oil, 22½c.....	3,069 71
do .....	7,578 do 25½c.....	1,931 39
do .....	7,731 10 do 24c.....	1,855 54
T. D. Corbett & Co.....	Storage, cartage, labour on oil .....	134 64
Lawson, Harrington & Co .....	195 cases oil, at \$2.50.....	487 50
John Pettipas .....	Boat knees and timber .....	40 06
John Findlay .....	Building and repairing boats .....	603 00
R. A. Guildford.....	Labour landing coals.....	200 00
Thos. Forhan & Co.....	Coal bags .....	695 10
Archibald & Co .....	262 tons coal, at \$1.60 .....	419 20
do .....	Teaming coals, at 15c .....	59 30
Joseph Tower .....	Lighterage, 78 tons coal, at 70c.....	54 60
A. C. Anderson .....	do 75 do 70c.....	52 50
David Hurley .....	do 126 do 70c.....	88 20
Jiggins Coal Co .....	422 tons coal, at \$1.95 .....	822 90
Merchants Bank .....	Lighterage, 143 tons coal, at 80c .....	114 40
"Herald" Publishing Co .....	Advertising .....	17 20
Western Union Telegraph Co.....	Telegrams .....	231 29
Yarmouth Publishing Co .....	Advertising .....	6 40
"Advocate" Publishing Co .....	do .....	3 76
"Acadian Recorder" .....	Subscription, 1 year.....	5 00
"Critic" Publishing Co .....	do 2 years .....	3 00
do .....	Advertising .....	2 60
Toronto "Daily Mail" .....	Subscription, 1 year.....	7 00
Liverpool "Times" .....	Advertising .....	6 10
"Presbyterian Witness" .....	do .....	2 08
"Wesleyan" .....	do .....	2 08
"Evening Mail" .....	do .....	2 60
Carried forward .....		21,819 02

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	21,819 02	
	<b>MISCELLANEOUS—Concluded.</b>		
C. M. Creed .....	Subscription to Reading Room .....	6 00	
C. Annand .....	do "Chronicle" and "Citizen" .....	11 00	
Yarmouth "Times" .....	do .....	2 00	
do .....	Advertising .....	4 80	
Annapolis Publishing Co .....	do .....	1 25	
Digby "Courier" .....	do .....	1 76	
"Colonial Standard" .....	do .....	4 32	
Hants "Journal" .....	do .....	1 76	
Windsor "Clarion" .....	do .....	1 76	
do "Tribune" .....	do .....	1 76	
Western "Chronicle" .....	do .....	1 76	
North Sydney "Herald" .....	do .....	2 10	
"Sun" Publishing Co. ....	do .....	6 80	
Colonial "Standard" .....	do .....	2 00	
H. W. Johnston.....	Salary.....	\$ 1,980 00	
Receiver-General.....	Superannuation tax.....	40 00	
			2,000 00
Henry Dolby .....	Salary.....	\$ 1,078 00	
Receiver-General.....	Superannuation tax.....	22 00	
			1,100 00
John Taylor.....	Salary.....	\$ 588 00	
Receiver-General.....	Superannuation tax.....	12 00	
			600 00
J. W. Ouldfield.....	Salary.....	400 00	
Catherine Ouldfield.....	Cleaning offices.....	96 00	
do .....	Washing office towels .....	7 50	
Post Office .....	Rent of box .....	4 50	
H. J. Morgan.....	Annual Register.....	2 50	
J. R. Clendinning.....	Ice for offices .....	4 00	
H. G. King & Co.....	"Nautical Magazine" .....	3 75	
			26,086 34
	<b>FOG-ALARMS.</b>		
	<i>Brier Island.</i>		
Charles Pugh.....	Hauling coal and water .....	38 65	
P. H. Ruggles .....	Wharfage, 111 tons of coal .....	11 00	
Edgar Porter.....	Hauling 23 tons coal, at \$1 40.....	32 90	
Jas. Morrell .....	do 18½ do .....	25 90	
do .....	12 cords of wood, at \$1.20 .....	50 40	
Edgar Durkie.....	Hauling 13 tons coal, at \$1.40 .....	18 20	
J. F. Durkie.....	do 20½ do .....	28 70	
Holland Graham .....	do 22½ do .....	31 15	
A. D. Suthern.....	Labour procuring water.....	7 87	
Frank Suthern.....	Salary.....	\$ 493 76	
Receiver-General.....	Superannuation tax.....	6 24	
			500 00
			744 77
	<i>Cape Sable.</i>		
Macdonald & Co.....	Machinists' supplies and repairs .....	108 00	
do .....	Bolts, nuts, Judson's governor, etc. ....	57 77	
Henry Carr.....	Repairing boiler .....	28 50	
W. A. Moir .....	Cylinder and piston rods.....	10 93	
Theakston & Angwin....	Shovel and scoop.....	2 50	
J. K. Doane .....	Repairs .....	14 50	
do .....	Freight and wharfage machinery.....	9 95	
do .....	8 cords of wood, at \$3.50 .....	28 00	
			280 15
	Carried forward.....		27,091 26

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$	cts.	\$	cts.
Brought forward.....				27,091	26
<b>FOG-WHISTLES—Continued.</b>					
<i>Cape &amp; Or.</i>					
Henry Elliott.....	Oil, truckages and freight.....		10 49		
do .....	12 cords wood, \$1.....		48 00		
Geo. E. Smith & Co.....	File, saw, halyards.....		1 35		
Macdonald & Co.....	Whistles, valve, gauge glasses.....		166 50		
Geo. K. Morris.....	Hauling 50 tons coal.....		45 00		
Reuben Spence.....	Repairing clock.....		1 00		
A. H. Rand.....	Salary, self and assistant.....	\$396	88		
Receiver-General.....	Superannuation tax.....		3 12		
			400 00		
Joseph Kirkpatrick.....	Salary, self and assistant.....		400 00		
				1,072	34.
<i>Cranberry Island.</i>					
Archibald & Co.....	100 tons coal, \$1.60.....		460 00		
Truro Foundry & Machine Co.....	Outfit and erecting alarm, repairing old alarm.....		1,393 76		
Geo. E. Smith & Co.....	Portable forge.....		33 00		
				1,886	76
<i>Cross Island.</i>					
Reuben Heisler.....	Teaming coal.....		10 80		
do .....	do oil and stores.....		22 50		
do .....	½ cord wood.....		1 50		
W. & A. Moir.....	Trip lever.....		23 07		
Macdonald & Co.....	Boiler tubes and plugs.....		4 80		
				62	67.
<i>Cranberry Head.</i>					
James McDonald.....	Repairing road.....		40 00		
Archibald & Co.....	Wharfage and storage machinery.....		12 50		
do .....	Oil, rubber, canvas.....		13 28		
do .....	Truckage, wharfage supplies.....		7 75		
Macdonald & Co.....	Machinists' supplies.....		35 42		
Wm. Devan.....	Inspecting erecting machinery.....		44 75		
H. R. McKenzie.....	Survey and plan land.....		26 00		
Robert Musgrave.....	Iron work.....		12 47		
John Taylor, jun.....	Wheelbarrow.....		4 50		
Geo. E. Smith & Co.....	Shovel, lantern, oil.....		16 25		
General Mining Ass'n.....	12½ tons coal.....		25 62		
John McKinnon.....	Carting coal.....		4 80		
Thos. Peck.....	Salary.....		186 30		
				429	64
<i>Digby.</i>					
W. E. Ellis.....	Repairs.....		16 69		
do .....	Hauling 50 tons coal, at 85c.....		42 50		
Geo. E. Corbett.....	Coal and cartage.....		74 20		
Joggins Coal Co.....	50 tons coal.....		97 50		
do .....	Ligherage coal.....		30 00		
				260	88.
<i>St. Paul's.</i>					
Archibald & Co.....	100 tons coal, \$1.60.....		160 00		
do .....	Trimming, 15c.....		15 00		
do .....	55 tons coal, \$5.50.....		302 50		
Theakston & Angwin.....	Portable forge.....		24 00		
	Carried forward.....		501 50	30,803	55.



STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$ cts.	\$ cts.
	Brought forward.....	501 50	30,803 55
<i>Fog-Whistles—Continued.</i>			
<i>St. Paul's—Concluded.</i>			
Henry Carr.....	Repairing boiler.....	78 00	
Macdonald & Co.....	Tubes, hire tube expander.....	48 55	
Robt. Muirhead.....	Salary.....	\$493 76	
Receiver-General.....	Superannuation tax.....	6 24	
		500 00	1,128 05
<i>Seal Island.</i>			
People's Bank.....	21 tons coal, \$6.....	126 00	
Wm. Robertson.....	2½ cords wood.....	7 50	
do.....	Hauling 145 tons coal, 75c.....	108 75	
Geo. E. Smith & Co.....	Nails, spikes, hinges.....	18 90	
J. Hogan & Sons.....	Shingles, lumber.....	176 87	
Jacob Bowser.....	Building reservoir.....	177 00	
Macdonald & Co.....	Tube brushes.....	7 50	
Halifax Banking Co.....	Hauling coal.....	18 75	
do.....	Teaming lumber, board carpenters.....	47 25	
People's Bank.....	30 tons coal, \$6.....	180 00	868 52
<i>Sambro.</i>			
John Smith.....	47 cords of wood, at \$6.....	282 00	
Symonds & Co.....	Condenser crank.....	85 35	
Mary Myatt.....	Conveyance do.....	12 00	
Theakston & Angwin.....	Shovels, rosin.....	3 90	
John Pegan.....	Freight coals.....	378 10	
do.....	Board, conveyance engineers.....	17 00	
Intercolonial Coal Co.....	182,247 tons coals, at \$2.80.....	529 34	
Mayor F. Fereday.....	Rent, 2 years.....	0 49	
Alfred Gilkie.....	Labour on coals.....	40 50	
do.....	Board engineers.....	4 00	
Geo. E. Smith & Co.....	Tube, brushes, brooms.....	5 40	
Macdonald & Co.....	Pump gear.....	12 25	
do.....	Winch, inspirator, etc.....	147 19	
Mich. Ouldfeld.....	Conveyance engineers and machinery.....	23 00	
Archd. Warner.....	Travelling expenses.....	4 00	1,544 52
<i>Scattarie.</i>			
Jacob Bowser.....	Building reservoir.....	313 35	
Archibald & Co.....	105 tons coals, at \$4.....	420 00	
Henry Carr.....	Repairing boiler.....	97 10	
Chas. Archibald.....	Conveyance boiler makers.....	8 00	
John Stairs & Co.....	Plate iron, bolts, nuts.....	21 00	
Starr Manufacturing Co.....	Bolts and nuts.....	2 20	
W. & A. Moir.....	Steam chest.....	19 66	
J. W. Brown.....	Labour landing timber and lumber.....	12 30	
do.....	Board and conveyance boiler makers.....	39 75	933 36
<i>Shelburne.</i>			
A. & W. Smith.....	Freight of coal.....	240 00	
Intercolonial Coal Co.....	79½ tons of coal, at \$2.80.....	223 44	
F. Demings.....	Teaming coal.....	80 00	
Macdonald & Co.....	Steam cock, packing, bolts and plates.....	10 80	554 24
	Carried forward.....		35,832 24

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$ cts.	\$ Fcts.
Brought forward .....			35,832 24
<b>Fog-Whistles—Concluded.</b>			
<i>Yarmouth.</i>			
Burrell, Johnson & Co ...	Repairing and hire of boiler .....	736 33	
Thos. Doane .....	Board boiler makers .....	120 00	
Geo. E. Smith & Co. ....	Shovel, saw, etc .....	1 75	
Macdonald & Co .....	Pipe, tongs, tube, brushes .....	23 75	
do .....	Steam whistle .....	65 00	
J. H. Doane .....	Hauling and trimming coal .....	44 50	
John Sweeney .....	15 cords of wood, at \$4 .....	60 00	
Joggins Coal Co. ....	80 tons of coals, at \$1.95 .....	156 00	
do .....	Lighterage, coal, at 60 cts .....	48 00	
			1,255 33
<b>LIGHTHOUSES.</b>			
<i>Superintendent.</i>			
O. A. Hutchins .....	Travelling expenses .....	489 70	
do .....	12 months salary as Keeper .....	\$1,176 00	
Receiver General .....	do superannuation tax .....	24 00	
			1,200 00
			1,689 70
<i>Amet Island.</i>			
J. McFarlane .....	Window, ladder .....	2 95	
do .....	12 months salary as Keeper .....	\$443 76	
Receiver General .....	do superannuation tax .....	6 24	
			450 00
			452 95
<i>Annapolis.</i>			
Starr Manufacturing Co..	Repairing reflectors .....	12 00	
W. E. Ellis. ....	Hauling oil and stores .....	8 00	
do .....	Stovepipe, mason work .....	24 55	
do .....	12 months salary as Keeper .....	\$795 00	
Receiver General .....	do superannuation tax .....	5 00	
			800 00
			844 55
<i>Apple River.</i>			
S. W. Tate .....	12 months salary as Keeper .....	190 00	
Adam McCollough .....	do .....	125 00	
			315 00
<i>Arichat.</i>			
Chris. de Coste .....	12 months salary as Keeper .....	\$246 38	
Receiver-General .....	do superannuation tax .....	3 12	
			250 00
			250 00
<i>Argyle.</i>			
H. H. Hamilton .....	Freight, chimneys .....	1 50	
do .....	Repairing boat .....	4 42	
do .....	12 months salary as Keeper .....	\$345 64	
Receiver-General .....	do superannuation tax .....	4 36	
			350 00
			355 92
<i>Abbott's Harbour.</i>			
Freeman D'Entremont ...	Oil, rope, etc. ....	1 68	
do .....	12 months salary as Keeper .....	20 00	
			21 68
Carried forward .....			41,017 37

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova-Scotia, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward.....			41,017	37
<b>LIGHTHOUSES—Continued.</b>					
<i>Advocate Harbour.</i>					
J. E. Wilson.....	Stovepipe and back.....		1 60		
Theakston & Angwin.....	Chain, lantern.....		2 60		
Geo. S. Livingstone.....	Building dam.....		10 00		
do	Labour removing lighthouse.....		145 39		
do	12 months salary as Keeper.....		200 00		
				359	59
<i>Barrington.</i>					
Geo. S. Snow.....	Freight and labour on supplies.....		22 50		
do	12 months salary as Keeper.....	\$345	00		
Receiver-General.....	do superannuation tax.....		5 00		
				350	00
				372	50
<i>Barrington Light Vessel.</i>					
J. E. Wilson.....	Galvanized iron.....		2 10		
John White.....	do pipe.....		3 00		
J. R. Kenney.....	Expenses on removing vessel.....		20 05		
do	Repairs, replacing on station.....		39 04		
do	12 months salary as Keeper.....	\$496	24		
Receiver-General.....	do superannuation tax.....		3 76		
				500	00
				564	19
<i>Beaver Island.</i>					
Macdonald & Co.....	Repairing circular burners.....		3 50		
John White.....	Stovepipe.....		3 50		
J. W. Hall.....	Repairs.....		90 10		
do	12 months salary as Keeper.....	\$395	00		
Receiver-General.....	do superannuation tax.....		5 00		
				400	00
				497	10
<i>Bird Island.</i>					
Geo. E. Smith & Co.....	Cut nails.....		3 25		
Bras d'Or Navigation Co	Freight.....		1 00		
J. Hogan & Sons.....	Cedar shingles.....		39 75		
E. Dauphinée.....	Freight supplies.....		6 50		
Angus Campbell.....	Painting, trucking supplies.....		30 00		
do	12 months salary as Keeper.....		400 00		
				480	50
<i>Black Rock.</i>					
Charles Bobinson.....	12 months salary as Keeper.....				
				330	00
<i>Black Rock Point.</i>					
D. Morrison.....	Repairing buildings and road.....		31 06		
do	12 months salary as Keeper.....	\$345	64		
Receiver-General.....	do superannuation tax.....		4 36		
				350	00
				381	06
<i>Boar's Head.</i>					
H. M. Ruggles.....	Repairing road.....		50 00		
do	12 months salary as Keeper.....	\$395	00		
Receiver-General.....	do superannuation tax.....		5 00		
				400	00
				450	00
	Carried forward.....			44,452	31

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$	cts.	\$	cts.
Brought forward .....				44,452	31
<b>LIGHTHOUSES—Continued.</b>					
<i>Briar Island.</i>					
Henry Watt .....	Staying lighthouse .....	60	00		
Theakston & Angwin .....	Wire rope .....	15	15		
Douglas Sutherland .....	Labour staying .....	8	00		
Chas. Pugh .....	Carting oil, labour staying .....	17	00		
E. R. Bailey .....	Splicing wire stays .....	5	00		
J. E. Bancroft .....	Board, labourers .....	2	00		
do .....	Repairing dwelling .....	46	23		
do .....	12 months salary as Keeper .....	400	00		
					553 38
<i>Burnt Coat.</i>					
Prescott Mosher .....	12 months salary as Keeper .....				250 00
<i>Bon Portage.</i>					
Jacob Bowser .....	Repairs .....	103	50		
Macdonald & Co. ....	Lamps .....	24	00		
John Hogan & Sons .....	Lumber and shingles .....	66	86		
A. J. Grant & Co. ....	Lead, nails, zinc .....	13	30		
William Wrayton .....	12 months salary as Keeper .....	\$345	64		
Receiver-General .....	do superannuation tax .....	4	36		
				350	00
					556 66
<i>Betty's Island.</i>					
P. Christian, sen .....	Carting oil .....	6	50		
do .....	12 months salary as Keeper .....	493	76		
Receiver-General .....	do superannuation tax .....	6	24		
					506 50
<i>Brooklyn Pier.</i>					
Fred. S. Gardner .....	12 months salary as Keeper .....				30 00
<i>Beaver Harbour Pole.</i>					
J. F. Anderson .....	Survey and plan land .....				26 00
<i>Canso Harbour.</i>					
Maurice & Kelley .....	Repairing chimney .....	18	80		
Lawrence Power .....	12 months salary as Keeper .....	\$197	52		
Receiver-General .....	do superannuation tax .....	2	48		
				200	00
					218 80
<i>Cape Canso.</i>					
A. N. Whitman .....	Room paper .....	2	50		
James Lepper .....	12 months salary as Keeper .....	865	00		
James Sullivan .....	do do .....	30	77		
					898 27
Carried forward .....				47,491	92

## STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued.

		\$	cts.	\$	cts.
		Brought forward .....		47,491 92	
<b>LIGHTHOUSES—Continued.</b>					
<i>Cape North.</i>					
John Hogan & Sons.....	Lumber, ladder.....	10	62		
John White.....	Stove pipe, elbows.....	2	00		
E. Dauphinee.....	Freight, supplies.....	1	90		
John McDonald.....	12 months salary as Keeper.....	400	00		414 52
<i>Cape George.</i>					
Theakston & Angwin....	Nails, spikes, lead.....	28	63		
D. McLeod.....	Freight, materials for repairs.....	35	00		
J. Hogan & Sons.....	Lumber.....	105	13		
Brookfield Bro:.....	Shingles, cement, lime.....	88	15		
John Murray.....	Boat.....	14	00		
do.....	Repairs.....	215	20		
do.....	12 months salary as Keeper.....	200	00		686 11
<i>Church Point.</i>					
Macdonald & Co. ....	Repairing burners.....	18	00		
J. H. Saulnier.....	12 months salary as Keeper.....	\$197	52		
Receiver-General.....	do superannuation tax.....	2	48		
		200 00		218 00	
<i>Cape Sable.</i>					
Macdonald & Co.....	Lamps and repairs.....	64	50		
J. K. Doane.....	Carting oil, stores.....	3	00		
do.....	12 months salary as Keeper.....	\$794	00		
Receiver-General.....	do superannuation tax.....	6	00		
		800 00		867 50	
<i>Cape St. George.</i>					
W. J. Condon.....	Painting, hauling stores.....	32	40		
do.....	12 months salary as Keeper.....	450	00		482 40
<i>Cape St. Mary's</i>					
Maturin Robichau.....	3 months salary as Keeper.....	41	14		
B. H. Robichau.....	Repairing buildings.....	35	76		
do.....	9 months salary as Keeper.....	320	84		397 74
<i>Cartier's Island.</i>					
J. W. Harding.....	Boat.....	20	00		
Geo. E. Smith & Co.....	Putty, metallic paint.....	2	22		
Robt. McDonald.....	Painting buildings and building boat landing.....	119	47		
do.....	12 months salary as Keeper.....	250	00		391 69
<i>Carribou Island.</i>					
Roderick McKenzie.....	12 months salary as Keeper.....	296	28		
Receiver-General.....	do superannuation tax.....	3	72		
		300 00		51,249 88	
		Carried forward.....		51,249 88	

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued.

		\$	cts.	\$	cts.
	Brought forward .....			51,249	88
<b>LIGHTHOUSES—Continued.</b>					
<i>Chester.</i>					
Uriah Young.....	Hauling oil .....		2 00		
do .....	12 months salary as Keeper .....		400 00		402 00
<i>Cheticamp.</i>					
P. Robin & Co....	Painting, repairs.....		26 04		
do .....	12 months salary as Keeper .....	\$196	28		
Receiver-General .....	do superannuation tax.....		3 72		
			300 00		326 04
<i>Creighton's Head.</i>					
Theakston & Angwin ...	Nails, spikes, paint .....		10 64		
J. Hogan & Sons.....	Lumber .....		5 27		
Peter Perior.....	Freight, supplies .....		12 00		
H. H. Crichton .....	Building oil store, trucking oil.....		28 67		
do .....	Painting stovepipe, trucking.....		14 57		
do .....	12 months salary as Keeper .....	\$197	52		
Receiver-General .....	do superannuation tax.....		2 48		
			200 00		271 15
<i>Chebucto Head.</i>					
Macdonald & Co .....	Repairing lamps and burners.....		5 30		
Theakston & Angwin ...	Pad locks .....		1 05		
R. H. Cogswell.....	Clock .....		7 50		
Edw. Johnson.....	Repairing road, timber .....		35 00		
do .....	Labour on oil .....		12 00		
do .....	12 months salary as Keeper .....	\$493	12		
Receiver-General .....	do superannuation tax.....		6 88		
			500 00		560 85
<i>Country Harbour.</i>					
Theakston & Angwin ...	Rope .....		17 69		
John P. Giffin.....	Freight, supplies .....		4 10		
S. H. Giffin.....	Repairs to lighthouse boat, hauling oil.....		37 29		
do .....	12 months salary as Keeper .....		400 00		459 07
<i>Cross Island.</i>					
Reuben Heisler,.....	Teaming supplies .....		4 00		
Geo. E. Smith.....	12 months salary as Keeper .....	\$794	28		
Receiver-General .....	do superannuation tax.....		5 72		
			800 00		804 00
<i>Cape Le Ronde.</i>					
Starr Manufacturing Co..	Repairing reflectors.....		14 00		
Chas. Latimer.....	Repairs, trucking stores .....		4 20		
do .....	12 months salary as Keeper .....	\$296	28		
Receiver-General .....	do superannuation tax.....		3 72		
			300 00		318 20
<i>Cow Bay Beacon.</i>					
N. L. Questle .....	Repairing lantern.....		6 50		
J. E. W. Taylor.....	Ruby glass .....		6 30		
Arch. McKinnon.....	Painting and tarring.....		5 53		
do .....	12 months salary as Keeper .....		70 00		88 33
	Carried forward .....			54,479	52.

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued.

		\$	cts.	\$	cts.
Brought forward.....				54,479	52
<b>LIGHTHOUSES—Continued.</b>					
<i>Croucher's Island.</i>					
A. Burchill.....	Repairing boat.....		2 00		
Geo Croucher.....	Fencing lighthouse lot.....		9 00		
do .....	12 months salary as Keeper.....		250 00		
					261 00
<i>Cape Sharp.</i>					
A. S. Townshend.....	Freight, lighting gear.....		1 76		
David Willigar.....	Boat and oars.....		29 50		
T. Holloway & Son.....	Blocks and strapping.....		12 30		
J. E. Wilson.....	Stove and pipe.....		5 75		
Geo. E. Smith & Co.....	Rope, lantern.....		6 90		
S. H. Phinney.....	Care of buildings.....		75 00		
J. H. Newcomb.....	Freight and hauling supplies.....		5 36		
T. O'Neil.....	Building landing and boat slip.....		98 00		
Robt. J. Ward.....	12 months salary as Keeper.....		168 01		
					402 58
<i>Carey's Point Pole.</i>					
James Carey.....	Salary as Keeper for season.....				46 66
<i>Crow Harbour.</i>					
John Ehler, 3rd.....	Painting.....		10 00		
do .....	12 months salary as Keeper.....		300 00		
					310 00
<i>Devil's Island.</i>					
Wm. Hennebury.....	Shingling dwelling.....		8 00		
Henry Watt.....	Labour, travelling expenses.....		13 75		
J. Hogan & Sons.....	Shingles and lumber.....		29 36		
R. H. Cogswell.....	Spy-glass.....		9 00		
Chas. Fulker.....	Building boat.....		20 00		
Geo. E. Smith & Co.....	Cotton, duck, rope.....		2 25		
John Smith.....	6 cords wood.....		30 00		
Wm. G. Fulker.....	Labour, painting.....		7 00		
do .....	12 months salary as Keeper.....		380 00		
					499 36
<i>De Bert Pole.</i>					
Rob. Wier.....	Salary as Keeper for season.....				25 00
<i>Digby Pier Pole.</i>					
Edwin C. Dodge.....	Labour, iron work.....				14 25
<i>Egg Island.</i>					
Macdonald & Co.....	Draft pipes.....		18 70		
do .....	Repairing clock machinery.....		46 90		
do .....	Smoke pipe and standard.....		3 75		
Theakston & Angwin.....	Rope.....		8 68		
John White.....	Stove fixings.....		6 25		
J. C. Wilson.....	Fire board.....		1 25		
Jacob Bowser.....	Repairing boat slip.....		65 30		
Carried forward.....				150 83	56,038 37

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia.—Continued.

		\$	cts.	\$	cts.			
		Brought forward .....		150	83	56,038	37	
<i>LIGHTHOUSES—Continued.</i>								
<i>Egg Island—Concluded.</i>								
Geo. E. Smith & Co .....	Iron and spikes .....		8	60				
J. Hogan & Sons .....	Lumber and cement .....		13	71				
Wm. Condon, jr. ....	Painting .....		35	00				
do .....	Board mechanics .....		18	85				
do .....	12 months salary as Keeper .....	\$493	76					
Receiver-General .....	do superannuation tax .....	6	24					
				500	00		726	99
<i>Economy Pole.</i>								
T. F. McKenzie .....	Erecting and maintenance .....		45	25				
Macdonald & Co .....	Repairing lantern .....		2	50				
							47	75
<i>Fish Island.</i>								
Thos. Doyle .....	Repairing store and boat house .....		19	08				
Joseph B. White .....	12 months salary as Keeper .....	\$276	52					
Receiver-General .....	do superannuation tax .....	3	48					
				280	00		299	08
<i>Flint Island.</i>								
Archibald & Co .....	10 tons coal .....		47	50				
do .....	Landing, taking down and erecting clock .....		15	50				
Macdonald & Co .....	Repairing clock .....		1	25				
William Helen .....	Repairing buildings .....		28	00				
do .....	12 months salary as Keeper .....		400	00				
							492	25
<i>Fort Point.</i>								
S. T. N. Sellon .....	12 months salary as Keeper .....		237	00				
Receiver-General .....	do superannuation tax .....		3	00				
							240	00
<i>Freestone Island Pole.</i>								
Lauchlin Morrison .....	Lining, painting, etc. ....		51	99				
do .....	Boat .....		15	00				
do .....	12 months salary as Keeper .....		150	00				
							216	99
<i>Grand Narrows.</i>								
Stephen McNeil .....	12 months salary as Keeper .....		118	52				
Receiver-General .....	do superannuation tax .....		1	48				
							120	00
<i>Green Island.</i>								
Macdonald & Co .....	Repairing machinery, etc. ....		65	61				
Wm. Duann .....	12 months salary as Keeper .....	\$493	76					
Receiver-General .....	do superannuation tax .....	6	24					
				500	00		535	61
<i>Gull Rock.</i>								
J. Hogan & Sons .....	Cement .....		2	00				
J. E. Wilson .....	Stove .....		12	00				
L. D. Orchard .....	12 months salary as Keeper .....	\$395	00					
Receiver-General .....	do superannuation tax .....	5	00					
				400	00		414	00
Carried forward .....							59,161	04



STATEMENT of Expenditure in connection with the Maintenance of Light-houses, For-Whistles, etc., in Nova Scotia—Continued.

		\$	cts.	\$	cts.
Brought forward .....				59,161	04
<i>LIGHTHOUSES—Continued.</i>					
<i>Guysborough.</i>					
Moses C. Scott.....	12 months salary as Keeper .....			220	00
<i>Georges Island.</i>					
J. Hogan & Sons.....	Spruce lumber .....		7 72		
John White.....	Stove fittings .....		5 50		
Robert Ross.....	12 months salary as Keeper.....		200 00		
				213	22
<i>Guyon Island.</i>					
Archibald & Co.....	10 tons coal.....		47 50		
R. H. Cogswell.....	Repairing timepiece.....		1 25		
R. B. Winton.....	12 months salary as Keeper .....	\$444	40		
Receiver-General.....	do superannuation tax .....		5 60		
			450 00		
				498	75
<i>Grandique Pole.</i>					
Daniel Clough.....	12 months salary as Keeper .....			60	00
<i>Green Cove.</i>					
Alfred Perry.....	Oil.....		11 57		
Macdonald & Co.....	Repairing and altering lamps.....		8 50		
Walter Sallows.....	12 months salary as Keeper.....		60 00		
				80	07
<i>Glasgow Point Pole.</i>					
Charles Forrest.....	12 months salary as Keeper .....			60	00
<i>Horton Bluff.</i>					
S. M. Rathbun .....	Freight, truckage, stores .....		4 58		
do .....	12 months salary as Keeper.....	\$246	88		
Receiver-General.....	do superannuation tax.....		3 12		
			250 00		
				254	58
<i>Harbour au Buche.</i>					
W. J. Webb.....	Water casks, painting.....		11 25		
do .....	12 months salary as Keeper.....	\$246	88		
Receiver-General .....	do superannuation tax.....		3 12		
			250 00		
				261	25
<i>Hubbard's Cove.</i>					
Macdonald & Co.....	Altering lamps, burners.....		3 06		
Baldwin & Co.....	Duplex burners and collar.....		2 10		
Joseph Coolin jr.....	12 months salary as Keeper.....		250 00		
				255	16
<i>Herring Cove Pole.</i>					
Wallace Graham.....	Professional services in <i>re land</i> .....		48 18		
Thos. Hayes.....	Hauling supplies.....		2 00		
do .....	12 months salary as Keeper.....		100 00		
				150	18
	Carried forward.....			61,194	25

STATEMENT of Expenditure in connection with the Maintenance of Liget-houses, Fog-Whistles, etc., in Nova Scotia—Continued.

		\$ cts.	\$ cts.
	Brought forward .....		61,194 25
<i>LIGHTHOUSES—Continued.</i>			
<i>Isle aux Haut.</i>			
Nelson Card .....	Hauling supplies .....	25 00	
do .....	Repairing barn .....	10 00	
do .....	Repairing lighthouse .....	18 10	
do .....	12 months salary as Keeper.....	\$495 00	
Receiver-General .....	do superannuation tax .....	5 00	
		500 00	553 10
<i>Ingonish.</i>			
John McNab .....	Hauling stores, repairing tank .....	8 00	
L. McDougall .....	12 months salary as Keeper .....	\$414 76	
Receiver-General .....	do superannuation tax.....	5 24	
		420 00	428 00
<i>Ironbound.</i>			
J. E. M. Taylor .....	Room paper .....	3 00	
James Fraser.....	Repairs .....	40 02	
John Hogan & Sons.....	Cement.....	6 50	
Enos Wolf.....	Repairing well, ladder, etc.....	27 22	
do .....	12 months salary as Keeper.....	\$355 52	
Receiver-General .....	do do .....	4 48	
		360 00	436 74
<i>Ingonish Harbour.</i>			
I. C. Railway.....	Freight, lantern, etc.....	18 53	
Theakston & Angwin.....	Brooms, lantern .....	1 85	
J. D. Fader.....	Freight supplies .....	2 16	
Thos. Donovan sr.....	Salary as Keeper .....	38 50	
		61 03	61 03
<i>Isaacs Harbour.</i>			
Macdonald & Co.....	Repairing lamps, fountains, etc .....	27 60	
C. W. Bigsby.....	Painting, labor on supplies .....	15 00	
do .....	12 months salary as Keeper .....	\$197 52	
Receiver-General .....	do superannuation tax .....	2 48	
		200 00	242 60
<i>Jerseyman's Island.</i>			
Geo. Vigneau .....	Chimney, painting .....	49 18	
do .....	12 months salary as Keeper .....	300 00	
		349 18	349 18
<i>Jeddore Rock.</i>			
Theakston & Angwin ...	Rope, nails, spikes .....	23 58	
J. W. Mitchell.....	Building boat house, etc.....	71 08	
do .....	12 months salary as Keeper.....	400 00	
		494 66	494 66
<i>Jérôme Point.</i>			
J. D. Matheson.....	Fitting storm windows.....	5 85	
do .....	12 months salary as Keeper .....	250 00	
		255 85	255 85
	Carried forward.....		63,035 31

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$	cts.	\$	cts.
	Brought forward .....			63,035	31
<b>LIGHTHOUSES—Continued.</b>					
<i>Kingsport.</i>					
J. E. M. Taylor.....	Glass .....		2 50		
W. F. Phipps .....	Repairs, freight, supplies.....		7 35		
do .....	12 months salary as Keeper.....		80 00		
					89 85
<i>Kidston's Island.</i>					
J. E. M. Taylor .....	Glass and cutting.....		8 75		
D. McRae.....	Painting buildings .....		10 00		
do .....	12 months salary as Keeper.....	\$197	52		
Receiver-General.....	do superannuation tax.....		2 48		
			200 00		
					218 75
<i>King's Head.</i>					
Colin McDonald.....	Drain, sluice, etc.....		6 00		
do .....	12 months salary as Keeper.....		200 00		
					206 00
<i>Little Hope.</i>					
Henry Watt.....	Repairing breakwater.....		143 00		
James Millard .....	do .....		498 00		
Theakston & Angwin.....	Brace, bits, hinges.....		5 70		
J. R. Gordon.....	Refitting medicine chest .....		10 60		
W. A. McDonald.....	Repairing boat and landing .....		20 00		
Alex. McDonald.....	Board carpenters .....		3 50		
do .....	Outside doors, windows, etc .....		30 00		
do .....	12 months salary as Keeper .....	\$493	76		
Receiver-General.....	do superannuation tax .....		6 2½		
			500 00		
					1,208 80
<i>Lingan Head.</i>					
Power & Co.....	Copper, coal, spindle, bars.....		7 75		
James Quinn.....	Painting, hauling oil .....		22 00		
do .....	12 months salary as Keeper .....	\$197	52		
Receiver-General.....	do superannuation tax .....		2 48		
			200 00		
					229 75
<i>Liscombe.</i>					
Seth Crooks.....	Boat .....		20 00		
do .....	12 months salary as Keeper .....	\$345	64		
Receiver-General.....	do superannuation tax .....		4 36		
			350 00		
					370 00
<i>Liverpool.</i>					
O. M. Firth.....	Freight, hauling oil .....		5 30		
do .....	12 months salary as Keeper .....	\$345	64		
Receiver-General.....	do superannuation tax.....		4 36		
			350 00		
A. J. Grant & Co. ....	Metallic paint, brushes.....A. ....		4 15		
					359 45
<i>Louisburg.</i>					
L. Kavanagh.....	12 months salary as Keeper .....				460 00
	Carried forward.....				67,178 01

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$	cts.	\$	cts.
Brought forward .....				67,178	01
<i>LIGHTHOUSES - Continued.</i>					
<i>Low Point.</i>					
Archibald & Co.....	Freight, storage, supplies .....		2 80		
John G. Peters .....	Truckage supplies .....		2 00		
do .....	Repairs .....		36 55		
do .....	12 months salary as Keeper .....	\$454	28		
Receiver-General.....	do superannuation tax .....		5 72		
			460 00		501 35
<i>Lunenburg.</i>					
John A. Ernst.....	12 months salary as Keeper .....		296 28		
Receiver-General.....	do superannuation tax .....		3 72		
					300 00
<i>La Have.</i>					
W. Howard Palmer.....	12 months salary as Keeper .....		197 52		
Receiver-General. ....	do superannuation tax.....		2 48		
					200 00
<i>Little Narrows.</i>					
John Ferguson.....	Painting, freight, etc .....		19 10		
do .....	12 months salary as Keeper .....	\$118	52		
Receiver-General.....	do superannuation tax .....		1 48		
			120 00		139 10
<i>Little Dyke Pole.</i>					
Thomas J. Brown. ....	12 months salary as Keeper .....				20 00
<i>Main-à-Dieu.</i>					
John Hogan & Sons.....	Lumber and shingles .....		29 99		
James Burke.....	Painting buildings.....		25 00		
do .....	12 months salary as Keeper .....	\$296	28		
Receiver-General.....	do superannuation tax.....		3 72		
			300 06		354 99
<i>Margaretsville.</i>					
William Early.....	6 months salary as Keeper .....	\$113	56		
Receiver-General. ....	do superannuation tax.....		1 44		
			115 00		
John Early.....	Painting, making road.....		14 80		
do .....	6 months salary as Keeper.....		115 00		
					244 80
<i>Margaret's Bay.</i>					
Albert Pearl .....	Repairs, hauling oil.....		8 00		
do .....	12 months salary as Keeper .....	\$493	76		
Receiver-General.....	do superannuation tax .....		6 24		
			500 00		508 00
<i>Margaree.</i>					
Macdonald & Co.....	Brass hinges .....		2 50		
J. C. McFarlane .....	Building boat house, repairing boat.....		89 91		
do .....	12 months salary as Keeper.....		400 00		
					492 41
Carried forward .....				69,938	66

STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$	cts.	\$	cts.
		Brought forward.....		69,938 66	
<b>LIGHTHOUSES—Continued.</b>					
<i>Mahone Bay.</i>					
Abram Zinck.....	Labour on oil, repairing lamps, etc.....		10 00		
do .....	12 months salary as Keeper.....	\$296 28			
Receiver-General.....	do superannuation tax.....	3 72			
			300 00		310 00
<i>McKenzie's Point.</i>					
Starr Manufacturing Co..	Repairing reflectors.....		5 50		
D. J. McKay.....	Trucking supplies, etc.....		3 00		
do .....	12 months salary as Keeper.....	\$158 00			
Receiver-General.....	do superannuation tax.....	2 00			
			160 00		168 50
<i>McNeils Beach Pole.</i>					
Lauchlin McNeil .....	12 months salary as Keeper.....				60 00
<i>Meagher's Beach.</i>					
Henry Watt .....	Repairing breakwater.....		43 50		
John Hogan & Sons.....	Lumber and timber.....		17 99		
Theakston & Angwin.....	Spikes.....		3 50		
Brookfield Bros.....	Spruce timber.....		6 45		
R. H. Cogswell.....	Clock.....		7 50		
Macdonald & Co.....	Repairing springs fog bell.....		2 25		
John Smith.....	20 cords wood at \$5.....		100 00		
Geo. E. Smith & Co.....	-pikes.....		6 00		
Edw. Horne .....	Repairing breakwater.....		158 84		
do .....	Freight, oil and empty packages.....		3 50		
do .....	12 months salary as Keeper.....	\$495 00			
Receiver-General.....	do superannuation tax.....	5 00			
			500 00		849 53
<i>Moser's Island.</i>					
Saml. Moser .....	Repairing road.....		10 00		
do .....	12 months salary as Keeper.....		350 00		
					360 00
<i>Mullin's Point.</i>					
Zebud Mullins .....	Trucking supplies, repairing clock.....		3 00		
do .....	12 months salary as Keeper.....	\$246 88			
Receiver-General.....	do superannuation tax.....	3 12			
			250 00		253 00
<i>Meteghan.</i>					
L. C. Comeau .....	12 months salary as Keeper.....				100 00
<i>Margaree Harbour.</i>					
Alex. McFarlane.....	12 months salary as Keeper.....				60 00
<i>Mabou Range.</i>					
Allen McLean .....	Rope, repairing lantern.....		2 89		
do .....	Freight and truckage supplies.....		2 95		
do .....	12 months salary as Keeper.....		50 00		
John McDonald.....	do do.....		70 00		
					125 84
Carried forward.....					72,225 53

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$ cts.	\$ cts.
Brought forward.....			72,225 53
<b>LIGHTHOUSES—Continued.</b>			
<i>Marjorie's Isle Pole.</i>			
Norman McDonald.....	12 months salary as Keeper .....		80 00
<i>Negro Island.</i>			
Intercolonial Railway....	Freight, lantern .....	37 26	
E. Chanteloup.....	Lantern, lamps, etc .....	682 76	
L. C. Barney .....	Plate glass .....	81 85	
Geo. Dechamp.....	Contract for new lighthouse .....	975 00	
do .....	Extras .....	46 72	
J. E. Wilson.....	Stovepipe .....	7 50	
James McKinnon .....	Iron work .....	1 00	
do .....	12 months salary as Keeper .....	\$296 28	
Receiver-General .....	do superannuation tax .....	3 72	
		300 00	
James McKinnon.....	Painting .....	19 00	
			2,142 09
<i>North Canso.</i>			
Robie McKay.....	Freight supplies .....	5 00	
do .....	Trucking, repairing road and landing .....	24 85	
do .....	12 months salary as Keeper .....	\$345 00	
Receiver-General .....	do superannuation tax .....	5 00	
		350 00	
			379 85
<i>Ouetique Island.</i>			
Cyril Sampson .....	12 months salary as Keeper .....	345 64	
Receiver-General.....	do superannuation tax .....	4 36	
			350 00
<i>Pease's Island.</i>			
Hart Murray.....	Shingles and lumber .....	114 25	
Theakston & Angwin .....	Tarred paper, nails .....	12 64	
Thomas Baker.....	12 months salary as Keeper .....	\$345 64	
Receiver-General .....	do superannuation tax .....	4 36	
		350 00	
			476 89
<i>Parrsboro.</i>			
H. W. Davison .....	Wall paper .....	5 81	
J. H. Newcomb.....	Hauling supplies .....	2 50	
do .....	Repairing breakwater .....	15 62	
do .....	12 months salary as Keeper .....	\$335 76	
Receiver-General .....	do superannuation tax.....	4 24	
		340 00	
			363 93
<i>Peggy's Point.</i>			
Henry Watt .....	Travelling expenses .....	20 50	
J. E. M. Taylor.....	Cutting glass .....	1 25	
George Swinehammer....	12 months salary as Keeper .....	350 00	
			371 75
<i>Pictou.</i>			
McQueen & Sproule.....	Amount contract building breakwater.....	1,820 00	
Geo. E. Smith & Co.....	Tacks, paint, brushes .....	1 08	
Wm. Ross .....	Labour, flag staff and hinges .....	9 15	
		1,830 23	
	Carried forward.....		76,390 04

**STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued.**

		\$ cts.	\$ cts.
Brought forward .....		1,830 23	76,390 04
<b>LIGHTHOUSES—Continued.</b>			
<i>Pictou—Concluded.</i>			
Wm. Ross .....	Inspecting breakwater .....	25 00	
do .....	12 months salary as Keeper .....	400 00	
			2,255 23
<i>Pictou Island.</i>			
J. E. M. Taylor .....	Glass .....	13 20	
James W. Hogg .....	Addition to dwelling .....	106 55	
do .....	12 months salary as Keeper .....	\$395 00	
Receiver-General .....	do superannuation tax .....	5 00	
		400 00	
			519 75
<i>Pictou Custom House.</i>			
Pictou Gas Works .....	Gas, 1 year .....	150 00	
Geo. McLeod .....	12 months salary as Keeper .....	75 00	
			225 00
<i>Pomquet Island.</i>			
O. A. Ohisholm .....	12 months salary as Keeper .....	345 64	
Receiver-General .....	do superannuation tax .....	4 36	
			350 00
<i>Point Tupper.</i>			
James McDonald .....	Painting buildings .....	25 00	
do .....	12 months salary as Keeper .....	\$246 88	
Receiver-General .....	do superannuation tax .....	3 12	
		250 00	
			275 00
<i>Port Hood.</i>			
J. Allan McDonald .....	12 months salary as Keeper .....	276 52	
Receiver-General .....	do superannuation tax .....	3 48	
			280 00
<i>Port L'Etect.</i>			
Joseph H. McDonald .....	12 months salary as Keeper .....	148 12	
Receiver-General .....	do superannuation tax .....	1 88	
			150 00
<i>Port Medway.</i>			
Macdonald & Co. ....	Repairing lamps and burners .....	2 50	
Elson Perry .....	12 months salary as Keeper .....	\$256 76	
Receiver-General .....	do superannuation tax .....	3 24	
		260 00	
			262 50
<i>Port Mouton.</i>			
Robt. J. Smith .....	Painting buildings, repairing landing and wharf...	62 24	
do .....	12 months salary as Keeper .....	\$296 28	
Receiver-General .....	do superannuation tax .....	3 72	
		300 00	
			362 24
<i>Port Williams.</i>			
James M. Dunn .....	12 months salary as Keeper .....	256 76	
Receiver-General .....	do superannuation tax .....	3 24	
			260 00
Carried forward .....			81,329 76

## STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued.

		\$	cts.	\$	cts.
		Brought forward.....			81,329 76
<b>LIGHTHOUSES—Continued.</b>					
<i>Pubnico.</i>					
Maturin Amero.....	Repairs.....		17 19		
do .....	Cement, door, etc.....		6 90		
do .....	12 months salary as Keeper.....	\$237 00			
Receiver-General.....	do superannuation tax.....	3 00			
			240 00		264 09
<i>Pugwash.</i>					
Angus Beaton.....	Freight, repairs, repairing fence, pointing foundation.....		10 43		
do .....	12 months salary as Keeper.....	\$296 28			
Receiver-General.....	do superannuation tax.....	3 72			
			300 00		310 43
<i>Point Aconi.</i>					
Geo. Bonner.....	Building road, painting.....		42 00		
do .....	12 months salary as Keeper.....	\$148 12			
Receiver-General.....	do superannuation tax.....	1 88			
			150 00		192 00
<i>Petit de Grat.</i>					
D. P. Bouchie.....	12 months salary as Keeper.....				200 00
<i>Pope's Harbour.</i>					
Macdonald & Co.....	Repairing lamps and burners.....		29 55		
Theakston & Angwin .....	Canvas, tacks, paint.....		15 08		
Jacob Bowser.....	Repairs.....		75 43		
James Bollong.....	Repairs, painting.....		29 00		
do .....	12 months salary as Keeper.....	\$296 28			
Receiver-General.....	do superannuation tax.....	3 72			
			300 00		449 06
<i>Piper's Cove.</i>					
Edw. A. McNeil.....	12 months salary as Keeper.....				100 00
<i>Port au Pique Pole.</i>					
Macdonald & Co.....	Refitting lantern.....		2 50		
Jehial Carr.....	12 months salary as Keeper.....		25 00		
					27 50
<i>Quaker's Island.</i>					
Wm. Whalen.....	Repairs.....		2 88		
do .....	12 months salary as Keeper.....		300 00		
					302 88
<i>Sambro.</i>					
John Smith.....	69 cords wood at \$6.....		414 00		
John Fagan.....	Freight, oil and stores.....		48 55		
Alex. Gilkie.....	Boat.....		25 00		
Alfred Gilkie.....	Oars.....		8 00		
Alex. Gilkie.....	12 months salary as Keeper.....	\$995 00			
Receiver-General.....	do superannuation tax.....	5 00			
			1,000 00		
					1,495 55
Carried forward.....					84,671 27



STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued.

		\$ cts	\$ cts.
Brought forward .....			84,671 27
<i>LIGHTHOUSES—Continued.</i>			
<i>Sund Point.</i>			
Joseph Mundell.....	12 months salary as Keeper .....	395 00	
Receiver-General.....	do superannuation tax.....	5 00	
			400 00
<i>Scatterie.</i>			
John Pope.....	Freight, building material.....	50 00	
J. Dempster & Co. ....	Rollers for boat house .....	19 50	
Jacob Bowser.....	Repairing dwelling, light and boat house.....	558 17	
J. Holloway & Son.....	Blocks and strapping.....	6 80	
Geo. E. Smith & Co.....	Manilla rope .....	8 40	
James W. Brown.....	Labour, landing lumber.....	5 80	
do .....	Painting buildings.....	25 00	
do .....	12 months salary as Keeper .....	\$793 76	
Receiver-General .....	do superannuation tax.....	6 24	
			800 00
			1,473 67
<i>Seal Island.</i>			
Halifax Banking Co. ....	Materials for boat landing .....	25 70	
J. Belfontain .....	Bricks.....	40 00	
Jacob Bowser.....	Account, repairs.....	75 00	
J. Hogan & Sons.....	Timber, lumber, shingles, etc .....	607 35	
Geo. E. Smith & Co.....	Nails, spikes, etc.....	72 19	
Corning Crowell.....	12 months salary as Keeper .....	\$793 76	
Receiver-General .....	do superannuation tax.....	6 24	
			800 00
			1,620 24
<i>Stoddart's Harbour.</i>			
Jacob Bowser .....	Repairing buildings.....	279 42	
Theakston & Angwin....	Sheet lead .....	14 82	
Macdonald & Co.....	Repairing cowl, screws .....	15 06	
J. Hogan & Sons.....	Lumber, shingles, etc.....	84 85	
A. M. Wrayton .....	12 months salary as Keeper.....	\$148 12	
Receiver-General.....	do superannuation tax.....	1 88	
			150 00
			544 15
<i>Shelburne.</i>			
John Williams .....	Dorey.....	14 80	
Francis Demings.....	Teaming supplies .....	8 00	
do .....	12 months salary as Keeper.....	\$795 00	
Receiver-General.....	do superannuation tax.....	5 00	
			800 00
			822 80
<i>Shelburne Harbour.</i>			
Geo. E. Smith & Co. ....	Rope.....	1 98	
Edward Goodick.....	Placing brush and stone at pier.....	12 00	
do .....	12 months salary as Keeper.....	\$246 88	
Receiver-General.....	do superannuation tax.....	3 12	
			250 00
			263 98
<i>Spencer's Point.</i>			
R. A. Spencer.....	Freight, supplies .....	4 00	
do .....	12 months salary as Keeper .....	125 00	
			129 00
Carried forward .....			89,925 11

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc , in Nova Scotia—*Continued*

		\$ cts.	\$ cts.
Brought forward.....			89,925 11
<b>LIGHTHOUSES—Continued.</b>			
<i>Shajner's Point.</i>			
Geo. E. Smith & Co.....	Zinck, nails.....	1 08	
J. K. Healy.....	12 months salary as Keeper.....	150 00	151 08.
<i>St. Ann's.</i>			
Macdonald & Co.....	Altering and repairing burners.....	3 50	
A. B. Morrison.....	Boat, painting buildings.....	29 50	
do .....	Blinds, canvas .....	2 94	
do .....	12 months salary as Keeper.....	\$138 24	
Receiver-General.....	do superannuation tax.....	1 76	
		140 00	175 92
<i>Sheet Harbour.</i>			
Angus McMaster .....	Labor repairing.....	16 40	
David Drake.....	do .....	29 90	
Wm. Routledge.....	do .....	38 60	
John McPhail.....	do .....	33 85	
Aaron Rood.....	do .....	35 10	
A. F. Smith.....	Freight, materials for repairs.....	15 93	
Geo. E. Smith & Co .....	Nails, spikes, canvas.....	51 91	
Macdonald & Co.....	Screws.....	1 10	
John White.....	Zinc shingles, caps.....	16 20	
John Perry.....	Board, carpenters.....	73 00	
do .....	12 months salary as Keeper.....	\$495 00	
Receiver-General.....	do superannuation tax .....	5 00	
		500 00	811 99
<i>Sydney Bar.</i>			
Macdonald & Co.....	Repairing reflectors.....	1 50	
Archibald & Co.....	Freight, supplies.....	1 00	
Geo. Nunn.....	Repairs.....	29 48	
do .....	12 months salary as Keeper.....	\$246 88	
Receiver-General.....	do superannuation tax.....	3 12	
		250 00	281 98
<i>Sissiboo.</i>			
B. Amero.....	12 months salary as Keeper .....	197 52	
Receiver-General.....	do superannuation tax.....	2 48	
			200 00
<i>Sable Island.</i>			
Macdonald & Co.....	Repairing burners .....	1 80	
do .....	Ventilators, repairing lamps.....	20 20	
			22 00
<i>St. Paul's.</i>			
Doull Miller.....	Bed tick holland's .....	24 48	
J. E. Wilson.....	Stoves, lantern globe.....	43 05	
			67 53
Carried forward.....			91,635 61

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$ cts.	\$ cts.
Brought forward .....			91,635 61
<b>LIGHTHOUSES—Continued.</b>			
<i>St. Esprit.</i>			
Archibald & Co .....	10 tons coal .....	47 50	
Angus McLeod .....	12 months salary as Keeper .....	\$395 00	
Receiver-General .....	do superannuation tax .....	5 00	
		400 00	447 50
<i>Seal Island Pole.</i>			
Docite Sampson .....	Boat .....	11 00	
Simon Joyce .....	12 months salary as Keeper .....	80 00	
			91 00
<i>South East Beaver Isle Pole.</i>			
James D. Corbett .....	12 months salary as Keeper .....		80 00
<i>Tor Bay.</i>			
Dennis Gerroir .....	Painting .....	20 00	
do .....	Labour on road .....	50 00	
do .....	12 months salary as Keeper .....	\$246 88	
Receiver-General .....	do superannuation tax .....	3 12	
		250 00	320 00
<i>Three Top Island.</i>			
Theakston & Angwin .....	Rope, paint .....	11 94	
W. L. Munroe .....	Painting .....	20 00	
do .....	12 months salary as Keeper .....	\$296 28	
Receiver-General .....	do superannuation tax .....	3 72	
		300 00	331 94
<i>Terrence Bay Pole.</i>			
G. E. Smith .....	Iron for lantern rods .....	2 05	
Macdonald & Co .....	Repairing lamps, lantern .....	7 10	
Wm. Yeadon .....	Placing lantern rods .....	3 00	
Peter Jollimore .....	12 months salary as Keeper .....	100 00	
			112 15
<i>Walton Harbour.</i>			
Geo. Godfrey .....	Hauling supplies .....	1 25	
A. McN. Parker .....	Painting .....	6 00	
do .....	12 months salary as Keeper .....	125 00	
			132 25
<i>Westport.</i>			
R. D. Suthern .....	Lanterns for ventilators .....	71 78	
do .....	12 months salary as Keeper .....	\$296 28	
Receiver-General .....	do superannuation tax .....	3 72	
		300 00	371 78
<i>Whitehead.</i>			
J. Hogan & Sons .....	Lime, lumber, shingles .....	22 02	
G. D. Tanner .....	Freight supplies .....	3 00	
James Dempster & Co .....	Window sashes .....	3 75	
Carried forward .....		28 77	93,522 23

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$	cts.	\$	cts.
		Brought forward.....		28	77
		LIGHTHOUSES— <i>Concluded.</i>			
		<i>Whitehead—Concluded.</i>			
Geo. E. Smith.....	Paint, hinges, screws .....		3 75		
Macdonald & Co.....	Burners, repairing lamps .....		28 50		
do .....	Repairing founts and burners .....		3 90		
do .....	do clock, machinery .....		8 50		
John White.....	Stovepipe .....		14 00		
James P. Dillon.....	Repairs .....		57 20		
do .....	12 months salary as Keeper .....	\$503	64		
Receiver-General.....	do superannuation tax .....		6 36		
			510 00		654 62
		<i>Wedge Island.</i>			
Percey Burns.....	12 months salary as Keeper .....				400 00
		<i>Westhaver's Isle.</i>			
J. E. Wilson.....	Stovepipe .....		9 86		
Baldwin & Co.....	Duplex burners .....		4 00		
J. Peter Strum.....	Repairs, painting .....		31 10		
do .....	Building boat house .....		55 00		
do .....	Repairing clock .....		1 85		
do .....	12 months salary as Keeper .....		300 00		
					401 81
		<i>Whycocomagh Pole.</i>			
Murdoch Matheson.....	12 months salary as Keeper .....				60 00
		<i>Yarmouth</i>			
Geo. E. Smith & Co.....	Putty and zinc .....		3 73		
Edw. Sweeney.....	Hauling supplies .....		2 00		
Middleton Turner.....	Screw for lantern .....		3 50		
Wallace Graham.....	Professional services in <i>re</i> land .....		59 50		
T. C. Redding.....	Repairs .....		6 70		
W. H. Kenney.....	Repairs, building fence .....		203 65		
J. H. Doane.....	12 months salary as Keeper .....	\$784	00		
Receiver-General.....	do superannuation tax .....		16 00		
			800 00		1,079 08
		<i>Yarmouth Harbour.</i>			
Joshua Doane.....	Barrels, blocks, rope, oars .....		16 05		
do .....	12 months salary as Keeper .....	\$375	64		
Receiver-General.....	do superannuation tax .....		4 36		
			380 00		396 05
					96,513 79
		BUOYS AND BEACONS.			
		<i>Advocate Harbour.</i>			
Geo. S. Livingstone.....	5 spar buoys.....		45 00		
do .....	Laying and raising buoys and moorings.....		25 00		
					70 00
		Carried forward.....			70 00

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$ cts.	\$ cts.
	Brought forward.....		70 00
	<b>BUOYS AND BEACONS—Continued.</b>		
	<i>Avon River.</i>		
<b>E. Davison</b> .....	Lifting buoys and moorings, 1886; laying buoys and moorings, spring 1887.....	100 00	
do .....	Chain and iron work.....	8 20	
do .....	Scraping, cleaning, painting.....	3 75	
do .....	Paint brush, 25c; pilot, placing, \$3.....	3 25	
			115 20
	<i>Arichat.</i>		
<b>Simon Bouchie</b> .....	Amount contract, 1 year.....		233 33
	<i>Bras d'Or.</i>		
<b>Hon. W. Ross</b> .....	Lifting Lime Rock, Little Island and Carey's Shoal buoys.....	56 00	
<b>Arch. Smith</b> .....	Laying and lifting buoys and moorings Smith's Shoal.....	10 00	
<b>B. H. Morrison</b> .....	Placing and maintenance of spar buoy near Morrison's Harbour.....	12 00	
			78 00
	<i>Bear River.</i>		
<b>H. J. Hennigar</b> .....	Amount contract, 1886.....		55 00
	<i>Barrington.</i>		
<b>Dr. H. D. Wilson</b> .....	Medical attendance on Isaac Nickerson, injured while laying buoys.....	30 00	
<b>Andrew Malone</b> .....	Labour lifting and laying buoys and moorings.....	65 50	
do .....	Paint and oil, boat hire, buoy.....	14 37	
do .....	Buoy weights.....	10 00	
do .....	Iron, \$21.18; spar buoys, \$12.....	33 18	
do .....	Hire schooner.....	14 00	
<b>P. Walsh</b> .....	Hire vessel and winch lifting buoys and moorings..	26 50	
do .....	Hire vessel laying buoys and moorings.....	25 00	
do .....	Iron work, \$17; salvage, \$1.....	18 00	
do .....	Paint, painting, oil.....	9 00	
do .....	Labour lifting and laying buoys and moorings.....	65 00	
do .....	Chain.....	1 26	
	<i>Barrington Passage.</i>		
<b>Thos. L. Banks</b> .....	Labour lifting buoys and moorings.....	89 50	
do .....	Labour painting, cleaning and laying.....	105 50	
do .....	Hire schooner, \$44; 4 buoys, \$16.....	60 00	
do .....	Salvage on buoys, \$22; iron work, \$41.30.....	63 30	
	<i>Shag Harbour.</i>		
<b>Thos. L. Banks</b> .....	Labour laying buoys and moorings.....	24 50	
do .....	Hire schooner, \$8; iron work, \$35.25.....	43 25	
do .....	5 buoys, \$20; 5 stones, \$6.25.....	26 25	
<b>A. R. Greenwood</b> .....	Painting, changing and attending 12 buoys.....	54 00	
do .....	Replacing buoy, stone and chain.....	4 75	
<b>D. L. Ross</b> .....	Freight can buoy.....	4 00	
			786 86
	Carried forward.....		1,338 39

**STATEMENT of Expenditure in connection with the Maintenance of Light houses, Fog-Whistles, etc., in Nova Scotia—Continued.**

		\$ cts.	\$ cts.
Brought forward .....			1,338 39
<b>BUOYS AND BEACONS—Continued.</b>			
<i>Canso.</i>			
Geo. F. Oliver.....	Amount contract, 1 year.....	145 00	
J. J. Donahoe.....	Building beacon on Burying Island.....	20 37	
			165 37
<i>Cheticamp.</i>			
Chas. Doucett.....	Laying and taking up buoys and moorings, 1886 .....		45 00
<i>Descousse.</i>			
Joseph Langlois.....	Amount contract.....		18 00
<i>Digby.</i>			
Theakston & Angwin....	1,949 lbs. chain, at 3½c .....	68 22	
J. A. Hughes.....	Labour and hire vessel lifting buoys and moorings.....	88 87	
do .....	do do laying buoys and moorings, scraping and painting .....	89 68	
E. C. Dodge .....	Placing spar and cask buoy on sunken pier.....	20 00	
H. B. Short.....	Freight, buoy and chain.....	11 08	
			277 83
<i>Guysborough.</i>			
Moses C. Scott.....	Drills, iron, chain.....	7 00	
do .....	Placing and taking up buoys and moorings.....	40 00	
			47 00
<i>Halifax.</i>			
D. Waddell.....	Lifting and laying Point Pleasant buoys and moorings.....	30 00	
Lawson, Harrington & Co	Hire steam tug, searching for and laying Sisters Bell buoy, towing to wharf, etc .....	26 75	
do .....	Towing bell buoy and relaying at Sisters .....	49 00	
do .....	Services tug boat towing and placing bell buoy and moorings at Sisters.....	96 00	
Charles Martin.....	Salvage on bell buoy.....	25 00	
			236 75
<i>Hay Cove, C. B.</i>			
Peter McNeil.....	Amount contract, 1 year.....		43 00
<i>Ingonish (South Bay).</i>			
Frank C. Brine .....	Taking up and securing buoys.....	10 00	
do .....	Hire of vessel, labour laying buoys and moorings, painting, paint, etc.....	21 78	
			31 78
<i>Jauvrin's Harbour.</i>			
Chas. Delorey.....	Taking up and laying buoys and moorings, 1 year.....		30 00
Carried forward.....			2,233 12
		81	

**STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued.**

		\$ cts.	\$ cts.
Brought forward.....			2,233 12
<b>BUOYS AND BEACONS—Continued.</b>			
<i>Joggin's Bridge.</i>			
J. A. Hughes .....	Lifting buoys and moorings.....	2 00	
J. A. Gossett.....	3 spar buoys and making .....	4 00	
do .....	Iron work, \$2.13; laying buoys, \$5 50 .....	7 63	
			13 63
<i>Ketch Harbour.</i>			
E. MacKie.....	Placing and taking up 5 buoys and moorings . ....	30 00	
do .....	Lifting and painting Norris Point buoy.....	5 00	
do .....	Taking old buoy and placing new one.....	5 00	
			40 00
<i>Liverpool.</i>			
W. A. Kenney .....	Freight mooring stone.....	1 40	
do .....	Placing buoy, \$5; iron work, \$1 .....	6 00	
do .....	Picking up buoy .....	1 25	
			8 65
<i>Lockeport.</i>			
G. Cook.....	Repairing and mooring buoy .....	10 00	
J. McGuinn .....	Moving, re mooring 2 buoys and moorings. ....	25 00	
			35 00
<i>Louisburg.</i>			
P. O'Toole.....	1 new mooring stone.....	3 50	
do .....	Iron work, \$3; labour and boat hire, \$4.50.....	7 50	
do .....	Lifting and storing buoys and moorings .....	30 00	
do .....	Painting, iron work, boat hire and labour laying buoys and moorings .....	47 86	
			88 86
<i>La Have.</i>			
Geo. H. Zwicker.....	Recovering mooring stone and replacing buoy and moorings on French Rock .....	13 35	
do .....	Spar buoy, stone, iron work and laying buoys and moorings on Bull Shoal and Oxner's Rock.....	25 70	
			39 05
<i>Little Narrows.</i>			
Norman Matheson .....	Changing buoy.....	2 00	
do .....	Labour lifting buoys and moorings .....	6 50	
do .....	Storage, \$5; paint, painting, truckage, \$6.30.....	11 30	
do .....	Iron work, \$1.26; new buoy, \$9 .....	10 26	
do .....	Labour laying buoys and moorings.....	4 50	
			34 56
<i>Lunenburg.</i>			
Henry Lohnes .....	Placing and raising buoys and moorings, South Harbour .....	30 00	
do .....	Placing and raising buoys and moorings, Lohnes' Rock and Himmelman's reef .....	10 00	
Henry Conrod.....	Placing and raising buoys, Back South Harbour ...	30 00	
Reuben Heister .....	Taking up can and laying spar buoys and taking up spar and laying can buoys and moorings....	150 00	
			270 00
Carried forward.....		220 00	2,792 87

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$	cts.	\$	cts.
	Brought forward.....	220	00	2,792	87
<b>BUOYS AND BEACONS—Continued.</b>					
<i>Lunenburg—Concluded.</i>					
Reuben Heisler.....	Painting, \$2.50; iron work, \$2.70.....		5 20		
do.....	Drilling stones, \$3.50; salvage, \$2.60.....		5 10		
do.....	Dockage, wharfage, storage.....		8 00		
Martin Westhaver.....	Laying and taking up buoys and moorings, Martin's Brook.....		60 00		
do.....	1 new buoy.....		15 00		
				313	30
<i>Lennox Passage.</i>					
Martin Sampson.....	Amount contract.....			127	00
<i>L'Ardoise.</i>					
Geo. Burke.....	Taking up buoy and moorings.....		8 00		
do.....	Making spar buoy, iron work, stone, etc.....		9 00		
do.....	Placing buoys and moorings.....		15 00		
				32	00
<i>Merigomish.</i>					
Wm. Henderson.....	Amount contract, 1 year.....			50	00
<i>Mabou.</i>					
Finlay Rankin.....	Repairing, placing and attending buoys and moorings.....			63	00
<i>Mongolier Bay.</i>					
Lewis Dilorey.....	Lifting and placing buoys and moorings, 1 year, by agreement.....		90 00		
do.....	5 new beacons.....		5 00		
				95	00
<i>Mahone Bay.</i>					
James Mosher.....	Amount contract, 1 year.....			230	00
<i>Main à Dieu.</i>					
John Farrell.....	Taking up buoys and moorings.....		18 00		
do.....	Boat hire, \$6; rope, \$1.....		8 00		
do.....	Iron work, cleaning, painting, labour placing buoys and moorings.....		29 56		
				55	56
<i>Northport.</i>					
J. M. Burns.....	Spar buoy.....		2 50		
do.....	Labour, boat hire, replacing 3 buoys.....		5 50		
do.....	3 spar buoys, \$3; painting, \$1.....		5 00		
do.....	1 cask buoy and painting 3 cask buoys.....		3 00		
do.....	Chain and iron work \$16.50; stones and drilling \$3.....		19 50		
do.....	Labour and boat hire.....		8 00		
Robt. McClosky.....	Taking up harbour channel buoys and moorings.....		8 00		
				51	50
	Carried forward.....			3,510	23



STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$	cts.	\$	cts.
		Brought forward.....			3,510 23
<b>BUOYS AND BEACONS—Continued.</b>					
<i>North Sydney.</i>					
Geo. H. Dobson.....	Hire tug lifting and laying buoys and moorings....	85	00		
do .....	Iron work, \$19 30; paint, oil, etc., \$4.50.....	23	80		
do .....	Scraping, painting, labour.....	9	00		
do .....	Services harbour master .....	5	00		
do .....	Looking at the buoys .....	10	00		
					132 80
<i>Pictou.</i>					
J. R. Noonan.....	Freight, buoy and stones.....	3	75		
do .....	Paint and painting .....	11	58		
do .....	Iron work, chain.....	32	25		
do .....	Recovering and replacing buoy.....	11	25		
do .....	Steam tug lifting and laying buoys.....	115	00		
do .....	Services superintending .....	15	00		
do .....	Telegram, 26c.; lettering, scraping, \$12.88.....	13	14		
					301 97
<i>Pope's Harbour.</i>					
J. A. Bollong.....	Laying 2 spar buoys and moorings.....				12 00
<i>Pubnico.</i>					
D. G. Amero.....	Labour repairing, painting, replacing buoys and moorings.....	28	50		
do .....	Iron work, \$6.80; paint and oil, \$12.06.....	18	86		
do .....	Placing piles.....	225	00		
do .....	Spar buoys, \$4; hire schooner, \$17.50 .....	21	50		
do .....	Labour laying buoys and moorings.....	38	00		
					331 86
<i>Port Hood.</i>					
Wm. J. Murphy.....	Amount contract, 1 year.....				208 33
<i>Port Medway.</i>					
W. K. Angwin.....	Chain and shackles.....	65	63		
do .....	Hire vessel, \$45; labour shifting, \$18.....	63	00		
do .....	Stone, \$8; chain and anchors, \$17.....	25	00		
do .....	Salvage on S. W. breaker buoy.....	8	00		
do .....	Labour landing on S. W. breaker buoy, \$2; paint and oil, \$2.50.....	4	50		
					166 13
<i>Parrsboro'.</i>					
W. L. Smith.....	Amount contract, 1 year.....				42 00
<i>Pugwash.</i>					
Peter McDonald.....	Amount contract, 1 year.....	43	00		
Henry Reid.....	Placing and lifting bridge buoys.....	13	00		
					56 00
<i>Petit de Grat.</i>					
D. Marchand.....	Amount contract, 1 year.....				150 00
		Carried forward.....			4,811 32

STATEMENT of Expenditure in connection with the Maintenance of Light houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$ cts.	\$ cts.
	Brought forward.....		4,811 32
<b>BUOYS AND BEACONS—Continued.</b>			
<i>Port La Tour.</i>			
Wm. Nickerson.....	Taking up and storing buoys and moorings.....		14 60
<i>River Dennis.</i>			
Hugh Campbell.....	Taking up and laying buoys and moorings.....	18 00	
do .....	Truckage, storage, paint, oil, painting.....	11 00	29 00
<i>Sheet Harbour.</i>			
M. Macfarlane.....	Making and placing buoys and moorings, iron work, labour, boat hire.....		34 00
<i>Shelburne.</i>			
W. A. Perry.....	Salvage, Jig Rock Buoy.....	5 00	
A. C. McLean.....	Lifting buoys and moorings.....	20 00	
J. A. McGowan, jun.....	Placing buoys and moorings.....	33 75	58 75
<i>Ship Harbour.</i>			
James Marks, jun.....	Laying and taking up buoys and moorings.....		40 00
<i>St. Mary's.</i>			
James G. Pride.....	Labour lifting, storing and laying buoys and moorings.....	41 00	
do .....	Buoy, iron work, mooring stone.....	6 50	
do .....	Cleaning and painting.....	2 50	50 00
<i>St. Peter's Inlet.</i>			
Joseph Hunson.....	Amount contract, 1 year.....		100 00
<i>Strait of Canso.</i>			
Henry Smith.....	Placing, painting and taking up Ship Rock buoys and moorings.....		10 00
<i>St. Peter's Bay.</i>			
Simon Landry.....	Amount contract, 1 year.....		160 00
<i>Sambro.</i>			
Joseph Martin.....	2 spar buoys for Cooleys and Martins Shoals.....	10 00	
do .....	Painting, placing and hire vessel.....	20 00	30 00
<i>Tatamagouche.</i>			
W. Irvine.....	Lifting and storing buoys, moorings and posts.....	16 00	
do .....	Cask buoy and fittings.....	7 75	23 75
	Carried forward.....		5,361 42

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$ cts.	\$ cts.
Brought forward.....			5,361 42
<b>BUOYS AND BEACONS—Concluded.</b>			
<i>Tidnish.</i>			
J. W. Jackson.....	Amount contract, 1 year.....		20 00
<i>Tusket.</i>			
P. S. Hatfield.....	Amount contract, 1 year.....		60 00
<i>Whitehead.</i>			
Henry Lindon.....	Amount contract, 1 year.....		350 00
<i>Westport.</i>			
R. D. Suthern . . . . .	Labour lifting, cleaning and replacing 3 can buoys.....	48 00	
do .....	Shifting Dartmouth buoy and moorings.....	10 00	
do .....	Boat hire, \$1.50; recovering buoy, \$10.....	14 50	
do .....	Painting Cow Ledge beacon.....	8 00	
do .....	Paints, oil, iron work.....	8 35	88 85
<i>Wallace.</i>			
Zebud Mullins.....	Labour lifting buoys, etc.....	16 00	
do .....	Boat hire, \$3.75; hire schooner, \$1.50.....	5 25	
do .....	Moving buoy, \$3; storage, \$3.....	6 00	
do .....	Superintending and looking after.....	10 00	
do .....	Truckage, \$3; scraping and painting, \$4.50.....	7 50	
do .....	Laying buoys and moorings, \$21; rope, \$2.50.....	23 50	
do .....	Iron work, \$4.01; mooring stones, \$3.....	7 01	
C. V. Kerr.....	Staking channel and lifting buoys at Bridge.....	9 00	84 26
<i>Yarmouth.</i>			
J. M. Davis.....	Wharfage and storage bell buoy.....	7 00	
Eben Scott .....	Repairing iron can buoy.....	8 25	
do .....	Salvage on buoy and stowing.....	15 00	
do .....	Chain, \$20.60; salvage buoy, \$10.....	30 60	
do .....	Cleaning, \$3.75; paint, painting, \$12.33.....	16 08	
do .....	Scow hire and labour laying moorings.....	28 75	
do .....	Tarring piles, \$2.40; iron work, \$8.27.....	10 67	
do .....	Pile driver and logs.....	27 60	
do .....	Expenses laying Roaring Bull buoy and moorings.....	45 17	189 12
<b>MISCELLANEOUS.</b>			
John Patterson.....	12 iron can buoys.....	1,650 00	
Maurice Downey.....	Painting buoys.....	46 50	
Allan McLean.....	Saving, storing and painting iron can buoy.....	11 00	
John McDougall.....	Bell buoy, for contract.....	950 00	
D. Waddell.....	Transporting bell buoy.....	20 00	
J. Hogan & Sons.....	Lumber.....	25 45	
J. Findlay.....	Cages, chocks, repairing buoys.....	63 00	
Theakston & Angwin .....	Wire rope.....	52 41	
Macdonald & Co.....	Repairing automatic buoy and whistle, plugs.....	9 35	
Handley Payson.....	Dockage Lurcher buoy.....	5 00	
Symonds & Co.....	Repairing Trinity and Brazil Rock bell buoy.....	66 57	
Wm. Condon.....	Expenses recovering Brazil Rock buoy.....	43 50	
Carried forward.....		2,942 78	6,153 65

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—*Continued.*

		\$ cts.	\$ cts.
Brought forward.....		2,912 78	6,153 65
<i>MISCELLANEOUS—Concluded.</i>			
Silas Townshend.....	Anchor stock .....	28 65	
Henry Webb .....	Repairing cover straps.....	27 00	
Geo. E. Smith & Co.....	Samson line .....	7 77	
W. Stairs, Son & Morrow.....	Chain.....	12 00	
J. E. Butler.....	Spar buoys, balls.....	183 20	
Henry Carr.....	Repairing automatic buoys.....	27 00	
Brown Bros. & Co.....	Salvage automatic buoy .....	45 00	
Dominion Paint Co.....	Methylated spirits .....	8 50	
			3,281 90
			9,435 55
<i>HUMAN ESTABLISHMENTS.</i>			
<i>Mud Island.</i>			
Merchants Bank.....	Government allowance, to 30th June, 1886.....		80 00
<i>Seal Island.</i>			
J. Silver & Co.....	Government allowance, to 30th June, 1886.....	120 00	
Macdonald & Co.....	Air chambers for life boat.....	75 50	
			195 50
<i>St. Paul's Island.</i>			
J. E. Butler .....	Oars .....	9 00	
John Macnab.....	Boats, conveyance and board of mechanics.....	70 50	
do .....	Lamp, chimneys, stovepipe.....	15 64	
J. Hogan & Sons.....	Lumber and shingles.....	72 57	
J. McLearn & Son.....	Hay, oats, barley .....	89 37	
Geo. E. Smith & Co.....	Nails, rivets, copper.....	3 03	
J. D. Fader.....	Freight, supplies.....	47 25	
Archibald & Co.....	Lamps, stovepipe, kettles .....	16 14	
J. R. Gordon .....	Medicines.....	17 80	
Bank of British North America.....	Conveyance despatches.....	20 00	
C. E. Creighton & Co.....	5M. shingles, \$3; and truckage, 25c.....	15 25	
D. F. Power .....	Provisions .....	33 00	
Theakston & Angwin.....	Iron, steel, axes, shovels, nails, paints.....	69 47	
T. Holloway & Sons.....	Blocks.....	4 50	
Doull Miller.....	Blankets.....	39 85	
J. E. Wilson.....	Stove linings, grates.....	35 05	
S. C. Campbell.....	12 months salaries to boatmen.....	1,250 00	
do .....	do salary as Keeper.....	\$588 00	
Receiver-General.....	do superannuation tax.....	12 00	
		600 09	
			2,408 42
<i>Sable Island.</i>			
N. & M. Smith.....	Barrels and halves.....	66 50	
A. Gunn & Co.....	Oats .....	22 50	
T. Robinson.....	Stud-horse .....	160 00	
Theakston & Angwin.....	Cotton, duck, coffee mill, lamp.....	14 45	
E. J. Lordly.....	Lantern.....	909 30	
R. Martin & Co.....	Saddle, blanket.....	38 25	
R. A. Nesbit .....	Medicines, extract of beef, etc.....	60 70	
Geo. E. Smith & Co.....	Nails, glass, duck, powder, tarred paper, spikes, etc.....	189 41	
James McKay.....	Shropshire ram.....	15 00	
J. Hogan & Sons.....	Flooring, shingles spruce and pine lumber.....	210 89	
J. McLean & Son.....	Oats and hay.....	93 22	
Carried forward .....		1,780 22	2,683 92

**STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, etc., in Nova Scotia—Continued**

		\$ cts.	\$ cts.
	Brought forward.....	1,730 22	2,683 92
	<b>HUMANE ESTABLISHMENTS—Concluded.</b>		
	<i>Sable Island—Concluded.</i>		
R. H. Cogswell .....	Clock.....	7 50	
J. E. Wilson .....	Stove and pipe.....	21 78	
John White .....	Stove castings, pipe .....	14 20	
Hudson's Bay Co.....	Provisions.....	51 00	
John Taylor, sen. ....	Hay waggon.....	125 00	
Isaac Crowell.....	Gratuity for injuries .....	100 00	
Thos. Bell.....	Cart.....	55 00	
Saunders & McLearn.....	Potatoes, seeds.....	27 51	
Elisa Crowell .....	Cooking for laborers .....	5 00	
D. F. Power .....	Provisions.....	211 41	
Doull Miller.....	Toweling.....	1 70	
C. E. Creighton & Co. ....	35,000 shingles, \$3 40; and truckage, \$1.75.....	120 75	
Island Staff.....	Salaries 1 year.....	3,347 73	
			5,868 80
			8,552 72
	<b>SIGNAL STATIONS.</b>		
Major F. Fereday.....	Conveyance signal parties, stores, etc.....		698 09
do .....	Expenses, June quarter, 1886.....	482 51	
do .....	do Sept. do 1886.....	572 14	
do .....	do Dec. do 1886.....	600 95	
do .....	do March do 1887.....	532 70	
			2,138 30
Capt. H. E. Rawson.....	Powder, friction tubes, etc.....	17 50	
	Salary as Superintendent, 1 year.....	150 00	
			3,003 89

**RECAPITULATION.**

Lighthouses.....	85,512 56
Fog-Whistles .....	11,001 23
Humane Establishments .....	8,552 72
Buoys and Beacons .....	9,435 55
Signal Stations.....	3,003 89
	117,505 95
Queen's Printer, printing, etc.....	302 58
	117,808 53

F. GOURDEAU,  
*Accountant.*

WM. SMITH,  
*Deputy Minister of Marine.*

## APPENDIX No. 7

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, for the Fiscal Year ended 30th June, 1887.

GENERAL ACCOUNT.		\$ cts.	\$ cts.
J. E. Vincent.....	Side and top wharfage steamer "Newfield".....	21 94	
Geo. Douglas.....	Freight.....	38 84	
Jos. H. Mann.....	Expenses to Shippegan with inspector.....	8 00	
Jas. Mitchell.....	Travelling expenses.....	151 49	
Western Union Telegraph Co.....	Telegraph bill, 13 months.....	251 74	
Henry King.....	Boating, carting and labour.....	582 12	
G. A. Barker.....	Alcohol and soap.....	10 70	
J. H. Harding.....	Balance of travelling expenses for 1885-86.....	38 43	
Brundage & Jackson.....	Making 184 coal bags.....	455 61	
J. H. Harding.....	Travelling expenses, 1886-87.....	266 23	
Thos. McAvity & Sons.....	White lead and paints.....	576 70	
R. A. Guildford.....	Expenses landing coal.....	58 40	
A. G. Bowes & Co.....	Tin measures and oil cans.....	42 28	
Edward A. Everett.....	Window glass and paper.....	89 06	
T. B. Barker & Sons.....	Boiled and raw oil, white lead and paints.....	1,373 65	
Jas. Johnston.....	Inspectors postage account and rent of box.....	24 93	
Alfred Wadlin.....	Freight.....	37 90	
Str. "Flashing".....	do.....	25 25	
W. H. Thorne & Co.....	Auger, brace and bit and zinc.....	20 40	
Harding & Hatheway.....	Lime.....	3 00	
Vaughan & Bros.....	437 yards canvas for coal bags.....	174 80	
Halifax Banking Co.....	Draft for lighterage on 165 tons coal to "Newfield".....	123 75	
John Como.....	Trimming 374 tons coal to "Newfield".....	25 18	
E. Chase.....	Freight on 38 tons coal.....	22 80	
Coles & Parsons.....	Tin cans.....	6 90	
J. Williard Smith.....	Lighterage on 171 tons coal.....	162 60	
J. S. Flemming.....	Freight on oil.....	81 80	
Odber Flewelling.....	do.....	1 00	
Chas. L. Nelson.....	Twine and wrapping paper.....	19 04	
Estey Aliwood & Co.....	Rubber covers and coat for boat.....	16 90	
John Cother.....	Taking care boat house, 1883.....	10 00	
John McEvan.....	Carting oil to steamer "Newfield".....	12 00	
Henry S. King & Co.....	12 months subscription to Magazine.....	3 75	
Neil A. Seelye.....	Travelling expenses.....	18 89	
Robt. Wilkins.....	Painting lighthouse St. John River.....	95 95	
A. Christie W. W. Co.....	Repairing door and shelving.....	18 56	
Emma A. Thomas.....	12 months salary as telegraph operator.....	150 00	
A. B. Clark.....	Expressage.....	1 80	
Barbour & Staples.....	Inspecting paints.....	3 00	
R. C. Qigley.....	Inspector of lights, telegraph bill.....	19 81	
Imperial Oil Co.....	2,528 galls. oil, at 25 cts.....	\$ 631 50	
do.....	2,701 <sup>2</sup> / <sub>5</sub> do 22.....	594 27	
do.....	5,476 <sup>3</sup> / <sub>5</sub> do 22 <sup>1</sup> / <sub>2</sub> .....	1,232 24	
do.....	5,590 <sup>3</sup> / <sub>5</sub> do 25 <sup>1</sup> / <sub>2</sub> .....	1,425 68	
do.....	10,320 do 23 <sup>1</sup> / <sub>2</sub> .....	2,425 20	
do.....	Overpaid and placed to credit of Receiver General.....	716 08	
		7,024 97	
E. Gaskill.....	Freight to Grand Manan lights.....	19 65	
Jas. Buttiner.....	Survey land, Harper's Pt., \$25; Shippegan, \$25.....	50 00	
D. L. Hutchinson.....	29 doz polishing paste.....	58 00	
Chas. Sabbitt.....	Freight to River and Grand Lake lights.....	23 10	
	Carried forward.....	12,160 89	

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

		\$ cts.	\$ cts.
	Brought forward.....	12,160 89	
	<b>GENERAL ACCOUNT—<i>Concluded.</i></b>		
Walter Lane.....	Carpenter work repairing coal shed.....	2 50	
John W. Ingersoll.....	Freight.....	13 05	
Intercolonial Railway....	Freight on glass.....	3 92	
Gilbert Doody.....	Labour in warehouse.....	10 00	
Jos. Millar.....	Cartages, postages and express charges.....	10 41	
F. Harding.....	do freight and telephone messages.....	20 85	
R. B. Humphreys.....	Freight to River lights.....	17 05	
D. Weldon.....	Horse hire.....	3 00	
R. R. Call.....	Rent of warehouse and wharfage.....	50 00	
James Hunter.....	Repairing locks and keys.....	7 10	
Alfred Wadlin.....	Freight.....	33 00	
Jos. Bullock.....	Storage on oil.....	65 33	
W. G. Robertson.....	Freight on oil from Quebec.....	15 20	
E. Lee Street.....	Ink and stand.....	31 35	
Magee Bros.....	Weighing coal.....	13 95	
O. E. Harding & Sons....	Lumber.....	25 29	
Schr. Edmond & Owners.	Lightering 219 tons coal.....	131 40	
Joggins Coal Mining Ass.	672 tons coal.....	\$1,310 40	
do	Lightering 292 tons coal.....	145 20	
		1,455 60	
Truro Foundry and Ma- chine Co.....	1 doz tongs.....	46 80	
Robt. Carson.....	Lightering on 211 tons coal, at 60 cts.....	126 60	
Barbour & Staples.....	Painting boat.....	17 10	
T. R. Jones & Co.....	Cotton, flannel and toweling.....	47 84	
Macaulay Bros. & Co....	do.....	136 35	
J. R. Stone.....	Express charges files and indexes.....	67 65	
Daniel & Bayd.....	Cotton, flannel and toweling.....	50 29	
Alex. Stewart.....	1,084 lbs soap, at 3½ cts.....	40 65	
John W. Gilmour.....	Subscription to newspaper to 12th Dec., 1887.....	5 00	
P. W. McNaughton.....	Trimming coal, steamer "Lansdowne".....	37 20	
J. R. Cameron.....	Chimneys, burners, wicks and lamps.....	741 80	
Wm Logan.....	1,080 lbs. soap, 3½c.....	45 50	
T. Hayward & Co.....	Red, black and yellow paint.....	64 50	
S. S. Simms & Co.....	Brushes, brooms and dusters.....	1 7 00	
F. W. Wisdom.....	Machine oil, copper and bellows.....	234 28	
J. R. McFarlane.....	1,080 lbs soap, 3½c.....	40 50	
J. & J. D. Howe.....	Boat cushions.....	24 00	
Grand Southern Ry.....	Freight.....	3 85	
Thos. Ferris.....	Labour and lumber, making boxes.....	21 46	
		15,952 26	
	<b>LIGHTHOUSES.</b>		
	<i>Beaver Harbour Light.</i>		
E. Snell.....	12 months salary as Keeper.....	\$246 38	
Receiver-General.....	do superannuation tax.....	3 72	
		250 60	
J. R. Cameron.....	Globes, wicks, chimneys.....	16 45	
G. A. Barker.....	Alcohol and matches.....	4 00	
C. E. Harding & Son....	Lumber and cartage.....	153 10	
E. Ross.....	Oars.....	4 00	
W. H. Thorne & Co.....	Shovel and axe.....	4 20	
Benjamin Small.....	Freight on lumber.....	17 16	
W. E. Mallory.....	Horse hire with carpenter.....	6 00	
Obadiah Conroy.....	34 days carpenter work.....	\$51 00	
do	Travelling expenses.....	3 00	
		54 00	
T. B. Barker & Sons....	Boiled and raw oil.....	11 10	
Barbour & Staples.....	Glass, labour, painting.....	298 30	
J. R. Anderson.....	73 days carpenter work, \$120.25; tar paper and tacks, \$7.22.....	127 47	
		945 84	15,952 26
	Carried forward.....		

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

		\$ cts.	\$ cts.
	Brought forward.....	945 84	15,952 26
<b>LIGHTHOUSES—Continued.</b>			
<i>Beaver Harbour Light—Concluded.</i>			
E. C. Lyle.....	Surveying land.....	15 75	
E. Snell.....	Allowance for fuel to 30th June, 1887.....	20 00	
E. Chanteloup.....	½ doz. circular burners.....	72 50	
E. Hevenor.....	Iron chiminey top.....	10 55	
			1,064 64
<i>Beacon Light.</i>			
Timothy Clark.....	12 months salary as Keeper.....	\$445 00	
Receiver-General.....	do superannuation tax.....	5 00	
			450 00
E. H. Clark.....	Repg. stairs, \$6; whitewashing, \$28.80.....	\$34 80	
do.....	Painting.....	10 00	
			44 80
Henry King.....	Boating oil and labourers.....	49 80	
G. A. Barker.....	Chamois, shovels and sponges.....	31 55	
W. H. Thorne & Co.....	Window glass.....	0 24	
J. R. Cameron.....	Chimneys, globes and burners.....	33 90	
John Woodley.....	Repairing boat.....	16 00	
Barbour & Staples.....	Painting and labour.....	20 13	
T. B. Barker & Son.....	5 gallons raw oil, 57c., \$2.85; 5 gallons boiled oil, 62c., \$3.10.....	5 95	
Walter Lane.....	3 days' labour, at \$2.50, \$7.50; 3 days' labour, at \$1.75, \$5.25.....	12 75	
Estey, Allwood & Co.....	Life buoy and line.....	4 50	
C. E. Harding & Son.....	Lumber.....	18 11	
Timothy Clark.....	Allowance for fuel to 30th June, 1887.....	20 00	
Wm. Lewis & Son.....	Screw bolts, shackles, chain.....	120 64	
D. L. Hutchinson.....	Repairing clock.....	1 75	
Henderson, Lorigan & Burns.....	Stove, grate.....	0 70	
Edwin Clark.....	8 days' labour.....	10 00	
G. Hevenor.....	Tin shields, stove pipe and labour.....	60 10	
E. Ross.....	Oars.....	6 00	
			906 92
<i>Bliss Island Light.</i>			
Cornelius McNichol.....	12 months salary as keeper.....	300 00	
J. R. Cameron.....	Chimneys and burners.....	27 25	
G. A. Barker.....	Alcohol.....	4 25	
Vaughan & Bros.....	Rope.....	6 83	
S. G. Blizard.....	Lumber.....	72 25	
Cornelius McNichol.....	Boarding labourers.....	\$ 5 68	
do.....	Allowance for fuel to 30th June, 1887.....	20 00	
			25 66
Jos. Chambers.....	7½ days labour.....	15 00	
Sarah J. Drake.....	Six-yard ensign.....	18 00	
			469 24
<i>Bathurst Light.</i>			
Geo. C. Sutherland.....	12 months salary as Keeper.....	\$197 52	
Receiver-General.....	do superannuation tax.....	2 48	
			200 00
Geo. C. Sutherland.....	Building oil shed and boathouse.....	\$27 50	
do.....	1 year's rent of land.....	8 00	
			35 50
			235 50
	Carried forward.....		18,628 56



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

		\$ cts.	\$ cts.
	Brought forward.....		18,628 56
<b>LIGHTHOUSES—Continued.</b>			
<i>Belyea's Point Light.</i>			
S. B. Belyea.....	12 months salary as Keeper.....	80 00	
T. B. Barker & Sons .....	Paint brushes .....	2 96	
James E. Ganong.....	Painting lighthouse .....	86 20	
S. B. Belyea .....	36 days boarding painters .....	\$18 00	
do .....	Repairs to light and freight.....	16 52	
		34 52	203 68
<i>Bay du Vin Light.</i>			
James Chapman.....	12 months salary as Keeper.....	200 00	
John Lawlor.....	Registering deed.....	3 00	
James Cregan.....	Carting oil.....	4 00	
H. C. Williston.....	do supplies.....	7 50	
			214 50
<i>Buclouche Beacon Light.</i>			
H. B. Robicheaux.....	12 months salary as Keeper.....	150 00	
J. R. Cameron.....	Wicks .....	1 74	
H. B. Robicheaux.....	3 cords wood, \$9; carting oil and freight, \$6.48.....	15 48	
H. Robicheaux .....	Allowance for fuel to 30th June, 1887.....	10 00	
T. B. Barker & Sons.....	Raw oil.....	7 50	
Coles & Parsons.....	Stovepipe .....	2 55	
Frank Brean.....	Painting building.....	7 00	
			194 27
<i>Belle Isle Light.</i>			
Israel Nobles.....	12 months salary as Keeper .....	93 33	
J. R. Cameron .....	Wicks and measures.....	5 90	
			99 23
<i>Cape Enragé Light.</i>			
W. S. Strarratt.....	12 months salary as Keeper.....	\$395 00	
Receiver-General.....	do superannuation tax .....	5 00	
		400 00	
J. R. Cameron.....	Chimneys and burners .....	11 50	
Wm Wood.....	Freight.....	8 00	
			419 50
<i>Cape Jourmain Light.</i>			
A. W. Bent.....	12 months salary as Keeper .....	\$296 28	
Receiver-General.....	do superannuation tax.....	3 72	
		300 00	
A. W. Bent .....	Labour, making well .....	\$56 54	
do .....	Allowance for fuel to 30th June, 1887....	32 00	
		88 54	388 54
<i>Caraquet Light.</i>			
Joseph Porlier.....	12 months salary as Keeper.....	200 00	
Robt. Young .....	42 <sup>25</sup> / <sub>100</sub> galls. paraffine.....	10 44	
			210 44
	Carried forward .....		20,358 72

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

		\$	cts.	\$	cts.
Brought forward .....				20,358	72
<b>LIGHTHOUSES—Continued.</b>					
<i>Coz's Point Light.</i>					
M. Y. Cox.....	12 months salary as Keeper .....	80	00		
do .....	Lumber, labour, repairing and saving lighthouse...	324	68		
G. Hevenor.....	Repairing lamps.....	33	60		
J. R. Cameron.....	Burners .....	1	50		
J. Horncastle.....	Blocks and rope .....	16	99		
W. S. Frost .....	Carpenter work.....	24	20		
				480	95
<i>Cassie's Point Light.</i>					
Chas. LeBlanc.....	12 months salary as Keeper .....	\$245	88		
Receiver-General .....	do superannuation tax .....	3	12		
				250	00
Chas. LeBlanc.....	Glass and freight .....	4	41		
P. LeBlanc.....	Painting lighthouse .....	9	00		
John Ferguson.....	White lead, oil, soap and paint.....	73	40		
				336	81
<i>Cape Spencer Point Light</i>					
Geo. C Blacklock.....	12 months salary as Keeper .....	\$395	00		
Receiver-General .....	do superannuation tax .....	5	00		
				400	00
Wm. Byrns .....	Building gate and labour .....	18	60		
D. L. Hutchinson.....	Repairing clock .....	2	00		
Fred. Blacklock.....	Carting, boarding labourers .....	74	80		
Harris Allan.....	Stoves .....	25	00		
James Stewart.....	12 cords wood, \$21.60; building sewer, \$6.00.....	27	60		
G. Hevenor.....	Labour and material repairing lantern and lamps...	248	71		
J. R. Cameron.....	Lantern, lamps, blinds and cord .....	9	50		
James Lyman.....	Labour .....	20	00		
W. H. Thorne & Co.....	Patent dryers .....	0	84		
G. A. Barker.....	½ doz. chamois .....	4	00		
				831	05
<i>Church Point Light.</i>					
D. O. Maillet.....	12 months salary as Keeper .....	150	00		
do .....	Shingling beacon, \$50; 4 cords wood, \$10 .....	60	00		
Cameron Burk.....	Brushes, flannel and soap .....	8	77		
				218	77
<i>Clifton Light.</i>					
Chas. F. Scott.....	12 months salary as Keeper .....	100	00		
				100	00
<i>Dalhousie Light.</i>					
Louis Arseneaux.....	12 months salary as Keeper.....	100	00		
J. R. Cameron.....	Chimneys.....	4	75		
George Moffatt.....	Removing and painting light .....	100	00		
				204	75
<i>Escuminac Light.</i>					
Thos. Phillips.....	12 months salary as Keeper .....	\$395	00		
Receiver General.....	do superannuation tax .....	5	00		
				400	00
J. H. Phinney.....	Lantern.....	0	90		
E. Lee Street.....	Alcohol and polish .....	5	00		
Geo. Watt.....	Paint and oil.....	5	10		
				411	00
Carried forward.....				22,942	05

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

		\$	cts.	\$	cts.
		Brought forward.....		22,942 05	
<i>LIGHTHOUSES—Continued.</i>					
<i>East Head Light (Musquash).</i>					
Chas. P. Hamm .....	12 months salary as Keeper .....	\$296	28		
Receiver-General.....	do superannuation tax.....	3	72		
		<hr/>		300	00
Chas. P. Hamm .....	Carting, \$4 50; boating, \$11.00. ....	\$15	50		
do .....	Allowance for fuel.....	20	00		
		<hr/>		35	50
J. R. Cameron .....	Wicks, cotton, brooms, towels.....		37	61	
W. H. Thorne & Co.....	Nails and raw oil .....		9	55	
Walter Lane.....	Labour shingling roof.....		61	25	
Henry King.....	4 days carting lumber.....		18	00	
C. E. Harding & Son.....	Lumber.....		36	89	
		<hr/>			488 80
<i>Fox Island Light (Upper).</i>					
Wood Williston.....	12 months salary as Keeper .....	\$296	28		
Receiver-General.....	do superannuation tax .....	3	72		
		<hr/>		300	00
John McNaughton .....	Rent of land to 1st July, 1886 .....		30	00	
John Ferguson.....	White lead and oil .....		41	90	
Chas. Bennett .....	Repairing lantern and lamps.....		14	00	
H. C. Williston.....	Carting supplies .....		9	00	
		<hr/>			394 90
<i>Fox Island Light (Lower).</i>					
Robt. Reinsborrow .....	12 months salary as Keeper .....	\$197	52		
Receiver-General.....	do superannuation tax.....	2	48		
		<hr/>		200	00
Robt. Reinsborrow .....	6 cords wood at \$3 .....		18	00	
		<hr/>			218 00
<i>Fanjoy's Point Light.</i>					
Wm. Fanjoy.....	12 months salary as Keeper.....		80	00	
do .....	Boarding painter and horse hire.....		9	50	
J. R. Cameron .....	Burners .....		2	00	
G. Hevenor.....	Sheet lead, canvas and lamps.....		33	23	
		<hr/>			124 73
<i>Flewelling's Wharf Light.</i>					
Daniel T. Flewelling.....	12 months salary as Keeper.....		80	00	
J. R. Cameron .....	Wicks .....		0	25	
		<hr/>			80 25
<i>Grindstone Island Light</i>					
G. M. Russel .....	12 months salary as Keeper.....		400	00	
Mrs. James Clark.....	2 years rent of boathouse to 1st July, 1887.....		24	00	
Estey Allwood & Co.....	Pails, polishing paste and olive oil.....		17	68	
W. H. Thorne & Co.....	Putty.....		1	26	
G. M. Russel.....	Boarding painters .....		28	50	
R. J. Wilkins.....	Painting lighthouse.....		118	61	
		<hr/>			590 05
<i>Gannet Rock Light.</i>					
O. A. Kent.....	12 months salary as Keeper .....	\$594	40		
Receiver-General.....	do superannuation tax.....	5	60		
		<hr/>		600	00
		<hr/>		600	00
		<hr/>		24,848	78

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

		\$	cts.	\$	cts.
	Brought forward .....	600	00	24,848	78
<i>LIGHTHOUSES—Continued.</i>					
<i>Gannet Rock Light—Concluded.</i>					
Macaulay Bros & Co.....	Cotton, flannel and baize .....	16	20		
Sarah J. Drake.....	Flags .....	22	00		
J. R. Cameron.....	Lamps, lanterns, chimneys .....	33	75		
C. E. Harding & Son. ....	Lumber .....	35	36		
L. V. Kent.....	Boating water .....	66	00		
W. H. Thorne & Co.....	Nails, anchors and copper tacks .....	66	79		
Joggins Coal Mining Ass.	5 tons of coal at, \$1.95.....	9	75		
O. A. Kent.....	Boating supplies.....	8	00		
Vaughan & Bros.....	Wire rope .....	15	94		
A. H. & C. W. Ribber....	Lamps and chimneys .....	14	20		
James Armstrong.....	6 water kegs .....	39	00		
J. Ingersoll.....	Freight on water casks .....	6	00		
Wm. Harvey.....	Boating water, \$132; postage, \$6. ....	\$138	00		
do.....	Cordwood, \$33; cartage, \$5.50 .....	38	50		
		176	50		
Wm. Benson.....	Boating water.....	76	00		
Harris Allan.....	Stove .....	10	00		
John W. Kent.....	Repairing boat .....	20	50		
Wm. Flewelling.....	do .....	23	00		
T. R. Jones & Co.....	Cotton, flannel and towels .....	14	45		
Wm. Logan.....	120 lbs. soap .....	4	50		
T. S. Simms & Co.....	Brooms and brushes.....	9	30		
				1,287	24
<i>Green Head Light.</i>					
Thos. E. Looney.....	12 months salary as Keeper .....	80	00		
J. R. Cameron.....	Chimneys, burners and wicks .....	5	50		
S. Hayward & Co.....	Nails, washers and locks.....	4	18		
Walter Lane.....	Carpenter work .....	70	35		
Bridget Looney.....	Boarding carpenters.....	16	00		
D. B. Warner.....	Plank and boards .....	15	02		
G. Hevenor.....	Repairing lamps and labour.....	56	28		
T. B. Barker & Sons.....	5 galls. raw oil.....	3	75		
Jas. E. Ganong.....	Labour, painting building .....	58	50		
Thos. E. Looney.....	Boarding painters 3 weeks.....	12	00		
Jos. Armstrong.....	Rent of land to 1st November.....	10	00		
				381	58
<i>Grant's Beach Light.</i>					
John Delaney.....	12 months salary as Keeper.....	125	00		
J. R. Cameron.....	Lamps .....	0	60		
John Delaney.....	Carting oil and supplies .....	7	00		
Chas. Bennett.....	Repairing lantern and lamps.....	7	00		
				139	60
<i>Goose Lake Light.</i>					
D. J. B. Robicheaux.....	12 months salary as Keeper.....	\$246	88		
Receiver-General.....	do superannuation tax.....	3	12		
		250	00		
John Ferguson.....	Oil, soap and cotton.....	29	45		
Jos. Wilson.....	Repairing lighthouse.....	14	43		
E. Lee Street.....	Alcohol and polish .....	5	00		
				298	88
<i>Grand Harbour Light.</i>					
Mark Daggett.....	12 months salary as Keeper.....	400	00		
W. H. Thorne & Co.....	Sheet lead, zinc, spikes .....	30	41		
		430	41	26,906	08
	Carried forward.....	430	41	26,906	08

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

		\$ cts.	\$ cts.
	Brought forward .....	430 41	26,906 08
<i>LIGHTHOUSES—Continued.</i>			
<i>Grand Harbour Light—Concluded.</i>			
J. R. Cameron .....	Wicks, burners and chimneys .....	21 20	
J. R. Smith .....	½ doz. baskets .....	2 40	
G. A. Barker .....	Alcohol and chamois skins .....	16 25	
Geo. Douglas .....	Freight on lumber .....	19 20	
C. E. Harding & Son .....	Lumber .....	122 12	
Mark Daggett .....	Carpenter work and postage .....	\$ 10 00	
do .....	Lumber and labour .....	33 75	
do .....	Allowance for fuel to 30th June, 1887....	20 00	
		63 75	
A. W. Ingersoll .....	Freight on glass, spikes and lead .....	4 80	
A. G. Bowes & Co .....	Stovepipe .....	6 07	
G. Hevenor .....	Repairing burners .....	1 50	
			687 70
<i>Hillsborough Pier Light.</i>			
W. H. E. Steeves .....	12 months salary as Keeper .....	75 00	
Jordan Steeves .....	Labour painting .....	18 28	
J. R. Cameron .....	Lamp .....	2 50	
			95 78
<i>Head Harbour Light.</i>			
Neil A. Seelye .....	12 months salary as Keeper .....	\$ 394 36	
Receiver-General .....	do superannuation tax .....	5 64	
		400 00	
Harding & Hatheway .....	4 barrels lime .....	3 00	
J. R. Cameron .....	Wicks and chimneys .....	8 85	
W. H. Thorne & Co .....	Shovels, glass, cement and galvanized nails .....	60 01	
Intercolonial Railway .....	Freight .....	61 02	
E. Chanteloup .....	Lantern and fittings .....	\$ 926 68	
do .....	2 step ladders .....	9 00	
		935 68	
L. C. Barney .....	Glass .....	171 63	
C. E. Harding & Son .....	Lumber .....	15 92	
D. W. Clark & Co .....	do .....	279 50	
G. Hevenor .....	Repairing lantern glass .....	11 85	
W. H. Frost .....	On account labour bill .....	300 00	
Wm. Lewis & Son .....	Screw bolts .....	10 85	
			2,258 3
<i>Heron Island Light.</i>			
John Dutch .....	12 months salary as Keeper .....	\$ 197 52	
Receiver-General .....	do superannuation tax .....	2 48	
		200 00	
John Ferguson .....	White lead, oil and brushes .....	30 30	
			230 30
<i>Hendry's Point Light.</i>			
E. M. Hendry .....	12 months salary as Keeper .....	80 00	
do .....	6 days boarding painter .....	3 00	
			83 00
<i>Hay Island Light.</i>			
Jos. McKnight .....	12 months salary as Keeper .....	\$ 148 12	
Receiver-General .....	do superannuation tax .....	1 88	
		150 00	
	Carried forward .....	150 00	30,261 17

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

		\$	cts.	\$	cts.
	Brought forward.....	150	00	30,261	17
	<i>LIGHTHOUSES—Continued.</i>				
	<i>Hay Island Light—Concluded.</i>				
John Ferguson .....	White lead, oil and turpentine .....	27	30		
R. R. Call .....	Freight on boat and oil .....	4	00		
Jos. O. Savoy .....	2 years rent of land .....	16	00		
Geo. Watt.....	Boat and oars.....	30	00		
				227	30
	<i>Jemseg Light.</i>				
Geo. F. Nevers . .....	12 months salary as Keeper .....	80	00		
J. R. Cameron ....	Wicks, globes and lanterns .....	3	55		
				83	55½
	<i>Lightship (Miramichi) Light.</i>				
Timothy Daley .....	12 months salary as Keeper .....	\$ 695	00		
Receiver-General .....	do superannuation tax .....	5	00		
				700	00
Geo. E. Chandler.....	Purchase of schooner and outfits .....	2,200	00		
Hans Halverson .....	13½ days labour .....	20	25		
Chas. Patton .....	13½ do .....	20	25		
John Ashford .....	28 do .....	42	00		
W. Ballay .....	Advertising tenders .....	2	24		
W. McLean.....	4,780 lbs. iron .....	47	80		
R. R. Call .....	Towing coal and lumber .....	120	10		
Wm. Fraser .....	Boiler hatch .....	16	00		
Jas. Carter .....	Labour changing light. ....	14	00		
Alex. Morrison.....	Lumber .....	5	50		
James Wright .....	Removing ballast .....	\$ 15	00		
do .....	Cutting ice, \$10; labour, \$16.50 .....	26	50		
				41	50
Samuel Carruthers .....	Carting oil.....	6	00		
Wm. Muirhead .....	Castings and shackles. ....	15	50		
John McLaggan .....	Lumber .....	4	00		
John Ferguson.....	Oakum, rope, oil and paint. ....	\$ 86	28		
do .....	Rope, wicks, lead, coal and brooms.....	147	42		
				233	70
D. & J. Ritchie .....	Lumber, \$13.53; 121 lbs. iron, \$4.84 .....	18	37		
E. Hutchinson .....	Towing .....	50	00		
J. H. Phinney.....	Stovepipe .....	22	53		
W. & C. Anslow.....	Advertising .....	1	50		
John Fotheringham .....	Passage and freight .....	3	50		
John L. Stewart .....	Advertising .....	7	20		
Wm. McLeod.....	Repairs .....	8	00		
John Rae.....	do to iron .....	22	79		
Wm. Wright.....	6 days labour.....	9	00		
Allan Daley.....	7 do .....	10	50		
Hugh Osborne.....	4 do .....	6	00		
Wm. Richards.....	Lumber.....	24	32		
Wm. Masson.....	Oakum, rope and white lead .....	36	66		
J. C. Millar.....	Towing lightship .....	40	00		
				3,749	12
	<i>Little Bellefune Light.</i>				
Wm. Roberty.....	12 months salary as Keeper .....			100	00
	<i>Machias Seal Island Light.</i>				
Chas. F. Seely.....	12 months salary as Keeper.....	500	00		
Sarah J. Drake .....	Flags .....	33	00		
				533	00
	Carried forward.....	533	00	34,421	14

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

		\$	cts.	\$	cts.		
		Brought forward.....		533	00	34,421	14
<i>LIGHTHOUSES—Continued.</i>							
<i>Muchias Seal Island Light—Concluded.</i>							
Barbour & Staples.....	Labour painting, glass, glazing and freight.....	717	36				
C. E. Harding & Son.....	Water tanks and lumber.....	108	43				
J. R. Cameron.....	Burners, chimneys and lamps.....	36	25				
S. G. Blizard.....	Lumber.....	117	70				
Wm. Benson.....	Boating.....	56	00				
Chas. F. Seely.....	Repairing clock and postage.....	6	00				
Wm. Quinn.....	Freight on car wheels, \$6 00; on boat \$6.00.....	12	00				
J. W. Benson.....	Boating and horse hire.....	28	00				
Wm. Lewis & Son.....	Bolts, chain, valves and labour.....	58	95				
Elizabeth Ann Conley.....	Balance in full for improvements.....	393	00				
John Woodley.....	Boat.....	45	00				
Harris Allan.....	Stove and bolts.....	9	70				
						2,131	39
<i>Midgie Bluff Light.</i>							
Mrs. John W. McDiarmid	12 months salary as Keeper.....	\$197	52				
Receiver-General.....	do superannuation tax.....	2	48				
				200	00		
Angus Burgess.....	Storage, wood, cartage, postage.....	89	29				
T. S. Simms & Co.....	Brooms and brushes.....	5	80				
Mrs John W. McDiarmid	Boat.....	30	00				
W. H. Thorne & Co.....	Pails, alcohol and glass.....	36	57				
G. Hevenor.....	Repairing reflectors.....	34	25				
J. R. Cameron.....	Burners, wicks and chimneys.....	2	75				
						398	66
<i>Miscou Light.</i>							
Robt Rivers.....	12 months salary as Keeper.....	\$493	72				
Receiver-General.....	do superannuation tax.....	6	28				
				500	00		
Jos. H. Mann.....	Freight.....	5	00				
E. Lee Street.....	Alcohol and polish.....	5	00				
						510	00
<i>Musquash Island Light.</i>							
Daniel Smith.....	12 months salary as Keeper.....	80	00				
G. A. Barker.....	Soap, waste and chamois skins.....	6	10				
G. Hevenor.....	Pump and pipe.....	7	08				
						93	18
<i>Middle Island Light.</i>							
Daniel McEwen.....	12 months salary as Keeper.....	\$296	28				
Receiver-General.....	do superannuation tax.....	3	72				
				300	00		
Geo. Watt.....	White lead, glass and oil.....	17	85				
Chas. Bennett.....	Repairing lantern.....	11	00				
						328	95
<i>Mark's Point Light.</i>							
Patrick Toomey.....	12 months salary as Keeper.....	120	00				
Wm. Lewis & Son.....	Iron work.....	21	00				
J. R. Cameron.....	Wicks.....	1	25				
John Boyd.....	Carting oil.....	3	00				
						145	25
		Carried forward.....				37,018	57

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

		\$ cts.	\$ cts.
Brought forward .....			37,018 57
<b>LIGHTHOUSES—Continued.</b>			
<i>McMann's Point Light.</i>			
Robt. McMann.....	12 months salary as Keeper .....	80 00	
J. R. Cameron.....	Chimney, globes and wicks .....	10 80	
Robt. McMann.....	8 days board painter.....	5 00	
G. Hevenor.....	Repairing lamp, braces, iron, rope .....	25 36	121 16
<i>Mulholland's Point Light.</i>			
Malachi Parker.....	12 months salary as Keeper .....	200 00	
G. R. Batson.....	Cordwood and coal .....	24 00	
J. R. Cameron.....	Burners, wicks and chimneys.....	17 65	
Joggins Coal Mining Association.....	4 tons coal, at \$1.95 .....	7 80	
G. W. Mabee.....	Carting coal and oil.....	6 36	255 81
<i>No Man's Friend Light.</i>			
Morris Scovil.....	12 months salary as Keeper .....	80 00	
J. R. Cameron.....	Chimneys, oil and cans.....	10 33	
G. Hevenor.....	Labour, repairing lantern .....	44 73	
Morris Scovil.....	Boarding painter.....	\$10 00	
do.....	Repairing light.....	15 00	
Jas. E. Ganong.....	Painting light.....	25 00	206 81
		46 75	
<i>Neguae Light.</i>			
Wm. Drummond.....	12 months salary as Keeper.....	200 00	
Romain Savoy.....	Removing light.....	8 00	208 00
<i>Negro Town Point Light.</i>			
E. Ross.....	12 months salary as Keeper .....	\$296 28	
Receiver-General.....	do superannuation tax .....	3 72	
		300 00	
Causey & Maxwell.....	Cement and labour.....	6 00	
E. Ross.....	Rope and oars .....	17 18	
J. R. Cameron.....	Lantern and flannel.....	16 05	339 23
<i>Newcastle Light.</i>			
Wm. Merry.....	12 months salary as Keeper .....	150 00	
John Ferguson.....	White lead, paint and turpentine.....	21 15	171 15
<i>Oak Point (St. John River) Light.</i>			
Wm. McLeod.....	12 months salary as Keeper.....	80 00	
J. R. Cameron.....	Wicks .....	0 60	
G. Hevenor.....	Repairing lantern glass.....	21 05	101 65
<i>Oromocto Shoals Light.</i>			
Chas. H. Gilmore.....	Salary from 1st July, to 30th September, 1886.....	20 00	
Wm. Rutledge.....	do 1st October, 1886, 30th June, 1887.....	60 00	
Jas E. Ganong.....	Painting lighthouse .....	48 95	128 95
Carried forward.....			39,551 33



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

		\$ cts.	\$ cts.
Brought forward.....			39,551 33
<b>LIGHTHOUSES—Continued.</b>			
<i>Oak Point (Miramichi) Light.</i>			
Peter Morrison.....	12 months salary as Keeper .....	100 00	
do .....	Carting oil.....	4 00	
John Ferguson.....	White lead, oil and turpentine .....	28 05	
Chas. Bennet.....	Repairing lantern and lamps.....	10 00	
		142 05	
<i>Partridge Island Light.</i>			
James Wilson.....	12 months salary as Keeper .....	\$395 00	
Receiver-General.....	do superannuation tax.....	5 00	
		400 00	
Wm. Lewis & Son.....	Iron work, eyebolts, wrench.....	24 87	
Henry King.....	Labour, boating and boat hire .....	181 80	
G. A. Barker.....	Soap, olive oil and alcohol.....	38 95	
W. H. Thorne & Co.....	Tar paper, nails, spikes and pails.....	68 20	
J. R. Cameron.....	Chimneys, burners and oil.....	41 20	
E. Ross.....	Oars.....	7 40	
Estey, Allwood & Co.....	Tallow, files, globe and valves.....	24 49	
Barbour & Staples.....	Paint and labour.....	80 86	
Brundage & Jackson.....	Boat sail.....	23 78	
John Woodley.....	Boat, \$51.50; repairing boat, \$10.....	61 50	
Coles & Parsons.....	Stovepipe.....	3 80	
Jas. Wilson.....	Boarding painter, \$12; repairing wharf, \$9 75.....	21 75	
L. C. Barney.....	Glass.....	171 62	
Intercolonial Railway.....	Freight.....	62 76	
E. Chantleoup.....	New lantern and fittings .....	926 68	
G. Hevenor.....	Galvanized iron, labour and repairing lantern.....	39 09	
C. E. Harding & Son.....	Lumber.....	6 72	
D. W. Clark & Sons.....	On account, labour and lumber.....	400 00	
John DeFeies.....	Expenses and services recovering lantern.....	179 00	
Jas. A. Burns.....	Boarding divers.....	14 50	
New Brunswick Trading Co.....	Towing scrow .....	5 00	
		2,783 97	
<i>Point Lepreaux Light.</i>			
G. H. Thomas.....	12 months salary as Keeper.....	400 00	
Horatio Dowdall.....	Labour on road.....	19 50	
Causey & Maxwell.....	Plastering and mason work.....	66 00	
W. N. DeWitt.....	Labour and repairs to dwelling .....	86 70	
W. H. Thorne & Co.....	Nails, shovels, coal hods, zinc.....	34 98	
Harding & Hatheway.....	Lime.....	1 15	
J. R. Cameron.....	Burners, wicks, chimneys.....	26 25	
John Woodley.....	Repairing boat.....	13 00	
Barbour and Staples.....	Painting boat.....	12 95	
G. A. Barker.....	3 galls. alcohol.....	12 45	
S. G. Blizard.....	Lumber.....	79 75	
Wm. Lewis & Son.....	Iron bolts, blocks and sheaves.....	31 40	
G. H. Thomas.....	Boarding labourers, lumber, etc.....	64 27	
G. Hevenor.....	Chimney top and pipe.....	13 15	
J. B. Hamm.....	4 days horse hire.....	16 00	
Harris Allan.....	Stove, \$7; pipe and fittings, \$10.01.....	17 01	
Sun Publishing Co.....	Advertising .....	15 00	
C. E. Harding & Son.....	Lumber .....	15 62	
		925 18	
<i>Portage Island Light.</i>			
Jas. Stymest.....	12 months salary as Keeper .....	\$ 197 52	
Receiver-General.....	do superannuation tax.....	2 48	
		200 00	
Carried forward.....		200 00	43,402 53

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

		\$ cts.	\$ cts.
	Brought forward .....	200 00	43,402 53
	<b>LIGHTHOUSES—Continued.</b>		
	<i>Portage Island Light—Concluded.</i>		
John Ferguson.....	White lead and oil .....	15 90	
R. R. Call.....	Freight on oil.....	6 00	
			221 90
	<i>Pokemouche Light.</i>		
Mrs. Philip Robicheaux ..	12 months salary as Keeper .....	\$ 197 52	
Receiver-General .....	do superannuation tax.....	2 48	
		200 00	
John Ferguson .....	White lead, oil and soap.....	59 55	
Seraphi Robicheaux.....	Carting, brush and lamps .....	20 00	
			279 55
	<i>Pea Point Light.</i>		
Alex. Davidson.....	12 months salary as Keeper .....	\$ 246 88	
Receiver-General .....	do superannuation tax.....	3 12	
		250 00	
T. B. Barker & Sons .....	Raw and boiled oil .....	35 45	
W. H. Thorne & Co. ....	Soap, turpentine and brushes .....	17 55	
Macaulay Bros. & Co ...	Flannel, toweling and waste.....	13 20	
Barbour & Staples .....	Labour, painting buildings .....	207 26	
Alex. Davidson.....	Allowance for fuel to 30th June, 1887 .....	20 00	
John Dewar .....	42½ galls. oil .....	14 25	
J. R. Cameron.....	Oil .....	8 95	
G. Hevenor.....	Repairing couplings.....	1 75	
			568 41
	<i>Passamaquoddy Bay Light.</i>		
Hugh Maloney.....	12 months salary as Keeper .....	\$ 345 64	
Receiver-General .....	do superannuation tax.....	4 46	
		350 00	
H. Greenlaw .....	Boating, water and labour .....	32 25	
J. R. Cameron.....	Chimneys, wicks, lamps.....	9 00	
Jiggins Coal Mining Ass.	8 tons coal, at \$1.95.....	15 60	
Hugh Maloney.....	Boating, freight, labour, sail.....	59 88	
H. G. Maloney.....	Boating, labour and stone work.....	134 13	
C. E. Harding & Son.....	Lumber .....	32 87	
John Woodley .....	Boat and oars .....	50 40	
Wm. Lewis & Son .....	Ironing boat .....	3 25	
Barbour & Staples .....	Painting .....	15 10	
T. McAvity & Son .....	Repairing reflector .....	40 00	
Obadiah Conley .....	11 days labour .....	16 50	
			758 98
	<i>Preston's Beach Light.</i>		
Thos. Lewis.....	12 months salary as Keeper .....	125 00	
M. Preston .....	do rent of land.....	20 00	
Phillip Floyd.....	Repairing iron work .....	7 00	
Danl. Lewis .....	do beacon .....	29 50	
J. H. Phinney .....	Lantern.....	0 90	
			182 40
	<i>Petit Rocher Light.</i>		
Hilarion Roy .....	12 months salary as Keeper .....	\$ 148 12	
Receiver-General .....	do superannuation tax.....	1 88	
		150 00	
			150 00
	Carried forward.....		45,563 77

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

		\$ cts.	\$ cts.
Brought forward.....			45,563 77
<b>LIGHTHOUSES—Continued.</b>			
<i>Poquesudie Light.</i>			
Octave Hachey .....	12 months salary as Keeper .....	\$ 148 12	
Receiver-General .....	do superannuation tax .....	1 88	
		150 00	
Rene LeBoutellier .....	do rent of land.....	4 00	
Robt. Young .....	Cotton, matches, nails .....	9 95	
John Ferguson .....	Soap, white lead, oil and cotton.....	48 65	
			212 60
<i>Public Wharf and Montgomery's Island Light.</i>			
Henry McNeil. ....	12 months salary as Keeper .....	122 50	
do .....	Lumber, nails and labour .....	5 95	
			128 45
<i>Palmer's Point Light.</i>			
R. R. Palmer. ....	12 months salary as Keeper .....	80 00	
G. Hevenor.....	Oil tank, \$15; repairing lantern, \$3.40.....	18 40	
			98 40
<i>Quaco Light.</i>			
Chas. Brown.....	12 months salary as Keeper .....	400 00	
Sarah J. Drake .....	Six-yard ensign .....	18 00	
J. R. Cameron.....	Chimneys, burners and reflectors .....	10 50	
Robt. Carson.....	Freight.....	1 85	
A. F. Dibble.....	19-foot boat, at \$3 per foot .....	57 00	
W. H. Thorne & Co.....	Tubing .....	6 79	
Edward A. Everett.....	Wall paper.....	2 60	
Chas. Brown .....	Lumber, cartage and boarding .....	17 21	
D. W. Clark.....	Amount paid J. Brown for right of way.....	150 00	
G. Hevenor.....	Oil tank and lamp.....	82 19	
			746 14
<i>Robertson's Point Light.</i>			
S. W. Robertson.....	12 months salary as Keeper.....	80 00	
J. R. Cameron.....	Chimneys and burners .....	5 30	
S. W. Robertson.....	Boarding painter 4 days.....	2 00	
Richard Robertson.....	5 days labour .....	10 00	
G. Hevenor.....	Sheet lead, lamp and labour.....	23 13	
			120 43
<i>Richibucto Light.</i>			
Fabrien Richard.....	12 months salary as Keeper.....	\$182 68	
Receiver-General .....	do superannuation tax.....	2 32	
		185 00	
Fabrien Richard.....	Making fence.....	51 00	
John Ferguson .....	White lead, paint and brushes.....	35 30	
			271 30
<i>Richibucto Beacon Light.</i>			
Pacificque Léger.....	12 months salary as Keeper.....	\$197 52	
Receiver-General .....	do superannuation tax.....	2 48	
		200 00	
Pacificque Léger.....	2 years allowance for fuel to 30th June, 1887.....	50 00	
			250 00
Carried forward.....			47,391 09

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

		\$ cts.	\$ cts.
Brought forward .....			47,391 09
<i>LIGHTHOUSES—Continued.</i>			
<i>Railway Wharf Light.</i>			
Geo. Cummings .....	12 months salary as Keeper.....	100 00	
Edward Hargnail.....	Amount of contract elevating light.....	20 00	
			120 00
<i>South Tracadie Light.</i>			
Jos. Forbes. ....	12 months salary as Keeper.....	\$148 12	
Receiver-General .....	do superannuation tax .....	1 86	
Wm. Ferguson.....	Rent of boathouse, \$5.00; stovepipe, \$7.01.....	150 00 12 01	
			162 01
<i>Swallow Tail Light.</i>			
John W. Kent .....	12 months salary as Keeper.....	\$395 00	
Receiver-General .....	do superannuation tax.....	5 00	
T. B. Barker & Sons.....	Soap and sponges.....	400 00 17 00	
T. S. Simms & Co.....	Brushes, brooms and pails .....	8 90	
W. H. Thorne & Co.....	Paint, nails, spikes, shovels, zinc.....	40 28	
J. R. Cameron .....	Wicks, chimneys, burners, lanterns.....	48 00	
S. J. Naves.....	Boat links, posts, iron work.....	33 23	
G. E. Harding & Son.....	Lumber .....	66 05	
Wm Lewis & Son.....	Iron, labour and tramway track.....	130 00	
E. Ross.....	2 pairs oars.....	4 75	
Benjamin Robinson .....	Repairing boat .....	6 50	
John W. Kent .....	Boarding men, \$34.39; postage account, 1885-86, \$8.00.....	42 39	
Joggins Coal Mining Association.....	15 tons coal, at \$1.95 .....	29 25	
J. R. Smith.....	3 doz baskets .....	14 40	
Estey, Allwood & Co....	Force pump, hose and pipe .....	60 90	
A. W. Ingersoll.....	Freight .....	5 45	
George T. Kent.....	Labour whitewashing .....	15 00	
John Woodley .....	Repairing boat.....	12 00	
Walter Lane.....	Labour and travelling expenses .....	54 80	
Thos. Redmond.....	Landing supplies, soap, white lead and rope.....	60 32	
Harris Allan.....	Blocks, pipe, rope and bolts.....	40 79	
			1,089 51
<i>St. Andrew's Light.</i>			
Geo. Pendlebury.....	12 months salary as Keeper .....	\$396 28	
Receiver-General .....	do superannuation tax .....	2 84	
John Pendlebury.....	Building fence, \$15.00; freight, \$3.75 .....	299 12 18 75	
J. R. Cameron.....	Wicks and chimneys.....	9 88	
Levi Hardy .....	Building chimney .....	18 93	
Robt. Glenn .....	Nails and lumber.....	15 14	
Geo. Pendlebury.....	Allowance for fuel to 30th June, 1887.....	20 00	
			381 82
<i>Spruce Point Light.</i>			
John Boyd.....	12 months salary as Keeper.....	120 00	
J. R. Cameron .....	Lamp and wicks .....	1 70	
Todd Bros.....	Cement, lime and nails .....	6 50	
John Boyd.....	Repairs and painting light .....	45 25	
James Murchie & Sons .....	Lumber.....	11 58	
			185 03
Carried forward .....			49,329 46

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

		\$	cts.	\$	cts.
Brought forward.....				49,329	46
<b>LIGHTHOUSES—Concluded.</b>					
<i>Sand Point Light.</i>					
Richard Wagner.....	12 months salary as Keeper.....	80	00		
J. R. Camerou .....	Wicks, chimneys and burners.....	10	50		
Jas. E. Ganong.....	Painting building.....	33	40		
Richard Wagner.....	Boarding painters, \$12.15; freight, \$3.32.....	15	47		
Robt. Clark.....	Settlement in full for rent and cutting trees to March, 1887.....	75	00		
				<b>214</b>	<b>37</b>
<i>Shediac Light.</i>					
M. Robinson.....	12 months salary as Keeper.....	\$246	88		
Receiver-General.....	do superannuation tax.....	3	12		
				250	00
Ferdinand Ouellet.....	Repairing lamps.....	1	00		
Geo. Wait.....	Boat and oars.....	40	00		
J. R. Cameron.....	Burners, chimneys and wicks.....	10	00		
G. Hevenor.....	Repairing lamps.....	1	75		
				<b>302</b>	<b>75</b>
<i>Southern Wolf Light.</i>					
Ezra Munroe.....	12 months salary as Keeper.....	\$494	36		
Receiver-General.....	do superannuation tax.....	5	64		
				500	00
W. H. Thorne & Co.....	Nails.....	2	40		
C. E. Harding & Son.....	Lumber.....	153	83		
Joggins Coal Mining Ass.	15 tons coal, at \$1.95.....	29	25		
Ezra Munroe.....	Labour on oil, stone and wall.....	67	00		
Alfred Wadlin.....	Freight on shingles.....	12	10		
E. A. Munroe.....	Labour, repairing wall and barn.....	35	00		
				<b>799</b>	<b>58</b>
<i>Shippegan Light.</i>					
F. H. Dumaresq.....	12 months salary as Keeper.....	\$276	48		
Receiver-General.....	do superannuation tax.....	3	52		
				280	00
F. H. Dumaresq.....	Wood and carting brush.....	9	00		
Wm. Furing & Co.....	Freight on oil.....	4	00		
Thos. DeGrace.....	8 days labour painting.....	8	00		
John Ferguson.....	Soap, glass and oil.....	55	15		
				<b>356</b>	<b>15</b>
<i>Sheldrake Island Light.</i>					
Duncan Morrison.....	12 months salary as Keeper.....	\$296	28		
Receiver-General.....	do superannuation tax.....	3	72		
				300	00
				<b>300</b>	<b>00</b>
<i>South West Head Light.</i>					
W. B. McLaughlin.....	12 months salary as Keeper.....	\$493	72		
Receiver-General.....	do superannuation tax.....	6	28		
				500	00
G. A. Barker.....	Soap, olive oil and alcohol.....	41	22		
Alvra McLaughlin.....	12 months rent of store-house.....	24	00		
T. S. Simms & Co.....	Brooms and brushes.....	7	00		
R. P. & W. F. Starr.....	5 tons hard coal.....	31	46		
J. R. Camerou.....	Chimneys, burners, wicks and globes.....	38	67		
C. E. Harding & Son.....	Lumber.....	148	77		
W. H. Thorne & Co.....	Nails, shovels, hinges and glass.....	67	82		
				<b>858</b>	<b>94</b>
Carried forward.....				<b>51,302</b>	<b>31</b>

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

		\$ cts.	\$ cts.
	Brought forward .....	858 94	51,302 31
<b>LIGHTHOUSES—Concluded.</b>			
<i>South-West Head Light—Concluded.</i>			
Joggins Coal Mining Ass.	12 tons coal, at \$1.95 .....	23 40	
Robt. Laskey .....	2 patent sheaves .....	5 00	
A. W. Ingersoll .....	Freight .....	7 25	
Ottawa McLaughlin .....	Carting oil, supplies and labour .....	429 80	
Irwin Ingalls .....	3 tons coal .....	15 75	
Dyer Wilcox .....	18 days assisting mason .....	20 00	
Fred Russel .....	1 day labour, supplies .....	2 00	
Wm. M. Brown .....	11 days labour at \$1, \$12; 35 lbs. hair, \$2.45 .....	24 45	
Walter Lane .....	48 do at \$2.50, \$120; 48 days labour at \$1.75, \$84; travelling expenses, \$14.70 .....	218 70	
Jas. R. Wilcox .....	Clearing brush, \$8; and landing supplies, \$4 .....	12 00	
Fawn Formell .....	Landing supplies, \$8; team and labour, \$37 .....	45 00	
E. Gaskill .....	Nails, locks and lumber .....	25 42	
Harris Allan .....	Cast iron .....	1 60	
Cleveland Russell .....	Horse hire, labour, carting supplies .....	10 00	
Wm. Wilcox .....	Carting coal, oil and supplies .....	24 00	
Wm. D. Wilcox .....	Clearing brush, \$8; and labour on supplies, \$2 .....	10 00	
Frank J. Whitnect .....	Repairing lantern .....	24 50	
S. J. Naves .....	Turn buckles and hinges .....	19 15	
W. B. McLaughlin .....	$\frac{1}{2}$ allowance for completing road .....	\$135 00	
do .....	Boarding labourers, labour and material .....	226 00	
		361 00	
C. H. Clark .....	1 doz brooms .....	3 00	
G. Hevenor .....	Oil tank, drip pans and repairs .....	40 36	
Geo. T. Kent .....	Freight .....	7 50	
A. H. Wormell .....	Digging drain .....	32 50	
John Joy .....	Labour landing supplies .....	4 00	
Magee Bros .....	5 tons hard coal, 40 barrels and labour .....	35 56	
			2,260 82
<i>Tracadie Light.</i>			
Wm. Archer .....	12 months salary as Keeper .....	\$271 60	
Receiver-General .....	do superannuation tax .....	3 40	
		275 00	
John Ferguson .....	White lead, oil and scap .....	48 35	
Wm. Archer .....	Allowance for fuel to 30th June, 1887 .....	10 00	
G. Hevenor .....	Repairing and resilvering reflectors .....	32 00	
J. & R. Young .....	15 galls. oil, at 40 cts .....	6 00	
			371 35
<i>Tabusintac Light.</i>			
Thos. Savoy .....	12 months salary as Keeper .....	\$ 197 52	
Receiver-General .....	do superannuation tax .....	2 48	
		200 00	
Romain Savoy .....	Surveying gullies, and plans, \$19; removing light, \$10 .....	29 00	
J. H. Phinney .....	Pipe .....	1 50	
			230 50
<i>Wilmot's Bluff Light.</i>			
J. D. Wilmot .....	12 months salary as Keeper .....	80 00	
G. A. Barker .....	Waste and chamois skins .....	2 70	
J. D. Wilmot .....	2 weeks boarding painter .....	\$ 7 00	
do .....	Lumber and cartage .....	3 00	
		10 00	
Jas. E. Ganong .....	Painting building .....	40 95	
			133 65
	Carried forward .....		54,293 63

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

		\$ cts.	\$ cts.
	Brought forward .....		54,298 63
	<i>LIGHTHOUSES—Concluded.</i>		
	<i>William's Landing Light.</i>		
R. C. Williams .....	12 months salary as Keeper .....	80 00	
G. Hevenor .....	Repairing lamps .....	4 60	
			84 60
	<i>FOG ALARMS.</i>		
	<i>Big Duck Island.</i>		
Samuel G. Dinsmore .....	9 months salary as Engineer .....	375 00	
C. E. Harding & Sons.....	Spars, deal and lumber .....	175 90	
Vaughan & Bros.....	Rope and oakum .....	45 14	
Joggins Coal Mining Ass.	40 tons coal, at \$1.95 .....	78 00	
Robt. Sinclair .....	12½ days labour.....	18 75	
Ira Guthrie .....	25 do .....	37 73	
Wm. Lewis & Son .....	Iron straps, blocks, eyebolts and steel .....	79 70	
A. W. Ingersoll .....	Freight .....	15 00	
S. G. Blizzard .....	Stove, \$15; lumber, \$39.50 .....	54 90	
G. Hevenor .....	Oil tank, drip pans and measures .....	75 92	
W. H. Thorne & Co. ....	Oil pipe, wrench, shovel, nails .....	47 25	
Wisdom & Fish .....	Pipe, valves and couplings .....	282 94	
Estey Allwood & Co.....	Gauge glasses .....	5 90	
Ooles & Parsons .....	Stovepipe .....	12 56	
J. R. Cameron .....	Lamps, burners and chimneys .....	21 35	
Hugh Belmore .....	15 cords wood .....	105 00	
John Woodley .....	Boat and oars .....	50 40	
W. Dinsmore .....	Labour on coal, carpenter work, etc.....	67 00	
S. G. Dinsmore.....	Boarding labourers and boiler makers .....	22 00	
Andrew Gilmore.....	10 days labour on reservoir .....	20 00	
Harris Allan .....	Cement, hose, valves and couplings .....	57 67	
Barbour & Staples .....	Paint and labour .....	14 71	
John W. Kent .....	Boating .....	18 00	
Loring Daggett .....	Boarding, carting wood, coal, etc .....	42 43	
Wm. Benson .....	Freight on coal.....	80 00	
Robt. Laskey & Sons .....	2 blocks .....	7 50	
Wm. Griffin .....	Boating .....	16 00	
Jos. Doody .....	Labour filling coal bags .....	10 07	
John Dinsmore .....	do storing do .....	16 00	
D. McLaughlin & Sons .....	Repairing boiler and tubes.....	129 10	
Thos. Redmond .....	Nails, brushes and water pails .....	8 05	
			\$ 1,989 97
	<i>Cape Enrage.</i>		
W. S. Starratt.....	12 months salary as Engineer.....\$ 395 00		
Receiver-General .....	do superannuation tax..... 5 00		
		400 00	
W. S. Starratt.....	Boarding boiler makers and travelling expenses. ...	62 88	
W. H. Thorne & Co. ....	Level and tapeline .....	7 25	
Joggins Coal Mining Ass	85 tons coal, at \$1 95 .....	169 65	
Robt. Carson .....	Freight on 75 tons coal .....	97 50	
Danl. Tingley .....	Carting 85 do .....	77 50	
Robt. Tingley .....	12½ cords wood.....	50 60	
			864 78
	<i>Escuminac.</i>		
Thos. Phillips .....	12 months salary as Engineer .....	\$ 395 00	
Receiver-General .....	do superannuation tax..... 5 00		
		400 00	
R. R. Call.....	40 tons coal, at \$5.35, \$214; freight, \$12.....	226 00	
	Carried forward .....	626 00	57,237 98

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

		\$ cts.	\$ cts.
	Brought forward.....	626 00	57,237 98
	<b>FOG-ALARMS—Continued.</b>		
	<i>Esquimaux—Concluded.</i>		
Sinclair & Jack.....	Labour landing 40 tons coal.....	45 00	
Carrier, Laine & Co.....	Fog-alarm and boiler..... \$980 00		
do .....	6 steel tongues..... 32 40		
		1,012 40	
James Mitchell .....	Removing machinery, painting and fitting boiler, labour.....	79 80	
Wm. Lewis & Son.....	Hose, pipe, couplings and labour.....	66 81	
Thos. Phillips .....	Expenses fitting up machinery..... \$70 51		
do .....	Amount A. & R. Loggies' bill..... 8 56		
		79 07	
Wm. Richard .....	Lumber.....	3 76	
Wm. Muirhead .....	Carting and use of tools.....	15 00	
John Ferguson .....	White lead, paint and brushes.....	105 40	
G. T. Phillips .....	Steam pipe and elbows.....	103 98	
James Fish.....	Carting boiler and machinery.....	48 00	
W. C. Anslow.....	Advertising.....	1 50	
J. W. Gregory .....	Freight on boiler.....	19 80	
Geo. Lewis.....	10 cords wood.....	35 00	
			2,241 52
	<b>Grindstone Island.</b>		
G. M. Russell.....	12 months salary as Engineer.....	300 00	
T. S. Simms & Co.....	Brooms and brushes.....	3 85	
T. B. Barker & Son .....	Soap, putty and paint.....	8 50	
J. Williard Smith.....	Freight on 85 tons coal.....	85 00	
Wm. Lewis & Son.....	Valves, flanges, fittings and labour.....	581 47	
John Russell.....	Carting coal and labour.....	21 25	
James Magee .....	Boating and shovelling coal.....	18 00	
G. M. Russell.....	Boarding engineers.....	56 53	
Paul C. Robinson.....	4 days shovelling coal.....	6 00	
J. R. Cameron.....	Burners, chimneys and globes.....	27 75	
Jas. R. Russell .....	Carting, labour, boating and team hire.....	86 00	
Alex. Rogers .....	Flannel, brooms and glass.....	9 61	
"Sun" Publishing Co.....	Advertising.....	10 00	
C. E. Harding & Sons.....	Lumber.....	23 08	
Robt. Carson .....	Freight on 80 tons coal, at \$1.....	80 00	
Percy Hamilton .....	5 days labour storing coal.....	7 50	
			1,324 54
	<b>Grand Manan.</b>		
James Tatten .....	3 months salary as Engineer to 30th September, 1886..... \$173 43		
Receiver-General.....	3 months superannuation tax..... 1 57		
		175 00	
Geo. T. Tatten.....	9 months salary as Engineer, from October 1st, 1886, to 30th June, 1887.....	412 50	
Geo. Tatten .....	Carting coal and water, shingles, wood.....	197 01	
Sarah J. Drake.....	Six-yard ensign.....	18 00	
Harding & Hatheway.....	4 barrels lime.....	3 00	
J. R. Cameron.....	Chimneys, burners and lamps.....	15 00	
J. R. Smith.....	2 doz. baskets.....	9 60	
T. B. Barker & Sons.....	2 gallons turpentine.....	1 75	
S. G. Blizard .....	Lumber.....	65 50	
Jas. Tatten.....	Boarding.....	46 00	
Wm. Lewis & Son.....	Repairing boiler, iron and boiler tubes.....	695 32	
Joggins Coal Mining Association.....	125 tons coal, at \$1.95.....	243 75	
Geo. Giffin.....	Lumber and labour.....	143 50	
Estey, Allwood & Co .....	Life buoy lines, saws and polish.....	25 25	
	Carried forward.....	2,051 18	60,804 04



STATEMENT of Expenditure in connection with the Maintenance of Lighthouses, Fog-Whistles, etc., in New Brunswick, etc.—*Continued.*

		\$ cts.	\$ cts.
	Brought forward .....	2,051 18	60,804 04
	<i>FOG-ALARMS—Continued.</i>		
	<i>Grand Manan—Concluded.</i>		
A. W. Ingersoll .....	Freight .....	2 00	
Wisdom & Fish .....	Inspirator pump, wrench and valves .....	61 16	
Vaughan & Bros .....	Boiler tubes, rope and oakum .....	205 34	
C. E. Harding & Sons.....	Lumber .....	96 40	
Geo. & Jas Tatten.....	Deed of right of way and labour.....	100 00	
Geo. Watt .....	Freight on boiler tubes .....	9 25	
Frauk Tatten .....	Carting and boating wood and lumber.....	161 50	
Wellington Tatten.....	60 days labour.....	75 00	
Samuel J. Naves.....	Spikes and eyebolts .....	10 34	
Wm. Benson.....	Freight on oil and deal.....	6 00	
W. N. McLean.....	Carting coal .....	28 00	
F. W. Wisdom.....	Cement .....	7 50	
Thos. Redmond.....	Room paper.....	4 50	
			2,818 17
	<i>Head Harbour.</i>		
Neil A. Seelye.....	12 months salary as Engineer.....	300 00	
J. R. Cameron.....	Wicks and chimneys .....	7 75	
C. E. Harding & Son.....	Water casks, kegs and lumber .....	91 75	
Neil A. Seelye.....	Labour, boarding Conley, postage, etc.....	161 18	
Hugh Belmore .....	Freight, \$10.00; wood and freight, \$84.00.....	94 00	
Joggins Coal Mining Association .....	44 tons coal, at \$1.95 .....	85 80	
Eatey, Allwood & Co.....	Hose .....	1 80	
Wisdom & Fish.....	Pipe and valves.....	45 16	
C. Allison .....	Examination of water.....	5 00	
Geo. Douglass.....	Freight .....	11 90	
John D. Small.....	Nails, putty and globes.....	7 11	
Jas. L. McLaughlin.....	Labour and material .....	85 75	
Wm. Lewis & Son.....	Pipe and grate.....	54 69	
Angus Fisher.....	Balance contract dwelling, \$175 00; extras, \$30.00.....	205 00	
			1,156 89
	<i>Letete.</i>		
Geo. Holmes .....	12 months salary as Engineer .....	\$394 36	
Receiver-General .....	do superannuation tax .....	5 64	
			400 00
Hugh Belmore.....	9 cords wood and freight, at \$7.....	63 00	
Joggins Coal Mining Ass.	40 tons coal, at \$1 95 .....	78 00	
Sydney Dines.....	Assisting engineer, 12 months .....	150 00	
Obadiah Conley.....	3 days labour at \$1.50, \$4.50; travelling expenses, \$1.50 .....	6 00	
Geo. Holmes.....	Boarding labourers, stone and cartage.....	26 60	
Jos. Chambers .....	Carting coal and wood.....	31 00	
Wm. Lewis & Son .....	Pipe, valves and bolts .....	34 91	
Harris Allan.....	Inspirator, pipe and valves.....	35 91	
A. & J. McLean.....	Twine .....	2 90	
Wisdom & Fish.....	Pipe and fittings.....	63 16	
Geo. Chubb .....	White lead and lumber .....	8 17	
S. G. Blizard.....	Lumber.....	75 40	
			975 05
	<i>Miscou.</i>		
Robt. Rivers.....	12 months salary as Engineer.....	\$296 28	
Receiver-General .....	do superannuation tax.....	3 72	
			300 00
R. R. Call .....	50 tons coal, at \$5.35.....	267 50	
Robt. Rivers.....	Labour, carting and travelling expenses .....	85 00	
			352 50
	Carried forward .....	852 50	65,754 15

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

		\$ cts.	\$ cts.
	Brought forward.....	652 50	85,754 15
	<b>FOG-ALARMS—Continued.</b>		
	<i>Miscou—Concluded.</i>		
J. R. Cameron.....	Wicking .....	1 20	
John Ferguson.....	Coal bags, rope and packing.....	135 60	
John Chesson.....	12 cords wood.....	38 00	
			825 30
	<i>Machias Seal Island.</i>		
Chas. F. Seely.....	12 months salary as Engineer.....	500 00	
Hugh Belmore.....	17 cords wood, at \$8.....	136 00	
Wm. Benson.....	Boating .....	174 00	
W. H. Thorne & Co.....	Nails, spikes, plane, powder .....	11 15	
J. R. Cameron.....	Lantern and globes.....	3 15	
Wisdom & Fish.....	Pipes, gaskets, canvas, pipe and fittings.....	248 45	
Chas. F. Seely.....	Boarding painters, boiler makers, labourers and labour .....	407 63	
Estey, Allwood & Co.....	Bitting .....	2 16	
Wm. Lewis & Son.....	Dies, blocks, fitting and repairing boiler .....	962 35	
Vaughan & Bros.....	Boiler tubes.....	52 48	
Wm. Quinn.....	Transporting men and iron.....	30 00	
C. E. Harding & Son.....	Lumber .....	48 47	
"Sun" Publishing Co.....	Advertising .....	9 60	
F. W. Wisdom.....	Rubber, hose, forge, packing and dies.....	69 45	
Troop & McLaughlin.....	475 ft rope .....	29 50	
G. Hevenor.....	Copper, stovepipe and labour.....	26 52	
			2,710 91
	<i>Partridge Island.</i>		
Jas. Wilson.....	12 months salary as Engineer .....	\$395 00	
Receiver-General.....	do superannuation tax .....	5 00	
			400 00
W. H. Thorne & Co.....	Nails, hinges, powder, rubber.....	95 25	
J. R. Cameron.....	Burners, chimneys and lamps.....	17 50	
Robt. Carson.....	Wood, freight and labour on coal.....	264 00	
S. G. Blizard.....	Lumber.....	178 87	
Thos. McGowan.....	Boarding carpenters and labourers.....	72 48	
Walter Lane.....	Carpenter work.....	199 50	
Henry King.....	Boating, carting and labour .....	910 65	
E. S. Hennigar.....	Mason work and labour .....	44 07	
Phillip & Gilbert Doody.....	24 days labour on drains .....	48 00	
Joggins Coal Mining Ass.....	125 tons coal, at \$1.95 .....	243 75	
Estey, Allwood & Co.....	Packing, gaskets, cleaners and bolts.....	18 12	
Jas Knox.....	7,500 galls. water .....	75 00	
Chas. E. Robinson.....	Hire of water tanks and barrels.....	7 70	
Allan Bros.....	Repairs to boiler .....	988 64	
J. & J. Mitchell.....	Labour bill excavating pond .....	117 00	
John Mitchell.....	do do .....	165 75	
John Smith.....	Labour and furnace bars.....	94 01	
Wm. Lewis & Son.....	Drills, picks, wrenches .....	30 53	
Barbour & Staples.....	Painting and glazing .....	157 09	
Jas. Wilson.....	Boarding labourers.....	236 40	
Wisdom & Fish.....	Gauge glasses .....	1 50	
Wm. Longon.....	Picking up boat.....	2 00	
Phillip Doody.....	3 days labour.....	6 00	
John Woodley.....	Repairing boat.....	25 00	
E. D. Jewett & Co.....	Towing wharf.....	10 00	
T. McAvity & Sons.....	Valves .....	12 00	
J. E. Ferris.....	Towing scows.....	15 00	
Tug "Neptune".....	do .....	5 00	
John R. Smith.....	6 doz. baskets.....	21 00	
C. E. Harding & Sons.....	Lumber.....	76 67	
	Carried forward .....	4,539 08	69,490 36

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

		\$ cts.	\$ cts.
	Brought forward.....	4,539 08	67,290 36
	<i>Fog-alarms—Concluded.</i>		
	<i>Partridge Island—Concluded.</i>		
Magee Bros.....	Weighing 53 tons, 19 cwt., 30 lbs. of coal.....	3 15	
D. McDermott.....	Carting 172 loads of coal.....	103 20	
R. C. Elkin.....	Towing scows.....	25 00	
F. W. Wisdom.....	Repairing whistle.....	4 00	
			4,674 43
	<i>Point Lepreaux.</i>		
Wm. A. Gallant.....	12 months salary as Engineer.....	\$ 444 36	
Receiver-General.....	do superannuation tax.....	5 64	
		450 00	
Causey & Maxwell.....	Brick, cement and building chimney.....	64 50	
W. N. DeWitt.....	Labour on dam and drain.....	154 50	
W. H. Thorne & Co.....	Lead, hose, glass, rope, nails.....	91 23	
J. R. Cameron.....	Wicks and chimneys.....	2 10	
Causey & DeWitt.....	Amount contracts and extras.....	1,186 19	
J. & L. B. Knight.....	Lumber and carriage.....	13 50	
Chas. Thompson.....	Cartage and labour.....	109 30	
Wm. Lewis & Son.....	Valves, couplings, bolts and labour.....	535 86	
Joggins Coal Mining Ass.	79 tons coal, at \$1 95.....	154 05	
H. H. Mott.....	Inspecting building.....	181 58	
Vaughan & Bros.....	Iron chimney.....	10 87	
Estey, Allwood & Co.....	Hose, couplings, valves.....	171 65	
J. B. Hamm.....	Horse hire, 3 days.....	12 00	
Wm. Gallant.....	Boarding labourers and labour.....	53 50	
Wisdom & Fish.....	Pipe unions, nipples, tube cleaners.....	122 19	
G. K. Hanson.....	Contract coal shed and repairs.....	206 49	
W. A. Gallant.....	Boarding painters and labourers.....	33 11	
Harris Allan.....	Taps and dies, pipe stocks, brushes.....	16 47	
Geo. H. Thomas.....	Boarding men, freight and labour.....	51 84	
G. Hevenor.....	Repairing whistle and labour.....	4 65	
W. F. Wisdom.....	Steam pump, \$350; pipe and valves, \$14.07.....	364 07	
			3,989 65
	<i>St. Martin's Head.</i>		
Geo. Briggs.....	12 months salary as Engineer.....	500 00	
W. H. Thorne & Co.....	Nails, baskets and tubs.....	18 65	
J. R. Cameron.....	Chimneys, lanterns and wicks.....	12 40	
Simon Tufts.....	Freight.....	22 75	
T. S. Simms & Co.....	Brushes, brooms and pails.....	7 00	
M. A. Ferguson.....	Carting supplies, lumber.....	25 40	
Joggins Coal Mining Ass.	60 tons coal, at \$1.95.....	117 00	
Samuel Briggs.....	Carting 50 tons coal.....	50 00	
Estey, Allwood & Co.....	Tongs and machinery oil.....	3 95	
G. Hevenor.....	Oil tank, valves, drip pans, labour.....	135 86	
D. L. Hutchinson.....	Clock.....	5 25	
Wm. Lewis & Son.....	Screw bolts and iron work.....	5 11	
Geo. Briggs.....	Boarding engineer.....	8 00	
Harris Allan.....	Pipe, taps, dies, stocks, pump, valves.....	50 37	
Daniel Armstrong.....	4 cords wood.....	6 00	
Geo. Elston.....	Making 3 ladders.....	6 48	
			974 22
	<i>Quaco.</i>		
Wm. Lewis & Son.....	Steel wire, blocks and straps.....	77 35	
W. H. Thorne & Co.....	Lead pipe.....	9 67	
T. McAvity & Sons.....	Valves and cocks.....	5 36	
Chignecto "Post".....	Advertising.....	3 00	
Douglas Stevens.....	Travelling expenses.....	7 98	
B. B. Brown.....	Freight for machinery.....	40 50	
F. W. Wisdom.....	Pipe and fittings.....	23 04	
			166 90
	Carried forward.....		79,095 56

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

		\$	cts.	\$	cts.
		Brought forward.....		79,095 56	
<b>SIGNAL GUN.</b>					
<i>Gannet Rock.</i>					
O. A. Kent .....	12 months allowance for services .....	100	00		
W. H. Thorne & Co .....	35 kegs powder, \$122 50; gun fittings, \$65.25 .....	187	75		
Jas. Ingersoll .....	Freight on powder .....	3	6c		
S. Hayward & Co .....	Powder .....	835	00		
L. V. Kent .....	Boating water .....	8	00		
H. E. Fraser .....	Freight on powder .....	12	00		
Macaulay Bros & Co .....	580 yards flannel .....	126	00		
Jas. Jordan .....	Freight on powder .....	20	00		
Wm. Benson .....	do \$75; oakum, \$8.40 .....	83	40		
T. R. Jones & Co .....	200 yards flannel .....	50	00		
Troop & McLaughlin .....	Oakum .....	35	25		
				1,461 00	
<b>INSPECTOR'S ACCOUNT.</b>					
Jas. Mitchell .....	12 months salary as Inspector.....	1,176	00		
Receiver-General .....	do superannuation tax.....	24	00		
				1,200 00	
<b>BUOYS AND BEACONS.</b>					
<i>General Account.</i>					
Wm. Lewis & Son .....	Granite rocks, chain and shackles .....	452	58		
John Y. Payzant .....	Rent of lot and warehouse, to 1st May, 1887.....	50	00		
Philip Doody .....	Labour stocking anchors and repairing road .....	17	25		
Wm. Black .....	Coal tar and nails .....	5	90		
Editor "Evening Mail" .....	Advertising tenders .....	2	50		
Barbour & Staples .....	Painting spar and iron can buoys.....	38	88		
C. E. Harding & Son .....	Spar, buoys and labour .....	92	00		
C. F. Fraser .....	Advertising bell buoy .....	2	50		
"Sun" Publishing Co... ..	do tenders, bell buoy .....	2	50		
				664 11	
<i>Bell Buoy.</i>					
Henry King .....	Boating, labour and tide work.....	82	60		
Wm. Lewis & Son .....	Chain, bolts, shackles and labour.....	335	69		
Richard Cline .....	Pilotage and lifting.....	15	00		
Vaughan & Bros .....	Chain.....	95	24		
Barbour & Staples .....	Painting.....	63	64		
C. E. Harding & Son .....	Lumber .....	16	86		
"Sun" Publishing Co... ..	Advertising .....	12	00		
Wm. Quinn .....	services as pilot and replacing .....	10	00		
Steam Tug "Lilly" and Owners .....	Towing buoys .....	25	00		
E. D. Jewett & Co.....	do .....	20	00		
				676 03	
<i>Belleisle.</i>					
John Ganong .....	Placing buoys.....				10 00
<i>Buctouche.</i>					
Marion Girouard .....	Placing buoy .....	10	00		
Jas. Keswick .....	do painting and lifting .....	34	00		
Maxime Girouard.....	do buoys .....	10	00		
				54 00	
Carried forward.....				83,160 70	

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

		\$ cts.	\$ cts.
Brought forward. ....			83,160 70
<b>BUOYS AND BEACONS—Continued.</b>			
<i>Bathurst.</i>			
E. D. Chase .....	Amount of contract placing buoys. ....	135 00	
do .....	On account do lifting .....	67 50	
		202 50	
<i>Beaver Harbour.</i>			
Andrew Green .....	Picking up buoy .....	3 00	
Philip Hutton .....	Lifting buoy .....	5 00	
Wm. Ash & Co. ....	Rope and paint .....	2 50	
E. W. Cross .....	Eyebolts and chain .....	4 18	
Wm. Lewis .....	Chain and shackles .....	8 52	
		23 20	
<i>Caraquet.</i>			
Louis Pourier .....	Placing and lifting .....		130 00
<i>Cocagne.</i>			
Camille Dupray .....	Placing and lifting .....	59 33	
Eustache Martin .....	Bushing channel .....	18 00	
		76 33	
<i>Dalhousie.</i>			
Andrew Elsligar .....	Amount of contract .....		100 00
<i>Dorchester.</i>			
Wm. Lewis & Son .....	Chain and iron work .....	67 94	
John A. Palmer .....	Freight on buoys, placing and lifting .....	37 00	
Thos. Anderson .....	Iron work .....	4 00	
Mary McNeil .....	Picking up buoy .....	4 00	
W. H. Thorne & Co. ....	Chain .....	8 91	
E. C. Palmer .....	Painting buoy .....	8 36	
		130 21	
<i>Grand Lake.</i>			
Calvin H. Purdy .....	Pacing buoys .....	122 00	
A. Coakley .....	do and lifting .....	61 00	
M. Y. Cox .....	do painting .....	63 50	
G. A. Munroe .....	do lifting, staking channel .....	143 00	
E. D. Dykeman .....	Scow hire, paint and oil .....	7 38	
Wm. Lewis & Son .....	Bolts, links, chain and labour .....	23 27	
		420 15	
<i>Grand Manan.</i>			
John Dixons .....	Placing, painting and iron work .....	59 60	
Wm. Lewis & Son .....	Chain, shackles and granite rocks .....	52 85	
Wm. Benson .....	Freight, placing, lifting and repairing buoys .....	54 00	
		166 45	
<i>Grand Anse.</i>			
Théophile Landry .....	Lifting, painting and placing .....		25 00
Carried forward .....			84,434 54

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

		\$ cts.	\$ cts.
	Brought forward. ....		83,160 70
<b>BUOYS AND BEACONS—Continued.</b>			
<i>Grindstone Island.</i>			
Wm. Wood .....	Freight, placing buoys and cartage.....	26 00	
Barbour & Staples.....	Painting buoys .....	9 64	
Vaughan & Bros.....	3,461 lbs. chain, at 4½c, \$155.75; cartage, 60c.....	156 35	191 99
<i>Head Harbour.</i>			
John Boyd.....	Painting and placing buoys .....		52 00
<i>Harvey.</i>			
H. E. Graves.....	Picking up, \$50.00; painting buoy, \$83.80.....	133 80	
Barbour and Staples.....	Painting buoys .....	8 85	
Wm. Wood.....	Lifting, placing and freight.....	166 50	
Wm. Lewis & Son.....	Iron can buoy, \$90.00; labour, \$36.50.....	126 50	435 65
<i>Lepreaux (Automatic).</i>			
Henry King.....	Boating, labour and tide work.....	74 70	
"Sun" Publishing Co....	Advertising .....	23 20	
Eatey, Allwood & Co....	Boiled oil and paint.....	6 90	
Wm. Lewis & Son.....	Shackles, bridle, chain and labour.....	213 00	
Barbour & Staples .....	Painting .....	24 79	
Bart Rogers .....	Placing buoys.....	20 00	
Steam tug "Lilly" and owners .....	Towing.....	175 00	537 59
<i>Little Shemogue.</i>			
Alex. Grant.....	Contract for placing and lifting.....		40 00
<i>Letete.</i>			
Robt. Ross.....	Chain.....	36 88	
Alex. Rapley.....	Cleaning, painting and placing .....	205 00	
R. Byers.....	Iron for buoy.....	8 51	
Jos. Chambers.....	Cleaning, painting, placing and iron work.....	97 05	
Sydney Dines.....	Iron links and bolts.....	6 10	
Aaron Hooper.....	Scraping, painting and placing.....	22 50	
E. Mc Nichol.....	8 days labour painting b. oy.....	16 00	
Geo. Chubb.....	Lead, oil, rope, paint .....	21 49	
Jas. H. McLeod.....	Labour finding latitude and longitude .....	5 00	418 53
<i>Miramichi.</i>			
Robt. J. Walls & Geo. Savoy.....	Placing and lifting buoys .....	430 00	
C. E. Fish.....	4 buoy stones .....	12 00	
Wm. Muirhead.....	Labour ironing buoys .....	71 35	
John Sadler .....	Rent of store and wharf.....	31 00	
Geo. Watt .....	Paint, oil and nails .....	23 48	
James Rae .....	2 buoy stones .....	20 00	
Robt. J. Walls.....	Repairing, painting and placing .....	140 75	728 58
<i>Neguac.</i>			
Romain Savoy.....	Lifting and placing buoys.....		100 00
	Carried forward.....		86,938 88

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

		\$ cts	\$ cts.
Brought forward.....			86,938 88
<b>BUOYS AND BEACONS—Continued.</b>			
<i>Pokemouche.</i>			
Dosity Blanchard.....	Repairing chain .....	6 50	
Jules Boudreau .....	192 lbs. chain .....	9 60	
Gustave Robicheaux .....	1 day's work .....	1 00	
Olivier Robicheaux.....	Labour, scow hire and placing buoys.....	29 00	
Maxime Robicheaux.....	193 lbs chain.....	9 60	
Vitale Lozier.....	Balance account painting and placing.....	48 00	
			103 70
<i>Petit Rocher.</i>			
Hilarion Roy .....	Painting, placing and lifting.....		19 50
<i>Pisarinco.</i>			
Wm. Lewis & Son .....	Spars, chain, granite rocks and labour .....	51 09	
Jas. Dalzell.....	Placing buoy .....	6 00	
			57 09
<i>Campobello.</i>			
Jos. Boyd.....	Placing buoys .....		45 00
<i>Port Elgin.</i>			
Jared. S. Silliber.....	Placing and lifting buoys .....		25 00
<i>Reed's Point Lamps.</i>			
St. John Gas Co.....	Bill for 12 months.....		80 00
<i>Dipper Harbour.</i>			
Wm. Lewis & Son.....	Chain and shackles.....		21 85
<i>Quaco.</i>			
Roland H. Brown.....	Boating and labour on bell buoy .....	33 00	
Wm. Lewis & Son.....	Blacksmith work, labour, repairing and scraping buoy.....	191 06	
J. B. Hamm .....	Horse hire.....	8 00	
Robt. Carson.....	Schooner hire and lifting buoy.....	35 00	
Wm. Black & Co. ....	1 bell 242 lbs., at 26c.....	67 22	
"Morning Herald" Print- ing Co.....	Advertising tenders.....	2 50	
Thos. E. Moran .....	Slippage on buoy.....	2 10	
Barbour & Staples.....	Painting .....	21 34	
			360 22
<i>Richibucto.</i>			
James Lawson.....	Placing buoys from Brown's yard to Kingston Bridge.....	30 00	
Paul Legoof.....	Amount of contract .....	270 00	
Jas. A. Jardine .....	Paid James Lawson, Buoying River to Brown's yard.....	60 00	
			360 00
Carried forward.....			88,011 24

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

		\$ cts.	\$ cts.
Brought forward .. .. .			88,011 24
<b>BUOYS AND BEACONS—Continued.</b>			
<i>Shippegan.</i>			
Wm. Lewis & Son .....	2 iron can buoys .....	\$271 87	
do .....	Anchors .....	68 14	
		340 01	
Peter DeGrace .....	Balance of contract .....	60 00	
Barbour & Staples .....	Painting buoys .....	17 92	
Donald Harper .....	Placing 2 iron can buoys .....	27 86	
		445 79	
<i>St. George.</i>			
Geo. McVicar .....	New buoys, painting and placing .....	24 75	
Jas. O'Brien .....	Iron and iron bolts .....	8 10	
Wm. Lewis & Son .....	Blocks .....	19 75	
Angus McVicar .....	Lifting 13 buoys, Magaguadavic River .....	57 00	
Samuel Dick .....	Replacing buoys .....	10 50	
John Fisher .....	Lifting 4 buoys, Digedequash River .....	20 00	
Alex. Dick .....	Placing do do .....	20 00	
Alex. McVicar .....	do do .....	57 00	
		217 10	
<i>Shediac.</i>			
F. F. Sherand .....	Anchor stone .....	1 50	
Daniel McQueen .....	Placing top on buoy .....	1 50	
Docity P. White .....	Making, placing and lifting buoys .....	91 00	
C. O. Hamilton .....	Paint, oil and white lead .....	5 50	
Geo. McQuarty .....	Painting buoys .....	1 50	
		101 00	
<i>St. John River.</i>			
Parker Glasier .....	Amount of contract, 1886 .....	300 00	
Morris Scovil .....	Placing buoy .....	8 50	
		308 50	
<i>St. Stephen.</i>			
Chas. Young .....	Lifting and replacing .....	51 50	
H. H. Reid .....	Chain and shackles .....	4 48	
Mark M. Young .....	Carting buoys .....	41 00	
		96 98	
<i>St. Andrew's.</i>			
John Quinn .....	Ironing buoy .....	5 44	
James Bell .....	Making, painting, lifting and placing .....	26 93	
		32 37	
<i>Shemogue.</i>			
Maxim DeGray .....	Amount of contract .....		40 00
<i>Split Rock.</i>			
Vaughan & Bros .....	Chain .....	120 42	
Wm. Lewis & Son .....	Links, shackles and labour .....	52 00	
Barbour & Staples .....	Painting buoy .....	25 13	
C. P. Hamm .....	Taking care of buoy .....	25 00	
"Sun" Publishing Co .....	Advertising .....	4 80	
		227 35	
Carried forward .....			89,480 33



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

		\$	cts.	\$	cts.
	Brought forward .....			89,480	33
<b>BUOYS AND BEACONS—Continued.</b>					
<i>Tabusintac.</i>					
Jonathan Palmer .....	Amount of contract.....			55	00
<i>Tracadie.</i>					
Vitale Arsexeaux .....	Painting, placing and lifting.....			150	00
<i>Washademoak.</i>					
G. W. Perry.....	Placing buoys and stakes .....	33	50		
D. McDonald .....	do and lifting buoys .....		11 00		
				44	50
<i>West Isles.</i>					
Thos. K. Parker .....	New buoy, painting and placing.....	118	00		
Wm. Lewis & Son .....	Stone, chain, spars and labour. ....	53	80		
J. F. Leonard.....	Freight on buoy.....	12	00		
				183	80
Chance, Bros. & Co.....	Apparatus and freight, £707 2s. 9d.....			89,913	63
"Sun" Publishing Co....	Advertising for tenders for supplies for lights.....			3,441	40
				2	20
Queen's Printer.....	Printing, etc.....			93,357	23
				62	15
				93,419	38
<i>Agent's Office.</i>					
J. H. Harding.....	12 months salary as Agent .....	\$1,764	00		
Receiver-General. ....	do superannuation tax.....	36	00		
				1,800	00
F. J. Harding .....	12 months salary as Clerk.....	783	96		
Receiver-General.....	do superannuation tax .....	16	00		
				799	96
Jos. Millar. ....	12 months salary as Janitor.....	493	68		
Receiver General .....	do superannuation tax .....	6	28		
				499	96
D. McAlpine .....	Directories.....	5	00		
S. J. King.....	Rent of P. O. Box for 1886-87.....	4	00		
J. & A. McMillan.....	Pens and blotting paper.....	20	34		
T. B. Hanington.....	Postage stamps.....	248	03		
Tippet, Burdett & Co.....	Repairing stamp and ribbon.....	4	50		
Campbell & Ellis.....	Rubber tubing .....	0	90		
Barnes & Co.....	Stationery .....	114	90		
D. L. Hutchinson. ....	Repairing bells and clock.....	9	65		
St. John Gas Co.....	Gas bill from May to 1st August, 1886 .....	6	78		
Jos. Millar .....	Petty expenses .....	25	30		
Ellen Hughes.....	Scrubbing offices and halls.....	24	00		
A. C. Smith.....	Water rates to 1st May, 1886.....	10	44		
W. H. Thorne & Co.....	Fire irons, \$2.85; hooks, \$2.90.....	5	75		
Mrs. Robert Whetsel.....	Ice for season, 1886.....	4	00		
				3,583	51
	Carried forward.....			93,419	38

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

		\$	cts.	\$	cts.
	Brought forward .....	3,583	81	93,419	38
	<b>BUOYS AND BEACONS—<i>Concluded.</i></b>				
	<i>Agent's Office—Concluded.</i>				
"Commercial News" Room.....	Subscription, 12 months.....		10 00		
A. Christie, W. W. Co...	Labour on window sashes.....		12 10		
J. & D. Howe.....	Paper cases, cabinet and copy holder.....		41 00		
"Sun" Publishing Co..	1 year's subscription to paper, to 31st Dec., 1887 ...		6 67		
Jane Millar.....	Washing towels.....		5 00		
		3,658	28		
Queen's Printer .....	Printing, etc.....		63 70		
				3,721	98
				97,141	36
	Refund, amount paid in error in excess to Imperial Oil Co.....				716 08
	<b>Total.....</b>			<b>96,425</b>	<b>28</b>

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No. 8

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights in Prince Edward Island, for the Fiscal Year ended 30th June, 1887.

		\$ cts.	\$ cts.
GENERAL ACCOUNT.			
Artemus Lord .....	11 months salary as Agent.....	\$1,078 00	
do .....	do superannuation tax.....	22 00	
		1,100 00	
Henry W. Mutch.....	11 months salary as warehouseman, etc.....	335 00	
A. Lord.....	Travelling expenses, stamps, cartage, etc.....	652 57	
Donald McLeod.....	11 months cleaning offices .....	22 50	
G. H. Hazard.....	Ink and memo. book .....	1 05	
S. W. Crabbe.....	Stovepipe, etc., for office.....	2 42	
H. W. Mutch.....	Moving expenses change of office.....	5 00	
John Gaffney.....	Door plate for office .....	2 00	
Prichard & Andrews.....	Official seal .....	4 00	
S. W. Crabbe.....	Olive oil, wicks, burners, chimneys, etc .....	325 52	
McDougald, Logie & Co.....	Paints and oils.....	330 46	
"Examiner" Pub. Co.....	Advertising .....	1 10	
P. E. I. Railway.....	Freight charges .....	100 21	
A. A. Telegraph Co.....	Telegraphing .....	23 21	
SS. "Coban".....	Freight on oil from Montreal.....	108 50	
Capt J. Hyde.....	Freight to Murray Harbour .....	3 89	
Imperial Oil Co.....	Invoice 600 cases oil.....	1,209 43	
"Herald" Printing Co.....	Advertising .....	3 25	
Milton Walsh.....	To pay wages, etc., building schooner.....	430 00	
The Telephone Co.....	Rent to 31st December, 1887, and messages.....	51 99	
J. Worth.....	Horse hire.....	8 00	
Charles Locke.....	Balance plank schooner "Prince Edward".....	47 00	
G. C. Green.....	Ash and elm planks .....	26 18	
W. W. Clark.....	Freight .....	1 61	
Burrell Johnston Iron Co.....	Galvanized iron windlass, etc .....	25 75	
C. B. McAlpine.....	2 directories.....	3 00	
Theo. J. Clarke.....	Pine plank .....	75 79	
Poole & Lewis.....	Pine decking.....	24 37	
Theo. L. Chappelle.....	Almanacs and express charges .....	2 35	
E. J. Hodgson.....	Rent warehouse to 31st December, 1886.....	70 00	
H. J. Orendale.....	Map of Prince Edward Island .....	2 00	
George Coombs.....	Rent oil store and wharfage.....	60 13	
Whiton Bros.....	Cotton duck, rope, etc.....	104 91	
F. W. Hyndman.....	Insurance .....	6 00	
P. Clarken.....	Labour .....	2 80	
T. McAvity & Son.....	Deck spikes .....	3 25	
A. Kennedy & Co.....	Galvanized iron nails.....	9 90	
Peake Bros.....	Glass, chain, nails, etc .....	81 77	
SS "Heather Belle".....	Freight charges .....	3 72	
A. Hermour & Son.....	Measures .....	2 45	
H. W. Mutch.....	Labour paid moving stores.....	8 97	
R. T. Holman.....	Stone and gravel.....	15 00	
J. A. Ritchie.....	Freight charges .....	1 63	
T. H. Pope.....	Spruce lumber.....	5 00	
W. A. Brennan.....	Advertising.....	1 75	
SS. "Miramichi".....	Freight charges.....	6 63	
Jas. Muirhead.....	Measuring fence and rent.....	17 00	
Carvell Bros.....	Freight charges .....	2 78	
W. Dillon.....	Making suit sails .....	29 82	
A. Duchemin.....	Block accounts .....	19 20	
Norton & Fennel.....	Nails.....	8 58	
Stairs, Son & Morrow.....	Cotton, bolts, rope.....	2 75	
John Coombs.....	Mounting charts.....	2 80	
	Carried forward.....	5,294 01	

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

		\$	cts.	\$	cts.
	Brought forward .....	5,294	01		
<b>GENERAL ACCOUNT—Concluded.</b>					
D. Rogers .....	Nails, spikes, rope, etc.....	59	19		
E. W. Taylor .....	Time piece for office .....	5	00		
Steam Navigation Co....	Freight charges .....	1	40		
Jas King .....	Labor .....	6	11		
Robins' Livery Stables...	Horse hire .....	3	00		
M. Walsh .....	Dory and tinware.....	25	73		
L. O. Barney .....	Plate glass .....	380	50		
				5,774	94
<b>LIGHTHOUSES.</b>					
<i>Block House Point Light.</i>					
A. McLaine .....	12 months salary as Light-keeper.....	\$335	72		
do .....	do superannuation tax.....	4	28		
do .....	do fuel allowance.....		340	00	
do .....	Truckage stores and board carpenters.....		32	00	
W. Brehaut.....	Plastering .....		7	32	
W. Stewart.....	Carpenter's repairs .....		6	00	
John Henry.....	Barrel lime .....		18	00	
Peake Bros.....	Rope, cotton, soap, towels, etc.....		0	75	
Militia and Defence Dept	Rent of site to 30th April, 1888.....		36	25	
S. W. Crabbe.....	Repairs, lamps, etc.....		4	87	
W. Dillon.....	Making signals and balls.....		3	15	
John Gaffney.....	Painting station (2 coats) .....		20	20	
			48	00	
				516	54
<i>Orwell Light.</i>					
John McDonald.....	12 months salary as Keeper.....		80	00	
do .....	Painting station.....		8	00	
Peake Bros.....	Soap, matches, cotton, &c.....		4	16	
				92	16
<i>Point Prim Light.</i>					
Michael McLeod.....	12 months salary as Keeper .....	\$296	24		
do .....	do superannuation tax.....	3	76		
do .....	do allowance for fuel.....		3	00	
do .....	do .....		32	00	
Peake Bros .....	Soap, towels, matches, etc.....		17	43	
S. W. Crabbe.....	Repairs to lamp.....		0	75	
				350	18
<i>Wood Island Light.</i>					
Jas. McMillan.....	6 months salary as Keeper .....	\$123	44		
W. D. McMillan.....	6 do do .....	123	44		
Receiver-General .....	12 do superannuation tax.....	3	12		
			250	00	
Jas. McMillan .....	Allowance for fuel .....		32	00	
Peake Bros.....	Soap, towels, matches, etc.....		14	28	
Neil McMillan .....	Freight stores.....		2	15	
				298	43
<i>Cape Bear Light.</i>					
Thos. H. Munn.....	12 months salary as Keeper.....	\$ 295	60		
do .....	do superannuation tax.....	4	40		
do .....	Coal, lumber, labour, etc.....		300	00	
do .....	do .....		38	52	
Peake Bros. & Co. ....	Soap, towels, matches, etc.....		20	62	
				359	14
	Carried forward.....			7,391	39

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

		\$ cts.	\$ cts.
Brought forward .....			7,391 39
<i>LIGHTHOUSES—Continued.</i>			
<i>Murray Harbour, Inner Light.</i>			
Jas. Penny, sr.....	12 months salary as Keeper .....	50 00	
Peake Bros.....	Soap, cotton, matches, etc .....	7 64	57 64
<i>Murray Harbour, Outer Light.</i>			
Abraham Daley.....	12 months salary as Keeper .....	50 00	
do .....	Repairs shingling tower .....	2 60	
Peake Bros .....	Soap, towels, matches, etc. ....	8 78	61 38
<i>Panmure Island Light.</i>			
William McDonald.....	12 months salary as Keeper .....	\$ 296 24	
do .....	do superannuation tax.....	3 76	
do .....	Allowance for fuel .....	300 00	
W. J. Fraser .....	For sledge lost at repairs, 1884. ....	32 00	
John Ball .....	Survey and plans of site .....	3 00	
Peake Bros .....	Soap, towels, matches, etc. ....	17 00	
Jas. Bourke.....	Truckage .....	15 48	
		0 16	367 64
<i>St. Andrew's Point Light.</i>			
Joseph Wightman .....	12 months salary as Keeper .....	100 00	
do .....	Allowance keeping winter light .....	25 00	
John Gaffney.....	1 pane plate glass .....	3 50	
M. Walsh.....	Repairs to lantern and gear.....	26 00	
J. Wightman, jr.....	Truckage and labour .....	5 25	
Peake Bros.....	Soap, towels, lock, nails, etc .....	8 94	
Jas. Bourke .....	Truckage, glass, etc., for repairs. ....	4 78	
do .....	iron work.....	1 00	174 47
<i>Inner Range, Georgetown.</i>			
Roger Westaway .....	12 months salary as Keeper .....	50 00	
do .....	6 months increase salary to 30th June, 1887. ....	15 00	
M. Walsh.....	Repairs to lantern and gear .....	9 15	
Peake Bros .....	Soap, matches, etc .....	7 71	81 86
<i>Cardigan River Light.</i>			
Angus Morrison .....	12 months salary as Keeper .....	100 00	
Jas. Bourke .....	Hand lantern .....	1 00	
Peake Bros.....	Soap, matches, towels, etc .....	7 12	108 12
<i>Souris East Light.</i>			
Angus McDonald.....	12 months salary as Keeper .....	\$197 48	
do .....	do superannuation tax.....	2 52	
do .....		200 00	
S. W. Crabbe.....	Coal, truckage, etc , \$12 75; paid plasterer, \$2.25. ....	15 00	
M. Walsh.....	Paints, brushes, etc .....	3 00	
Jas. Brennan.....	Repairs circular burner .....	1 50	
McDonald, McDonald & Co.....	Painting station, 2 coats.....	45 00	
Matthew, McLean & Co.....	Oil, glass, etc.....	4 41	
Peake Bros.....	Wall paper, etc .....	6 12	
	soap, towels, etc .....	11 71	286 74
Carried forward.....			8,529 24

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

		\$	cts.	\$	cts.
Brought forward.....				8,529	24
<i>LIGHTHOUSES—Continued.</i>					
<i>East Point Light and Fog-Alarm.</i>					
A. R. Beaton.....	12 months salary as Keeper.....	\$588	00		
do.....	do superannuation tax.....	12	00		
do.....	To pay cartage and labour on coal.....		600	00	
do.....	Postage stamps.....		33	92	
McKinnon & McLean.....	Repairs to fog-alarm.....		0	80	
McDonald, McDonald & Co.....	Cask of oil and truckage.....		11	26	
John Coffin.....	Truckage on 50 cases oil.....		14	00	
B. Creamer.....	Building scow.....		8	00	
Intercolonial Coal Co.....	50 tons coal, at \$1.....		40	00	
A. Kennedy & Co.....	Freight on coal.....		100	00	
S. W. Crabbe.....	Glass, rubber, etc., for alarm.....		65	00	
M. Walsh.....	Expenses and labour at repairs.....		7	90	
McDonald, McDonald & Co.....	Paid plasterer, cement work, repairs, etc.....		24	40	
A. Chevrier.....	Truckage from Souris.....		20	50	
A. D. McDonald.....	Lumber for repairs and labour.....		2	50	
Matthew, McLean & Co.....	Glass and putty.....		15	02	
Peake Bros.....	Soap, matches, towels, etc.....		1	60	
Norton & Fennel.....	Tape, dies and plyers.....		36	93	
			6	00	
				987	83
<i>St. Peter's Harbour Light.</i>					
W. W. McGraith.....	12 months salary as Keeper.....		130	00	
do.....	Expenses moving range.....		11	00	
B. Trowsdale.....	8 cedar sills.....		13	60	
A. McDonald.....	Materials and labour at repairs.....		43	00	
Poole & Lewis.....	Pine lumber, etc.....		13	26	
Peake Bros.....	Soap, matches, etc.....		16	81	
				227	67
<i>Savage Harbor Light.</i>					
Augustin McDonald.....	12 months salary as Keeper.....		100	00	
do.....	Expenses moving range.....		16	00	
S. W. Crabbe.....	Repairs to lantern.....		5	50	
E. W. Taylor.....	Time piece.....		2	25	
Peake Bros.....	Soap, cotton, matches, etc.....		19	47	
				143	22
<i>Grand Tracadie Lights.</i>					
Michael Ready.....	12 months salary as Keeper.....		100	00	
do.....	Expenses, moving ranges (twice).....		128	00	
do.....	Repairs to tower and truckage stores, etc.....		27	23	
Poole & Lewis.....	Lumber for repairs.....		16	75	
R. Palmer & Co.....	Door, window, frames, etc.....		8	00	
Peake Bros. & Co.....	Soap, matches, etc., and hire of blocks.....		16	11	
				296	08
<i>Covehead, Inner Range.</i>					
Ernest McMillan.....	12 months salary as Keeper.....		58	33	
Peake Bros.....	Soap, matches, etc.....		2	61	
				60	94
	Carried forward.....			10,244	88

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

		\$ cts.	\$ cts.
Brought forward.....			10,244 99
<i>LIGHTHOUSES—Continued</i>			
<i>Covehead, Outer Range.</i>			
Donald McMillan.....	12 months salary as Keeper.....	41 67	
Peake Bros.....	Rope, nails, &c.....	8 97	
			50 64
<i>South Rustico Lights.</i>			
W. H. Ford.....	12 months salary as Keeper.....	100 00	
S. W. Crabbe.....	Repairs to lantern, etc.....	14 90	
Peake Bros. & Co.....	Rope, nails, canvas, soap, etc.....	17 85	
W. Stewart.....	Carpenter, labour at hut for keeper.....	28 00	
W. McInnis.....	Truckage and labour.....	10 00	
H. Percy.....	Dory for keeper.....	15 00	
Poole & Lewis.....	Lumber for keeper's hut.....	21 24	
R. Palmer & Co.....	Planing lumber, etc.....	3 76	
			210 75
<i>North Rustico Lights.</i>			
Thos. G. Pursey.....	12 months salary as Keeper.....	100 00	
do.....	Allowance for fuel.....	20 00	
do.....	Truckage, oil and stores from Charlottetown.....	5 00	
do.....	Labour and moving range, whiting, etc.....	12 23	
S. W. Crabbe.....	Repairs to lantern and lamps.....	4 09	
Peake Bros.....	Soap, cotton, matches, etc.....	9 99	
			151 31
<i>New London Lights.</i>			
George McKenzie.....	12 months salary as Keeper.....	100 00	
Peake Bros.....	Soap, matches, etc.....	5 58	
			105 58
<i>Fish Island Lights.</i>			
Angus J. McLellan.....	12 months salary as Keeper.....	\$246 88	
do.....	do superannuation tax.....	3 12	
do.....	Allowance for fuel.....	250 00	
Edward Larkins.....	New sills under range lights.....	32 00	
Peake Bros.....	Soap, cotton, towels, etc.....	28 00	
M. Walsh.....	Repairs to lantern.....	19 47	
			14 00
			343 47
<i>Little Channel Light.</i>			
William Hardy.....	12 months salary as Keeper.....	100 00	
B. Trowsdale.....	8 cedar sills for range.....	12 80	
Peake Bros.....	Soap, matches, cotton, etc.....	9 66	
			122 46
<i>Sandy Island Lights.</i>			
John McCabe.....	12 months salary as Keeper.....	\$ 197 48	
do.....	do superannuation tax.....	2 52	
do.....	Fuel allowance.....	200 00	
do.....	Shingling and painting.....	32 00	
do.....	Soap, cotton, matches, etc.....	5 25	
Peake Bros.....	Soap, cotton, matches, etc.....	16 82	
J. F. Weeks.....	Paper, shingles, nails, etc.....	8 99	
John Collins.....	Carpenter work at doors.....	6 00	
George Wells.....	Brush, stone and labour.....	150 00	
John McBeth.....	Repairs plaster, cement, etc.....	14 90	
			433 96
Carried forward.....			11,663 16

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

		\$ cts	\$ cts.
Brought forward.....			11,663 16
<b>LIGHTHOUSES—Continued.</b>			
<i>Alberton Range Lights.</i>			
John Mountain .....	12 months salary as Keeper .....	80 00	
do .....	To pay for 10 gallons oil. ....	3 00	
Peake Bros. ....	Rope, duck, nails, soap, matches, etc. ....	16 10	
W. Stewart. ....	Carpenter work at alteration. ....	30 97	
Jas. Barclay .....	Spar .....	5 00	
J. H. Cunningham.....	Iron work.....	7 75	
G. Wells.....	Labour, board of carpenter, etc .....	30 25	
H. P. Woods .....	Iron work.....	3 50	
			176 57
<i>Tignish River Lights.</i>			
Isidore Gaudette .....	12 months salary as Keeper .....	130 00	
do .....	Truckage, labour, etc.....	21 99	
S. W. Crabbe.....	Stove for light room.....	6 00	
H. P. Woods .....	Iron work.....	4 00	
M. Walsh.....	New brass lantern for range, etc .....	31 56	
F. Gallant .....	Repairs and painting .....	27 50	
Peake Bros.....	Soap, cotton, nails, etc.....	19 60	
			240 65
<i>North Cape Light.</i>			
Augustine Hackett .....	12 months salary as Keeper .....	300 00	
do .....	Allowance for fuel .....	32 00	
S. W. Crabbe. ....	Sheet copper.....	11 65	
H. P. Woods .....	Iron work .....	7 00	
M. Walsh.....	Set new brass lamps and ventilator vane ..	61 05	
A. Hackett .....	Truckage, board, labour, etc .....	8 25	
Peake Bros. ....	Nails, sheet lead, soap, etc.....	47 42	
W. Stewart.....	Carpenter work at windows, etc.....	43 30	
Poole & Lewis.....	Lumber.....	8 28	
R. Palmer & Co.....	Planing lumber .....	0 46	
D. Rogers .....	Well wheel and rope .....	1 33	
			520 74
<i>West Point Light.</i>			
William McDonald.....	12 months salary as Keeper .....	\$ 296 24	
do .....	do superannuation tax .....	3 76	
do .....	Fuel allowance .....	300 00	
do .....	Truckage stores, etc., from O'Leary station ..	32 00	
M. Walsh.....	Repairs to lamps .....	12 80	
Edmond Ladner .....	Carpenter repairs .....	36 00	
John Auld .....	Lumber for repairs .....	28 62	
McKinnon & McLean.....	Repairs to gear .....	1 80	
Peake Bros. ....	Repairs, supplies, soap, matches, etc.....	35 67	
			458 89
<i>Cape Egmont Light.</i>			
Bruno Perry.....	12 months salary as Keeper .....	200 00	
do .....	Fuel, truckage, labour, etc. ....	17 05	
do .....	Allowance digging well .....	15 00	
M. Walsh.....	Labour erecting lantern and repairs gear. ....	93 80	
Peake Bros .....	Nails, rope, soap, matches, etc .....	15 66	
S. W. Crabbe.....	Oil, varnish, etc .....	3 57	
D. Rogers .....	Chain, well wheel, glass, etc.....	7 40	
			352 48
Carried forward.....			13,412 49



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

		\$ cts.	\$ cts.
Brought forward .....			13,412 49
<i>LIGHTHOUSES—Continued.</i>			
<i>Indian Point Light.</i>			
Jas. Walsh .....	12 months salary as Keeper .....	\$ 345 60	
do .....	do superannuation tax .....	4 40	
		350 00	
do .....	Allowance for fuel .....	12 00	
M. Walsh .....	To pay balance labour, stone, brush, etc. ....	162 04	
do .....	To pay repairs damage by gale .....	15 00	
H. P. Woods .....	Iron work .....	25 65	
Peake Bros .....	Soap, matches, cotton, cement, etc. ....	38 63	
Albert A. Howatt .....	Painting station, 2 coats .....	30 00	
D. Rogers .....	Rope, nails, iron, etc .....	27 51	
Ellis Schurman .....	Lumber .....	10 38	
M. Mathieson .....	Repairs to keeper's boat, etc. ....	10 00	
M. Walsh .....	To pay labour .....	5 00	
			686 21
<i>Summerside Wharf Light.</i>			
Charles Donahue .....	12 months salary as Keeper .....	100 00	
Peake Bros .....	Soap, matches, cotton, etc. ....	14 05	
			114 05
<i>Sea Cow Head Light.</i>			
M. P. O'Ronaghan .....	12 months salary as Keeper .....	\$ 246 88	
do .....	do superannuation tax .....	3 12	
		250 00	
do .....	Fuel allowance .....	32 00	
do .....	Truckage, lumber, etc .....	3 00	
M. Walsh .....	Labour and materials for repairs .....	9 71	
John Ball .....	Survey and plans of site .....	10 00	
Peake Bros .....	Soap, matches, cotton, etc .....	19 28	
Ellis Schurman .....	Posts, rails, boards, etc .....	23 77	
D. Rogers .....	Lock, nails, hinges, etc .....	6 90	
			354 66
<i>Crapaud Harbour Light.</i>			
Percy H. Palmer .....	12 months salary as Keeper .....	100 00	
Peake Bros .....	Soap, matches, cotton, etc .....	8 90	
			108 90
<i>Crapaud Inner Range Light.</i>			
S. J. B. Leard .....	12 months salary as Keeper .....	60 00	
do .....	Repairs to light room .....	6 68	
S. W. Crabbe .....	Glass, lamp and reflector .....	3 75	
Peake Bros .....	Glass, matches, soap, etc .....	11 50	
M. Walsh .....	New galvanized light gear .....	9 00	
			90 93
<i>St. Peter's Island Light.</i>			
W. Hewson .....	12 months salary as Keeper .....	\$197 48	
do .....	do superannuation tax .....	2 52	
		200 00	
do .....	Labour painting tower .....	16 50	
do .....	Truckage, coal and stores .....	6 00	
Peake Bros .....	Soap, matches, cotton, etc .....	8 15	
Chance Bros .....	Anchor light lens .....	116 07	
Charles Lyons .....	2½ tons coal .....	5 89	
Peake Bros .....	Tar and iron work for boat .....	3 55	
			356 16
Carried forward .....			15,123 40

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

		\$ cts.	\$ cts.
Brought forward .....			15,123 40
LIGHTHOUSES— <i>Concluded.</i>			
<i>Miminigash Range Lights.</i>			
John Ball.....	Survey and plans, inner range.....	10 50	
S. W. Crabbe.....	Bolts and nuts.....	1 93	
D. Rogers.....	Hinges, glass, etc.....	3 06	
Peake Bros.....	Cotton, matches, soap, etc.....	12 66	
M. Walsh.....	New brass lantern and labor.....	31 25	
H. P. Woods.....	Iron work.....	5 76	
			68 15.
BUOYS AND BEACONS.			
Matthew Dunn.....	12 months contract, Summerside Buoys, to 12th April, 1887.....	125 00	
John McDonald.....	12 months contract, Orwell and Vernon River, to 30th June, 1887.....	53 00	
Jonathan McLeod.....	18 months contract, New London, to 30th June, 1887.....	120 00	
Albert Anderson.....	12 months contract, St. Peter's Bay, to 15th November, 1886.....	50 00	
Matthew Dunn.....	12 months contract, Bedeque Bay, to 1st November, 1886.....	28 00	
Thos. Montgomery.....	Staking cut to wharf, season 1886.....	4 00	
W. B. Howlett.....	12 months contract, Grand River (Lower), to 20th October, 1886.....	30 00	
Mrs. W. B. Howlett.....	Buoy service, Grand River (N. and L.), to 30th June, 1887.....	30 00	
Alex. McLallen.....	12 months contract, Egmont Bay, to 30th June, 1887.....	35 00	
Jas. E. Palmer.....	13 do Miminigash, to 12th May, 1887.....	50 00	
John E. McLean.....	18 do East River, to 22nd October, 1887.....	172 50	
Donald Campbell.....	Buoy service, season 1886-87, Tracadie.....	62 00	
Peake Bros.....	Chain, paint, oil, etc.....	9 55	
J. B. Clarke.....	12 months, Pinette, to 30th June, 1887.....	55 00	
Edward Larkins.....	Buoy service, in August, 1886, Malpeque.....	13 50	
Alex. Thomson.....	Buoy service, season 1886-87.....	109 04	
Peake Bros.....	New buoys and chain.....	78 07	
H. P. Woods.....	New buoy and iron work.....	32 00	
O. Connolly.....	1 puncheon and freight.....	3 41	
Alex. McGillivray.....	18 months contract, to 30th June, 1887, Upper Cardigan.....	45 00	
John McCormack.....	Buoy account, season 1886-87, East and West Souris.....	53 25	
Matthew McLean & Co.....	Chain and rope.....	3 10	
George McKay.....	Buoy account, season, 1886-87, North Rustico.....	95 00	
McKinnon & McLean.....	Buoy weight do.....	6 30	
Peake Bros.....	Chain and iron work do.....	5 83	
W. T. Ellis.....	12 months contract, to 10th October, 1886, Port Hill.....	55 00	
Jas. McMillan.....	Buoy account, season 1886, Covehead.....	25 00	
Peake Bros.....	New buoy and chain do.....	31 46	
Charles McAdam.....	Buoy account, season 1886, Savage Harbor.....	27 00	
Peake Bros.....	Chain do.....	7 46	
George Wells.....	Buoy account, season, 1886-87, Cascumpec.....	257 50	
J. T. Weeks.....	Tar, oil, paint, etc. do.....	7 48	
J. H. Cunningham.....	Iron work do.....	15 61	
Peake Bros.....	Chain, tar, etc. do.....	21 42	
William McDonald.....	Buoy account, season 1886-87, West Point.....	35 00	
Peake Bros.....	Chain, etc. do.....	24 54	
William Hardy.....	Buoy account, season 1886-87, Little Channel.....	45 00	
H. P. Woods.....	New buoy and iron work.....	28 00	
Percy H. Palmer.....	12 months contract, to 31st December, 1886, Crapaud.....	58 00	
D. Brown.....	Buoy account, season 1886-87, Pownal Bay.....	50 80	
A. A. Moon.....	Allowance as harbor master do.....	10 00	
Peake Bros.....	Chain, paint, iron, &c. do.....	11 36	
Carried forward.....			1,979 18

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

		\$ cts.	\$ cts.
Brought forward.....		1,979 18	
<b>BUOYS AND BEACONS—<i>Concluded.</i></b>			
John E. McLean .....	6 months contract, to 30th April, 1887, Charlotte-	225 00	
do .....	town .....		
do .....	Furnishing and placing winter buoy, Charlottetown	20 00	
David Small.....	Expenses about do do ...	4 45	
"Herald" Printing Co..	Advertising, buoy service do ...	1 00	
"Examiner" Publishing	do do do ...	0 50	
Co.....	do do do ...	0 50	
John Haggart.....	Buoy account, season 1886-87, Georgetown.....	85 25	
Peake Bros .....	Chain and iron work do .....	32 98	
George Wearshuber.....	1 year's contract, to 31st December, 1886 (less \$5),		
	Montague.....	35 00	
Hugh Campbell.....	1 year's contract, to 31st December, 1886, Rollo Bay	30 00	
D. McDonald .....	Buoy account, season 1886, Lower Cardigan.....	45 00	
Edward McKay.....	1 year's contract, to 31st December, 1886, Murray		
	Harbor.....	85 00	
John Reilly.....	1 year's contract, to 31st December, 1886, Baie		
	Fortune .....	15 00	
Joseph F. Reeves .....	Buoy account, season, 1886, Beach Point.....	16 00	
Angus Gallant.....	do do South Rustico .....	27 00	
W. H. Bate.....	Lifting Point Prim Reef buoy, fall 1886.....	20 00	
			2,621 36
Queen's Printer.....	Printing, etc .....		17,812 91
			39 22
Total .....			17,852 13

Wm. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No. 9

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Maintenance of Lights, British Columbia, for the Fiscal Year ending 30th June, 1887.

		\$ cts.	\$ cts.
<b>AGENCY RENTS AND CONTINGENCIES.</b>			
H. G. Lewis.....	12 months salary as Agent .....	\$1,567 92	
do .....	do superannuation tax .....	32 08	
do .....	Travelling and incidental expenses, postage, etc...	1,600 00	
W. S. Wiffen.....	191½ days assistance in office, at \$3 per day.....	74 35	
W. Gregory.....	12 months salary as Janitor .....	120 00	
T. N. Hibben & Co.....	Stamp, letter books, stationery, etc.....	69 54	
Smith & Clarke.....	Making 2 cases of pidgeon holes, etc.....	13 76	
J. Weiler.....	9 yards cocoa matting, laying, etc.....	10 70	
do .....	For office .....	0 87	
Telegraph and Signal Service.....	Telegraphic messages, to 30th June, 1886.....	10 70	
M. Miller.....	Printing and binding 1 M. checks .....	10 00	
Victoria "Standard".....	1 year's subscription to daily paper.....	10 00	
"The Colonist".....	Printing 1 M. linen letter heads.....	9 00	
R. T. Williams.....	Stamps (India rubber), etc.....	4 50	
Jacob Seht.....	1 office stool.....	4 00	
Shears & Page.....	½ doz towels.....	1 80	
Queen's Printer.....	Printing .....	33 53	
			2,547 25
<b>GENERAL ACCOUNT.</b>			
Standard Oil Co.....	2,450 galls. coal oil .....	596 00	
John Muir.....	11 days charter of scow "Katie," at \$8.....	88 00	
R. Dunsmuir & Sons.....	16 tons of coal, at \$4.50 .....	72 00	
Hudson Bay Co.....	1 bale gunny sacks.....	42 50	
E. B. Marvin.....	150 lbs. rope.....	27 00	
John Devereux.....	Extra labour coaling lighthouses.....	26 25	
Ontario, Richelieu and Navigation Co.....	Freight and wharfage on coal oil.....	20 00	
S. L. Kelly & Co.....	Second hand stove and pipe .....	16 75	
John Robertson.....	Eyebolts, steel key, etc .....	9 25	
P. McQuade & Sons.....	1 barrel lime.....	5 50	
Telegraph Service.....	Telegraph messages .....	9 00	
Victoria Gas Co.....	Tar.....	3 75	
Turner, Beeton & Co.....	Freight and charges on 20 cases coal oil.....	1 95	
Wm. Blake & Co.....	Bell and apparatus .....	70 69	
			988 64
<b>LIGHTHOUSES.</b>			
<i>Active or Plumper Pass Lighthouse.</i>			
Henry Georgeson.....	15 months salary as Keeper .....	625 00	
R. Dunsmuir & Sons.....	2 tons coal, at \$4.50.....	9 00	
E. B. Marvin.....	Paint, soap, soda, etc.....	7 72	
T. Sholbolt.....	Spirits of wine, sponge, glycerine.....	4 47	
T. N. Hibben & Co.....	Stamps, ink, pencils, etc.....	3 45	
			649 64
	Carried forward.....		4,185 53

STATEMENT of Expenditure in connection with the Maintenance of Lights  
in British Columbia, etc.—*Continued.*

		\$	cts.	\$	cts.
	Brought forward .....				4,185 53
	<i>LIGHTHOUSES—Continued.</i>				
	<i>Beren's Island Lighthouse.</i>				
A. McKinnon.....	12 months salary as Keeper .....	\$491	00		
do .....	do superannuation tax .....	8	00		
				500	00
Smith & Clarke.....	Making and fitting stairway .....			8	55
do .....	Labour and material, making bell stand.....			110	17
Albion Iron Works .....	Making iron watertank .....			45	00
P. McQuade & Sons. ....	40 galls. coal oil, glass shades, etc .....			21	30
R. Dunsmuir & Sons .....	4 tons of coal, at \$4.50 .....			18	00
E. B. Marvin .....	Cotton waste, buckets, white lead.....			15	45
W. Bolton .....	Repairing boat .....			14	00
A. & W. Wilson.....	Cleaning waste pipe and sink .....			10	00
Canadian Pacific Navigation Co.....	Freight and charges on bell.....			9	91
T. Shotbolt .....	Sweet oil, spirit of wine, etc .....			5	62
Shears & Page.....	Linen, flannel, etc.....			5	33
S. L. Kelly & Co.....	Zinc .....			4	75
Leppox & Rossen.....	Sweeping chimneys .....			3	50
Marvin & Tilton.....	1 pair lamp trimmers .....			1	00
					772 58
	<i>Cape Beale Lighthouse.</i>				
Emanuel Cox.....	12 months salary as Keeper.....	\$1,192	00		
do .....	do superannuation tax .....	8	00		
				1,200	00
Smith & Clark.....	Labour and material on repairs .....			710	70
E. B. Marvin.....	Paints, canvas, oil, oakum, nails, etc .....			239	71
J. Devereux.....	Extra labour on repairs, 2 men 39 days each .....			117	00
P. McQuade & Sons .....	660 feet wire rope .....			105	32
Albion Iron Works Co .....	Making rail to go round lantern .....			86	54
Emanuel Cox.....	Paid Indian carrying mail, 10 months, at \$5.....			50	00
John Weiler.....	Lamp chimneys .....			38	88
T. Shotbolt.....	Spirits of wine, wash leathers, etc .....			26	50
John Robertson.....	Iron plates, cover for chimney, etc .....			24	65
R. Dunsmuir & Sons .....	5 tons coal, at \$4.50.....			22	50
T. N. Hibben & Co.....	Stamps, ink, log-book, stationery, etc.....			11	00
Marvin & Tilton.....	Compression cock .....			5	87
"Evening Post" .....	Advertisement <i>re</i> light .....			5	00
"Colonist" .....	do .....			4	60
"Times" .....	do .....			4	00
"Standard" .....	do .....			3	80
S. L. Kelly & Co.....	Repairing oil tank .....			5	00
Shears & Page.....	Flannel, linen, etc. ....			4	27
A. & W. Wilson.....	Repairing lamp burners.....			1	50
					2,666 84
	<i>Discovery Island Lighthouse.</i>				
George Brown .....	1 month (June, 1886) salary of Caretaker.....			45	00
Richard Brien.....	12 months salary of Keeper.....			500	00
J. P. Burgess.....	Building boat house.....			89	85
Smith & Clarke.....	Making frame for winch, lumber, etc .....			20	00
E. B. Marvin .....	Rope, soap, axe, paints, etc .....			18	63
P. McQuade & Sons.....	Bolts, auger .....			15	22
S. L. Kelly & Co.....	Oil tank with tap.....			10	00
R. Dunsmuir & Sons.....	2 tons of coal, at \$4.50.....			9	00
D. S. Sears.....	Making and fitting boat sail.....			9	00
T. Shotbolt.....	Spirits of wine, etc.....			5	12
J. Cocker.....	2 days repairing boat ways.....			4	00
				725	82
	Carried forward .....				7,624 95

STATEMENT of Expenditure in connection with the Maintenance of Lights  
in British Columbia, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	725 82	7,624 95
	<b>LIGHTHOUSES—Concluded.</b>		
	<i>Discovery Island Lighthouse—Concluded.</i>		
Victoria Coal and Lumber Yard.....	320 feet rough lumber.....	3 84	
Marvin & Tilton.....	Mattock handles, etc.....	2 50	
T. N. Hibben & Co.....	Stamps, paper, etc.....	1 87	
Wilson Bros & Co.....	Casting 5 bars, screw bolts, etc.....	1 50	735 53
	<i>Entrance Island Lighthouse.</i>		
Robert Gray.....	12 months salary as Keeper.....	\$592 00	
do.....	do superannuation tax.....	8 00	
		600 00	
E. B. Marvin.....	3 tins rubber paint, 10 lbs. Am. rope, etc.....	5 55	
P. McQuade & Sons.....	50 galls. coal oil, soap, cement, etc.....	24 80	
J. Gray.....	2 days labour stopping leak in tower.....	6 00	
R. Dunsmuir & Sons.....	7 tons coal, at \$4.50.....	31 50	667 85
	<i>Figard Lighthouse.</i>		
Joseph Dare.....	12 months salary as Keeper.....	500 00	
R. Dunsmuir & Sons.....	11 tons coal, at \$4.50.....	49 50	
J. P. Burgess.....	Material and labor erecting out house.....	34 07	
P. McQuade & Sons.....	Coal oil, paints, etc.....	28 41	
E. B. Marvin.....	Paints, oil, rope, blocks, etc.....	21 02	
T. Shotbolt.....	Spirits of wine.....	13 50	
Spring Vale Water Co.....	12 tons water.....	12 00	
J. Weiler.....	Lamp chimneys, wicks, etc.....	8 50	
J. C. Smith.....	Sweeping 3 chimneys.....	3 00	
T. N. Hibben & Co.....	Lett's diary, stamps, etc.....	2 75	
Joseph Dare.....	Freight on stores by stage to Esquimalt.....	2 25	675 00
	<i>Point Atkinson Lighthouse.</i>		
Walter Erwin.....	15 months salary as Keeper.....	\$862 50	
do.....	do superannuation tax.....	12 50	
		875 00	
J. P. Burgess.....	Material and labour making boat house.....	102 93	
J. J. Robinson.....	Boat and fixing.....	90 00	
E. B. Marvin.....	Paint, rope, oars, soap, leather, axes, etc.....	44 68	
Wilson, Bros. & Co.....	Sheaves, etc., for revolving gear.....	21 60	
A. J. Smith.....	Making winch frame for hauling up boat.....	21 47	
P. McQuade & Sons.....	Lime, white lead, oil, paints, etc.....	15 15	
do.....	40 galls coal oil, at 37c.....	15 00	
W. Erwin.....	1 case coal oil and labour excavating for boat house.....	10 00	
R. Dunsmuir & Sons.....	2 tons coal, at \$4.50.....	9 00	
D. S. Sears.....	Making boat sail, etc.....	9 00	
T. Shotbolt.....	Spirits of wine, sperm oil, etc.....	8 40	
G. P. N. Co.....	Passage of 2 carpenters.....	6 00	
Smith & Clark.....	Making mosquito bar frame.....	5 11	
J. Robertson & Co.....	Link rings and 2½ in. rods.....	3 00	
T. N. Hibben & Co.....	Stamps, stationery, etc.....	2 00	
Shears & Page.....	Cleaning cloths.....	1 62	1,289 96
	<i>Race Rocks Lighthouse.</i>		
Thomas Argyle.....	12 months salary as Keeper.....	\$1,488 00	
do.....	do superannuation tax.....	12 00	
		1,500 00	
	Carried forward.....	1,500 00	10,943 29

STATEMENT of Expenditure in connection with the Maintenance of Lights  
in British Columbia, etc.—*Continued.*

		\$ cts.	\$ cts.
	Brought forward .....	1,500 00	10,943 29
<b>LIGHTHOUSES—Concluded.</b>			
<i>Race Rocks Lighthouse—Concluded.</i>			
Robert Lettice.....	Repairing and painting outside of tower.....	349 50	
Henry Georgeson.....	300 galls dog fish oil, at 40 cts.....	120 00	
E. B. Marvin.....	Paint, oil, lime, etc.....	59 75	
P. McQuade & Sons.....	Paint, oil.....	18 92	
J. F. Jagers.....	Charter str. "Saturna" to fetch 3 men.....	15 00	
T. Shotbolt.....	Spirits of wine, sweet oil, etc.....	10 12	
John Robertson.....	Cross bars, winch, etc.....	8 50	
T. N. Hibben & Co.....	Stamps, diary, ink, etc.....	6 49	
Canadian Pacific Navigation Co.....	Freight and wharfage.....	6 01	
J. Weiler.....	1 doz lamp chimneys and wicks.....	4 12	
Shears & Page.....	Calico.....	3 20	
			2,101 61
<i>Sand Heads Lighthouse.</i>			
R. Douglas.....	7 months salary as Keeper.....	583 33	
A. Castleton.....	11 days do.....	30 58	
W. P. Daykin.....	Salary from 11th November, 1886, to 31st March, 1887.....	389 74	
P. McQuade & Sons.....	50 galls. coal oil, barometer, paints, nails, etc.....	46 15	
Hy. Georgeson.....	112 galls. dog fish oil, at 40 cts.....	44 80	
R. Dunsmuir & Sons.....	9 tons coal, at \$4.50.....	40 50	
E. B. Marvin.....	Soap, cleaning powder, 20 lbs. cotton waste, scrub brushes, etc.....	18 20	
S. L. Kelly & Co.....	Covers for stove, zinc, stovepipe, kettle, etc.....	15 74	
Shears & Page.....	Linen, scrub flannel, holland, etc.....	8 62	
Canadian Pacific Navigation Co.....	Freight and wharfage on 1 box lamp chimneys and 5 cases coal oil.....	3 88	
T. Shotbolt.....	1 gall. turpentine spirits of wine, etc.....	3 87	
T. N. Hibben & Co.....	Stamps, log book, ink, etc.....	3 00	
W. A. Lange.....	1 pair blue specks.....	1 50	
John Weiler.....	Lamp chimneys and wicks.....	1 12	
Smith & Clarke.....	1 piece of oak.....	0 50	
			1,191 53
<b>FOG-ALARM.</b>			
<i>Race Rocks.</i>			
R. Dunsmuir & Sons.....	45 tons coal, at \$4.50.....	202 50	
Albion Iron Works Co.....	New injector, fixing, etc.....	121 57	
do.....	Repairing boiler, etc.....	77 00	
Str. "Saturna".....	3 trips with boiler makers.....	45 00	
A. & W. Wilson.....	Altering and fitting pipes, etc.....	42 82	
W. Godfrey.....	Labour, etc., repairing boiler.....	32 50	
E. B. Marvin.....	Machine oil, 50 feet India rubber hose, etc.....	28 53	
P. McQuade & Sons.....	6 gauge glasses, latch-bolts, etc.....	6 97	
			566 89
<b>BUOYS AND BEACONS.</b>			
<i>Fraser River Buoys.</i>			
G. W. Gilley.....	Piles and labour driving them, etc. on North Arm.....	113 05	
E. B. Marvin.....	Paint, shackles, chain, etc.....	93 38	
R. Dunsmuir & Sons.....	"Samson" 20½ tons of coal, at \$2.75.....	55 69	
Albion Iron Works Co.....	Repairing buoy.....	35 00	
J. Robertson.....	do.....	30 75	
Marvin & Tilton.....	Norway iron, etc.....	15 31	
			343 18
	Carried forward.....		15,146 50

STATEMENT of Expenditure in connection with the Maintenance of Lights,  
in British Columbia, etc.—*Continued.*

		\$	cts.	\$	cts.
Brought forward.....					15,146 50
<b>BUOYS AND BEACONS—Concluded.</b>					
<i>Island Channels.</i>					
W. B. Bolton.....	Material and labour on Burnaby Reef buoy.....	72	55		
Wm. Godfrey.....	Making band, swivel, etc., for do.....	32	00		
M. Oren.....	Making spar buoy for do.....	29	00		
W. F. Keefer.....	Towing from Hastings to Coal Harbour for reef buoy.....	15	00		
P. McQuade & Sons.....	Felt, sheets of lead, etc., for reef buoy.....	13	00		
Hudson Bay Co.....	70½ lbs. yellow metal for do.....	11	98		
E. B. Marvin.....	Nails, lead, etc., for do.....	10	80		
Charles Braden.....	2 men securing do.....	10	00		
W. B. Bolton.....	Material and labour on Enterprise Reef beacon.....	17	00		
Marvin & Tilton.....	10 bars of iron for do.....	90	13		
J. Robertson.....	Forging, drills, etc. do.....	81	79		
W. P. Sayword.....	898 ft. planking do.....	10	78		
E. B. Marvin.....	Nails, cross cut saw, etc., for Sydney Island and spit beacon.....	9	50		
J. Devereux.....	3 Indians (extra labour) erecting Sydney Island and spit beacon.....	16	87		
Victoria Gas Co.....	30 galls. coal tar for Sydney Island and spit beacon.....	3	75		
A. J. Smith.....	Spars and lumber for Fero Rock and Sydney Island and spit beacon.....	80	00		
John Devereux.....	1 Indian (extra labour) erecting Fero Rock beacon.....	6	25		
Marvin & Tilton.....	3 bars of iron for Fero Rock beacon.....	3	85		
M. Oren.....	Making wooden can buoy, 9 x 45, Kelp Reef buoy.....	25	00		
W. P. Sayword.....	1,200 ft. spruce for Kelp Reef buoy.....	14	40		
Smith & Clark.....	Spars and lumber as per contract Fiddle Reef beacon.....	50	36		
J. Devereux.....	Extra labour erecting Fiddle Reef beacon.....	17	50		
J. Amlot.....	Painting Brotchies Ledge buoy.....	10	00		
J. Robertson.....	Iron flagstaff for Brotchies Ledge buoy.....	6	12		
E. B. Marvin.....	Shackles, chain, red paint, etc.....	20	41		
"The Colonist".....	Advertising for tenders for can buoy, Gabriola Reefs.....	2	00		
P. McQuade & Sons.....	Lime, paints, oil, etc.....	33	50		
Hastings Saw Mill Co.....	1 spar 10 x 35.....	5	00		
				698	54
<i>Nanaimo Harbour Buoys.</i>					
E. B. Marvin.....	Anchors, shackles, chain, paints, oil, etc.....	96	20		
M. Oren.....	Making new buoy and pyramid.....	89	00		
F. Rowbotham.....	Making buoy.....	75	00		
do.....	3 days hire of scow and 3 men.....	25	50		
J. Fletcher.....	3 new wooden buoys for Departure Bay.....	61	12		
Marvin & Tilton.....	10 bars of iron.....	8	97		
W. Thompson.....	3 M. galls. of water supplied to "Samson".....	7	00		
S. Clifford.....	Cleaning and scraping buoy.....	3	00		
J. Robertson.....	7½ links for chain.....	2	80		
				368	59
<i>Victoria and Esquimalt Harbour Buoys.</i>					
A. J. Smith.....	Putting cage on buoy.....	6	75		
P. McQuade & Sons.....	Paints, oil, etc.....	8	85		
				15	60
Queen's Printer.....	Printing, etc.....				1 20
				16,230	43



STATEMENT of Expenditure in connection with Maintenance of Lights—*Con.*

## RECAPITULATION.

	\$	cts.	\$	cts.
Maintenance of lights above Montreal.....	75,690	74		
do between Quebec and Montreal.....	16,735	49		
do below Quebec.....	131,318	59		
do Nova Scotia.....	117,808	53		
do New Brunswick.....	96,425	28		
do Prince Edward Island.....	17,852	13		
do British Columbia.....	16,230	43		
do Cape Race.....	4,453	25		
			476,514	44

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No. 10

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Construction of Lights and Fog-Whistles, etc., for Fiscal Year ended 30th June, 1887.

		\$	cts.	\$	cts.
<b>ABOVE MONTREAL.</b>					
<b>GENERAL ACCOUNT.</b>					
W. G. Lampey .....	365 days service as draughtsman, at \$2. ....	730	00		
do .....	Extra time, 700 hours, at 25c. ....	175	00		
Wm. Mence .....	12 days assisting in office, at \$2.50 .....	30	00		
W. P. Anderson .....	Travelling expenses .....	145	63		
D. A. McLaughlin .....	Blue prints.....	11	50		
Neptune Fog-Horn Co ...	For royalty on fog alarms.....	4,800	00		
W. H. Noble.....	Travelling expenses .....	100	80		
Steam Gauge & Lantern Co .....	Signal lamps.....	443	95		
G. J. Wilson.....	In full of all claims <i>re</i> Colchester Reef.....	1,200	00		
O. Olmstead .....	Balance of contract, North Channel lights.....	113	28		
J. Quesnell.....	do .....	10	50		
J. Richards.....	do .....	259	59		
E. Porter.....	do .....	59	59		
A. Bison .....	do .....	22	50		
J. Driver.....	do .....	52	38		
W. H. Plummer .....	do .....	77	87		
Jos. Bell .....	do .....	33	38		
E. Walker.....	do .....	57	87		
Geo. Markes & Co .....	do .....	51	75		
Davidson Bros .....	do .....	72	00		
Estate late T. Anderson..	do .....	62	51		
N. & W. Dymont .....	do .....	44	30		
Thos. Lyons .....	do .....	84	11		
F. Ferry .....	do .....	30	00		
D. A. McDonald .....	do .....	79	72		
M. MacLennan & Co. ....	do .....	8	04		
R. Brownlee.....	do .....	25	51		
G. Sayre .....	do .....	8	50		
F. Fisher .....	do .....	37	14		
				8,827	42
<i>Cariboo.</i>					
J. George & D. Currie....	Balance of contract.....	\$3,551	25		
do .....	Extras do .....	17	50		
do .....	Freight and storage on apparatus.....	3,568	75		
Woodside Bros.....	Bolts, rubber, etc.....	14	00		
George Vicary .....	Board while inspecting .....	77	97		
Carrier, Laine & Co. ....	Machinery for fog-alarm.....	87	00		
Canadian Pacific Steamship Co .....	Conveyance W. H. Noble .....	61	00		
W. Johnstone.....	Pipe, tongs, etc .....	10	00		
				34	16
				3,852	88
<i>Fort William Range.</i>					
James McCool.....	Amount contract and extras .....	460	00		
W. H. Noble.....	Travelling expenses .....	6	50		
				466	50
Carried forward .....				13,146	80

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

		\$ cts.	\$ cts.
Brought forward .....			13,146 80
<b>ABOVE MONTREAL—Continued.</b>			
<i>Niagara Fog Bell.</i>			
Wm. Murray .....	Teaming machinery .....	2 60	
W. A. Milloy .....	Freight .....	9 99	
James Doritty .....	Amount of contract .....	198 50	211 00
<i>Nipissing (South River).</i>			
D. M. S. White .....	Amount of contract .....	675 00	
L. C. Barney .....	Plate glass .....	25 93	
Muskoka Nipissing Nav. Co .....	Freight do .....	4 92	705 85
<i>Thornbury.</i>			
Carroll & Pedwell .....	In full for contract .....		150 00
<i>Thunder Cape.</i>			
J. George & D. Currie ...	Amount contract and extras .....	2,416 50	
Woodside Bros .....	Bolts, rubber, etc .....	81 81	2,498 31
<i>Rainy River.</i>			
W. Oliver .....	Balance in full contract and extras .....		311 03
<i>Spanish River.</i>			
W. B. Arnold .....	Amount contract and 2 extra piers .....		801 65
<i>Victoria Island (Lake Superior).</i>			
E. Chanteloup .....	Lantern and apparatus .....	502 94	
W. P. Anderson .....	Inspecting .....	55 62	558 56
			<hr/>
<b>BELOW QUEBEC.</b>			<b>18,383 20</b>
<b>GENERAL ACCOUNT.</b>			
Neptune Fog-Horn Co....	1 fog-horn .....		1,260 00
<b>NOVA SCOTIA.</b>			
<i>Beaver Harbour.</i>			
"Evening Mail" .....	Advertising for tenders .....	2 60	
"Critic" Publishing Co.	do .....	2 60	
J. F. Anderson .....	Surveying land .....	38 00	43 20
<i>Carey's Beach.</i>			
"Advocate" Publishing Co .....	Advertising for tenders .....	2 40	
O. L. Campbell .....	Making mast and shed .....	120 00	122 40
			<hr/>
Carried forward .....			165 60

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

		\$	cts.	\$	cts.
Brought forward.....				165	60
<b>NOVA SCOTIA—Concluded.</b>					
<i>Cape Sharp.</i>					
Thomas O'Neil .....	Amount of contract .....	1,600	00		
Simeon Jenks .....	Inspecting .....	48	00		
				1,648	00
<i>Cranberry Head, F. A.</i>					
Campbell & Ruddorham.....	Balance of contract .....	1,800	00		
James McDonald .....	Superintending erection of building.....	143	95		
Wallace Graham .....	Consideration money for 3 acres of land. ....	150	00		
"Morning Herald" .....	Advertising for tenders .....	2	70		
"Advocate" Publishing Co .....	do .....	2	16		
North Sydney "Herald" .....	do .....	2	70		
				2,101	51
<i>Ingonish.</i>					
F. O. Cunningham .....	Building light and oil store .....	748	00		
E. Chanteloup .....	Lantern and apparatus .....	380	29		
L. C. Barney .....	Plate glass.....	34	75		
Chance Bros & Co .....	Lighting apparatus.....	113	76		
Wallace Graham .....	Legal services.....	53	27		
"Advocate" Publishing Co .....	Advertising for tenders .....	2	08		
North Sydney "Herald" .....	do .....	2	60		
				1,334	75
<i>Sam's Point.</i>					
Wallace Graham.....	Legal services.....				41 93
<i>Windsor.</i>					
Wallace Graham.....	Legal services.....				39 10
				5,330	89
<b>NEW BRUNSWICK.</b>					
<i>Big Duck Island.</i>					
G. S. Mayes .....	Balance of contract.....	\$1,570	00		
do .....	Cost of dam, road, etc .....	521	70		
do .....	Extra on contract for boat house, in full of all claims.....	100	00		
				2,191	70
Thos. Redmond .....	Inspecting .....	118	50		
L. Daggett .....	Purchase of land .....	262	69		
L. R. Harrison .....	Legal services <i>re</i> purchase of land .....	236	45		
				2,809	34
<i>Little Shippegan Lights.</i>					
George Ingram .....	Amount of contract.....	410	00		
A. K. McDougall .....	Surveying sites .....	66	50		
L. R. Harrison .....	Legal services.....	77	05		
A. Reeves & Co. ....	Boat hire.....	7	00		
A. Boyd .....	Measuring and sounding channel.....	4	00		
"World" Printing Office .....	Advertising for tenders .....	2	70		
"Union Advocate" .....	do .....	2	70		
"Maritime" Publishing Co .....	do .....	2	70		
"Sun" Publishing Co... ..	do .....	2	70		
				575	35
Carried forward.....				3,384	69

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

		\$ cts.	\$ cts.
Brought forward.....			3,384 69
<b>NEW BRUNSWICK—<i>Concluded.</i></b>			
<i>Quaco.</i>			
"Messenger and Visitor".....	Advertising for tenders.....	3 00	
"Religious Intelligencer".....	do .....	1 80	
St. Croix "Courrier".....	do .....	3 00	
"Trade Reporter".....	do .....	3 00	
Moncton "Times".....	do .....	3 00	
T. B. Carson.....	On account contract.....	700 00	
Wm. Vaughan.....	Building reservoir, opening roads, etc.....	176 66	
Truro Foundry Co.....	Fog-horn and apparatus.....	1,005 58	
			1,896 04
<b>PRINCE EDWARD ISLAND.</b>			
<i>Miminigash Range.</i>			
A. Lord.....	Paid for building range lights.....		384 60
<b>BRITISH COLUMBIA.</b>			
<i>Plumper's Pass.</i>			
A. J. Dixon.....	Superintending erection of light.....		300 00
<i>Saturna Island.</i>			
Victoria "Standard".....	Advertising for tenders.....	2 80	
do "Colonist".....	do .....	2 80	
"Times" Printing and Publishing Co.....	do .....	2 80	
"British Columbian".....	do .....	2 80	
"Inland Sentinel".....	do .....	2 24	
Vancouver "Herald".....	do .....	2 80	
"Daily Evening Post".....	do .....	2 80	
Nanaimo "Free Press".....	do .....	2 80	
			21 84
			321 84

RECAPITULATION.

Construction of Lights above Montreal.....	18,383 20	
do below Quebec.....	1,260 00	
do Nova Scotia.....	5,330 89	
do New Brunswick.....	5,280 73	
do Prince Edward Island.....	384 60	
do British Columbia.....	321 84	
Queen's Printer, printing, etc.....		30,961 26
		29 58
		30,990 84

F. GOURDEAU,  
*Accountant.*

WM. SMITH,  
*Deputy Minister of Marine.*

## APPENDIX No. 11

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Dominion Steamers, for the Fiscal Year ended 30th June, 1887.

		\$	cts.	\$	cts.
<i>"SS. Napoleon III."</i>					
E. Larochelle.....	12 months salary as Captain.....	1,000	00		
do .....	Pay list, wages of crew.....	5,129	07		
L. Bolduc.....	Allowance.....	175	00		
J. B. Côté.....	Fresh pork, sausage and ham.....	324	97		
C. Cyprien.....	Preserved meats.....	10	20		
T. Delany.....	Fresh meats.....	849	78		
E. Larochelle.....	Board.....	60	00		
do .....	Paid for provisions.....	71	21		
D. Langlois.....	Milk.....	97	98		
F. Lafamme.....	Bread.....	230	40		
J. McCorkill.....	Biscuits.....	126	40		
L. Marois.....	Vegetables, smoked fish, etc.....	572	20		
J. Morin.....	Provisions.....	93	86		
Noonan & Davies.....	do .....	107	75		
P. Plamondon.....	Fish.....	124	85		
Renaud et Cie.....	Flour, fish, etc.....	118	00		
J. Shea & Bros.....	Salt beef, ham, butter, etc.....	826	16		
J. Smith.....	Fresh meats.....	134	50		
A. J. Turcotte.....	Groceries.....	572	88		
J. McWilliams.....	Potatoes.....	11	45		
Meagher & Doherty.....	Provisions.....	134	24		
T. Mennel.....	Olive oil.....	13	00		
T. Hethrington.....	Biscuits.....	6	31		
J. Rolph.....	Board.....	60	00		
G. R. Renfrew & Co.....	Caps.....	30	35		
W. Lee.....	Suits.....	28	00		
E. Chanteloup.....	Buttons.....	27	00		
Dolan & Co.....	Gold lace and badges.....	34	55		
F. Descroiselle.....	Watching.....	84	00		
E. Lavioie.....	do and labour.....	108	00		
Wm. Minville.....	do .....	31	00		
J. Rolph.....	Outfit to engines.....	555	55		
J. Turner.....	do .....	23	00		
T. Routier.....	Top mast, repairing deck, new house.....	139	98		
J. Prud'homme.....	Carting shaft.....	36	50		
E. Mathurin.....	Repairs, scraping, clearing snow, taking out coal, storing material and painting.....	819	35		
Bisset Bros.....	Castings.....	202	47		
P. Jobin.....	Carpenters repairs.....	38	00		
L. Guerard.....	Repairing pillows.....	9	00		
C. Vézina.....	Iron repairs.....	151	05		
G. T. Phillips.....	Brass and coppersmith repairs.....	390	49		
J. F. Dobbins.....	Repairing clock.....	13	25		
F. Gunn.....	865 $\frac{1}{2}$ tons coal, at \$3 35.....	2,899	60		
do .....	608 $\frac{1}{2}$ do at \$3.....	1,825	66		
Intercolonial Coal Co.....	367 do at \$2.....	734	00		
Noonan & Davies.....	183 $\frac{1}{2}$ do at \$2.50.....	459	38		
N. Gamsche.....	Coaling.....	6	00		
J. Tanguay.....	do .....	8	00		
J. Eden.....	Landing coal.....	20	50		
E. Mathurin.....	Paid labour coaling.....	9	00		
Noonan & Davies.....	Freight on 133 tons coal, at \$1.50.....	199	50		
W. Brow.....	do 125 do at \$1.50.....	187	50		
G. T. Annett.....	do 109 do at \$1.50.....	163	50		
J. Eden.....	Rent of coal yard.....	200	00		
Carried forward.....				20,314	39

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

		\$ cts.	\$ cts.
	Brought forward.....	20,314 39	
	<i>SS. "Napoleon III."—Concluded.</i>		
H. Dinning & Co.....	Towage.....	1,000 00	
J. Gaudle.....	do.....	15 00	
P. Rouillard.....	Washing.....	105 00	
Dr. Smille.....	Professional services.....	5 20	
M. Fitzhary.....	Washing.....	6 75	
J. Marmen.....	Cartage.....	53 85	
J. Rolph.....	Freight and ferrage.....	9 16	
A. Croteau.....	Labour loading.....	6 75	
Queen's Wharf.....	Rent.....	200 00	
W. O. Scott.....	Freight.....	5 05	
L. A. Blanchet.....	Petty expenses.....	232 95	
T. Berrigan.....	Carting snow.....	40 00	
E. Mathurin.....	Ferriage.....	1 30	
Audet & Robitaille.....	Rope, canvas, etc.....	103 65	
Beaudet & Ohnic.....	Iron, paint and brushes.....	433 67	
Henry Black.....	Castings.....	13 45	
J. Bédard.....	Lamps, tinware, etc.....	270 10	
R. Blakiston.....	Boat sails, hammocks, etc.....	276 35	
Widow H. Barbour.....	Flag.....	12 00	
Carrier, Laine & Co.....	Shaft.....	2,640 82	
J. H. Clint.....	Lumber.....	31 33	
M. Couturier.....	Soap.....	11 70	
M. Dunn.....	Soap and tallow.....	128 44	
J. B. Dutil.....	Oars.....	30 00	
B. Derouin.....	Sheaves.....	21 60	
Dawson & Co.....	Charts.....	5 65	
C. Dionne.....	80 galls. seal oil, at 80c.....	64 00	
J. Dawe.....	Compass.....	12 00	
Alex. Fraser.....	Coffee.....	3 50	
M. Colton.....	Gin block and fender.....	10 00	
F. Gunn.....	Rope, canvas, etc.....	255 18	
E. Giroux.....	Medicines.....	7 15	
J. Hamel et Frère.....	Towels, pillow slips, etc.....	17 48	
John Lynch.....	Blocks.....	10 00	
Geo. T. Phillips.....	Brass and coppersmith's repairs.....	120 36	
Richardson & Co.....	Leather.....	4 72	
S. J. Shaw & Co.....	Hardware.....	318 22	
J. Sullivan.....	Davits, tank, etc.....	250 80	
A. J. Turcotte.....	134 $\frac{1}{2}$ galls. olive oil, at \$1.10.....	137 01	
M. Tierney.....	Maple logs.....	41 25	
L. Villeneuve.....	Potash.....	8 00	
A. E. Vallerand.....	Chimneys and burners.....	4 00	
J. E. Walsh.....	Thermometer.....	4 00	
			27,241 81
	<i>Steamer "Druid."</i>		
L. R. Demers.....	12 months salary as Captain.....	804 18	
do.....	Pay list, wages of crew.....	3,380 80	
do.....	Board.....	59 25	
S. Carroll.....	do.....	50 00	
T. Routier.....	Pay list, blacksmith and carpenters repairs.....	2,136 56	
Hy. Hicks.....	Outfit and repairs.....	592 90	
S. Carroll.....	do.....	258 56	
Hy. Dinning.....	Boiler and repairs.....	3,758 84	
Bisset Bros.....	Condenser and repairs.....	5,613 89	
do.....	Castings.....	427 61	
G. T. Phillips.....	Brass and coppersmith repairs.....	964 35	
H. Black.....	Castings.....	252 29	
T. Ryan.....	Repairs.....	64 00	
J. F. Dobbin.....	Repairing clocks.....	4 75	
J. Blais.....	Labour.....	4 00	
A. McCallum.....	Adjusting compasses.....	4 50	
	Carried forward.....	18,376 48	

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

		\$ cts.	\$ cts.
	Brought forward.....	18,376 48	.....
<i>Steamer "Druid"—Continued.</i>			
Carrier, Laine & Co .....	Shaft and bushes .....	209 29	
T. Burns .....	Jack screws .....	5 00	
A. Després .....	Fixing engines .....	13 50	
C. Vézina .....	Water tanks .....	140 46	
L. Villeneuve.....	Potash .....	8 00	
G. H. Gore.....	Cementing .....	21 62	
R. Fortin .....	Outfit .....	104 83	
E. Neil.....	Shearing and punching plates.....	42 00	
L. Leclerc .....	Boiler plates .....	40 20	
J. Vinson .....	Cementing tanks .....	12 25	
H. Dinning & Co .....	Use of shop, cutting ice, etc.....	83 30	
J. B. Côté.....	Pork, ham and sausage .....	28 74	
S. Delany .....	Fresh meats .....	66 24	
W. Doran .....	do .....	78 58	
J. Langlois.....	Milk .....	27 48	
F. Laflamme .....	Bread .....	27 84	
P. Larrivee.....	Milk and eggs.....	4 38	
J. J. McCorkell.....	Biscuits .....	9 60	
La. Marois .....	Vegetables .....	144 35	
P. Plamondon et Frère.....	Fish .....	22 95	
Renaud et Cie .....	Flour and fish .....	11 50	
A. J. Turcotte .....	Groceries .....	123 15	
Queen's Wharf .....	Rent .....	200 00	
Hy. Dinning & Co .....	Wintering .....	300 00	
Ph. Rouillard .....	Washing .....	83 50	
J. Marmen .....	Cartage .....	171 70	
J. McCann .....	do .....	5 90	
T. Berrigan .....	do .....	3 10	
J. Brisson .....	Scrubbing .....	2 40	
J. Ryan .....	Coaling and loading .....	33 60	
T. Berrigan.....	Carting snow .....	40 00	
J. Samson .....	Cartage .....	10 00	
Str. "Montreal".....	Freight on pipes .....	2 32	
Grand Trunk Railway.....	do .....	2 06	
J. Groleau .....	Pilotage .....	67 50	
L. A. Blanchet.....	Petty expenses .....	83 63	
J. Couturier.....	Watching .....	50 00	
A. Després .....	Outfit .....	9 00	
T. Chabot .....	Watching .....	77 50	
L. Raper .....	do .....	49 00	
J. Couturier .....	Labour .....	22 50	
J. Gaudle .....	Towage .....	10 00	
Dolan & Co .....	Gold lace and badges .....	34 55	
M. McLaren .....	Coaling .....	8 00	
Audet & Robitaille.....	Flag, rope, etc .....	48 70	
Beaudet & Chinic.....	Iron, steel plates, hardware, etc.....	865 05	
S. Bédard .....	Tinware .....	45 90	
R. Blakiston .....	Winch cover .....	33 97	
T. Beaulieu .....	Copper pipe.....	41 60	
Hy. Black .....	Sheaves .....	3 00	
J. H. Clint .....	Lumber .....	56 02	
M. Couturier.....	Soap.....	11 70	
M. Dunn .....	do and tallow .....	53 17	
C. Dionne .....	70 galls. seal oil, at 80 cts .....	56 00	
O. Fortin .....	Mattresses .....	50 00	
L. Guerard .....	Pillows .....	28 00	
G. Glassford .....	Gauge, glasses and tubes .....	325 50	
F. Gunn.....	Rope, canvas, etc .....	173 31	
Gagnon et Frère.....	Copper pipes.....	45 18	
J. Hamel et Frère.....	Pillow slips.....	1 34	
Jno. Lynch.....	Blocks .....	10 00	
P. P. Pouliot.....	Boat .....	65 00	
Patterson & Co.....	Condenser tubes.....	173 35	
O. L. Richardson.....	Leather .....	4 06	
	Carried forward.....	22,957 85	



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

		\$ cts.	\$ cts.
	Brought forward.....	22,957 85	
	<i>Steamer "Druid"—Concluded.</i>		
J. & W. Reid.....	Iron.....	125 36	
S. J. Shaw & Co.....	Packing.....	133 79	
J. Sullivan.....	Windlass.....	300 00	
M. Tardif & Co.....	Spars.....	1 50	
A. J. Turcotte.....	126, <sup>10</sup> / <sub>100</sub> galls. olive oil, at \$1.10.....	\$ 139 02	
do.....	Cartage.....	0 60	
		139 62	
A. E. Vallerani.....	Lamps, dishes, etc.....	57 15	
G. M. Webster & Co.....	Cement and bricks.....	30 84	
M. Walsh.....	Thermometers.....	8 00	
			23,754 11
	<i>"Lansdowne."</i>		
Chas T. Dakin.....	Pay list of officers and crew.....	5,317 73	
do.....	On account contingencies, labour, etc.....	166 50	
Symonds & Co.....	Labour on propeller.....	56 00	
Chas. W. Ives.....	Trimming 410 tons coal.....	82 54	
Intercolonial Coal Mining Co.....	410 tons coal.....	820 00	
G. A. Barker.....	Dryers, soap and waste.....	178 03	
Noonan & Davies.....	Lard, oil and pilotage.....	49 20	
Edward Bennett.....	2 cork fenders.....	10 00	
John Munroe.....	Groceries.....	90 52	
W. H. Pope.....	Beef, milk and provisions.....	133 08	
Vaughan & Bros.....	Rope.....	44 20	
Samuel Tufts.....	Groceries.....	432 51	
W. H. Walker.....	Contingent account.....	9 05	
Albert D. Wilson.....	Discharging coal.....	121 75	
Jas. Knox.....	Water.....	16 85	
Thos. S. Doane.....	Pilotage into Yarmouth.....	14 00	
W. C. Godsoe & Co.....	Beef and provisions.....	768 29	
P. J. McEvoy.....	Beef and pork.....	204 94	
J. O. Stackhouse.....	Labour on donkey boiler and carpenter work.....	245 03	
John Woodley.....	Repairing surf boats.....	6 00	
Geo. Robertson & Co.....	Groceries.....	298 51	
S. & M. Ungar.....	Washing.....	23 43	
Wm. Black.....	Rope, oil, spikes, shovels, packing.....	168 80	
Harris Allan.....	Castings, labour and side lights.....	96 16	
John Ross.....	Labour and wrenches.....	22 00	
W. H. Quinn.....	Dockage and lumber.....	240 65	
W. H. Thorne & Co.....	Paint, oakum, lead, spikes, chain.....	383 44	
Wm. Lewis & Son.....	Blacksmith work, flanges, labour and repairs.....	398 09	
Guy Bevan & Co.....	Towing steamer.....	7 00	
Barbour & Staples.....	Glazing.....	2 40	
Mary Jane Strane.....	Washing blankets and clothes.....	21 30	
E. S. Hennigar.....	Mason work.....	6 25	
James E. Morris.....	2 months board.....	40 00	
Intercolonial Railway.....	Wharfage.....	43 20	
D. McLaughlin & Sons.....	Labour.....	2 50	
T. McAvity & Sons.....	Pump, \$162.25, and valves, \$5.85.....	168 10	
Wm. M. Smith.....	Specification for steam winch.....	10 00	
J. R. Glendinning.....	Ice.....	4 00	
Wisdom & Fish.....	Tube cleaners, and bolts.....	4 98	
John White.....	Galvanized iron, pipe and labour.....	9 50	
Williams Bros.....	31,900 galls. water.....	127 60	
G. Hevenor.....	Copper work and valves.....	301 33	
Phillip Doody.....	4 <sup>1</sup> / <sub>2</sub> days labour.....	6 75	
Geo. Roley.....	Repairing boats.....	10 00	
Hutchings & Co.....	Mattresses and towels.....	10 55	
T. B. Barker & Sons.....	Paint, boiled oil and varnish.....	67 11	
John Ruddock.....	Repairs.....	602 25	
D. L. Hutchinson.....	Repairing clocks.....	4 00	
Tapley Bros.....	Towing.....	13 00	
	Carried forward.....	11,859 12	

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

		\$	cts.	\$	cts.
	Brought forward .....	11,859	12		
	<i>"Lansdowne"—Concluded.</i>				
R. J. Wilkins.....	Painting and labour.....	154	48		
Steamer "Storm King".	Transporting.....	8	00		
Elkin & Hatfield .....	do .....	16	00		
Bradley Bros.....	Repairing blocks.....	61	48		
J. R. Cameron.....	Oil and lanterns.....	30	50		
F. Clementson & Co....	Crockeryware .....	6	25		
Daniel McDermott.....	Carting and storing 122 tons coal.....	73	20		
City Corporation.....	Slippage and wharfage .....	126	10		
Edwin Clark.....	16 days labour.....	12	26		
F. W. Wisdom.....	Condenser tubes, brooms and files.....	59	43		
H. W. Johnston.....	Freight on winch.....	32	21		
Thos. E. Moran.....	Slippage on boats.....	3	00		
Thos. Dixon.....	Labour on winch.....	3	00		
W. G. Robertson.....	Freight do .....	17	01		
Henry King.....	Boating .....	4	00		
A. J. Lamson.....	Beef and provisions.....	99	63		
Troop & McLaughlin... ..	Blocks and rope .....	70	30		
R. D. Logan.....	Groceries .....	135	63		
Geo. Flemming & Son... ..	Fitting donkey boiler.....	214	41		
Frank Covert.....	Wages to 22nd June.....	14	00		
J. O. Stackhouse.....	Carpentry and caulking .....	325	23		
George Fleming & Sons.	1 donkey boiler.....	720	00		
John Black & Co. ....	Diagonal steam winch, £60.....	292	00		
				14,337	23
	<i>Steamer "Newfield."</i>				
William Whiston.....	Beef .....	799	77		
Fred. Meyer.....	Vegetables.....	380	85		
Meagher & Doherty.....	do .....	275	10		
J. Simmonds.....	Lining ice house, tinware.....	90	61		
J. Hogan & Sons.....	Boards, plank, timber .....	261	98		
Rich. Beazley.....	Fresh fish.....	71	71		
H. Montgomerie.....	Bread .....	118	16		
Geo. E. Smith & Co.....	Paint, oil, rope, etc.....	465	03		
R. H. Cogswell.....	Rating chronometer .....	6	00		
do .....	Clock for engine room .....	10	00		
A. & W. Mackinlay.....	Stationery .....	16	13		
Burns & Murray.....	Toweling, cotton.....	17	00		
E. J. Lordly.....	Groceries .....	1,286	56		
Theakston & Angwin.....	Olive oil, chandlery, etc.....	653	67		
Chebucto Marine Ry. Co..	Slip hire.....	874	31		
Macdonald & Co.....	Machinists supplies and repairs .....	1,415	84		
Dr. A. J. Cowie.....	Medical attendance .....	5	00		
Alfred Vail.....	Provisions .....	75	33		
G. J. Hamilton & Sons...	Bread .....	7	50		
Silas Townsend.....	Anchor .....	83	47		
J. W. Peppett.....	Provisions .....	62	68		
Maria O'Brien.....	Washing.....	67	73		
Intercolonial Coal Mining Co .....	324 tons coal, at \$2.80.....	907	20		
James Knox.....	Water .....	34	50		
Henry Carr.....	Repairing boiler .....	24	05		
T. Titus & Son.....	Provi ions .....	68	45		
F. Mumford & Sons.....	Anchor stock.....	36	64		
Geo. Robertson & Co.....	Provisions .....	75	52		
John D. Townend.....	Wheel .....	40	40		
Symonds & Co.....	Fire brick, clay .....	8	90		
do .....	Repairing cooking range .....	47	00		
do .....	Crank shaft.....	1,010	00		
do .....	Repairs to hull and machinery .....	2,858	66		
do .....	Repairing cable gear .....	77	80		
do .....	do deck work .....	590	83		
W. C. Godsoe & Co. ....	Provisions .....	480	28		
	Carried forward.....	11,294	66		

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

		\$ cts.	\$ cts.
	Brought forward .....	12,294 66	
	"Newfield"—Concluded.		
S. M. Ungar .....	Washing.....	14 71	
Emerson & Fisher .....	Boiler for stove.....	3 15	
Wm. Lewis & Son .....	Iron work.....	6 15	
A. J. Aarestrup .....	Electric gong and bell.....	80 00	
John Findlay.....	Repairing boats .....	22 50	
P. W. McNaughton .....	Trimming coal.....	29 54	
G. A. Hemlow.....	Provisions.....	36 20	
Thomas Ead.....	Coaling.....	158 62	
Edw. Bennett .....	Cork fenders.....	10 00	
J. P. Mott & Co.....	Soap and soda.....	12 10	
Clayton & Sons .....	Uniforms, shirts.....	103 50	
D. S. Johns .....	Fitting electric gong .....	4 96	
John Patterson .....	Grate bars .....	62 01	
Dominion Paint Co.....	Composition paint.....	179 00	
Maurice Downey.....	Painting.....	241 65	
C. E. Creighton & Co..	83'48 galls. oil, at 25 cts .....	20 90	
do .....	42'17 do 24 cts .....	10 08	
W. McPatridge .....	Purchase blocks.....	35 00	
Gordon & Keith .....	Repairing wheel .....	32 00	
Archibald & Co.....	Pitch.....	3 25	
R. A. Guildford.....	Disbursements.....	53 22	
Dr. D. M. Wickwire.....	Medical attendance .....	7 50	
J. R. Glendonning.....	Ice.....	26 00	
John White .....	Tinware repairs.....	7 00	
T. Forhan & Co.....	Sky light covers.....	16 43	
Caleb Atkins.....	Labour on board.....	12 50	
W. & A. Moir.....	Repairs, iron work .....	139 85	
Hudson Bay Express.....	Provisions.....	115 50	
Intercolonial Express.....	Freight, machinery.....	2 75	
Michael O'Brien.....	Carpenters work and lapping new decks..	3,032 53	
do .....	Replacing davits, rails, cable gear .....	188 85	
S. Cunard & Co.....	Freight, steam winch.....	17 08	
W. L. Lowell & Co.....	Injector valves.....	151 88	
Starr Manufacturing Co.	Deck, bolts and nuts.....	17 93	
Barry & Evans.....	Machinists, supplies and repairs.....	417 77	
Arch. Warner .....	Ferriages.....	9 90	
J. E. Butler .....	Oars.....	98 96	
F. D. Corbett & Co.....	45 tons coal, at \$3.25.....	146 25	
Int'colonial Railway Co.	Freight, machinery.....	17 15	
William Williams.....	Caulking .....	8 10	
Officers and crew.....	Wages.....	9,915 26	
John Black & Co.....	Steam winch.....	292 00	
			29,054 33
	"Alert."		
Wm. Whiston .....	Provisions .....	77 28	
Pilot Commissioners.....	Pilotage.....	9 00	
Fred Meyer.....	Provisions.....	11 82	
E. J. Lordby.....	do .....	6 30	
R. A. Guildford.....	Paid for labour cleaning ship.....	43 93	
Noonan & Davies.....	Disbursements.....	292 90	
T. McAvity & Sons.....	Propeller blades.....	80 30	
Maria O'Brien.....	Washing.....	3 70	
G. E. Smith & Co.....	spring, steel.....	1 08	
W. & A. Moir.....	Machinists, supplies and repairs.....	128 49	
J. D. Nichols.....	Labour repairing boilers and machinery .....	430 90	
Macdonald & Co.....	Machinists, supplies and repairs.....	42 30	
Thomas Ead.....	Discharging ballast.....	67 50	
J. Hogan & Sons.....	Cement .....	2 15	
Mich. Corbett .....	Scraping and graving.....	103 64	
F. Mumford & Sons.....	Propeller shaft.....	395 00	
Officers and crew.....	Wages.....	1,536 48	
Capt. J. J. Barry.....	Paid 3rd officer .....	11 60	
	Carried forward.....	3,244 77	

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

		\$ cts.	\$ cts.
	Brought forward.....	3,244 77	
	"Alert"—Concluded.		
D. Smith.....	Pilotage.....	35 00	
John Lowrie.....	Water.....	4 44	
T. Lowrie.....	Pilotage.....	15 00	
D. Stewart.....	Groceries.....	28 99	
Noonan & Davies.....	Expenses, crew to Halifax.....	66 06	
Peake Bros & Co.....	Salt.....	0 56	
Blake Bros.....	Meat, vegetables.....	72 70	
			3,467 12
	<i>Steamer "Northern Light."</i>		
Captain A. Finlayson.....	12 months salary as Captain.....	717 00	
do.....	do wages of crew.....	4,651 65	
W. H. Davis & Sons.....	Castings and machine labour.....	287 05	
"Herald" Printing Co.....	Printing and advertising.....	13 50	
Nova Scotia Forge Co.....	Steel crank pins.....	40 00	
Steam Navigation Co.....	Freight and passages.....	9 79	
J. Leitch.....	Rug.....	5 00	
McKinnon & McLean.....	Repairs boilers, etc.....	527 19	
Intercolonial Coal Co.....	56 tons steam coal, at \$2.....	663 31	
do.....	239 14 tons do \$2.30.....		
McDonald, McDonald & Co.....	Rent, freight and expenses at Souris.....	128 77	
A. Kennedy & Co.....	Freight on coal to Souris.....	42 80	
S. W. Crabbe.....	Oil, waste, rubber packing, etc.....	956 74	
Bruno Doucette.....	Ladders.....	4 00	
T. McAvity & Sons.....	Zinc, castings, etc.....	51 68	
John Wise.....	Labour caulking.....	70 25	
James Purcell.....	do.....	50 50	
Peter McCary.....	Labour.....	22 00	
Vacuum Oil Co.....	5 gallons oil.....	4 35	
Charles Owen.....	Rent coal shed at Georgetown.....	75 00	
Carvell Bros.....	Freight.....	0 54	
Perkins & Sterns.....	Oil cloth, carpet, etc.....	72 08	
Edward Wise.....	Caulking.....	12 00	
John Gaffney.....	Painting lettering and guldging.....	100 00	
John Fraser.....	New iron wheel barrows and repairs.....	38 90	
D. Sullivan.....	Making molasses cask, etc.....	3 95	
G. E. Smith & Co.....	Manilla hauling lines.....	99 24	
Daniel Stewart.....	Provisions and groceries.....	1,293 10	
D. McLeod.....	Pilotage Sydney, towing "Moselle".....	14 00	
Capt. A. Finlayson.....	To pay wages towage do.....	80 50	
do.....	do Summerside.....	49 00	
John Lowrie.....	Water account.....	6 48	
Michael McCarthy.....	do.....	5 10	
Matthew Dunn.....	Pilotage and expenses towage Summerside.....	38 05	
P. E. I. Railway.....	Lumber.....	3 00	
McNeil & Coleman.....	Blacksmith work at Sydney.....	13 01	
J. McKinnon.....	Labour.....	1 00	
Fanny Monteith.....	Washing.....	3 45	
J. Turner.....	Board chief engineer McMillan.....	122 00	
Ellen Coyle.....	Washing.....	10 70	
J. J. Davis.....	Board Capt. Finlayson.....	51 00	
Noonan & Davies.....	Disbursements at Pictou.....	184 48	
D. Small.....	Second hand sail.....	20 00	
Stanley Bros.....	Blankets, sheets, towels, etc.....	152 68	
Jas. Prencher.....	Building bridges in boilers.....	2 00	
Anglo American Telegraph Co.....	Telegraphing.....	3 54	
W. H. Mutch.....	Fees, shipping crews.....	12 50	
Jas. King.....	Labour.....	5 00	
George Davidson.....	Earthen and glass ware.....	49 36	
C. D. Rankin.....	Medicines and drugs.....	34 19	
D. O'M. Redden, jun.....	Disinfectants.....	3 00	
	Carried forward.....	10,804 39	

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

		\$	cts.	\$	cts.
	Brought forward .....	10,804	39		
<i>Steamer "Northern Light"—Concluded.</i>					
W. H. Batt.....	Mooring ship at railway wharf.....		5 00		
L. Dixon.....	Milk account.....		6 40		
Acadia Coal Co.....	265½ tons coal, at \$2.40.....	636	60		
A. P. Hobbs.....	Meat and milk.....	340	57		
Peake Bros.....	Carpenter, labour and materials for repairs.....	609	67		
J. Newson.....	Mattresses, labour, etc.....	112	49		
Jas. Bourke.....	Provisions and groceries.....	693	06		
G. T. Hazard.....	Stationery for purser and captain.....	4	59		
Blake Bros.....	Meat and vegetables.....	451	00		
A. Hermons & Son.....	repairs new key.....	1	00		
R. R. Jenkins.....	Bread account.....	23	58		
W. Dillon.....	Repairs life buoys and cover for boats.....	42	54		
Matthew, McLean & Co.....	Provisions and groceries.....	186	26		
Daniel Hemphill.....	Attending lines.....	8	50		
"Examiner" Pub. Co.....	Printing and advertising.....	4	30		
S. A. Foster.....	Return charges on O. Connelly's tea.....	13	17		
Arch. Finlayson.....	Wages as pilot for March, 1-87.....	50	00		
J. J. Murchison.....	do mate do.....	41	70		
J. Smith.....	do 2nd mate do.....	25	00		
D. D. Ryan.....	do Purser do.....	37	50		
P. McLellan.....	do waiter do.....	16	70		
P. A. Hughes.....	do do do.....	10	00		
J. Creed.....	do galley boy for March, 1887.....	8	35		
				14,132	37
<i>Steamer "Neptune."</i>					
D. Smith.....	Pilotage.....		15 00		
M. McCarthy.....	Water account.....		4 60		
F. W. Hyndman.....	Telegraphing about insurance.....		6 75		
J. J. Barry.....	Expenses, St. John's Newfoundland.....	30	50		
do.....	1½ months wages as master, to 15th March, 1887.....	120	00		
Eliza McKinnon.....	Cleaning cabins, \$4.40; milk account, \$2.04.....	6	44		
S. W. Crabbe.....	Oil, waste, packing, etc.....	291	73		
Ellen Coyle.....	Washing.....	10	00		
J. J. Barry.....	Pay list of crew, December, 1886.....	547	33		
do.....	do January, 1887.....	963	78		
Parker & Sons.....	Boiler fluid compound.....	39	15		
Poole & Lewis.....	Lumber.....	18	45		
R. Palmer & Co.....	Labour, carpenter.....	32	65		
Noonan & Davis.....	100 tons Albion Mines coal, at \$2.25.....				
do.....	197 tons Acadia do at \$2.50.....			785	16
do.....	Pilotage, \$31.....				
do.....	Disbursements at Pictou.....			171	64
Stanley Bros.....	Blankets, sheets, etc.....			156	45
Telegraph Co.....	Telegraphing.....			11	21
Henry W. Mutch.....	Shipping fees.....			3	50
Intercolonial Coal Co.....	12 tons coal, at \$2.30.....			27	60
Myrick & Co.....	Fish.....			1	10
D. O'M. Redden, jun.....	Drugs and medicines.....			20	79
Daniel Stewart.....	Provisions and groceries.....			105	75
G. Davidson.....	do.....			588	01
C. Brydges.....	Labour.....			2	34
A. Kennedy & Co.....	Brass lamp.....			1	50
J. Dickieson.....	Milk account.....			3	80
G. J. Hamilton.....	Bread account.....			3	45
Acadia Coal Co.....	72 tons, at \$2.40, and 22 tons, at \$1.50.....	227	80		
Peake Bros.....	Labour and supplies.....	294	67		
J. Newson.....	Mattresses and labour.....	109	19		
Jas. Bourke.....	Provisions and groceries.....	270	96		
H. P. Hobbs.....	Meat and milk.....	225	29		
G. H. Hazard.....	Stationery for purser.....			5	55
J. Carroll.....	Thermometer.....			1	50
Blake Bros.....	Meat and vegetables.....			349	19
	Carried forward.....	16,352	83		

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

		\$	cts.	\$	cts.
	Brought forward.....	16,352	83		
<i>Steamer "Neptune"—Concluded.</i>					
P. Smith.....	Labour.....	10	17		
J. Mauley.....	do.....	2	83		
F. Keenan.....	do.....	1	70		
Thos. Trainor.....	do.....	8	67		
Peter McCrudden.....	do and expenses from St. Johns.....	31	00		
W. H. Lockhead.....	do.....	15	00		
R. R. Jenkins.....	Bread account.....	31	92		
"Herald" Printing Co.....	Advertising.....	3	65		
J. McNeil.....	Wages as acting 3rd engineer.....	39	00		
P. E. I. Railway.....	Freight.....	0	62		
J. Jennings.....	Balance wages.....	2	00		
Alex. McLean.....	do and expenses from Halifax.....	22	56		
Job Bros.....	Provisions.....	1,067	53		
do.....	Charter of vessel.....	12,129	45		
A. R. Gordon.....	Travelling expenses.....	91	85		
				18,909	78
<i>"Sir James Douglas."</i>					
John Devereux.....	12 months salary as Captain.....	1,399	92		
do.....	do pay of crew.....	4,701	03		
do.....	Labour on repairs.....	196	00		
do.....	Subsistence money, 86 days each, Captain and Engineer, at \$1 per day.....	172	00		
do.....	Fresh fish, etc., from Indians.....	29	47		
do.....	Labour.....	12	00		
L. Goddard.....	Beef, pork, etc.....	1,207	56		
J. Gosnell.....	Groceries.....	959	58		
A. J. Rowbotham & Co.....	do and milk.....	494	90		
R. Dunsmuir & Sons.....	273½ tons coal, at \$4.50.....	1,230	74		
E. B. Marvin.....	Paint, rope, ship chandlery.....	337	64		
P. McQuade & Sons.....	Forge, rubber, ensign, ship chandlery.....	231	32		
Albion Iron works Co.....	Repairing boiler and tubes.....	246	87		
John Robertson.....	Iron work for derrick, davits, etc.....	106	24		
do.....	Chais, punches, hammers, iron stanchions, etc.....	28	51		
Gordon, F. Grant.....	Gratuity for extra work.....	100	00		
Marine Department for Poley & Co.....	3 suits of clothes for officers.....	95	00		
J. J. Robinson.....	Making derrick.....	68	75		
do.....	Labour and material repairing boat.....	18	50		
E. Quesnell.....	Meat, etc, supplied at Nanaimo.....	47	21		
M. R. Smith.....	Bread.....	43	32		
J. J. Wilson.....	do.....	17	01		
Ching Gee (Chinaman).....	Washing.....	38	67		
Victoria Water Co.....	12 months supply of water.....	36	00		
Wilson Bros & Co.....	12 zinc plates, 16 furnace bars, etc.....	32	75		
A. & W. Wilson.....	Making 3 lamps, repairing galley stove, etc.....	29	75		
S. L. Kelly & Co.....	Forecastle stove, pipe, copper boiler and ventilator.....	23	00		
George Vienna.....	Fish, fruit, etc.....	18	12		
Marvin & Tilton.....	Knives, meat cutter, wire cloth, files, etc.....	16	12		
W. B. Townsend.....	1 lamb and 69 lbs. meat, at New Westminster.....	13	62		
Muirhead & Mann.....	160 ft. eastern oak, 25 plugs, etc.....	12	62		
T. N. Hibben & Co.....	Stationery, drawing instruments, tracing paper, etc.....	12	37		
T. Carrington.....	China, cutlery, saucepans, etc.....	10	62		
Canadian Pacific Navigation Co.....	Freight on stores to "Douglas" while in Fraser River.....	10	28		
J. Weiler.....	7 yards cocoa matting and repairing chairs.....	7	75		
W. P. Sayward.....	36½ ft. cedar and spruce.....	7	35		
A. J. Smith.....	Putting rail on gangway.....	6	41		
O. Hagen.....	Altering dress coat of engineer's uniform.....	6	00		
Shears & Page.....	2 doz. towels.....	6	00		
T. Sholbolt.....	Assortment of medicines.....	4	87		
Chas. Redfern.....	Repairing clock.....	2	00		
W. A. Lange.....	do.....	1	50		
				12,039	40

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


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RECAPITULATION.

S.S. "Napoleon III" .....	27,241 81	
"Druid" .....	23,754 11	
	<hr/>	50,995 92
"Lansdowne" .....		14,337 23
"Newfield" .....		29,054 33
"Alert" .....		3,467 12
"Northern Light" .....		14,132 37
"Sir James Douglas" .....		12,039 40
"Neptune" .....		18,909 78
		<hr/>
<b>REFUNDS.</b>		142,936 15
J. U. Gregory, proceeds of coal sold .....	281 40	
H. G. Lewis, payments for provisions supplied Indian Reserve .....	105 00	
do do Indian Reserve Commissioners .....	1,090 33	
do do proceeds condemned shaft .....	35 00	
	<hr/>	1,511 73
		<hr/>
		141,424 42

F. GOURDEAU,  
*Accountant.*

WM. SMITH,  
*Deputy Minister of Marine.*

## APPENDIX No. 12

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Examination of Masters and Mates, for Fiscal Year ended 30th June, 1887.

		\$	cts.	\$	cts.
Capt. P. A. Scott. ....	12 months salary as Chairman of Board. \$1,960 00				
do .....	do superannuation tax .....		40 00		
do .....	Travelling expenses.....	2,000	00		
do .....	Investigating charges of misconduct against Capt. Wyman, S.S. "Mary E. Chapman" .....	427	23		
A. J. Wolf. ....	Fees, \$96.00; rent of room, \$25.00 .....		121 00		
S. P. LeBlanc.....	do 16.00; do 15.00 .....		31 00		
J. Pritchard .....	do .....		192 00		
Wm. Thomas.....	do .....		192 00		
H. Lewis.....	do .....		172 00		
W. C. Seaton.....	do \$240.00; travelling expenses, \$336.91 .....		576 91		
Thos. Killam .....	do .....		172 00		
David Hunter.....	do .....		88 00		
T. F. Taylor.....	do \$82.73; travelling expenses, \$5.61.....		88 37		
S. J. Brookman.....	do .....		36 00		
Wm. Mellwain.....	do \$80.00; rent of room, \$5.38.....		85 38		
G. A. Mackenzie.....	do .....		16 00		
"The Star" .....	Advertising notices to mariners.....		4 20		
"Gazette" Printing Co. ....	do do .....		1 80		
"La Minerve" .....	do do .....		1 80		
News and Eastern Town-ship "Advocate" .....	do do .....		1 80		
"Le Monde" .....	do do .....		1 80		
"L'Etendard" .....	do do .....		1 80		
T. C. Allan & Co.....	"Shipping Gazette," 1887.....		2 00		
George Matson.....	Travelling expenses.....		66 00		
B. A. Bank Note Co.....	Printing certificates.....		54 00		
John Burgoyne.....	do blanks .....		111 50		
Creighton & Marshall.....	Stationery .....		31 23		
Geo. E. Morton.....	Binding, postage stamps.....		11 00		
T. Harbottle.....	Postage stamps.....		10 50		
Hakins & Co .....	9 months rent.....		30 00		
Queen's Printer.....	Printing, etc.....			4,546	67
					309 31
	Total.....			4,855	98

WM. SMITH,  
Deputy Minister of Marine.

F. GOURDEAU,  
Accountant.



## APPENDIX No. 13

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Hudson's Bay Expedition, for Fiscal Year ended 30th June, 1887.

		\$ cts.	\$ cts.
Lieut. A. R. Gordon .....	Salary as Commander of Expedition from 1st June, 1886, to 10th May, 1887.....	\$1,320 98	
do .....	Bonus .....	600 00	
			1,920 98
F. F. Payne.....	Salary as Observer, May and June.....	\$ 100 00	
do .....	Balance of salary, 1885-86 .....	259 66	
do .....	Bonus.....	25 00	
			384 66
Wm. Skynner .....	Salary as Observer, 1st August to 31st May, 1887 .....	\$ 425 00	
do .....	Bonus.....	25 00	
			450 00
Percy Woodworth .....	Balance salary as Observer .....	110 00	
J. R. Spencer.....	Allowance for having performed C. R. Tuttle's duties at Fort Churchill, for 1885-6 and 1886-7.	240 00	
J. W. Tyrrell.....	Balance salary as Observer.....	299 94	
G. A. Shaw .....	do .....	521 24	
J. McKenzie .....	do .....	778 09	
Johnson & Phillips.....	Sounding wire, £1.13.3 .....	8 09	
C. W. Coleman.....	Repairs to chronometer .....	45 00	
Noonan & Davies.....	Watchman's fees, pilotage, provisions, etc .....	303 18	
Dominion Express Co.....	Freight on box .....	6 35	
Rolph, Smith & Co .....	Profile paper.....	10 00	
S. Cunard & Co.....	Recoating sounding tubes.....	93 63	
Alexander & Cable.....	Lithographing illustrations.....	14 72	
			5,185 88
<i>Expedition No. 2.</i>			
J. P. Gooley.....	Balance of salary.....	328 00	
Wm. Mills.....	do .....	326 25	
F. Paul .....	do .....	352 50	
D. Creelman.....	do .....	427 30	
T. Mercier.....	do .....	535 25	
J. Mercier.....	do .....	542 50	
A. R. Bissett .....	do .....	519 50	
John P. Bowditch.....	do .....	571 50	
A. C. Boutlier .....	do .....	537 25	
M. Fleming.....	do .....	538 50	
Charles Neal .....	Expressage, freight, cartage, etc.....	77 46	
Thos. Ead .....	Labour and material .....	20 50	
H. Hesslein & Sons.....	Board of officers and staff .....	14 50	
A. R. Gordon .....	On account disbursements.....	320 00	
			5,111 01
<i>Steamer "Alert."</i>			
A. R. Gordon .....	Pay list, wages crew .....	3,429 68	
Dr. W. N. Wickwire .....	Certificates for seamen.....	5 00	
George E. Smith & Co ...	Ship chandlery.....	442 21	
Naval Storekeeper.....	Repairing launch and 400 tons coal.....	2,137 10	
R. H. Cogswell.....	Hire of chronometer .....	57 35	
Pilot Commissioners .....	Inward pilotage.....	14 00	
H. W. Johnstone.....	Travelling expenses.....	12 70	
L. A. Greeves .....	Harness cask, repairs, etc .....	10 05	
			6,108 09
REFUNDS.			
H. W. Johnstone.....	Proceeds sale of surplus stores, return of overcharge on nails, etc.....	1,634 81	14,404 98
A. R. Gordon .....	Balance of advance undisposed of.....	7 56	
			1,642 37
			14,762 61

F. GOURDEAU,  
Accountant.

WM. SMITH,  
Deputy Minister of Marine.

## APPENDIX No. 14

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Investigations into Wrecks and Casualties, for Fiscal Year ended 30th June, 1887.

		\$ cts.	\$ cts.
James Barber.....	Reporting wrecks, 80 at \$2, St. John.....	160 00	
Edward O'Brien.....	do 11 at 2, Windsor.....	22 00	
J. C. Bourinot.....	do 19 at 2, Port Hawkesbury.....	38 00	
D. Ferguson.....	do 30 at 2, Miramichi.....	60 00	
A. G. Hamilton.....	do 21 at 2, Kingston.....	42 00	
R. Benoit.....	do 4 at 2, Arichat.....	8 00	
H. W. Dimock.....	do 16 at 2, Windsor.....	32 00	
W. H. Moody.....	do 25 at 2, Yarmouth.....	50 00	
D. Urquhart.....	do 1 at 2, St. Peter's.....	2 00	
D. McDonald.....	do 12 at 2, Pictou.....	24 00	
E. Larochelle.....	Enquiring into loss, SS. "Brooklyn".....	10 00	
J. Bain.....	do do.....	10 00	
J. G. Bruneau.....	Stenographic notes re do.....	25 00	
Capt. P. A. Scott.....	Examining into abandonment of the "Louise M. Fuller".....	11 00	
do.....	Disbursements in re "Otter".....	21 14	
Queen's Printer.....	Printing.....		515 14
	Total.....		14 00
			529 14

F. GOURDEAU,  
*Accountant.*

WM. SMITH.  
*Deputy Minister of Marine.*

APPENDIX No. 15

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Meteorological Service for the Fiscal Year ended 30th June, 1887.

		SALARIES.	\$	cts.	\$	cts.
<i>Central Office.</i>						
C. Carpmael	12 months allowance for house rent		400	00		
H. V. Payne	12 do salary as Inspector		900	00		
R. F. Stupart	12 do do do		900	00		
B. C. Webber	12 do do do		900	00		
R. F. Smyth	12 do do Assistant		650	00		
James Young	12 do do do		760	00		
Thos. Menzies	To 12th May do do		234	87		
W. A. Stewart	12 months do do		500	00		
W. F. Davison	12 do do do		470	00		
J. W. Carroll	12 do do do		399	99		
E. Davis	12 do do do		243	50		
F. Napier Denison	12 do do do		270	00		
W. J. Hetherington	10½ do do do		142	50		
A. D. C. Grant	6½ do do do		99	00		
F. F. Payne	8 do do do		400	00		
H. A. Macdonell	6½ do do do		91	00		
A. S. Macdonald	9½ do do do		115	60		
Ross. McA. Cameron	8½ do do do		125	00		
H. F. Gillespie	2½ do do do		27	00		
D. M. Murray	2 do do do		40	00		
						7,668 48
<i>Chief Stations.</i>						
Quebec	W. A. Ashe, \$854; assistance, \$96		950	00		
do	Thos. Heatley, 12 months salary		120	00		
St. John N. B.	Geo. Hutchinson, 12 months salary.....\$ 980 00					
do	do superannuation tax... 15 00					
do	J. Drake, 12 months salary		995	00		
do	D. S. Hutchinson, 12 months salary		600	00		
do	D. S. Hutchinson, 12 months salary		50	00		
Halifax	Augustus Allison, \$400; assistance, \$340		740	00		
Sydney	Thos. O. Hill. 500; do 220		720	00		
Fredericton	Thos. Harrison, 340; do 260		600	00		
Montreal	C. H. McLeod, 300; do 500		800	00		
Woodstock	N. Wolverton, 240; do 160		400	00		
Winnipeg	Bursar St. John's College, 12 months salary		600	00		
Regina	Officer commanding N.-W. M. P., 12 months salary		120	00		
						6,895 00
<i>Telegraph Stations.</i>						
Yarmouth	E. Murphy, \$300; assistance, \$100		400	00		
Bird Rocks	T. Turbide, 120; do 30		150	00		
Grand Manan	H. C. Seeley, 120; do 30		150	00		
Chatham, N. B.	G. A. Blair, 150; do 66		429	33		
do	E. A. Blair, 150; do 63 33					
Anticosti	Grace Pope, 120; do 60		180	00		
Father Point	J. McWilliams, 200; do 60		260	00		
Kingston	A. P. Knight, 300; 2 assistants, 132		432	00		
Port Stanley	M. Payne, 300; 2 do 132		432	00		
Saugen	K. Stewart, 300; 1 do 100		400	00		
Parry Sound	Rev. R. Mosley, 300; 2 do 96		396	00		
Carried forward			3,229	33	14,563	48

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

		\$	cts.	\$	cts.
	Brought forward.....	3,229	33	14,563	46
	<b>SALARIES—Continued.</b>				
	<i>Telegraph Stations—Concluded.</i>				
Rockliffe .....	W. H. McIntyre, 12 months salary.....	240	00		
Port Arthur .....	W. P. Cooke, 12 do .....	400	00		
Minnedosa .....	Rev. J. M. Wellwood, \$300; 1 assistant, \$100.....	400	00		
Qu'Appelle .....	L. Gordon, J. P., 300; 1 do 100.....	400	00		
Medicine Hat .....	Jno. Ewart, 300; 1 do 100.....	400	00		
Calgary .....	H. S. Cayley, 12 months salary.....	400	00		
Edmonton.....	Alex. Taylor, \$120; 1 assistant, \$30.....	150	00		
Prince Albert .....	Rev. Canon Flett, 9 months salary.....	300	00		
Swift Current .....	W. G. Knight, 12 months salary.....	40	00		
				6,319	33
	<i>Reserve Telegraph Stations.</i>				
St. Andrews.....	S. T. Gove, 12 months salary .....	300	00		
Charlottetown, P. E. I. ....	Arthur Newberry, 1 month salary .....	25	00		
St. John's, Newfoundland .....	J. Higgins, 12 months salary .....	100	00		
Port Dover.....	H. Morgan, 12 do .....	300	00		
London .....	E. B. Reed, 12 do .....	300	00		
				1,025	00
	<i>Drum Stations.</i>				
Point Lepreaux.....	Geo. H. Thomas, 12 months salary.....	60	00		
Digby .....	N. A. Turnbull do .....	50	00		
Liverpool.....	J. L. Hemmeon do .....	60	00		
Halifax .....	Supt. of Signals do .....	60	00		
Louisburg.....	W. H. Townsend do .....	60	00		
Cow Bay .....	C. Archibald do .....	60	00		
Little Glace Bay.....	C. H. Rigby do .....	60	00		
North Sydney.....	M. J. Phoran do .....	60	00		
Pictou, N.S.....	M. Campbell do .....	60	00		
Port Hastings.....	W. J. McKeen do .....	60	00		
Point du Chêne.....	H. H. Schaefer do .....	45	00		
Bathurst .....	Hon. J. Ferguson do .....	100	00		
Dalhousie .....	H. A. Jhonson do .....	78	00		
Percé, P. Q.....	P. Vibert, \$15; F. LeBrun, \$15.....	30	00		
Gaspé, P. Q.....	J. Eden, 12 months salary.....	45	00		
McDonald's Cove.....	Miss Nellie Prinyer.....	45	00		
Cobourg .....	F. Reynolds, 12 months salary .....	45	00		
Port Hope .....	Thos. F. Janes do .....	45	00		
Toronto.....	Capt. A. Taylor do .....	45	00		
Burlington Beach.....	Capt. J. Campbell do .....	45	00		
Port Dalhousie.....	E. F. Dwyer do .....	45	00		
Port Colborne .....	D. Hughes do .....	45	00		
Goderich .....	Robt. Campbell do .....	60	00		
Kincardine.....	DeWitt H Martyn do .....	100	00		
Saugeen.....	Thos. Davis do .....	60	00		
Presque Isle .....	J. McKenzie do .....	100	00		
Collingwood.....	Mrs. A. Bligh do .....	84	00		
Deseronto .....	The Rathbon Co.....	20	50		
Pictou .....	J. A. Rawson .....	20	50		
Port Credit.....	A. Blakeley .....	20	50		
Oakville .....	Geo. J. Sumner .....	20	50		
Port Burwell.....	G. B. McCounell.....	21	50		
Amherstburg.....	W. H. McEvoy .....	21	50		
Sarnia .....	M. Fleming .....	21	50		
Bayfield .....	J. Gairdner .....	21	50		
Owen Sound .....	R. Thompson.....	18	00		
Midland .....	W. Henderson .....	18	00		
Trenton .....	W. J. Clarke .....	19	50		
				1,830	50
	Carried forward.....			23,738	29

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

		\$	cts.	\$	cts.
Brought forward.....				23,738	29
<i>Special Stations.</i>					
Belle Isle .....	Michael Colton.....	100	00		
Point Escuminac .....	.....	50	00		
				150	00
<i>Telegraphy.</i>					
D. O'Halloran .....	12 months salary at Central Office .....	600	00		
R. Cumming .....	do do do .....	480	00		
G. N. W. Telegraph Co. ....	Telegraph account for year.....	14,511	23		
do .....	Supplies.....	8	16		
do .....	Maintenance line at Mount Royal .....	18	66		
C. P. R. Telegraph Co. ....	Telegraph account for year.....	1,067	80		
M. Payne.....	12 months salary Drum Messenger.....	15	00		
L. Mosley .....	do Telegraph Messenger.....	60	00		
Arthur Newberry.....	1 do do do .....	5	00		
G. A. Burnett.....	12 do Agent at Buffalo.....	80	00		
B. S. Jenkins.....	Special assistance at Winnipeg .....	120	00		
R. J. Molloy .....	Reporting telegraph messages, Clark's Crossing... ..	100	00		
T. M. Hurst .....	Delivering do at Prinyer. ... ..	19	50		
Bell Telephone Co.....	1/2 year rent.....	25	00		
M. Fleming .....	Sarnia .....	20	00		
J. B. Rogers.....	Extra assistance.....	121	80		
W. G. Knight.....	For telegraph messenger.....	13	00		
do .....	Constructing line to station.....	45	40		
				17,310	55
<i>Instruments and Apparatus.</i>					
McDonald, Kemp & Co. ....	Rain gauges, etc .....	102	37		
James Foster .....	Meteorological instruments.....	328	85		
R. H. Scott.....	Instruments .....	182	68		
Thos. Dean.....	Zinc castings.....	23	40		
J. G. Rice.....	Wire guards.....	7	50		
G. M. Whipple .....	Instruments.....	100	06		
H. J. Green .....	do .....	228	50		
				973	36
<i>Stationery, Books, etc.</i>					
Brown Bros. ....	Stationery .....	206	48		
M. Ferrell.....	Postage stamps.....	350	47		
G. E. Stechert.....	Berlin almanac .....	4	62		
"Monetary Times" .....	Printing .....	34	00		
Copp, Clark Co. ....	do maps.....	107	00		
Publisher of "Science" ..	Subscription and back numbers.....	12	02		
E. W. Maunder .....	Subscription to "The Observatory" .....	6	92		
Chas. Annand .....	2 years subscription "Morning Chronicle" .....	12	00		
A. Asher & Co .....	Subscription "Meteorologische Zeitschrift" .....	4	48		
Mason & Payne.....	Stationery .....	6	38		
Cyclostyle Co .....	Cyclostyle paper .....	2	00		
O. J. D. & E. S. Dana....	Subscription "American Journal of Science" .....	2	38		
Barber & Ellis Co. ....	Wrappers .....	11	00		
Williamson & Co .....	Nautical almanac.....	10	65		
"Globe" Printing Co .....	Subscription .....	5	00		
Hart & Co .....	Periodicals.....	15	00		
Macmillan & Co .....	Back numbers periodicals .....	2	66		
Taylor & Francis.....	do .....	1	32		
Electrician .....	.....	0	38		
M. O. O., Toronto .....	P. O. O. for periodicals .....	4	46		
				799	19
Carried forward.....				42,971	39

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

		\$	cts.	\$	cts.
Brought forward .....				42,971	39
<i>Freight, Cartage and Customs.</i>					
American Express Co....	Freight .....	23	85		
Dominion Express Co....	do .....	158	32		
The Sheddon Co.....	do .....	18	03		
Canadian Express Co....	do .....	10	25		
H. L. Good.....	Charges for freight .....	4	60		
Canadian Pacific Ry. Co.	Freight .....	6	09		
Treasurer G. N. W. Tel Co.....	do .....	14	98		
Charles Carpmael .....	Freight paid at Toronto .....	97	98		
D. Pottinger .....	Paid freight on bulletin blanks to Moncton .....	5	25		
Jos. Caswell .....	Freight .....	6	00		
Grand Trunk Railway ...	do .....	3	24		
Alex. Taylor.....	do .....	8	50		
Hendrie & Co.....	do .....	1	18		
Dominion Transport Co..	do .....	9	72		
				367	99
<i>Expenses at Stations.</i>					
The Bell Telephone Co...	Halifax .....	17	50		
J. E. Butler.....	do .....	10	44		
Malcolm Campbell.....	Pictou .....	6	40		
W. J. McKeen .....	Port Hastings.....	12	25		
A. C. Lyman .....	Montreal .....	11	50		
Bellhouse, Dillon & Co...	do .....	31	61		
W. J. Clarke .....	Trenton .....	5	45		
T. W. Shaw .....	St. John, N. B. ....	12	30		
Barnes & Co.....	do .....	8	75		
A. Christie Wood work- ing Co.....	do .....	15	70		
J. E. Belcher.....	Peterborough .....	10	00		
Fred. Poitras .....	Quebec .....	220	23		
Gas Light Co.....	St. John, N. B. ....	4	68		
W. A. Ashe .....	Quebec .....	52	46		
H. Pope .....	Anticosti .....	5	00		
Sylvanus Phillips. ....	Petrolia .....	14	50		
Tweed & Ewart .....	Medicine Hat.....	5	55		
Geo. Wattie .....	Barrie .....	12	00		
Alex. Begg .....	High River .....	4	25		
Victor A. Huart .....	Chicoutimi .....	25	00		
W. H. Townsend... ..	Louisburg .....	4	00		
William Aitken.....	Poplar River.....	25	00		
G. A. Blair.....	Chatham .....	23	50		
E. E. Blair .....	do .....	9	33		
M. Payne .....	Port Stanley .....	44	00		
R. Mosley .....	Parry Sound .....	20	00		
M. Fleming.....	Sarnia .....	8	06		
Geo. Tutt .....	Cobourg .....	30	00		
F. Reynolds .....	do .....	9	50		
De Witt H. Martyn.....	Kincardine .....	20	37		
Thos. Harrison .....	Fredericton .....	16	25		
Wm. McBride .....	Stratford .....	6	40		
Sergt. Mulholland, R. E.	Halifax .....	3	90		
Oldreive & Hall .....	Kingston .....	8	20		
M. J. Phoran .....	North Sydney .....	2	49		
D. L. Hutchinson .....	St. John, N. B. ....	6	50		
Wm. Woods .....	York Factory .....	150	00		
J. D. Graham .....	Sharon .....	13	00		
T. Routier.....	Making frames for Bird Rocks .....	13	27		
H. J. Cundall .....	Charlottetown .....	71	09		
Thos. Davis .....	Saugeen .....	1	70		
T. F. James.....	Port Hope .....	1	70		
W. Henderson .....	Midland .....	3	00		
The Rathbun Co.....	Deseronto .....	1	15		
Carried forward.....				978	28
				43,339	38

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

		\$ cts.	\$ cts.
Brought forward.....		978 28	43,339 38
<i>Expenses at Stations—Continued.</i>			
Robt. Thompson.....	Owen Sound .....	3 15	
W. G. Knight .....	Swift Current .....	20 00	
J. McWilliams.....	Father Point.....	18 90	
W. P. Cooke.....	Port Arthur.....	15 00	
H. A. Johnson.....	Dalhousie .....	4 23	
J. L. Hemmeon.....	Liverpool, N. S.....	2 45	
Jos. Eden.....	Gaspé .....	1 05	
Hon. J. Ferguson.....	Bathurst .....	5 86	
Nellie Prinyer.....	Prinyer .....	1 75	
N. A. Turnbull.....	Digby .....	1 00	
J. E. Crawford.....	London.....	25 00	
J. E. Murphy.....	Yarmouth.....	184 46	
Rev. W. D. Reeve.....	Fort Chipewyan.....	35 00	
H. E. Rawson.....	Halifax .....	3 00	
F. LeBrun.....	Percé .....	13 00	
H. J. Woodside.....	Portage la Prairie.....	2 16	
Albert E. Morrison.....	Charlottetown.....	21 00	
Thos. S. Potts.....	Little Current.....	3 50	
McKelvey & Birch.....	Kingston .....	8 65	
S. T. Gove.....	St. Andrews.....	3 30	
H. E. Plunkett.....	Swampy Island.....	23 00	
Moses Burpee.....	Woodstock, N.B.....	23 10	
W. H. McEvoy.....	Amherstburg.....	57 65	
E. Chanteloup.....	Montreal.....	24 90	
T. R. Roulledge.....	do .....	18 00	
N. B. Scofield.....	Port Dover.....	17 00	
F. H. Macpherson.....	Beeton .....	10 06	
Jos. McDonald.....	Edmonton .....	25 85	
F. Sassesville.....	Cape Magdalene.....	18 00	
Hy. Locke.....	Cape Norman .....	18 00	
Thos. Gagné.....	Anticosti, E. Pt.....	18 00	
A. Malouin.....	do W. Pt.....	18 00	
E. Parent.....	Bicquette .....	18 00	
T. Oôté.....	Cape Chatte .....	18 00	
L. F. Faffard.....	Point des Monts.....	18 00	
F. Lemieux.....	Point Rich.....	18 00	
James P. Dillon.....	White Head.....	18 00	
Arthur & Tobin.....	Sable Island .....	18 00	
			1,730 24
<i>Travelling Expenses.</i>			
B. C. Webber.....	Travelling expenses .....	292 45	
William Menzies.....	do .....	9 25	
Charles Carpmael.....	do .....	48 25	
			349 95
<i>Miscellaneous.</i>			
W. J. Hetherington.....	Extra pay.....	140 00	
F. L. Blake.....	Special services.....	600 00	
R. F. Smyth.....	Extra pay .....	400 00	
B. C. Webber.....	Night probs.....	223 00	
William Menzies.....	Mechanical work .....	681 63	
Rice Lewis & Son.....	Hardware.....	119 64	
Water Works Dept.....	Water rent.....	15 00	
Lyman Bros.....	Chemicals .....	61 83	
John Finch.....	Carpentering .....	5 75	
H. A. Collins.....	Coal oil, etc.....	110 05	
W. F. Davison.....	Watch oil .....	4 50	
W. R. Dossier.....	Sweeping chimneys.....	3 00	
H. V. Payne.....	Night probs.....	183 00	
J. P. Wagner & Co.....	Lumber .....	109 73	
Carried forward.....		2,662 13	45,419 57

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

		\$ cts.	\$ cts.
Brought forward.....		2,662 13	45,419 57
<i>Miscellaneous—Concluded.</i>			
J. Merryfield.....	Carrying parcels .....	40 00	
do .....	Rent and cleaning rooms .....	48 00	
do .....	Scrubbing offices .....	36 00	
Eastman Dry Plate Co.....	Photographic papers .....	7 60	
The Cyclostyle Co .....	Cyclostyle paper.....	1 60	
Geo. Cowie .....	Reporting weather signals, Beeton .....	10 00	
Wm. Gray.....	do Orangeville Junction...	20 00	
Chas. Laperche.....	do Alexandria .....	8 00	
G. F. Le Roy.....	do North Hastings .....	10 00	
W. Wells.....	do Brockville .....	10 00	
H. A. Treen .....	do Richmond .....	8 00	
A. Low .....	do Stouffville .....	10 00	
G. L. Fisk .....	do Lorneville .....	10 00	
R. A. Elleker.....	do Manila Junction.....	10 00	
R. J. Matchett.....	do Lindsay .....	10 00	
F. Armstrong.....	do Hamilton .....	10 00	
D. Morice .....	do Niagara Falls.....	9 00	
J. C. Brown .....	do Streetsville Junction...	10 00	
W. B. Burnett .....	do Havelock.....	9 00	
J. Howard .....	do Cataract .....	10 00	
F. Castonguay.....	do St. Charles Junction...	10 00	
Jos. Hudon.....	do Trois Pistoles .....	9 00	
R. B. Blais.....	do Causapscaal .....	10 00	
G. H. Allan .....	do Dalhousie .....	10 00	
A. J. Fraser.....	do Elmsdale .....	10 00	
W. W. Price.....	do Petitcodiac .....	10 00	
H. Palmer.....	do Sackville .....	10 00	
A. M. McKay.....	do West River .....	10 00	
J. B. Humphrey.....	do Weldford .....	7 00	
F. L. Grass .....	do Folleigh .....	10 00	
W. R. Payne.....	do Bathurst.....	10 00	
W. F. Peden.....	do Carleton Junction .....	3 00	
Collin McIntosh.....	do Antigonishe .....	5 00	
R. Polk & Co.....	Gazetteer and Directory.....	11 00	
W. J. Hughes .....	Repairing grates, Toronto .....	10 13	
Conger Coal Co .....	Coal .....	147 50	
Bell Telephone Co .....	Toronto .....	25 00	
Rev. W. D. Reeve .....	Copying observations.....	30 00	
Jas. Little.....	do .....	30 00	
Wm. Aitken.....	do .....	50 00	
Thos Beall.....	do .....	30 00	
A. Brain.....	Attending anemometer at Island, Toronto .....	20 00	
A. D. C. Grant .....	Extra pay.....	20 00	
R. F. Stupart.....	Night probs .....	136 50	
Charles Carpmael .....	Petty disbursements .....	47 57	
Thos. Downey.....	Ladder .....	3 70	
Electric Despatch Co.....	Messenger service.....	1	
Edward Davis.....	Copying abstracts.....	29 40	
Queen's Printer.....	Printing, etc.....		3,675 43
			1,795 44
	Total.....		50,890 44

WM. SMITH,  
Deputy Minister of Marine.

F. GOURDEAU,  
Accountant.



## APPENDIX No. 16

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Magnetic Observatories in the Dominion, for the Fiscal Year ended 30th June, 1887.

		SALARIES.		\$	cts.	\$	cts.
Chas. Carpmael.....	12 months salary as Director.....	\$1,952	00				
do .....	do superannuation tax.....	48	00				
				2,000	00		
Thos. Menzies.....	12 months salary as Observer.....	\$463	12				
do .....	do superannuation tax.....	5	85				
				467	97		
W. A. Stewart.....	12 months salary as Observer .....	\$533	24				
do .....	do superannuation tax .....	6	76				
				540	00		
W. F. Davison .....	12 months salary as Observer .....	\$533	24				
do .....	do superannuation tax.....	6	76				
				540	00		
John Merryfield.....	12 months salary as Messenger.....			325	00		
							3,872 97
<i>Miscellaneous.</i>							
W. A. Stewart .....	House rent .....			150	00		
Thos. Menzies.....	do .....			129	93		
Faircloth Bros.....	Papering .....			20	00		
J. P. Wagner & Co.....	Lumber.....			45	17		
John Finch.....	Carpentering.....			41	00		
Water Works Dept.....	Water rent.....			12	00		
Jas. J. Brown.....	Earth.....			6	00		
James Young.....	Sunday service.....			40	00		
Canadian Express Co.....	Freight.....			1	55		
The E. Harris Co.....	Glass plates .....			3	00		
Brown Bros.....	Stationery.....			27	50		
Bennett & Wright.....	Plumbing .....			256	06		
W. A. Lyon & Co.....	Frame and mat.....			1	25		
R. Polk & Co.....	City directory.....			3	00		
H. A. Collins.....	Hardware, etc.....			44	48		
W. J. Hughes.....	Repairing and setting grates.....			19	15		
W. H. Vandersmissen.....	Translating.....			6	00		
N. Murray.....	Photograph of spectrum.....			12	10		
Conger Coal Co.....	Wood and coal.....			43	25		
Henry Palmer.....	Sodding, etc.....			11	60		
R. J. Stanley.....	Papering .....			8	86		
Alfred Coyell.....	Fencing.....			429	06		
G. E. Stechert.....	Berlin almanac.....			4	62		
Wm. Menzies.....	Mechanical assistance.....			61	75		
							1,377 33
	Total .....						5,250 30

## RECAPITULATION.

Meteorological Service.....			50,890 44
Observatory—Montreal.....	500 00		
do Kingston.....	500 00		
do Toronto.....	5,250 30		
			6,250 30
Total.....			57,140 74

F. GOURDEAU,  
Accountant.

WM. SMITH,  
Deputy Minister of Marine.

## APPENDIX No. 17

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Marine and Immigrant Hospital, Quebec, for Fiscal Year ended 30th June, 1887.

		\$ cts.	\$ cts.
Dr. O. C. Robitaille.....	13 months salary as Chairman of Board.....	250 00	
Dr. C. S. Parke.....	do Commissioner.....	250 00	
Dr. P. Wells.....	do Secretary and Treasurer.....	750 00	
Dr. A. Rowand.....	do Visiting Physician.....	500 00	
Dr. C. E. Lemieux.....	do do.....	500 00	
Dr. N. E. Dionne.....	do do.....	500 00	
Rev. L. L. Paradis.....	13 months allowance as Chaplain.....	180 00	
Rev. M. M. Fothergill.....	do do.....	180 00	
Dr. P. Wells.....	13 months pay list of employees.....	3,759 89	
do.....	Paid for beef, groceries, vegetables, etc.....	1,551 19	
Z. Paquet.....	Furniture.....	136 00	
P. Vallière.....	do.....	88 10	
James McCorkell.....	Bread.....	547 29	
J. C. Dorion.....	Drugs.....	213 80	
J. M. Mackay & Co.....	do.....	6 50	
W. Brunet et Cie.....	do.....	397 52	
P. O. D'Autueil.....	Dry goods.....	722 38	
James McCone.....	Groceries.....	1,737 90	
P. E. Blais.....	do.....	329 48	
A. Laberge.....	Joiner's work.....	793 94	
T. Delaney.....	Beef and pork.....	1,921 55	
M. Brophy.....	Milk.....	1,013 25	
A. Mulholland.....	Plumber's work.....	88 30	
George Cook.....	Smith's work.....	579 43	
M. Drolet.....	Washing.....	237 07	
Lyman, Sons & Co.....	Lint.....	50 00	
G. Lépine.....	Funeral expenses.....	40 00	
Ryan & Keraghan.....	Plumber's work.....	175 81	
Bell Telephone Co.....	Rent to 30th September, 1887.....	60 00	
A. Asselin.....	Cutting wood.....	165 00	
E. Morin et Cie.....	Drugs.....	76 68	
J. E. Burke.....	do.....	13 00	
T. Lemieux.....	Stationery.....	11 00	
City Corporation.....	Water rates, 1886-87.....	800 00	
T. Norris.....	Orockery.....	160 85	
Andrews Bros.....	Hardware, etc.....	570 44	
J. A. Langlois.....	Stationery.....	52 88	
R. Plamondon.....	Washing.....	129 06	
Rev. L. L. Paradis.....	Interments.....	16 00	
L. J. Demers et Frère.....	Printing.....	4 00	
Foisy et Frère.....	Sewing machine.....	45 00	
Mount Hermon Cemetery.....	Interments.....	35 00	
C. Duquet.....	Clock.....	40 00	
E. Jacot.....	Repairs to clock.....	12 75	
James Maguire.....	Plumber's work.....	35 80	
Boswell & Co.....	Ale.....	44 10	
Louis Gagnon.....	Ice.....	46 00	
			19,706 96

WM. SMITH,  
Deputy Minister of Marine.

F. GOURDEAU,  
Accountant.

## APPENDIX No. 18

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen and Shipwrecked and Distressed Seaman, for Fiscal Year ended 30th June, 1887,

## PROVINCE OF ONTARIO.

KINGSTON HOSPITAL.		\$ cts	\$ cts.
J. E. Clark, Secretary ...	Annual grant for support of sick seamen.....	.....	500 00

## PROVINCE OF QUEBEC.

MONTREAL GENERAL HOSPITAL.			
T. Davidson, Treasurer..	Maintenance of 83 sick seamen for season ended 30th November, 1886, 1,559 days, at 90c. ....	.....	1,403 10
NOTRE DAME HOSPITAL.			
Treasurer of Hospital.....	Maintenance of 58 sick seamen, 940 days, at 90c....	.....	846 00
SICK AND DISABLED SEAMEN.			
Rev. Lady Superioress....	Allowance for fuel, Chicoutimi.....	\$1 00 00	
do	Boarding sick seamen and medicine, Chicoutimi.....	111 80	
Dr. S. Pouliot .....	Attendance and medicine, Chicoutimi...	42 00	253 80
Dr. R. C. Blair.....	Attendance and medicine, Three Rivers.	\$24 00	
Hoeiner & Williams.....	Medicine, Three Rivers.....	14 05	38 05
Dr. N. C. Smillie..	Attendance and medicine, Gaspé.....	\$574 90	
Dr. D. W. E. Ray.....	do do	6 00	
J. A. Eden.....	Boarding and lodging, 10 seaman, Gaspé	49 00	
Catherine Sinnet.....	do do	21 00	650 90
Dr. J. P. Pelletier.....	Attendance and medicine, Matane .....	\$106 00	
Mrs. A. Desjardins .....	19 days board, seaman .....	14 25	120 25
H. Moreau.....	Attendance and medicine, St. John's .....		15 00
Dr. W. Maguire .....	do New Carlisle.	\$250 00	
J. Hocquard .....	Boarding sick seamen do	80 80	
P. O. Beauchésne.....	do do	91 35	372 15
Leclerc & Letellier.....	do Point Riche..		108 50
Dr. L. F. Lepage.....	Medicine and attendance, Metis.....		30 00
Charles Stewart .....	Boarding sick seamen ex "I. L. B.".....		29 00
General Hospital, Sorel..	do "Eastern Star".....		36 00
Dr. E. H. Provost.....	Attendance on do do		23 25
Isidore Morin .....	Boarding do "Flying Foam".....		15 00
Quebec Steamship Co.....	Passage do do		6 00
Queen's Printer.....	Printing, etc.....		48 62
			1,697 90
			1,746 52

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF QUEBEC—Concluded.

SHIPWRECKED AND DISTRESSED.		\$	cts.	\$	cts.
J. U. Gregory .....	Paid to 5 seamen ex "Ripple" .....	25	00		
J. A. H. Campbell .....	Expenses, crew ex "Mary" .....	31	95		
Merchants Bank .....	do seamen .....	110	00		
Dept. of Agriculture .....	Paid board, James Norris .....	6	56		
do Indiaa Affairs...	Expenses incurred by Indians on behalf of wrecked crew ex "Thomas R. Foster" .....	65	70		
John Vibert .....	Boarding 6 men, 102 days, at 50c. ....	51	00		
E. Boucher .....	do 8 men, 4 days, at 50c. ....	24	00		
P. Ward .....	Furnishing beds, etc. ....	19	50		
Queen's Printer .....	Printing, etc. ....			333	71
				20	91
				354	62
BOARD OF TRADE.					
Account, Board of Trade	To reimburse expenses of seamen ex "Itasca" .....	128	46		
	do "Augusta Muir" .....	31	23		
	do "Avlona" .....	25	22		
	do "Florence" .....	143	60		
	do "Calabria" .....	28	89		
	do "Beta" .....	69	35		
	do "Cygnus" .....	43	21		
	do "Kismet" .....	3	08		
	do "Mollie A. Reed" .....	163	26		
	do "Ossee" .....	76	41		
	do "Orient" .....	88	21		
	do "Henry" .....	35	94		
	do "Gloire" .....	124	10		
	do "Maggie" .....	81	76		
	do "Alida A. Smith" .....	53	06		
	do "Lizzie" .....	20	98		
	do "Gem" .....	70	14		
	do "Elizabeth" .....	52	58		
	do "Sabra Killam" .....	17	97		
	do "Sea Flower" .....	22	73		
	do "Freddie F" .....	9	92		
	do "Louis Dugan" .....	42	08		
	do "Ivanhoe" .....	30	84		
	do "J. W" .....	28	39		
	do "Pereaux" .....	36	19		
	do "Mattie D" .....	112	34		
	do "Oriana" .....	49	13		
	do "Summerside" .....	35	49		
	do "Cetewayo" .....	53	47		
	do "Mary Theall" .....	12	57		
	do "Atlanta" .....	36	90		
	do "Guelph" .....	203	89		
	do "Alice May" .....	48	51		
	do "St. Vincent" .....	149	37		
	do "Mary George" .....	17	95		
				2,146	32

**STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.**

**PROVINCE OF NOVA SCOTIA.**

	SICK AND DISABLED SEAMEN.	\$ cts.	\$ cts.
Provincial and City Hos- t .....	Board seamen for fiscal year ending 30th June 1887, 3377 days, at 90 cts per day .....		3,039 20
	<i>Arichat.</i>		
Dr. A. V. Harel .....	6 months salary .....	124 98	
do .....	Attendance and medicine .....	37 09	
Annie Forrest .....	Board, 1½ weeks, at \$3.00 .....	5 15	
Felix Martell .....	do 20½ do 3.50 .....	71 50	
Eliza Marchand .....	do 4½ do 3.00 .....	13 28	
Adèle Laballe .....	do 2 do 3.50 .....	7 00	
Alex. Britau .....	do 2 do 3.50 .....	7 00	
Dr. H. J. Fixott .....	Attendance and medicine .....	28 50	
Dr. J. C. L'Espérance .....	do .....	19 00	
			313 50
	<i>Annapolis.</i>		
Dr. Aug. Robinson .....	Attendance and medicine .....	42 25	
M. G. Amberman .....	Board, 16 days, at 75 cts. ....	12 00	
M. A. Bochner .....	do 7 do at 75 cts. ....	5 25	
do .....	do 3 weeks, at \$3. ....	9 00	
			68 50
	<i>Advocate.</i>		
Dr. Henry S. Clay .....	Attendance and medicine .....		7 50
	<i>Barrington.</i>		
Dr. F. P. Smith .....	Attendance and medicine .....	4 50	
Dr. H. Wilson .....	do .....	36 75	
Dr. A. J. Fuller .....	do .....	20 25	
Matthew Atkins .....	Board, 2 weeks, at \$2.00 .....	4 00	
Charles Sears .....	do 15½ do 3.00 .....	46 72	
Vincent Nickerson .....	do 7 do 3.00 .....	21 00	
John Sears .....	do 4 do 3.00 .....	12 00	
Gideon Nickerson .....	Coffin, etc. ....	12 00	
			167 22
	<i>Bear River.</i>		
Dr. F. S. Kinsman .....	Attendance and medicine .....	63 00	
Mrs G. Merritt .....	Board, 1 week .....	3 00	
Dr. R. J. Ellison .....	Attendance and medicine .....	69 05	
W. V. Spurr .....	Board, 5 weeks, at \$3 00 .....	15 00	
Lenora Collins .....	do 7 do 3.00 .....	21 00	
E. Sandford .....	do 3 do 3.00 .....	9 00	
Sarah McFaden .....	do 4 do 3.00 .....	12 00	
			192 05
	<i>Bayfield.</i>		
Dr W. H. McDonald .....	Attendance and medicine .....	8 75	
Dr. A. McIntosh .....	do .....	5 75	
Dr. A. Cameron .....	do .....	8 50	
Dr. J. A. McKinnon .....	do .....	11 50	
Mrs. J. McDonald .....	Board, 8 weeks, at \$3.00 .....	24 00	
do .....	do 10 do 2 50 .....	25 00	
			83 50
	Carried forward .....		3,861 57

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc,—*Continued.*

PROVINCE OF NOVA SCOTIA—*Continued.*

		\$ cts	\$ cts.
Brought forward .....			3,861 57
SICK AND DISABLED SEAMEN— <i>Continue 1.</i>			
<i>Baddeck.</i>			
Dr. J. S. Bethune.....	Attendance and medicine .....		4 00
<i>Canso.</i>			
Dr. Chas. Newcomb.....	Attendance and medicine .....	103 70	
Susan Nickerson .....	Board, 2 weeks, at \$3 50 .....	7 00	
do .....	do 2½ do 3 00 .....	7 50	
do .....	Extra for nursing .....	1 00	
do .....	Board and nursing, 2 weeks, at \$5 .....	10 00	
do .....	Burial expenses .....	8 00	
Bridget Fanning.....	Board, 2½ weeks, at \$3 .....	7 29	
do .....	Nursing, 2 weeks, at \$1 .....	2 00	
Katy Fanning .....	Board, 5 days, at 50 cts.....	2 50	
			148 99
<i>Cow Bay, C.B.</i>			
Dr. R. A. H. McKeen ....	Attendance and medicine .....		39 50
<i>Economy.</i>			
Dr. J. M. Maclean .....	Attendance and medicine .....	66 65	
A. L. McAloney .....	Board, 10 weeks, at \$3 .....	30 00	
C. E. Cutten .....	Clothing .....	10 00	
E. Huntley .....	Conveyance .....	2 00	
			108 65
<i>Freeport.</i>			
Dr. D. W. Morrison.....	Attendance and medicine .....	85 53	
Charles Brooks .....	Board, 6 weeks, at \$3.00 .....	18 00	
Wm Smith .....	do 3 do 3 00 .....	9 00	
Matilda Hames .....	do 3 do 2.50 .....	7 50	
Bella Hames .....	do 2 do 2 50 .....	5 00	
Geo. Robbins .....	do 2 do 3 00 .....	6 00	
Caroline Lewis .....	do 3 do 3 00 .....	9 00	
			140 03
<i>Guyborough.</i>			
Dr. J. E. Buckley.....	Attendance and medicine .....		4 00
<i>Glace Bay.</i>			
Dr. Marcus Dodd .....	Attendance and medicine .....	67 00	
Eliza Martell.....	Board, 11 weeks, at \$2.50.....	27 50	
			94 50
<i>Hantsport.</i>			
Dr. C. J. Margeon.....	Attendance and medicine.....		5 25
Carried forward.....			4,406 35

**STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.**

PROVINCE OF NOVA SCOTIA—Continued.

		\$ cts.	\$ cts.
	Erought forward.....		4,406 35
<b>SICK AND DISABLED SEAMEN—Continued.</b>			
<i>Halifax.</i>			
A. B. Bligh.....	Conveyance.....		5 40
<i>Joggins.</i>			
Dr. Wm. Rockwell.....	Attendance and medicine.....	10 35	
Dr. R. A. Guildford.....	do .....	12 50	
Dr. J. E. Trueman.....	do .....	16 50	
Fanny Carter.....	Board from 27th May, to 13th June.....	8 00	
			47 35
<i>Lunenburg Hospital.</i>			
S. A. Ronsefell.....	Medicines .....	84 80	
Dr. Stannage Jacobs.....	Salary .....	150 00	
Arthur Thurlow.....	Board, 126 weeks and 1 day, at \$3.00.....	378 46	
do .....	Teaming coal .....	4 75	
do .....	3½ cords wood.....	14 88	
do .....	1 chaldron coal.....	6 38	
do .....	Salary .....	150 00	
			789 27
<i>Lockeport.</i>			
Dr. W. J. Freeman.....	Attendance and medicine.....	209 50	
Henry Hamilton.....	Board, 6 weeks, at \$5.00 .....	30 00	
do .....	do 7 do 3.50.....	24 50	
do .....	do 17 weeks and 5 days, at \$3.00.....	53 15	
do .....	Board and nursing, 12 weeks.....	12 00	
do .....	Washing.....	1 25	
Donald McKenzie.....	Boarding, 4 weeks, at \$5.....	20 00	
do .....	Washing.....	2 00	
Dr. J. U. Street.....	Attendance and medicine.....	43 00	
Howard Turner.....	Board, 12 weeks, at \$3.50 .....	42 00	
Thos. Rawlings.....	do 10 do 3.00 .....	30 00	
			467 40
<i>Liverpool.</i>			
Dr. H. G. Farish.....	Salary .....	100 00	
Margaret Day.....	Board, 11 weeks, at \$3.50 .....	38 50	
John Hornish.....	do 5 do 3.50 .....	17 50	
Sarah Head.....	do 6 weeks and 2 days, at \$3.50.....	22 00	
A. V. Hagin.....	do 3 do 1 do 3.50.....	11 00	
S. Chandler.....	do 3 weeks, at \$3.50 .....	10 50	
			199 50
<i>La Have.</i>			
Dr. Oliver Saunders.....	Attendance and medicine.....		10 00
<i>Mahone Bay.</i>			
Dr. Geo. A. Pickles.....	Attendance and medicine.....	46 00	
Mrs. T. Langille.....	Board, 3 weeks and 6 days, at \$3.00.....	11 58	
			57 58
	Carried forward .....	57 58	5,925 41

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$ cts	\$ cts.
	Brought forward .....	57 58	5,925 41
<b>SICK AND DISABLED SEAMEN—Continued.</b>			
<i>Mahone Bay—Concluded.</i>			
Mrs. C. Hardy .....	Board, 2 weeks and 4 days, at 3 00 .....	7 72	
Dr. Charles Gray .....	Attendance and medicine .....	81 00	
Eliza Schuare .....	Board, 4 weeks, at \$3.00 .....	12 00	
Abigail Ernst .....	do 7 do 3 00 .....	21 00	179 30
<i>North Sydney.</i>			
Copeland & Co. ....	Medicines .....	64 55	
Dr. H. B. McPherson .....	Salary .....	300 00	364 55
<i>Northport.</i>			
J. M. Burns .....	Board, 1 day .....	1 00	
do .....	Cabin fare and team station to Hospital .....	1 75	
do .....	Hotel, 40 cts.; self and horse, 1 day, \$3 .....	3 40	
Dr. J. G. Campbell .....	Attendance and medicine .....	19 20	25 35
<i>Port Hawkesbury Hospital.</i>			
John Matheson .....	Salary .....	144 00	
do .....	Board, 25 weeks and 3 days, at \$3 .....	76 30	
do .....	Repairs to buildings .....	174 21	
do .....	Bedpan .....	2 00	
Henry Embree .....	Painting and lettering signs .....	8 00	
Dr. P. A. Macdonald .....	Salary .....	100 00	
do .....	Medicines .....	37 20	
Barnstead & Sutherland .....	Blankets, quilts .....	14 50	556 21
<i>Parrstoro'.</i>			
A. J. Townshend .....	Salary .....	145 83	
Dr. H. P. Clay .....	Attendance and medicine .....	25 00	
Dr. D. M. Pettis .....	Nurse, board, washing .....	10 00	160 83
<i>Pugwash.</i>			
Dr. R. A. Dakin .....	Attendance and medicine .....		11 00
<i>Pictou.</i>			
Dr. J. McMillan .....	Conveyance 1 man .....	2 12	
do .....	Salary .....	400 00	
A. McKaracher .....	Board, 47 weeks and 1 day .....	143 59	
do .....	Salary .....	150 00	
A. C. Baillie .....	Clothing .....	9 90	
Wm. Carson .....	Stovepipe .....	8 30	713 91
<i>Port Greville.</i>			
Dr. Clifford Sayre .....	Attendance and medicine .....	36 00	
A. Hatfield .....	Board, 3 weeks, at \$5 .....	15 00	
	Carried forward .....	41 00	7,956 56



STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$ cts.	\$ cts.
Brought forward.....		41 00	7,956 56
SICK AND DISABLED SEAMEN—Continued.			
<i>Port Greville—Concluded.</i>			
Dr. M. G. Atkinson.....	Attendance and medicine.....	42 45	
James E. Cole.....	Board, 7 weeks, at \$3 00.....	21 00	
Mrs. Howard.....	do 2 do 2.50.....	5 00	
Dr. A. J. Clarke.....	Attendance and medicine.....	18 50	
Mrs. R. Morrison.....	Board, 4 weeks, at \$3.....	12 00	
			149 95
<i>Port Gilbert.</i>			
Dr. H. A. Ellison.....	Attendance and medicine.....	32 50	
Dr. E. Fritz.....	do.....	34 35	
Joseph White.....	Board, 4 weeks, at \$3.00.....	12 00	
Eli. Adams.....	do 3 do 3.00.....	24 00	
			102 85
<i>Port Medway.</i>			
Lavinia Whynoch.....	Board, 3 weeks, at \$2.50.....	7 50	
A. Morine & Son.....	Team for doctor.....	4 00	
do.....	Conveyance.....	0 75	
C. A. Mack.....	Board, 5 days, at \$1 per day.....	5 00	
			17 25
<i>River John.</i>			
Dr. H. F. Cameron.....	Attendance and medicine.....	20 65	
Mrs. A. McDonald.....	Board, 3 weeks, at \$3.....	9 00	
Wm. Gammon.....	Coach fare.....	1 25	
			30 90
<i>Sydney Hospital.</i>			
Samuel Muggah.....	Board, 155 weeks and 1½ day, at \$3.....	465 64	
do.....	Straw, repairing bedsteads.....	2 30	
do.....	Stove linings.....	2 20	
do.....	Salary as Keeper.....	250 00	
C. L. Ingraham.....	Supplies.....	56 93	
Dr. A. D. MacGillvary.....	Salary.....	300 00	
do.....	Medicines.....	25 90	
N. & J. McLellan.....	Repairing pump and tinware.....	3 68	
do.....	Stove.....	8 00	
M. B. Umlah.....	Glass and putty.....	3 05	
			1,117 70
<i>Shelburne.</i>			
Dr. J. S. Morton.....	Attendance and medicine.....	8 50	
M. A. Thompson.....	Board, 3 weeks and 4 days, at \$3.50.....	12 50	
do.....	Washing.....	1 00	
			22 00
<i>Sheet Harbour.</i>			
Dr. Finlay McMillan.....	Attendance and medicine.....	88 75	
Geo. Penny.....	Board, 11 weeks and 5 days, at \$2.50.....	29 29	
			118 04
Carried forward.....			9,515 65

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$	cts.	\$	cts.
Brought forward.....				9,515	85
SICK AND DISABLED SEAMEN—Concluded.					
<i>Thorne's Cove.</i>					
Dr. J. A. Coleman.....	Attendance and medicine.....	62	50		
Sarah Oliver.....	Board and nursing, 4 weeks, at \$4.....	16	00		
				78	50
<i>Weymouth.</i>					
Dr. H. A. Ellison.....	Attendance and medicine.....	6	00		
M. A. Haukinson.....	Board, 3 weeks, at \$1.50.....	7	50		
				13	50
<i>Windsor.</i>					
Dr. J. B. Black.....	Attendance.....				7 00
<i>Yarmouth.</i>					
Dr. A. M. Perrin.....	Salary.....	150	00		
J. M. LeCain.....	Board, 9 weeks and 4 days, at \$3.....	28	72		
A. J. McCallum.....	Medicines.....	21	93		
				200	64
MISCELLANEOUS.					
Fishwick's Express.....	Conveyance and subsistence, seamen.....	16	00		
Intercolonial Railway....	do.....	2	28		
Michael Phelan.....	Allowance for board and medical attendance, 44 days, at 90 cts. per day.....	39	60		
				57	88
Total.....				9,872	77
SHIPWRECKED AND DISTRESSED SEAMEN.					
<i>Subsistence and Conveyance.</i>					
H. B. Lewis.....	1 man ex "Conductor".....	7	29		
J. E. Fielding.....	6 do "J. Northup".....	24	00		
do.....	1 do "Mary".....	5	50		
A. S. Townshend.....	Crew ex "Sisters".....	40	00		
A. G. Hamilton.....	do "Annie Duncan".....	15	00		
do.....	do "Magnolia".....	55	50		
James W. Brown.....	4 men ex "Annie Duncan".....	19	80		
do.....	Crew ex "Magnolia".....	37	20		
William Harris.....	6 men ex "Birdie".....	12	50		
Sailors Home.....	Crew ex "John Northup".....	32	50		
do.....	1 man ex "W. McDonald".....	4	20		
do.....	1 do "Wave King".....	1	55		
do.....	5 do "Orient".....	10	50		
do.....	5 do "Ceylon".....	13	40		
do.....	1 do "M. McGowan".....	7	80		
E. Wills.....	5 do "Orient".....	7	30		
J. Nickerson.....	1 do "W. G. Gordon".....	3	00		
O. T. McKay.....	2 do "Winifred".....	22	27		
Edwin Collins.....	3 do "Nyanza".....	8	78		
O. A. Martell.....	1 do "Daisy".....	8	40		
Carried forward.....				336	49

## STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

## PROVINCE OF NOVA SCOTIA—Concluded

		\$ cts.	\$ cts.
Brought forward.....		336 49	.....
DISTRESSED AND SHIPWRECKED SEAMEN—Concluded.			
<i>Conveyance and Subsistence—Concluded.</i>			
Edward Kinney.....	1 man ex "Jessin" .....	9 88	
S. Knickle.....	2 do "Florence A. Z." .....	4 38	
Thos. Romkey.....	1 do do .....	5 11	
Reuben Romkey.....	1 do do .....	2 92	
Henry Dawson.....	5 do "Albion" .....	14 60	
do.....	1 do "Sappho" .....	2 92	
R. McDonald.....	2 men ex "Mary Ann" .....	20 00	
D. McDonald.....	Crew ex "Henry Battye" .....	49 00	
W. A. Chase.....	4 men ex "Nyanza" .....	8 76	
do.....	3 do "F. A. Clairmonte" .....	4 38	
do.....	1 do "Acadia" .....	1 46	
do.....	1 do "Geo. Gordon" .....	1 46	
S. M. Malone.....	12 do "Annie McGie" .....	48 00	
A. G. Jones & Co.....	2 do "Esse Cronan" .....	2 92	
do.....	4 do "Clifford" .....	34 07	
Geo. Sanford.....	1 do "Perean" .....	4 38	
J. R. McDonald.....	1 do "Turban" .....	2 07	
Merchants Bank.....	Crew ex "M. A. Belle" .....	60 00	
do.....	do "Tiber" .....	20 00	
do.....	do "Mispah" .....	70 00	
J. H. Porter & Co.....	2 men ex "Sappho" .....	20 43	
J. C. Bourinot.....	Crew ex "Jas. Read" .....	30 00	
			753 21
<i>Subsistence.</i>			
Sailors Home.....	1 man ex "Hattie H." .....	0 60	
do.....	1 do "Galena" .....	0 60	
do.....	1 do "J. Knox" .....	1 80	
do.....	1 do "Invermay" .....	3 60	
do.....	1 do "Wetherby" .....	2 40	
do.....	1 do "Damara" .....	4 20	
Mary McDonald.....	4 do "Hope" .....	6 00	
Michael O'Connors.....	2 do "C. Graham" .....	6 00	
Jas. P. Dillon.....	Crew ex "Birdie" .....	25 63	
			50 83
<i>Conveyance.</i>			
James Power.....	Crew ex "Magnolia" .....	11 00	
Chas. Purcell.....	3 men ex "C. Graham" .....	3 00	
Wm. Watt.....	1 do do .....	11 40	
			25 40
<i>Clothing.</i>			
Sailors Home.....	Crew schr. "C. Graham" .....		72 50
MISCELLANEOUS.			
B. Smeltzer.....	Subsistence, nurse, clothing crew "C. Graham"...	15 00	
A. A. Scott.....	Messenger for doctor .....	4 00	
Angus McFarlane.....	Gratuity in aid of expenses for board, etc .....	50 00	
			69 00
Total.....			970 94

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NEW BRUNSWICK.

MARINE HOSPITALS.		\$	cts.	\$	cts.
<i>Bathurst.</i>					
G. M. Duncan .....	12 months salary .....	150	00		
Angus McKaracher.....	Boarding seamen, 66 weeks and 5 days.. \$280 20				
do .....	Fuel, repairing stove, oil .....	21	25		
		301	45		
John Ferguson .....	Boarding seamen, wood, drugs, medicine, cotton, oil and commission.....	584	55		1,036 00
<i>Campbellton.</i>					
V. J. A. Verner.....	Medicine and attendance .....				53 25
<i>Hillsborough.</i>					
Jas. A. Archibald.....	10 weeks boarding seamen .....	43	00		
E. P. Jump.....	Medical attendance on seamen .....	30	86		
W. J. Lewis.....	Medical attendance.....	54	95		
Geo. Bishop .....	Boarding Wilson 6 weeks.....	24	00		
					152 81
<i>Lepreauz.</i>					
H. P. Reynolds.....	Medicine and attendance.....				21 50
<i>St. John.</i>					
W. A. Barnes.....	12 months salary as Keeper .....	300	00		
Dr. L. B. Botsford .....	12 do Physician .....	560	00		
Dr. W. S. Harding.....	12 do do Pest House.....	100	00		
Rev. Jas. Spencer .....	12 do Chaplain .....	100	00		
W. A. Barnes.....	Boarding seamen, \$2,379.07; hearse hire, etc., \$11.29 .....	\$2,390	36		
do .....	15 months allowance for Engineer.....	187	50		
		2,577	86		
W. H. Powers .....	Coffin and hearse hire .....	12	00		
Water Commissioners.....	Water rates .....	6	18		
F. Clementson & Co.....	Dishes .....	11	15		
Barnes & Co.....	Stationery and forms .....	44	75		
W. H. Thorne & Co.....	Brushes, rope and lock .....	32	55		
Campbell & Ellis .....	Copper, tin and labour .....	32	04		
S. McDiarmid .....	Drugs and medicines .....	206	63		
Geo. Wilson .....	2½ cords wood .....	15	50		
St. John Gas Light Co..	Bill to 1st August, 1886.....	35	00		
A. C. Smith .....	Water rates .....	39	60		
Jas. Bell .....	Whitewashing and glazing .....	45	75		
Jardine & Co.....	Soap and brooms .....	22	20		
Eatey, Allwood & Co.....	Air cushions.....	4	90		
Mason Sheffield .....	Consultation fee.....	10	00		
Lawrence McLaren .....	do .....	10	00		
Walter Lane.....	Carpenter work .....	57	92		
Wm. Lewis & Son .....	Wheelbarrow and labour .....	15	25		
D. Breeze.....	Brandy .....	4	55		
W. C. Gibson .....	Repairing clocks .....	3	75		
C. E. Burnham & Sons..	1 set wheel axles .....	1	50		
John Carson .....	Cordwood .....	7	00		
"Sun" Publishing Co..	Subscription to paper.....	16	53		
J. W. Barnes & Co .....	Wadding and muslin.....	1	89		
G. Sydney Smith .....	Expenses burying seamen .....	8	00		
					4,276 50
	Carried forward.....				5,540 08

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NEW BRUNSWICK—*Continued.*

		\$ cts.	\$ cts.
	Brought forward.....		5,640 06
<b>MARINE HOSPITALS—<i>Concluded.</i></b>			
<i>Miramichi.</i>			
J. S. Benson .....	12 months salary as Physician .....	400 00	
Wm. Porter .....	12 do Keeper .....	200 00	
de .....	Boarding seamen and labour .....	5 7 71	
Wm. Masson.....	Brooms, brushes, lamps and oil .....	47 10	
Jos. McKnight.....	Carting, stove and soap .....	44 14	
E. Hutchinson.....	Cordwood and coal .....	32 11	
David McKenzie .....	54 cords wood.....	21 60	
E. Lee Street.....	Cod liver oil .....	2 10	
J. D. B. F. McKenzie.....	Drugs and medicines .....	38 40	
			1,303 16
<i>Moncton.</i>			
E. B. Chandler .. .....	Attendance .....		40 60
<i>Richibucto.</i>			
J. W. Doherty.....	12 months salary as Physician .....	200 00	
Eliza E. Rhodes.....	12 do Matron .....	150 00	
J. W. Doherty .....	Freight on drugs .....	2 26	
Eliza E. Rhodes .....	Boarding seamen, blankets .....	103 35	
Chas. A. Nevins.....	Drugs and medicines .....	80 29	
H. B. Forbes.....	25 yards tick .....	5 50	
			541 40
<i>Sackville.</i>			
Isaac Crocker .....	12 months salary as Keeper .....	150 00	
H. S. Trueman .....	12 do Physician .....	100 00	
Isaac Crocker .....	Boarding seamen.....	122 56	
H. S. Trueman .....	Balance salary from 1st November, 1886, to 30th June, 1886.....	\$29 16	
do .....	Passage of seamen to St. John.....	5 09	
			34 16
A. Dixons .....	Drugs and medicines .....	8 80	
Thos. A. Kinnear.....	Blankets .....	7 50	
John Ford.....	Paint, oil and lumber.....	78 22	
			501 24
<i>St. Andrews.</i>			
S. T. Gove .....	12 months salary as Physician .....	150 00	
Ellen McCurdy .....	12 do Matron .....	208 00	
S. T. Gove .....	Boarding seamen, \$32; halyard and postage, \$3.26 .....	35 25	
Ellen McCurdy .....	Cordwood and cutting, labour .....	35 24	
R. Ross .....	14,940 lbs coal, \$39.22; cartage, \$2.20 .....	41 42	
			469 91
<i>Shediac.</i>			
J. A. Leger.....	12 months salary as Keeper .....		200 00
			<u>8,596 37</u>
<b>SHIPWRECKED AND DISTRESSED SEAMEN.</b>			
Driscoll Bros.....	15 days subsistence of seamen from Vernard Haven to St. John.....	1 80	
	Carried forward.....	1 80	

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF NEW BRUNSWICK—*Concluded.*

		\$ cts.	\$ cts.
	Brought forward .....	1 80	
SHIPWRECKED AND DISTRESSED SEAMEN— <i>Con.</i>			
Chas. A. Black .....	Medical attendance of seamen .....	3 50	
Wm. Prescott .....	Board, medical attendance and passage of seamen to Hospital .....	22 00	
G. A. Heatherington.....	Medicine and attendance .....	20 00	
J. W. Ingersoll .....	Passage of seamen schr. "Nisbet" from Gannet Rock to Windsor.....	60 00	
Str. "Dominion" .....	Passage of seamen from Boston to St. John .....	18 00	
Fred. Pheasant .....	Passage of 2 seamen from St John to Annapolis "Rosella B.".....	\$1 00	
do .....	Passage of 4 seamen "Live Yankee" to Digby .....	6 00	
T. Youngclaus .....	Clothing for seamen.....	10 00	
Daniel Bridges.....	Boarding seamen schr. "Rosella B.".....	48 05	
G. H. Thomas .....	Boarding 3 seamen do .....	4 00	
Chas. Devine.....	Boarding 3 seamen do .....	10 00	
Mary McCoy .....	Boarding seamen do .....	11 00	
Scammell Bros.....	Passage of 5 seamen from schr. "Orient" from Barbadoes to St. John .....	6 75	
do .....	Immigration tax on seamen at Boston ....	\$39 60	
		3 00	
		42 60	
R. K. Blauvett.....	Passage 7 seamen of the "Antwerp" from Boston to St. John.....	\$31 50	
do .....	Passage of seamen from Boston to St. John .....	5 78	
		37 28	
D. W. Smith .....	Passage of 5 seamen schr. "W. C. Warner" from Boston to St. John .....	15 00	
E. Gaskill .....	Passage of 3 seamen "Live Yankee" to St. John...	6 75	
R. C. Elkin .....	Passage of seamen and expenses.....	18 20	
John A. Ingersoll.....	do schr. "Live Yankee" to St. John .....	2 25	
E. C. Elkin.....	do "Frank L." from Boston to St. John .....	5 78	
Jas. S. May .....	Clothing for seamen schr. "Water Lily" .....	42 50	
John Manning .....	Passage and expenses of 5 wrecked seamen of the schr. "Water Lily" to St. John .....	51 25	
Geo. Philips .....	Railroad tickets.....	23 17	
Jas. J. Brown .....	Passage of seamen from Chatham to St. John .....	7 00	
F. E. W. Pouliot.....	Medical attendance on seamen Buctouche.....	49 25	
W. G. Disbrow .....	Medicine and medical attendance .....	66 50	
Samuel Ferguson .....	Refund of travelling expenses .....	4 50	
Pacificque Leger.....	Boarding seamen schr. "Daddy".....	12 00	
Samuel Raynard.....	Passage of seamen from Boston.....	30 00	
E. B. Chandler.....	Medicine and medical attendance .....	6 80	
R. Limond .....	do .....	10 00	
			645 89

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF PRINCE EDWARD ISLAND.

		\$ cts	\$ cts.
<b>MARINE HOSPITALS.</b>			
<i>Charlottetown Hospital.</i>			
The Grey Nuns .....	12 months allowance for medical attendance .....	400 00	
do .....	Boarding 22 sick seamen, 78½, at \$5 .....	380 36	
			780 36
<i>Summerside.</i>			
Dr. H. F. Jervis .....	12 months salary .....	150 00	
J. A. Gourlie .....	Medicine .....	7 63	
C. McElwin .....	Board .....	9 85	
			167 48
<i>Rustico.</i>			
Dr. J. Gallant.....	Medical attendance.....		146 50
<i>Souris.</i>			
J. G. McDonald .....	Board.....	3 00	
M. McLean & Co .....	Stores .....	2 52	
			5 52
<i>Crapaud.</i>			
Dr. J. A. Covey .....	Medical attendance .....	32 30	
B. Murphy .....	Board .....	12 50	
			44 80
<i>Georgetown.</i>			
Dr. Kaye .....	Medical attendance .....	12 35	
A. Glour .....	Board .....	16 00	
			28 35
<i>Tignish.</i>			
Dr. J. H. McLellan.....	Medical attendance.....	17 00	
S. F. Arsenault .....	Board .....	4 50	
J. Gaudet .....	Horse hire .....	2 00	
			23 50
			1,196 51
<b>SHIPWRECKED AND DISTRESSED SEAMEN.</b>			
Carvel Bros .....	Passage seaman to Boston .....	9 50	
D. D. Ryan.....	do Halifax .....	2 10	
			11 60

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF BRITISH COLUMBIA.

MARINE HOSPITALS.		\$ cts.	\$ cts.
Thomas Wood .....	12 months salary as Keeper, Victoria.....	499 98	
do .....	Keep of patients, 191 weeks, at \$5 per week, Victoria.....	955 00	
do .....	7 months washing, Victoria.....	31 00	
do .....	7 do ferry, at \$4 per month, Victoria.....	28 00	
J. C. Davie, M.D....	18 do salary Medical Officer for Victoria .....	450 00	
D. L. Beckingsale, M.D.	15 do do Burrard Inlet.....	437 50	
D. Cluness, M.D.....	6 do do Nanaimo.....	200 00	
Mary Cluness.....	Administratrix to estate of the late D. Cluness, M.D., salary from 1st October to 20th December.....	88 14	
L. T. Davis, M.D.....	Salary Medical Officer for Nanaimo, from 20th December, 1886, to 30th June, 1887 .....	242 21	
Donald Smith .....	Secretary Nanaimo Hospital, attendance and board of 14 sick seamen at Nanaimo, 63 weeks and 6 days, at \$10 per week.....	652 63	
A. & W. Wilson.....	Repairing range, force pump, hot water, suction, and pipe leading from cistern, 12½ days labour, at \$5, material, etc.....	148 56	
C. Roper.....	Reshingling Hospital.....	137 00	
do .....	do Veranda, repairing fences, water tank, etc.....	105 15	
Langley & Co .....	Drugs, etc.....	78 47	
B. Dunsmuir & Sons .....	16 tons coal, at \$4.50 .....	72 00	
H. C. Wiffen .....	5 cords of wood, at \$4 75 .....	23 75	
Clark & Nicholson.....	Stove with piping complete.....	22 30	
Geo. Stelly.....	10 loads of water, at \$1.50.....	15 00	
J. Kinsman.....	Repairing cooking range, drains, etc.....	14 12	
W. McDowell.....	Drayage on 15 tons of coal.....	11 25	
Peoples Steamboat Co ...	Passage of sick seamen from Nanaimo.....	9 75	
E. & N. Railway .....	Fare of 3 do do at \$3 each... ..	9 00	
Ah Ham (Chinaman) ....	Cutting and splitting 5 cords of wood .....	8 75	
J. Gosnell.....	Soap, brooms, etc.....	7 50	
S. L. Kelly & Sons .....	Coal scuttle, saucepan, etc.....	6 63	
A. J. Rowbotham & Co..	Soap, brooms, etc.....	6 00	
McQuade Sons .....	10 galls. coal oil, at 37½ cents.....	3 75	
E. B. Marvin.....	Boiled oil, shovel, etc.....	2 10	
J. C. Smith.....	Sweeping 3 chimneys.....	3 00	
J. O'Brien.....	Conveying sick seamen from Hospital to wharf, Nanaimo.....	2 00	
R. J. Styles .....	Taking 2 sick seamen from railway to Hospital.....	2 00	
J. M. Gates .....	India rubber stamp.....	2 00	
T. Shotbolt.....	2 wash leathers .....	2 00	
			4,275 54



STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Concluded.*

RECAPITULATION.

		\$	cts.	\$	cts.
Ontario .....	Kingston Hospital—Annual Grant .....			500	00
Quebec .....	Montreal General Hospital .....	1,403	10		
do .....	do Notre-Dame Hospital .....	846	00		
do .....	Sick and Disabled Seamen .....	1,756	42		
do .....	Shipwrecked and Distressed Seamen.....	354	62		
do .....	Marine and Immigrant Hospital.....	19,706	96		
				24,067	10
Board of Trade, London.	To re-imburse Imperial Government for expenditure in behalf of wrecked Canadian Seamen.....			2,146	32
Nova Scotia .....	Marine Hospitals and Sick Seamen .....	9,872	77		
do .....	Shipwrecked and Distressed do .....	970	94		
				10,843	71
New Brunswick.....	Marine Hospitals and Sick do .....	8,596	37		
do .....	Shipwrecked and Distressed do .....	645	89		
				9,242	26
Prince Edward Island....	Marine Hospitals and Sick do .....	1,196	51		
do .....	Shipwrecked and Distressed do .....	11	60		
				1,208	11
British Columbia .....	Marine Hospitals and Sick do .....			4,275	54
	REFUNDS.			52,283	04
H. W. Johnston.....	Portion of Dr. Harel's salary .....			20	83
				52,262	21

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No. 19

To the Twentieth Annual Report of the Department of Marine, being  
Statement of Expenditure on account of Registry of Canadian Shipping,  
for the Fiscal Year ended 30th June, 1887.

		\$ cts	\$ cts.
Smith, Davis & Co.....	Inland Lloyds register of hulls. ....	25 00	
American Shipmasters Association .....	1 copy of "American and Foreign Shipping" .....	15 00	
T. H. Sime .....	Bureau Veritas, £6.6s. ....	30 66	
W. E. Derinzy .....	Services as extra clerk, 10 days, at \$1.10.....	11 00	
Queen's Printer .....	Printing and stationery .....		81 66
			152 87
	REFUND.		234 53
W. H. Parsons & Co.....	Duty paid in error on books .....		1 40
			233 13

**WM. SMITH,**  
*Deputy Minister of Marine.*

**F. GOURDEAU,**  
*Accountant.*

## APPENDIX No. 20

To the Twentieth Annual Report of the Department of Marine, being  
Statement of Expenditure on account of Removal of Obstructions in  
Navigable Rivers, for the Fiscal Year ended 30th June, 1887.

		\$ cts.	\$ cts.
"L'Administration" .....	Advertising for tenders to remove SS. "Ottawa" ..	2 73	
"La Presse" .....	do do ..	3 10	
Pierre Fradette .....	On account contract removal of do ..	3,000 00	
John Sheridan .....	Removing mast of sunken SS. "Finchley" .....	120 00	
do .....	do wreck of schr. "Julia Wood" .....	200 00	
S. T. Martin .....	do do str. "Dominion" .....	715 00	
J. McAuley & R McKay..	do obstructions at mouth of Grand River...	150 00	
			4,190 83

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No. 21

To the Twentieth Annual Report of the Department of Marine, being Statement of Sick Mariners' Dues collected, for the Fiscal Year ended 30th June, 1887.

<i>Quebec.</i>	\$ cts.	<i>Nova Scotia—Concluded.</i>	\$ cts.
Gaspé.....	90 30	Brought forward .....	809 59
Magdalen Islands .....	20 60	Baddeck .....	66 76
Montreal .....	3,150 80	Barrington .....	41 16
New Carlisle .....	281 58	Bridgetown .....	1 50
Percé .....	89 48	Cornwallis .....	32 60
Quebec .....	8,041 64	Digby .....	131 82
Rimouski .....	256 86	Guysboro' .....	77 94
St. Armand .....	1 98	Halifax .....	6,538 74
St. Johns .....	1,181 28	Liverpool .....	130 80
Sorel .....	33 12	Lockeport .....	119 68
Stanstead .....	32 36	Londonderry .....	66 70
Three Rivers .....	487 20	Lunenburg .....	321 84
<b>Total .....</b>	<b>13,667 20</b>	Margaretsville .....	8 64
<i>New Brunswick.</i>		North Sydney .....	1,695 38
Bathurst .....	463 52	Parrsboro' .....	1,049 00
Campo Bello .....	9 19	Pictou .....	388 16
Caraquet .....	10 82	Port Hawkesbury .....	29 48
Chatham .....	865 96	Port Medway .....	28 16
Dalhousie .....	477 76	Shelburne .....	34 54
Dorchester .....	33 06	Sydney .....	3,079 74
Hillsboro' .....	251 92	Weymouth .....	161 24
Moncton .....	276 08	Windsor .....	926 18
Newcastle .....	527 98	Yarmouth .....	270 62
Richibucto .....	362 14	<b>Total .....</b>	<b>16,010 27</b>
Sackville .....	277 88	<i>British Columbia.</i>	
Shippegan .....	8 48	Nanaimo .....	2,467 58
St. Andrews .....	82 16	New Westminster .....	568 90
St. John .....	4,492 56	Victoria .....	814 84
St. Stephens .....	46 76	<b>Total .....</b>	<b>3,851 32</b>
<b>Total .....</b>	<b>8,176 27</b>	<i>Prince Edward Island.</i>	
<i>Nova Scotia.</i>		Charlottetown .....	526 00
Amherst .....	463 25	Summerside .....	103 86
Annapolis .....	188 80	<b>Total .....</b>	<b>629 86</b>
Antigonish .....	20 18		
Arichat .....	137 36		
Carried forward .....	809 59		

## RECAPITULATION.

Quebec .....	\$13,667 20
New Brunswick .....	8,176 27
Nova Scotia .....	16,010 27
British Columbia .....	3,851 32
Prince Edward Island .....	629 86
<b>Total .....</b>	<b>\$42,334 92</b>

F. GOURDEAU,  
Accountant.

WM. SMITH,  
Deputy Minister of Marine.

## APPENDIX No. 22

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Rewards for Saving Life, Purchase of Lifeboats, etc., for the Fiscal Year ended 30th June, 1887.

			\$	cts.	\$	cts.
L. Spafford .....	12 months salary to 30th June, 1886, Poplar Point.		75	00		
W. Ward .....	do to 1st May, 1886, Toronto.....		75	00		
H. McCullough .....	do to 30th June, 1886, Wellington....		75	00		
D. Rooney .....	do to 1st May, 1887, Cobourg.....		75	00		
W. Babb .....	do to 1st Oct., 1886, Goderich.....		75	00		
P. Doherty .....	8 do 1st Oct., 1895, to 30th Nov., 1886, Collingwood .....		87	50		
A. Pollock .....	14½ do 1st Oct., 1895, to 16th Dec., 1886 at \$75 per annum, Port Stanley .....	\$ 90 73				
	Less—3 months' ab- sent from duty.....	18 75				
			71	98		
Jas. Fitzgerald .....	3 do acting captain, Port Stanley .....		18	75		
Wm. Woodward.....	8 do to 31st Aug., 1886, Port Rowan ..		43	75		
do .....	Pay-list for drills—Port Powan .....		84	00		
L. Spafford .....	do Poplar Point .....		147	00		
H. McCullough .....	do Wellington .....		147	00		
W. Babb .....	do Goderich .....		147	00		
D. Rooney.....	do Cobourg .....		147	00		
P. Doherty .....	do Collingwood.....		178	50		
W. Ward .....	do Toronto .....		147	00		
A. Pollock .....	do Port Stanley .....		176	39		
J. W. McCully.....	do Port Rowan .....		42	00		
John Leslie.....	Watches, binocular glasses, etc. ....		1,131	73		
J. J. Bongard .....	Rent of boat house to 31st Dec., 1886, Poplar Point		36	00		
J. S. McCuaig .....	Building boat house, Poplar Point.....		339	21		
R. Hadden .....	Nails, white lead, etc. do .....		25	20		
G. B. Jones.....	Rollers, glass, nails do .....		78	29		
The Rathbun Co.....	Lumber do .....		214	19		
Moxon & Barker .....	Winch and tram-car do .....		27	46		
J. W. Fegan .....	Work at boat house do .....		20	00		
W. H. Noble.....	Paid laborers' wages do .....		36	50		
L. Spafford .....	Timber do .....		33	00		
W. H. Noble.....	Travelling expenses do .....		32	85		
George Steward .....	Repairs to boat house, Port Rowan. ....		34	88		
Queen's Dry Dock and Shipyard .....	7 months rent of boat house, Collingwood ... ..		10	50		
D. McCormick.....	Freight on lifeboat, Pelee Island .....		51	00		
"Gazette" Printing House .....	Advertising for tenders for boat houses. ....		2	64		
Goderich "Star" .....	do do do .....		3	30		
Essex "Review" .....	do do do .....		3	30		
"Planet" Steam Print- ing House .....	do do do .....		2	70		
"Enterprise Messenger"	do do do .....		3	30		
"L'Courrier" d'Essex...	do do do .....		3	30		
M. Clarion .....	do do do .....		3	30		
George Cox .....	Engraving watches, etc.....		88	92		
D. Rooney.....	Searching for two boys .....		6	00		
J. Lavis .....	do do .....		6	00		
J. Slammon .....	do do .....		6	00		
D. Rooney, jr.....	do do .....		6	00		
James Duffy.....	do do .....		6	00		
Thomas Hart .....	do do .....		6	00		
Wm. Oroake .....	do do .....		6	00		
W. S. Ives.....	Rescuing crew ex "Annie M. Cann" .....		80	50		
	Carried forward.....		4,116	94		

STATEMENT of Expenditure on account of Rewards for Saving Life, etc.—*Con.*

		\$	cts.	\$	cts.
Brought forward .....		4,116	94		
John Jordan .....	Gratuity for saving some 150 lives.....	100	00		
O. H. Rungvist .....	Services rendered bark "Ohili" .....	20	00		
D. Rooney .....	Expenses moving boat house, Cobourg .....	111	06		
H. McCullough .....	Caulking boat, repairs, etc., Wellington .....	54	55		
H. Green & Co. ....	Paints, nails, brooms etc. do .....	9	65		
H. G. Ostrander .....	Hauling lifeboat do .....	6	00		
Moxon & Barker .....	Winch, Wellington .....	12	50		
David Fleming .....	In full of contract building boat house, Collingwood .....	447	00		
The Rathbun Co. ....	Lumber, Wellington .....	24	60		
G. B. Jones .....	White lead, putty, etc., Wellington .....	10	54		
W. H. Noble .....	Travelling expenses do .....	22	50		
Charles Pontine .....	Caulking boat, Goderich .....	10	00		
John Corbett .....	On account, travelling expenses .....	70	00		
D. Burlingham .....	Rescuing crew, ex "Ida Walker" .....	2	00		
H. McCullough .....	do ex "Montezuma" & "Ida Walker" .....	15	00		
Howard Grant .....	do do .....	10	00		
Charles Jeffery .....	do do .....	10	00		
C. O. Burns .....	do do .....	10	00		
The Rathbun Co. ....	Construction of 2 piers, Poplar Point. ....	107	44		
A. Ostrander .....	Drawing material do .....	1	00		
P. F. Hicks .....	Charges on lumber do .....	1	00		
W. McCullough .....	Rescuing crew ex "Butler" .....	10	00		
E. B. Bedett .....	do do .....	10	00		
R. C. Reynolds .....	do do .....	10	00		
W. W. Leavens .....	do do .....	10	00		
L. Brown .....	do do .....	10	00		
H. L. Curtlett .....	do do .....	10	00		
B. Palen .....	do do .....	10	00		
Ed. Clery .....	do do .....	10	00		
Henry Brady .....	do ex "Embla" .....	15	00		
F. Parkinson .....	do do .....	15	00		
P. Townsend .....	do do .....	15	00		
Wm. Percival .....	do do .....	15	00		
L. Forsbury .....	do do .....	15	00		
Wm. Lewis .....	do do .....	15	00		
Charles Rock .....	do do .....	15	00		
H. Helgisen .....	do do .....	15	00		
Jos. Arnoldson .....	do ex "Hants County" .....	15	00		
Chas. Brown .....	do do .....	15	00		
N. Nelson .....	do do .....	15	00		
John Johnson .....	do do .....	15	00		
Capt. Jas. Côte .....	For rescuing F. Pelliteer .....	10	00		
T. Roy .....	do .....	8	00		
E. Bernier .....	do .....	8	00		
C. Blanchet .....	do .....	8	00		
A. Miville .....	do .....	8	00		
T. Pelletier .....	do .....	8	00		
Owner brig. "Screamer" .....	Rescuing crew ex schr. "Orient" .....	54	00		
B. Connors .....	do ex "C. Graham" .....	10	00		
M. Duggan .....	do do .....	10	00		
M. McGrath .....	do do .....	10	00		
Wm. McGrath .....	do do .....	10	00		
Wm. Forban .....	do do .....	10	00		
James Scott .....	do do .....	10	00		
W. P. Anderson .....	Inspecting boat at Collingwood and Toronto .....	8	65		
D. A. McLaren .....	Amount contract building boat house at Goderich .....	500	00		
D. F. Williams .....	2 life-boats, at \$575 each .....	1,150	00		
E. Rooney .....	Rendering assistance to schr. "Pandora" .....	3	00		
John McMan .....	do do .....	3	00		
James Duffy .....	do do .....	3	00		
James Hart .....	do do .....	3	00		
Chas. Lavis .....	do do .....	3	00		
Wm. Connors .....	do do .....	3	00		
Thos Hart .....	do do .....	3	00		
John Lavis .....	do do .....	3	00		
Acct. Board of Trade .....	Expenses 3 seamen ex "Salerno" .....	29	20		
Carried forward .....		7,306	63		

**STATEMENT of Expenditure on account of Rewards for Saving Life, etc.—*Con***

		\$	cts.	\$	cts.
Brought forward .....		7,306	63		
Acct. Board of Trade.....	Paid for repairs to watch.....		4 26		
do .....	Paid for services of 2 seamen of the "Deerhound," for services rendered crew of "Ermina" .....	38	93		
do .....	Paid for services rendered by captain and 1st officer of "Ryland" to crew of "Cornwallis" .....	58	40		
Wm. Babb .....	Rescuing 1 man ex "E. W. Rathbun" .....	5	00		
N. McIver.....	do do .....	3	00		
John McKay.....	do do .....	3	00		
D. McLeod.....	do do .....	3	00		
John McLean.....	do do .....	3	00		
				7,425	22
REFUND.					
		Sale of binocular glasses to Fisheries Department. ....			61 28
				7,363	94

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No. 23

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Signal Service, for the Fiscal Year, ended 30th June, 1887.

		\$	cts.	\$	cts.
H. J. McHugh .....	12 months salary as Inspector.....	\$915	50		
do .....	6 do superannuation tax.....		9 50		
do .....	Travelling expenses .....		925 00		
E. Giroux et Frère .....	Olive oil .....		25 50		
"Morning Chronicle" .....	2 years subscription to 1st April, 1886 .....		2 75		
S. J. Shaw & Co.....	Patent cotton rope .....		12 00		
A. J. Maxham .....	2 settees .....		63 60		
John McWilliams .....	Grading flag mast .....		7 07		
John Ashworth.....	Postage .....		9 48		
Bell Telephone Co.....	Rent 1 year to 1st July, 1887. ....		26 06		
J. R. Cameron .....	Oil can and wicks .....		43 00		
A. Mills .....	Code lists 1885-86 .....		1 70		
J. Sullivan .....	Labour.....		3 00		
T. S. Adams .....	Dominion Ensigns and Commercial Codes .....		9 00		
W. H. Thorne & Co. ....	Rope .....		174 41		
Great N.W. Telegraph Co	Telegrams .....		9 24		
James Wilson .....	12 months salary to 31st March, 1887, Partridge Island .....		2,047 03		
A. Christie .....	Putting in winter sashes, St. John .....		100 00		
H. C. Seelye .....	Reconstruction of line to Swallow Tail Lt .....		14 92		
S. Lesage .....	Repairs to road between Metis and Gaspé .....		48 87		
Spottiswoode & Co.....	Supplements, lists, codes, etc .....		300 00		
John Corry .....	Services at Cape Race .....		31 39		
Canadian Express Co ...	Freight code books .....		50 00		
Canadian Pacific Tel. Co	Telegrams .....		3 66		
J. E. LeBourdais .....	Allowance for reporting for 1886, L'Islet.....		37 99		
A. Richard .....	do Brandy Pots .....		50 00		
L. T. Puize .....	do Rivière du Loup.....		50 00		
J. McWilliams.....	do Father Point.....		50 00		
J. Martin .....	do Little Metis. ....		50 00		
P. Desjardins .....	do Matane .....		50 00		
T. Côté .....	do Cape Chatte .....		50 00		
J. Gauthier .....	do Martin River .....		50 00		
F. Sasseville .....	do Cape Magdalen.....		50 00		
J. Ascah .....	do Fame Point.....		50 00		
J. Beck .....	do Cape Despair.....		50 00		
A. Bertrand .....	do Point Macquereau .....		50 00		
D. Tremblay.....	do Portneuf .....		50 00		
L. F. Fafford .....	do Point Traverse.....		50 00		
H. Phillips .....	do Cape Rosier .....		50 00		
J. G. Peters .....	do Low Point.....		50 00		
J. J. Brown .....	do 15th May to 15th November, 1886.....		18 00		
H. J. McHugh .....	Paid for telegrams, etc .....		279 92		
Queen's Printer.....	Printing .....				5,043 59
					38 58
					5,082 17

WM. SMITH,  
Deputy Minister of Marine.

F. GOURDEAU,  
Accountant.



## APPENDIX No. 24

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Steamboat Inspection, for Fiscal Year ended 30th June, 1887.

			\$	cts.	\$	cts.
Samuel Risley.....	12 months salary as Chairman of Board.	\$1,764 00				
do .....	do superannuation tax.....	36 00				
			1,800	00		
W. J. Meneilley.....	do salary as Deputy Chairman of Board, Toronto.....	\$1,274 00				
do .....	do superannuation tax .....	26 00				
			1,300	00		
John Burgess.....	do salary as Inspector, Montreal	\$1,176 00				
do .....	do superannuation tax.....	24 00				
			1,200	00		
Joseph Samson.....	do salary as Inspector, Quebec..	\$1,176 00				
do .....	do superannuation tax .....	24 00				
			1,200	00		
C. R. Coker.....	do salary as Inspector, St. John.	\$1,176 00				
do .....	do superannuation tax .....	24 00				
			1,200	00		
Thos. Harbottle.....	do salary as Inspector, Toronto..	\$1,176 00				
do .....	do superannuation tax .....	24 00				
			1,200	00		
D. Stevens.....	do salary as Inspector, Halifax..	\$1,176 00				
do .....	do superannuation tax .....	24 00				
			1,200	00		
Edward Adams .....	do salary as Inspector, Kingston.	\$1,029 00				
do .....	do superannuation tax.....	21 00				
			1,050	00		
E. R. Abell.....	do salary as Inspector, Selkirk, Manitoba .....	\$980 00				
do .....	do superannuation tax .....	20 00				
			1,000	00		
O. P. St. John.....	do salary as Inspector, Toronto..	\$980 00				
do .....	do superannuation tax.....	20 00				
			1,000	00		
P. D. Brunelle.....	do salary as Inspector, Quebec..	\$980 00				
do .....	do superannuation tax.....	20 00				
			1,000	00		
James Dick.....	do salary as Inspector, Toronto..	\$784 00				
do .....	do superannuation tax.....	16 00				
			800	00		
W. A. Russell.....	6½ do salary as Inspector, British Columbia.....	\$639 13				
do .....	do superannuation tax.....	13 00				
			652	13		
D. C. Nicholas.....	5 do salary as Acting Inspector, British Columbia .....					
			552	00		
Mary Vigor.....	Salary of late E. S. Vigor, for May, 1886, British Columbia .....					
			98	00		
R. Collister.....	Inspecting 49 hulls, at \$10, each.....					
			490	00		
Samuel Risley.....	Travelling and incidental expenses .....					
			787	18		
W. J. Meneilley.....	do .....					
			396	61		
John Burgess.....	do .....					
			262	28		
Joseph Samson.....	do .....					
			183	48		
C. R. Coker.....	do .....					
			295	89		
Thomas Harbottle.....	do .....					
			463	82		
Douglas Stevens.....	do .....					
			497	78		
Edward Adams.....	do .....					
			326	23		
	Carried forward.....		18,955	40		

STATEMENT of Expenditure on account of Steamboat Inspection—*Con.*

		\$ cts.	\$ cts.
	Brought forward.....	18,955 40	
E. R. Abell.....	Travelling and incidental expenses .....	217 93	
O. P. St. John.....	do do .....	407 14	
P. D. Brunelle.....	do do .....	267 28	
James Dick.....	do do .....	479 80	
W. A. Russell.....	do do .....	543 18	
D. C. Nicholas.....	do do .....	186 40	
George Cox.....	Engraving.....	80 00	
Montreal Water Works...	Water rates, 1 year to 1st May, 1887.....	12 00	
T. F. Moore.....	9.5 tons coal, at \$5.....	48 72	
P. M. Galarneau.....	Rent of office, to 1st May, 1887.....	200 00	
Victoria "Colonist".....	6 months subscription.....	6 50	
Smith & Clark.....	Making desk.....	4 20	
D. W. Higgins.....	Printing letter heads.....	4 00	
T. N. Hibben & Co.....	Stationery.....	14 12	
Jacob Sehl.....	Repairing chair.....	3 50	
"Herald" Printing Co..	Advertising notices to mariners.....	1 25	
Queen's Printer.....	Printing, etc.....		21,411 42
			1,426 38
			<b>22,837 80</b>
	Inspection dues collected by Customs Department..	11,630 20	
	Fees for examination of Engineers collected by Chairman of Board, and paid to credit of Receiver-General.....	1,071 00	
			<b>12,701 20</b>

WM. SMITH,

*Deputy Minister of Marine.*

F GOURDEAU,

*Accountant.*

## APPENDIX No. 25

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Survey of Georgian Bay, for the Fiscal Year ended 30th June, 1887.

		\$ cts.	\$ cts.
Comdr J.G. Boulton, R.N.	12 months salary, in charge of Survey.....	3,654 38	
W. J. Stewart .....	do to 31st May, 1887, as Assistant....	908 33	
D. C. Campbell.....	do do 1887, as 2nd Assist..	654 20	
Capt. A. M. McGregor ...	do do 1887, as Master of Str. "Bayfield"...	954 08	
John Nesbit .....	do do 1887, as 1st Engineer	800 04	
Wm. Liater .....	do do 1887, as 2nd do ...	480 00	
Commander J.G. Boulton	Paid wages of crew of Str. "Bayfield" .....	3,309 90	
do .....	do bonus to crew for good conduct .....	210 00	
do .....	do for board, washing, travelling expenses, freight, telegrams, etc .....	463 85	
Capt. A. M. McGregor...	Travelling expenses .....	63 40	
W. J. Stewart .....	do .....	17 85	
Wm. Smith .....	do .....	17 25	
A. Duncan .....	Boarding crew .....	86 49	
G. C. Brignell .....	Meat .....	540 55	
Redfern & Lapan .....	Glass, oil, varnish .....	567 92	
H. Robinson & Co .....	Carpets, etc.....	64 37	
R. P. Butchart.....	Sheet rubber, oil, valves, etc .....	375 34	
A. J. Ureighton .....	Mirrors, mattresses, etc.....	94 75	
Owen Sound Dry Dock Co	Repairs to Str. "Bayfield" .....	4,748 94	
G. Corbett & Sons.....	Fitting up engines .....	493 78	
W. F. Wolfe.....	Oilcloth, etc .....	56 53	
J. McLaughlan & Son .....	Groceries, butter, flour, etc.....	1,250 21	
E. S. Ritchie .....	Compass.....	32 00	
W. Brown & Co. ....	136 tons coal, at \$6.30, \$861.85; 3-758 tons, at \$6.50, \$21.86; wood, \$1.80 .....	885 21	
J. P. Donaldson & Co.....	Hose, oil, etc .....	33 69	
J. & C. Noble .....	Tea, sugar, bread, freight, etc .....	128 16	
Patten & Maltas.....	Brooms, eggs.....	20 82	
Wm. Griffiths.....	Beef and ice.....	28 55	
W. B. Stephens .....	Crockery ware, globe, valve, etc.....	2 40	
Wm. Watson .....	9 days board .....	4 50	
Elliot Bros .....	Sextant, binocular glass, etc.....	71 06	
John McNeil .....	Washing .....	5 08	
Wm. Watson .....	6 days carpenter's work .....	8 00	
Parker & Co.....	½ dozen grenades.....	4 50	
John Black & Co .....	Chronometer .....	146 00	
R. H. Cogswell .....	Freight on chronometer .....	23 13	
McLeod Stewart .....	6 months rent of office, to 30th April, 1887 .....	72 00	
Bishop & Paulin .....	White lead, turpentine .....	10 40	
Maitland & Rixon .....	Storage.....	11 70	
Parker & Evans .....	300 lbs. fluid boiler compound.....	30 00	
Wm. Marlton.....	Boat .....	155 00	
J. H. Jackman.....	Wood, lumber, freight .....	10 72	
Queen's Printer .....	Printing, etc .....		21,495 07
			138 80
	REFUND .....		21,633 87
J. G. Boulton.....	Cost coal used in towing American tug off rocks...	17 00	
J. McLaughlan & Sons...	Payment for goods taken back .....	24 32	
			41 32
			21,592 55

F. GOURDEAU,  
Accountant.

WM. SMITH,  
Deputy Minister of Marine.

## APPENDIX No. 26

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure and Receipts on account of Water Police, Quebec, and Harbour Police, Montreal, for the Fiscal Year ended 30th June, 1887.

		<i>Montreal.</i>		\$	cts.	\$	cts.
H. St. A. Ormond	12 months salary as Agent of Department	\$1,372	00				
do	do superannuation tax	28	00				
				1,400	00		
George Murphy	do salary as Chief of Police	\$1,073	10				
do	do superannuation tax	21	90				
				1,095	00		
H. St. A. Ormond	do wages of Constables			10,787	68		
do	Pay list for good conduct, 3 men, 642 days, at 15c. each, \$96.30; and 21 men, 5,965 days, at 25c., \$1,491.25			1,587	55		
do	Paid for Chief's clothing			64	50		
do	Paid cleaning station, cab hire, coal, telegrams, freight, P.O. box, etc			382	78		
The "Herald"	Subscription to 31st December, 1886			14	50		
The "Gazette"	do			24	00		
L. C. Barney	Paint, oils, etc			27	05		
T. F. Moore	18 1/2 tons coal, at \$5.40			97	44		
P. M. Galarneau	Rent of station to 1st May, 1887			400	00		
Montreal Water Works	Water rates, 1 year to 1st May, 1887			24	10		
E. Chanteloup	12 dozens buttons			9	00		
P. O'Donoghue	40 patent leather belts			70	00		
James Shearer	Lumber			100	27		
P. Donnelly	Window blinds			30	00		
Brault Bros	Blouses, buckskin trousers, etc			403	20		
Lorge et Cie	Hats			37	80		
Gault Bros	Ribbon			6	84		
D. Lepage	Trousers			72	00		
C. Charon	Boots			282	75		
Goodyear's Rubber Co	Coats			160	00		
"Gazette" Printing Co	Printing on hat bands			3	00		
James Walker & Co	Hardware			69	58		
do	do			24	41		
Kenneth, Campbell & Co	Carbolic acid			4	05		
Bell Telephone Co	12 months rent to 1st October, 1887			83	00		
G. S. Gagnier	Wall paper, papering, etc			23	64		
Imperial Oil Co	44 1/2 gallons oil, at 21 cts			9	40		
"Gazette" Printing Co	Advertising for tenders for clothing			2	50		
"The Star"	do			2	50		
"Le Monde"	do			2	50		
"The Shareholder"	do			2	50		
"La Minerve"	do			2	50		
R. Watson	Examining and reporting on material for clothing			7	00		
H. Birks & Co	Clock			7	26		
J. L. Cassidy & Co	Gas globes			3	90		
James Power	Expenses owing to call from Quebec during riot			9	00		
L. Blouin	do do			9	00		
N. Guilmet	do do			9	00		
J. Fortin	do do			9	00		
J. Lebrun	do do			9	00		
J. Lebel	do do			9	00		
Queen's Printer	Printing, etc					17,378	12
						35	55
						17,413	47

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

		Quebec.	\$ cts	\$ cts.
Benj. Trudel.....	12 months salary as Chief of Police and Shipping Master.....	\$1,470 00		
do .....	12 months superannuation tax .....	30 00		
			1,500 00	
John Giblin .....	do salary as Deputy Shipping Master .....	\$980 00		
do .....	do superannuation tax .....	20 00		
			1,000 00	
J. U. Gregory .....	Pay list wages of men .....		10,071 25	
do .....	do gratuity.....		1,856 00	
Renfrew & Co .....	Hats and caps.....		101 15	
E. Chanteloup.....	Buttons .....		48 00	
J. Cunningham.....	Shirts .....		36 00	
Foley & Co.....	Suits.....		1,248 38	
J. Hamel et Frères.....	Cloth .....		838 04	
Dolan & Co .....	Gold lace and badges.....		68 84	
B. Trudel.....	Uniform .....		50 00	
do .....	Boots .....		111 00	
A. P. Caron, et Cie. ....	Cotton for shirts .....		82 43	
Queen's Wharf .....	Rent .....		200 00	
B. Trudel .....	Cartage and telegrams .....		37 03	
St. Lawrence Steam Navigation Co	Towing pontoon.....		20 00	
L. A. Blanchet .....	Petty expenses .....		21 05	
P. Waite .....	Washing towels .....		3 00	
J. Marmen .....	Cartage.....		28 90	
Richelieu Co .....	Passage of men .....		7 50	
J. J. Foote .....	Subscription to "Chronicle" .....		12 00	
Bell Telephone Co .....	Rent .....		40 00	
J. McCann.....	Cartage.....		3 00	
T. Berrigan .....	Carting snow .....		92 00	
A. G. Tourangeau .....	Rent of P. O. box.....		4 00	
"Gazette" Printing Co..	Subscription, 2 years .....		12 00	
A. B. Cherrier .....	Directory .....		5 00	
Hy. Black .....	Figure head and sheaves .....		13 00	
G. Bédanger .....	Repairing engines .....		47 00	
T. Routier .....	Blacksmith and carpenters repairs .....		293 20	
G. T. Phillips.....	Brass and coppersmith repairs .....		215 74	
Hy. Quin .....	Outfitting engine.....		59 00	
J. Cunningham.....	Life preservers and fenders.....		793 75	
P. Waite .....	Repairs and caulking .....		15 00	
Bisset Bros .....	Propeller and repairs.....		106 82	
Jno. Roche .....	Wintering pontoon.....		55 62	
L. Fitz Henry .....	Repairing pump .....		2 00	
L. Guérard .....	Chairs .....		10 50	
F. Gunn .....	150 tons coal, at \$3 .....		450 00	
do .....	do \$4.50 .....		675 00	
do .....	Rope .....		21 15	
A. Grant .....	Provisions, brooms, chimneys .....		104 07	
C. Dionne .....	51½ galls. seal oil, at 80 cts .....		41 20	
J. P. Déry .....	Ink and mucilage.....		5 25	
T. Delaney .....	Ice .....		4 00	
M. Dunn.....	Sops and tallow .....		89 79	
Dawson & Co.....	Books .....		17 19	
Drum Cabinet Manufacturing Co	Boat hooks, etc.....		10 50	
J. Alexander .....	Spars .....		13 80	
Audet et Robitaille .....	Rope, canvas, etc .....		195 80	
Bisset Bros .....	Bearings and shaft .....		67 80	
Beaudet et Chinic.....	Paint, oils, brushes .....		209 94	
A. Boucher.....	Towage .....		4 00	
Bell Telephone Co .....	Rent .....		40 00	
T. Berrigan.....	Cartage.....		363 50	
J. Bédard .....	Boxes, cans, etc .....		36 65	
	Carried forward .....		21,457 84	

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

		\$	cts.	\$	cts.
Brought forward .....		21,457	64		
M. Couturier.....	Soap.....	11	70		
J. H. Clint .....	Lumber .....	50	31		
J. Cunningham.....	Pay list repairs.....	387	50		
W. Hunt & Son.....	Corkwood .....	8	64		
J. F. Hossack.....	Lamps and chimneys .....	7	20		
J. Lemieux .....	Locks and keys.....	4	00		
P. Pouliot.....	Boat.....	200	00		
S. Peters .....	Lumber .....	80	51		
O. L. Richardson .	Leather .....	7	90		
R. Russell.....	Battons .....	45	00		
S. J. Shaw & Co.....	Paints, files, chisels, etc.....	504	84		
A. E. Vallerand .....	Chimneys, wicks and lamps.....	79	00		
L. Villeneuve.....	Potash.....	8	00		
A. B. Cherrier.....	Directories.....	10	00		
		22,862	24		
Queen's Printer.....	Stationery, etc .....	79	41		
<b>REFUND.</b>					
J. U. Gregory .....	Amount overpaid for boots.....				6 00
					22,935 65
<i>Summary.</i>					
Total Expenditure, Montreal .....		17,413	47		
do Quebec .....		22,935	65		
					40,349 12
Receipts at Port of Montreal.....		10,450	98		
do Quebec .....		12,483	48		
					22,934 48
Excess of Expenditure over Receipts.....					17,414 66

WM. SMITH,  
*Deputy Minister of Marine.*

F. GOURDEAU,  
*Accountant.*

## APPENDIX No 27

To the Twentieth Annual Report of the Department of Marine, being Statement of Expenditure on account of Winter Communication with Prince Edward Island, for Fiscal Year ended 30th June, 1887.

		\$ cts.	\$ cts.
M. P. McElhinney.....	Pay list wages for January and February, 1887.....	1,908 17	
do .....	Paid for painting boats, expenses, etc .....	204 00	
A. Lord .....	Pay list wages, 1st March, to 23rd April, 1887.....	2,629 28	
Thomas Allan.....	Conveyance of mails .....	427 50	
T. C. Murray .....	Billing mails, commission on tickets.....	55 00	
J. B. Allan .....	do do .....	39 00	
A. R. Gordon .....	Travelling expenses .....	75 00	
Ritchie & Sons .....	Compass .....	26 97	
T. L. Chappelle .....	Expressage, stationery, etc.....	3 05	
J. Gaffney .....	Painting boats .....	30 00	
S. W. Crabbe .....	Solder, paint, oil.....	141 50	
Pritchard & Mingard.....	2 model daters .....	10 00	
R. Campbell.....	Labour and material at repairs .....	57 33	
A. Strang.....	do boarding men, etc.....	25 50	
do .....	Conveyance of mails .....	330 61	
Peake Bros. & Co. ....	Copper nails, coal, iron, etc.....	43 88	
D. Stewart.....	Biscuits.....	6 72	
Anglo American Tele- graph Co. ....	Telegrams.....	34 79	
E. Muttart .....	Repairing boats.....	76 00	
J. J. Barry .....	Gratuity for services performed on Steamer "Neptune" .....	50 00	
Wm. Dillon.....	Material and packing 2 sails .....	13 00	
P. Deagan.....	5 cords wood.....	12 50	
M. Walsh.....	Fog-horns, stovepipe, etc .....	18 50	
Jas. Howatt.....	Blacksmith's repairs .....	7 71	
do .....	Conveyance of mails .....	49 98	
Examiner Publishing Co.	Printing pay sheets .....	2 50	
Queen's Printer.....	Printing .....		8,278 49
			34 44
			6,312 93

F. GOURDEAU,  
*Accountant.*

WM. SMITH,  
*Deputy Minister of Marine.*

## APPENDIX No. 28

## TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REPORT OF PROGRESS OF GEORGIAN BAY SURVEY DURING THE SEASON OF 1887.

OTTAWA, 3rd November, 1887.

The Honourable

The Minister of Marine and Fisheries.

SIR,—I have the honour to report that the winter of 1886–87 was fully occupied in drawing for the engraver a chart of that portion of the north-east shore of Georgian Bay comprised between Byng Inlet and Collins' Inlet, also especial plans of French River and Clapperton Channel.

Sailing directions to accompany these charts were written and printed as a supplement to the "Georgian Bay Pilot."

While fitting out the vessel at Owen Sound in the past spring, I erected beacons outside the harbour by which masters of vessels can, if they choose, obtain the errors of their compasses on the eight principal points, the particulars of which were conveyed to the Department in my letter of the 9th of May.

On the 10th of the same month I left Owen Sound with a party of twenty-nine officers and men, arriving at Spanish River on the 12th, where I disembarked my first assistant with his boat's crew—the vessel being too small to accommodate the whole party—and they remained under canvas until the end of September in various camps between Spanish River and Algoma Mills, sketching in the coast and sounding that shore.

Between the 13th and 28th of May I was working in the vicinity of Byng Inlet, on the north-east shore of Georgian Bay, completing the work which the persistently bad weather had compelled me to relinquish in the previous autumn. The completion of the survey of this portion of the coast was much retarded by ice and fogs.

The remainder of the season was employed in extending the survey westward from Clapperton Island, in obedience to your instructions. The district surveyed embraces all that portion of the north channel of Lake Huron lying between the above mentioned island and Meldrum Point, near Mississauga Straits, including Mudge Bay, which the survey has shown to be one of the best anchorages in the world, there being space and depth enough to accommodate the whole British fleet.

In the course of the survey several shoals not shown on the old chart have been discovered, while at the same time broad stretches of deep water have been found to exist, which, together with the development of several good harbours on the south shore, will, when the Canadian Government has completed the excavation at Little Current, and the United States that at Hay Lake near Sault Ste. Marie, encourage its adoption as the great highway between the south-eastern ports of Georgian Bay and Lake Superior. The continuous windy weather, alternated by smoke, during the months of September and October, will necessitate the first fortnight of next spring to be spent in the same locality before the chart is ready for transmission to the hydrographer for engraving.

The number of lineal nautical miles sounded in three open boats was 1,600; while the steamer did 1,280. The number of miles of coast line surveyed was 417.

The longitude of the western portion of the work was connected with the accurately determined position of Point Detour lighthouse by the United States Government.



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During the unusually hot season Mr. Stewart and his camp party were for a few days prostrated by sickness, which might have resulted in a greater delay to the work had it not been that a medical man was close by.

On the 26th ultimo the vessel returned to Owen Sound.

I would respectfully request to be informed, at as early a date as convenient, on what portion of Georgian Bay or North Channel of Lake Huron you wish the work to be carried on next summer.

I have the honour to be, Sir,

Your most obedient servant,

J. G. BOULTON,

*Staff Commissioner, R. N., and Admiralty Surveyor.*

## APPENDIX No. 29

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REPORT ON THE MARINE AND IMMIGRANT HOSPITAL AT QUEBEC, FOR THE FISCAL YEAR ENDED 30TH JUNE, 1887.

## MARINE HOSPITAL,

QUEBEC, 14th August, 1887.

The Honourable

The Minister of Marine and Fisheries.

SIR,—The trustees of the Marine and Immigrant Hospital have the honour to submit the following Annual Report:—

The expenses incurred for the maintenance of the hospital during the fiscal year ending the 30th June, 1887, amounted to \$19,141.79. Of this sum \$17,054 was a charge on the Dominion Government, the balance, namely, \$2,087.67, was met as follows:—

Grant of the Province of Quebec .....	\$1,866 67
Rent of Beach Lots Nos. 1 and 2.....	120 00
Board of patients for year ending 31st December, 1886. ....	99 00
Sale of ashes.....	<del>200</del> 2 00
	\$2,087 67

The report of the resident physician on the admissions, discharges and deaths which have taken place in the hospital during the year can be summed up as follows:—

Number of patients remaining in the hospital on the 30th June, 1886.....	41
Number of admissions.....	507
	548
Number of discharges.....	489
Number of deaths.....	25
Number of patients remaining in hospital on the 30th June, 1887.....	34
	548
Total number of days' attendance in hospital.....	13,088
Average " " " .....	24
Rate per cent. of mortality.....	4.0

The trustees have again this year availed themselves of the opportunity offered them by the reduced number of admissions to complete the changes they had contemplated in the furnishing and bedding of the hospital. They accordingly purchased twenty-five iron bedsteads with spring beds and mattresses and a proportionate number of sheets, blankets and quilts. Notwithstanding all these purchases and a

large amount of indispensable articles of *lingerie*, the trustees, thanks to a wise economy, have been able to reduce, by more than \$800, the expenses of the hospital for this year as compared with the amount expended last year.

All of which is respectfully submitted.

P. WELLS, M.D.,  
*Secretary.*

RETURN OF PATIENTS TREATED IN THE QUEBEC MARINE AND IMMIGRANT HOSPITAL  
DURING THE YEAR ENDING 30TH JUNE, 1887.

1. Remaining in hospital 1st July, 1886—	
Seamen.....	9
Immigrants.....	7
Residents.....	25
2. Admitted from 1st July, 1886, to 30th June, 1887—	
Seamen.....	176
Immigrants.....	47
Residents.....	284
3. Total treated during the year—	
Seamen.....	185
Immigrants.....	54
Residents.....	309
4. Discharged—	
Seamen.....	157
Immigrants.....	52
Residents.....	280
5. Died—	
Seamen.....	8
Immigrants.....	1
Residents.....	16
6. Remaining 30th June, 1887—	
Seamen.....	20
Immigrants.....	1
Residents.....	13
7. Number of days in hospital—	
Seamen.....	3,249
Immigrants.....	967
Residents.....	<u>8,872</u>

L. CATELLIER, M.D.,  
*Resident Physician, M. & I. Hospital.*

## APPENDIX No. 30

To the Twentieth Annual Report of the Department of Marine, being Statement of Revenue derived from Harbours and Piers paid to the credit of the Receiver-General, for the Fiscal Year ended 30th June, 1887.

Name of Pier.	Province.	Amount.
		\$ cts.
St. John's.....	Quebec.....	58 00
Sorel.....	do.....	66 50
Kingsville.....	Ontario.....	463 29
Morpeth.....	do.....	9 43
Goderich.....	do.....	2,502 50
Cow Bay.....	Nova Scotia.....	1,858 07
Maitland.....	do.....	25 38
Canard.....	do.....	13 23
Port Maitland.....	do.....	43 89
Hantsport.....	do.....	20 30
Chatham.....	New Brunswick.....	29 50
Meteghan.....	do.....	144 26
Vernon River.....	Prince Edward Island.....	169 29
Bay View.....	do.....	55 00
Georgetown.....	do.....	173 35
Montague.....	do.....	239 27
Pownall.....	do.....	105 67
Sturgeon River.....	do.....	36 68
Newport.....	do.....	33 84
Pinette.....	do.....	13 38
Annandale.....	do.....	178 77
Murray Harbour.....	do.....	16 00
Kier's Shore.....	do.....	81 27
Belfast.....	do.....	96 50
Victoria Pier.....	do.....	1 00
China Point.....	do.....	37 50
Clifton.....	do.....	7 00
Picket Wharf.....	do.....	79 86
St. Mary's Bay.....	do.....	61 43
Brush Wharf.....	do.....	255 36
Cardigan Bridge.....	do.....	95 25
		6,985 77

F. GOURDEAU,  
*Accountant.*

WM. SMITH,  
*Deputy Minister of Marine.*

## APPENDIX No 31

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE BEING REPORT OF THE DECAYED PILOT FUND OF QUEBEC FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

QUEBEC, 31st December, 1887.

SIR,—I have the honour to forward herewith a statement of the receipts and expenditure of the Decayed Pilot Fund of Quebec for the year ended 31st December, 1887.

The total receipts of the Corporation of Pilots for the present season of navigation amount to.....	\$119,123 39
And the total expenditure to ... ..	21,458 45
	<hr/>
Leaving a net balance of.....	\$ 97,664 94
	<hr/>
To be distributed between 158 practising pilots, giving each a net dividend of.....	\$ 618 13
	<hr/>
One hundred and fifty-two foreign vessels paid.....	\$ 18,803 59
	<hr/>
And 770 British vessels paid.....	\$110,319 80
	<hr/>

I have the honour to be, Sir,

Your most obedient servant,

F. X. DION,  
*Secretary-Treasurer.*

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

**STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots,  
for the Decayed Pilot Fund of Quebec, during the Year 1887.**

	\$ cts.	\$ cts.
<b>RECEIPTS.</b>		
To Balance of 1887 .....	1,796 15	
Percentag on contribution of pilots .....	8,481 89	
Interest on investments .....	3,073 00	
Interest—Savings Bank .....	40 20	
		<u>13,394 24</u>
<b>EXPENDITURE.</b>		
By Pensions .....	11,104 73	
Relief .....	56 00	
Salaries .....	500 00	
Deposit in Savings Bank .....	1,600 00	
Balance on hand .....	133 51	
		<u>13,394 24</u>
<b>PILOTS RELIEVED BY THE FUND.</b>		
<i>One Pilot.</i>		
Frédéric Boufford .....		56 00
<b>PENSIONERS AT THE EXPENSE OF THE FUND.</b>		
AMOUNT PAID TO EACH DURING THE YEAR, FROM THE 1ST NOVEMBER, 1886, TO THE 1ST NOVEMBER, 1887.—PAID FROM THE 31ST DECEMBER, 1886, TO THE 31ST DECEMBER, 1887.		
<i>Eighteen Pilots at \$110.</i>		
Paul Blouin .....	110 00	
Frédéric Bernier .....	110 00	
Laurent Tremblay .....	110 00	
Dominique Girard .....	110 00	
François Vézina .....	110 00	
François Jos. Pouliot .....	110 00	
Yves Sylvestre .....	110 00	
Thomas Després .....	110 00	
Marcel LeBel .....	110 00	
Pierre Pepin dit Lachance .....	110 00	
Chas. Bernier, died 19th January, 1887 .....	24 13	
Hilaire Jouvin .....	110 00	
Chas. Dumas, superannuated 15th September, 1887 .....	8 50	
Joseph Pepin .....	110 00	
Louis Laprise, died 21st December, 1886 .....	15 25	
Louis Dugal, arrears .....	27 50	
do for the year .....	110 00	
Chas. Nolet, superannuated 17th October, 1887 .....	4 88	
Paul Langlois, superannuated 1st December, 1886 .....	100 83	
		<u>1,610 79</u>
<i>Ten Pilots at \$101.</i>		
Maurice Pepin .....	101 00	
F. X. Lachance .....	101 00	
François Thivierge .....	101 00	
Isaïe Marticotte .....	101 00	
Joseph Morency .....	101 00	
Prudent Narmen, died 15th March, 1887 .....	37 87	
Edouard Labrègue .....	101 00	
Narcisse Forgues .....	101 00	
Jean Coulombe .....	101 00	
Dominique Verrault .....	101 00	
		<u>946 87</u>
Carried forward .....		

**STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots  
for the Decayed Pilot Fund of Quebec, etc.—Continued.**

	\$ cts.	\$ cts.
Brought forward .....		
<b>PENSIONERS AT THE EXPENSE OF THE FUND—Continued.</b>		
<i>Seven Pilots at \$91.</i>		
Amable St. Laurent .....	92 00	
Edouard Demers .....	92 00	
J. Bte. Paquet (on account) .....	46 00	
Clovis Antil .....	92 00	
Abraham Després .....	92 00	
Alexis Vézina .....	92 00	
L. Olivier Leclerc .....	92 00	
		588 00
<i>Four Pilots at \$80.</i>		
Jean Lavoie, died 11th December, 1886 .....	19 75	
Pierre Gourdeau .....	90 00	
Josepe Lavoie .....	90 00	
Ovide Dick, superannuated 24th September, 1887 .....	17 12	
		216 87
<i>Four Pilots at \$88.</i>		
F. X. Corriveau .....	88 00	
Joseph Lapointe .....	88 00	
François Pelletier .....	88 00	
Antoine Roussel .....	88 00	
		352 00
<i>Two Pilots at \$86.</i>		
Alexis Roy .....	86 00	
Célestin St. Pierre .....	86 00	
		172 00
<i>Three Pilots at \$82.</i>		
Siméon Plante .....	82 00	
F. X. Ménard .....	82 00	
Michel Vézina (arrears) .....	41 00	
do (on account) .....	61 50	
		266 50
<i>Five Pilots at \$79.</i>		
Pierre Charest .....	79 00	
François Oôté .....	79 00	
Léandre Raymond .....	79 00	
Paul Pouliot .....	79 00	
J. Léon Roy .....	79 00	
		395 00
<i>One Pilot at \$47.</i>		
James Forbes (arrears) .....	11 75	
do for the year .....	47 00	
		58 75
<b>WIDOWS OF PILOTS.</b>		
<i>Sixteen Widows at \$68.</i>		
Widow of Jacques Tremblay (on account) .....	51 00	
do Charles Brown .....	68 00	
do J. Ste. Dion .....	68 00	
do Charles Chouinard .....	68 00	
Carried forward .....		

STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—Continued.

	\$ cts.	\$ cts.
Brought forward.....		
<b>PENSIONERS AT THE EXPENSE OF THE FUND—Continued.</b>		
<b>WIDOWS OF PILOTS—Continued.</b>		
<i>Sixteen Widows at \$68—Concluded.</i>		
Widow of L. Jos. Lavoie.....	68 00	
do Chas. Pouliot.....	68 00	
do Maxime Caron (on account).....	51 00	
do Edouard Petitgrew.....	68 00	
do Alexis Pelletier.....	68 00	
do Edouard Antil, died 26th March, 1887.....	27 38	
do Alex. Vaillancourt.....	68 00	
do Edouard Marcoux.....	68 00	
do Alexis Delisle.....	68 00	
do J. Bte. Bourget, died 20th March, 1887.....	33 23	
do Chas. Bernier, superannuated 19th January, 1887.....	53 26	
do Louis Laprise, superannuated 21st December, 1886.....	58 55	
		954 42
<i>Fifteen Widows at \$64.</i>		
Widow of Pierre Ruelland.....	64 00	
do Paul Larochele.....	64 00	
do Jean Gobeil.....	64 00	
do Joseph Raymond.....	64 00	
do Jean François Lamarre.....	64 00	
do Robert Demers.....	64 00	
do Pierre Laprise.....	64 00	
do Michel Morin.....	64 00	
do F. X. Delisle.....	64 00	
do Barth. Lachance.....	64 00	
do Hubert Dumas.....	64 00	
do Cyprien Langlois.....	64 00	
do J. Bte. Turgeon, died 20th December, 1888.....	8 88	
do Michel Guénard, superannuated 7th November, 1886.....	62 84	
do Jean Lavoie, superannuated 11th December, 1886.....	57 06	
		896 88
<i>Thirteen Widows at \$62.</i>		
Widow of C. J. Adam.....	62 00	
do Michel Fournier.....	62 00	
do Gabriel Plante.....	62 00	
do Pesehal Dick.....	62 00	
do Nicholas Fortier.....	62 00	
do Pierre Gourdeau (A.F.).....	62 00	
do J. E. Adam.....	62 00	
do Marcel Côté.....	62 00	
do Bénonie Normand.....	62 00	
do Damase Babin.....	62 00	
do J. M. Plante.....	62 00	
do Amable Genest (on account).....	46 50	
do François Rioux.....	15 50	
do do for the year.....	46 50	
		790 50
<i>Sixteen Widows at \$60.</i>		
Widow of Félix Caron.....	60 00	
do David Cinq-Mars.....	60 00	
do Jean Giroux.....	60 00	
do Pierre Gourdeau (A.N.).....	60 00	
do Joseph Dussil.....	60 00	
do Jean Marcoux.....	60 00	
Carried forward.....		



**STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots  
for the Decayed Pilot Fund of Quebec, etc.—Continued.**

	\$ cts.	\$ cts.
Brought forward.....		
<b>PENSIONERS AT THE EXPENSE OF THE FUND—Continued.</b>		
<b>WIDOWS OF PILOTS—Continued.</b>		
<i>Sixteen Widows at \$60—Concluded.</i>		
Widow of Thomas Connell.....	60 00	
do J. Bte. Patoine.....	60 00	
do Pierre Curodeau.....	60 00	
do J. Bte. Tremblay.....	60 00	
do Magloire Mercier.....	60 00	
do Louis Crépault.....	60 00	
do François Nadeau.....	60 00	
do Antoine Boucher.....	60 00	
do Edouard Vaillancourt.....	60 00	
do Vital Charest (on account).....	45 00	
		945 00
<i>Sixteen Widows at \$58.</i>		
Widow of Edouard Chevalier.....	58 00	
do Thomas Dick.....	58 00	
do Denis Glynn.....	58 00	
do Wm. Irvine.....	58 00	
do Fabien Langelier.....	58 00	
do Julien Langlois.....	58 00	
do J. Bte. Laroche.....	58 00	
do A. Lavoie (L.M.).....	58 00	
do Henri Lavoie.....	58 00	
do Firmin Lévesque (arrears).....	14 50	
do do (on account).....	43 50	
do Henri Noël.....	58 00	
do Frédéric Simpson.....	58 00	
do Joseph Simpson.....	58 00	
do Pierre Ross.....	58 00	
do J. Bte. Caron.....	58 00	
do Amable Fournier (on account).....	14 50	
		884 50
<i>Fifteen Widows at \$56.</i>		
Widow of L. Asselin (M.L.).....	56 00	
do Grégoire Bernier.....	56 00	
do Germain Caron.....	56 00	
do Jean Dion.....	56 00	
do Jean Pelletier.....	56 00	
do O. F. Kœing.....	56 00	
do Ovide Lachance.....	56 00	
do L. Langlois (S.D.).....	56 00	
do Antoine Michaud (arrears).....	28 00	
do do (on account).....	28 00	
do Pierre Normand.....	56 00	
do David Petitgrew.....	56 00	
do Benj. Pineau.....	56 00	
do John Simpson.....	56 00	
do Joseph Lévesque (on account).....	14 00	
do Pierre S. Laprise, superannuated 27th July, 1887.....	14 77	
		756 77
<i>Seven Widows at \$48.</i>		
Widow of Paul Blouin.....	48 00	
do François Boissinot, died 3rd April, 1887.....	20 40	
do Océstin Côté.....	48 00	
do P. Desrosiers.....	48 00	
Carried forward.....		

STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—Continued.

	\$	cts.	\$	cts.
Brought forward.....				
<b>PENSIONERS AT THE EXPENSE OF THE FUND—Concluded.</b>				
<i>WIDOWS OF PILOTS—Concluded.</i>				
<i>Seven Widows at \$48—Concluded.</i>				
Widow of F. X. Lachance.....	48	00		
do Abraham Royer.....	48	00		
do Edouard Turgeon.....	48	00		
			308	40
<i>Seven Widows at \$40.</i>				
Widow of André Keable.....	40	00		
do Jacques Dandurand.....	40	00		
do Guil. Morency.....	40	00		
do Magloire Rioux.....	40	00		
do Pierre Rouleau.....	40	00		
do J. B. Servant.....	40	00		
do Henri Perreault.....	40	00		
			280	00
<i>Thirteen Widows at \$38.</i>				
Widow of Fabien Caron.....	38	00		
do Magloire Côté.....	38	00		
do R. Côté <i>alias</i> Urbain (arrears).....	9	50		
do do (on account).....	28	50		
do Antoine Fortier.....	38	00		
do L. Langlois (arrears).....	9	50		
do do (for the year).....	38	00		
do Pierre Michaud.....	38	00		
do Thomas McNeil.....	38	00		
do Antoine Raymond.....	38	00		
do George Simard.....	38	00		
do Louis Thivierge.....	38	00		
do Alfred Turgeon.....	38	00		
do Alexis Vézina, superannuated 6th August, 1887.....	8	97		
			436	47
<b>SIXTEEN CHILDREN OF PILOTS.</b>				
David Charest (infirm).....	1	11 25		
Hilaire Couillard (arrears).....	1	7 50		
do (for the year).....	1	15 00		
D. (Gervais) Charest died 21th April, 1887,.....	1	12 10		
do (arrears).....		3 75		
Neil Asselin (arrears).....	2	6 88		
do (on account).....	2	19 14		
Wm. Petitgrew (infirm).....	2	27 50		
Thomas Boutin do.....	1	15 00		
Pierre Toussaint do.....	1	15 00		
F. Dupuis do.....	1	15 00		
N. Fortin do (arrears).....	1	15 00		
do do (on account).....	1	7 50		
Jos. Jahan do.....	1	15 00		
E. Pineau do (arrears).....	1	15 00		
Issac Forbes do.....	2	27 48		
Edouard Rousseau, reached his 15th year, 16th July, 1887, 1.....		6 91		
			235	01
<b>RECAPITULATION OF PENSIONS.</b>				
18 Pilots, at \$110.....	1,610	79		
10 do 101.....	946	87		
28..... Carried forward.....			11,104	73

**STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots  
for the Decayed Pilot Fund of Quebec, etc.—Continued.**

	\$ cts.	\$ cts.
28 ..... Brought forward.....		
<b>RECAPITULATION OF PENSIONS—Concluded.</b>		
7 Pilots at \$ 92.....	598 00	
4 do 90.....	216 87	
4 do 88.....	352 00	
2 do 86.....	172 00	
3 do 82.....	266 50	
5 do 79.....	395 00	
1 do 47.....	58 75	
<b>54 Pilots.</b>		
16 Widows at \$68.....	954 42	
15 do 68.....	896 88	
13 do 62.....	790 50	
16 do 60.....	945 00	
16 do 58.....	884 50	
15 do 56.....	756 77	
7 do 48.....	308 40	
7 do 40.....	280 00	
13 do 38.....	436 47	
118 Widows.		
16 Children at \$15, \$12, \$10.....	235 01	
188 Pensioners.....	11,104 73	11,104 73
<b>CREDIT.</b>		
<b>RECEIPTS—DETAILS.</b>		
To Balance of 1886.....	1,796 15	
Syndics of the Quebec Roads: 1 year's interest on \$22,800, at 6 per cent., 1st July, 1887.....	1,368 00	
The City of Quebec: 1 year's interest on \$9,000, at per cent., on 1st July, 1887.....	630 00	
Treasury Department: 1 year's interest on \$20,000, at 5 per cent., on 1st July, 1887.....	1,000 00	
Estate of P. Boisseau: 1 year's interest on \$1,000, at 6 per cent., on 26th January, 1887.....	60 00	
The Corporation of Pilots: 1 year's interest on \$3,000, at 5 per cent.....	15 00	
The Savings Bank: Interest received on current account, to 25th May, 1887	40 20	
Receipts from the Corporation of Pilots.....	8,336 30	
do Captains, Pilots.....	149 59	
		13,394 24
<b>DEBIT.</b>		
<b>PENSIONS, RELIEF, &amp;C., PAID DURING THE SEASON OF 1887.</b>		
By Relief.....	56 00	
Arrears of Pensions to 31st December, 1886.....	167 88	
do do	15 25	
Amount of Pay-List of Pensions for quarter ended 31st January, 1887.....	2,835 21	
do do do 30th April, 1887.....	2,756 07	
do do do 31st July, 1887.....	2,686 89	
do do do 31st October, 1887.....	2,643 43	
Salaries of the Treasurer and Assistant.....	500 00	
Deposits in Savings Bank.....	1,600 00	
Balance on hand.....	133 51	
		13,394 24

**STATEMENT of Moneys Received and Disbursed by the Corporation of Pilots  
for the Decayed Pilot Fund of Quebec, etc.—*Concluded.***

STATEMENT OF FUND.		\$ cts.	\$ cts.
Moneys loaned.....		53,352 71	
Amount in Savings Bank.....		1,600 00	
do Secretary Treasurer's hands.....		133 51	
		55,086 22	
To deduct arrears of pensions due at this date.....		306 71	
			54,779 51

E. & O. E.

F. X. DION,

*Secretary Treasurer*

QUEBEC, 31st December, 1887.

We, the undersigned certify to having minutely examined the books and accounts of the Decayed Pilot Fund of Quebec and having found them correct.

JOSEPH G. DUPRÉ,  
NAZAIRE OURODEAU, } *Auditors.*  
THOMAS BOISSINOT, *Accountant.*

## APPENDIX No. 32

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REPORT OF THE METEOROLOGICAL SERVICE FOR THE CALENDAR YEAR, ENDED 31ST DECEMBER, 1887.

METEOROLOGICAL OFFICE,  
TORONTO, January, 1888.

The Honourable  
The Minister of Marine and Fisheries,  
Ottawa.

SIR,—I have the honour to submit herewith my annual report of the Meteorological Service for the calendar year 1887, being the seventeenth report on this service.

During the past year the following places were added to our list of stations :—

*Ontario.*

## Class II—

Wanstead.....A. E. Wark.  
Alton .....W. J. Dods.  
Charlinch.....C. J. Tisdall (from Class III.)  
Sombra. ....W. S. Howell.  
Ingersoll.....Rev. E. C. Saunders, B.D.

## Class III—

Warkworth.....T. W. Canlan.  
Norwich.....W. J. Stover.

*Nova Scotia.*

## Class II—

Antigonish .....C. E. Gregory.\*

*Manitoba.*

## Class II—

Elkhorn .....A. D. Joliffe.

*British Columbia.*

## Class II—

Clinton.....M. S. Wade, M. D.  
Kamloops.....E. H. Jones.  
Barkerville.....Hugh Watt, M.D.

*North-West Territories.*

## Class II—

Banff.....G. MacLeod.

\* Since handed over to the Principal, St. Francis Xavier College, Antigonishe.

The following stations ceased to observe for the reason stated against each :—

*Ontario.*

Class I—

Port Dover.....	Observer deceased.
Granton.....	} Observer ceased on account of old age.
Beeton.....	

*Quebec.*

Class II—

Danville..... Observer deceased.

*Labrador.*

Class I—

Fort Chimo..... Instruments out of order.

It is with much regret that I have to record the deaths of Mr. Henry Morgan, of Port Dover, Ont., who died 30th December, and Mr. C. J. Devey, of Danville, Que., who died 18th December. Both these gentlemen were connected with the Service from its inception and the latter gave his services gratuitously for a period of seventeen years, during which time he regularly furnished this office with meteorological returns.

I also regret to have to mention the closing of Granton Station, owing to the advanced age of our observer, Mr. James Grant, who, since April, 1873, has had charge of a station of the first class, which involved the taking of observations four times daily. My thanks are due to Mr. Grant for having so long continued this work without remuneration, and for having throughout forwarded reports carefully made out and exceptionally free from errors.

On the 15th December I received a letter from Mr. Alexander Marling, Secretary of the Education Department of the Province of Ontario, informing me that the allowance made to the High Schools under Grammar School Act, 16 Victoria, chapter 186, section 16, would be discontinued after the end of the year, and this was reported to the Department on the same day that the information was received.

The loss of observations from these stations will leave an important blank in the statistical information which has hitherto been collected by this office.

The work performed by the Bureau of Industries of the Province of Ontario, and by the Department of Agriculture of the Province of Manitoba remains in much the same condition as stated in my last report.

To the interest taken in the work by Mr. Blue of the Bureau of Industries of the Province of Ontario and by the Honourable The Minister of Agriculture of the Province of Manitoba, the Service is indebted for much assistance in obtaining such climatological statistics as effect the agricultural interests of the Dominion.

Respecting the stations along the line of the Canadian Pacific Railway; the frequent changes of the officials at these stations seriously militates against what otherwise would be a valuable collection of statistics: but notwithstanding this defect the observations from these stations are of considerable value, in regions where owing to sparse settlement it is difficult to obtain observers other than the station agents. Self registering thermometers have been supplied to some of these stations as also to several stations in Parry Sound and Muskoka Districts.

STORM SIGNAL SERVICE.

Nearly eleven hundred warnings of approaching storms have been issued during the year, and the number of verifications is particularly satisfactory, 972 having been verified out of 1,093 warnings issued, being 88.9 per cent, as shown by Table No. 1.

On the 21st and 22nd of October the severest storm of the fall prevailed throughout the Maritime Provinces, reaching almost to the force of a hurricane in the Gulf of St. Lawrence. The warning of the approach of this storm was given from this office several hours before its arrival, and the signals were up in good time.

A terrific gale swept over the Maritime Provinces on the 28th and 29th of December, which was also felt on the lakes and throughout Eastern Canada. It caused considerable damage to shipping, even in the harbours of St. John and Halifax. All stations at which navigation was open were warned at midnight on the 27th. The storm commenced on the following evening.

The heaviest storms on the lakes occurred on the 3rd and 22nd of October. Both storms were duly warned, but unfortunately the warning for the first of these storms was delayed in transmission; nevertheless, in some cases the warning was received in ample time, and in all cases from six to twelve hours before the storm became severe.

In addition to the force the predictions of the direction from which the winds were expected have been separately examined, with the following results:—

Out of 972 predictions of directions, when the force was as expected, 79.1 per cent. have been fully verified, and 93.2 per cent. fully or partly verified.

TABLE No. I.

The following table shows the total number of storm warnings issued, and the percentage verified:—

Year.	No. issued.	No. verified.	Percentage verified.
1877	743	510	68.6
1878	860	673	78.3
1879	712	591	83.0
1880	889	736	82.8
1881	854	727	85.1
1882	841	668	78.2
1883	1,085	868	79.1
1884	798	663	83.2
1885	830	741	89.3
1886	806	799	88.2
1887	1,093	972	88.9

#### PROBABILITY SERVICE.

Forecasts of the weather have been issued continuously during the year, and published in the newspapers in the Provinces for which predictions are issued, in addition to being posted at the telegraph offices.

Frequent demands have been made by Manitoba and the North-West Territories for weather probabilities, and I have repeatedly urged the necessity of giving these places the advantage of being kept informed of approaching changes in the weather.

The importance of having forecasts of alterations of temperature in these parts of the Dominion cannot be over-estimated, but it is impossible to supply anything like reliable information unless sufficient funds are appropriated for this service.

The weather signals carried on the railway cars for the benefit of the farming community have been regularly issued and duly appreciated, not only by those for whose benefit they are especially issued, but by the general public as well, and the thanks of the people are due to the several executive heads of the railway companies, whose hearty co-operation and prompt attention to irregularities, when reported, has been the means of perfecting this convenient mode of disseminating indications of

weather. The year 1887 has been no exception to the preceding years regarding the demand for special predictions. These enquiries come from all over the Dominion, and from persons engaged in all kinds of pursuits.

Request was made by leading citizens of Montreal to have the weather probabilities posted in numerous and conspicuous places there, and owing to the courteous assistance of Mr. H. P. Dwight, general manager of the Great North Western Telegraph Company, I have been enabled to respond to this request, though not to such an extent as I should wish, by having bulletins of the weather placed outside all the telegraph offices, and also hung up at the post office.

Some of the Montreal newspapers have also asked for and received special weather forecasts.

Letters have been received from some of those for whom special predictions have been made, expressing their thanks and referring to the value of the predictions, whilst others have shown their appreciation of them by applying again and again whenever they had special reason for desiring to know what the weather was to be.

The following is an extract from a letter of Mr. John Kennedy, Chief Engineer of the Harbour Commissioners of Montreal, and refers to a special prediction:—

“Many thanks for the information already supplied; your last prediction enabled me to start a tug and troublesome tow from Quebec yesterday with a feeling of safety, and this is an instance of the practical value of such information.”\*

I may quote also a letter from Mr. J. Gairdner, our storm signal agent at Bayfield, dated 29th December, 1887, referring to the ordinary daily predictions:—

“The fishermen of this place were greatly benefited by your weather bulletins these few weeks past. This is the first time they have tried the fishing so late in the season. They set their nets by the bulletins and have not lost one.”

Predictions of snow storms have also been issued for the use of the railway companies, and latterly forecasts of thaws have been asked for and given.

In previous reports attention has been called to the necessity which exists for establishing a telegraph station at Tobermory.

Appended is a table (N<sup>o</sup> 11) showing the number of predictions and percentage of fulfilment in each district in each month of the year, of the ordinary daily probabilities, which is very satisfactory.

\*This was concluding a letter asking for further forecasts of weather.



TABLE  
NUMBER of Predictions and Percentage of Fulfilment

MONTH.	LOWER LAKE REGION.					UPPER ST. LAWRENCE.					LOWER ST. LAWRENCE.							
	Number issued.	Verified.				Number issued.	Verified.				Number issued.	Verified.						
		Number fully	Number partly	Number not	Percentage fully		Percentage fully and partly	Number fully	Number partly	Number not		Percentage fully	Percentage fully and partly	Number fully	Number partly	Number not	Percentage fully	Percentage fully and partly
January .....	150	116	22	12	77.3	92.0	131	93	24	14	71.0	89.3	122	93	17	12	76.2	90.2
February .....	122	98	18	6	80.3	95.1	113	95	14	4	84.1	96.4	109	91	11	7	83.5	93.6
March .....	120	79	22	19	65.8	84.2	112	79	15	18	70.5	83.9	118	93	11	14	78.8	98.1
April .....	130	102	19	9	78.5	93.1	114	83	23	8	72.8	93.0	100	74	16	10	74.0	90.0
May .....	116	101	10	5	87.1	95.7	109	98	8	3	89.9	97.2	106	82	8	16	77.4	84.9
June .....	112	98	10	4	87.5	96.4	110	86	11	13	78.2	88.2	106	81	13	12	76.4	88.7
July .....	121	108	8	5	88.1	95.9	116	95	13	8	81.9	93.1	104	79	14	11	76.0	89.4
August .....	102	90	6	6	88.2	91.1	97	87	7	3	89.7	96.9	92	77	6	9	83.7	96.2
September .....	99	72	13	14	72.7	85.9	95	74	12	9	77.9	90.5	90	78	7	5	86.7	94.4
October .....	117	96	15	6	82.1	94.9	105	85	15	5	81.0	95.2	97	77	11	9	79.4	90.7
November .....	103	80	17	6	77.7	94.2	105	88	13	4	83.8	96.2	101	84	11	6	83.2	94.1
December .....	116	95	14	7	81.0	94.0	106	73	18	15	68.9	85.8	104	70	17	17	67.3	83.6
	1408	1135	174	99	80.6	93.0	1313	1036	173	104	78.9	92.1	1249	979	142	128	78.4	89.8

## II.

in each District, in each Month, and in the whole Year.

Number issued.	GULF.						MARITIME.						TOTAL.					
	Verified.						Verified.						Verified.					
	Number fully	Number partly	Number not	Percentage fully	Percentage fully and partly		Number issued.	Number fully	Number partly	Number not	Percentage fully	Percentage fully and partly		Number issued.	Number fully	Number partly	Number not	Percentage fully
122	89	16	17	73.0	86.1	134	89	24	21	66.4	84.3	659	480	103	76	72.8	88.5	
115	84	19	12	73.0	89.6	118	96	18	4	81.4	96.6	577	464	80	33	80.4	94.1	
115	82	15	18	71.3	84.3	123	90	15	18	73.2	85.4	588	423	78	87	71.9	85.2	
108	73	20	15	67.6	86.1	108	75	21	13	68.8	88.1	561	407	99	55	72.5	90.2	
105	83	17	5	79.0	95.2	104	83	13	8	79.8	92.3	540	447	56	37	82.8	93.1	
109	80	20	9	73.4	91.7	106	80	16	10	75.5	90.6	543	425	70	48	78.3	91.2	
105	79	17	9	75.2	91.4	111	92	15	4	82.9	96.4	557	453	67	37	81.3	93.4	
92	70	15	7	76.1	92.4	92	74	12	6	80.4	91.3	475	398	46	31	83.8	93.3	
90	68	16	6	75.6	93.3	86	72	8	6	83.7	93.0	460	364	56	40	79.1	91.3	
97	81	10	6	83.5	93.8	95	75	14	6	78.9	93.7	511	414	63	32	81.0	93.7	
99	80	11	8	80.8	91.9	104	89	8	7	85.6	93.3	512	421	60	31	82.2	93.9	
97	71	11	15	73.2	84.5	104	80	14	10	76.9	90.4	527	389	74	64	73.8	87.9	
1254	940	187	127	75.0	89.9	1286	995	178	113	77.4	91.2	6510	5085	854	571	78.1	91.2	

## TELEGRAPH SIGNAL SERVICE.

I have again to request the attention of the Minister of Marine and Fisheries to the desirability of establishing telegraph stations in British Columbia. Telegraph stations in that Province would render much assistance to this service. Additional stations will have also to be added if probabilities are to be issued for the Province of Manitoba, and for portions of the North-West Territory.

## CENTRAL OFFICE.

It is with regret that I have to report the death of Mr. Thomas Menzies, who departed this life on the 12th May. Mr. Menzies was the senior observer in the service, having been one of the original members of the staff of the Observatory when it was founded here by Lieut. Riddell, R.A., in the year 1840, and he continued on active duty until a few weeks before his death, having devoted nearly half a century of his life to this service, and having rendered material assistance to it, especially in its early existence, not only by his observations, but by his mechanical skill, in which he excelled.

His position was filled by order of the Minister of Marine and Fisheries, by his son Mr. William Menzies, who had previously been employed on the supernumerary staff for about thirteen years.

Lieut. Gordon, Deputy Superintendent, has been engaged entirely outside this service during the past year.

I cannot conclude my remarks under this head without again inviting the attention of the Honourable the Minister of Marine and Fisheries to the fact that my staff still remains outside the benefits of the Superannuation Act, and that they are, as far as I know, the only large governmental staff to which this privilege is denied.

I would recommend that the salaries of the staff be increased by yearly increments until a fixed maximum is reached, instead of the present method of granting an increase by special application, a most unsatisfactory plan, which does not in my opinion work well, and which has been abandoned by the Royal Society in England in paying the salaries of the staff of the Meteorological office in London, a system of yearly increases being substituted for that previously in vogue.

The members of my staff perform their duties with diligence, zeal and ability, and are entitled to every consideration at the hands of the Government.

## TIME SERVICE.

The method of performing this work, together with a table showing the discordances at the different Observatories, will be found in my report on the Magnetic Observatory.

The report on the St. John Observatory forms Appendix A.

The report on the Quebec Observatory forms Appendix B.

The report on the McGill College Observatory, Montreal, is attached herewith.

## CHIEF SIGNAL OFFICE, UNITED STATES ARMY.

I regret to have to mention another death, that of Major General William B. Hazen, Chief Signal Officer of the Army of the United States, who died on the 16th January at Washington, after having held the position of Chief Signal Officer for about six years.

I cannot pass over the death of my illustrious colleague without bearing tribute to his courteous consideration, on all occasions, of this service, and to his earnest zeal and ability in furthering the interests of science. He is succeeded in office by Brigadier General A. W. Greely, rendered famous as the commander of the late United States Polar Expedition. It was to succour this expedition that Her-

Majesty's Government fitted out the "Alert," since handed over to the Dominion Government, which vessel, under the command of Lieut. Gordon, was employed in the last two Hudson Bay expeditions.

Brigadier General A. W. Greely has, since his appointment, furnished this office, with all such reports as I have had occasion to ask for, and our thanks are due to him for his endeavours to prevent such changes as have been found necessary in the United States Signal Service from giving unnecessary annoyance or trouble in this office, in connection with the interchange of telegraphic reports.

#### VOLUNTEER OBSERVERS.

The service is much indebted to this class of observers, who, in the interest of their country and of science, devote their time gratuitously to this work. Many offers have been received from persons in all walks of life (including several members of the medical profession), to take meteorological observations in connection with this service, but owing to the limited amount that can be expended in the purchase of instruments, many of these volunteer offers had to be refused, and much useful information thus lost.

#### GREAT NORTH-WESTERN TELEGRAPH COMPANY.

The company has conducted the work in its usual efficient manner during the year, and the thanks of the service are due to the officers of the company, who have succeeded in making the work of this branch of the service so perfect.

#### PUBLICATIONS.

A review of the weather is published monthly, giving a general *résumé* of the weather, with tables of atmospheric pressure, temperature, precipitation and other meteorological data, received from our stations throughout the Dominion, and also an analysis of the results of the daily weather forecasts, and of the storm warnings. To it is each month appended an account of the changes which have taken place in the magnetic elements. About 800 copies of this review are distributed every month. An annual report of the Meteorological Service is also published, but it is to be regretted that it is several years behind, the report for the year 1884 is the last one published; that for 1885 being not yet out of the hands of the printers.

#### LIBRARY.

There are two libraries, one for the Meteorological Service and one for the Magnetic Observatory, as the two services are distinct and supported by separate grants of Parliament. The number of volumes comprising the Meteorological Library is 1,722 and the number in the Magnetic Observatory 762; total 2,484. This number appears to be small, but when it is taken into consideration that the works are nearly all on the same subject, namely, that of meteorology, the apparent paucity of numbers is accounted for.

These libraries have been formed almost entirely by donations and exchanges, as owing to lack of funds the purchase of books has been nearly *nil*, and much needed and valuable works that should have a place in the library, have had to be dispensed with.

New catalogues have been made out for ready reference, the volumes re-arranged and those needing it have been bound, and much care and attention has been given to the library work lately, which has occupied a not inconsiderable portion of the time of one of the staff.

#### INSPECTION OF STATIONS.

Forty-five meteorological and telegraph stations have been inspected during the

year by the inspectors of the Service, as follows:—By Inspector Payne, in the Maritime Provinces: Point du Chene, Dorchester, Sackville, Picton, New Glasgow, Point Hastings, Antigonish, Halifax, Yarmouth, Digby, St. John, Point Lepreaux, St. Andrews, Woodstock, Grand Falls, Parker's Ridge, Chatham and Bathurst.

By Inspector Stupart, in Ontario: Sudbury, Cartier, Heron Bay, Schreiber, Nepigon, Fort William, Kaministiquia, Dexter, Ignace, Whitemouth, Hawk Lake, Eagle River, Savanne, White River, Missinabie, Chaplin, Biscotasing, North Bay, Port Arthur, Rockcliffe; and in Manitoba, Winnipeg.

By Inspector Webber, in Ontario: Parry Sound, Bala, Sprucedale, Burk's Falls, Lynch Lake and Gravenhurst.

These form but a small number of the stations that should be visited. Stations of the first class should be inspected annually, and all stations biennially. Inspection is an absolute necessity to insure efficiency. The accuracy of the instruments at the various stations depends on comparison made by inspecting officers, who are provided with standards for that purpose. This applies more especially to instruments at telegraph stations, for if these are not verified from time to time, errors are likely to occur, which, at a critical time, may so mislead the officers making weather predictions as to seriously affect the public.

It is the duty of the inspecting officer also to instruct the observers in the performance of their work. Although each observer is supplied with a book of instructions, still there are many points that can best, perhaps, only be demonstrated practically.

If the instruments at stations were perfectly correct, and the various observers thoroughly conversant in their duties, a vast amount of labor would be saved in correspondence and in making corrections in the office records at the central office.

All of which is respectfully submitted.

CHARLES CARPMAEL,

*Director.*

## APPENDIX "A."

## REPORT ON THE ST. JOHN OBSERVATORY.

ST. JOHN OBSERVATORY, 31st December, 1887.

SIR,—I have the honour to submit my annual report for the year ending 31st December, 1887.

The meteorological work at this Observatory has been regularly attended to. Readings of the different instruments have been made and recorded as formerly, viz, 3:44, 7:36, 14:44, A.M.; 3:44, 7:44, 11:44 P.M., local time.

During the year the meteorological instruments and apparatus were inspected by Mr. Payne of the Toronto Observatory and comparisons made with the standard instruments.

Ship masters keeping a meteorological record have called at the Observatory to have their instruments compared and in every case have received careful attention.

The time service has received careful attention. Observations of the standard stars are made with the transit telescope for the determination of clock errors and rates. It being impossible to have the sidereal clock in transit room, observations are timed with the mean time chronometer, which is also used for giving the daily time signal to the shipping by dropping time ball at 1 p.m., local time. Comparisons are made with the mean time and sidereal clocks before and after observing. Daily comparisons are also made before dropping the time ball and from these comparisons the chronometer error is computed.

The storm signals when ordered up from Toronto have been promptly displayed at the Signal Station.

I have the honour to be, Sir,

Your obedient servant,

GEORGE HUTCHINSON,  
*Director.*

## APPENDIX "B."

## REPORT OF THE QUEBEC OBSERVATORY.

QUEBEC OBSERVATORY, Quebec, 5th January, 1888.

To the Superintendent  
Meteorological Office, Toronto.

SIR,—In accordance with your request, I have to report that the duties at this Observatory have continued as in the past, with a slight increase in the extent, not the nature of the duties themselves, in connection with the meteorological part of the service.

In other respects there has been no change, unless it be in an increasing accuracy in the "time service," a very important step in which direction might be attained by the adoption of the electric light as the time giving signal in the place of the present means in those situations where its adoption might not be attended with too large an expense.

I have the honour to be, Sir,

Your obedient servant,

W. A. ASHE,

Director.

### APPENDIX "C."

#### REPORT ON THE MCGILL COLLEGE OBSERVATORY, MONTREAL FOR THE YEAR ENDING 31st DECEMBER, 1887.

To The Honourable  
The Minister of Marine.  
Ottawa.

MONTREAL, 3rd January, 1888.

SIR,—I have the honour to present the report on this Observatory for the year now closed, being my fourteenth annual report.

*Meteorological Observations.*—The regular meteorological observations, as specified in my report for last year, have been carried forward without interruption. The results have been published in the *Montreal Gazette* and have also been distributed by private circulation among institutions and persons interested. A summary for the year is appended hereto. The instruments employed are those enumerated last year, and their exposure has not been changed in any way.

*Time Service.*—Complete sets of observations for the determination of clock errors were made on 121 nights, in the manner detailed in my report for 1884. During the season of navigation the time-ball for the use of shipping was dropped at noon of the 75th meridian. I have pleasure in reporting that since certain changes were made in the arrangement of the dropping mechanism last spring there has not been a single failure in dropping the ball. Time signals have also been distributed over the city and country in the manner described in former reports. Exchanges of clock signals with the Toronto Observatory have been made on twenty-four nights, during the year. After correcting for known errors and for personal equation, the average of the differences obtained between the mean time clocks of the two observatories is 0.24<sup>s</sup> and the greatest difference on any one night 0.53<sup>s</sup>. The result of the year's comparisons shows that the probable error of the time as given by one Observatory, at any time, as compared with that given by the other is 0.18<sup>s</sup>. The exchanges on ten nights were found to be favorable to the measurement of wave time, and give a mean result of 0.02<sup>s</sup> ± 0.002<sup>s</sup> for the distance between the two observatories, about 335 miles.

*Personal Equation.*—In connection with the investigation of personal equation, referred to in my report for last year, observations have been made by Mr. E. H. Hamilton and myself on 21 stars between the equator and N. 87°, and on 7 stars

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between N.  $93^{\circ}$  and N.  $103^{\circ}$ . A set of ten transits of each star was obtained, and two such sets were generally observed in an evening. All the work has been reduced, but the data thus collected are not sufficient to permit any statement of results.

*Solar Photography.*—Some fairly good photographs of the sun have been obtained, but on the completion of certain changes which are being made in the photoheliograph, and by employing slower plates than those hitherto used, much better results will be obtained. It has been decided to produce only four inch photographs, as that diameter is best suited to the objects in view.

*Soil Temperatures.*—Preparations have been in progress for some time and are now nearly completed, for a series of observations—to be made at this Observatory—on the temperature of the soil at various depths. The cost of the necessary apparatus and fittings has been met by a grant of \$200, made by the committee of the "Elizabeth Thompson Fund" to the Montreal Natural History Society, for the purpose of investigating soil temperatures at Montreal. It is proper to state that this fund was established by Mrs. Elizabeth Thompson, of Stamford, Connecticut, U.S.A., "for the advancement and prosecution of scientific research, in its broadest sense." Professor Penhallow, B. Sc., representing the Natural History Society, is associated with me in this work.

I have pleasure in reporting the appointment of Mr. E. H. Hamilton, B. A. Sc., by the University, as assistant in the Observatory.

Respectfully submitted,

C. H. McLEOD,  
*Superintendent, McGill College Observatory.*



**SUMMARY OF METEOROLOGICAL**  
**MCGILL COLLEGE OBSERVA**  
 Height above sea level, 187 feet. Latitude N.

Month.	Thermometer.					* Barometer.				† Mean pressure of vapor.	‡ Mean relative humidity.
	Mean.	† Deviation from 13 year means.	Maximum.	Minimum.	Mean daily range.	Mean.	Maximum.	Minimum.	Mean daily range.		
January.....	6.78	— 4.67	40.2	—25.9	20.4	29.9795	30.635	29.215	.377	.0620	85.6
February.....	13.97	— 1.84	45.3	—11.1	17.5	30.1822	31.006	29.079	.480	.0789	82.0
March.....	19.55	— 3.79	41.8	—11.9	14.8	29.9068	30.962	29.188	.259	.0920	77.8
April.....	35.46	— 4.04	56.4	8.0	15.4	29.9714	30.816	29.195	.248	.1465	67.5
May.....	61.06	+ 6.35	85.5	40.1	20.5	29.9981	30.351	29.554	.114	.3147	57.9
June.....	66.25	+ 1.77	86.7	50.3	71.1	29.9512	30.342	29.650	.155	.4523	70.2
July.....	73.48	+ 4.29	90.4	56.3	17.3	29.9130	30.169	29.502	.131	.5676	69.3
August.....	65.94	— 1.55	87.9	49.6	17.7	29.9277	30.342	29.633	.135	.4235	66.0
September.....	56.38	— 2.31	79.8	38.2	17.0	30.0105	30.447	29.266	.210	.3135	67.5
October.....	43.30	— 2.50	63.0	21.5	13.3	29.9652	30.617	29.373	.226	.2183	73.0
November.....	30.09	— 1.73	56.5	— 0.5	13.1	30.0137	31.058	29.311	.285	.1327	76.2
December.....	16.84	— 1.54	40.3	—12.2	10.6	30.1282	31.133	29.361	.262	.0919	83.7
Sums for 1887.....											
Means for 1887.....	40.76	— 0.96			16.2	29.9938			.240	.2412	73.1
Means for 13 years ending Dec. 31, 1887.....	41.72					29.9750			.2502		74.3

\* Barometer readings reduced to 32° Fahr., and to sea level. † Inches of mercury. ‡ Saturation been lower than the average for 13 years, inclusive of 1887. The monthly means are derived from and wind vane are on the summit of Mount Royal, 57 feet above the ground, and 810 feet above sea level. The greatest heat was 90.4 on July 4th; greatest cold 25.9 below zero on January 9th; extreme on January 20th; least range was 2.1 on Nov. 15th. The warmest day was July 4th, when the mean below zero. The highest barometer reading was 31.133 on December 1st, the lowest was 29.079 on 11th. The greatest mileage of wind recorded in one hour was 66 on February 11th, and the greatest 136.061. The resultant direction of the wind for the year is S. 67.5° W., and the resultant mileage storms on 10 days, and lightning without thunder on one day. Lunar halos on 14 nights. Lunar sleighing of the winter closed, in the city, on April 14th. The first appreciable snowfall of the year was on May 1st. The barometer reading, 31.133, is the highest recorded here during the 13 years over which the ture for May and July are the greatest recorded for these months, and that for July is the highest recorded. The rainfall is the least for any one year in the past 13, and the snowfall only exceeded in quantity

OBSERVATIONS FOR THE YEAR 1887.

TORY, MONTREAL, CANADA.

45° 30' 17". Longitude 4h. 54m. 18'54s. W.

Mean dew point.	Wind.		Sky clouded, per cent.	Per cent. possible bright sunshine.	Inches of rain.	Number of days on which rain fell.	Inches of snow.	Number of days on which snow fell.	Inches of rain and snow melted.	Number of days on which rain and snow fell.	Number of days on which rain or snow fell.	Month.
	Resultant direction.	Mean velocity in miles per hour										
3·3	S. 43° W.	18·37	66	29·1	1·41	7	50·1	21	6·08	4	24	..... January.
9·2	S. 67° W.	20·87	63	40·6	0·79	2	34·1	16	4·57	2	16	..... February.]
13·6	S. 62° W.	18·18	58	48·4	0·11	4	31·1	15	3·33	2	17	..... March.
25·3	S. 79° W.	18·18	53	58·3	3·02	11	Inapp.	1	3·02	.....	12	..... April.
44·5	S. 83° W.	14·62	59	66·1	1·26	6	.....	.....	1·26	.....	8	..... May.
55·5	S. 51° W.	12·73	56	58·1	2·41	12	.....	.....	2·44	.....	12	..... June.
62·1	S. 60° W.	12·35	54	62·5	2·66	16	.....	.....	2·66	.....	16	..... July.
53·3	S. 80° W.	12·36	58	66·8	1·72	9	.....	.....	1·72	.....	9	..... August.
45·2	S. 86° W.	13·89	70	49·5	1·32	12	.....	.....	1·32	.....	12	..... September.
34·8	S. 58° W.	14·10	70	35·1	2·93	15	3·1	5	3·24	2	18	..... October.
23·0	S. 75° W.	16·26	73	33·3	1·76	9	25·9	14	4·54	6	17	..... November.
12·6	N. 80° W.	15·06	67	25·0	1·93	6	24·9	13	5·08	1	18	..... December.
.....	.....	.....	.....	.....	21·35	109	189·2	35	39·26	17	177	Sums for 1887.
31·9	S. 67° 5 W.	.....	62·2	47 7	.....	.....	.....	.....	3·27	.....	.....	Means for 1887.
.....	.....	.....	61·0	§ 46·7	26·90	131	125·3	85	39·44	16·1	200	{ Means for 13 years ending Dec. 31, 1888.

100. § For 6 years only. " + " indicates that the temperature has been higher; " - " that it has readings taken every 4th hour, beginning with 3h. 0m. Eastern Standard time. The anemometer level.

range of temperature was therefore 116·3. Greatest range of the thermometer in one day was 41·5 temperature was 79·38. The coldest day was January 9th, when the mean temperature was 16·1 February 27th, giving a range of 2·054 for the year. The lowest relative humidity was 11, on May velocity in gusts was at the rate of 80 m. p. h. on October 24th. The total mileage of wind was 57,6°0. Auroras were observed on 29 nights. Fogs on 30 days. Hoar-frost on 13 days. Thunder coronas on 6 nights. Parhelia on 2 days. Lunar rainbow on July 6th. Hail fell on 7 days. The autumn was on October 23rd. The first sleighing of the winter was on November 11th. present series of observations extend. The humidity 11, is the lowest recorded. The mean temperature monthly mean on the records. The mean temperature of April is the lowest record for that month. by that of 1885. The total precipitation is very nearly normal.

## APPENDIX "D."

## REPORT OF THE MAGNETIC OBSERVATORY.

MAGNETIC OBSERVATORY, TORONTO, January, 1888.

The Honourable  
The Minister of Marine and Fisheries,  
Ottawa.

SIR,—I have the honour to submit herewith my annual report for the year 1887.

Observations for the re-determination of the latitude of the Observatory have been continued during the early part of the year, principally by transits in the prime vertical of E Aurigae, a star which culminates only a few seconds south of the zenith of the transit pier. The result of these, as well as numerous observations of other stars, seem to confirm the conclusion arrived at from the observations taken during the previous year and a combination of the various results of the two years would give a resultant latitude some ten seconds greater than that which has been in use.

During the year, seven solar transits and observations of stars in the meridian for time on 96 days were taken at the Toronto Observatory, in which 352 stars have been observed. The positions of the stars as given in the "Berliner Jahrbuch" have, as formerly, been used in the reductions.

Numerous determinations of the collimation error of the transit instrument have been made, chiefly by micrometrical measurements on the cross wires in the collimating telescope.

The meteorological and magnetic work has been continued as in previous years, and the preparation of the tabular matter for the report of the work during the year July, 1882, to July, 1883, has been continued, but owing to the insufficiency of the staff it is not yet completed.

The death of T. Menzies, observer, and the appointment of his son, William Menzies, to succeed him has been noticed in my report of the Meteorological Service.

## TIME SERVICE.

The exchanges of time between the observatories at Montreal, Quebec, St. John and the Toronto Observatory have been carried on throughout the year at intervals of about a fortnight, the comparisons being registered on the chronograph.

The errors of the clock at Toronto and the different time-pieces used by the observers are computed from the latest observations.

The examination of the clock and chronometer comparisons and observations sent in from the observatories at Quebec and St. John has been performed.

The following table shows the differences between the time as determined at Toronto and the time as given by the various exchanges. The sign + indicates that the time at stations is faster than at Toronto:—

1887.	Montreal.	Quebec.	St. John, N.B.
	s.		s.
January 7.....	+ 0.89	.....	— 0.19
do 12.....	+ 0.55	+ 1.32	+ 1.44
do 21.....	+ 0.28	.....	— 0.19
February 2.....	— 0.19	.....	+ 1.11
do 17.....	+ 0.71	+ 2.28	+ 0.28
do 28.....	+ 0.69	+ 1.82	+ 1.51
March 16.....	+ 0.39	+ 3.12	.....
do 29.....	+ 0.46	.....	— 0.32
April 15.....	— 0.05	+ 1.28	+ 0.55
do 28.....	+ 0.56	+ 1.45	+ 3.15
May 17.....	+ 0.61	.....	.....
do 20.....	.....	+ 0.17	+ 1.32
do 31.....	.....	— 0.73	+ 1.95
June 15.....	+ 0.06	— 0.57	+ 1.58
do 29.....	— 0.10	— 0.06	.....
July 12.....	.....	.....	— 0.26
do 28.....	+ 0.54	+ 0.09	+ 1.51
August 10.....	+ 0.58	+ 1.03	— 5.85
do 25.....	— 0.18	— 0.61	+ 5.43
September 12.....	— 0.02	+ 0.12	.....
do 22.....	+ 0.17	+ 0.31	— 0.08
October 12.....	+ 0.10	+ 0.40	.....
do 27.....	+ 0.19	+ 1.05	— 1.93
November 9.....	+ 0.52	.....	— 0.56
do 21.....	+ 0.77	— 1.70	+ 2.20
December 8.....	+ 0.16	.....	— 2.26
do 22.....	+ 0.48	+ 0.16	— 0.60

All of which is respectfully submitted.

CHARLES CARPMAEL,  
*Director.*

## APPENDIX "E."

### REPORT OF THE KINGSTON OBSERVATORY.

KINGSTON, 16th December, 1887.

SIR,—I have the honor to submit, for the information of the Minister of Marine and Fisheries, the following report of the Kingston Observatory:—

The projected alterations in the foundation of the transit piers mentioned in last report have been carried out, and the supports of the instrument are now in point of stability all that can be desired, the indications of the level showing scarcely any variation from day to day, summer or winter. The ground also on which the Observatory is built has been thoroughly drained, and the dome and the slits in the transit room have had a double coat of paint.

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The sidereal clock formerly used has been replaced by one made by Fauth & Coy, Washington, with gravity escapement and mercurial compensation pendulum. It has now been tested for more than a year, and I am happy to say that on examining the published reports of the rate of going of the clocks in the most celebrated observatories, its performance does not appear to be inferior to any. It gives me great satisfaction. Another very valuable addition to the timekeepers is a new mean time clock with similar escapement and compensation, which has been constructed and presented to the Observatory by Professor Dupuis, of Queen's University. Its daily rate of error is very small and remarkably steady.

Daily observations for time, as well as other observations, have been constantly made since last report.

I am, Sir,

Your most obedient servant,

JAS. WILLIAMSON,

*Director Kingston Observatory.*

WILLIAM SMITH, Esq.,  
Deputy Minister of Marine,  
Ottawa.

## APPENDIX No. 33

To the Twentieth Annual Report of the Department of Marine, being a Statement relative to the Life-Boat Stations maintained by the Dominion Government in Canada.

Station.	When Established	Coxswain.	Number of Crew.	Salary of Coxswain.	Remuneration of Crew.	Value of Boat.	Description of Boat.	Equipment and if Boat-house at Station.	Where Built	Expenditure for fiscal year ended 30th June, 1887.	Services rendered during season of 1887.
						\$ cts				\$ cts	
Cobourg, Ont.....	7 Nov., 1882..	Daniel Rooney .....	6	\$75 p. annum and \$1.50 for each drill.	\$1.50 each drill twice a month during season of navigation	575 00	Self-righting and self-bailing, 25 feet over all, 8 feet beam, Dobbins' pattern.	Full equipment of oars, life preservers, etc. Boat-house at this station.	Goderich.....	375 06	
Collingwood, Ont....	21 Sept., 1885..	P. Doherty .....	6	do	do	575 00	do	do do	do .....	276 50	
Devil's Island, N.S....	1885..	Light keeper .....		Not fixed .....	Not fixed .....	575 00	do	do do	Dartmouth, N.S.	14 64	
Duncan Cove, N.S....	1886..	R. G. Monk .....		do .....	do .....	575 00	do	do do	do .....	75 80	
Goderich, Ont.....	21 Oct., 1885..	Wm. Babb .....	6	\$75 p. annum and \$1.50 for each drill.	\$1.50 each drill twice a month during season of navigation.	575 00	do	do do	Goderich .....	1,179 00	Assisted schr. "T.V Taylor" into harbor on night of 18th September, 1887. Saved cargo of abandoned vessel "Norris," 26th October, 1887. At same time saved part of outfit of wrecked scow "Lady Elgin."
Poplar Point, Ont....	20 April, 1883..	Leroy Spafford.....	6	do	do	550 00	Self-righting and self-bailing, 26 feet long, 6 feet beam, Dobbins' pattern.	do do	Buffalo .....	1,174 14	Saved crew and schr. "Glenora" in November, 1887.
Port Stanley, Ont....	25 June, 1885..	Wm. Berry .....	6	do	do	575 00	Self-righting and self-bailing, 25 feet over all and 7 ft. beam, Dobbins' pattern.		Goderich.....	267 12	
Pelee Island, Ont....	1887..	S. Mahoney .....		do		575 00	do	do do	do .....	51 00	
Sable Island, N.S....	1885..	Supt. Humane Establishment.	From staff of Humane Establishment.	Paid as superintendent and staff of Humane Establishment.		575 00 each.	* Two boats, description as above, Dobbins' pattern.	do do	Dartmouth, N.S.		
Scattarie, N.S.....	1885..	Light keeper .....	No organized crew.			575 00	Same as other self-righting, etc., boats. Dobbins' pattern.	Full equipment and boat-house.	Dartmouth, N.S.	348 55	
Toronto .....	Prior to 1895 ordinary life boat at this station.										
Toronto .....	1 March, 1883	Wm. Ward .....	6	\$75 p. annum and \$1.50 for each drill.	\$1.50 each drill twice a month during season of navigation	575 00	do	do	Goderich .....	222 00	Saved 8 men from drowning, 10th July, 1887.
Wellington .....	17 do 1883..	H. McCulloch.....	6	do	do	1400 00	do	Full equipment of oars, life-preservers, rudder life-lines, etc.	Buffalo .....	261 34	Rescued captain and crew of schr. "Hannah Butler," and on storm abating put them on board again. In another storm, however, vessel and cargo were lost, captain and crew fortunately being saved.
Yarmouth, N. S.....	1886..	Light keeper at Cape Fourchu ...	No organized crew.			575 00	do	Full equipment and boat-house in course of erection.	Dartmouth, N.S.	79 75	

In addition to the self-righting and self-bailing boats above alluded to, the following description of boats are used at the undermentioned stations:—

Cape Sable, N.S.....		Light keeper.....					Metallic life boat, 16 feet keel, 5 feet beam.	Ordinary outfit. ....			
Herring Cove .....		J. Dempsey.....					Metallic life boat, 28 feet keel, 6 feet beam.	Full equipment. ....	New-York .....		
Mud Island .....		H. Williams .....					Fishing boats.			80 00	
Port Rowan, Ont....	19 Oct., 1883.	J. W. McCall.....	6	\$75 p. annum and \$1.50 for each drill.	\$1.50 each drill.		Surf boat, 26 feet long, 6½ feet beam.	Full equipment and boat-house.	Buffalo .....	204 63	
Port Hope, Ont.....		Harbour Master.....				298 00	Life boat, 16 feet keel, 5 feet beam.	do			
Seal Island, N.S....	1880.	Light keeper.....	No organized crew.	\$120.00			Wooden life boat canoe built, 26 feet long, 6 feet beam.	do		195 50	
St. Paul's Island, N.S.		Supt. Humane Establishment.					Two surf boats, one 25 feet over all, 6½ feet beam, the other 23 feet over all, 4 feet 8 inches beam.	do	St. Paul's Island		

Besides above mentioned life boats, life canoes are stationed in Quebec, as under:—

Father Point .....	1875.	E. Chamard .....	6	\$5 p. annum.		128 00		12 paddles, 2 boat hooks and painter. Has boat house.	Quebec .....		
Ile aux Grues.....	1875..	Jos. Painchaud ...	6	do		128 00		do	do .....		
Kamouraska.....	1875..	R. Leblanc .....	6	do		128 00		do	do .....		
L'Islet .....	1875..	J. B. Dussault .....	6	do		128 00		do	do .....	28 25	
Murray Bay .....	1875..	T. Desroches.....	6	do		128 00		do	do .....	12 30	
Rivière du Loup .....	1882	D. Raymond.....	6	do		128 00		do	do .....		
† Rivière Ouelle.....	1886..	G. Mercier.....	6	do		108 00		do	do .....	40 00	
Ste. Anne.....	1875..	P. Lafrance .....	6	do		128 00		do	do .....		
St. Jean Port Joly...	1875..	L. D. Babin .....	6	do		128 00		do	do .....		
Trois Pistoles.....	1875..	D. Damour .....	6	do		128 00		do	do .....	7 00	

\* One of these boats is at the Main Station with a metallic boat and surf boat and rocket apparatus; the other with an ordinary life boat, fully equipped at the East end Station.

† This canoe was first stationed here in 1875, but was removed to Rivière du Loup in 1882, it being considered more serviceable at the latter place. In 1896, a new canoe was built and stationed at this place, costing \$20 less than former one.

WM. SMITH,  
Deputy Minister of Marine.



## APPENDIX No. 34

## TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REGULATIONS FOR THE GOVERNMENT OF THE LIFE-SAVING SERVICE OF CANADA UNDER THE CONTROL OF THE DEPARTMENT OF MARINE.

1. The Life Saving Service of Canada is under the control and management of the Minister of Marine and Fisheries.

2. The humane and life-saving stations at Sable Island and St. Paul's Island are under the immediate charge of the superintendents of those islands respectively. All other duly organized life-saving stations shall be in charge of coxswains appointed by the Minister of Marine.

3. All officers and members of the Life-Saving Service shall be subject to rules and regulations made, from time to time, for the proper and effective working of the service.

4. The life-boat crews shall be organized at the several stations, from duly qualified residents of the respective localities, who will be required to formally subscribe to articles of engagement, in which will be set forth the duties required and the remuneration to be allowed for their faithful performance.

## DUTIES, &amp;c., OF COXSWAINS.

5. No person shall be appointed as coxswain until he shall have produced satisfactory evidence of good moral character, and sober and correct habits. A coxswain must be not less than twenty-one, nor more than fifty years of age, and be able to read and write a fair legible hand, must be able-bodied, familiar with the line of coast embraced within his district, and possess a thorough knowledge of the management of surf and life-boats, and of the use of the various apparatus employed in the service.

6. Each coxswain will receive an annual allowance of seventy-five dollars, as remuneration for taking charge of the life-boat and station. In addition to that, he will be paid at the same rate as other members of the crew for his services at wrecks and at the ordinary practices of the boat and apparatus.

7. Coxswains will be held to a strict accountability for the proper care, preservation and good order of the apparatus, boats, buildings and their appurtenances, and for the economical use of all supplies placed in their charge. They must be careful to prevent waste, theft and mis-application of all Government property entrusted to their care and management, and the value of all articles not satisfactorily accounted for will be deducted from their pay.

8. Coxswains must not use or permit to be used for private purposes, the boats, carts, or any of the equipments of the station.

9. Whenever anything belonging to a station is lost or destroyed, the fact and attendant circumstances must be immediately reported to the Deputy Minister of Marine at Ottawa.

10. Immediately upon the discovery of a wreck or vessel in distress, signal will be made in the manner hereinafter prescribed, and such signal having been made, the coxswain will proceed to prepare the boat, apparatus, &c., for instant service.

11. In case of necessity coxswains are authorized to obtain from the neighbourhood the use of horses or carts to facilitate or hasten the conveyance of the boat or



apparatus to the scene of the wreck, for which a reasonable compensation will be allowed. When such expense has been incurred, the coxswain will attach to the bill for the same a full statement showing the necessity thereof and the extent of the service.

12. Coxswains are strictly charged to see that every member of their respective crews is properly equipped with his life belt before taking his place in the boat at any time. Each member of the crew is to have his own belt, properly fitted to him and marked so that he can secure it without delay. Coxswains will assure themselves by personal inspection on every occasion of their use, that the life belts are in good condition, and especially that the strings are strong. They are enjoined to give particular attention to the fastenings of the belts upon the men, to insure which object it is indispensable: 1st. That the upper back strings of the belts should be drawn tightly over the shoulders, after being crossed behind and tied carefully and tightly to the front strings on the chest, so as to make it impossible for the belt to drop down over the hips; 2nd. That the waist strings should be drawn tightly around the body between the rows of cork, and them tightly and carefully tied, so as to prevent the sea from getting under the belt and breaking the strings, and also to preserve bodily warmth by keeping the belt in contact with the person. Coxswains will be held responsible for any neglect or infraction of this regulation on the part of any member of their respective crews.

13. On boarding wrecks, the preservation of life will be the coxswain's first consideration, and he will on no account take in goods or merchandize which may endanger the safety of his boat or the lives of those entrusted to his charge, and should anything of the kind be brought in against his remonstrance, he is fully authorized to throw it overboard.

14. In all cases of stranded vessels, coxswains will exercise a watchful care over such portions of the cargo as may be landed or come on shore, in order to preserve the same, as far as possible, for the owners thereof, as also to protect the revenue; and with this view, dutiable goods and valuable merchandize, other than combustibles and explosives, may, for security, be stored within the stations, but the boat rooms must not be encumbered with articles which might affect the instant availability of the apparatus.

15. Coxswains will keep as accurate an account as possible of the cargo landed, and make a return of the same to the Deputy Minister of Marine, who will turn it over to the Collector of Customs within whose district the wreck may have occurred.

16. As soon after the occurrence of a wreck as it can be done, without interruption of his duty thereat, the coxswain of the nearest station will forward, by telegraph or by mail, a preliminary report of the casualty to the Deputy Minister of Marine, at Ottawa.

17. As soon after duty at a wreck as practicable, the coxswain of each station engaged will enter all the requisite particulars in a journal, and will fill up and forward the necessary report according to form, stating what appliances were used upon the occasion, whether mortar, gun, rocket, life-boat, surf-boat, life-car, life-raft or breeches buoy, and with what success, and also appending to the report a full narrative of the entire transaction, giving, with the utmost detail, every particular.

18. On returning from service, the boat will be placed in the boat-house immediately, and on the first fine day after, it will be drawn out, that any dampness about it may be dried up. Any damage to the boat must be immediately repaired.

19. After the apparatus has been used either in actual service or for exercise, each coxswain will see that every part thereof is restored to its proper place in the house, after being cleaned of sand or dirt. All metallic substances are to be wiped dry, and all lines and hawsers thoroughly dried at the first opportunity of fair weather.

20. In order to preserve the lines from rot, and for the purpose of properly ventilating the houses, coxswains will frequently avail themselves of fair weather to open all doors and windows during the daytime to permit the free passage of air throughout the houses, and will avail themselves of every opportunity and means to disperse whatever dampness or moisture may have accumulated.

21. A signal shall be agreed on by which the life-boat crew can be called together when required, such as a flag hoisted by day, and the firing of a carronade (or other alarm signal) by night. In addition coxswains will use all other means that may be available for speedily collective their respecting crews.

22. In case of the failure of a sufficient number of the enrolled members of the life-boat's crew to arrive seasonably upon an occasion of wreck, the coxswain is authorized to accept, if necessary, the services of any competent person or persons who will volunteer to make up the full number required, and each such person who participates in the life-boat service on such occasions will receive reasonable compensation.

23. The life-boat will be manned by the coxswain in charge and as many boatmen as the boat pulls oars, and the coxswain shall have full command of the boat.

24. Should any coxswain become incapacitated through illness, accident or otherwise, to properly discharge, at any wreck, the duties appertaining to his station, the most competent member of the crew present shall be selected by a majority vote of the boat's crew about to go on service, who will temporarily assume command, and must be obeyed and respected as coxswain.

25. Coxswains are required to make themselves familiarly acquainted with these regulations and the instructions for drill with the apparatus, and also in the use of the Code of Signals and the prescribed method for restoring the apparently drowned.

#### LIFE-BOAT CREWS.

26. Crews for the life-boats will be selected by the coxswain, from able-bodied and experienced boatmen residing near the station.

27. Life-boat crews will be required to sign articles in accordance with the form attached to these regulations, binding themselves to a faithful performance of the duties therein specified.

28. Before signing the articles of engagement each man will either read, or have read to him, the regulations setting forth his duties. The compensation will be specified in the articles of agreement.

29. As the efficiency of a life-saving station depends upon the good training and discipline of the crew, the strictest attention must be paid, by the members thereof to the directions of the coxswain on all occasions, and implicit obedience to all lawful orders from officers must be rendered.

30. All members of life-boat crews, when not at the stations, will be expected, in inclement or thick weather, to be on the lookout for the signal to assemble, and on seeing or hearing it must repair immediately to the station.

31. Each crew shall be exercised fourteen times per annum, at regular intervals during the season of navigation to be fixed by the coxswains.

32. These exercises to occupy half a day, or five hours' time, and to include drill in managing the life-boat, and other duties connected with the station, the boat sometimes to be exercised in rough water.

33. Pay at the rate of \$1.50 for each such drill will be allowed for each man, including the coxswain; when the boat has been on service about the time of any drill, that drill is to be omitted.

34. Whenever a life-boat has been on service at a wreck the crew will be reimbursed for the work done, the amount to be settled by the Minister of Marine and Fisheries, who will consider each case on its own merits.

35. The crews of life-saving stations may assist in saving property from wrecked vessels, so far as it can be done without interfering with the duty of saving life, which must be always the paramount consideration, or injuring the effectiveness of the appliances for prompt service at any moment. They may also claim reasonable compensation for the use of boats, waggons or other appliances personally belonging to them, which may be employed on such occasions, and may receive such rewards for labour performed, or risk incurred at wrecks, as owners or masters of vessels, or

other persons, may see fit to voluntarily bestow upon them, but they are strictly forbidden to solicit such  $\text{g}$  wards.

MISCELLANEOUS.

36. The apparently drowned are to be treated according to the printed directions on page 232 of this appendix, and all members of the Life-Saving Service are enjoined to make themselves familiar therewith.

37. Prompt measures must be taken to revive or resuscitate all persons found apparently drowned or insensible from exposure to cold.

38. All officers and other persons of the Life-Saving Services are required and strictly enjoined to properly observe and obey the orders of their superiors, and to use their utmost exertions to carry such orders into effect with promptitude.

39. No person belonging to the Life-Saving Service is permitted or authorized to take out of any wrecked vessel any money, plate, goods or any part of her cargo, or to take or remove any part of her rigging, stores or outfits, unless it be for the protection or preservation of the same, in which case the whole amount taken must, without fraud, concealment or embezzlement, be delivered to the coxswain in charge, or to the parties entitled to it.

40. The exterior of the boats must be painted annually by the coxswain. If the boat has been much used during the preceding twelve months, she should have two coats of paint; if little used, one will suffice, but the painting should be very carefully performed, and the paint well worked into the seams. The Department will furnish the necessary paint, oil and brushes for this work.

41. Persons found in the surf or upon the beach, after death, are to be properly cared for, and where they cannot be otherwise identified, a description, as complete in details as possible, will be made upon the journal of the station, and a copy sent to the Deputy Minister of Marine, Ottawa.

42. Where articles of value or trinkets that might assist in identification, are found upon the bodies of deceased persons, they will be carefully preserved and forwarded, with a list thereof, to the Deputy Minister of Marine, Ottawa.

*Regulations relative to the care and use of the Self-Bailing and Self-Righting Life-Boat.*  
(Adapted from instructions published by the Royal National Life-Boat Institution of Great Britain.)

STOWAGE OF LIFE-BOAT GEAR.

The stowage of life-boat gear is a matter of very great importance; in fact, the success of the life-boat in attempts at rescue, and the safety of her own crew, may largely depend upon it. The stowage space is necessarily limited, owing to so large a part of the boat being taken up by the air-cases and compartments which give her buoyancy; yet, in order to meet the conditions and emergencies of her work, she is obliged to carry a great number of articles, and these must be so placed as to be readily available for action and to not impede in any way the movements of the crew.

Two principles must never be lost sight of in stowing the life-boat—1st. Every article ordinarily in use should be *always* in the boat ready for service. 2nd. Every article should be carefully disposed in a particular manner. In these matters nothing should be considered trifling or unimportant. The smallest deviation from these two rules may involve disastrous failure.

The object of having all articles ordinarily in use kept constantly in the boat is to prevent anything from being forgotten and left out in the excitement attendant upon a sudden summons to put out to sea for a rescue. At such times something of importance is very apt to be overlooked, all hands being mainly intent upon the work of getting afloat and saving those in peril.

The object in having all the articles in the boat arranged in a particular manner is to allow the men to work the boat without the slightest hinderance and with the best possible results. It must be borne in mind that to have to row at, even the slightest disadvantage, in a heavy sea, might give the mastery to the waves, and involve the loss of human life. If, for example, the ropes were not well coiled beneath the thwarts and clear of the footboard, the legs of the rowers would be cramped, the muscles of the back chest and arms could not work freely, and the result would be discomfort, early fatigue, and general inefficient action. Or, if the masts, when the boat was under oars were not securely lashed, and the boat happened to be thrown on her beam-ends by a broadside sea, the masts, being stowed amidships between the two lines of rowers, would then fall over on the lee side, and the crew, struggling in the water with this load upon them, would find difficulty in getting free, while the boat, held in this dangerous position by the combined weight of the men, masts, and water on her lee side, would probably be upset by the next sea on her broadside. In a similar instance, the oars, if not well lashed, might be lost altogether, and the boat be left without the means of managing her. It is obvious, also, that articles should be so placed as to be seized for use at exactly the right moment. A secondary purpose is to enable any inspector, when he visits the station, to see at a glance that all the equipments are in the boat and disposed in the best possible manner for service.

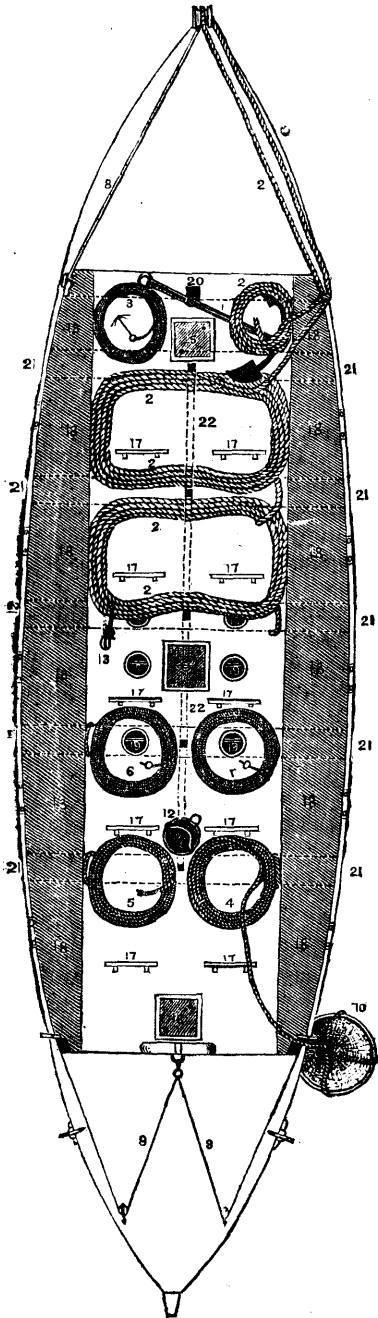
In stowing the ropes, two general rules must be observed: 1st. Every rope must be fastened securely around a thwart by one end, leaving the other end clear for use. 2nd. Every rope must be stowed away, as far as possible, under a thwart, so that the end can be handed out, if wanted, by the man on the thwart above it, while it is in nobody's way, and not liable to be trampled on or disarranged, as it would be if coiled in the spaces between the thwarts. 3rd. Ropes should be coiled loosely, so as to allow the air to have access to all parts of them.

The accompanying diagram shows the deck of a life-boat, with the stowage arranged in accordance with these principles and rules. The thwarts are merely indicated by fine dotted lines, and the ropes are shown coiled beneath them. The anchor, drogue, life-buoy, and other articles, are shown in their appropriate places.

DECK-PLAN OF A SELF-RIGHTING LIFE-BOAT, SHOWING THE MANNER IN WHICH THE GEAR IS STOWED.

Boat and Gear.

List of Articles Shown.



1. Anchor.
2. Cable.
3. Bow heaving-line or grapnel-rope and grapnel.
4. Drogue-rope.
5. Stern heaving-line.
6. } Veering lines.
7. }
8. Jib outhaul or tack.
9. Mizzen-sheets.
10. Drogue.
11. Life-buoy.
12. Loaded-cane, heaving-line, and tub.
13. Tailed block.
14. Pump-well hatch.
15. } Deck ventilating-hatches.
16. }
17. Foot-boards for rowers.
18. Side air-cases.
19. Relieving tubes and valves.
20. Samson's post.
21. Thwarts.
22. Central batten, to which the masts and boat-hooks are lashed.

NOTE.—In many of the Canadian life-boats the side air-cases (18) are dispensed with, and there are less thwarts than shown on this plan. The same general arrangement is, however, applicable to all boats, with such slight modifications for changed spaces as experience may suggest.

The spare oars, masts and sails, and boat-hooks, are not shown in the diagram, lest their representation should so crowd the drawing with objects as to make it difficult to be understood. They are to be stowed above the thwarts. The masts, boat-hooks, and spare steering-oar are stowed amidships and securely lashed to the central batten, so that they will in no event break adrift. The sails are stowed at the fore end of the boat, one on each side, with two spare oars on each side, all securely lashed.

#### REGULATIONS.

1. The coxswains of life-boat stations will be held responsible to the Government for the proper care and order, cleanliness, and efficiency of the life-boat, and everything pertaining to her.

2. The coxswain of each life-boat station will frequently open the doors and windows of the boat-house; keep the pump-well hatch and ventilating hatches of the boat open when the boat is not in use; and often examine such of her gear as would suffer injury from dampness, and dry it by exposure to the sun or wind. He will exercise proper precautions against the warping of the oars by their remaining long in one position, and see that they are not left supported only at the ends.

3. The coxswain will keep all the boat's gear as far as possible in the boat, except the lantern (which has first to be trimmed and is only wanted for night service) and the lifebelts, so that no delay may take place in handing gear into the boat when going on service, and no risk be run of leaving anything behind.

4. The ropes and other gear of the life-boat must on no account be used for private purposes, nor, where avoidable, for any other purpose than that for which they are provided.

5. Whenever any small articles are injured or destroyed, they should be instantly repaired or replaced, and the Deputy Minister of Marine informed accordingly; and when any ropes or other articles of importance are worn-out or destroyed, the fact should be made known at once.

6. Whenever the life belts have been wet through with salt water, they should be dipped and washed in fresh water if practicable, and perfectly dried as soon as possible, their durability, without repair, much depending upon this being done.

7. Where there is a carriage to the boat, the wheels should be taken off at least twice a year and the axle-arms greased and the roller-skids should be kept in good order by oiling their axle-bolts occasionally.

8. To provide against the liability of the breakage of oars, either on service or in exercise, the coxswain will see that not less than four spare oars are carried in the boat whenever afloat, and that they are securely lashed so that they cannot be washed overboard, nor lost should the boat be upset.

*Instructions for the management of the life-boat transporting carriage on occasions of launching and hauling up. [Reproduced from instructions published by the Royal National Life-Boat Institution of Great Britain.]*

#### I.—READINESS FOR SERVICE.

1. The life-boat is kept on the carriage in the boat-house, ready for launching at a moment's notice; all her ordinary gear being in her, and the hauling-off or launching ropes ready rove.

2. Each launching-rope has a thimble eye at one end, which hooks over the corresponding hook at the lower part of the sternpost, thence it reeves downward through the sheave on the same side of the rear end of the carriage, the hauling part being hauled taut, and belayed to a cleat, at the fore end of the keelway of the carriage.

3. A stout securing-rope, in the fore end of the keelway, is rove through the hole at the aft end of the boat's keel, and belayed. This rope prevents the boat from running off the carriage when being drawn, and the hauling-off ropes, being hauled taut and belayed, prevent her running forward on the horses when going down a hill. No other ropes or lashings are required to steady or secure the boat on the carriage.

#### II.—LAUNCHING.

4. Preparatory to launching, the carriage should, according to circumstances, be either drawn into the water, and then turned short round, or be backed in far enough to launch *afloat*, and her bow pointed fair toward the surf before the crew get into the boat. Should, however, the carriage have to be drawn a considerable distance into the water before the boat will launch *afloat*, if there be sufficient horsepower available, the crew can all take their places in the boat before she is drawn into the water. In general, however, it will be best to turn the carriage round before, arriving at the water's edge, to take the horses out of the shafts, and to let the crew and assistants push the carriage into the water by the shafts, taking care to keep the boat's bow toward the sea, and to push the carriage far enough into the water to insure the boat's launching *afloat*.

5. The boat being properly placed, and each of the crew sitting on his thwart with his oar over the side, ready to give way, the hauling-off ropes are led up the beach and manned by the bystanders, or the assistants who are engaged for the purpose; or, if men are not at hand, a horse may be attached to them.

6. All being ready, and one man attending the securing-rope at the stern, in readiness to let it go, the coxswain will watch the surf as it breaks, and at the right moment will give the word to launch, when the men or horses on the launching-ropes running up the beach with all the speed possible, the boat which is entirely supported on the rollers of the keelway, will be shot rapidly off the carriage, and the crew instantly giving way with their oars, she may thus be got fairly under command, before the surf has time to beat her back broadside to the shore, as would be the case if launching without the aid of the carriage.

7. As soon as the boat is *afloat*, the horses or assistants should draw the carriage out of the water and a short distance up the beach, and the assistants should prepare the tackle for hauling-up the boat on her return to the shore, and should see the skids and hauling-up hook-rope also ready for use.

#### III.—HAULING UP.

8. On the boat's returning to the shore, it is desirable that she should, as quickly as possible, be hauled up beyond the reach of the surf; and as she could not be kept sufficiently steady in a surf to be hauled at once from the water on to the carriage, she is first hauled up on the roller-skids supplied for the purpose, until altogether clear of the water and up heaviest part of the beach.

9. The judicious use of the skids much facilitates the operation of hauling up, as on a soft beach or a steep incline a boat can be dragged with greater ease over them than she can be drawn on a carriage.

10. On the boat approaching the shore, bow foremost, one or two hands quickly place a skid under her bow, while another hooks the hauling-up rope into the hole at the fore end of the keel, the same being ready manned by those on shore. The boat is thus run over the first skid while she is still water-borne. Her crew then jump out of her and aid in hauling her up, two or more on each side of her keeping her from falling over on one side. A line of skids being then placed at suitable intervals, she is drawn on them out of the water and as far up the shore as may be found convenient.

11. The fore body of the carriage is then detached, and the fore end of the keelway, resting on the ground, is run under the boat's bow, forming an incline, up which she may be easily hauled.

12. The hauling-off ropes are then doubled by toggling a single-snatched block and pendant to the standing part of each, and reeving their hauling part through the blocks. The pendants then hook over the slip-hooks on the sternpost, thus forming two single-block purchases, which are found sufficient.

13. A few men on the tackles are sufficient to haul the boat on the carriage, some on each side keeping her upright until her bilge-pieces take the sideways at the rear end of the carriage.

14. When far enough on the carriage to pass the securing-rope, the same is made fast and the tackle-falls belayed. The fore body of the carriage is then again attached, and the boat is ready for transit.

15. Drag-ropes are provided, with which the crew and assistants may aid the horses over very soft parts of the beach or up heavy hills, and check speed going down hills.

16. The wheels should be occasionally taken off and the axle-arms greased; a lifting-jack is supplied with every carriage for that purpose.

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*Towing of Life Boats. Reproduced from instructions published by the Royal National Life-Boat Institution of Great Britain.*

On no account must any life-boat be towed, either by a steamer or sailing vessel, without her crew being in her, or at least a sufficient number of men to manage her in the event of her breaking adrift, or having to cast off from the towing vessel.

A life-boat may be towed by either one or two tow-ropes. If the former be adopted, it is recommended to tow with a long scope, from forty to sixty fathoms; the tow-rope being rove through a fair-leader or lizard at the stem-head, and screwed to a bollard shipped in the trunk or tabernacle of the foremast.

If towed with two ropes, one from each quarter of the towing steamer, they should not be taken to the stem of the boat, but be made fast, one to each bow, for which purpose some life-boats are fitted with a bollard on each bow. In either case the crew should be seated well aft in the boat to weigh her by the stern, excepting one man forward with a small hatchet by him, ready to cut the tow-rope in a moment if it should become necessary.

A life-boat will always be found to tow better against a heavy head-sea than away from one, as there will be a more steady and regular strain on her, and she will tow less wildly, and therefore with less violent jerks and strains on the tow-rope.

Great advantage is found, when towing a life-boat before a heavy sea, by towing a drogue astern of the boat, to prevent her running ahead in front of a sea (at risk of damage against the towing vessel), and to keep up a more equable strain on the tow-rope.

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*Rules for the management of open Row-Boats in a Surf—Beaching them, &c. Reproduced from instructions published by the Royal National Life-Boat Institution of Great Britain.*

RULES OF MANAGEMENT.

1.—*In rowing to seaward.*

As a general rule, speed must be given to a boat rowing against a heavy surf. Indeed, under some circumstances, her safety will depend on the utmost possible speed being attained on meeting a sea. For if the sea be really heavy, and the wind blowing a hard, on-shore gale, it can only be by the utmost exertions of the crew that any headway can be made. The great danger then is, that an approaching heavy sea may carry the boat away on its front, and turn it broadside on, or upend it,



either effect being immediately fatal. A boat's only chance in such a case is to obtain such way as shall enable her to pass, end on, through the crest of the sea, and leave it as soon as possible behind her. Of course, if there be a rather heavy surf, but no wind, or the wind off shore, and opposed to the surf, as is often the case, a boat might be propelled so rapidly through it that her bow would fall more suddenly and heavily after topping the sea than if her way had been checked; and it may, therefore, only be when the sea is of such magnitude, and the boat of such a character, that there may be a chance of the former carrying her back before it, that full speed should be given to her.

It may also happen that, by careful management under such circumstances, a boat may be made to avoid the sea, so that each wave may break ahead of her, which may be the only chance of safety in a small boat; but if the shore be flat, and the broken water extends to a great distance from it, this will often be impossible.

The following general rules for rowing to seaward may, therefore, be relied on:

1. If sufficient command can be kept over a boat, by the skill of those on board her, avoid or "dodge" the sea, if possible, so as not to meet it at the moment of its breaking or curling over.

2. Against a head gale and heavy surf, get all possible speed on a boat on the approach of every sea which cannot be avoided.

3. If more speed can be given to a boat than is sufficient to prevent her being carried back by a surf, her way may be checked on its approach, which will give her an easier passage over it.

## II. *On running before a broken sea, or surf, to the shore.*

The one great danger, when running before a broken sea, is that of *broaching-to*. To that peculiar effect of the sea—so frequently destructive of human life, the utmost attention must be directed.

The cause of a boat's broaching-to when running before a broken sea or surf is that her own motion being in the same direction as that of the sea, whether it be given by the force of oars or sails, or by the force of the sea itself, she opposes no resistance to it, but is carried before it. Thus, if a boat be running with her bow to the shore and her stern to the sea, the first effect of the surf or roller, on its overtaking her, is to throw up the stern, and as a consequence to depress the bow; if she then has sufficient inertia (which will be proportional to weight) to allow the sea to pass her, she will in succession pass through the descending, the horizontal, and the ascending, position as the crest of the wave passes successively her stern, her midships, and her bow, in the reverse order in which the same positions occur to a boat propelled to seaward against a surf. This may be defined as the safe mode of running before a broken sea.

But if a boat, on being overtaken by a heavy surf has not sufficient inertia to allow it to pass her, the first of the three positions above enumerated alone occurs; her stern is raised high in the air, and the wave carries the boat before it, on its front or unsafe side, sometimes with frightful velocity, the bow all the time deeply immersed in the hollow of the sea, where the water, stationary or comparatively so, offers a resistance, whilst the crest of the sea having the actual motion which causes it to break, forces onward the stern or rear end of the boat. A boat will, in this position sometimes, aided by careful oar-steerage, run a considerable distance until the wave has broken and expended itself. But it will often happen that if the bow be low it will be driven under water, when, the buoyancy being lost forward, whilst the sea presses on the stern, the boat will be thrown (as it is termed) end over end; or if the bow be high, or it be protected, as in most life-boats, by a bow air-chamber, so that it does not become submerged, that the resistance forward, acting on one bow, will slightly turn the boat's head, and the force of the surf being transferred to the opposite quarter, she will in a moment be turned round broadside to the sea, and be thrown by it on her beam-ends or altogether capsized. It is in this manner that most boats are upset in a surf, especially on flat coasts, and in this way many lives

are annually lost among merchant seamen when attempting to land after being compelled to desert their vessels. Hence it follows, that the management of a boat, when landing through a heavy surf, must, as far as possible, be assimilated to that when proceeding to seaward against one, at least so far as to stop her progress shoreward at the moment of being overtaken by a heavy sea, and thus enabling it to pass her. There are different ways of effecting this object:—

1. By turning a boat's head to the sea before entering the broken water, and then backing in stern foremost, pulling a few strokes ahead to meet each heavy sea, and then again backing astern. If a sea be really heavy and a boat small, this plan will be generally the safest, as a boat cannot be kept more under command when the full force of the oars can be used against a heavy surf than by backing them only.

2. If rowing to shore with the stern to seaward, by backing all the oars on the approach of a heavy sea, and rowing ahead again as soon as it has passed to the bow of the boat, thus rowing in on the back of the wave; or, as is practised in some life-boats, placing the after-oarsmen with their faces forward and making them row back at each sea on its approach.

3. If rowed in bow foremost, by towing astern a pig of ballast or large stone, or a large basket, or a canvas bag, termed a "drogue" or drag, made for the purpose, the object of each being to hold the boat's stern back, and prevent her being turned broadside to the sea or broaching-to.

Drogues are in common use by the boatmen on the Norfolk coast; they are conical-shaped bags of about the same form and proportionate length and breadth as a candle extinguisher, about two feet wide at the mouth and four and a half feet long. They are towed with the mouth foremost by a stout rope, a small line, termed a tripping-line, being fast to the apex or pointed end. When towed with the mouth foremost they fill with water and offer a considerable resistance, thereby holding back the stern; by letting go the stouter rope and retaining the smaller line their position is reversed, when they collapse, and can be readily hauled into the boat.

Drogues are chiefly used in sailing-boats, when they both serve to check a boat's way and to keep her end on to the sea. They are, however, a great source of safety in rowing-boats, and rowing life-boats should be provided with them.

A boat's sail bent to a yard and towed astern loosed, the yard being attached to a line capable of being veered, hauled, or let go, will act in some measure as a drogue, and will tend much to break the force of the sea immediately astern of the boat.

Heavy weights should be kept out of the extreme ends of a boat; but when rowing before a heavy sea the best trim is deepest by the stern, which prevents the stern being readily thrown on one side by the sea.

A boat should be steered by an oar over the stern, or on one quarter, when running before a sea, as the rudder will then at times be of no use. If the rudder be shipped, it should be kept amidships on a sea breaking over the stern.

The following general rules may therefore be depended on when running before, or attempting land, through a heavy surf or broken water:—

1. As far as possible, avoid each sea by placing the boat where the sea will break ahead or astern of her.

2. If the sea be very heavy, or if the boat be very small, and especially if she have a square stern, bring her bow round to seaward and back her in, rowing ahead against each heavy surf that cannot be avoided sufficiently to allow it to pass the boat.

3. If it be considered safe to proceed to the shore bow foremost, back the oars against each sea on its approach, so as to stop the boat's way through the water as far as possible, and if there is a drogue, or any other instrument in the boat which may be used as one, tow it astern to aid in keeping the boat end on to the sea, which is the chief object in view.

4. Bring the principal weights in the boat towards the end that is to seaward, but not to the extreme end.

5. If a boat, worked by both sails and oars, be running under sail for the land through a heavy sea, her crew should, under all circumstances, unless the beach be

quite steep, take down her masts and sails before entering the broken water, and take her to land under oars alone, as above described. If she have sails only, her sails should be much reduced, a half-lowered foresail or other small head-sail being sufficient.

### III. *Beaching or landing through a surf.*

The running before a surf or broken sea, and the beaching or landing of a boat, are two distinct operations; the management of boats as above recommended has exclusive reference to running before a surf where the shore is so flat that the broken water extends to some distance from the beach. Thus, on a very steep beach the first heavy fall of broken water will be on the beach itself, whilst on some very flat shores there will be broken water as far as the eye can reach, sometimes extending to even four or five miles from the land. The outermost line of broken water, on a flat shore, where the waves break in three and four fathoms water, is the heaviest, and therefore the most dangerous; and, when it has been passed through in safety, the danger lessens as the water shoals, until, on nearing the land, its force is spent and its power harmless. As the character of the sea is quite different on steep and flat shores, so is the customary management of boats on landing different in the two situations. On the flat shore, whether a boat be run or backed in, she is kept straight before or end on to the sea until she is fairly aground, when each surf takes her farther in as it overtakes her, aided by the crew, who will then generally jump out to lighten her, and drag her in by her sides. As above stated, sail will in this case have been previously taken in if set, and the boat will have been rowed or backed in by oars alone.

On the other hand, on the *steep* beach, it is the general practice, in a boat of any size, to retain speed right on to the beach, and in the act of landing, whether under oars or sail, to turn the boat's bow half round towards the direction from which the surf is running, so that she may be thrown on her broadside up the beach, where abundance of help is usually at hand to haul her as quickly as possible out of the reach of the sea. In such situations, we believe, it is nowhere the practice to back a boat in stern foremost under oars, but to row in under full speed as above described.

### IV. *Boarding a wreck or a vessel, under sail or at anchor, in a heavy sea.*

The circumstances under which life-boats or other boats have to board vessels, whether stranded or at anchor or under way, are so various that it would be impossible to draw up any general rule for guidance. Nearly everything must depend on the skill, judgment, and presence of mind of the coxswain or officer in charge of the boat, who will often have those qualities taxed to the utmost, as undoubtedly the operation of boarding a vessel in a heavy sea or surf is frequently one of extreme danger.

It will be scarcely necessary to state that, whenever practicable, a vessel, whether stranded or afloat, should be boarded to leeward, as the principal dangers to be guarded against must be violent collision of the boat against the vessel, or her swamping or upsetting by the rebound of the sea, or by its irregular direction on coming in contact with the vessel's side; and the greater violence of the sea on the windward side is much more likely to cause such accidents. The danger must, of course, also be still further increased when the vessel is aground and the sea breaking over her. The chief danger to be apprehended on boarding a stranded vessel on the lee side, if broadside to the sea, is the falling of the masts; or if they have been previously carried away, the damage or destruction of the boat amongst the floating spars and gear alongside. It may therefore, under such circumstances, be often necessary to take a wrecked crew into a life-boat from the bow or stern; otherwise a rowing boat, proceeding from a lee shore to a wreck, by keeping under the vessel's lee, may use her as a break-water, and thus go off in comparatively smooth water, or

be at least shielded from the worst of the sea. This is, accordingly, the usual practice in rowing life-boats. The larger sailing life-boats, which go off to wrecks on outlying shoals, are, however, usually anchored to windward of stranded vessels, and then veered down to 100 or 150 fathoms of cable, until near enough to throw a line on board. The greatest care, under these circumstances, has, of course to be taken to prevent actual contact between the boat and the ship, and the crew of the latter have sometimes to jump overboard and to be hauled to the boat by ropes.

In every case of boarding a wreck or a vessel at sea, it is important that the lines by which a boat is made fast to the vessel should be of sufficient length to allow of her rising or falling freely with the sea; and every rope should be kept in hand ready to cut or slip it in a moment if necessary. On wrecked persons or other passengers being taken into a boat in a sea way, they should be placed on the thwarts in equal numbers on either side, and be made to sit down. All crowding or rushing headlong into the boat should be prevented as far as possible; and the captain of a ship, if a wreck, should be called on to remain on board to preserve order until every other person had left her.

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*Instructions for saving drowning persons by swimming to their relief. [Reproduced from the Rules of the Royal National Life-Boat Institution of Great Britain.]*

1. When you approach a person drowning in the water, assure him, with a loud and firm voice, that he is safe.

2. Before jumping in to save him, divest yourself as far and as quickly as possible of all clothes; tear them off, if necessary; but if there is not time, loose at all events the feet of your drawers, if they are tied, as, if you do not do so, they fill with water and drag you.

3. On swimming to a person in the sea, if he be struggling, do not seize him then, but keep off for a few seconds till he gets quiet, for it is sheer madness to take hold of a man when he is struggling in the water, and if you do you run a great risk.

4. Then get close to him and take fast hold of the hair of his head, turn him as quickly as possible on his back, give him a sudden pull, and this will cause him to float, then throw yourself on your back also and swim for the shore, both hands having hold of his hair, you on your back and he also on his, and of course his back to your stomach. In this way you will get sooner and safer ashore than by any other means, and you can easily thus swim with two or three persons; the writer has even, as an experiment, done it with four, and gone with them forty or fifty yards in the sea. One great advantage of this method is that it enables you to keep your head up, and also to hold the person's head up you are trying to save. It is of primary importance that you take fast hold of the hair and throw both the person and yourself on your backs. After many experiments, it is usually found preferable to all other methods. You can in this manner float nearly as long as you please, or until a boat or other help can be obtained.

5. It is believed there is no such thing as a death-grasp; at least it is very unusual to witness it. As soon as a drowning man begins to get feeble and to lose his recollection, he gradually slackens his hold until he quits it altogether. No apprehension need, therefore, be felt on that head when attempting to rescue a drowning person.

6. After a person has sunk to the bottom, if the water be smooth, the exact position where the body lies may be known by the air-bubbles, which will occasionally rise to the surface, allowance being of course made for the motion of the water, if in a tide-way or stream, which will have carried the bubbles out of a perpendicular course in rising to the surface. A body may be often regained from the bottom, before too late for recovery, by diving for it in the direction indicated by these bubbles.

7. On rescuing a person by diving to the bottom, the hair of the head should be seized by one hand only, and the other used, in conjunction with the feet, in raising yourself and the drowning person to the surface.

8. If in the sea, it may sometimes be a great error to try to get to land. If there be a strong "outsetting" tide, and you are swimming either by yourself, or have hold of a person who cannot swim, then get on your back and float till help comes. Many a man exhausts himself by stemming the billows for the shore on a back-going tide, and sinks in the effort, when, if he had floated, a boat or other aid might have been obtained.

9. These instructions apply alike to all circumstances, whether as regards the roughest sea or smooth water.

*Directions for restoring the apparently drowned. (Reproduced from the Regulations of the United States Life-Saving Service.)*

**RULE I. Arouse the patient.**—Unless in danger of freezing, do not move the patient, but instantly expose the face to a current of fresh air, wipe dry the mouth and nostrils, rip the clothing, so as to expose the chest and waist, and give two or three quick smarting slaps on the stomach and chest with the open hand. If, however, there is reason to believe that considerable time has elapsed since the patient became insensible, do not lose further time by practising Rule I, but proceed immediately to Rule II. After loosening clothing, &c., if the patient does not revive, then proceed thus :



FIG. I. Showing the first step taken, by which the chest is emptied of air, and the ejection of any fluids swallowed is assisted.

**RULE II. To expel water, &c, from the stomach and chest.**—(See Fig. I.)—If the jaws are clinched, separate them, and keep the mouth open by placing between the teeth a cork or small bit of wood; turn the patient on the face, a large bundle of tightly-rolled clothing being placed beneath the stomach, and press heavily over it for half a minute, or so long as the fluids flow freely from the mouth.

RULE III. *To produce breathing.*—(See Fig. II)—Clean the mouth and throat of

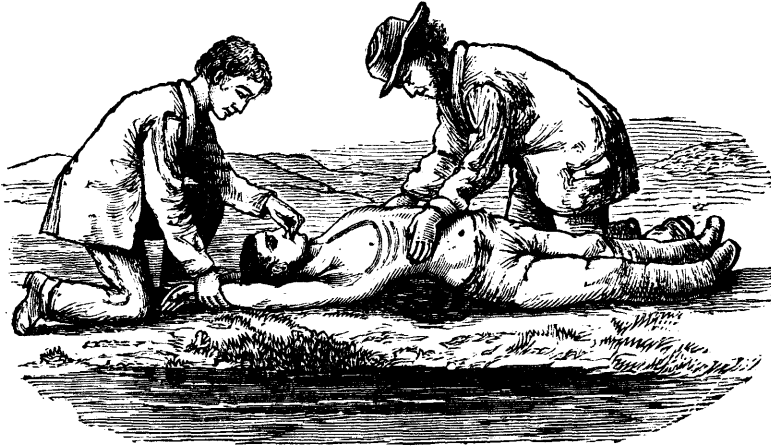


FIG. II. *Showing the position and action of the operator, in alternately producing artificial expiration and inspiration of air.*

mucus, by introducing into the throat the corner of a handkerchief wrapped closely around the fore-finger; turn the patient on the back, the roll of clothing being so placed beneath it as to raise the pit of the stomach above the level of any other part of the body. If there be another person present, let him, with a piece of dry cloth, hold the tip of the tongue out of one corner of the mouth (this prevents the tongue from falling back and choking the entrance to the windpipe,) and with the other hand grasp both wrists and keep the arms forcibly stretched back above the head, thereby increasing the prominence of the ribs, which tends to enlarge the chest. The two last named positions are not, however, absolutely essential to success. Kneel beside or astride the patient's hips, and with the balls of the thumbs resting on either side of the pit of the stomach, let the fingers fall into the grooves between the short ribs, so as to afford the best grasp of the waist. Now, using your knees as a pivot, throw all your weight forward on your hands, and at the same time squeeze the waist between them, as if you wished to force everything in the chest upward out of the mouth; deepen the pressure while you can count slowly one, two, three; then suddenly let go with a final push which springs you back to your first kneeling position. Remain erect on your knees while you can count one, two, three; then repeat the same motions as before at a rate gradually increased from four or five to fifteen times in a minute, and continue thus this bellows movement with the same regularity that is observable in the natural motions of breathing which you are imitating. If natural breathing be not restored, after a trial of the bellows movement for the space of three or four minutes, then turn the patient a second time on the stomach, as directed in Rule II, rolling the body in the opposite direction from that in which it was first turned, for the purpose of freeing the air-passages from any remaining water. Continue the artificial respiration from one to four hours, or until the patient breathes, according to Rule III; and for a while, after the appearance of returning life, carefully aid the first short gasps until deepened into full breaths. Continue the drying and rubbing, which should have been unceasingly practised from the beginning by the assistants, taking care not to interfere with the means employed to produce breathing. Thus the limbs of the patient should be rubbed, always in an upward direction towards the body, with firm-grasping pressure and energy, using the bare hands, dry flannels or handkerchiefs, and continuing the friction under the blankets or over the dry

clothing. The warmth of the body can also be promoted by the application of hot flannels to the stomach and armpits, bottles or bladders of hot water, heated bricks, &c., to the limbs and soles of the feet.

**RULE IV. AFTER-TREATMENT.**—*Externally.*—As soon as breathing is established, let the patient be stripped of all wet clothing, wrapped in blankets only, put to bed comfortably warm, but with a free circulation of fresh air, and left to perfect rest. *Internally:* Give whisky or brandy and hot water in doses of a teaspoonful to a tablespoonful, according to the weight of the patient, or other stimulant at hand, every ten or fifteen minutes for the first hour, and as often thereafter as may seem expedient. *Later manifestations:* After reaction is fully established, there is great danger of congestion of the lungs, and if perfect rest is not maintained for at least forty-eight hours, it sometimes occurs that the patient is seized with great difficulty of breathing, and death is liable to follow unless immediate relief is afforded. In such cases apply a large mustard-plaster over the breast. If the patient gasps for breath before the mustard takes effect, assist the breathing by carefully repeating the artificial respiration.

**NOTE**—Dr. Labordette, the Supervising Surgeon of the Hospital of Lisieux, in France, appears to have established that the clenching of the jaws and the semi-contraction of the fingers, which have hitherto been considered signs of death, are, in fact, evidences of remaining vitality. After numerous experiments with apparently drowned persons, and also with animals, he concludes that these are only signs accompanying the first stage of suffocation by drowning, the jaws and hands becoming relaxed when death ensues.\* This being so, the mere clenching of the jaws and semi-contraction of the hands must not be considered as reasons for the discontinuance of efforts to save life, but should serve as a stimulant to vigorous and prolonged efforts to quicken vitality. Persons engaged in the task of resuscitation are, therefore, earnestly desired to take hope and encouragement for the life of the sufferer, from the signs above referred to, and to continue their endeavours accordingly. In a number of cases Dr. Labordette restored to life persons whose jaws were so firmly clenched, that, to aid respiration, their teeth had to be forced apart with iron instruments.

*Treatment of Frost-Bites. As recommended by the Surgeon-General of the United States Marine Hospital Service.*

1. Do not bring the patient to the fire, nor bathe the parts in warm water.
2. If snow be on the ground, or accessible, taken a woollen cloth in the hand, place a handful of snow upon it, and gently rub the frozen part until the natural colour is restored. In case snow is not at hand, bathe the part gently with a woollen cloth in the coldest *fresh* water obtainable—ice-water if practicable.
3. In case the frost-bite is old, and the skin has turned black or begun to scale off, do not attempt to restore its vitality by friction, but apply carron oil on a little cotton; after which wrap the part loosely in flannel.
4. In all cases, as soon as the vitality has been restored, apply the carron oil, prepared according to Service formula. As it contains opium, do not administer morphia or other opiate.
5. In the case of a person apparently dead from exposure to cold, friction should be applied to the body and the lower extremities, and artificial respiration practised as in cases of the apparently drowned. As soon as the circulation appears to be restored, administer spirit and water at intervals of 15 or 20 minutes until the flesh feels natural. Even if no signs of life appear, friction should be kept up for a

\* The muscular rigidity of death (*rigor mortis*) occurs latter, after the temporary relaxation here referred to.

long period, as instances are on record of recovery after several hours of suspended animation.

*Carron Oil*—(Service formula) :

Olive-oil or linseed-oil (raw.)

Lime-water, of each 12 parts.

Tincture of opium, 1 part.

Mix.

#### ARTICLES OF ENGAGEMENT FOR VOLUNTEER LIFE-BOAT CREWS.

We, the subscribers, do, and each of us doth, hereby agree to and with  
 , Coxswain of Life Boat Station, in the Life Saving Service  
 of the Dominion of Canada, in manner and form following, that is to say:—

In the first place, we do hereby agree, in consideration of the compensation against each of our names hereunto set, payable at such times and in such proportions as is or may be prescribed by the Department of Marine of the Dominion of Canada for the term of one year, unless sooner discharged by the order of the Deputy Minister of Marine at Ottawa, to repair to Station on the occurrence of any wreck within the scope of the operations of said Station, or whenever notified by proper authority by signal or otherwise, and unless sooner discharged by proper authority, to the utmost of our power and ability, respectively to discharge our several duties, and in everything to be conformable and obedient to the lawful commands of the coxswain and officers who may from time to time be placed over us.

Secondly. We do also oblige and subject ourselves, and for that purpose do hereby covenant and agree to serve during the term aforesaid, and to comply with and be subject to such regulations, rules and discipline as are, or may be, established for the government of the Life Saving Service of the Dominion of Canada.

Thirdly. The said , for and in behalf of the Dominion of Canada, doth hereby covenant and agree with the parties who have hereunto severally signed their names and each of them respectively, that the said parties shall be paid, in consideration of their services, the compensation which, in the column hereunto annexed, is set opposite to each of their names respectively at such times, and in such proportions as are or may be allowed by law and the regulations for the government of the Life Saving Service.

Name.	Date of entry.	Term.	In what capacity.	Compensation. *	Remarks.
		1 year...	Boatman..	An allowance on each occasion of going out to a wreck in a Lifeboat or \$1.50 per day when attending drill.	



## APPENDIX No. 35

To the Twentieth Annual Report of the Department of Marine, being a General Summary of Expenditure for the Fiscal Year ended 30th June, 1887.

Vide Page	Service.	Amount.		Total.	
		\$	cts.	\$	cts.
1	Civil Government .....			30,899	15
2	Maintenance of lights above Montreal.....	75,890	74		
24	do between Quebec and Montreal.....	16,735	49		
31	do do .....	131,318	59		
56	do Nova Scotia .....	117,898	53		
89	do New Brunswick.....	96,425	28		
118	do Prince Edward Island.....	17,852	13		
127	do British Columbia.....	16,230	43		
23	do Cape Race.....	4,453	25		
				476,514	44
133	Construction of lights above Montreal.....	18,383	20		
134	do below Quebec .....	1,260	00		
134	do Nova Scotia .....	5,330	89		
135	do New Brunswick.....	5,280	73		
136	do Prince Edward Island.....	384	60		
136	do British Columbia .....	321	84		
	Queen's Printer, printing, etc .....		29 58		
				30,990	84
137	Dominion steamers.....			141,424	42
147	Examination of masters and mates.....			4,858	98
148	Hudson's Bay expedition .....			14,762	61
149	Investigations into wrecks, etc .....			529	14
157	Marine and Immigrant Hospital, Quebec.....			19,706	96
158	Marine hospitals and sick seamen, and shipwrecked and distressed seamen .....			52,262	21
150	Meteorological service.....	50,890	44		
156	Observatory, Montreal.....		500 00		
156	do Kingston .....		500 00		
156	do Toronto .....		5,250 30		
				57,140	74
173	Registration and survey of Canadian shipping .....			233	13
174	Removal of obstructions in navigable rivers .....			4,190	83
176	Rewards for saving life, etc .....			7,363	94
179	Signal service.....			5,082	17
180	Steamboat inspection.....			22,837	80
182	Survey Georgian Bay.....			21,592	55
183	Water police, Montreal.....	17,413	47		
183	do Quebec .....	22,935	65		
				40,349	12
186	Winter mail service, Prince Edward Island.....			6,312	93
				937,051	96

WM. SMITH,  
Deputy Minister of Marine.

F. GOURDEAU,  
Accountant.

## APPENDIX No. 36

## TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING A REPORT RESPECTING TIDAL OBSERVATIONS.

THE OBSERVATORY, TORONTO, 10th February, 1888.

The Honourable GEO. E. FOSTER,  
Minister of Marine and Fisheries,  
Ottawa.

SIR,—I have the honour to report on the question of tidal observations to be taken on the coasts of Canada, as follows :—

In considering the question, it may be well to recite concisely what steps have already been taken to bring the desirability, if not the necessity, for carrying out of these observations, before the notice of yourself and the Government. It will be within your recollection that a deputation from the Committee from the British Association for the Advancement of Science addressed a memorial to the Government, and waited upon yourself to urge the necessity for carrying out these observations. The following report, which the Committee made to the British Association, gives the position of affairs practically up to the spring of 1887; no steps having been taken between the date of report of this Committee and the last summer :

*REPORT of the Committee, consisting of Professors A. Johnson (Secretary), J. G. MacGregor, J. B. Cherriman, H. T. Bovey and Mr. C. Carpmael, appointed for the purpose of promoting tidal observations in Canada.*

The Committee have represented to the Canadian Government the importance of publishing tide-tables for Canadian waters, and the necessity for this purpose of establishing stations for continuous tidal observations, recommending that the observations be subsequently reduced by the methods of the British Association.

They have pointed to the example of the United States Government, which has provided tide-tables for both the Atlantic and Pacific coasts.

In urging the practical side of the question, they have more especially referred to the tide-tables for British and Irish ports, published by the Admiralty, which give the rate and set of the tidal currents in the waters surrounding the British Islands; and they have drawn attention to the heavy annual losses caused by ignorance of these currents in Canadian waters, as shown by the wreck list.

In order to strengthen their representation from this point of view, they deemed it well to get the opinions of Boards of Trade and shipowners and shipmasters. On inquiry it appeared that the Montreal Board of Trade were at the very time considering the question, which had been brought independently before them. On learning the object of the Committee they gave it their most hearty support, and addressed a strong memorial on the subject to the Dominion Government.

The Boards of Trade of the other chief ports of the Dominion also sent similar memorials. The shipowners and masters of ships, to whom application was made, were practically unanimous in their testimony as to the pressing need for knowledge on the subject.

The representations of your Committee were made through the Minister of Marine, with whom an interview was obtained, at which a memorial was submitted. Copies of the answers of the shipmasters (a large number of which had been received) were submitted at the same time. Full explanations, in reply to the enquiries of the Minister, were given, more especially on practical points connected with the proposed observations at fixed stations and the reductions, for which your Committee are largely indebted to a corresponding committee appointed by the Council, consisting of the Right Hon. Sir Lyon Playfair, Professor J. Couch Adams, Sir William Thomson and Professor Darwin.

During the Session of Parliament the Royal Society of Canada also addressed petitions to the Governor General and the two Houses of Parliament, strongly urging the need of tidal observations.

The reply of the Minister of Marine stated that owing to the large outlay on the Georgian Bay Survey, and on the expedition to Hudson's Bay during the past summer (1885), the Government did not propose to take action in the matter of tidal observations at present. This unfavourable answer, it will be observed, is made to depend on a temporary financial condition, and your Committee have reason to believe that if the financial prospects improve by next Session of Parliament, the Government will take the matter into earnest consideration; they therefore suggest that the Committee be re-appointed."

During the past summer I received your permission to have observations taken at various stations by means of tide staffs; the pressure of work in the Fishery Protection Service, however, prevented my doing much in this direction; observations were, notwithstanding, obtained at the following places:—

St. Andrews Pt., Georgetown Harbour, P.E.I., Mr. J. Wightman.

Pictou Bar Lighthouse, Strait of Canso, Capt. W. Ross.

Point Tupper Lighthouse, Strait of Canso, Capt. James McDonald, Light-keeper.

Louisburg Harbour, Cape Breton, Mr. P. O'Toole, Collector of Customs.

The observations consisted of eye readings of an ordinary tide staff taken at a few minutes interval about the times of high and low water, and isolated staff readings at occasional intervals during the rise and fall of the tide.

The time was obtained from either railway or telegraph station, and may be regarded as sufficiently accurate for the purpose of making the test proposed.

The observations, when reduced to mean local time, were plotted on profile paper, and curves drawn representing the tidal wave. From the curves thus drawn the times and heights of high and low water were in each case taken.

The time of high water for each of these tides was then calculated, and the tables given below are the differences (O—C.) between the observed and calculated times of high and low water, the minus sign when prefixed indicating that the calculated time was later than the observed time, or, in other words, that high water occurred earlier than predicted.

LOUISBURG HARBOUR, C. B.						PICTOU HARBOUR. Bar Point Lighthouse.					
Date.	A.M.	O—C.	Date.	A.M.	O—C.	Date.	A.M.	O—C.	Date.	A.M.	O—C.
	P.M.	L.W.		P.M.	H.W.		P.M.	L.W.		P.M.	H.W.
1887.	Minutes.		1887.	Minutes.		1887.	Minutes.		1887.	Minutes.	
Oct. 20... P.		23	Oct. 21... A.		— 19	Sept. 17... P.		1	Sept. 17... A.		— 11
21... P.		7	22... A.		— 15	18... P.		6	18... A.		— 11
22... P.		— 15	23... P.		15	19... P.		17	19... A.		— 1
24... A.		55	24... P.		— 4	A.		— 4			
25... A.		47	25... P.		10	20... P.		10	20... A.		— 12
26... A.		46	26... P.		4	A.		19			
27... P.		— 1	27... P.		— 2	21... P.		8	21... P.		4
28... P.		13	28... P.		— 16	A.		14			
29... P.		12	29... P.		— 44	22... P.		— 5	22... P.		7
31... P.		30	31... A.		— 41						
Nov. 1... P.		1	Nov. 1... A.		6	Oct. 1... P.		49	Oct. 1... P.		10
2... P.		— 21	2... A.		6				A.		— 29
3... P.		17	3... A.		17	2... P.		16	2... P.		65
4... P.		— 15	4... A.		— 4	A.			A.		5
5... P.		— 19	5... A.		— 22	3... P.		15	3... P.		— 23
						A.		39	A.		56
						4... P.		15	4... P.		4
						A.		— 5			
						5... P.		19	5... A.		12
						A.		27	A.		6
						6... P.		6	6... P.		24

PORT HAWKESBURY, STRAIT OF CANSO.				GEORGETOWN HARBOUR, P. E. I.				
<i>Point Tupper Lighthouse.</i>				<i>St. Andrew's Point Lighthouse</i>				
Date.	A.M.	O—O.		Date.	A.M.	O—O.		
	P.M.	L.W.		P.M.	H.W.			
	Minutes.			Minutes.			Minutes.	
1887.			1887.			1887.		
Oct. 12...	A.	58	Oct. 12...	A.	81	Sept 8...	P.	41
	P.	36		P.	47		A.	46
	A.	62		A.	5		P.	85
13...	P.	167	13...	P.	80	9...	A.	81
	A.	184		A.	172		P.	6
14...	P.	164	14...	P.	157	10...	A.	55
	A.	143		A.	151		P.	28
15...	P.	172	15...	P.	103	11...	A.	10
	A.	135		A.	179		P.	72
16...	P.	81	16...	P.	88	12...	A.	16
	A.	128		A.	150		P.	24
17...	P.	125	17...	P.	131	13...	A.	77
	A.	126		A.	133		P.	39
18...	P.	127	18...	P.	149	14...	A.	68
	A.	113		A.	130		P.	7
19...	P.	76	19...	P.	145	15...	A.	70
	A.	55		A.	82		P.	29
20...	P.	16	20...	P.	68	16...	A.	40
	A.	37		A.	14		P.	34
21...	P.	78	21...	P.	19	17...	A.	12
	A.	57		A.	71		P.	60
22...	P.	7	22...	P.	24	18...	A.	8
	A.	52		A.	70		P.	16
23...	P.	7	23...	P.	29	19...	A.	15
	A.	74		A.	42		P.	1
24...	P.	45	24...	P.	0	20...	A.	15
	A.	89		A.	108		P.	29
25...	P.	198	25...	P.	67	21...	A.	15
	A.	77		A.	96		P.	16
26...	P.		26...	P.	70	22...	A.	12
	A.			A.	19		P.	4
27...	P.		27...	P.		23...	A.	
	A.			A.			P.	
				A.		24...	A.	
				P.			P.	

The foregoing tables show that even at places like Louisburg, fronting directly on the Atlantic, the times of high and low water are liable to fluctuations of nearly three quarters of an hour, and if we discard from this table the five observations where the difference between the observed and calculated times exceeds thirty minutes, we have an average fluctuation without regard to sign of about fifteen minutes. At the other stations the tides are more complicated and the differences larger, particularly so in the case of the Straits of Canso, where not only does the tidal constant (Time of H. W. F. and C.) seem to be largely in error, but the differences at the several parts of the lunation vary by from two to three hours, pointing to the inadaptability of the formula used for the purpose of predicting the tides.

These observations are too few in number and too rough in their nature to found any conclusions on, but they certainly strengthen the position taken by those who say that it is desirable that the whole question of the determination of tidal constants should be taken up in Canada and a number of stations established for taking tidal observations. These tidal observations are of the greatest practical value to seamen, and in Great Britain and the United States, tide tables for the coasts are regularly prepared each year and placed for sale at the lowest possible price. In Canada no such publication is issued under the authority of the Government, but the Blue Book issued by the Department of Marine, called the List of Lights, could have

the tide tables printed in it and be sold at a low rate. The especial value which this work will have when completed, will be that by simply examining a table an intelligent ship master can not only see at what time the tide will be high or low, but in the waters of the gulf when the currents are once charted, he will be able to see at once how the tidal current is setting his ship.

The object of these observations was to endeavour to show to what extent the means now in the hands of navigators for the prediction of the tides on the coasts of Canada were in error. The results show, so far as they go, that the means of prediction are very imperfect and in some cases such as the Strait of Canso actually misleading.

In Great Britain and the United States much attention has been devoted to the examination of the question of rise and fall of tide and tidal currents, and the results are made immediately available to navigators in British waters by the Admiralty tide tables and in the United States waters by the United States Atlantic and Pacific Coasters Nautical Almanac. The Admiralty tide tables besides giving the time and height for twenty-four standard ports for each tide throughout the year, give tables of constants for determining by simple addition or subtraction of these constants from the time and height of the tide at the port of reference for the day and the time and height at almost every port throughout the Kingdom. A full description of the flow of the tide currents off the coast is also given so that the navigator can at any time determine with accuracy and despatch what currents due to tidal action are at the time affecting his ship.

In the United States publication the same system of ports of reference is adopted in the Atlantic and Pacific Coasters Nautical Almanacs, published by authority of the Secretary of the Navy. In the Atlantic Almanac the time of high water is published for fifteen standard ports of reference, and tidal constants are given by which the times at other places can be easily determined. Besides the tide tables, this publication contains as its name implies an abridged ephemeris, which is sufficient for vessels making coasting voyages or others of short duration. It also contains a condensed list of lighthouses on the Atlantic sea board of the United States, the West Indies, and the Atlantic coast of South America, together with much other information of great value to those navigating vessels on the Atlantic.

Complete tide tables for the United States can be obtained from the same dealers who supply the publications of the United States Navy Department.

In Canada we have no such official publication, except the listoflights published by the Marine Department, and it is this work which I have the honour to recommend should be used as a basis of a somewhat similar publication, to be either distributed gratis to Canadian vessels or to be sold for the actual cost of paper and printing.

The only tidal observations which have hitherto been made in Canada, are those which were made in the course of the Coast Survey by the British Admiralty Surveyors, and those were most of them made many years ago by tide staff readings, by which the times and heights of high and low water were approximately measured, and from these the standard tidal constant or time of high water, or days of full and change of the moon, determined. Besides this a self-recording tide gauge was maintained in constant operation for several years at the Imperial Naval dock yard, and in Halifax harbour. These sheets are now in the Hydrographic Office, at the Admiralty in London, but up to the present time the curves have not been measured, nor has any use been made of them.

The tidal observations, which it is desirable should be taken in Canada, are divided into two classes, viz., those for the determination of the rise and fall of the tide, and those for the measure of the direction and velocity of the flow of the tidal currents. It is not by any means necessary that these should be contemporaneously proceeded with.

For the measurement of the rise and full there are three distinct sets of observations.

The first is that for say three standard stations on the Atlantic and one on the Pacific, which should be carried out during the full period of nineteen years of ob-

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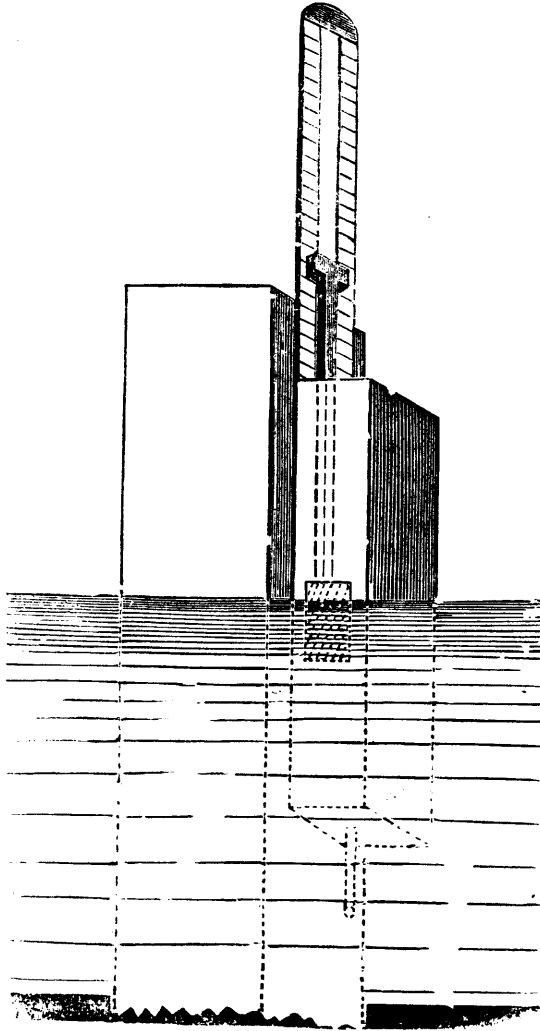
servations. These stations should be, one on the Nova Scotian coast say in the neighbourhood of Tor Bay, Guysboro' County; a second at some convenient place in the River St. Lawrence, and a third at or near the entrance to the Bay of Fundy. The fourth to be established at some future time on the Pacific Coast. These stations would be standard stations of reference, and from these the minor inaccuracies, involved by the fact that predictions must be made in the great majority of cases from short series of observations, would be corrected from time to time. The equipment for these stations would be:—

- 1 self-registering tide gauge.
- 1 comparison tide staff.
- 1 self registering aneroid barometer.
- 1 mercurial barometer.
- 1 rain gauge.
- 1 anemograph.
- 1 time piece.

The second class standard stations would be those at which a self-registering tide gauge would be erected and maintained in operation for from three to five years, depending on the success of the observations. I have the honour to recommend that there should be three of these stations, and as soon as the series of observations at any one place is shown to be sufficiently complete, the instruments can be removed and set up in another place.

The third class stations are those at which tide staffs would be temporarily erected and readings taken hourly and at high and low water more frequently, the observations being continued over a period of three or four complete lunations. In the case of these stations the fluctuations due to variations in barometric pressure can be eliminated by obtaining the barometric readings from adjacent stations of the Meteorological Service or from the weather maps used for making up the forecasts. These stations should be fairly numerous, as it is from them that the tidal constants to be applied to the predicted tides for the standard ports would be determined.

The annexed drawing shows one of these tide staffs. They are simple in construction and inexpensive, and can either be attached to a pier, or pile wharf, and if none such is convenient, can be easily erected by driving in a single pile at a suitable spot to carry the staff.



## ESTIMATE OF COST.

*Construction Estimate.*

The tide gauge will cost in Glasgow .....	\$250	
Freight, packing, &c., delivered at Halifax or Quebec...	25	
The cost of tide house and pier or necessary crib work must depend greatly on the site, and this with the erection of tide house, may safely be put at not less than .....	500	
Barograph .....	40	
Anemometer can be obtained from the Meteorological Office if required.		
Standard Mercurial Barometer can also be obtained from the Meteorological Office.		
Testing and putting instruments in position for three stations, \$300; one station.....	100	
Heater and piping .....	50	
		\$965

*Maintenance Estimate.*

Salary of observer, \$250 per year, \$125 to be regular salary, and the other to be dependant on certificate of the inspecting officer that the work has been well and carefully performed.....	250	
Hard coal for heating apparatus.....	50	
Stationery and sundries.....	50	
Unforeseen contingencies.....	50	
		400
Cost of one station of Meteorological Office supplies meteorological instruments for construction ac- count .....		965
For maintenance per annum.....		400
		<u>1,365</u>
<b>Total.....</b>		<u><u>\$1,365</u></u>

*Cost for the current year.*

I would ask that permission be granted to establish the three standard stations on the Atlantic coasts :

Cost of this say.....	\$3,000
Maintenance of 3 stations for 1 year.....	1,200
10 tide staff stations at \$200 per station, being \$50 per month for readings, for three months and \$50 for con- struction, stationery, &c .....	2,000
Travelling expenses, organising officer.....	750
Working up existing Halifax tidal records and predicting tides for 1889.....	800
Working up data from tide staff stations, 10 stations, at \$100 per station.....	1,000
	<u>\$8,750</u>
Add for unforeseen contingencies.....	1,250
	<u>\$10,000</u>



The discussion of the observations and prediction of the tides therefrom will form a separate item of expense. If Sir Wm. Thomson's Harmonic Analyser which Professor Darwin informs me is shortly to be placed in his care, proves successful in its operations, the analysis will be performed by passing the curves themselves through the machine, and then all the cost of measuring the traces and summing and meaning the ordinates is saved. It is not known yet what the actual cost will be of the mechanical analysis of the observations, but it must certainly be very much less than that which would have to be paid for arithmetical computations.

If this part of the work is performed by the Cambridge Mathematical and Scientific Instrument Company, and the results handed to Mr. Roberts, his charge for making final reductions and predicting the tides, both time and height for one year would be about £17 or say \$85 for each station.

The following is an extract from a letter of Mr. Roberts, of the Nautical Almanac Office, London, to Professor Darwin :—

“The cost of reduction of a year's curves may be estimated at £1 10s. per series and for say 16 series £24. The measurement of the heights from the tide record, the reduction of the long period tides, and the final analysis would be about £6. The cost of preparing a year's curves high and low waters, times and heights with printing and supplying 300 bound copies is about £27. If supplied in manuscript, the cost would be £10 less.”

If the work is done by arithmetical computation, the traces being measured here, and the abstracted values, corrected for changes of zero, sent to Mr. Roberts, the total cost of converting the observations into tide tables for the use of mariners, apart from the question of printing would be £47, or say with an allowance for contingencies \$250 per station.

It must, however, be borne in mind that this expense will be reduced in future years to £17 per station, this being the cost of making the predictions when once the principal tides values have been determined. This only applies to stations at which self registering tide gauges have been set up; at all the tide staff stations the tidal constants can be easily and fairly accurately determined in this country.

#### *Current Observations.*

I have not included in the estimate for the year any sum for these observations, as the first step to be taken is to determine accurately the rise and fall and subsequently or at any time when the gauges are in actual operation the cost of construction being over the money would be available for these observations without increasing the annual amount voted.

If the amount of the estimate asked for, viz., \$10,000, is granted, we will be able to publish for 1889, the Halifax tide tables and tidal constants for a number of ports, and before the close of the calendar year three self registering gauges would be at work, the results from the first year's records of which might be available for the prediction of the tides for the year 1890; each succeeding year would have its quota of ten tide staff stations, and in 1889 a second batch of these self registering stations would be established, the instruments from which would be moved to other places as soon as a sufficiently lengthened series had been obtained to enable the tides to be predicted with sufficient accuracy.

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

ANDREW R. GORDON.

## APPENDIX No. 37

To the Twentieth Annual Report of the Department of Marine, being a Statement respecting the Marine Hospitals, for the Fiscal Year ended 30th June, 1887.

Hospital.	Medical Superintendent.	Patients Admitted.	Patients Discharged. Cured or Relieved	Patients died in Hospital.	Patients Remaining for Treatment.
Bathurst, N.B.....	G. M. Duncan, M.D.....	11	11	.....	.....
Miramichi, N.B.....	J. S. Benson, M.D.....	31	30	.....	1
Richibucto, N.B.....	J. W. Doherty, M.D.....	9	9	.....	.....
Sackville, N.B.....	H. S. Trueman, M.D.....	11	10	.....	1
St. Andrews, N.B.....	S. T. Gove, M.D.....	2	2	.....	.....
St. John, N.B.....	L. B. Botsford, M.D.....	149	134	2	13
Lunenburg, N.S.....	S. Jacobs, M.D.....	16	13	.....	3
Pictou, N.S.....	John McMillen, M.D.....	24	22	.....	2
Point Tupper, N.S.....	P. A. McDonald, M.D.....	10	9	.....	1
Sydney, N.S.....	A. D. MacGillvary, M.D.....	41	40	.....	1
Yarmouth, N.S.....	A. M. Perrin, M.D.....	1	.....	.....	1
Souris, P.E.I.....	E. P. Ford, M.D.....	Nil.	.....	.....	.....
Victoria, B.C.....	John C. Davie, M.D.....	52	52	.....	.....

WM. SMITH,  
Deputy Minister of Marine.

## APPENDIX No. 38

TO THE TWENTIETH ANNUAL REPORT OF THE MARINE DEPARTMENT, BEING LIST OF SIGNALLING STATIONS IN CONNECTION WITH THE TELEGRAPH SYSTEM OF CANADA, UNDER CONTROL OF THE MARINE DEPARTMENT.

Name of Station.	Signals in use.	Location.	Marine miles below Quebec, approximate.
L'Islet Telegraph Office.....	Flags .....	South Shore of River and Gulf of St. Lawrence.....	43
Rivière du Loup Lighthouse.....	Semaphore and Flags .....	do .....	85
Brandy Pots Lighthouse .....	do .....	do .....	85
Father Point Lighthouse.....	Flags .....	do .....	155
Little Metis Lighthouse.....	do .....	do .....	175
Matane Lighthouse.....	do .....	do .....	196
Cape Chatte Lighthouse.....	do .....	do .....	230
Martin River Lighthouse.....	do .....	do .....	255
Cape Magdalen Lighthouse.....	do .....	do .....	290
Fame Point Lighthouse.....	do .....	do .....	320
Cape Rosier Lighthouse .....	do .....	do .....	354
Cape Despair Lighthouse.....	do .....	Gaspé Coast of Gulf.....	384
P'oint Maquereau Lighthouse.....	do .....	do .....	408
Portneuf Lighthouse.....	do .....	North Shore of River and Gulf of St. Lawrence.....	130
Manicouagan Telegraph Station.....	do .....	do .....	120
Point de Monts Lighthouse.....	do .....	do .....	220
Egg Island Lighthouse .....	do .....	do .....	240
*West Point Lighthouse.....	do .....	Island of Anticosti.....	328
*South West Point Lighthouse.....	do .....	do .....	356
*South Point Lighthouse.....	do .....	do .....	413
*Heath Point Lighthouse.....	do .....	do .....	435
*Amherst Island Lighthouse.....	do .....	Magdalen Islands.....	475
*Etang du Nord Lighthouse.....	do .....	do .....	475
*Grosse Isle Telegraph Office.....	do .....	do .....	475
*Bird Rocks Lighthouse.....	do .....	do .....	480
Point Escuminac.....	do .....	New Brunswick.....	484
*Meat Cove Telegraph Office, near Cape St. Lawrence (the landing place of Magdalen Islands cable) .....	do .....	Cape Breton, Nova Scotia....	580
Low Point Lighthouse.....	do .....	do .....	575
*Cape Ray Lighthouse.....	do .....	Newfoundland.....	551

## RULES AND REGULATIONS.

1st. Vessels exhibiting their distinctive numbers will have their names transmitted to the local press (for publication only) free of charge.

2nd. Despatches to or from vessels within signalling distance, by the international code, either by flags or semaphores, will be duly delivered as addressed.

3rd. Despatches will be charged for at the ordinary telegraph rates, between stations; but no charge will be made for signalling between coast stations and vessels at sea,

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4th. Despatches may (by special request) be delivered in cipher, otherwise they will be transmitted in ordinary language.

5th. Vessels may obtain information as to winds, weather and ice at any signal station within the River and Gulf of St. Lawrence free of charge.

6th. The stations marked thus (\*) are kept specially informed respecting the state of navigation in the River and Gulf during the months of April and May.

WM. SMITH,

*Deputy Minister of Marine.*

H. J. McHUGH,  
Inspector Signal Service.

## APPENDIX No. 39

TO THE TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE, BEING REPORT ON THE DECAYED PILOT FUND OF MONTREAL, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

HARBOUR COMMISSIONERS' OFFICE,

MONTREAL, 24th January, 1888.

SIR,—I have the honour to transmit for the information of the Honourable the Minister of Marine, the following statement of the receipts and disbursements of the "Montreal Decayed Pilots Fund," for the year ending 31st December, 1887.

*Receipts.*

For poundage collected at Montreal.....	\$2,507 24	
do do Three Rivers .....	74 83	
do do Sorel, 1886-87.....	46 20	
do sandry small amounts.....	17 92	
From interest on investments and on cash in bank, &c .....	2,399 32	
		<u>\$5,045 51</u>

*Disbursements.*

Paid pensions to old and infirm pilots and widows of pilots .....	\$3,070 00	
Paid exchange on Three Rivers and Sorel drafts .....	0 53	
		<u>\$3,070 53</u>
Showing a net increase for the year of.....		<u><u>\$1,974 98</u></u>

There have been as pensioners on the Fund during the year, four old pilots and eighteen widows of pilots, of whom Dame Gilles Eugénie Gauthier, widow of the late Antoine Félix Hamelin, pilot, is reported to have died on the 25th December.

The scale of pensions was considered by the Commissioners twice during the year, with the result, that on the 31st August, the allowance to the old pilots was increased from \$200 to \$300 per annum, said increase to date back to the payment made on 1st May; while on the 10th November, it was decided that the pensions of widows should be increased one-third, to date from the payment due on 1st February, 1888.

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Of the eighteen widows, thirteen have received during the past year \$112 per annum, three have received \$96 per annum, and two have received \$88 per annum, paid quarterly on the 1st February, 1st May, 1st August and 1st November.

The scale for widows' pensions is fixed by length of service of their late husbands.

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

ALEXANDER ROBERTSON,  
*Secretary.*

Wm. SMITH, Esq.,  
Deputy Minister of Marine,  
Ottawa.

CR.

H. D. WHITNEY, Treasurer, in account with the Decayed Pilot Fund.

DR.

1887.		\$	cts.	1887.		\$	cts.
Jan. 1	To Balance brought forward.			Feb. ...	By Paid 3 months' pensions, to 1st February:—		
May 31	Poundage collected at Montreal, for May	7,291	24	Jan. 7	Old Pilot Adolphe Lisé (3 mos, to 1st Nov, 18-6)	50	00
		211	63	do 28	Widow Isidie Beaudry	28	00
				do 28	Old Pilot Joseph Dusureau	50	00
				Feb. 1	Widow Zéphirin Boudreau	28	00
				do 1	do Hubert Lemai	28	00
				do 1	do Moïse Biron	22	00
				do 1	Old Pilot J. B. Dorval	50	00
				do 1	Widow Edouard Boudreau	28	00
				do 1	do Olivier Abelle	28	00
				do 1	do Eusèbe Toupin	24	00
				do 2	do David Bouille	22	00
				do 2	do David Mathieu	24	00
				do 2	do Narcisse Bouille	28	00
				do 2	do Sévère Bellisle	28	00
				do 2	do Louis Narcisse Bouille	28	00
				do 2	do Placide Gaillardet	28	00
				do 3	Old Pilot Onésime Naud	50	00
				do 3	Widow Félix Hamelin	28	00
				do 7	do Olivier Raymond	28	00
				do 11	do Edouard Naud	24	00
				do 16	do Zéphirin Mayrand	28	00
				April 22	Paid 3 months' pensions, to 1st May:—		
				do 28	Old Pilot Adolphe Lisé (3 months, to 1st Feb.)	50	00
				do 28	do Joseph L. Dusureau	50	00
				do 30	Widow Isidie Beaudry	28	00
				May 1	do David Mathieu	28	00
				do 1	do Moïse Biron	24	00
				do 1	do Sévère Bellisle	22	00
				do 1	do Edouard Boudreau	28	00
				do 1	do David Bouille	28	00
				do 1	do Eusèbe Toupin	22	00
				do 1	do Narcisse Bouille	24	00
				do 1	do Louis Narcisse Bouille	28	00
				do 1	do Zéphirin Mayrand	28	00
				do 1	do Zéphirin Boudreau	28	00
				do 2	Old Pilot J. B. Dorval	50	00
				do 2	Widow Placide Gaillardet	28	00
				do 2	do Olivier Abelle	28	00
				do 2	do Hubert Lemai	28	00
				do 3	Old Pilot Adolphe Lisé	50	00
				do 3	Widow Félix Hamelin	28	00

50 00  
24 00  
28 00  
28 00

1,382 00

Old Pilot Onésime Naud .....  
Widow Edouard Naud .....  
do Olivier Raymond .....  
do Hector Hamelin.....

Carried forward..... \$

do 3  
do 5  
do 31  
June 10

7,502 87

Carried forward..... \$



DR. ALEXANDER ROBERTSON, Treasurer, in account with the Decayed Pilot Fund. CR.

1887.		\$ cts.	1887.		\$ cts.
	Brought forward.....	7,502 87		Brought forward.....	1,332 00
June 30	To Poundage collected at Montreal for June.....		Aug.	By Paid 3 months' pensions to 1st August —	
July 4	Harbour coupons for 1887—	429 68	do 1	Old Pilot Onésime Naud.....	50 00
	Series P, No. 81 <i>t.c.</i> , 2, at \$80.....		do 1	Widow Félix Hamelin.....	28 00
	do R, do 117-119 <i>t.c.</i> , 6, at \$30....		do 1	do Olivier Abelle.....	28 00
	do M, do 154-156 do 6, at \$32.50		do 1	do Hubert Lemal.....	28 00
	do N, do 36-43 do 16, at \$68....		do 3	do Zéphirin Boudreau.....	28 00
	do D, do 45-49 do 10, at \$25....		do 3	Old Pilot J. B. Dorval.....	50 00
	5 per cent. interest on Corporation Stock for 1887..	1,785 00	do 4	Widow Edouard Naud.....	24 00
	Proceeds Montreal Water Works Bond	250 00	do 5	Old Pilot Adolphe Lisé.....	20 00
	matured.....		do 5	Widow Sévère Bellisé.....	28 00
	1 coupon on do .....	60 00	do 5	do Eusèbe Toupin.....	24 00
	Poundage on U.S. "Galena," up.....	2,060 00	do 5	do Narcisse Bouille.....	28 00
	do collected at Montreal for July.....	2 23	do 5	do David Mathieu.....	22 00
	do on U.S. "Galena," down.....	443 90	do 5	do David Bouille.....	28 00
	do French "La Minerve," up.....	2 23	do 5	do Narcisse Bouille.....	28 00
	do on an American propeller taken up by	2 87	do 5	do Placide Gaillardet.....	28 00
	Treflé Toupin.....		do 5	do Isidre Beaudry.....	28 00
	do collected at Montreal for August.....	0 94		Widow Edouard Boudreau.....	50 00
	do on "La Minerve," down.....	428 75		do Moise Bron.....	22 00
	do collected at Montreal for September....	2 87		do Zéphirin Mayrand.....	28 00
	do on H.M.S. "Tourmaline," up and down..	377 26		do Olivier Raymond.....	28 00
	do collected at Montreal for October.....	4 83		Old Pilot Adolphe Lisé, extra pension due 1st May,	
	do collected at Three Rivers for 1887.....	349 89		and 1st August, paid 22nd September, 1886, as	
	do collected at Montreal for November.....	74 83		per receipt to Mr. Whitney.....	
	do collected at Montreal for December.....	266 13		Old Pilot Onésime Naud, extra pension due 1st May,	
	do collected on steamer "Polina," up.....	1 95		and 1st August, paid 3rd February and 3rd May,	
	do collected at Sorel from Dec. 3, 1886, to			Old Pilot J. B. Dorval, extra pension due 1st May,	
	Nov. 10, 1887.....	46 20		and 1st August.....	50 00
	Balance of interest from City and District Savings			Old Pilot Jos. L. Dussureau, extra pension due 1st	
	Banks, &c., to 31st December, on cash balance	149 32		May and 1st August.....	50 00
	uninvested.....			By Paid 3 months' pensions to 1st November—	
			Oct. 29	Widow Hubert Lemal.....	28 00
			do 29	do Olivier Abelle.....	28 00
			Nov.	Old Pilot Onésime Naud.....	75 00
			do 2	Widow Zéphirin Boudreau.....	28 00
			do 2	do Félix Hamelin.....	28 00
			do 4	do Zéphirin Mayrand.....	28 00
			do 4	Old Pilot J. B. Dorval.....	75 00
			do 4	Widow Narcisse Bouille.....	28 00

do	4	Sévère Bellisle.....	28 00
do	4	do Narcisse Bouille.....	28 00
do	4	do David Bouille.....	22 00
do	4	do Placide Gaillardet.....	28 00
do	4	do Isale Beaudry.....	28 00
do	4	do Eusebe Toupin.....	24 00
do	4	do Moise Biron.....	22 00
do	4	do Edouard Boudreau.....	28 00
do	4	do Old Pilot Joseph L. Duesneau.....	75 00
do	4	do Widow David Mathieu.....	24 00
do	5	do Hector Hamelin, 3 months to 1st May.....	28 00
do	5	do do do 3 months to 1st August.....	28 00
do	5	do do do 3 months to 1st November.....	28 00
do	18	do Edouard Naud.....	24 00
do	25	Paid for draft sent up by Collector of Customs, Three Rivers.....	0 25
do	25	Widow Olivier Raymond.....	28 00
do	22	Old Pilot Adolphe Lisé.....	75 00
Dec.		Amount deducted by Jos. Mathieu, Collector of Customs, Sorel, for draft, &c.....	0 28
Dec.	31	Paid for Harbor Debentures, Series F, 30 years, 4 per cent., dated 5th July, 1887, purchased 5th July, at 98½ per cent., Nos. 164-168 inclusive, \$5,000....	4,925 00
		Paid for Harbour Debentures, purchased 31st Dec. (with coupons for current interest, due 5th Jan., 1888, attached), Nos. 169-172, \$4,000, at 98 per cent.....	3,920 00
		Balance to January, 1888.....	2,266 22
		<b>Total.....</b>	<b>14,181 75</b>

## STATEMENT of Fund, 1887.

No.	Series.		\$	cts.
154-156	M .....	Montreal Harbour Debentures, 6 $\frac{1}{2}$ per cent., 3 at \$1,000.....	3,000	00
36-43	N .....	do do 6 $\frac{1}{2}$ do 8 at 2,000.....	16,000	00
81	P .....	do do 6 do 1 at 2,000.....	2,000	00
117-119	R .....	do do 6 do 3 at 1,000.....	3,000	00
45-49	D .....	do do 5 do 5 at 1,000.....	5,000	00
164-172	F .....	do do 4 do 9 at 1,000.....	9,000	00
		City of Montreal Consolidated Fund, 5 per cent., 50 at \$100.....	5,000	00
		Cash in City and District Savings Bank, at 3 per cent. ....	2,108	92
		Cash on hand.....	157	30
		Total.....	45,266	22

ALEXANDER ROBERTSON,

*Treasurer.*

MONTREAL, 31st December, 1887.

We hereby certify that we have examined the statement of receipts and disbursements of the Treasurer of "The Montreal Decayed Pilot Fund," for the year ended 31st December, 1887; also the securities mentioned in the above statement, as belonging to this Fund, and the cash on hand, all of which we find to be correct.

RIDDELL &amp; COMMON,

*Auditors.*

MONTREAL, 8th February, 1888.

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**SUPPLEMENT**

TO THE

TWENTIETH ANNUAL REPORT OF THE DEPARTMENT OF MARINE  
BEING FOR THE FISCAL YEAR ENDED 30TH JUNE, 1887.

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**REPORTS**

OF THE

CHAIRMEN OF THE BOARDS OF

**STEAMBOAT INSPECTION**

AND EXAMINERS OF MASTERS AND MATES,

THE

TORONTO, MONTREAL, QUEBEC AND PICTOU

**HARBOUR COMMISSIONERS,**

THE PILOTAGE AUTHORITIES,

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

CHIEFLY UP TO THE

31 DAY OF DECEMBER, 1887.

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*PRINTED BY ORDER OF PARLIAMENT.*

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OTTAWA:

PRINTED BY BROWN CHAMBERLIN, QUEEN'S PRINTER AND CONTROLLER OF STATIONERY.  
1888.

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A. SENECAI,  
SUPERINTENDENT OF PRINTING.

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## SUPPLEMENT.

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The Hon. GEO. E. FOSTER,  
Minister of Marine and Fisheries.

SIR,—I have the honour to submit herewith Supplement to the Twentieth Annual Report of the Department of Marine, being for the year 1887, 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, certain Port Wardens, and on the Harbour Police of Montreal and Quebec, together with Statement of Wrecks and Casualties and List of Awards for Saving Life.

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

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

WM. SMITH,  
*Deputy Minister of Marine.*



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## APPENDIX No. I.

## STEAMBOAT INSPECTION.

SUPERVISING INSPECTOR'S OFFICE,  
TORONTO, 1st January, 1888.

HON. GEORGE E. FOSTER,  
Minister of Marine and Fisheries.

SIR,—I beg leave to submit herewith my annual report, for the year ended 31st December, 1887.

Referring to casualty returns, the loss of the propeller "California" is the most serious reported, involving the loss of two passengers, the purser, two fireman, the ladies' maid, the cook, a cabin boy, and a deck hand—nine lives in all.

The vessel foundered near St. Helena Island, Lake Michigan, about 1 a.m., on the 4th October last. She was built at Hamilton, Ontario, in 1870, and was lengthened 35 feet in 1882. She registered 902 tons gross, was owned by Messrs. Crangle & Geddes, of Toronto, and classed as a passenger and freight boat. She had at the time of the disaster 20,000 bushels of corn, and 700 barrels of pork on board. The cause of the loss is attributed to stress of weather and doubtful seamanship. An investigation into the cause of the loss has been instituted by Order in Council, the result of which has not yet been made known to the public.

June 17th. The C. P. R. steamer "Athabasca," ran on Cove Island, Lake Huron, in a fog. She was got off without material injury to the vessel.

August 4th. The steamer "Hiawatha," of Sarnia, Ontario, while lying at the wharf at Port Huron, Michigan, U.S., was burned to the water's edge. She has since been repaired.

August 19th. The propeller "Celtic," of Hamilton, broke the crank-pin of her engine. No other damage resulted.

September 13th. A collision occurred on Toronto Bay between the steamers "Sadie," "Queen City," and "Gertrude," passenger ferry boats running between the city and the Island, resulting in the sinking of the "Gertrude" and the loss of one life. An investigation into the cause was ordered, but the result is not reported.

September 15th. The steamer "D. Foster," a small passenger boat, owned by David Foster, of Port Burwell, was burned at Port Burwell; a total loss.

September 23rd. The "Ada E. Allen," a freight barge, was burned at Amherstberg; a total loss.

October 3rd. Propeller "Albion," of St. Catharines, Ont., stranded between Grindstone City and Port Austin, Lake Huron. Her crew, 12 in number, were rescued by the life-saving crew at Grindstone City.

October 19th. Propeller "Lincoln," built at St. Catharines, 1872, owned by James Norris, of that place, stranded near the Fishing Islands, east coast of Lake Huron. The vessel was loaded with railway ties, and bound for Chicago. Vessel a total loss; no lives lost.

October 24th. Propeller "City of Owen Sound," a passenger and freight boat, built at Owen Sound, Ontario, in 1875, owned by the Canada Lake Superior Transit Company, of Collingwood, Ontario, struck a rock at Clapperton Island, Georgian

Bay, during a snow storm, and sunk in 103 feet of water. She had on board 24,000 bushels of corn in the hold, and a deck load of fish. Vessel and cargo a total loss; no lives lost.

October 25th. The schooner "Oriental," in tow of the propeller "Scotia," foundered off Port Dalhousie, Lake Ontario, in a furious gale of wind. The crew, five in number, were all lost. An investigation into the cause of this disaster has been made by Order in Council provided for under provisions of the Steamboat Inspection Act. Acting as commissioner in the enquiry, I have reported to the Minister of Marine and Fisheries the result of the investigation.

November — Tug "Steve H. Lyon" burned in the Welland Canal; total loss.

November 25th. Tug "C. J. G. Munro" partially burnt in the Welland Canal.

December — Passenger steamer "C. H. Merritt," of Chatham, Ontario, burned at Chatham; a total loss.

#### KINGSTON DIVISION.

No accidents involving loss of life have occurred in this division.

A break down in the engine of the steamer "Pierrepont" occurred in April. A collision between the steamer "Nile" and tug "Antelope," resulting in the sinking of the "Nile," occurred on the Bay of Quinté in August; a break in the engine of the "Alexandria" in the same month, and the total loss of the tug "Coboconk" by fire, are the casualties reported.

#### MONTREAL DIVISION.

No loss of life reported in this division. The total loss by fire of the tugs "St. George," "Buckingham" and "Levi Young," and the sinking of the steamer "Lady Forrest," near the village of Buckingham; no cause given. The burning of the ferry boat "Raftman," running between Caughnawaga and Lachine; also, the burning of the steam barge "Rose" at Montebello, make up the list of casualties in this division.

#### QUEBEC DIVISION.

No loss of life reported in this division. Accidents to the engine and machinery, not endangering life, occurred on the steamers "Quebec," "Canada," "Union," "Etoile," "St. Croix" and "Brothers."

#### NOVA SCOTIA, NEW BRUNSWICK AND PRINCE EDWARD ISLAND DIVISION.

Mr. Inspector Stevens reports the following casualties in the Nova Scotia and New Brunswick division:—Freight steamer "Sir John" burnt in the Bay of Fundy, one of the crew drowned. Tug "Xiphias" burnt at Fredericton, N. B. Passenger steamer "Hiawatha," of Windsor, N. S., broke her machinery between Hantsport and Windsor, and had to return to Hantsport for repairs.

Mr. Inspector Coker reports the iron steamer "Secret," while on her passage from Digby, N. S., to St. John, N. B., struck the ground, damaging her stern, garboard plates, angle irons, &c., of her bottom. She was docked for repairs at Portland, Maine, in June, 1887.

The paddle steamer "City of St. John" grounded at the wharf in Barrington Passage, N. S., receiving some damage. She was put on the railway slip at Dartmouth, N. S., and thoroughly repaired, bottom caulked, &c.

No loss of life is reported in the above division.

#### BRITISH COLUMBIA DIVISION.

July 7th. The steamer "Duchess," on the passage from Golden to Kootenay, sunk in the Fraser River.

November 9th. The steamer "Pearl" sunk on her passage from the North Arm to Burrard Inlet.

November 28th. The steamer "Gladys" sunk at the dock at New Westminster.

No explanation is given by the inspector as to the cause of these disasters, or what resulted from them, either to life or property.

#### MANITOBA AND NORTH-WEST DIVISION.

No loss of life is reported in this division, other than that of an insane person who escaped from his keepers on the steamer "Glendevon," and jumped overboard and was drowned.

The tug "Thistle" sunk at Fort Francis in July; cause of the sinking not given.

The operation of the amendments to the Act made by Parliament in 1886, have worked satisfactorily. The increased working pressure demanded for steam-boat boilers, to meet the requirements of the compound engine, necessitate some enlargement of our present rules to meet the higher limit of strength allowed for steel used in boilers under certain conditions of manufacture and tests. The want of testing machines is very much felt by inspectors in such cases, as they must accept the manufacturer's statements of strength of material, or refuse the certificate on the ground of want of proof.

The importance of this may be judged by the fact that the Imperial Board of Trade rules allow 9,000 pounds as the limit of stress for steel stays against 6,000 pounds, our limit. A boiler manufactured in England and passed for 150 pounds, working pressure, would be cut down to 100 pounds by our law relating to stay power.

At the instance of the Auditor General, regulations have been adopted by the Department requiring inspectors to make monthly returns to the chairman of certificates of inspection issued by them, to owners and masters of steamboats, in view of accounting for the dues and fees paid to collector of customs on that account.

Similar returns are also required of examiners of engineers of fees received for certificates of competency, which are to be deposited by them to the credit of the Government, and accounted for monthly to the chairman, who is to account for them in like manner to the Department.

The system of these returns will, I think, work satisfactorily, both in the interest of the public and of the Department.

The following tables, relating to steam vessels in the Dominion, dues and fees collected on account of their inspection, receipts in full on account of the same, including fees from engineers, steam vessels added to the Dominion, and engineers' certificates issued during the year 1887, including those issued during that year for the year previous to avoid lapsing, are appended.

I am, Sir,

Your most obedient servant,

SAMUEL RISLEY,

*Chairman Board of Steamboat Inspectors.*

3

NUMBER and Gross Tonnage of Steam Vessels in the Dominion, during the Year ended 31st December, 1887.

Divisions.	Number of Steamers.	Gross Tonnage.
West Ontario, Huron and Superior.....	307	57,168·91
Kingston.....	129	16,091·25
Montreal.....	148	19,345·00
Quebec.....	154	42,529·00
Maritime Provinces.....	153	23,161·96
Manitoba, Keewatin and North-West Territories.....	61	5,874·91
British Columbia.....	79	10,725·40
Total.....	1,031	174,898·43

DUES and Fees collected on account of Steamboat Inspection, during the Year ended 31st December, 1887.

Divisions.	\$	cts.
West Ontario, Huron and Superior.....	3,745	19
Kingston.....	1,292	78
Montreal.....	1,387	64
Quebec.....	2,273	08
Maritime Provinces.....	1,413	11
Manitoba, Keewatin and North-West Territories.....	526	49
British Columbia.....	1,063	21
Total.....	11,671	50

RECEIPTS on account of Steamboat Inspection, during the Year ending 31st  
December, 1887.

	\$	cts.	\$	cts.
West Ontario, Huron and Superior—				
Steamboat Inspection fees and dues .....	3,745	19		
Engineers' fees .....	519	00		
			4	264 19
Kingston—				
Steamboat Inspection fees and dues .....	1,292	78		
Engineers' fees .....	138	00		
			1,430	78
Montreal—				
Steamboat Inspection fees and dues .....	1,357	64		
Engineers' fees .....	143	00		
			1,500	64
Quebec—				
Steamboat Inspection fees and dues .....	2,273	08		
Engineers' fees .....	206	00		
			2,479	08
Maritime Provinces—				
Steamboat Inspection fees and dues .....	1,413	11		
Engineers' fees .....	271	00		
			1,684	11
Manitoba and Keewatin—				
Steamboat Inspection fees and dues .....	526	49		
Engineers' fees .....	16	00		
			542	49
British Columbia—				
Steamboat Inspection fees and dues .....	1,063	21		
Engineers' fees .....	89	00		
			1,152	21
Total Receipts .....			13,053	50

STEAM Vessels added to the Dominion during the Year ended 31st December, 1887.

Divisions.	Number of Vessels.	Gross Tons.	Registered Tons.
West Ontario, Huron and Superior .....	37	989·78	680·32
Kingston .....	5	313·09	157·94
Montreal .....	4	370·00	243·00
Quebec .....	9	109·91	70·13
Maritime Provinces .....	10	601·85	305·61
Manitoba, Keewatin and North-West Territories .....	8	343·70	352·69
British Columbia .....	8	695·49	460·85
Totals .....	81	3,426·82	2,270·54

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**ENGINEERS' Certificates issued during the Year 1887, their Classification and Grade.**


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First Class .....	45
Second Class .....	238
Third Class .....	502
Fourth Class.....	73
<b>Total.....</b>	<b>858</b>

---

**NUMBER and Gross Tonnage of Steam Vessels in the Dominion, during the Year ended 31st December, 1887.**


---

Divisions.	Number of Steamers.	Gross Tonnage.
West Ontario, Huron and Superior.....	305	57,138·00
Kingston.....	128	15,907·67
Montreal.....	148	19,345·00
Quebec.....	144	41,787·00
Maritime Provinces.....	150	20,950·67
Manitoba, Keewatin and North-West Territories.....	61	5,874·91
British Columbia.....	69	9,513·56
	<b>1,005</b>	<b>170,516·81</b>

---

**DUES and Fees collected on account of Steamboat Inspection, during the Year ended 31st December, 1887.**


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Divisions.	\$	cts.
West Ontario, Huron and Superior.....	3,505	46
Kingston.....	1,267	21
Montreal.....	1,254	64
Quebec.....	2,180	40
Maritime Provinces.....	1,961	47
Manitoba, Keewatin and North-West Territories.....	526	49
British Columbia.....	927	07
	<b>10,912</b>	<b>75</b>

---

**STEAM Vessels added to the Dominion during the Year ended 31st December, 1887.**

Divisions.	Number of Vessels.	Gross Tons.	Registered Tons.
West Ontario, Huron and Superior.....	35	958·87	659·30
Kingston.....	4	132·51	59·78
Montreal.....	4	370·00	243·00
Quebec.....			
Maritime Provinces.....	7	384·87	278·65
Manitoba, Keewatin and North-West Territories.....	8	343·70	227·42
British Columbia.....	5	536·12	352·69
	63	2,726·07	1,820·84

**RECEIPTS on account of Steamboat Inspection, during the Year ended 31st December, 1887.**

Divisions.	\$ cts.	\$ cts.
West Ontario, Huron and Superior— Steamboat inspection, dues and fees.....	3,505 46	
Engineers' fees.....	480 00	3,985 46
Kingston— Steamboat inspection, dues and fees.....	1,267 22	
Engineers' fees.....	132 00	1,399 22
Montreal— Steamboat inspection, dues and fees.....	1,254 64	
Engineers' fees.....	35 00	1,289 64
Quebec— Steamboat inspection, dues and fees.....	2,180 40	
Engineers' fees.....	53 00	2,233 40
Maritime Provinces— Steamboat inspection, dues and fees.....	1,261 47	
Engineers' fees.....	183 00	1,444 47
Manitoba, Keewatin and North-West Territories— Steamboat inspection, dues and fees.....	526 49	
Engineers' fees.....		526 49
British Columbia— Steamboat inspection, dues and fees.....	927 07	
Engineers' fees.....	47 00	974 07
<b>Total Receipts..</b>		<b>11,852 75</b>

**ENGINEERS' Certificates issued during the Year 1887, their Classification and Grade.**

First class.....	33
Second class.....	170
Third class.....	312
Fourth class.....	72
<b>Total Number.....</b>	<b>617</b>



STEAMBOAT Engineers' Examinations and Renewals during the year ended 31st December, 1887, the name of the Engineer, Class, and the Fee paid.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.			1887.		
<i>Certificates issued to Engineers by the Honorable The Minister of Marine and Fisheries during the year 1887, under the Act 49 Victoria, chap. 34.</i>			<b>B</b>		
<b>A</b>			Baird, James.....	3	1
Aston, Joseph.....	4	1	Brown, James, No. 2.....	3	1
Aston, John Whitemore.....	2	1	Booth, John Jenner.....	3	1
Anderson, James Peter.....	3	1	Bampton, William.....	3	1
Adams, Thomas Alexander.....	3	1	Banks, James D.....	3	1
Andrew, Alexander George.....	4	1	Burrows, Charles.....	3	1
Allison, William H.....	3	1	Brown, James Harvey.....	2	1
Audette, Pierre.....	3	1	Blondin, Moses.....	2	1
Armstrong, John.....	3	1	Bracken, James.....	3	1
Allison, James L.....	3	1	Bennett, Alfred.....	2	1
Andrews, Hugh.....	3	1	Beck, William.....	4	5
Allen, Harmon.....	2	1	Baillie, Frederick M.....	3	5
Anderson, John.....	3	1	Brownley, Harry.....	4	5
Anderson, James.....	3	1	Barton, Alexander.....	4	1
Alexander, Neil Livingstone.....	1	1	Bourke, Michael.....	3	1
Ailen, George Wyman.....	3	5	Barlow, Thomas.....	2	1
Andrew, Alexander George.....	3	5	Beyer, Julius.....	3	1
<b>B</b>			Braund, Richard H.....	2	1
Brown, George, No. 3.....	3	1	Braund, Samuel H.....	3	1
Belson, William.....	3	1	Black, Robert John.....	2	1
Bradshaw, William.....	3	1	Bélanger, Eugène.....	3	1
Boyd, David.....	3	1	Beaudoin, Luc.....	3	1
Barron, George.....	2	1	Bolduc, Jean Bpte.....	3	1
Baillie, Henry.....	3	1	Boufort, Xavier.....	3	1
Booth, John.....	2	1	Bélanger, Germain.....	3	1
Bampton, James.....	3	1	Battelle, Frederick.....	3	1
Brisbin, Samuel.....	2	1	Boyd, George.....	3	1
			Boyd, Isaac.....	2	1
			Burke, Thomas.....	3	1

## STEAMBOAT Engineers' Examinations and Renewals, &amp;c.—Continued.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		\$	1887.		\$
<b>B</b>			<b>C</b>		
Barrington, John Gaskin.....	2	5	Corrin, John Fletcher.....	3	1
Blethen, Charles.....	3	1	Cameron, Allan John.....	2	1
Brownrigg, John.....	3	1	Campbell, George K.....	3	1
Bourne, Frank William.....	3	1	Carl, Milo Augustus.....	3	1
Barton, William Irving.....	1	1	Cameron, Angus Allan.....	2	1
Boutellier, Thomas Samuel.....	1	1	Conrick, Thomas.....	3	1
Batt, George Edwin.....	3	1	Cartmill, Nathaniel.....	4	5
Eatt, Frank Charles.....	3	1	Callaghan, Thomas Verlin (failed).....		5
Benson, Thomas.....	2	1	Cahan, Frank De Wolf.....	2	5
Belaire, François.....	3	1	Creighton, Henry O.....	2	5
Beaudreau, Gilbert.....	3	1	Champagne, Edouard O.....	1	1
Bonar, John.....	3	1	Carney, Ambrose.....	4	5
Blain, Thomas James.....	4	5	Chestnut, James.....	2	1
<b>C</b>			Cole, Thomas Bonney.....	3	1
Cahoon, William Ross.....	3	1	Carboneau, Phidime.....	2	1
Cooke, Alexander.....	3	1	Couillard, Depré Alfred.....	3	1
Cronk, Lawson Burton.....	4	1	Catara, Emmanuel.....	3	1
Crossland, James.....	2	1	Cloutier, Joseph.....	3	1
Calcott, William.....	2	1	Côté, Alphonse.....	3	1
Chapman, John Henry.....	3	1	Côté, Germain.....	3	1
Carr, Patrick Joseph.....	3	1	Costen, Frederick.....	3	1
Cameron, James.....	2	1	Grandell, Franklin.....	2	1
Cockburn, John.....	2	1	Gulbert, John L.....	4	1
Clancy, Michael John.....	4	1	Champagne, Edouard, sen.....	2	1
Carter, De Witt.....	3	1	Cremer, Charles George.....	3	1
Crone, John Lincoln.....	3	1	Chater, Thomas.....	3	1
Caldwell, Angus.....	3	1	Childe, Richard.....	3	5
Cragen, James.....	2	1	Charland, Louis.....	4	5
Carrick, John.....	4	1	Coleman, William R.....	3	1
Cunningham, William Henry.....	2	1	Cahan, Frank De Wolf.....	3	1

## STEAMBOAT Engineers' Examinations and Renewals, &amp;c.—Continued.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		\$	1877.		\$
<b>C</b>			<b>D</b>		
Garrick, John.....	2	1	Duncan, Thomas.....	4	5
Caldwell, Enoch F.....	2	1	Dickson, John H.....	2	1
Christie, John.....	2	1	Dodds, John.....	2	1
Clawson, James.....	3	1	Derry, William.....	2	1
Campbell, John William.....	3	1	Devan, William.....	2	5
Cunningham, William A.....	2	1	Davidson, John.....	2	1
Cheyne, John Frederick.....	3	1	Dawson, Josiah.....	3	1
Clarke, Joseph Henry.....	3	1	Dunn, Robert.....	3	1
Cuming, Charles.....	3	1	Desrocher, Louis.....	2	1
Cuming, John.....	2	1	Dion, Michel.....	2	1
Cox, Charles Edward.....	1	1	Dungan, James.....	2	1
Caldwell, James.....	2	1	Dawson, Henry.....	3	1
Cumming, John Cheyne.....	1	1	Dungan, John.....	2	1
Callum, William James.....	3	1	Downey, John, No. 1.....	3	1
Caswell, Alonzo F.....	2	1	Doan, Moses.....	3	5
Charland, Herménégilde.....	3	1	Doran, John.....	1	5
Cayen, Jean.....	2	1	Dobbie, John.....	1	1
Cameron, Duncan.....	3	5	Dion, Léon.....	3	1
<b>D</b>			Dunham, Isaac.....	3	5
Downey, John, No. 2.....	3	1	Donaldson, John M.....	4	5
Diamond, William.....	3	1	Donaldson, Frederick W.....	2	1
Duvell, Francis.....	3	1	Donnelly, John.....	2	1
Desaulniers, Arsène.....	3	1	<b>E</b>		
Dee, John.....	2	1	Elliott, Thomas.....	2	1
Dix, Samuel William.....	4	1	Ellis, James Howard.....	2	1
Dowzer, Charles.....	3	1	Edmonds, William.....	3	1
Dewey, William Henry.....	4	1	Elliott, Andrew.....	4	1
Dunn, Henry Alexander.....	3	1	Evans, William.....	2	1
Degge, James William.....	4	1	Ernst, John.....	3	1
Dillon, Hugh William.....	2	1	Evans, William Beverly.....	2	1

## STEAMBOAT Engineers' Examinations and Renewals, &amp;c.—Continued.

Name of Engineer.	Class	Fee.	Name of Engineer.	Class	Fee.
1887.		\$	1887.		\$
<b>E</b>			<b>G</b>		
Earle, Robert G .....	3	1	Gamble, Samuel John.....	3	1
Esdaile, John P. ....	2	1	Good, Thomas.....	3	1
Estabrooke, B. C .....	3	1	Goyette, John M .....	2	1
Ewing, John J.....	1	1	Gill, Albert M.....	3	1
Edgar, James .....	3	5	Greig, Franklin.....	3	5
<b>F</b>			Gillie, James.....	2	1
Fraser, Duncan .....	3	1	Grylls, John C. A.....	3	1
Ferguson, John C .....	2	1	Green, Freeman .....	3	5
Fox, Edward William.....	3	1	Grant, Michael.....	4	1
Flummerfelt, Oscar.....	4	1	Gray, Thomas.....	3	1
Foster, David M .....	3	1	Girard, Edward.....	2	1
Feightner, Joseph B .....	3	1	Goyette, Charles.....	3	1
Fontaine, Edward .....	4	5	Grooms, Asael .....	3	1
Flanagan, Patrick .....	3	1	Gill, Justus A.....	3	1
Foley, David.....	4	5	Greig, John Bryce.....	4	1
Farr, Henry Herbert .....	4	1	Greig, Charles.....	2	1
Fahey, Patrick Joseph.....	3	1	Gaetz, Andrew .....	3	1
Filion, Paul.....	3	1	Green, James .....	3	1
Free, Henry.....	2	1	Gray, William G.....	2	1
Fraser, Cameron .....	3	1	Gorrell, Charles E.....	3	1
Fernie, William .....	1	1	Gallivan, John.....	3	1
Fraser, John .....	3	1	Gray, John Henry.....	3	1
Foster, Andrew S .....	4	1	Grant, Gordon F.....	2	1
Fraser, Alexander M.....	2	1	Gendron, Charles .....	2	1
Fowler, Jasper.....	2	1	Gray, William James .....	3	1
Foster, Robert.....	2	1	Grimes, Joseph P.....	4	1
Frechette, William .....	2	1	<b>H</b>		
Finucan, John.....	2	1	Holmes, Theodore Charles..	3	1
<b>G</b>			Hunter, Walter.....	3	1
Gowen, John William.....	3	1	Huff, John .....	3	1

## STEAMBOAT Engineers' Examinations and Renewals, &amp;c.—Continued.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		\$	1887.		\$
<b>H</b>			<b>J</b>		
Holman, John Henry .....	2	1	Jalnison, William .....	3	1
Hill, James Edmond .....	2	1	Jaques, John Wellesley .....	3	1
Harrington, John .....	2	1	Johnston, James .....	2	1
Hickey, James O .....	4	5	Johnston, David Liston .....	4	5
Hayter, James Henry .....	4	5	Johnstone, Charles .....	3	5
Hazlett, George .....	3	1	Johnston, William .....	2	1
Hazlett, William .....	2	1	Johnston, Gilbert .....	2	1
Hopkins, James .....	4	5	Johnson, Nicol .....	3	1
Hughes, James .....	2	1	Jean Marie, Xavier .....	3	1
Hamilton, Gavin .....	2	1	Jourdain, Dosithé .....	3	1
Hiscock, Edward E .....	3	1	Imason, Isaac .....	3	1
Hickey, James .....	2	1	Johnson, George .....	3	1
Henderson, George .....	3	1	Jento, Napoleon T .....	3	1
Hazlett, John .....	2	1	Jento, Timothy .....	2	1
Howard, John .....	2	1	Jackman, Thos. William .....	3	1
Hopkins, William .....	3	1	Jones, Hiram Briggs .....	3	1
Horgan, Thomas .....	3	1	Johnson, John Peter .....	2	1
Hand, Frederick Henry .....	4	5	Jacobs, Silas H .....	3	1
Humphrey, William Henry .....	2	1	James, James .....	3	1
Haviland, Thomas .....	3	1	Judson, William Henry .....	3	1
Hatheway, Henry Alfred .....	1	1	<b>K</b>		
Haviland, George Thomas .....	3	1	Kelley, John, No. 2 .....	3	1
Haviland, Henry Baxter .....	3	1	Kirkpatrick, David .....	3	1
Huff, George .....	3	1	Kennedy, William .....	2	1
Hickey, Patrick .....	1	1	Kerr, Atcheson, jun .....	3	1
Hardy, Cyrus .....	3	1	Kenney, Patrick .....	3	1
Hare, Michael .....	2	1	Kenney, John Joseph .....	3	1
Hodgins, Joseph .....	3	1	Kelley, Donald .....	4	5
Heverly, Silas .....	3	1	Kenney, Robert M .....	2	1
Hill, Moses .....	3	1	Kirkpatrick, Neil .....	3	1
Huffa, John .....	3	1	Kennedy, William .....	2	1

## STEAMBOAT Engineers' Examinations and Renewals, &amp;c.—Continued.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		\$	1887.		\$
<b>K</b>			<b>L</b>		
Kilcawley, Patrick .....	3	1	Link, James .....	4	1
Kelley, William.....	3	1	Link, William E.....	4	1
Kinnon, John .....	3	1	Lee, Christopher.....	2	1
Kennedy, William.....	1	1	Lawlor, Dennis.....	2	1
Kennedy, David.....	2	1	Lawson, Charles H.....	2	1
Kennedy, John .....	3	1	<b>M</b>		
<b>L</b>			Munro, Daniel .....	2	1
Lovley, Edward .....	3	1	Mellon, George .....	2	1
Linter, William Henry .....	4	1	Mellon, John Russell.....	4	1
Lawrence, Peter.....	3	1	Morrow, James .....	3	1
Loyd, Robert .....	3	1	Morrill, Thomas Henry.....	3	1
Leitch, Thomas.....	2	1	Morrison, Donald .....	3	1
Lowe, Walter.....	3	1	Marriotte, Thomas.....	3	1
Lewis, Alexander .....	4	1	Miers, William .....	4	1
Lawrence, Zacharias .....	3	1	Mills, Thomas .....	3	1
Lewis, William Nathaniel.....	2	5	Miller, George C. L.....	4	5
Legendre, Louis Alfred .....	4	5	Main, Thomas .....	3	1
Lacroix, Jean Baptiste .....	2	5	Mitchell, James .....	3	1
Lapointe, Eusèbe .....	3	1	Mills, Samuel A.....	4	1
Lapointe, Joseph.....	2	1	Murray, Dennis James .....	2	5
Lacroix, Jean Baptiste.....	3	1	Merrill, Francis John .....	Failed	5
Lapointe, Michel.....	3	1	Miller, John .....	2	1
Lacerte, Roderick .....	3	1	Marshall, Robert .....	3	1
Lavallée, Charles Lafayette .....	3	1	Moore, Edward .....	3	5
Leany, Walter.....	3	1	Marchand, Lucien .....	3	5
Leggett, James William .....	3	1	Morgan, Charles E .....	2	1
Leitch, Andrew .....	3	1	Matté, Charles.....	2	1
Luke, Walter George .....	3	1	Morreau, Guillaume .....	2	1
Leonard, Edward.....	3	1	Milne, Thomas.....	2	1
Langstroth, Alfred.....	3	1	Mullin, John .....	3	1

## STEAMBOAT Engineers' Examinations and Renewals, &amp;c.—Continued.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		\$	1887.		\$
<b>M</b>			<b>M</b>		
Merriam, Charles .....	3	1	May, William Ruscombe.....	3	1
Murphy, Thomas, No. 1.....	3	1	Morris, Edward T.....	4	1
Marchand, Adolphe.....	3	1	Menanteau, Auguste.....	3	1
Mundell, John.....	2	1	Martineau, Joseph.....	2	1
Maxwell, James.....	3	1	Marchand, Narcisse.....	3	1
Murray, James.....	2	1	Mathieu, Xavier.....	3	1
Matthews, Jacob.....	3	1	Marchand, Hilaire.....	3	1
Marshall, Thomas.....	3	1	May, John A.....	1	1
Miller, William.....	2	1	Mahaffy, Frank.....	4	5
Murphy, Walter.....	2	1	Miller, Sopha.....	3	5
Marshall, Irwin.....	3	1	<b>Mc</b>		
Moffatt, Thomas.....	3	1	McLeod, Kenneth.....	3	1
Mowry, Justus.....	3	1	McDonald, Alexander.....	2	1
Martell, William Edgar.....	3	1	McKenzie, John.....	3	1
Matson, George.....	3	1	McArthur, Alexander.....	2	1
Miller, John Dennison.....	2	1	McDermid, Hugh.....	4	1
Morrison, Angus.....	3	1	McKee, John.....	3	1
Murphy, Walter.....	3	1	McCoppen, James.....	3	1
Morris, Malcolm.....	3	1	McFadden, John C.....	3	1
Morris, James Edward.....	1	1	McFaull, Michael, jun.....	3	1
Morrison, Kenneth.....	1	1	McFarlane, Charles.....	2	1
Mooney, David M. A.....	1	1	McRoberts, Alexander.....	2	1
Marchand, Edward.....	2	1	McMaugh, Wm. J.....	2	1
Murphy, James.....	3	1	McKean, Edward William.....	2	5
Mallory, Charles.....	3	1	McGregor, William A.....	3	1
Mayer, Christian.....	3	1	McGee, James.....	3	1
Madigan, Benjamin.....	2	1	McCallum, John.....	2	1
Madden, Jeremiah.....	2	1	McCarron, James.....	4	5
Mitchell, Thomas G.....	2	1	McBride, Thomas.....	2	1
Murray, John.....	3	1	McLeod, David H.....	3	1

## STEAMBOAT ENGINEERS' EXAMINATIONS AND RENEWALS, &amp;c.—Continued.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class	Fee.
1887.		\$	1887.		\$
<b>Mc</b>			<b>N</b>		
McInnes, Duncan .....	3	1	Nisbet, John. ....	2	1
McCracken, Joseph T. ....	3	1	Norcross, Samuel Rose. ....	3	1
McMillan, William .....	2	1	Norton, Francis John. ....	3	1
McFaul, Michael, sen. ....	3	1	Neff, Sylvanus. ....	3	1
McBride, Robert. ....	3	1	Nadeau, Jean. ....	3	1
McBride, Archibald .....	2	1	Norcross, Reuben R. ....	3	1
McCaul, Robert .....	2	1	Nichols, John Dorset. ....	1	1
McSorley, Charles .....	3	1	Noyes, John Ostrom .....	3	1
McGillivray, James .....	3	1			
McCallum, William .....	4	1	<b>O</b>		
McKinnon, Albert. ....	3	1	O'Reilley, James. ....	2	1
McPherson, Alexander. ....	3	1	O'Neill, James. ....	3	1
McMurray, Alexander .....	1	1	O'Neill, Michael J. ....	3	1
McDonald, John Charles. ....	3	1	O'Neill, Thomas. ....	3	1
McDonald, John. ....	3	1	O'Brien, Lawrence. ....	2	1
McCarthy, Chas. Joseph. ....	3	1	O'Reilley, Thomas. ....	2	1
McDonald, Ronald. ....	2	1	Oliver, Joseph. ....	3	1
McLeod, Alexander. ....	3	1			
McKenzie, Allen. ....	3	1	<b>P</b>		
McCarthy, Daniel. ....	3	1	Penton, Henry. ....	4	1
McMillan, John .....	1	1	Park, Joseph .....	2	1
McLeod, John Norman. ....	3	1	Pirie, Alexander. ....	2	1
McDonald, Angus. ....	3	1	Price, Alfred Eugene. ....	3	1
McLeod, John Daniel. ....	3	1	Park, James Malcolm. ....	3	1
McIvor, Roderick. ....	1	1	Port, Robert Edwin .....	3	1
McArthur, James .....	2	1	Paterson, Joseph. ....	2	1
McMurray, James Blair. ....	3	1	Palmer, Isaac Wilson. ....	2	1
McRae, Alexander. ....	3	1	Payne, James. ....	3	5
McDonald, Frank .....	4	5	Painter, John. ....	3	1
McNabb, John. ....	3	1	Pendergast, James. ....	4	1
McRoberts, Alexander .....	2	1	Parker, Henry. ....	4	1
			Parker, William. ....	3	1



**STEAMBOAT Engineers' Examinations and Renewals, &c.—Continued.**

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		\$	1887.		\$
<b>P</b>			<b>R</b>		
Peck, John H.....	3	1	Robinson, George Henry.....	4	1
Purcell, John Patrick.....	3	1	Reed, William Ormond.....	3	1
Pearce, William.....	2	1	Rosseau, Elizee.....	3	1
Parks, William B.....	2	1	Roy, Francis.....	3	1
Perkins, Edward.....	3	1	Ross, Robert.....	3	1
Paul, Francis.....	3	1	Ritchie, William.....	3	1
Payne, George Washington.....	3	1	Retallick, John.....	1	1
Payne, James George.....	3	1	Reardon, James Daniel.....	2	1
Patterson, John.....	1	1	Ross, John.....	1	1
Perkins, Winter.....	3	1	Ross, George.....	1	1
Penny, Thomas.....	3	1	Ryan, James W.....	3	1
Patterson, Robert.....	2	1	Rowe, William Charles.....	1	1
<b>Q</b>			Roberts, William W.....	4	1
Quinn, Patrick.....	3	1	Robson, William.....	2	1
Quinn, Henry.....	3	1	Reid, William.....	2	1
Quinn, Michael.....	2	1	Robertson, John.....	3	1
Quigley, James.....	3	1	Russell, James.....	3	1
<b>R</b>			Rowe, Frank Herbert.....	3	1
Raymond, Moses.....	3	1	Riggs, William Gladstone.....	4	5
Ramsay, Alexander.....	2	1	Rogers, John.....	3	5
Reynolds, James Finley.....	2	1	Rourke, Michael.....	4	5
Ross, John Alexander.....	3	1	<b>S</b>		
Reynolds, Samuel.....	3	1	Sutherland, David.....	2	1
Rae, Edmond James.....	4	1	Samson, Ernest.....	2	1
Ramsay, Joseph James.....	4	5	Sullivan, John Wm.....	3	1
Rice, John.....	3	1	Sullivan, Chas. A.....	3	1
Robertson, Charles.....	3	1	Sutherland, William.....	3	1
Rodman, Joseph.....	3	1	Simpson, Albert.....	4	1
Ross, John, No. 1.....	3	1	Simpson, Robert N.....	3	1
			Smith, Frederick Edward.....	2	1

## STEAMBOAT Engineers' Examinations and Renewals, &amp;c.—Continued.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1887.		\$	1887.		\$
<b>S</b>			<b>S</b>		
Smith, William.....	3	1	Summerville, William.....	4	5
Simpson, William E.....	4	5	Saxby, Robert.....	3	1
Sims, John Calais.....	2	5	Sangster, Charles.....	3	1
Stewart, James.....	2	5	Smiley, John.....	2	1
Smith, James M.....	4	1	Scott, Walter.....	3	1
Siteman, Henry J.....	4	5	Samson, Odine.....	1	1
Samson, Arthur.....	3	1	Steele, Wm. Anderson.....		
Sheridan, Michael.....	3	1	<b>T</b>		
St. Arnaud, Henri.....	3	1	Thorpe, George.....	3	1
Simons, John.....	3	1	Thanguay, Théophile.....	3	1
Smith, Thomas.....	3	1	Trotter, Wm. Fleming.....	3	1
Sullivan, William.....	3	1	Townsend, Wm.....	3	1
Somerville, Francis.....	2	1	Tabor, George Lee.....	3	1
Somerville, Samuel.....	3	1	Taylor, Joseph F., jun.....	3	5
Simmons, Thomas.....	3	1	Taylor, Edward J.....	4	1
Stevens, James.....	3	1	Thériault, Siméon.....	4	5
Smith, William Henry.....	3	1	Taylor, Joseph F., sen.....	1	1
Steele, James Thomas.....	4	5	Thanguay, Isadore.....	2	1
Smith, Frank Williamson.....	4	1	Thériault, Francis, jun.....	3	1
Suttie, Calvin D.....	2	1	Thurston, Henry.....	2	1
Strickland, James L.....	3	1	Taudvin, Daniel.....	2	1
Stevens, Douglas.....	1	1	Thorne, John Frederick.....	2	1
Smith, James Lorne.....	3	1	Thornton, John.....	3	1
Smith, Frederick A.....	3	1	Turner, James.....	1	1
Smith, Duncan Wilmot.....	2	1	Teschner, Herman.....	3	1
Salter, William Henry.....	2	1	Tobin, Samuel K.....	3	5
Smith, George Douglas.....	3	1	Tower, William Henry.....	3	1
Shepherd, Edward Charles.....	4	1	Thompson, Joseph E.....	3	5
Stalker, Hugh.....	3	1	<b>U</b>		
Stephen, David.....	2	1	Utter, William Curtis.....	1	5

## STEAMBOAT Engineers' Examinations and Renewals, &amp;c.—Continued.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class	Fee.
1887.		\$	1887.		\$
<b>V</b>			<b>W</b>		
Vreeland, David .....	2	1	Walton, Thomas.....	3	1
Van Bramer, James.....	3	1	Wells, Joseph Peter.....	2	1
<b>W</b>			Wool, Joseph.....	3	1
Whitty, David T. H.....	3	1	Wells, Star S.....	3	1
Watson, Joseph C .....	3	1	Watts, William F.....	4	1
Warner, Christopher.....	3	1	Wilson, William .....	3	1
Wilcox, George Henry.....	3	1	Webster, Henry.....	3	1
Wheeler, Frederick E.....	2	1	Welis, William Firth.....	1	1
Westaway, John.....	2	1	Warren, Archibald .....	1	1
White, Frank.....	3	1	Wilder, Willard .....	2	1
Webster, William.....	2	1	Wilson, Thomas.....	2	1
Whipps, William .....	4	1	White, James L .....	3	1
Wilson, Henry Thomas .....	3	1	Warren, Augustus.....	2	1
Wilson, James Miller .....	3	1	Wendt, John .....	3	1
Wood, William.....	4	5	Wallace, James, sen .....	2	1
Wilson, James.....	3	1	Wickens, Robert.....	3	1
Wilson, Finley.....	4	5	Warren, Frederick .....	3	1
Wilder, William J .....	3	1	White, John.....	3	1
Welch, Warren .....	3	1	Waring, William Lee .....	1	1
Weinert, John Joseph.....	4	1	Walsh, William.....	1	1
			Wadsworth, Thomas .....	2	1

STEAMBOAT Engineers' Examinations and Renewals during the year ended 31st December, 1887, the name of the Engineer, Class, and the Fee paid.

Name of Engineer.	Class.	Fee.	Name of Engineer.	Class.	Fee.
1886.		\$	1886.		\$
<i>Renewals during the year 1887 for 1886.</i>			<b>G</b>		
<b>A</b>			Grant, Michael.....	4	5
Aubain, Michel.....	2	1	<b>L</b>		
<b>B</b>			Lacroix, Wilbrod.....	2	5
Bourne, Frank Wm.....	3	5	<b>R</b>		
Boutiller, Thomas Samuel.....	1	5	Ralph, Jcsiah.....	1	5
Banks, James D.....	3	1	Ross, John, No. 1.....	3	1
Braund, Richard Henry.....	2	1	Ross, Robert.....	3	1
<b>C</b>			<b>S</b>		
Christie, John.....	2	5	Smith, Duncan Wilmot.....	2	1
Charland, Victor.....	2	5	Sabourin, David.....	3	5
<b>D</b>			<b>T</b>		
Dean, Cyrus S.....	2	1	Thauguay, François X.....	3	5
<b>E</b>			<b>W</b>		
Ernst, John.....	3	1	Wool, Joseph.....	3	1
Ellenburg, Peter.....	3	5			

## STEAM Vessels Inspected for the Year ended 31st December, 1887.

## WEST ONTARIO AND HURON DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Athabasca.....	507	April 1.....	1,774	78 96	Screw, passenger.
Alberta.....	528	March 31.....	1,779	79 16	do do
Armenia.....	125	April 18.....	925	45 00	do do
Africa.....		do 23.....	482	24 28	do freight.
Atlantic.....	318	do 26.....	682	35 32	do passenger.
Alfred Morrell.....		do 26.....	40	6 60	do fishing tug.
Arlington.....	100	May 19.....	23	5 93	do passenger.
Ann Long.....		July 4.....	40	6 80	do fishing tug.
Argosy.....		August 3.....	1		do yacht.
Bruno.....		April 18.....	475	24 00	do freight.
Belle.....		May 4.....	7	5 28	do fishing tug.
Bertha May.....		July 20.....	20	5 80	do tug.
Bruce.....		August 5.....	16	5 64	do do
Bella.....		do 5.....	21	5 84	do yacht.
Conqueror.....		April 14.....	25	6 00	do tug.
California.....	125	do 18.....	902	44 08	do passenger.
Cuba.....	125	do 18.....	931	45 24	do do
City of Owen Sound.....	323	do 22.....	1,093	51 72	do do
City of Montreal.....		do 22.....	297	16 88	do freight.
Chicora.....	772	do 30.....	930	45 24	do passenger.
Canadian.....	308	May 10.....	231	17 24	do do
C. W. Chamberlain.....		June 6.....	385	20 40	do freight.
Chicoutimi.....	289	May 21.....	110	12 40	Paddle, passenger.
Cherokee.....		Not certificat'd	179	12 16	Screw do
Comet.....			20		do tug.
Cecebe.....	7	July 22.....	11	5 44	do passenger.
Dauntless.....		June 24.....	7	5 28	do tug.
Ethel.....		do 6.....	13	5 52	do fishing tug.
Esperanza.....		May 10.....	22	5 88	do yacht.
Eagle.....		June 17.....	12	5 48	do do

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—Continued.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
				\$	cts.	
Enterprise.....	188	1888. July 26.....	148	13	92	Screw passenger.
Evangeline.....		August 5.....	24	5	92	do yacht.
Edith May.....		do 17.....	45	6	80	do passenger.
Frank Jackman.....		April 4.....	39	6	56	do tug.
Frances Smith.....	293	do 22.....	1,323	60	96	Paddle, passenger.
F. B. Maxwell.....	290	May 2.....	497	27	88	do do
Fred. Davidson.....		June 13.....	43	6	73	Screw, tug.
Florence.....	30	July 23.....	8	5	32	do passenger.
Gertrude.....	163	May 11.....	76	8	04	do do
Geneva.....	257	do 12.....	97	8	88	do do
Georgian.....		do 16.....	377	20	08	do freight.
Grace Darling.....		June 20.....	28	6	12	do fishing tug.
Gypsy.....		July 26.....	20	5	80	do yacht.
Heather Belle.....		April 23.....	20	5	80	do fishing tug.
Huron.....		do 25.....	70	7	76	do tug.
Hiawatha.....		do 26.....	39	6	56	do do
H. L. Lovering.....		May 5.....	55	7	20	do do
Home Rule.....		June 14.....	3	5	13	do yacht.
Isabella.....		May 25.....	44	6	76	do tug.
Irene.....		July 13.....	7	5	28	do yacht.
J. L. McEdwards.....	70	April 30.....	22	5	88	do passenger.
Juanita.....		May 4.....	5	5	20	do yacht.
John Harrison.....		December, 1887 1888.	44	6	16	do tug.
Jennie Willson.....		August 17.....	7	5	28	do do
Kincardine.....		None.....	199	21	72	do freight.
Kathleen.....	170	May 10.....	110	12	40	do passenger.
Kenozha.....	40	July 20.....	191	15	64	do do
Kate Murray.....	10	do 20.....	3	5	12	do do
Luella.....	122	May 12.....	38	6	52	do do
Longford.....	40	do 26.....	53	7	12	do do

STEAM Vessels Inspected, &c.—West Ontario and Huron Division—*Continued.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				\$ cts.	
Leslie.....		do 30.....	11	5 44	Screw, tug.
Lake Joseph.....		June 20.....	28	6 12	do do
Lothair.....		July 5.....	413	21 48	do freight.
Lady of the Lake.....	30	do 20.....	10	5 40	do passenger.
Lady Katrine.....		.....	16	.....	do freight.
Mocking Bird.....	40	April 22....	38	6 52	do passenger.
Mischief.....		do 23.....	9	5 36	do yacht.
Meteor.....	60	do 23.....	337	21 48	Paddle, passenger.
Mabel.....		August 31.....	11	5 45	Screw, yacht.
Maganettawan.....		May 4.....	269	18 76	do tug.
Minnie Martin.....		do 4.....	10	5 40	do do
Marshall & Murray.....		do 5.....	16	5 64	do do
Mary Beck.....		do 3.....	16	5 63	do do
Muskoka.....	100	June 23.....	99	8 96	do passenger.
Minnehaha.....		August 5.....	32	6 28	do tug.
Mary Louise.....	20	do 19.....	64	7 56	do passenger.
Niagara.....		April 13.....	468	23 72	do freight.
Northern Belle.....	250	do 26.....	514	28 52	do passenger.
Nipissing.....	200	June 24....	275	19 00	Paddle do
Notos.....		July 15.....	16	5 64	Screw, yacht.
Northern.....	50	do 23.....	99	8 96	Paddle, passenger.
Othello.....		April 26.....	8	5 32	Screw, fishing tug.
Orillia.....	228	May 26....	135	13 40	do passenger.
Oriole.....	40	June 24.....	75	8 00	do do
Ontario.....		do 24.....	11	10 88	do tug.
Onaganoh.....	25	August 16.....	19	5 76	do passenger.
Pacific.....	311	April 26....	918	44 72	do do
Prowett Bayer.....	50	July 15.....	10	5 40	do do
Pocahontas.....		.....	32	6 28	Paddle, tug.
Queen of the Isles.....	100	May 25.....	40	6 60	Screw, passenger.

STEAM Vessels Inspected, &c.—West Ontario and Huron Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
				\$	cts.	
Queen .....	20	1888. August 26.....	7	5	28	Screw, passenger,
River Belle.....		June 2 .....	8	5	32	do yacht.
Rupert.....	407	do 15.....	512	28	48	Paddle do
Rover.....		May 30.....	51	7	04	Screw, tug.
Rescue.....		June 9 .....	7	5	28	do yacht.
Rosseau .....		do 24 .....	53	7	12	do tug.
Rosamond.....		do 27.....	23	5	92	do yacht.
Rock .....		August 5.....	14	5	56	do fishing tug.
R. Kendrick.....		July 27.....	15	5	60	do tug.
Shawanaga .....		May 3.....	96	8	83	do do
Severn Belle .....		do 3.....	8	5	30	do do
Severn .....		do 4.....	44	6	76	do do
Sadie .....	377	do 19 .....	154	14	16	Paddle, passenger.
Sea Flower .....		do 26.....	7	5	28	Screw, yacht.
Spartan .....			2			do do
Sarana.....						do do
Sunbeam .....		August 17.....	4	5	16	do tug.
Superior .....		do 31.....	89	8	50	do do
Siskiwit .....				6	36	do do
Telegram .....	40	June 6.....	322	20	88	do passenger.
Tender.....	30	August 31.....	31	6	26	do do
W. B. Hall.....		April 9 .....	608	29	32	do freight.
Wm. M. Alderson .....	200	do 22.....	122	12	84	do passenger.
Waubauskene .....		May 4.....	97	8	88	do tug.
Welcome.....		June 20.....	21	5	84	do fishing tug.
Wenonah .....	64	July 22 .....	162	14	44	Paddle and screw, pass.
W. J. Taylor .....		do 25.....	9	5	36	Screw, yacht.
Wales .....		August 31.....	350	19	00	do tug.
Zephyr .....		Sept. 16.....	22	5	88	do yacht.
			2,148	189	05	

W. J. MENEILLEY, *Steamboat Inspector.*



STEAM Vessels Inspected for the Year ended 31st December, 1887.  
WESTERN ONTARIO DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Acadia .....	25	April 20.....	806	40 25	Screw, passenger.
Alma Munro .....	25	do 22.....	891	43 64	do do
Alert .....		do 27.....	47	6 88	do tug.
Augusta .....		do 29....	57	7 28	do do
Albion.....		May 10.....	297	16 88	do freight.
Admiral D. D. Porter.....		do 20....	241	14 64	do tug.
Alfred Wilson.....		June 14....	33	6 32	do do
Ada Alice.....	64	May 25.....	15	5 60	do ferry.
Ariadne.....		June 17.....	38	6 52	do tug.
Agnes.....		July 15.....	23	5 64	do do
Adrelexa.....		do 21....	15	5 60	do yacht.
A. B. Cook .....		Close of nav., 1887.	34	6 36	do tug.
Annie Watt.....		Aug. 3, 1888...	62	7 48	do do
Admiral.....		1888. Aug. 9.....	9	5 36	do do
Arbutus.....		do 9.....	49	6 96	do do
Ada E. Allen .....		1887. Dec. 12.....	170	11 80	do freight.
Albert Dymont.....			30	6 20	do tug.
Arrow .....					do yacht.
Byron Trerice.....	265	1888. June 18.....	268	18 72	do passenger.
Bertha Endress .....			9	5 36	do tug.
Blandina.....		Sept. 14.....	46	6 84	do pleasure yacht.
Celtic .....	60	April 20.....	698	35 93	do passenger.
C. H. Merritt. ....	200	do 21.....	122	12 88	do do
Campana .....	337	do 21.....	1,288	59 52	Twin screw, passenger
City of Dresden.....	207	do 22.....	194	15 76	Screw, passenger.
Canada.....	60	May 2.....	644	33 76	do do
Clinton.....		April 29.....	430	22 20	do freight.
C. J. G. Munro.....		June 3.....	43	6 72	do tug.
City of Mount Clemens....		do 16.....	102	9 08	do freight.
City of Stratford.....		do 24.....	6	5 24	do tug.

## STEAM Vessels Inspected for the Year, &amp;c.—Western Ontario Division—Continued.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1888.			\$	cts.	
Conservative.....		July	8.....	7	5	28	Screw, fishing boat.
Clucas.....		Aug	2.....	28	6	12	do do
Dominion.....		May	10.....	478	24	12	do freight barge.
Dolphin.....	30	do	16.....	13	5	52	do ferry.
D. Foster.....	97	June	27.....	66	7	66	do do
Dispatch.....		Aug.	30.....	33	6	32	do fishing boat.
Erin.....				512	25	48	do freight.
Enterprise.....		May	2.....	915	41	60	do do
Euna.....				6	5	24	do tug.
E. A. Gibson.....		May	19.....	11	5	44	do yacht.
E. Windsor.....		June	16.....	86	8	44	do freight.
Energy.....		do	16.....	116	9	64	do do
Edward Blake.....		July	9.....	13	5	52	do tug.
Eagle.....				14	5	56	do do
Electric.....		Aug.	18.....	4	5	16	do yacht.
Ella Taylor.....		do	22.....	34	6	36	do tug.
F. A. Folger.....		April	21.....	64	7	56	do do
Forester.....				3	5	12	do yacht.
Fanny Arnold.....		Sept.	5.....	73	7	92	do tug.
Frank Reed.....				34	6	40	do do
Golden City.....		June	1.....	35	6	40	do do
Grace Darling.....		do	15.....	26	6	04	do do
George Douglas.....		do	1.....	42	5	68	do do
Gordon Gauthier.....		Aug.	29.....	26	6	04	do fishing boat.
Gertrude A. Ranney.....		Sept.	1.....	14	5	56	do do
Hector.....		April	27.....	43	6	72	do tug.
H. Neelon.....		do	28.....	65	7	56	do do
Huron.....	500	May	6.....	1,052	50	08	Twia screw, car ferry.
Hope.....	350	do	18.....	170	14	80	Screw, ferry.
Hiawatha.....	280	do	20.....	163	14	48	do do

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Continued.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1888.			\$	cts.	
Hastings.....	450	do	23.....	473	26	92	Paddle, excursion.
Harry Sewell.....		June	16.....	25	6	00	Screw, tug.
Henry Smyth.....		Aug.	29.....	40	6	60	do do
Ivey Alderson.....	110	May	27.....	39	6	52	do passenger.
International.....	200	do	6.....	851	42	04	Twin screw, car ferry.
International.....		April	23....	256	15	24	Screw, tug.
Inez.....		do	28.....	59	7	36	do do
International.....		do	23....	82	8	28	do do
Imperial.....	375	May	9.....	147	13	88	do passenger.
Isaac May.....		June	7.....	558	27	32	do freight.
Jane Armstrong.....		April	27....	45	6	76	do tug.
Joe Mac.....		do	29.....	44	6	76	do do
J. C. Clark.....	260	May	4.....	145	13	80	do passenger.
John Hanlan.....	172	do	9.....	37	6	48	do ferry.
Jessie.....		do	20.....	118	9	72	do tug.
James Buckley.....		do	27....	10	5	60	do do
J. B. Newman.....		June	15.....	33	6	32	do freight.
James Norris.....		April	28.....	50	6	88	do tug.
James Leighton.....				23	5	92	do do
James Clark.....		July	15.....	48	6	92	do do
J. W. Stienhoff.....	40	do	22....	312	20	48	do ferry.
Juno.....		Aug.	2.....	28	6	12	do fishing boat.
Juno.....		do	12.....	210	13	40	do freight.
Kingfisher.....		July	8....	14	5	52	do fishing boat.
Kittie Haight.....		Aug.	6....	60	7	40	do tug.
Lake Michigan.....	45	April	20.....	693	35	72	do passenger.
L. Shickluna.....		do	25.....	626	30	04	do freight.
Lincoln.....		do	26.....	347	18	88	do do
La Belle.....		June	14....	75	8	00	do do
Lillie.....	159	do	27.....	50	6	98	do ferry.

## STEAM Vessels Inspected for the Year, &amp;c.—Western Ontario Division—Continued.

Name of Vessel.	Number of Passengers allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Lottie Maud.....		July 8, 1888...	10	\$ cts 5 40	Screw, fishing boat.
Lake Ontario .....	25	Dec. 15, 1887...	675	35 00	do passenger.
Lady Eberth. ....		.....	3	5 12	do fishing boat.
Lewis .....		.....	15	5 60	do yacht.
Mazeppa.....	300	1888. April 16.....	146	13 84	do passenger.
Maggie .....		do 27 .....	37	6 48	do tug.
M. A. Laughlin .....		do 27.....	23	5 92	do do
Mary (of Sarnia).....		do 30.....	62	7 48	do do
Metamora.....		May 5.....	239	14 56	do do
Mary (of Port Stanley).....		do 30.....	4	5 16	do fishing boat.
M. A. Bennett. ....		June 2 .....	34	6 56	do tug.
Maid of the Mist.....	100	do 2.....	62	7 48	do ferry.
Myra.....		May 11.....	73	7 92	do tug.
Mascotte .....		do 9.....	49	6 96	do ferry.
Messenger.....		June 16.....	15	5 60	do tug.
M. R. Mitchell.....		do 28.....	40	6 60	do do
Minnie Kidd.....		.....	18	5 72	do do
Myrtie.....		July 15.....	81	8 28	do freight.
Maid of the Mill.....		do 27.....	8	5 32	do yacht.
Maggie Mason.....	50	Aug. 17.....	25	6 00	do ferry.
Magdalena. ....		Sept. 1.....	19	5 76	do tug.
Mocking Bird .....		do 8.....	45	6 80	do do
Nellie May .....		May 31 .....	11	5 44	Screw, fishing boat.
Ocean .....	150	April 26.....	684	35 36	do passenger.
Ontario .....	300	May 5.....	1,104	61 52	do do
Persia .....	150	April 26.....	757	38 28	do do
Phenix .....		.....	37	6 52	do tug.
Port Elgin Queen .....		July 14.....	37	6 48	do do
P. S. Hiesordt.....		Sept. 5.....	45	6 80	do do
Queen City.....	250	May 9.....	98	8 92	do ferry.
R. S. King.....		April 28.....	58	6 88	do tug.

## STEAM Vessels Inspected for the Year, &amp;c.—Western Ontario Division—Continued.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.	
		1888.					
					\$	cts	
Rambler .....		do	29 .....	59	7	36	do do
Ruby .....	100	May	30.....	72	7	88	do passenger.
Ripple .....		June	15.....	20	5	80	do tug.
R. F. Child .....		Aug.	10 .....	5	5	20	do yacht.
St. Magnus .....	60	April	20.....	853	41	12	do passenger.
Sir S. L. Tilley .....	10	do	19.....	1,178	55	12	do do
Sam Perry .....		do	28 .....	52	6	68	do tug.
Sylvester Neelon .....		do	27 .....	46	6	84	do do
Steve H. Lyon .....				19	5	76	do do
Sovereign .....	30	Aug.	6. ....	684	35	36	do passenger.
Sea Gull .....				41	6	64	do tug.
Saucy Jim .....		Sept.	16 .....	93	8	73	do do
Saginaw .....		do	22 .....	357	22	28	do do
Tecumseh .....		April	19.....	840	38	60	do freight.
Thames .....		Sept.	16 .....	52	7	04	do do
Tommy Wright .....				12	5	48	do tug.
United Lumbermen .....		April	22.....	399	20	96	do freight.
United Empire .....	418	May	4.....	1,961	86	44	do passenger.
Uncle John .....		do	31.....	7	5	28	do fishing boat.
Uncle Jim .....				11	5	44	do yacht.
Victoria .....		July	13 .....	88	8	52	do freight.
Vivid .....		Aug.	9.....	56	7	24	do yacht.
W. A. Rooth .....		April	27.....	52	7	08	do tug.
W. J. Aiken .....		do	29.....	43	6	68	do do
Watertown .....				267	18	68	Paddle, ferry.
W. S. Ireland .....		June	16.....	105	9	20	Screw, freight.
Wm. H. Siebold .....		Aug.	2 .....	22	5	88	do fishing boat.
W. F. McRae .....		Close of Nav , 1887.		46	6	84	Screw, tug.
Walter Scott .....		Aug. 27, 1888..		26	6	04	do fishing boat.
				28,291	1,067	02	

OLIVER P. ST. JOHN, Steamboat Inspector.

STEAM Vessels not Inspected for the Year ended 31st December, 1887.  
WESTERN ONTARIO DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks.
			\$	
Annie Clark.....	51	34	.....	Trading on Lake Superior, tug.
A. H. Jennie .....	148	108	.....	Inspection not applied for, freight.
Advance. ....	72	49	.....	Certificate not expired, tug.
Charlton. ....	261	178	.....	Not employed, tug.
Clara.....	12	8	.....	Inspection not applied for, fishing tug.
Dominion .....	6	4	.....	Not employed, yacht.
Excelsior.....	35	24	.....	do passenger.
Essex.....	142	89	.....	do ferry.
Edith .....	2	1	.....	Inspection not applied for, yacht.
Ella Alice.....	7	5	.....	do do do
Ethel May.....	4	2	.....	do do passenger.
Fanny.....	5	3	.....	do do fishing tug.
Great Western.....	1,080	662	.....	Certificate not expired, car ferry.
George Dean .....	Not registered	.....	.....	Inspection not applied for, tug.
Gem .....	4	3	.....	do do do
George Maytham.....	40	27	.....	Inspection arranged for do
Interocean .....	144	98	.....	Not employed, passenger.
Jennie G. Harper. ....	20	18	.....	Inspection not applied for, fishing tug.
Jessie.....	2	1	.....	do do yacht.
Lansdowne. ....	1,571	908	.....	Certificate not expired, car ferry.
Lewis Shickluna.....	16	11	.....	Not employed, tug.
Little Gem. ....	2	2	.....	Inspection not applied for, passenger.
Myrtle.....	9	6	.....	do do tug.
Maggie McLean.....	37	25	.....	do do do
Mikado. ....	1	1	.....	do do yacht.
Owen.....	103	68	.....	do do freight.
Rescue. ....	20	17	.....	do do fishing tug.
Sutton Belle .....	6	4	.....	do do tug.
Scintilla.....	4	3	.....	Not running, yacht.
Southern Belle.....	428	265	.....	do passenger.

STEAM VESSELS not Inspected for the Year, &c.—Western Ontario Division—*Con.*

Name of Vessels.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks.
Sparrow .....	25	17	\$	Inspection not applied for, tug.
Susan C. Doty.....	26	18	.....	Not employed, tug.
S. R. Norcross.....	22	11	.....	Inspection not applied for, tug.
Transit.....	1,058	719	.....	Not employed, car ferry.
Transfer.....	1,542	971	.....	Certificate not expired, car ferry.
Toronto Belle.....	17	12	.....	Inspection not applied for, tug.
	3,122	2,016	.....	

OLIVER P. ST. JOHN,  
*Steamboat Inspector.*

## STEAM Vessels Inspected for the Year ended 15th September, 1887.

## WESTERN ONTARIO DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Niagara .....		April 14...	668·00	23 72	Screw, freight.
Cuba .....	125	do 15...	931·13	45 24	do passenger and freight.
Armenia .....	125	do 17...	931·13	45 24	do do
Bruno .....		do 16...	474·98	24 00	do all the lakes.
California .....	125	do 18...	901·95	44 09	do Montreal and Chicago.
Mazeppa.....	300	do 19...	145·59	13 84	do Burlington Bay.
Persia .....	150	do 20...	756·64	38 28	do St. Catharines and Montreal.
Lincoln .....		do 20...	346·65	18 88	do all the lakes.
Campana.....	337	do 22...	1287·87	59 52	Twin-screw, Collingwood and Duluth
Alma Munro.....	25	do 22...	890·80	43 64	Screw, all the lakes.
UnitedLumberman .....		do 22...	398·91	20 96	do do
Acadia .....	25	do 23...	806·36	40 25	do do
W. B. Hall.....		do 25...	607·70	29 32	do do
L. Shickluna.....		do 25...	625·81	30 04	do do
Atlantic.....	318	do 26...	682·63	35 32	do Collingwood and Sault.
Pacific .....	311	do 26...	918·08	44 52	do do
Northern Belle.....	250	do 27...	322·21	28 52	do Collingwood and Georgian Bay.
Meteor .....	60	do 27...	336·00	21 38	Paddle, passenger and tug.
Alberta.....	528	do 28...	1779·33	79 16	Screw, Owen Sound and Port Arthur.
Athabasca.....	507	do 28...	1773·65	28 96	do do
City of Montreal.....		do 28...	296·78	16 88	do all the lakes.
Africa .....		do 28...	482 39	24 28	do do
City of Owen Sound	323	do 29...	898·28	51 76	do Collingwood and Duluth.
Francis Smith .....	298	do 30...	1322·99	60 96	Paddle, Owen Sound and Sault.
Ocean .....	150	May 3...	683·72	35 36	Screw, St. Catharines and Montreal.
Canada.....	60	do 2...	644·45	33 75	do all the lakes.
Sir L. Tilley.....	16	do 2...	1177·77	55 12	do do
Albion .....		do 3...	297·00	16 88	do do
Enterprise.....		do 3...	914·92	41 20	do do
St. Magnus.....	60	do 3..	852·85	41 12	do do



STREAM Vessels Inspected for the Year, &c.—Western Ontario Division—Continued.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1888.			\$	cts.	
United Empire.....	418	do	4...	1960·65	86	44	Screw, Sarnia and Duluth.
Ontario .....	300	do	5...	1193·91	61	52	do do
J. C. Clark.....	250	do	16...	145·23	13	18	do Sarnia and Dresden.
Lake Michigan....	25	do	6...	693·07	35	72	do all the lakes.
Clinton.....		do	6...	430·00	22	20	do do
Dominion.....		do	10...	478·13	24	12	do do
John Hanlan.....	172	do	12...	36·96	6	48	do Toronto, ferry.
Geneva.....	257	do	11...	96·74	8	88	do do
Imperial.....	375	do	11...	146·90	13	88	do Toronto and Long Branch.
Queen City.....	250	do	12...	97·77	8	92	do Toronto and Hamilton
Gertrude.....	163	do	11...	75·54	8	04	do Toronto and Victoria Park.
Mascotte.....	158	do	13...	48·94	6	96	do Toronto, ferry.
Luella.....	122	do	12...	37·83	6	52	do do
Chicora.....	772	do	13...	930·50	45	24	Paddle, Toronto and Niagara.
Georgian.....		do	16...	376·54	20	08	Screw, Owen Sound and Sault.
Mocking Bird.....	40	do	16...	28·02	6	52	do do Presqu' Isle
Tecumseh.....		do	18...	839·57	38	60	do all the lakes.
Hope.....	350	do	18...	169·96	14	80	Ferry, Windsor and Detroit.
Watertown.....	50	Sept. 1887.	15...	162·86	18	68	Paddle, ferry, Fort Erie.
J. L. McEdwards...	70	May 1888.	20...	22·13	5	88	Screw, Toronto, ferry.
Sadie.....	377	do	20...	154·18	14	16	Paddle, Toronto, ferry.
Rupert.....	407	do	21...	511·97	28	48	do Toronto and Grimsby.
Hastings.....	450	do	21...	473·05	26	92	do Lake Ontario.
Chicoutimi.....	289	do	23...	110·47	12	40	do Toronto and Victoria Park.
Queen of the Isles	100	do	24...	40·22	6	60	Screw, Lake Simcoe.
Kincardine.....		Sept. 1887.	15...	181·68			do Georgian Bay.
Canadian.....	313	May 1888.	26...	230·59	17	24	Paddle, Toronto and Humber.
Ivy Alderson.....	110	do	27...	38·67	6	52	Screw, Port Dover and Port Ryerson.
James Buckley.....		do	27...	9·56	5	40	Fishing tug, Port Dover.
Arlington.....	100	do	31...	23·37	5	92	Screw, Toronto, ferry.

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Kathleen .....	170	May 31...	109·82	12 40	Screw, west end of Lake Ontario.
Enterprise.....	188	June 4...	148·19	13 93	do Lake Simcoe.
Isaac May .....	.....	do 8...	558·28	.....	Screw, all the lakes.
Maid of the Mist....	100	do 9...	61·97	7 48	do ferry, Niagara Falls.
Byron Trerice.....	265	do 14...	268·04	18 72	do Wallaceburg and Windsor.
C. H. Merritt.....	200	do 15...	121·58	12 88	do Chatham and Windsor.
Huron.....	500	do 16...	1052·41	50 28	G. T. R., ferry, Point Edward.
Hiawatha.....	280	do 16...	162·62	14 48	Ferry, Sarnia and Port Huron.
International.. ..	200	do 16...	850·92	42 04	G. T. R., ferry, Point Edward.
City of Dresden....	207	do 17...	193·87	15 76	Screw, Windsor and Kingsville.
Ruby.....	100	do 18...	72·22	7 85	do Port Stanley.
Ada Alice.....	64	do 22...	15·43	5 60	do Toronto ferry.
Stratford.....	50	do 24...	.....	.....	Boat towed by tug.
Lillie .....	159	do 27...	49·53	6 98	Screw, Burlington Bay.
D. Foster. ....	97	do 27...	66·05	7 66	do do
Myles .....	.....	do 25...	1210·63	53 44	do all the lakes.
Longford. ....	40	do 30...	53·29	.....	do Couchiching and Simcoe.
Orillia.....	228	do 20...	148·19	13 40	do do
Oriole.....	40	July 1...	74·79	18 00	do Muskoka Lakes.
Kenozha.....	40	do 1...	191·33	15 44	do do
Advance.....	40	do 16...	72·37	7 88	do Detroit River.
J. W. Steinhoff.....	40	do 11...	311·80	20 48	Ferry, Victoria and Black Rock.
F. B. Maxwell.....	300	do 15...	497·11	27 88	Paddle, Midland and Parry Sound.
Nipissing.....	200	Sept. 15...	275·45	19 00	do Muskoka Lakes.
Kate Murray.....	10	July 16...	3·45	5 12	Screw do
Lady of the Lake..	30	do 16...	10·35	5 40	do do
Lake Ontario.....	25	Close of nav. 1887.	411·45	35 00	do all the lakes.
Niagara (a scow)..	50	July 19, 1888	.....	.....	Niagara and Queenston, in towing.
Prowett Byer.....	50	do ...	16·40	5 48	Screw, Niagara and Queenston.
Ada E. Allen.....	.....	Close of nav. 1887.	170·10	11 80	do Sarnia and Amherstburg.
Juno.....	.....	July 21, 1888	209·50	13 40	do all the lakes.

STEAM Vessels Inspected for the Year, &c.—Western Ontario Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1888.			\$	cts.	
Winonah.....	64	July	27...	160·60	14	44	Paddle and screw, Cecebe River.
Florence.....	30	do	28...	8·42	5	32	Screw, Mary's Lake.
Northern.....	30	do	28...	98·63	8	96	Paddle do
Mary Louise.....	20	do	30...	63·62	7	56	Screw, Trading Lake.
Muskoka.....	100	do	29...	98·98	8	90	do Muskoka Lakes.
Cecebe.....	7	do	7...	11·35	5	44	do Cecebe River.
Lady Katrine.....		do	26...	16·04			Tug do
Sovereign.....	30	Aug.	3...	684·08	45	36	Screw, all the lakes.
C. W. Chamberlin.....		do	5...	384·93	20	40	do do
Anogano.....	25	do	11...	18·73	5	76	do Muskoka Lakes.
Dolphin.....	30	do	15...	12·63	5	52	Screw, Toronto Bay.
Maggie Mason.....	50	Close of nav.	1887.	24·95	6	00	do Burlington Bay.
Tender.....	30	Aug. 19, 1888	1888.	30·50	6	20	do Georgian Bay.
Cherakee.....	30	do	19...	179·33	12	10	do do
Telegram.....	40	do	22...	321·59	20	88	do do
Augusta.....				57·11	7	28	do St. Catharines.
Queen.....	25	Aug.	26...	6·63	5	28	do Lake Simcoe.
W. M. Alderson.....	200	do	31...	121·09			do Georgian Bay.
Lothair.....		Sept.	15...	419·92	21	45	do freight, all the lakes.

THOS. HARBOTTLE,

*Hull Inspector.*

## STEAM Vessels Inspected for the Year ended 31st December, 1887.

## EAST ONTARIO DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
<i>Passenger Steamers.</i>		1888.		\$ cts	
Pierepont. ....	415	April 12 ....	251 98	18 08	Paddle wheel.
Maud. ....	390	do 13 ....	292 81	19 72	do
Resolute. ....	25	do 16 ....	336 27	21 44	Twin screws.
Norseman. ....	450	do 19 ....	782 71	39 32	Paddle wheel.
Armenia. ....	300	do 20 ....	109 99	12 40	Screw.
Quinté. ....	400	do 20 ....	439 90	25 60	Paddle wheel.
Desoronto. ....	85	do 21 ....	67 91	7 72	Screw.
Glengarry. ....	25	do 23 ....	494 83	27 80	Screw, freight and passenger.
Hero. ....	425	do 27 ....	342 12	21 68	Paddle wheel.
Alexandria. ....	580	do 29 ....	863 15	42 52	do
Empress of India. ....	680	do 30 ....	579 05	31 16	do
Reliance. ....	25	May 6 ....	220 36	16 80	Twin screws.
Olive. ....	10	do 4 ....	213 44	16 52	Screw, freight and passenger.
Ida. ....	50	do 3 ....	247 26	17 88	do do
Rideau Belle. ....	50	do 5 ....	130 59	13 24	do do
Princess Louise. ....	190	do 9 ....	114 88	12 60	Screw.
Reindeer. ....	140	do 11 ....	58 29	7 32	do
Varuna. ....	188	do 11 ....	134 04	13 36	do
Ella Ross. ....	100	do 12 ....	324 88	21 00	Paddle wheel.
Mary Ethel. ....	53	Dec 30, 1887 1888.	98 61	8 96	Centre wheel, ferry.
Nellie Cuthbert. ....	90	May 13 ....	59 03	7 36	Screw.
Annie Gilbert. ....	30	do 14 ....	19 00	5 80	do
Belle Amelia. ....	39	June 4 ....	3 80	5 16	do
Rothsay. ....	600	do 11 ....	839 24	41 56	Paddle wheel.
Cathrine. ....	30	do 16 ....	14 76	5 60	Screw.
Ivy. ....	35	do 16 ....	7 43	5 28	do
Myrtle. ....	30	do 17 ....	9 40	5 36	do
Chaffy. ....		None issued.	42 44	6 72	do
City of Belleville. ....	250	June 20 ....	101 17	12 04	do

STEAM Vessels Inspected for the Year, &c.—East Ontario Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
<i>Passenger Steamers—</i>		1888.		\$ cts.	
<i>Concluded.</i>					
Florence.....	35	June 20 .....	5·99	5 24	Screw.
Transit .....	450	do 22.....	140·81	13 60	Twin screws.
St. Julian ....	30	do 24.....	9·86	5 40	do
Island Queen .....	263	do 30.....	98·09	8 92	do
Fearless.....	80	do 29.....	46·38	6 84	do
Pioneer.....	34	July 11.....	28·07	6 12	do
Beaver .....	75	do 13.....	18·00	5 72	do
Golden Eye.....	170	do 14.....	287·60	19 52	Paddle wheel.
Fairy.....	40	do 15.....	23·06	5 92	Screw.
Cruiser.....	61	do 15.....	31·00	6 24	do
Dominion.....	100	do 18.....	45·88	6 96	Paddle wheel.
Mary Louise.....	40	do 19.....	10·00	5 40	Screw.
Eva .....	90	do 18.....	33·60	6 34	do
Beaubocage.....	150	do 25.....	129·00	13 16	Paddle wheel.
Esturion.....	272	do 25.....	118·36	12 72	do
Maple Leaf.....	35	do 26.....	26·08	6 04	Screw.
Ometa .....	20	May 13.....	21·59	5 88	do
Grenada.....	130	Aug. 9.....	57·00	7 28	do
Princess Louise. ....	76	do 9.....	45·32	6 80	do
Alert .. .....	40	do 10 ...	49·83	7 09	do
Alaska .....	100	do 11.....	48·74	6 92	do
Lily Nicholson.....	40	Sept. 1.....	18·22	5 72	do
Prince Edward.....	50	do 15.....	18·22	5 72	Centre wheel, ferry.

STEAM Vessels Inspected for the Year, &c.—East Ontario Division—*Continued.*

Name of Vessel.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
<i>Freight Steamers.</i>		1888.	\$ cts.	
D. D. Calvin .....	April 13.....	749·53	35 00	Screw.
Scotia .....	do 14 .....	628·51	30 16	do
Nile.....	do 22 .....	96·30	8 84	do
D. B. Van Allen.....	May 16 .....	317·95	17 72	do
Belle Wilson .....	do 17.....	185·80	12 40	do
Freemason .....	do 14.....	104·82	9 20	do
Robert Anglin .....	do 11.....	97·18	8 88	do
Saxon .....	June 6.....	180·90	12 24	do
Khartoum .....	do 14 .....	62·71	7 52	do
Myles .....	Sept. 5 .....	1,210 63	53 44	do
<i>Yacht Steamers.</i>				
Water Lily.....	May 20.....	4 00	5 16	do
Oriole.....	June 14.....	2·66	5 12	do
Dream .....	do 15.....	12·16	5 48	do
Clipper.....	do 15.....	3·75	5 16	do
Zephyr.....	do 15.....	19·27	5 76	do
Eva.....	do 16.....	2·25	5 08	do
Spray.....	do 17 .....	4·19	5 16	do
Vesper .....	do 17.....	2 49	5 12	do
Pomona .....	do 18.....	4·88	5 20	do
Ruby.....	do 27.....	1·63	5 08	do
Carlton .....	July 7.....	8 00	5 32	do
Echo.....	Aug. 12.....	6·06	5 24	do
Tropic.....	do 26.....	8·86	5 36	do
Victor.....	Sept. 15 .....	1·94	5 08	do
<i>Tug Steamers.</i>				
Rescue.....	April 21.....	52·29	7 08	do
Glide .....	do 23.....	77·90	8 12	do
D. G. Thomson .....	do 25.....	185·05	12 40	do

## STEAM Vessels Inspected for the Year, &amp;c.—East Ontario Division—Continued.

Name of Vessel.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
<i>Tug Steamers—Continued.</i>			\$ cts.	
Jessie Hall.....	1888. April 25.....	56 54	7 28	Screw.
Active.....	do 25.....	345 88	18 84	do
Cheiftain.....	do 26.....	434 68	22 40	Paddle wheel.
John A. Macdonald.....	do 26.....	273 00	15 92	do
Traveller.....	do 26.....	207 52	13 32	do
McArthur.....	do 27....	190 48	12 60	Screw.
Thistle.....	do 28.....	36 02	6 44	do
Hiram A. Calvin.....	May 10.....	300 00	17 00	Paddle wheel.
Wm. Johnston.....	do 10.....	73 70	8 24	Screw.
Eliza Bonar.....	do 14.....	25 68	6 04	do
D. P. Dey.....	do 18....	11 26	5 44	do
Lizzie.....	do 18.....	24 00	5 96	do
John Hunter.....	do 18.....	32 14	6 28	do
Toneata.....	do 23.....	14 02	5 56	do
Frank Perew.....	do 28.....	43 02	6 72	do
Edmond.....	do 25.....	39 10	6 56	do
Sarah Daly.....	do 31.....	24 61	6 00	do
Col. By.....	do 28.....	9 31	5 36	do
H. F. Bronson.....	June 2.....	137 12	10 48	do
Lily.....	do 2.....	16 01	5 64	do
Eleanor.....	do 10.....	24 97	6 00	do
Gilbert.....	do 21.....	40 83	6 64	do
Anna.....	do 22.....	7 89	5 32	do
Peerless.....	May 28.....	25 61	6 04	do
Albert Wright.....	do 1.....	29 00	6 16	do
Sunbeam.....	July 13.....	13 43	5 52	do
Undine.....	do 16.....	4 90	5 20	do
Mary Ellen.....	do 18.....	81 20	8 24	Paddle wheel.
Waterwitch.....	do 21.....	9 20	5 36	Screw.
Stranger.....	do 23.....	28 00	6 12	do

STEAM Vessels Inspected for the Year, &c.—East Ontario Division—*Concluded.*

Name of Vessel.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
<i>Tug Steamers—Concluded.</i>		1888.		
			\$ cts.	
Bella Fair .....	July 27.....	6-60	5 28	Screw.
Nora.....	do 29.....	28-13	6 12	do
Ontario .....	Aug. 11.....	58-88	7 28	do
Dora .....	July 13.....	20-28	5 80	do
May Flower .....	Aug. 24.....	4-20	5 16	do
Enterprise .....	do 24.....	60-38	7 40	Paddle wheel.
Ripple .....	do 25.....	18-05	5 64	Screw.
Maggie R. King .....	Sept. 12.....	27-13	6 08	do
Total .....		15,320-50	1,267 22	



## STEAM Vessels not Inspected for the Year ended 31st December, 1887.

## EAST ONTARIO DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks. Why not Inspected and Class of Vessel
Utica .....	52·00	39·00	.....	Not employed—Screw, passenger.
Anglo-Saxon .....	69·01	43·41	.....	do Paddle, tug.
Seaborn .....	9 00	8·00	.....	do Screw, yacht.
M. P. Davis .....	11·26	7·66	.....	do do tug.
Pilgrim .....	18·64	15 42	.....	do do passenger.
Conqueror .....	198·73	15·25	.....	do Paddle, tug.
Emma Munson .....	32·63	13·08	.....	do Screw do
Ontario .....	80·11	50·47	.....	do Paddle do
Whistle Wing .....	87·90	70·80	.....	do do do
Marquis of Lorne .....	20·19	10·59	.....	do Screw, yacht.
Pearl .....	7·70	5·30	.....	do do passenger.
	587·17	278·98	.....	

Total Number of Vessels, 128.

Total Gross Tonnage of all the Vessels—tons, 15,907·67.

Total Number of Vessels Inspected, 117.

Total Gross Tonnage of the Vessels Inspected, 15,320·50.

Total Amount of Dues and Fees Collected on account of Inspection. \$1,267 22

Total Amount of Engineers' Fees Collected, to 30th August ..... 54 00

Total Fees Collected..... \$1,321 22

EDWARD ADAMS,  
*Engine Inspector.*

## STEAM Vessels Inspected for the Year ended 31st December, 1887.

## EASTERN DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1887.			\$	cts.	
Norseman .....	450	Close navigation		782·71	39	32	Paddle.
Resolute .....	25	do	...	336·27	21	44	Screw, freight & pass'r
Scotia .....	.....	do	...	628·51	30	16	do do
D. D. Calvin .....	.....	do	...	749·53	35	00	do do
Quinté .....	500	do	...	439·09	25	60	Paddle.
Armenia .....	300	do	...	109·99	12	40	Screw.
Deseronto .....	85	do	...	67·91	7	72	do
Glengarry .....	25	do	...	494·83	27	86	do
Maud .....	390	do	...	292·81	19	72	Paddle.
Hero .....	425	do	...	249·07	21	68	do
Alexandria .....	580	do	...	863·15	42	52	do
Empress of India .....	680	do	...	579·05	31	16	do
Celtic .....	60	do	...	698·04	35	91	Screw, freight & pass'r.
Ida .....	50	do	...	247·26	17	85	do do
Olive .....	8	do	...	213·44	16	52	do do
Rideau Bell .....	50	do	...	130·59	13	24	do do
Reliance .....	25	do	...	220·36	16	80	do do
Princess Louise .....	190	May	9.....	114·88	12	60	do do
Pierrepoint .....	415	do	10.....	251·98	18	08	Paddle, ferry.
Reindeer .....	140	do	18.....	58·29	7	32	Screw.
Veruna .....	188	do	18.....	134·04	13	36	do
Ella Ross .....	100	do	31.....	324·88	21	00	Paddle.
Mary Ethel .....	50	October	30.....	98·61	8	96	do ferry.
Nellie Outhbert .....	90	Close navigation		59·03	7	36	Screw.
D. R. Vanallen .....	.....	do	...	317·95	12	72	do freight.
Annie Gilbert .....	30	May	14.....	19·00	5	80	do passenger.
Bella Wilson .....	.....	do	16.....	185·08	12	40	do freight.
Saxon .....	.....	Close navigation		180·90	12	24	do do
Dolphin .....	20	do	...	12·63	5	62	do passengers.

## STEAM Vessels Inspected for the Year, &amp;c.—Eastern Division—Continued.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1887.			\$	cts.	
Rothsay .....	600	June	21 .....	839·24	41	56	Paddle.
Myrtle .....	30	do	21 .....	9·40	5	36	Screw.
Catharine .....	30	Close navigation		14·76	5	60	do passenger.
Transit .....	450	October	30 .....	140·81	13	60	do ferry.
City of Belleville.....	250	Close navigation		101·17	12	04	do do
Florence .....	35	do	...	5·99	5	24	do passenger.
St. Julian .....	30	June	18 .....	9·86	5	40	do do
Bell, Amelia .....	35	do	23 .....	3·88	5	16	do do
Khartoum .....	70	do	28 .....	62·71	7	52	do do
Fearless .....	80	do	28 .....	46·38	6	84	do do
Island Queen .....	260	do	30 .....	98·09	8	92	do do
Pioneer .....	40	July	1 .....	28·07	6	12	do do
Ivy .....	35	do	9 .....	7·43	5	28	do do
Princess Louise .....	76	do	9 .....	45·32	6	80	do do
Beaver .....	75	do	15 .....	18·00	5	72	do do
Ark .....	192	do	15 .....	48·70	1	96	Passenger, barge.
Golden Eye .....	170	Close navigation		287·60	19	52	Paddle, passenger.
Otonabee .....	250	July	14 .....	49·00	1	96	Passenger, barge.
Cruiser .....	70	do	15 .....	31·00	6	24	Screw, passenger.
Fairy .....	40	do	15 .....	45·88	5	92	do do
Eva .....	90	do	18 .....	33·60	6	36	do do
Dominion .....	100	do	18 .....	45·88	6	96	do do
Paragon .....	400	do	19 .....	71·25	2	84	Passenger, barge.
Marie Louise .....	40	do	20 .....	10·00	5	40	Screw, passenger.
Esturion .....	272	do	21 .....	118·36	12	72	Paddle do
Beaubocage .....	150	Close navigation		129·00	13	16	do do
Paloma .....	600	July	25 .....	122·00	9	76	Passenger, barge.
Maple Leaf .....	35	do	26 .....	26·08	6	04	Screw, passenger.
Omata .....	20	do	27 .....	21·59	5	88	do do
Enterprise .....	375	August	9 .....	7·62	0	32	Passenger, barge.

STEAM Vessels Inspected for the Year, &c.—Eastern Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		\$ cts.	
Grenada .....	130	August 15.....	57·08	7 28	Screw, passenger.
Alaska .....	100	do 16.....	48·74	6 92	do do
Echo .....	30	do 17.....	6·06	5 24	do do
Prince Edward .....	50	do 23.....	18·22	5 72	Paddle, ferry.
Alert.....	40	do 30 .....	49·83	7 00	Screw, passenger.
Lily Nicholson.....	30	Sept'r 1.....	11·62	5 52	do do
<b>Total.....</b>	.....	.....	.....	.....	.....

JAMES DICK,  
*Steamboat Inspector.*

STEAM Vessels Inspected for the Year ended 31st December, 1887.  
MONTREAL DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.	
				\$	cts.		
		1888.					
Transfer.....	400	Feb. 15...	619	24	76	8	Side-wheel, passenger.
John R. Booth.....		May 4...	132	5	28	5	Screw, tug.
Ivy.....		do 4...	76	3	04	5	Side-wheel do
Agnes McMahon.....		do 4...	82	3	28	5	Screw do
Elgin.....		do 4...	108	4	32	5	do do
Booth.....		do 5...	234	9	36	5	Side-wheel do
Nosbonsing.....		do 5...	25	1	00	5	Screw do
Dauntless.....		do 6...	342	13	68	5	Side-wheel do
Hiram Robinson.....		do 6...	61	2	44	5	Screw do
H. F. Bronson.....		do 6...	72	2	88	5	do do
Ottawa.....	150	do 6...	116	4	64	8	Side-wheel, passenger.
Maggie.....		do 6...	57	2	28	5	Centre-wheel, tug.
Rambler.....	20	do 6...	8	0	32	5	Screw, passenger.
Walter B.....	80	do 6...	28	1	12	5	do do
Pembroke.....		do 7...	162	6	48	5	Side-wheel, tug.
Levi Young.....		do 7...	75	3	00	5	Screw do
H. F. Baldwin.....		do 7...	177	7	08	5	do do
Empress.....	800	do 8...	677	27	08	8	Side-wheel, passenger.
Express.....	100	do 9...	100	4	00	8	do do
Ada.....		do 9...	28	1	12	5	Screw, tug.
G. H. Notter.....		do 9...	13	0	52	5	do do
Dandy.....		do 9...	46	1	84	5	do do
Allan Gilmour.....		do 9...	61	2	44	5	do do
John, Heney.....		do 9...	19	0	76	5	do do
Sir John.....		do 9...	61	2	44	5	do do
Raftsmen.....		do 10...	94	3	76	5	Side-wheel do
Prince of Wales.....	501	do 12...	610	24	40	8	do passenger.
Alfred Demers.....		do 12...	47	1	88	5	Screw, tug.
Nellie Reid.....		do 12...	55	2	20	5	do do
Mattanan.....		do 16...	347	13	88	5	do freight.

## STEAM Vessels Inspected for the Year, &amp;c.—Montreal Division—Continued.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
				\$	cts.	
		1888.		\$	\$	
Houghton.....		May 16...	49	1 96	5	Screw, tug.
Cultivateur.....	100	do 16...	152	6 08	8	Centre-wheel, passenger.
Grain Elevator No. 9.....		do 17...	172	6 88	5	Screw.
do 14.....		do 17...	181	7 24	5	do
do 13.....		do 17...	178	7 12	5	do
do 10.....		do 18...	173	6 92	5	do
do 1.....		do 18...	83	3 32	5	do
do 4.....		do 18...	188	7 52	5	do
do 12.....		do 18...	183	7 32	5	do
do 11.....		do 18...	169	6 76	5	do
do 6.....		do 18...	170	6 80	5	do
do 9.....		do 18...	170	6 80	5	do
Maude.....	350	do 20...	269	10 76	8	Side-wheel, passenger.
Princess.....	453	do 20...	579	23 16	8	do do
Dagmar.....	400	do 20...	405	16 20	8	do do
Laprairie.....	977	do 25...	523	20 92	8	do do
1,000 Island Rambler.....	75	do 25...	20	0 80	5	Screw do
Filgate.....	500	do 27...	263	10 52	8	Side-wheel do
Florence.....		do 30...	62	2 48	5	Screw, tug.
Dolphin.....		do 31...	69	2 76	5	do do
S. S. Coban.....	50	June 1...	1,063	42 52	8	do freight passenger.
Water Lily.....		do 2...	95	3 80	5	do freight.
Gatineau.....		do 7...	133	5 32	5	do do
Crusier (yacht).....		do 8...	55	2 20	5	do private yacht.
Minnie Bell.....		do 8...	20	0 80	5	do tug.
Vesta (yacht).....		do 8...	14	0 56	5	do private yacht.
Resolute.....		do 9...	30	1 20	5	do tug.
Windermere (yacht).....		do 9...	35	1 40	5	do private yacht.
Rose.....		do 14...	121	4 84	5	do freicht.
Longueuil.....	800	do 15...	365	14 60	8	Side-wheel, passenger.

STEAM Vessels Inspected for the Year, &c.—Montreal Division — *Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
				\$	cts.	
		1888.				
South Eastern.....	700	June 15...	395	15 80	8	Screw, passenger.
Owens.....		do 15...	156	6 24	5	Side-wheel, tug.
Geo. A. Harris.....		do 16...	87	3 48	5	Screw, tug.
Pearl (yacht).....	25	do 16...	5	0 20	5	do yacht, passenger.
Bertie (yacht).....	25	do 16...	2	0 08	5	do do
Adirondack (yacht).....	12	do 18...	12	0 48	5	do do
Antelope.....		do 10...	82	3 28	5	do tug.
Hiram Easton.....		do 11...	34	1 36	5	do do
E. B. Eddy.....		do 22...	78	3 12	5	do do
Jennie (yacht).....		do 24...				do
Georgiana.....		do 25...	53	2 12	5	do tug.
Welshman.....		do 30...	143	5 72	5	do freight.
SS. Cacouna.....		July 2...	1,451	58 04	8	do do
W. C. Francis.....		do 4...	37	1 48	5	do tug.
H. Bonnefant.....	25	do 16...	22	0 88	5	Centre-wheel, passenger.
G. B. Pattie.....		do 19...	272	10 88	5	Side-wheel, tug.
Janet Craig.....	50	do 19...	12	0 48	5	Screw, passenger.
G. B. Pattie.....		do 20...	30	1 20	5	do tug.
Monitor.....		do 20...	333	13 22	5	Side-wheel, tug.
Chaudiere.....		do 20...	282	11 28	5	do do
E. Davis.....		do 20...				
Castor.....		do 20...	54	2 16	5	Screw, tug.
Geo. H. Milken.....		do 21...	11	0 44	5	do do
High Rock.....		do 22...	7	0 28	5	do do
Agnes.....	50	do 22...	29	1 16	5	do passenger.
Eva.....	25	do 22...	6	0 24	5	do do
Reckland.....		do 22...	78	3 12	5	do tug.
Mouche a Feu.....	50	do 22...	20	0 80	5	Centre-wheel, passenger.
Bonito.....	30	do 23...	17	0 68	5	Screw, passenger.
Glide.....	100	do 23...	80	3 20	5	do do

STEAM Vessels Inspected for the Year, &c.—Montreal Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dués and Inspection Fees Paid.		Remarks.	
				\$	cts.		
		1888.		\$	cts.	\$	
John.....	50	July 23...	35	1	40	5	Centre-wheel, passenger.
Vermont.....		do 25...	206	8	24	5	Side-wheel, tug.
Lady of Lake.....	700	do 28...	607	24	28	8	do passenger.
Newport.....		do 27...	12	0	48	5	Screw, tug.
Mountain Maid.....	250	do 27...	118	4	72	8	Side-wheel, passenger.
Albion (yacht).....	22	do 28...	7	0	28	5	Screw, passenger.
Alexandria (yacht).....		do 28...	53	2	12	5	do private yacht.
Maraque.....		Aug. 3...	136	5	44	5	Side-wheel, tug.
Calumette.....		do 5...	40	1	60	5	Screw, tug.
T. H. Nasmith.....		do 11...	49	1	96	5	do do
Rigeaud.....		do 11...	46	1	84	5	do do
Garnet.....	242	do 12...	98	3	92	5	Side-wheel, passenger.
Humber.....		do 13...	13	0	52	5	Screw, tug.
Tim Doyle.....		do 15...	20	0	80	5	do do
Gertie.....		do 16...	17	0	68	5	do do
Bella (yacht).....		do 18...	3	0	12	5	do private yacht.
H. Hebert.....		do 18...					
Swan.....		do 22...					do tug.
Minerve.....		do 24...					do passenger.
Argo.....		do 24...	154	6	16	8	Side-wheel do
Mattawan.....		do 26...					Screw do
Lottie.....		do 26...					do do
Marien.....		do 26...					do do
Charlotte.....		do 26...					do do
Shickluna.....		do 30...	66	2	64	5	do tug.
Belmont.....	329	Sept. 1...	133	5	32	8	Side-wheel, passenger.
Doctor.....		do 6...	3	0	12	5	Screw, tug.
Arctic.....		do 6...	65	2	60	5	do do
Fanny (yacht).....		do 6...	1	0	04	5	do private yacht.
Total.....			16,191	647	64	607	



## Steam Vessels not Inspected for the Year ended 31st December, 1887.

## MONTREAL DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks, why not Inspected and Class of Vessel.
Carillen.....	128	.....	.....	Not employed; side-wheel, tug.
Zebra.....	30	.....	.....	do screw, tug.
Eadie May.....	9	.....	.....	Not applied for do passenger.
St. Anne.....	25	.....	.....	do do tug.
Aries.....	6	.....	.....	do do do
Manxman.....	74	.....	.....	Taken to Quebec District.
Star.....	366	.....	.....	Not employed; sunk at Lachine.
Sportsman.....	34	.....	.....	Not employed.
Aid.....	25	.....	.....	Will be inspected yet.
Caribou.....	115	.....	.....	do do
C. Anderson.....	105	.....	.....	do do
Percy.....	7	.....	.....	do do
I. K. Ward.....	23	.....	.....	Not applied for yet.
Lulu.....	2	.....	.....	do do
Linda.....	6	.....	.....	do do
Isle au Noix.....	14	.....	.....	Taken to Lake Megantic.
Spray.....	42	.....	.....	Reported sunk in Nation River.
Plover.....	43	.....	.....	Not applied for yet.
G (yacht).....	3	.....	.....	Not ready as agreed on.
New York.....	123	.....	.....	Not employed.
Montarville.....	268	.....	.....	do
S. S. Bonavista.....	1,306	.....	.....	Will be inspected yet.
Chipmonk (yacht).....	12	.....	.....	Not applied for.
Gilbert.....	41	.....	.....	Working in Kingston District.
Robert Stoker.....	13	.....	.....	Not applied for.
Charlotte.....	59	.....	.....	Aground all summer.
Kate.....	23	.....	.....	Not employed.
Grain Elevator No. 2.....	172	.....	.....	do
do No. 5.....	80	.....	.....	do
Total.....	3,154	.....	.....	

JOHN BURGESS, *Steamboat Inspector.*

## STEAM Vessels Inspected for the Year ended 31st December, 1887.

## QUEBEC DIVISION.

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		\$ cts.	
Miramichi .....	300	Nov. 25 .....	727	37 08	Side-wheel, pass., Montreal and Pictou.
Otter .....	150	do 25 .....	219	16 76	Screw do Gulf St. Lawrence.
Etoile .....	591	do 25 .....	560	30 40	Side-wheel do Quebec and Montreal.
Greetland .....	40	do 25 .....	1,091	51 61	Screw do Montreal and St. John. Nfld.
Contest .....	150	do 25 .....	231	17 24	Side-wheel, pass., mail tender, Rimouski
Brothers .....	526	do 25 .....	262	18 48	do do Quebec and St. Anne.
Pilot .....	350	May 1 .....	426	25 01	Screw, winter ferry, Quebec and Lévis.
Polaris .....	250	do 1 .....	533	29 32	do do
Queen .....	350	do 1 .....	367	22 68	do do
South .....	450	Nov. 25 .....	349	21 96	Side-wheel, ferry do
North .....	450	do 25 .....	289	19 56	do do
Olivia Gordon .....		do 25 .....	36	6 44	Screw, Quebec Harbor tug.
Montmagni .....	450	do 25 .....	351	22 01	Side-wheel, pass., Quebec and Berthier.
Sensation .....		do 25 .....	15	5 60	Screw, Quebec Harbor tug.
Challenger .....		do 25 .....	73	7 92	do do and Gulf.
Orleans .....	475	do 25 .....	181	15 24	do ferry, Quebec and Isle Orleans.
Lévis .....	350	do 25 .....	156	14 24	do do do Romuald.
Vega .....	250	do 25 .....	132	13 28	do do do do
Champion .....		do 25 .....	185	12 40	do tug, Gulf & River St. Lawrence.
St. Lawrence .....	700	do 25 .....	869	42 76	Side-wheel, pass., Quebec & Chicoutimi.
Union .....	771	do 25 .....	687	35 48	do do do
Magnet .....	500	do 25 .....	1,029	49 16	do do do
Canada .....		do 25 .....	234	14 36	do tug, Montreal and Quebec.
Bienvenu .....	600	do 25 .....	648	33 92	do pass, Quebec and St. Ann.
St. Croix .....	541	do 25 .....	445	25 80	do do do St. Croix.
Pilgrim .....	455	do 25 .....	262	18 48	do do do St. Nicolas.
St. Louis .....	529	do 25 .....	428	25 12	do do do St. Jean.
Ida .....	35	do 25 .....	6	5 24	Screw do Lake St. Joseph.
Flora .....		do 25 .....	50	7 00	do Quebec Harbor tug.
Rhoda .....		do 25 .....	182	12 28	Side-wheel, tug, River St. Lawrence.

STEAM Vessels Inspected for the Year, &c.—Quebec Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		\$ cts.	
Lake.....		Nov. 25.....	145	10 80	Screw, tug, Gulf St. Lawrence.
Aurelia.....		do 25.....	32	6 28	Screw, tug, Quebec Harbor.
Asilda.....		do 25.....	24	5 96	do do do
Acadian.....	Freight	July 22.....	931	42 24	do freight, Montreal and Gulf.
Fairy.....		Nov. 25.....	16	5 64	do tug, Quebec Harbor.
C. Hollowell.....		do 25.....	9	5 36	do do do
Thor.....		do 25.....	322	17 88	Side-wheel, tug, Saguenay River.
Belle.....		do 25.....	51	7 04	Screw do do
Coukoo.....		do 25.....	6	5 24	do do do
Batiscan.....		do 25.....	40	6 60	Side-wheel do Quebec and Batiscan.
Kinogomi.....		do 25.....	21	5 84	Screw do Saguenay River.
Rival.....		do 25.....	125	10 00	Side-wheel do Quebec and Montreal.
St. Roch.....		do 25.....	18	5 72	Screw do Quebec Harbor.
Anglesea.....		do 25.....	163	11 12	Side-wheel do Montreal and Quebec.
Beaver.....		do 25.....	273	15 92	do do do
William.....		do 25.....	276	16 04	do do do
Randolph.....		do 25.....	16	5 64	Screw do Quebec Harbor.
Jenette.....		do 25.....		5 00	do pleasure yacht.
Chicoutimi.....		do 25.....		5 00	do tug, Chicoutimi Harbor.
Polino.....	30	do 25.....	807	40 28	Screw, passenger and freight, Montreal and St. John, Nfld.
Sorel Boy.....		do 25.....	5	5 20	Screw, tug, Harbor.
Hope.....		do 25.....	305	17 20	Side-wheel, tug, Montreal and Sorel.
John Young.....		do 25.....	163	11 52	do do do
Silver Spray.....		do 25.....	130	10 20	Screw do Harbor.
W. F. Loggie.....		do 25.....	17	5 68	do do do
Sorel.....	300	do 25.....	158	14 32	Side-wheel, pass., Sorel and Berthier.
Rivière du Loup.....	300	do 25.....	173	14 92	do do do
Quebec.....	800	do 25.....	3,058	130 24	do do Quebec and Montreal.
Rocket.....		do 25.....	590	31 60	do tug, Montreal and Quebec.
Terrebonne.....	450	do 25.....	601	32 04	do Montreal and Contrecoeur.

## STEAM Vessels Inspected for the Year, &amp;c.—Quebec Division—Continued.

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		\$ cts.	
Prince Arthur....	350	Nov. 25.....	635	33 40	Side-wheel, Sorel and Berthier.
Montreal .....	809	do 25.....	2,211	96 44	do pass., Quebec <sup>2</sup> & Montreal.
Trois-Rivières....	1,000	do 25.....	1,710	76 40	do do Montreal and Three Rivers.
Chambly .....	600	do 25.....	647	33 88	do do Montreal and Chambly.
Bohemian .....	500	do 25.....	1,138	53 52	do do Montreal and Valleyfield.
Hochelaga .....	775	do 25.....	419	24 76	do do Montreal and Longueuil.
Berthier .....	900	do 25.....	1,101	52 04	do do Montreal and St. Helen Island.
Spartan .....	400	do 25.....	1,168	54 72	do do Montreal & Toronto.
Corsican .....	400	do 25.....	1,203	56 12	do do do do
Algerian .....	400	do 25.....	914	44 56	do do do do
Canada .....	1,200	do 25.....	2,009	88 36	do do do Ste. Anne
Corinthian .....	400	do 25.....	1,063	50 48	do do do Toronto.
Mouche à Feu ...	300	do 25.....	214	16 56	do do do Terrebonne
Lizzie .....		do 25.....		5 00	Screw, pleasure yacht.
Albani .....		do 25.....	58	7 32	do do
Ed. Arpin.....	25	do 25.....	5	5 20	do excursion, Sorel.
Vesta .....		do 25.....	4	5 16	do tug, Three Rivers Harbor.
Arthur .....		do 25.....	33	6 32	Side-wheel, tug do do
Como .....	100	do 25.....	75	8 00	do passenger, Three Rivers & Nicolet.
Glacial .....	145	do 25.....	109	12 36	Screw, ferry, Three Rivers and St. Angèle.
Bourgeois .....	200	do 25.....	170	11 80	Side-wheel, ferry, Three Rivers and St. Angèle.
Canadian .....	60	do 25.....	26	6 04	Screw, excursion, Sorel.
Mersey .....		do 25.....	60	7 40	do Quebec Harbor, tug.
Margaret .....		do 25.....	64	7 56	do do do
Isabel .....		do 25.....	51	7 04	do do do
Hope .....		do 25.....	15	5 60	do do do
Latuque .....		do 25.....	50	7 00	Side-wheel, tug.
Laval .....		do 25.....	90	8 60	do do
St. George .....		do 25.....	13	5 52	Screw, Quebec Harbor, tug.
Stormy Petrel ...		do 25.....	11	5 44	do do do
Hubert Larkin...		do 25.....	49	6 96	do do do

STEAM Vessels Inspected for the Year, &c.—Quebec Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
				\$	cts.	
		1887.				
St. Peter .....	Crew only.	End of Season	44	6	76	Screw, attending dredges.
Delisle .....	do ...	do ...	45	6	80	do do
St. Francis .....	do ...	do ...	55	7	20	do do
M. F. Pearson ...	do ...	do ...	45	6	80	do do
John Pratt .....	do ...	do ...	70	7	80	do do
St. James .....	do ...	do ...	91	8	64	do do
St. Paul.....	do ...	do ...	45	6	80	do do
St. Louis .....	do ...	do ...	34	6	36	do do
J. C. Bridges .....	do ...	do ...	39	6	56	do do
McNaughton .....	do ...	do ...	137	10	48	do do
Rudolph .....	do ...	do ...	116	9	64	Side-wheel, river tug.
C. W. Jones ...	do ...	do ...	37	6	48	Screw, harbor tug.
Florence .....	do ...	do ...	113	9	52	do do
Victor .....	do ...	do ...	35	6	40	do do
Dauntless .....	do ...	do ...	81	8	24	do do
Ida .....	do ...	do ...	15	5	60	do do
Diver .....	do ...	do ...	86	8	44	do wrecking schooner.
Forest .....	do ...	do ...	26	6	04	do pleasure yacht.
Florence (sch'r).	do ...	do ...	133	10	32	do wrecking schooner.
Castor .....	do ...	do ...	93	8	72	Side-wheel, river tug.
Pioneer .....	do ...	do ...	176	12	04	do tug, Lake St. John
Honkey Dorey...	do ...	do ...	5	5	20	Screw, tug, Quebec Harbor.
J. R. Souter..	do ...	do ...	11	5	44	do do
May Flower .....	do ...	do ...	13	5	52	do do
Activity .....	do ...	do ...	15	5	60	do do
Patrick Murphy..	do ...	do ...	10	5	40	do do
Two Brothers .....	do ...	do ...	23	5	92	do do
Anna Marie .....	do ...	do ...	Not registered.	.....	.....	Screw, pleasure yacht.
Lena .....	do ...	do ...	do	.....	.....	do do
Johanna B.....	do ...	do ...	17	5	68	do tug, Quebec Harbor.
Total.....	.....	.....	36,410	2,180	40	

JOS. SAMSON, *Boiler and Machinery Inspector.*

## STEAM Vessels not Inspected for the Year ended 31st December, 1887.

## QUEBEC DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks. Why not Inspected and Class of Vessel.
Conqueror No. 2 .....	233	25	Not paid...	Not employed, side-wheel, tug, Gulf.
Nimi .....	68	46	do ...	do screw, pleasure yacht.
Bee .....	61	32	do ...	do side-wheel, tug, river.
Eujenie .....	258	150	do ...	do do ferry, Island of Orleans.
Eclipse .....	366	219	do ...	do do tug, Montreal and Quebec.
Gatineau .....	175	79	do ...	do do do
Helen .....	135	85	do ...	do do do
Shannon .....	64	129	do ...	do screw, Montreal and Quebec.
Hercules .....	199	125	do ...	do side-wheel do
Hero .....	209	131	do ...	do do do
Powerful .....	199	126	do ...	do do do
Maid of Orleans .....	120	76	do ...	do do do
Swallow .....	3	2	do ...	do screw, Quebec Harbour, tug.
Albion .....	171	107	do ...	do side-wheel, tug, Montreal and Quebec.
Batsiamist .....	50	31	do ...	do do do
Boston .....	321	137	do ...	do do do
Cultivateur .....	687	433	do ...	do do passenger, Montreal and Sorel.
Passport .....	1,034	593	do ...	do do do Montreal and Toronto.
James .....	127	31	do ...	do do tug, Montreal and Quebec.
Lady Dufferin .....	5	3	do ...	do screw, harbour tug.
Resolute .....	139	40	do ...	do do
Maggie Belle .....	372	226	do ...	do side-wheel, tug, Montreal and Quebec.
Relief .....	381	193	do ...	do screw, wrecker, Gulf.
	5,597	2,819		

JOS. SAMSON,  
Boiler and Machinery Inspector.

## STEAM Vessels Inspected for the Year ended 31st December, 1887.

## QUEBEC AND MONTREAL DIVISIONS.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
1887.					
Quebec.....	800	Nov. 25.....	3,056	130 24	Side-wheel, passenger, Quebec and Montreal.
Montreal.....	800	do 25.....	2,211	96 44	do do
Chambly.....	600	do 25.....	647	33 88	Side-wheel, passenger, Montreal and Chambly.
Terrebonne.....	450	do 25.....	601	32 04	Side-wheel, passenger, Montreal and Contrecoeur.
Union.....	771	do 25.....	687	35 48	Side-wheel, passenger, Quebec and Chicoutimi.
St. Lawrence.....	700	do 25.....	869	42 76	do do
Contest.....	150	do 25.....	231	17 24	Side-wheel, passenger, mail tender, Rimouski.
S. S. Otter.....	150	do 25.....	219	16 76	Screw, passenger, Quebec and Gulf ports.
S. S. Greetland.....	40	May 6.....	1,091	51 64	Screw, passenger, Montreal and St. John, Nfld.
S. S. Polino.....	30	do 7.....	807	40 28	do do
S. S. Miramichi.....	300	do 7.....	727	37 08	Side-wheel passenger, Montreal and Pictou.
Brothers.....	526	do 7.....	262	18 48	Side-wheel passenger, Quebec and St. Anne.
North.....	450	do 7.....	289	19 56	Side-wheel, passenger, Quebec and Lévis, ferry.
South.....	450	do 7.....	349	21 96	do do
Orleans.....	475	do 7.....	181	15 24	Screw, ferry, Quebec and Island of Orleans.
Montmagny.....	450	do 7.....	351	22 04	Side-wheel, passenger, Quebec and Berthier.
St. Louis.....	529	do 7.....	428	25 12	Side-wheel, passenger, Quebec and St. Jean d'Échaillon.
Etoile.....	591	do 7.....	460	30 40	do do
Pilgrim.....	455	do 7.....	262	18 48	Side-wheel, passenger, Quebec and St. Michel.
Algerian.....	400	do 7.....	914	44 56	Side-wheel, passenger, Montreal and Toronto.
Corsican.....	400	do 7.....	1,203	56 12	do do
Spartan.....	400	do 7.....	1,168	54 72	do do
Corinthian.....	400	do 7.....	1,062	50 48	do do
Prince Arthur.....	350	do 7.....	635	33 40	Side-wheel, passenger, Montreal and Quebec.
Sorel.....	300	do 7.....	158	14 32	Side-wheel, passenger, Sorel and Berthier.
Ed. Arpin.....	25	do 7.....	5	5 26	Screw do do
Trois Rivieres.....	1,000	do 7.....	1,710	76 40	Side-wheel, passenger, Montreal and Three Rivers.
Prince of Wales.....	591	do 7.....	610	32 40	Side-wheel, passenger, Montreal and Carillon.
Bohemian.....	500	do 7.....	1,138	53 52	Side-wheel, passenger, Montreal and Cornwall.

STEAM Vessels Inspected for the Year, &c.—Quebec and Montreal Division—*Con.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		\$ cts.	
Princess .....	443	do 7.....	579	31 16	Side-wheel, passenger, Montreal and Carillon.
Dagmar .....	400	do 7.....	405	24 20	do do
Maud.....	350	do 7.....	269	18 76	do do
Laprairie.....	977	Nov 25.....	523	28 92	Side-wheel, ferry, Montreal and Laprairie.
S. S. Cacouna.....	Freight	June 1, 1888...	1,451	66 04	Screw, freight, Montreal and Pictou.
S. S. Coban .....	50	do 1, 1888...	1,063	50 52	Screw, pass., Montreal and Gulf Ports.
Berthier.....	900	Nov. 25.....	1,101	52 04	Side-wheel, ferry, Montreal and St. Helen Island.
Longueuil.....	800	do 25.....	365	22 60	Side wheel, ferry, Montreal and Longueuil.
Filgate.....	500	do 25.....	263	18 52	Side-wheel, passenger, Montreal and Beauharuais.
Hochelaga.....	775	do 25.....	419	24 76	Side-wheel, ferry, Montreal and Longueuil.
Vega.....	250	do 25.....	132	13 25	Screw, ferry, Quebec and Romauld.
Lévis.....	350	do 25.....	156	14 24	do do do
Polaris. ....	250	June 18, 1888	533	29 32	do Quebec and Lévis.
Bienveun. ....	600	Nov. 25.....	646	33 92	Side-wheel, passenger, Quebec and Ste. Anne
Magnet.....	500	do 25.....	1,029	49 16	Side-wheel, passenger, Quebec and Chicoutimi.
St. Croix. ....	541	do 25.....	445	25 80	Side-wheel, passenger, Quebec and St. Croix
Ida.....	35	do 25.....	6	5 24	Screw, pleasure yacht, Lake St. Joseph
S. S. Bonavista. ....	50	June 28, 1888..	1,306	60 24	Screw, pass, Montreal and Gulf Ports.
Canada.....	1,200	Nov. 25.....	2,009	88 36	Side wheel, passenger, Quebec, Montreal and St. Ann.
Adirondock. ....	12	do 25.....	12	5 48	Screw, passenger, Sorel and Berthier.
Canadien.....	60	do 25.....	26	6 04	Screw, pleasure yacht, Montreal and Quebec.
Mouche-à-feu. ....	300	do 25.....	214	16 56	Side-wheel, passenger, Montreal and Charlemagne.
Glacial.....	145	July 2, 1888...	109	12 36	Screw, ferry, Three Rivers and St. Angèle.
Bourgeois.....	200	Nov. 25.....	170	14 80	Side-wheel, ferry, Three Rivers and St. Angèle.
Como.....	100	do 25.....	75	8 00	Side-wheel, ferry, Three Rivers and Nicolet
Le Cultivateur.....	100	do 25.....	152	14 08	Centre-wheel, ferry, Verdon and St. Catharines.
South Eastern .....	700	do 25.....	395	23 80	Screw, railway transfer, Hochelaga and Longueuil.
Boneufant .....	25	do 25.....	22	5 88	Centre-wheel, ferry, Charlemagne and Bout de l'Isle.
1,000 Island Rambler...	75	do 25.....	20	5 80	Screw, ferry, Ottawa and Hull.



STEAM Vessels Inspected for the Year, &c.—Quebec and Montreal Division—*Con.*

Name of Vessel.	Number of Passengers Allowed	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1887.		\$ cts	
Ottawa.....	150	Nov. 25.....	116	12 64	Side-wheel, passenger, Pembroke and Joachims.
Walter B.....	80	do 25.....	28	6 12	Screw, ferry, Pembroke and Isle Allumette
Rambler.....	30	do 25.....	8	5 32	Screw, pleasure yacht, Pembroke and around Pembroke.
Jeuet Craig.....	50	do 25.....	12	5 48	Screw, ferry, Sand Point and Bristol.
Express.....	100	do 25.....	100	12 00	Side-wheel, ferry, New Edinburg and Gatineau Point.
Bertie Jones.....	23	do 25.....	2	5 08	Screw, pleasure yacht, about Ottawa.
Pearl.....	25	do 25.....	5	5 20	do do do
Agnes.....	50	do 25.....	29	6 16	Screw, pass., Buckingham and Grand Rapids.
Eva.....	25	do 25.....	6	5 24	do do do
Mouche-à-feu.....	50	do 25.....	20	5 80	Centre-wheel, ferry, Thurso and Clarence.
Bonito.....	30	do 25.....	17	5 68	Screw, ferry, Calumet and L'Orignal.
Glide.....	100	do 25.....	80	11 20	Screw, ferry, Calumet and Hawkesbury
John.....	50	do 25.....	35	6 40	Centre-wheel, ferry, Carillon and Point Fortune.
Empress.....	800	do 25.....	677	35 08	Side-wheel, passenger, Ottawa and Grenville.
Lady of the Lake.....	700	do 25.....	607	32 28	Side-wheel, passenger, Newport and Magog.
Mountain Maid.....	250	do 25.....	118	12 72	do do do
Albion.....	22	do 25.....	7	5 28	Screw, pleasure yacht, about St. Johns, Que.
Rivière du Loup.....	300	do 25.....	173	14 9.	Side-wheel, ferry, Sorel and Berthier.
Canada Atlantic Tr'nsf.....	400	.....	619	32 76	Side-wheel, railway transfer, Côteau and Valleyfield.
C. Anderson.....	100	.....	.....	.....	Screw, ferry, Côteau and Valleyfield.
Acadian.....	Freight.	.....	931	42 24	Screw, freight, Montreal and Gulf.
Caribou.....	150	Nov. 25.....	.....	.....	Screw, ferry, Valleyfield and Lancaster
Anna Marie.....	.....	do 25.....	.....	.....	Screw, pleasure yacht, Lake Aylmer.
Lena.....	.....	do 25.....	.....	.....	Screw, passenger, Lake Megantic.
Raftsmen.....	50	do 1.....	94	11 76	Side-wheel, ferry, Lachine and Caughnauaga.
Charlotte.....	.....	do 25.....	.....	.....	Screw, pass., Lake Temiscamingue.
Emerillon.....	.....	do 25.....	.....	.....	do do do
Lotta.....	.....	do 25.....	.....	.....	do do do
Matawan.....	.....	do 25.....	.....	.....	do do do
Minerve.....	.....	do 25.....	.....	.....	do do do

STEAM Vessels Inspected for the Year, &c.—Quebec and Montreal Division—*Con.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
		1887.			\$	cts	
Argo.....	.....	Nov.	25.....	154	14	16	Side-wheel, passenger, Lake Temiscamingue.
Garnet.....	242	do	25.....	98	8	92	Side-wheel, passenger, Montreal and Cornwall.
Belmont.....	329	do	25.....	133	13	32	Side-wheel, passenger, Lachine and Chateaguay.
Johanna B.....	60	do	25.....	17	5	69	Screw, passenger, Quebec Harbour.
May Flower.....	32	do	25.....	.....	.....	.....	do do do
Fairy.....	36	do	25.....	16	5	64	do do do
				.....	.....	.....	

PIERRE D. BRUNELLE,  
Hull Inspector.

## STEAM Vessels Not Inspected for the Year ended 31st December, 1887.

## QUEBEC AND MONTREAL DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks. — Why not Inspected and Class of Vessel.
Mine .....	68	46	Not paid...	Screw, pleasure yacht. Not employed.
Eugenie .....	258	150	do ...	Side-wheel, ferry, Island of Orleans. Not employed.
James .. ...	127	31	do ...	Side-wheel, ferry, Valleyfield. Not employed.
Passport .....	1,034	593	do ...	Side wheel, passenger, Montreal and Toronto. Not employed.
Kate .....	24	16	do ...	Screw, passenger, Buckingham. Not employed.
Castor .....	93	58	Paid .....	Side-wheel, passenger, St. Jean de Chailions. Not carrying passengers.
Spray .....	42	28	Not paid...	Screw, passenger, Plantagenet. Not employed.
Rival .....	125	36	Paid .....	Side-wheel, passenger, Mal Bay. Not carrying passengers this year.
Montarville.....	268	166	Not paid...	Side-wheel, ferry, Longueuil. Not employed.
Laval .....	90	66	Paid .. ...	Side-wheel, ferry, Three Rivers. Not carrying passengers this year.
Charlotte, of Montreal.	59	36	Not paid...	Screw, ferry, Valleyfield. Not employed.
Edda May .....	5	3	do ...	do passenger, at High Rock. Not employed.
St. Ann .....	25	18	do ..	do ferry, Sand Point. do
Rocket .....	596	329	Paid .....	Side-wheel, pleasure boat. do
New York .....	123	69	Not paid...	do freight do do
Newport .. ...	12	8	Paid .. ...	Screw, passenger, Newport. Not carrying passengers this year.
Ile aux Noix .....	20	13	Not paid...	Screw, passenger, St. John. Not employed.
Mattawan .....	612	389	.....	Screw, passenger and freight, Montreal. Out of my district this year
Nepigon .....	604	384	.....	do do do
Rodolphe .....	116	73	Paid .....	Side-wheel, passenger, Montreal and Sorel. Not carrying passengers this year.
Cultivateur .....	687	433	Not paid...	Side-wheel, passenger, Montreal and Sorel. Not employed.
Total.....	4,988	2,945		

PIERRE D. BRUNELLE,  
Hull Inspector.

## STEAM Vessels Inspected for the Year ended 31st December, 1887.

## MARITIME PROVINCES DIVISION.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts	
Dominion .....	175	Feb. 24.....	594.18	31 76	Passenger and freight, screw.
City of St. John .....	130	Nov. 30 ....	709.00	20 24	do do paddle.
		1888.			
Alpha .....	80	Feb. 26.....	306.91	36 30	do do screw.
		1887.			
Arcadia .....	10	Nov. 1.....	61.64	7 48	do do do
		1888.			
Alamedia .....	12	March 17....	33.93	6 35	do do do
Bertha .....		April 7.....	29.79	6 20	Tug, screw.
Quiddy .....	10	March 26....	30.59	6 20	Passenger and tug, screw.
Lillie Glasier .....		do 28.....	209.31	13 36	Tug, paddle.
Ada G. ....		do 28.....	102.08	9 08	do
Admiral .....		do 29.....	138.20	11 32	do
Hercules .....		do 29.....	79.37	8 48	Tug, screw.
Relief .....		do 30.....	87.11	8 16	Tug, paddle.
		1887.			
Bellisle .....	126	Dec. 15....	155.44	14 20	Passenger, stern-wheel paddle.
May Queen .....	330	do 15....	539.40	29 56	do paddle.
		1888.			
New City .....		April 2.....	78.38	8 12	Tug, screw.
		1887.			
M. A. Starr .....	30	Nov. 15.....	244.32	17 76	Passenger, screw.
		1888.			
A. C. Whitney .....		April 13.....	62.67	7 52	Tug, screw.
Chebucto .....	300	do 14.....	108.33	12 32	Ferry, passenger, paddle.
Mic Mac .....	350	do 14....	150.63	14 00	do do
Sir C. Ogle .....	200	do 14....	126.09	13 04	do do
Alida .....		do 16.....	64.18	7 56	Tug, screw.
Electra (new) .....		do 19....	90.40	8 60	Fish boat, screw.
Acadia (new) .....	150	Jan. 1.....	74.21	7 98	Passenger, screw.
Pinafore .....	80	do 1.....	25.86	6 00	do do
		1887.			
Acadia .....	400	Dec. 15.....	621.44	32 84	Passenger and freight, paddle.
		1888.			
G. D. Hunter .....		April 23.....	67.97	7 63	Tug, screw.
		1887.			
Soulanges .....	250	Dec. 15.....	318.37	20 72	Passenger and freight, paddle.
		1888.			
General .....		April 25.....	159.09	11 36	Tug, paddle.
		1887.			
Star .....	300	Dec. 15.....	461.03	26 44	Passenger and freight, paddle.

STEAM Vessels Inspected for the Year, &c.—Maritime Provinces Division—*Continued.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
				\$	cts.	
		1888.				
Tiger .....		April 26.....	105·30	9 20		Tug, paddle.
Enterprise .....	40	do 27.....	72·33	7 88		Ferry, passenger, paddle.
Neptune .....		do 27.....	71·15	7 84		Tug, screw.
Captain .....		April 27.....	68·43	7 72		Tug, screw.
Norman .....		do 28 .....	46·87	6 84		do do
Western Extension.....	336	do 29.....	424·00	24 93		Ferry, paddle.
New Dominion.....				Nil		Government dredge.
Ralph, E. S. (new).....		May 4 .....	27·82	6 12		Fish-boat, screw.
Henry Hoover.....		do 5.....	43·00	6 72		Tug, screw.
Goliath .....		do 5.....	146·83	10 88		do do
Bessie & Harry .....		do 5 .....	22·00	5 88		Water-boat, screw.
Princess of Wales.....	400	do 10.....	935·54	45 40		Passenger, paddle.
Heather Belle .....	250	Dec. 15.....	282·34	19 27		do do
Southport.....	300	May 10 .....	239·92	17 60		Ferry do
Elfin.....	200	do 10.....	122·42	12 88		do do
St. Lawrence.....	400	do 11.....	845·63	41 80		Passenger do
F. C. Batt .....	40	Dec. 15.....	32·90	6 32		Ferry, screw.
Montague.....	250	May 12.....	129·55	13 16		do paddle.
Willoughby (new) .....		do 13.....	6·41	5 24		Fish-boat, screw.
Beaver.....	70	do 13.....	146·86	13 84		Passenger do
Winnie .....		do 13.....	3 00	5 12		Tug, screw.
Mayflower.....	300	do 14 .....	377·00	Nil.		Government ferry, twin-screw.
St. Lawrence.....				Nil.		do dredge, screw.
Gipsy.....		May 16.....	16·70	5 68		Tug, screw.
Shannon .....		do 16 .....	75·11	8 00		do do
Flushing .....	275	do 23.....	257·09	18 28		Passenger, screw.
Clifton .....	150	Dec. 15.....	138·21	13 52		do stern-wheel.
Novelty.....		May 24 .....	42·66	6 68		Tug, paddle.
Richard Doane .....		do 24 .....	70·46	7 80		do screw.
Florenceville.....	250	do 25 .....	185·14	15 40		Passenger, stern-wheel.

## STEAM Vessels Inspected for the Year, &amp;c.—Maritime Provinces Division—Continued.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Melbourne .....		May 25.....	4·00	5 16	Pleasure yacht, screw.
Sarah H. ....		do 26.....	81·48	8 24	Tug, paddle.
Ada .....		do 26.....	3·66	5 16	Private yacht, screw.
Fanchon.....		do 26 .....	38·35	6 52	Tug, stern-wheel.
Sea King .....		June 7.....	128·63	10 16	do screw.
Lillie.....		June 7.....	71·64	7 88	Tug, screw.
St. Andrew.....		do 7.....	76·64	8 04	do do
St. George.....		do 8.....	160·67	11 40	do side-wheel.
Miramachi .....	60	do 8 .....	75·18	8 00	Passenger, screw.
Nelson .....	100	do 8 .....	61·34	7 56	Ferry and passenger, screw.
Sybella H. . . . .	160	do 9 .....	70·68	7 80	do do paddle.
Mindoo .....		do 9.....	13·09	5 52	Tug, screw.
Mary Ann.....		do 9.....	25·38	6 00	do do
Laura.....		do 10.....	13·55	5 56	do do
Derby .....		do 10.....	11·66	5 48	do paddle.
Lady Dufferin.....	100	do 11.....	47·48	6 88	Ferry do
Bessie .....		do 11.....	5·18	5 20	Fish-boat, screw.
Loyalist... ..		do 11.....	17·57	5 72	Tug, paddle.
Zulu.....		do 13.....	17·60	5 68	do do
Utopia.. ..		do 13.....	25 00	5 86	do screw.
East Riding.....		do 15.....	85·55	8 40	do paddle.
St. Michael .....		do 17 .....	39·20	6 56	do screw.
Squirrel.....		do 14.....	13·11	5 52	do do
Rimouski .....	70	do 20.....	124·70	13 00	Passenger, screw.
Salvoi (new).....		do 23.....	44·93	6 80	Lighter do
Highland Mary .....		do 24 .....	88·93	7 96	do do
Robbie Burns .....		do 24.....	73·73	8 56	do do
Wm. Aitken (new).....		do 28.....	74·87	8 00	Tug do
Northern Light .....		July 5.....	393·00	Nil.	Government ferry and mail, screw
Storm King.....	20	do 5.....	107·87	9 28	Tug and passenger, screw.

## STEAM Vessels Inspected for the Year, &amp;c.—Maritime Provinces Division—Continued.

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.		Gross Tons.	Tonnage Dues and Inspection Fees Paid		Remarks.
		1888.			\$	cts.	
David Weston.....	480	July	15.....	765·15	38	60	Passenger, paddle.
Bismarck.....		do	6.....	23·87	5	92	Tug do
Fred Clinch.....		do	6.....	49·04	6	96	do screw.
Norwegian.....	200	do	12.....	202·91	Nil.		Government ferry.
Effort.....		do	12.....	23·38	5	92	Yacht and tug, screw.
Neptune.....	50	do	14.....	138·69	13	52	Passenger, paddle.
Gladiator.....		do	15.....	70·40	7	80	Tug, screw.
Annie.....		do	5.....	13·28	5	52	Tug, screw.
Zaidee.....		do	15.....	18·63	5	72	do
Merrimac.....		do	16.....	85·80	8	40	do
Lady of the Lake.....	70	do	16.....	61·10	7	44	Passenger, paddle.
May Queen.....	40	do	17.....	142·09	13	68	do
Marion.....	300	do	18.....	478·49	27	12	do
Eleanor M. Gates.....		do	19.....	58·81	7	36	Tug, screw.
D. P. Ingraham.....		do	20.....	112·81	9	48	do
L. Boyer.....		do	20.....	56·78	7	25	do
Lennox (new).....	100	do	21.....	66·29	11	60	Ferry, paddle.
Lion.....		do	22.....	19·82	5	80	Tug, screw.
Gambinus.....		do	19.....	28·36	6	12	do
Hiawatha.....	220	Aug.	2.....	229·79	17	20	Passenger, screw.
Scotia.....		do	2.....	41·58	6	68	Tug, paddle.
Joe. Edwards.....	30	do	3.....	34·66	6	40	Ferry, passenger, screw.
Eva Johnston.....		do	4.....	16·00	5	64	Tug, screw.
David Duncan.....		do	4.....	20·59	5	84	do
Freddie V.....		do	5.....	26·60	6	04	do
Marina.....		do	5.....	32·46	6	28	Tug, fish, screw.
Island Gem.....		do	5.....	15·62	5	64	Fish boat, screw.
Yuba.....	15	do	8.....	12·04	5	48	Ferry, passenger, screw.
Carrie.....		do	8.....	14·83	5	60	Fish boat, screw.

STEAM Vessels Inspected for the Year, &c.—Maritime Provinces Division—*Concluded.*

Name of Vessel.	Number of Passengers Allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Mable Freeman.....	.....	Aug. 10.....	26·74	6 08	Tug, screw,
La Have.....	.....	do 12 ..	49·27	6 96	do
Winnie.....	.....	do 12.....	12·46	5 48	dc
Daisy.....	.....	Sept. 2.....	10·74	5 40	do
	8,209	.....	15,641·12	1,261 47	

DOUGLAS STEVENS,  
Steamboat Inspector.



## STEAM Vessels Not Inspected for the Year ended 15th September, 1887.

## MARITIME DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Remarks.
Arrow.....	10·02	7·92	Certificate not expired, screw, yacht, tug.
Delta.....	873·91	549·71	do do do pass., and freight.
Dirigo.....	70·13	47·69	do do do tug.
Dream.....	44·00	30·27	do do do yacht.
Secret.....	466·56	293·17	do do paddle, passenger.
St. Pierre.....	496·44	275·15	do do screw do
Andover.....	185·78	139·98	Laid up, stern-wheel, passenger.
Champion.....	190·14	119·79	do paddle, tug.
Clyde.....	592·00	219·00	do for repairs, paddle, passenger.
Evangeline.....	78·74	53·54	do do screw do
Forest Queen.....	115·22	72·59	do paddle, tug.
Grip.....	3·00	3·00	do screw, yacht.
Geo. Shattuck.....	361·64	291·27	do do passenger
Henry Aitken.....	38·52	26·20	do do tug.
Valet.....	5·05	3·44	do do do
John Williams.....	4·95	3·37	do do yacht.
Eddie.....	42·16	28·58	do do tug.
Meta.....	5·00	1·00	do do yacht.
Mascotte.....	22·88	15·05	do do fish boat.
Onaugondy.....	294·75	98·81	do do paddle, passenger.
Oscar Wyldé.....	72·00	45·10	do do stern-wheel, pass. and freight.
St. Patrick.....	38·92	25·78	do do screw, tug.
St. Louis.....	4·97	3·38	do do do yacht.
St. George.....	37·53	18·76	do do tug.
St. John.....	47·28	32·15	do do do
Tourist.....	11·78	8·01	do do do
Empress.....	929·60	660·14	do do paddle, passenger.
Glendon.....	266·58	175·42	do do screw, wrecker.
	5,309·55	3,188·27	

DOUGLAS STEVENS, Steamboat Inspector.

## STREAM Vessels Inspected up to the 15th September, 1887.

## MARITIME PROVINCES DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
				\$	cts.	
Alameda .....	12	Mar. 17, '88...	33·93	5	36	Passenger vessel.
Alpha .....	80	do 17, '88...	211·54	20	24	do
Arcadia .....	10	Dec. 15, '87...	61·00	7	48	do
Acadia .....	400	do 15, '87...	621·44	32	84	do
Acadia (new).....	150	Jan. 15, '88...	74·21	7	96	do
Bellisle .....	126	April 30, '88...	155·87	14	20	do
Beaver .....	70	June 17, '88...	146·86	13	84	do
Chebucto .....	300	April 20, '88...	108·33	12	32	Ferry boat.
Clifton .....	150	May 5, '88...	138·21	13	52	Passenger vessel.
City of St. John .....	125	Dec. 1, '87...	709·12	36	30	do
Dominion .....	175	Feb. 25, '88...	594·18	31	76	do
David Duncan .....	15	Jan. 18, '88...	20·59	5	84	In case of emergency is allowed to carry passengers to and from St'r Secret, at Digby, N.S.
David Weston .....	480	.....	765·00	38	60	Passenger vessel.
Elfin .....	200	May 9, '88...	122·44	12	88	Ferry steamer.
Enterprise .....	40	April 13, '88...	92·33	7	88	do
Effort .....	20	July 18, '88...	23·00	5	92	In case of emergency is allowed to carry passengers across the Straits of Canso.
Evangeline .....	135	Sept. 6, '88...	78·74	8	16	Passenger vessel.
F. C. Batt .....	40	May 10, '88...	22·91	6	32	Ferry steamer.
Flushing .....	275	.....	257·09	18	28	Passenger vessel.
Florenceville.....	270	June 13, '88...	185·00	15	40	do
Heather Belle .....	250	May 9, '88...	282·00	19	28	do
Hiawatha.....	350	Sept. 17, '87...	229·00	17	16	do
Joe Edwards .....	30	July 22, '88...	34·66	6	40	Ferry boat.
Lady Dufferin.....	100	May 23, '88...	47·48	6	88	do
Lady of the Lake .....	70	July 13, '88...	61·10	7	44	do
Lennox (new).....	100	do 16, '88...	66·00	7	64	do
May Queen .....	330	Dec. 15, '87...	539·40	29	56	Passenger vessel.
Mic-Mac .....	350	April 20, '88...	150·63	14	00	Ferry steamer.

STEAM Vessels Inspected up to the 15th September, 1887—Maritime Division—*Con.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
M. A. Starr .....	50	April 27, '83...	244·00	\$ cts. 17 76	Passenger vessel.
Mayflower .....	300	May 7, '88...	377·00	.....	Government ferry boat.
Montague .....	250	do 10, '88...	129 00	13 16	Ferry boat.
Miramichi .....	60	do 23, '88...	62·25	8 00	Passenger vessel.
Marion .....	300	July 13, '88...	478·00	27 12	do
Merrimac .....	40	do 13, '88...	85·80	8 40	In case of emergency is allowed to run as a ferry boat between North and South Sydney.
May Queen .....	40	do 13, '88...	142·00	13 68	Passenger vessel.
Nelson .....	100	May 23, '88...	68·60	7 56	Ferry boat.
Norwegian .....	200	July 16, '88...	202·00	.....	Government ferry boat.
Neptune .....	50	do 16, '88...	138·00	13 52	Passenger vessel.
Pinafore .....	80	Jan. 15, '88...	25·86	6 04	Ferry boat.
Princess of Wales .....	400	May 6, '88...	935·84	45 40	Passenger vessel.
Quiddy .....	10	Mar. 23, '88...	30·59	6 20	Ferry boat.
Rimouski .....	70	June 27, '88...	124·70	13 00	Passenger vessel.
Soulanges .....	250	April 23, '88...	318·37	20 72	do
Sir C. Ogle .....	200	do 20, '88...	126·00	13 04	Ferry boat.
Star .....	300	do 30, '88...	461·03	26 44	Passenger vessel.
Sybella H .....	160	May 23, '88...	47·48	7 80	Ferry boat.
St. Pierre.....	60	July 19, '88...	496·00	27 84	Passenger vessel.
Storm King.....	20	June 3, '87...	117·00	9 28	Allowed, in case of emergency, to carry passengers.
St. Lawrence .....	400	May 8, '88...	846·00	41 80	Passenger vessel.
Southport .....	300	do 9, '88...	186·15	17 60	Ferry boat.
Western Extension ...	336	Aug. 9, '88...	425·00	24 96	do
Yuba .....	15	May 17, '88...	12·04	5 48	do
			11,701·17	784 10	

Bessie Williams, at Shelburne, N.S., on her fitness for a lightship.

Fury, at Church Point, N.S. do do

Lansdowne, repairs. &c, to make her efficient for the service.

Northern Light, at Charlottetown, P.E.I., special survey on condition and efficiency.

C. R. COKER,

*Dominion Inspector of Hulls, &c.*

STEAM VESSELS Inspected for the Year ended 31st December, 1887.  
MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.		Remarks.
				\$	cts.	
Harry Montgomery .....		May 9, '88...	3.65	5	16	Screw, fishing boat.
Ogema .....	12	do 9, '88...	62.05	7	48	do passenger and freight.
Lady Ellen .....		do 9, '88...	18.57	5	75	do fishing boat.
Alice Sprague .....	200	June 1, '88...	98.49	8	92	Stern-paddle, passenger.
Kakabeka .....	200	May 17, '88...	112.67	9	50	Screw, ferry, Port Arthur and Fort William
Hattie Vinton .....		do 17, '88...	55.27	6	20	Screw, tug boat.
Mary Ann .....		do 18, '88...	86.00	8	44	do do
Ida .....		do 19, '88...	19.37	5	77	do fishing boat.
Kate Marks .....		do 19, '88...	54.15	7	16	do do
Brothers .....		do 20, '88...	Not registered.	5	24	do do
Three Friends. ....		do 21, '88 ..	97.35	8	91	do tug boat.
Salty Jack .....		do 23, '88...	44.62	6	80	do do
Emelie .....		do 26, '88...	Not registered.			do pleasure yacht.
E. M. Foster .....	100	do 27, '88...	138.14	13	52	Twin-screw, passenger and freight.
Butcher's Boy .....	90	do 28, '88...	214.60	15	56	Screw do
Richmond .....		do 27, '88...	Not registered.			do fishing boat.
Antelope .....	300	June 1, '88...	120.33	12	80	Single paddle, passenger, used only for excursions.
Regina .....	37	do 2, '88...	6.78	5	28	Screw, passenger.
Glendevon .....		do 11, '88...	104.05	12	16	do fishing boat.
Princess .....	75	do 11, '88...	530.58	29	24	Paddle, passenger and freight.
North-West .....	50	do 20, '88...	425.00	25	00	Stern-paddle do
Marquis .....	100	do 21, '88...	753.76	38	16	do do
Millie Howell .....		July 1, '88...	24.11	5	96	Screw, tug boat.
Highland Maid .....	25	do 4, '88...	106.24	12	24	do passenger and freight.
Windigo .....		do 5, '88...	4.24	5	16	do tug boat.
Fleetwing .....		do 5, '88...	40.40	6	60	do do
Cruiser .....		do 6, '88...	11.59	5	48	do do
Sunbeam .....		do 6, '88...	2.86	5	12	do pleasure yacht.
Queen .....		do 7, '88...	31.64	6	28	do tug boat.
Empress .....		do 11, '88...	129.28	10	16	Twin-screw, tug boat.

STEAM Vessels Inspected for the Year, &c.—Manitoba, Keewatin and North-West Territories Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				\$ cts.	
Rover.....		July 9, '88...	4.07	5 16	Screw, tug boat.
Mary Hatch.....		do 8, '88...	118.45	9 72	Paddle do
Victoria.....		do 9, '88...	40.10	6 60	Screw do
Dryberry.....		do 9, '88...	11.72	5 48	do do
D. L. Mather.....		do 9, '88...	103.32	9 12	do do
Algoma.....		do 11, '88...	99.13	8 96	do do
Caro.....		do 18, '88...	3.55	5 16	do do
Percy Sutherland.....		do 21, '88...	33.55	6 36	do do
Couchiching.....		do 25, '88...	105.42	9 20	do do
Rambler.....		do 25, '88...	13.51	5 56	do pleasure yacht.
Marquette.....	350	do 28, '88...	354.25	22 16	Stern-paddle, passenger.
Amy.....		do 29, '88...	Not registered.	5 08	Screw, pleasure yacht.
Saskatchewan.....		Aug. 12, '88...	336.84	21 48	Paddle, freight.
Lotus.....		June 3, '88...	Not registered.	5 12	Screw, pleasure yacht.
Colville.....	25	Aug. 15, '88...	164.41	14 56	Twin-screw, passenger and freight.
	1,264		4,684.11	433 77	

EDMUND R. ABELL,  
*Steamboat Inspector.*

## STEAM Vessels Not Inspected for the Year ended 31st December, 1887.

## MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.		Remarks.
			\$	cts.	
Baroness.....	320·04	201·63	17	80	Not in use; stern-paddle, freight; on South Saskatchewan River, North-West Territories.
Minnow .....	20·05	15·57	5	80	Not in use; stern-paddle, pleasure yacht; moored at Lethbridge, N.W.T.
Northcote.....	461·34	290·65	26	44	Not in use; stern-paddle, passenger and freight; on Saskatchewan River.
May.....	1·68	1·15	5	08	Broken up at Rat Portage, Lake of the Woods; screw, tug.
Thistle .....	23·33	13·86	5	92	Sunk under the falls at Fort Frances; screw, tug; endeavours will be made to raise the vessel.
Annie Mac.....	8·39	5·29	5	32	Docked at Keewatin; alterations being made for change from paddle to screw; ferry; Rat Portage to Keewatin.
Victoria .....	22·16	15·23	.....	.....	Docked for repairs; now purchased by the Dominion Government for dredging purposes on Lake Manitoba; screw.
Lady of the Lake.....	1·63	1·11	5	08	Pleasure yacht, screw; on Shoal Lake.
Grahame .....	332·18	220·04	21	28	Fort Chipewyan, Athabasca; at too great a distance from office; approximately to 100 days' travel (going and coming) from office; freight, stern-paddle; Hudson Bay Co., owners.
Wrigley .....	90·04	61·23	8	60	On the McKenzie River and Great Slave Lake, at too great a distance from office; screw, freight; Hudson Bay Co., owners.
Lady Blanche.....	.....	.....	.....	.....	Not surveyed nor registered, and under seizure by the Customs of the Port of Winnipeg; the vessel is now sunk at Totogon, on the White Mud River; screw, tug.
Sir Hector.....	.....	.....	.....	.....	Property of the Dominion of Canada; employed as dredge tender on Red River and Lake Winnipeg.
Idaho .....	.....	.....	.....	.....	Not in use; sunk in the Red River at Selkirk; never has been either measured, registered or inspected; screw, small pleasure yacht.
	1,280·84	825·76	101	38	

EDMUND R. ABELL,  
Steamboat Inspector.

STEAM Vessels Not Inspected for the Year ended 31st December, 1887.

MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fines.	Remarks.
			\$ cts.	
Wrigley .....	90·04	61·23	8 60	Screw, freight; McKenzie River; too great a distance from office.
Lady Blanche.....				Screw, tug; not registered, and under seizure by the Customs of Port of Winnipeg.
Sir Hector.....				Screw, tug; dredge tender on Red River; Dominion Government, owners.
Idaho .....				Screw, pleasure yacht; not in use, and not registered.

EDMUND R. ABELL,

*Steamboat Inspector.*

STEAM Vessels Inspected for the Year ended 31st December, 1887.

MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
				\$ cts.	
Annie Mac .....		No certificate issued.	8·39		This vessel has been changed from paddle to screw; no receipt of tonnage dues and inspection fees being paid could be produced, therefore no certificate issued Screw, pleasure yacht; on Shoal Lake, Manitoba.
Lady of the Lake.....		Oct. 14, 1888...	1·68	5·08	
			10·07	5·08	

EDMUND R. ABELL,

*Steamboat Inspector.*

STEAM Vessels Inspected for the Year ended 5th September, 1887.  
BRITISH COLUMBIA DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Beaver .....		Jan. 4 .....	159·2	14 36	
Yosemite .....	400	do 7 .....	1525·3	69 00	
Grace .....	20	do 10 .....	83·1	8 32	
Westminster.....		Feb. 14 .....	18·29		Special inspection.
Belle .....	12	April 19 .....	66·62		do
Iris .....		Sept. 20 .....	19·32		do
Saturna .....	12	Jan. 31 .....	22·5	5 88	
Westminster.....		Feb. 15 .....	18·29	5 72	
Spitfire .....		do 23 .....	8·	5 32	
Sardonyx.....	150	do 24 .....	404·40	24 16	
Amelia .....	180	Mar. 14 .....	430·97	25 24	
Pearl .....		do 21 .....	75·27	8 00	
Gladys.....	70	do 31 .....	146·2	13 84	
K. de K .....	20	do 31 .....	61·67	7 48	
Adelaide .....	100	do 31 .....	151·	14 04	
Buzz .....		do 31 .....	12·59	5 52	
Reliance .....	200	do 31 .....	313·94	28 56	
Barbara Boscowitz..	158	April 4 .....	269·8	18 76	
Eliza.....	12	do 4 .....	7·55	5 32	
Red Star .....	12	do 6 .....	14·81	5 60	
Florence .....		do 7 .....	59·44	14 80	Two years dues and fees paid.
Wellington.....		do 11 .....	16·3	11 28	do
Bells .....	12	Aug. 31 .....	6·62	7 64	
Wm. Irving.....	200	April 30 .....	737·86	75 04	do
R. P. Rithet.....	250	Oct. 1 .....	816·29	40 68	
Mermaid .....		May 17 .....	66·25	7 64	
Hope.....	15	do 25 .....	78·49	8 16	
Glad Tidings.....		do 25 .....	43 02	6 72	
Daisy .....	15	do 26 .....	84·16	8 36	
May Queen .....		June 3 .....	14 10	5 56	



STEAM Vessels Inspected for the Year, &c.—British Columbia Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Emma.....	5	June 6 .....	35	6 40	
Senator .....	30	do 7.....	27 63	6 10	
Nell.....		do 20.....	209 97	16 32	
Skidegate .....		do 20.....	37 08	6 48	
Robert Dunsmuir .....	85	do 20.....	251 75	17 24	
Normensell .....		do 27.....	4	10 32	do
Brunette .....		do 27.....	5 11	20 48	Four do
Joe Adams .....		do 27.....	11 89	10 96	Two do
Alice .....		do 27.....	54 10	6 36	
Etta White .....	20	do 30 .....	97 35	9 00	
Leonora.....	25	do 30.....	18	6 32	
Alexander.....	12	July 7 .....	331 61	21 28	
Lottie .....		do 8.....	29 24	6 16	
Skidegate .....		do 9.....	37 08	5 00	Special inspection.
Princess Louise.....	300	do 13 .....	931 76	45 28	
Woodside .....	25	do 19.....	50 27	7 00	
Mamie.....		do 26.....	89 60	8 60	
Rainbow .....	60	do 28.....	207 64	16 32	
Duchess .....		Aug. 10 .....		6 28	Not registered.
Oline.....		do 10 .....		5 80	do
Peerless .....	200	do 12.....	307 47	20 28	
Spallmucheen. ....	25	do 12.....	54 29	7 16	
Kamloops .....	200	do 13.....	425 78	25 00	
Lady Dufferin .....	25	do 13.....	59 73	7 50	
Belle .....	12	do 15.....	66 62	5 00	Special inspection.
Gipsy .....		do 15.....	49 63	14 00	Two years dues and fees paid.
Evangeline (Bishop's yacht.) .....		do 24.....	13 86	16 68	Three do
Princess Louise.....		do 25.....	16 36	17 04	do
Eva .....		do 26 .....	6 56	15 04	do
Oriole .....		Sept. 5.....	4 45	10 40	Two do
			7,843 38	826 80	

W. A. RUSSELL,  
Steamboat Inspector.

## STEAM Vessels Not Inspected for the Year ended 5th September, 1887.

## BRITISH COLUMBIA DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks.
Hyack .....	31·39	33·58	\$ cts. 6 28	Vessel laid up ; no service for her.
Nudge.....				{ Both these vessels are at Kootenay, and the uncertainty of their being in service does not warrant going such a distance.
Surprise.....	14·80	10·		
Otter .....	289·07	219·64	19 56	Vessel unfit for service.
Skuggy.....	471·69	297·16	26 87	Vessel laid up ; no business.
Thornton.....	31·64	28·64	6 28	Sealing schooner ; seized by United States Government.
Western Slope.....	831·59	725·71	41 28	Vessel laid up ; no business.
Wilson G. Hunt.....	467·98	350·36	.....	This vessel has her machinery in, but she is unfit for service.
Victoria.....				This vessel is at Soda Creek, and no means of going there.

W. A. RUSSELL,  
*Steamboat Inspector.*

STEAM Vessels Inspected for the Year ended 31st December, 1887.  
BRITISH COLUMBIA DIVISION.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Beaver .....		Jan .....	150·02	14 36	
Grace .....	20	do .....	83·01	8 32	
Saturna .....	12	do .....	22·05	5 88	
Yosemite .....	400	do .....	1,525·03	69 00	
Sardonyx .....	150	Feb .....	404·40	24 16	
Red Star .....	12	April .....	14·81	5 60	
Amelia .....	180	March .....	430·97	25 24	
Bell .....	12	do .....	66·62	7 68	
Barbara Boscowitz .....	158	Feb .....	269·08	18 76	
Eliza .....	12	April .....	7·55	5 32	
Robert Dunsmuir .....	85	June .....	231·75	17 24	
K. de K. .....	20	April .....	61·67	7 48	
Gladys .....	70	March .....	146·02	13 84	
Adelaide .....	100	do .....	151·02	14 04	
		1887.			
Reliance .....	200	May .....	313·94	20 56	
R. P. Rithet .....	250	Oct .....	816·69	40 68	
		1888.			
Wm. Irving .....	200	April .....	737·86	75 04	Dues and fees for two years.
Hope .....	15	May .....	78·49	8 16	
Daisy .....	15	do .....	84·16	8 36	
Etta White .....	20	June .....	97·35	8 92	
Emma .....	15	do .....	35·00	6 40	
Senator .....	30	do .....	27·63	6 10	
Leonora .....	25	do .....	33·	6 32	
Neil .....		do .....	207·97	16 32	
Gonolley's Scow .....	160	do .....		5 00	For one day.
Holland's Scow .....	100	do .....		5 00	do
Fleash's Scow .....	150	do .....		5 00	do
Jagars .....	70	do .....		5 00	do

STEAM Vessels Inspected for the Year, &c.—British Columbia Division—*Concluded.*

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
		1888.		\$ cts.	
Alexander.....	12	July.....	331·61	21 28	
Princess Louise.....	300	do .....	970·77	46 84	
Woodside .....	25	do .....	50·27	7 00	
Rainbow .....	60	do .....	207·64	16 32	Was called the "Teaser."
			7,565·36	545 22	

R. COLLISTER,  
*Hull Inspector.*

## STEAM Vessels Not Inspected for the Year ended 31st December, 1887.

## BRITISH COLUMBIA DIVISION.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Dues and Fees.	Remarks.
Otter .....	289·07	219·64	\$ cts. 19 56	Laid up; passenger and freight, screw; seized by the United States Government.
Thornton.....	31·64	28·64	6 28	Freight boat; screw.
Surprise .....	14·80	10·	5 56	Laid up; no trade.
Western Slope .....	831·59	725·71	41 28	Laid up.
	1,167·10	983·99	72 68	

R. COLLISTER,  
*Hull Inspector.*

STATEMENT of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, during the Year ended 31st December, 1887; and where and how employed.

## WESTERN ONTARIO DIVISION.

Name of Vessel.	Where and how Employed.	Name of Vessel.	Where and how Employed.
John Harris.....	Spanish River, tug.	Ada E. Allen .....	Detroit River, freight .....
Coral.....	Georgian Bay, freight.	Kate Pilgrim. ....	Penetanguishene, tug.....
Norah.....	Bruce Mines, tug.	Dufferin .....	Owen Sound, tug.....

## EAST ONTARIO DIVISION.

Puritan .....	Broken up; was employed as a passenger boat on Bay of Quinté.	City of Kingston.	Broken up; was employed as a passenger boat on Rideau Canals.
Denis Bowen.....	Broken up; was employed as a passenger boat on Bay of Quinté.	Coboconk .....	Burned on Cameron Lake; was used as a tug boat there.

## MONTREAL DIVISION.

Sir John Young ...	Ottawa River, towing.	St. George.....	St. Lawrence River, towing.
Aylmer.....	do passenger.	William.....	do do
Buckingham.....	Lièvre River do	Magog .....	Lake Magog, passenger.
Lady Forest .....	do do		

## QUEBEC DIVISION.

Ranger .....	Side-wheel, tug, Montreal and Bic; her engine has been taken out and a freight barge made of her.	St. Andrew.....	Side-wheel, tug, Quebec.
Scotchman.....	Side-wheel, tug, Quebec and Montreal.	Tiger .....	do do
St. Charles.....	Side-wheel, tug, Quebec.	St. Antoine.....	do do
		Hero .....	Side-wheel, Quebec; engine taken out of her.

STATEMENT of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, &c. — *Concluded.*

MARITIME PROVINCES DIVISION.

Name of Vessel.	Where and how Employed.	Name of Vessel.	Where and how Employed.
Dragon .....	Pictou, N.S., paddle, tug.	Wellington .....	Summerside, P. E. I., paddle, passenger.
Dolphin .....	Lingan, C.B. do	Xanthus .....	St. John, N.B., Screw, tug.
Douglas .....	St. John, N.B., screw, tug.	Xiphias .....	do paddle, tug.
Sir John .....	St. John, N.B., screw, freight and tug.		

MANITOBA, KEEWATIN AND NORTH-WEST TERRITORIES DIVISION.

May .....	Rat Portage and Lake of the Woods, small tug boat.		
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BRITISH COLUMBIA.

Gertrude .....	Fraser River, freight and passenger.	Arrow .....	Burrard Inlet, freight and passenger.
Saanich .....	Fraser River, freight.		

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1887; their Class and Horse-Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Arbutus.....	4.8	Screw .....	Wood ..	49.49	33.65	Wallaceburg, Ont., 1887 .....	Sydenham River, tug.
Arrow .....	1.2	do .....	do ..	.....	.....	Walkerville, Ont., 1887. ....	Detroit River, yacht.
Bertha Endress. ....	3.3	do .....	do ..	.....	.....	Buffalo, N.Y., 1876.....	St. Joseph's Island, tug.
City of Stratford.....	1.2	do .....	do ..	5.78	5.05	Port Dalhousie, 1887.....	Stratford, Ont., tug.
Euna .....	1.87	do .....	do ..	6.19	4.21	McClemens, Mich., 1878.....	Wallaceburg, Ont., tug.
Electric.....	1.2	do .....	do ..	4.04	2.75	Toronto, Ont., 1887.....	Toronto, Ont., pleasure yacht.
Juno.....	4.8	do .....	do ..	28.36	19.29	Goderich, Ont., 1887 .....	Georgian Bay, Ont., fishing boat.
Laely Eberth.....	0.53	do .....	do ..	.....	.....	.....	Oliphant, Ont., fishing boat.
Lewis.....	0.53	do .....	do ..	14.61	9.94	Hamilton, Ont., 1887.....	Hamilton, Ont., pleasure yacht.
P. S. Husordt .....	4.8	do .....	do ..	45.21	30.75	Owen Sound, Ont., 1887.....	Spanish River, tug.
Steve H. Lyon.....	4.8	do .....	do ..	19.20	13.02	Buffalo, N.Y., 1874.....	Welland Canal, tug.
Uncle Jim.....	1.6	do .....	do ..	11.41	7.76	Wallaceburg, Ont., 1886. ....	Wallaceburg, Ont., yacht.
Wm. H. Seibold.....	3.3	do .....	do ..	22.18	15.09	Goderich, Ont., 1887.....	Georgian Bay, fishing boat.

OLIVER P. ST. JOHN,  
Steamboat Inspector.



STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

WEST ONTARIO, HURON AND SUPERIOR DIVISIONS.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and How Employed.
Argosy .....	0-30	Screw .....	Wood ..	1-24	0-85	Unknown.....	Toronto, yacht.
Comet .....	3-33	do .....	do ...	20-08	13-66	Milford Bay, 1887 .....	Muskoka Lakes, tug.
Ethel .....	1-20	do .....	do ...	13-01	8-85	Collingwood, 1887.....	Collingwood, fishing tug.
Eagle .....	2-13	do .....	do ...	12-06	8-92	do .....	Parry Sound, yacht.
Edith May .....	2-13	do .....	do ...	44-88	10-52	Port Sandfield, 1887.....	Muskoka Lakes, passenger.
Fred. Davidson .....	4-80	do .....	do ...	43-24	29-41	Penetanguishene, 1887.....	Penetanguishene, tug.
Gypsy .....	3-33	do .....	do ...	20-03	13-63	Toronto, 1887.....	Lake Simcoe, yacht.
Home Rule .....	0-46	do .....	do ...	3-29	2-24	Penetanguishene, 1887.....	Penetanguishene, yacht.
Irene .....	2-13	do .....	do ...	7-02	4-77	Toronto, 1887.....	Toronto, yacht.
Longford .....	5-63	do .....	do ...	53-29	36-24	Orillia, 1887 .....	Lake Simcoe, passenger.
Lady Katrine .....	2-13	do .....	do ...	16-04	10-91	Katrine, 1886.....	Magnetawan River, freight.
Mabel .....	1-89	do .....	do ...	11-24	7-65	Penetanguishene, 1886.....	Penetanguishene, yacht.
Nipissing .....	22-53	Paddle.....	Steel....	275-45	207-46	Gravenhurst, 1887.....	Muskoka Lakes, passenger.
Notos .....	1-40	Screw .....	Wood ...	16-33	11-11	Port Rowen, 1884 .....	Niagara, yacht and tug.
Onaganoh .....	2-13	do .....	do ...	18-73	12-74	Kingston, 1887 .....	Muskoka Lakes, passenger.
Pocahontas .....	4-80	Paddle.....	do ...	31-60	19-91	Muskoka Mills, 1885.....	Muskoka Mills, tug.
Rozer .....	4-80	Screw .....	do ...	50-83	34-56	Owen Sound, 1887 .....	Michael's Bay, tug.

Rescue .....	2-13	do .....	do ..	7-23	4-92	Toronto, 1886 .....	Toronto, yacht.
Spartan .....	0-50	do .....	do ..	2-29	1-56	do 1887 .....	Barrie, do
Sarana .....	0-30	do .....	do ..	.....	.....	Chicago .....	Toronto, do
Saucy Jim .....	13-06	do .....	do ..	93-19	63-44	Penetanguishene, 1887 .....	Penetanguishene, tug.
Welcome .....	3-00	do .....	do ..	21-23	14-44	Collingwood, 1886 .....	Killarney, fishing tug.

W. J. MENEILLY,  
*Steamboat Inspector.*

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 15th September, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Edith May.....	.....	Screw.....	Wood...	44.88	32.62	Port Sandfield.....	Pleasure yacht, Muskoka Lakes.
Gypsy.....	.....	do.....	do...	20.03	13.63	Toronto..	do Lake Simcoe.
Comet.....	.....	do.....	do...	20.08	13.60	Beaumarais.....	do Muskoka Lakes.
Pocahontas.....	.....	Paddle.....	do...	31.60	19.91	Muskokosh Mills.....	Tug, Georgian Bay.
Express.....	.....	Screw.....	do...	3.90	2.66	Toronto.....	Pleasure yacht, Toronto Bay.
Irene.....	.....	do.....	do...	7.02	4.77	do ..	do do
Argosy.....	.....	do.....	do...	1.24	.85	do ..	do do
Spartan.....	.....	do.....	do...	2.29	1.36	do ..	do Lake Simcoe.
Lady Katrine.....	.....	do.....	do...	16.04	10.91	Lake ..	Tug, Cecebe River.
Notos.....	.....	do.....	do...	16.33	11.11	Port Colborne.....	Tug, Niagara River.
Nipissing.....	.....	do.....	Iron.....	276.45	207.46	Gravenhurst.....	Passenger, freight, Muskoka Lakes.
Jubilee.....	.....	do.....	Wood...	2.91	1.98	Port Carling.....	Tug, Muskoka Lakes.
Florence.....	.....	do.....	do...	2.96	2.04	Bradford.....	Pleasure yacht, Lake Simcoe.
Electric.....	.....	do.....	do...	4.01	2.75	Toronto.....	do Toronto.
Hyeia.....	.....	do.....	do...	1.91	1.32	do ..	do do
Cora.....	.....	do.....	do...	3.74	2.55	do ..	do do

THOS. HABOTTLE,  
Hull Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1887, their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power, Nominal.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Belle Amelia.....	1-20	Screw .....	Wood ..	3-80	2-60	Cobourg, 1883 .....	As a passenger boat on West Lake.
Island Queen .....	6-53	do .....	do ...	93-09	36-05	Kingston, 1887 .....	do River St. Lawrence.
Vesper .....	0-40	do .....	do ...	2-49	2-00	Brockville, 1887 .....	Yacht, on River St. Lawrence.
Nora .....	3-00	do .....	do ...	28-13	19-13	Desoronto, 1886 .....	Tug, on Bay of Quinté.
	11-13			132-51	59-78		

EDWARD ADAMS,  
Engine Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1887, their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

EASTERN DIVISION.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Queen of the Isles .....	.....	.....	Wood ..	98 09	63 04	Kingston.....	St. Lawrence River, Kingston to Montreal.

JAMES DICK,  
*Hull Inspector.*

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1887; 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.
Minnie Bell .....	4.8	Screw .....	Wood .....	20	12	Ottawa .....	Ottawa River, towing.
Bertie Jones (yacht) .....	.53	do .....	do .....	2	1	do .....	do and Rideau Canal, passenger.
Antelope .....	13.3	do .....	do .....	82	58	Montreal .....	do and St. Lawrence River, towing.
G. B. Pattie .....	20.83	Side-wheel .....	Composite...	272	172	Pembroke .....	do towing.
	39.45			376	243		

JOHN BURGESS,  
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 15th September, 1887; 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.
Electra .....	24	Screw .....	Wood ...	90.40	61.48	Yarmouth, N.S. ....	Fish boat, coasting Yarmouth County, N.S.
Acadia .....	21.43	do .....	do ...	74.31	66.53	Hantsport, N.S. ....	Passenger, Windsor to Parrsboro'.
Ralph E. S. ....	3.33	do .....	do ...	27.82	18.92	Mahone Bay, N.S. ....	Fish boat, round Sambro, N.S.
Willoughby .....	.83	do .....	do ...	6.41	3.87	Mount Stewart, P.E.I. ....	do Point Prim and Charlottetown, P.E.I.
C. Lennox .....	9.63	Paddle .....	do ...	66.29	41.76	Dartmouth, N.S. ....	Passenger; ferry, Lennox Passage and Richmond Co., C.B.
Wm. Aitken .....	34.66	Screw .....	do ...	74.81	51.19	Yarmouth, N.S. ....	Tug, Prince Edward Island.
Salvor .....	4.43	do .....	do ...	44.93	34.90	Port Medway, N.S. ....	Steam lighter, coast Nova Scotia.
	98.31			384.87	278.65		

DOUGLAS STEVENS,  
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion up to the 15th September, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and How Employed.
Lennox .....	.....	.....	Wood ...	66.29	41.76	Dartmouth, N.S. ....	Ferry-boat at Grandique, C.B.
Acadia .....	.....	.....	do ...	74.21	66.53	Hantsport, N.S. ....	Windsor and Minas Basin, N.S.

C. R. COKER,  
*Dominion Inspector of Hulls, &c.*



STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and How Employed.
Amy .....	0-30	Screw .....	Wood ...	Not registered.		Winnipeg, Man.....	Red River, pleasure yacht.
Antelope .....	7-75	Stern-paddle .....	Steel ...	120-33	75-81	do .....	Red River and tributaries, passenger.
Harry Montgomery .....	0-53	Screw .....	Wood ...	3-65	2-49	Selkirk, Man .....	Red River, pleasure yacht.
Highland Maid .....	3-33	do .....	do ...	106-24	72-95	Fort Frances, Ont.....	Rat Portage and Fort Frances, passenger.
Ida .....	2-13	do .....	do ...	19-37	13-17	Port Arthur, Ont.....	Thunder Bay and Black Bay, fishing boat.
Richmond .....	1-20	do .....	do ...	Not registered.		do .....	Thunder Bay and Lake Superior, fishing boat.
Rover .....	1-20	do .....	do ...	4-07	2-77	Norman Mills, Ont.....	Rat Portage and Lake of the Woods, tug boat.
Wrigley .....	4-80	do .....	do ...	90-04	60-23	Fort Smith, N. W. T. ....	Slave River, Big Slave Lake and McKenzie River to Arctic Ocean; freight.
	21-24			343-70	227-42		

EDMUND R. ABELL,  
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 5th September, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Red Star .....	1.5	.....	Wood .....	14.81	10.00	Victoria, B.C. ....	Spallumcheen, freight and passenger.
May Queen .....	1.5	.....	do .....	14.10	9.18	do .....	Fraser River, fishing tug.
Nell .....	6.6	.....	do .....	209.97	125.47	Georgetown, B.C. ....	Waters of British Columbia, freight.
Rainbow .....	24.	.....	do .....	207.64	147.04	This vessel was the "Teaser," lengthened and renamed.	Waters of British Columbia, freight and passenger.
Mamie .....	.....	.....	do .....	89.60	61.00	False Creek, Burrard Inlet...	Waters of British Columbia, towing logs for mill.

W. A. RUSSELL,  
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Red Star .....	1.5	.....	Wood .....	14.81	10.00	Victoria, B.C. ....	Spallumcheen, freight and passenger.
Nell .....	6.6	.....	do .....	207.97	125.47	Georgetown, Skeena River...	British Columbia waters, freight.
Mamie .....	8.5	.....	do .....	89.60	61.00	Vancouver, B.C. ....	do do towing logs.
May Queen .....	1.5	.....	do .....	14.10	9.18	Victoria, B.C. ....	Fraser River, fishing tug.

R. COLLISTER,  
Hull Inspector.

## STEAM Vessels Inspected from 15th September to 31st December, 1887.

WEST ONTARIO AND HURON DIVISION—W. J. MENEILLEY, STEAMBOAT INSPECTOR.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Ella Alice .....	40	Oct. 4, 1887...	7	\$ cts. 5 28	Screw, passenger.
Maud .....	40	do 5, 1887...	18	5 73	do
	80		25	11 01	

## WESTERN ONTARIO DIVISION—OLIVER P. ST. JOHN, STEAMBOAT INSPECTOR.

Purvis .....		Oct. 1, 1888...	12·65	5 52	Fishing tug, screw.
Lansdowne .....	300	do 11, 1888...	1570·90	70 84	Paddle, railway-car ferry.
Great Western .....	300	do 12, 1888...	1080·35	51 20	do do
Transfer .....	278	May 1, 1888...	1541·70	69 68	do do
Owen .....		Oct. 13, 1888...	102·84	9 12	Screw, freight, barge.
Advance .....		do 13, 1888...	72·37	7 88	do tug.
Hiawatha .....		.....	162·62	14 48	do ferry.
	878		4543·43	228 72	

## WEST ONTARIO DIVISION—THOS. HARBOTTLE, HULL INSPECTOR.

Edith May .....		.....	44·88	6 80	Equipment incomplete.
Maud .....	40	Oct. 4 .....	18·26	5 73	Screw, tug and passenger.
Erin .....		do 4 .....	512·22	25 48	do freight.
Alla Alice .....	40	do 15 .....	7·27	5 28	do passenger.
Transfer .....	278	do 21 .....	1541·70	69 68	Paddle, railroad-car ferry.
Lansdowne .....	300	do 21 .....	1570·90	70 84	do do
Great Western .....	300	do 20 .....	1080·33	57 20	do do
Hiawatha .....		.....	162·62	14 48	Equipment incomplete.
	958		5987·88	255 49	

## STEAM Vessels Inspected from 30th September to 31st December, 1887.

EAST ONTARIO DIVISION—EDWARD ADAMS, ENGINE INSPECTOR.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Anglo Saxon .....	.....	July 21, 1888	69 01	\$ cts. 7 76	Paddle-wheel, tug.
M. P. Davis .....	.....	Sept. 30, 1888..	11 26	5 44	Screw-wheel, tug.
James A. Walker.....	.....	do 30, 1888..	183 58	12 36	do
			263 85	25 56	

## STEAM Vessels not Inspected from 30th September to 31st December, 1887.

EAST ONTARIO DIVISION—EDWARD ADAMS, ENGINE INSPECTOR.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Remarks. Why not Inspected and Class of Vessel.
Utica .....	53 00	39 00	Not employed; screw, passenger.
Seaborn.....	9 00	8 00	do do yacht.
Pilgrim .....	18 64	15 42	do do passenger.
Conqueror.....	198 73	15 25	do paddle, tug.
Emma Munson.....	32 63	13 08	do screw do
Ontario .....	80 11	50 47	do paddle do
Whistle Wing.....	87 90	70 80	do do do
Marquis of Lorne .....	20 19	10 59	do screw, yacht.
Pearl .....	7 70	5 20	do do passenger.
	506 90	227 91	

Total number of vessels, 129.

do gross tonnage of all the vessels, 16,091 25 tons.

do number of vessels inspected, 120.

do gross tonnage of vessels inspected, 15,584 35.

do amount of dues and fees collected on account of inspection .. \$1,292 78

do amount of engineers fees collected to 31st December .. ... 55 00

\$1,347 78

## STEAM Vessels Inspected from 15th September to 31st December, 1887.

EASTERN DIVISION—JAMES DICK, HULL INSPECTOR.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Eliza Bonner.....	25	Close naviga..	25	\$ cts. 6 04	Ferry, Bellville and Tossmore.

## MONTREAL DIVISION—JOHN BURGESS, STEAMBOAT INSPECTOR.

Aries .....	.....	Sept. 16, 1888..	6·	24 5	Screw, tug.
C. Anderson .....	.....	do 20, 1888..	105·4	20 08	do passenger.
Caribou .....	.....	do 20, 1888..	115·4	60 08	do do
Plover.....	.....	Oct. 6, 1888..	43·1	72 05	do tug.
Aid.....	.....	do 14, 1888..	25·1	0 05	Centre-wheel, tug.
I. K. Ward .....	.....	do 29, 1888..	23·	.....	Screw, tug.
S.S. Bonavista.....	.....	Nov. 7, 1888..	1,306·52	24 08	do passenger, freight.
Irene .....	.....	do 28, 1888..	.....	.....	Yacht.
			1,623·64	200 39	

## STEAM Vessels Inspected from 30th September to 31st December, 1887.

QUEBEC DIVISION—JOS. SAMSON, STEAMBOAT INSPECTOR.

Oak Bay .....	.....	Nov. 30 .....	27	6 08	Side-wheel, tug, River Restigouche
Christianna .....	.....	do 30.....	58	7 32	do do
Frances .....	60	do 25.....	25	6 00	Side-wheel, ferry, Campbellton and Cross Point.
Maggie Hughes .....	.....	do 30.....	.....	5 00	Screw, pleasure yacht, River Restigouche.
Admiral .....	350	do 25.....	508	28 32	Side-wheel, passenger, Campbellton and Gaspé.
L. N. G. ....	.....	do 30.....	11	5 44	Screw, Quebec Harbor tug.
Amanda.....	.....	do 30.....	11	5 44	do do
St. Catherine .....	.....	do 30.....	8	5 32	do do
City .....	.....	do 30.....	50	7 00	Side-wheel, Quebec and River St. Lawrence
H. C. Curtis.....	.....	do 30 .....	36	6 44	Screw, Quebec Harbour tug.
Emma ....	.....	do 30.....	.....	5 00	Screw, pleasure yacht, Sorel.
Anni Marie .....	.....	do 25.....	8	5 32	Screw, pleasure and tug, Lake Aymer.
			742	92 68	

## STEAM Vessels Inspected from 30th September to 31st December, 1887.

QUEBEC AND MONTREAL DIVISION—PIERRE D. BRUNELLE, HULL INSPECTOR.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Frances .....	60	Nov. 25 .....	25	\$ cts. 6 00	Side-wheel, ferry, Campbellton and Cross Point. Side-wheel, passenger, Campbellton and Gaspé.
Admiral.....	350	do 25.....	508	28 32	
	410		533	34 32	

## MARITIME PROVINCES DIVISION—DOUGLAS STEVENS, STEAMBOAT INSPECTOR.

Evangeline.....	135	Sept. 6, 1886...	78·74	8 16	Twin-screw, ferry passenger.
St. Pierre.....	60	do 29, 1886...	496·44	27 84	Screw, freight and passenger.
Tourist.....		Oct. 7, 1886...	11·78	5 48	do tug.
Dream.....		do 8, 1886...	44·00	6·76	do yacht.
Marguerite (new).....		do 14, 1886...	19·66	7 00	do do and tug.
Eldon (new) .....		do 18, 1886...	31·32	6 28	do freight.
Secret.....	300	do 25, 1886...	466·56	26 64	do do and passenger.
Delta.....	12	Nov. 3, 1886...	873·91	42 92	do do do
Mascot.....		Dec. 20, 1886...	22·88	5 92	do tug.
Dorcas.....		do 24, 1886...	166·00	14 64	do freight.
	507		2,211·29	151 64	

## STEAM Vessels not Inspected from 15th September, 1887, to 31st December, 1887.

MARITIME PROVINCES DIVISION—DOUGLAS STEVENS, STEAMBOAT INSPECTOR.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Remarks. — Why not Inspected and Class of Vessel.
Arrow .....	10·02	7·92	Not running ; yacht and tug.
Dirigo.....	70·13	47 69	Under repairs ; screw, tug.
Andover .....	185·78	139·98	Laid up ; steam, wheel, passenger.
Champion .....	190·14	119·79	do paddle, tug.
Clyde .....	592·00	219·00	do do passenger.
Forest Queen.....	115·22	72 59	do do tug.
Grip .....	3·00	3·00	do screw, yacht.
George Shattuck .....	361·64	231 27	do do passenger.
Henry Aitken.....	38 52	26·20	do do tug.
Islet .....	5·05	3 44	do do do
John Williams.....	4·95	3·37	do do yacht and tug.
Laddie .....	42·16	28 58	do do tug.
Meta .....	5·00	1·00	do do yacht.
Onangondy .....	294·75	98·81	do paddle, passenger.
Oscar Wilde .....	72·00	45·10	do stern-wheel, passenger.
St. Patrick .....	38·92	25·78	do screw, tug.
St. Louis.....	4·97	3·38	do do yacht.
St. George .....	37·53	18·76	do do tug.
St. John.....	47·28	32·15	do do do
Empress.....	929·60	660·14	do paddle, passenger.
Glendon .....	266·59	175·42	do screw, wrecker.
	3315·24	1965·37	



STEAM Vessels Inspected for the Year ended 31st December, 1887.

MARITIME DIVISION—C. R. COKER, DOMINION INSPECTOR OF HULLS, &C.

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Secret.....	300	Nov. 7, 1888	466	\$    cts 26 64	Passenger vessel.
Delta.....	6	Nov. 3, 1888	873·21	42 92	Freight boat, accommodation for six passengers.
.....	.....	.....	.....	.....	.....

STEAM Vessels not Inspected for the Year ended 31st December, 1887.

MARITIME DIVISION—C. R. COKER, DOMINION INSPECTOR OF HULLS AND EQUIPMENT.

Name of Vessel.	Gross Tonnage.	Registered Tonnage.	Remarks. — Why not Inspected and Class of Vessel.
Onangondy.....	294·75	98·81	Laid up for repairs.
Andover.....	139·88	.....	Laid up on blocks.
Sarah H.....	81·46	.....	Used as a tug.
Forest Queen.....	72·54	.....	do
Wellington.....	54·54	20·60	Laid up.
Clyde.....	593	219	do
Tourist.....	11·78	.....	Now used as a tug.
.....	.....	.....	.....

STEAM Vessels Inspected for the Year ended 31st December, 1887.  
BRITISH COLUMBIA DIVISION—W. A. RUSSELL, STEAMBOAT INSPECTOR

Name of Vessel.	Number of Passengers allowed.	Date Certificate Expires.	Gross Tons.	Tonnage Dues and Inspection Fees Paid.	Remarks.
Pilot.....	25	Sept. 16, 1888...	183·08	\$ cts 15 32	Tug boat.
Stella .....		do 21, 1888 ..	16·32	5 64	do
Iris .....		do 21, 1888...	19 32	10 80	\$5 not previously collected for special inspection.
Elevator.....		Oct. 10, 1888...	23·46	5 96	Paddle, water tank,
Lilley .....		do 11, 1888...	33·57	6 34	do
Wilna .....		do 10, 1888 ..	4·04	5 16	Pleasure yacht, brought in from United States.
Falcon.....		do 17, 1888 ..	52·44	7 12	Tug boat.
Western Slope.....		do 19, 1888...	831·59	41 28	stern-wheel, freight boat.
Caribou Fly .....	35	do 24, 1888...	230·95	16 84	Twain screw, freight and passenger.
Spratts Ark .....		do 24, 1888...	307·88	20 32	do freight scow.
Maude .....	45	do 27, 1888...	174·99	15 00	Screw, freight and passenger boat.
Richmond .....	40	Nov. 7, 1888...	102·89	12 12	Paddle, freight and passenger.
Spitfire .....		do 14, 1888...	8·	5 32	Screw, tug boat, special inspection
Nellie Taylor.....	16	do 16, 1888...	5 88	5 20	Screw, passenger and ferry, Burrard inlet.
Glad Tidings .....		do 15, 1888...	43·02	5 00	Mission Boat, special inspection.
			1,211·84	136 14	

BRITISH COLUMBIA DIVISION—R. COLLISTER, HULL INSPECTOR

Pilot.....	25	Sept. 16, 1888..	183·08	15 32	
Alice .....	20	June 27, 1888...	54·10	6 36	
Pearl .....	20	Mar. 21, 1888...	75·27	8 00	
Nellie Taylor.....	16	Nov. 16, 1888...	5·88	5 20	Ferry boat.
Spratts Ark .....		Oct. 24, 18·8...	307·88	20 32	
Caribou Fly .....	35	do 24, 1888...	220 95	16 84	
Western Slope .....		do 19, 1888...	831·59	41 28	
Maude .....	45	do 27, 1888...	174·99	15 00	
Mermaid.....	20	July 22, 1888...	66 25	7 64	
Gladys .....	70	Mar 31, 1888...	146 02	5 00	Special inspection.
Mamie .....	15	July 26, 1888...	86·60	8 60	
			2,152·61	149 56	

**SUPPLEMENTARY STATEMENT of the Number of Steam Vessels added to the Dominion, from 15th September, 1887, to 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built; and where and how Employed.**

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Anne Marie .....	.....	Screw .....	Wood .....	8-14	5-54	Lake St. Joseph, 1886. ....	Unfit for passengers on Lake Aymer.
Lena .....	.....	do .....	do .....	Not registered.		Lake Megantic, 1886 .....	do Lake Megantic.
Minerco .....	.....	do .....	Composite	do		Lake Temiscamagne, 1887	do Lake Temiscamagne.
Adirondocke .....	.....	do .....	Wood .....	12-27	8-24	Berthier, 1887 .....	Screw, passenger, Berthier and Sorel.
S.E. Davis .....	.....	do .....	do .....	Not registered.		Quyon, 1887 .....	Unfit for passenger, Quyon.
				20-41	13-78		PIERRE D. BRUNELLE, Hull Inspector.
Marguerite .....	2-13	do .....	do .....	19-66	12-30	New York, 1877; rebuilt at New Bedford, 1882.	Eastport and St. Croix River; yacht and tug.
Eldow .....	2-7	do .....	do .....	31-32	14-66	Penette, P. E. L. ....	Penette, Orwell, Charlottetown, P. E. I.; freight.
Dorcass .....	79-23	do .....	do .....	166	.....	Sackville, N. B. ....	Bay of Fundy; freight.
				216-98	26-96		DOUGLAS STEVENS, Steamboat Inspector.

**SUPPLEMENTARY STATEMENT of the Number of Steam Vessels added to the Dominion, from 30th September to 31st December, 1887; their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.**

Name of Vessel.	Horse-Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Maud.....	4-33	Screw.....	Wood ..	18-26	12-42	Penetanguishene, 1887.....	Penetanguishene, passenger.
Pervis.....	1-87	do .....	do ..	12-65	8-60	Detroit, U.S., 1887 .....	Duck Island Lighthouse, fishing tug. W. J. MENNELLY, Steamboat Inspector.
James A. Walker.....	6-20	do .....	do ..	30-91	21-02	Kingston.....	Tug on the great lakes. EDWARD ADAMS, Engine Inspector.
Anna Maria.....	46	do .....	do ..	183-58	98-16	Kingston.....	Tug on the great lakes.
St. Roch.....	1-59	do .....	do ..	8-14	5-54	Lake St. Joseph, 1886.....	Tug on Lake Aylmer.
Forrest.....	8-04	do .....	do ..	17-70	7-88	St. Roch, Quebec, 1887 .....	Quebec Harbor, tug.
Jenette.....	4-4	do .....	do ..	26-06	17-71	Chicoutimi, 1887 .....	Chicoutimi, pleasure yacht.
Chicoutimi.....	1-02	do .....	do ..	Not registered.		do 1886.....	do do
Lena.....	0-57	do .....	do ..	do	do	do 1887.....	do do
Frank.....	3-12	do .....	do ..	do	do	Lake Megantic, rebuilt, '86	Lake Megantic, tug.
Jeannett.....	16-08	Stern-wheel.....	do ..	53	39	Rivière du Loup ( <i>en haut</i> ), 1886.	Towing from Sorel and Rivière du Loup.
Maggie H.....	1-02	Screw.....	do ..	Not registered.		Chicoutimi, 1887 .....	Chicoutimi, pleasure yacht.
	2-28	do .....	do ..	do	do	do 1887 .....	do do
							Jos. SAMSON, Steamboat Inspector.

SUPPLEMENTARY STATEMENT of the Number of Steam Vessels added to the Dominion, from 15th September, 1887, to 31st December, 1887, their Class and Horse Power; whether of Wood or Iron; their Gross and Registered Tonnage; where built; and where and how Employed.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Wilna .....	5	Screw Yacht.....	Wood....	4.04	2.75	Sacramento, California,	Nanaimo, by manager of colliery.
Falcon .....	4.8	Screw Tug .....	do	52.44	35.66	U.S. Fraser River, B.C.	Waters of British Columbia, towing.
Richmond .....	4.8	Paddle Passenger....	do	102.89	69.75	North Arm Fraser River, B.C.	North Arm Fraser River and Burrard Inlet, Passenger.
				159.37	108.16		W. A. ROSSLL, Steamboat Inspector.
Falcon .....	4.8	Screw Tug Boat.....	do	52.44	35.66	Fraser River .....	Waters of British Columbia, towing.
Richmond .....	4.8	Paddle Freight and Passenger.	do	102.89	69.75	do	Fraser River and Vancouver, freight and passenger.
Wilna .....	5	Yacht .....	do	4.04	2.75	California, U.S. ....	Nanaimo, pleasure yacht.
				159.37	108.16		R. COLNSTAR, Hull Inspector.

STATEMENT of Steam Vessels Lost, Broken Up, or Laid Up, as unfit for service, in the Dominion, during the Year ended 31st December, 1887; and where and how Employed.

WEST ONTARIO, HURON AND SUPERIOR DIVISION—W. J. MENEILLEY, STEAMBOAT INSPECTOR, WEST ONTARIO AND HURON.

Name of Vessel.	Where and how Employed.	Name of Vessel.	Where and how Employed.
Albion .....	Great Lakes, freight.	C. H. Merritt.....	Chatham and Detroit, passengers.
California .....	Chicago and Montreal, passengers.	Eliza A. Gibson....	Sandwich, yacht.
City of Owen Sound	Collingwood and Duluth, passengers.	Lincoln .....	Great Lakes, freight.
		Steve A. Lyon.....	Welland Canal, tug.

MONTREAL DIVISION—JOHN BURGESS, STEAMBOAT INSPECTOR.

Levi Young.....	Ottawa River, towing.	Rose .....	Ottawa River, freight.
Raftsmen.....	Caughnawaga and Lachine.		

MONTREAL DIVISION—PIERRE D. BRUNELLE, HULL INSPECTOR.

Raftsmen .....	Side-wheel, ferry, Lachine and Caughnawaga.		
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APPENDIX No. 2.

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, for the Year 1887.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Jan. 14	Afton .....	7	St. John, N.B.	Schooner ...	84	St. John, N.B., to Portland, Me.	Cranberry Island ..	Stranding ...	Gale.....	.....	Total....	\$ 1,500
do 3	Arthur .....	19	Lunenburg ....	do ...	28	Port Hood to Mar- garie Harbor...		do ...	Ice.....	.....	do ...	500
April 2	Arianna.....	15	St. John. ....	do ...	163	St John to New York	20 miles S.W. of Monbegan, Me.	Filled and abandoned.	Storm.....	.....	do ...	2,000
Mar. 30	Alaska .....	4	Cardiff. ....	do ...	1387	Cardiff to Philadel- phia.	Lat. 28° 5' 8', long. 65° 29'.	Struck some object.	.....	.....	Partial.	2,800
May —	Annie J. Mar- shall.	10	Digby .....	Bk.....	1100	New York to Quaco.	Atlantic Ocean....	Damaged....	Gales .....	.....	do ...	50
June 3	Annâ McGee..	8	Yarmouth ....	Schooner ...	57	Pubnico to Western Banks.	Musquodobit, Hali- fax County.	Stranding ...	Gale .....	.....	Total....	Unknown.
do. 14	Alma .....	20	Christiana ....	Barque.....	558	Sydney, C. B., to Quebec.	Lat. 45° N., long. 63° 6' W.	Collision with the Milmerby.	.....	.....	Partial..	4,500
July 10	Armenia.....	12	Italian.....	Bk.....	676	Philadelphia to Mira- michi.	Portage Island, Mi- ramichi.	Stranding ...	No pilot.....	.....	do ...	6,500
June 9	Acacia .....	6	Sunderland....	Steamer ....	1150	Maryport to North Sydney.	Schooner Pond Wedges.	do ...	Fog .....	.....	Total....	Unknown.

Aug. 16	Annie Belle.....	Boston .....	Schooner ....	186	St John to New York; Suspension Bridge St. John.	Bow stove, and sunk	Bridle broke...	do ...	3,000 cargo
June 23	Anna P. Odell	St. Andrew's, N.B.	Brigantine...	379	Portland, Me., to Duck Island, near Mount Desert.	Stranding ...	Fog .....	do ...	Unknown.
July 6	Alice L. M Crowdis.	Halifax .....	Schooner....	53	Sydney to Halifax ... S. W. Breaker, Wedge Isl., N.S.	do ..	do .....	do ...	1,400
Aug. 5	Ariadne .....	Skain, Nor ...	Bk .....	31	Sackville, N.B., to Cumberland Bay... Conway, Wales.	do ...	Anchor chains parted.	do ...	5,500 cargo
Sept. 7	A G Blair ....	St. John .....	Schooner ....	8	Boston to St. John... Long Island, S.W. Point.	do ...	Error in judgment on part of mate.	do ...	2,500
Nov. 8	Anna Maria....	Quebec.....	do ...	67	St Pierre to Quebec Etack Brook, Victoria, Co., U B.	do ...	Leak .....	do ...	U-known.
do 16	Alice May ....	Magdalen Ids	do ...	39	Halifax to Magdalen Islands. Sandy Hook Shoals	do ...	Wind .....	do ...	1,170
July 14	Areola .....	St. John .....	Bk .....	247	Fa'mouth to London. Blyth Sand, Eng...	do ...	Fog .....	Partial..	19,950
Nov. 29	Annie W. Akers.	St. John .....	Schooner....	124	St. John to Boston ... 20 miles east of Portland.	Stranding ...	Carelessness in master.	Partial..	470
Aug. 25	Annie Stafford	do .....	Bk .....	1297	Hollo to New York. Off Cape Hatteras	Damaged....	Hurricane ...	do ...	17,000
July 30	Alaric .....	Liverpool.....	Brigantine ..	210	Boston to Liverpool, N.S. Seal Island, Bay of Fundy.	Stranding ...	Error in judgment.	Total....	5,000
Dec. 29	Bertie Biglow.	Yarmouth .....	Ship.. .....	1142	New York to Shang- hai. Atlantic.....	Spars, &c lost.	Gales .....	Partial..	14,000
Aug. 12	Belle.....	Guy'sboro' .....	Schooner....	31	Pictou to St. Marys... Entrance, Straits of Canso.	Collision with steamer 'Edward Blake.'	.....	do ...	110
July 8	Busy William.	Halifax .....	do .....	65	Halifax to Cow Bay, N.S. Ecum Secum .....	Stranding ...	Sunken reef....	Total....	1,000 cargo
Oct. 3	Benefactor.....	Liverpool, N H	do .....	1034	Cow Bay to Montreal	Collision with ferry Str. "Longitudeuil."	.....	Partial..	800
								Trifling	



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

Date of Casualty.	Name of Vessel.	Age	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
July 2	Bombay .....	5	London .....	Schooner .....	2014	Newcastle to Montreal.	Opposite Longueuil.	Stranding ...	Fowling of steerage gear	.....	Slight ..	\$
Oct. 13	Brilliant .....	32	Port Hawkesbury.	do .....	78	Shediac to St. Pierre	Summerside, P. E. I.	Burned .....	Unknown ..	.....	Total ...	Unknown.
Nov. 8	Bachelors .....	17	Yarmouth ..	Barque .....	655	Buenos Ayres to Yarmouth.	Entrance of Yarmouth Harbor.	Stranding ...	Gale .....	.....	do ...	5,000
do 20	Bessie Simpson	24	St. Andrews ...	do .....	412	.....	Harbor Grace, Newfoundland.	Burned .....	Unknown ..	.....	do ...	Unknown.
Dec. 28	British Princess.	4	Liverpool, Eng.	4 Master .....	2568	Philadelphia to Liverpool.	Atlantic .....	Shaft broke	Wear and tear	.....	Trifling.	
Oct. 24	Busiris .....	13	St. John .....	Schooner .....	249	Point Wolf, N. B., to New York.	Point Wolf, Albert County, N. B.	Stranding ...	Tide .....	.....	Partial.	3,000
Sept. 12	Billy Simpson.	15	Windsor, N. S.	Bk .....	432	Sandakin to Tientsen	China sea .....	Foundering	Become water-logged.	.....	Total .....	5,000
April 29	Barcelona .....	7	Dan-dee .....	Schooner .....	1855	Palermo to Montreal	Traverse .....	Stranding ...	Proceeded up St. Lawrence before light vessels and buoys were placed.	.....	Partial ..	Unknown.
Jan. 25	C. Graham .....	14	Halifax .....	do .....	1176	Bermuda to Halifax.	Dover Castle Rock	Stranded ...	Unknown .....	6	Total .....	2,500
Mar. 10	C. Y. Gregory	8	St. John .....	do .....	88	Providence to St. John.	Dutch Island .....	do .....	Gale .....	.....	Partial ..	1,000

Date	Name of Vessel	Origin	Destination	Latitude	Longitude	Cause of Loss	Number of Persons	Value of Cargo	Notes
Mar. 16	Cloilde	St. John	Portland to New York	Last seen off Boone Island.		Lost.	122	2,000	Gale
Jan.	Calliope	Windsor, N.S.	London to New York	Atlantic		Strained during voyage.	120	5,000	Gales
April 7	U. B. Manning	Gloucester, Mass.	Gloucester, fishing	Entrance of Yarmouth Harbor.		Stranding	68	3,880	Becalmed
May 17	Oacuna	Montreal	Sydney to Montreal	Cape Bath		Stove	920	3,000	Ice
Mar. 25	Christina	Halifax	Cainfugos to Boston	N'r George's Bank		16 stanchions lost	164	2,000	Gales
May 18	Oastledale	Liverpool	Sydney to Montreal	Lat. 46° 18' N; Long. 60° 12' W.		Collision	1533	2,300	Ice
July 3	Charles P. Thompson	Gloucester	Gloucester to Fishing Grounds	Blonde Rock, N.S.		Stranding	69	1,500	Mistook light
June 4	Oaspian	Glasgow	Baltimore to Halifax	Off Sambro		Damaged	6	2,500	Struck sunken wreck
May 17	Clifford	Halifax	Kingston, W.I., to Black River, W.I.	Black River, Jamaica		Stranding	134	5,000	Hurricane
June 16	Chastins Moore	Windsor, N.S.	San Domingo to New York	Lat. 38° 39' N; Long. 73° 59' W.		Foretop-lant mast carried away	21	300	Gale
July 28	Cholmley	Whitby, G.B.	Montreal to Pictou, N.S.	3 miles below Pictou Light		Collision	891	3,000	Pilot
June	Cathella	Montreal	Sydney, C.B., to Montreal	Off Gaspé		Foundering	422	Unknown	Stress of weather
do	Cotherstone	London	Liverpool to Montreal	River St. Lawrence		Grounded	1487	do	Unknown
Sept. 7	Casapedia	Liverpool	Sydney, C.B., to Montreal	4 miles below Sorel		do	1924	Loss unknown	Error of pilot
June 6	Coastance	St. John	Fishing, Holland, to New York	18 miles N.W. of St. Catharines Head		Collision with str. "Hecla"	1521	400	

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

Date of Casualty.	Name of Vessel.	Tons.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Aug. 27	Chignecto .....	13	Windsor, N.S.	Bk. ....	1022	London to Philadelphia.	Lat. 43° 23' N.; Long 53° 41' W.	Damaged ...	Hurricane ...	.....	Partial.	\$ 500
June 15	Clifford .....	5	Shelburne .....	Schooner ...	88	Halifax to Shelburne	Near Lockport, N.S.	Stranding ...	Haze .....	.....	Total ...	3,500 cargo
Nov. 26	Coban .....	5	Montreal .....	Barge .....	683	Montreal to Cape Town.	Traverse, St. Lawrence.	Grounded ...	Snow squall ...	.....	.....	Unknown.
July 24	Olara .....	20	St. John, N.B.	Schooner ...	94	Moncton to Ports-mouth.	Cape Merangin, W. County, N.B.	Stranding ...	Fog .....	.....	Partial.	450
Jan. 8	Druid .....	5	St. John .....	do .....	101	St John to Boston...	2 miles E. of the Wolves.	Strained ...	Heavy weather	.....	do ...	400
May 7	Dracona .....	3	Dundee .....	do .....	1245	Charente to Montreal	Off N. E. coast....	Hole .....	Ice .....	.....	.....	Unknown.
July 19	Dei Gratia .....	16	Youghall .....	Brigantine..	296	Cork to St. John ...	Lat. 41° N, Lon. 59° W.	Masts and gear carried away	Gale .....	.....	Partial.	1,600
do 12	Dominique .....	11	Arichat .....	do ..	288	Glace Bay to Powes, Port Rico.	Cayenne Reef .....	Stranding ...	Currents .....	.....	Total ...	7,500 cargo
Oct. 10	Daisy .....	19	Halifax .....	Schooner ...	35	Halifax to Bay of Islands, N.H.	Cat Harbor, Bras d'Or Lake.	do ...	Water-logged.	.....	.....	Unknown cargo
do 22	Dominion .....	5	Gaspé .....	do .....	73	Pabos to Paspébiac.	Bay Chaleur .....	do ...	Gale .....	.....	Partial.	1,400
Nov. 3	Duchess of Argyll.	13	Liverpool .....	Ship .....	1699	San Francisco to Burrard's Inlet, B.C.	Vancouver Island, B.C.	do ...	Fog .....	.....	Total ...	30,000

Aug. 26	Dionis .....	6	Barrington ....	Schooner ....	96	Lunenburg to Porto Rico.	Supposed to have foundered at sea.	.....	Gale .....	7	do ...	Unknown.
Jan. 3	Emma .....	7	Port Hawkesbury.	do .....	24	Port Hood to Margaree .....	Margaree .....	Stranded .....	Freshet .....	.....	Partial.	70
Feb. 28	Evangeline .....	15	Halifax .....	Brigantine ..	142	Mayaguez to Halifax	36° N. Lat, 63° W. Lon.	Port sides damaged.	Gale .....	.....	do ...	850
Mar. 31	Elsie Cronan ..	4	do .....	do .....	146	Halifax to Mayaguez	Lat. 41° N., Lon. 64° W.	Foundered.	Hurricane .....	.....	Total ...	8,000
April 3	Eliza Cook ...	2	Lunenburg ....	Schooner .....	89	Halifax to Hamilton, Bermuda.	N. Lat. 41° 19', W. Lon. 61° 37'.	do ...	Heavy sea ...	.....	do ...	2,500
Jan. 31	Eurydice .....	23	St John .....	Ship .....	1246	Liverpool to St. John, N.B.	Atlantic, during passage.	Straining, causing a leak.	Gales .....	.....	Partial.	1,100
May 9	Eda .....	12	Norway .....	Sk .....	567	London to Chatham, N.B.	Horse Shoe Bar near Miramichi.	Stranding ...	Ice .....	.....	do ...	4,000
Feb. 18	Evangeline .....	9	Weymouth, NS	Schooner .....	95	Yarmouth to Church Point	Mink Cove, St. Mary's Cove, N.S.	do ...	Parted chains ...	.....	do ...	1,000
May 26	Etta Whittemore.	16	New York .....	Brigantine ..	390	Belliveau, N.S., to Weymouth, N.S.	St. Mary's Bay, N.S.	Stranding ...	Gale .....	.....	Total ...	1,600 cargo 300
April 25	Elith .....	5	Lunenburg ....	Schooner ....	148	Ponce Porto Rico to Boston.	Lat. 41° 10' N.; long. 65° 39' W.	Foundering.	Run into by str. "City of Montreal."	.....	do ...	5,000
May 9	Eda .....	12	Hordstern .....	Barque .....	567	London to Chatham, N.B.	Horse Shoe Bar, Miramichi.	Stranding ...	Ice .....	.....	Partial.	4,000
Aug. 15	Emma May ...	9	Halifax .....	Schooner ...	93	Gwantanama to Halifax.	Fish Keys, Bahamas.	do ...	Sprang a leak .....	.....	Total ...	3,000 cargo unkn.
Oct. 16	Easkaro .....	1	Spanish .....	do ...	1396	Havana to Montreal.	Montreal Harbor...	do ...	Obstruction in channel.	.....	Partial..	Unknown.
do 25	Ella Mand .....	2	Moncton .....	do ...	160	Moncton to Providence.	Hedge Fenec Shoal, U.S.	do ...	Unknown .....	.....	do ...	1,000 cargo 200
Nov. 11	Earnest .....	20	St. John .....	do ...	79	Peck's Cove, N.B., to St. John.	2 miles W. Little Salmon River.	do ..	Gale .....	.....	Total ...	700 cargo trifling
Aug. 12	Edward Blake.	5	Shelburne .....	do ...	109	Myer's Creek, Labrador, to Halifax.	Straits of Canso ...	Collision with schr. "Belle."	.....	.....	.....	No damage.

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

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig	Register Tonnage.	Port sailed from— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Feb. 21	Frank Irwin	2	St. John's, Nfld	Schooner	64	Port Herbert to St. John's, Nfld.	Tom Od Shoal.	Stranding	Shoals not on chart.	.....	Total....	Unknown.
May 7	Fleetly	12	Lunenburg	do	93	Halifax to Harbour aux Bouche.	Embrees Cove, Straits of Canso.	do	.....	.....	Partial.	50
Mar. 26	Flora B.	4	Parrsboro'	do	70	Oorwallis to Boston	Port George, N.S.	do	Rudder broke adrift.	.....	Total....	2,000
do 22	Ginn	—	Norwegian	Barque	481	Tonsberg, N.Y., to Sheet Harbor.	Off Canso	Damaged	Ice	.....	Partial.	7,000
June 10	Florence F	6	Windsor	Schooner	9	Jamaica to Halifax	West Indies	Stranding	Squall	.....	Total....	4,500
do 12	Francisca	7	Spanish	Brigantine	1888	Philadelphia to Michi.	Portage Island	do	No pilot	.....	Partial.	6,500
Mar. 28	Fidela	19	St. John, N.B.	do	450	St. Thomas, W.I., to Buenos Ayres.	Lat 19° N ; long 42° W.	Leaking	Gales	.....	Total ..	4,000
Aug. 19	Fortuna	40	Fredrekstad	Bk	374	Sarpsborg to Sackville, N.B.	100 miles E.S.E. Liverpool, N.S.	Damaged & condemned	Stress of weather.	.....	Partial.	5,000
Nov. 23	Fearnot	7	Lunenburg	Schooner	93	Victoria to Halifax	Bras d'Or Lake	Touched bottom.	Buoy out of place.	.....	do	100
June 24	Frederica	3	St. John	Brigantine	429	St. John, N.B., to Dundalk, Ireland.	Brien Island	Stranding	Fog	.....	do	4,500 cargo 900
Jan. 21	Gladys	2	Shelburne	Schooner	144	New York to Halifax, N.S.	Chaggojin Point, near Yarmouth.	Stranded	Mistook light	.....	Total....	7,000

Date	Name	Age	Charlottetown	Barque	477 St. John to Liverpool, G.B.	Bay of Fundy	Strained	Gales	Loss	Unknown
April 2	G. H. Gordon	12	Charlottetown	Barque	477 St. John to Liverpool, G.B.	Bay of Fundy	Strained	Gales	.....	Unknown
May 26	Glenrath	8	Leith	Steamer	Coosaw via Norfolk to Liverpool.	Flat Point, Cape Breton.	Stranding	Fog	.....	do
July 11	Galena	4	Windsor, N.S.	Schooner	Windsor to New York Co. J.	Off Chatham, Cape Cod.	Collision with the "Stella M. Kenyon"	.....	do	250
Jan. 6	Geo. Davis	10	do	Bk	Wilmington to Liverpool.	Near Wilmington, North Carolina.	Grounded	Unknown	.....	500
Aug. 6	Grace Greenwood.	9	Shelburne	Schooner	Halifax to Cow Bay.	County Harbor, Ledges, N.S.	Stranding	Thick weather	.....	500
Nov. 18	G. J. Wrayton	6 m.	Barrington	do	Flags Cove to Seal Island.	Near Grand Manan	Foundering	Squall	.....	2,500
Jan. 18	Henry Batty	10 m.	Halifax	do	Bank of Islands to Halifax.	Meat Cove, C.B.	Stranding	Snowstorm	.....	3,500
Mar. 11	Hartville	8	West Hartlepool.	do	Norfolk, Va., to Liverpool, G.B.	43° 20' lat; 47° long.	Collision	Ice	.....	2,000
Feb. 9	Hudson	3	St. John	Ship	Philadelphia to Hong Kong, Japan.	Amblan Island	Stranding	A calm	.....	50,000
May 7	Harley	8	West Hartlepool.	Schooner	Port Royal to ---	Flat Point Light-house.	Collision with ice.	Ice	.....	1,000
April 2	Harry Mathias	10	Barrington, N.S.	do	Barrington to Wood Harbor.	Bar Point, Bar-Stranding	Stranding	Gales	.....	25
May 18	Hungaria	3	Newcastle	do	Glouce Bay to Montreal.	7 miles N.-E. of Glouce Bay.	Collision	Ice	.....	2,500
July 7	Herbert	3	Sackville	Brigantine	Barbadoes to St. John N.B.	Long Island, Digby Co, N.S.	Stranding	Fog	.....	2,000
Aug. 27	Highflyer	26	Germany	Barque	New York to Dantzic	Lat. 41° 12' N, lon. 63° 39' W.	Damaged	Hurricane	.....	Unknown
do	Harald	15	Halifax	do	Philadelphia to Dunkirk.	.....	do	Gale	.....	4,300
Oct. 20	Henrietta	17	Yarmouth	Schooner	St. John to Westport, N.S.	Brier Island	Foundering	Not shortening sail at proper time.	.....	800

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

Date of Casualty	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from.— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Sept 27	Harmony . . . . .	28	Windsor . . . . .	Schooner . . . . .	102	Cow Bay to Halifax.	Near Lake Advice, N.S.	Stranding . . . . .	Thick weather . . . . .	.....	Total . . . . .	\$ 1,000
Nov. 16	Helen May . . . . .	2	Halifax . . . . .	do . . . . .	70	Canso . . . . .	Canso Banks, fishing.	Damaged . . . . .	Gale . . . . .	.....	Partial . . . . .	350
Dec. 7	Henrietta . . . . .	6	Lunenburg . . . . .	do . . . . .	115	Anquilla to Lunenburg.	Lat. 24° 50', long 68° 8'.	Foundering . . . . .	Stress of weather . . . . .	.....	do . . . . .	4,000 cargo 5,000
April 27	Hectanooga . . . . .	12	Yarmouth . . . . .	Ship . . . . .	1066	St. John to Sydney . . . . .	Lat. 45° 50' N., long. 69° 40' W.	Collision with ice . . . . .	High winds . . . . .	.....	Serious damage . . . . .	.....
Jan. 7	Isabel . . . . .	7	Windsor . . . . .	Barque . . . . .	1260	New York to Antwerp.	Galloper, Sands, Eng.	Stranding . . . . .	.....	.....	Partial . . . . .	4,876
June 2	Learus . . . . .	12	Windsor, N.S. . . . .	Brigantine . . . . .	482	Barbadoes to Portland.	Lat 20°, long. 58° . . . . .	Damaged . . . . .	Gale . . . . .	.....	do . . . . .	1,500
Oct. 20	Ireland . . . . .	.....	Liverpool, G B . . . . .	Barque . . . . .	973	St. John, N.B., to Carnarvon.	Brier Island . . . . .	Foundered . . . . .	Fog and smoke . . . . .	.....	Total . . . . .	15,000
Nov. 16	L. G. C. . . . .	8	Halifax . . . . .	Schooner . . . . .	40	Hawkesbury to Halifax.	Port Hawkesbury.	Collision with schr. Osprey . . . . .	.....	.....	Partial . . . . .	200
do	Iona . . . . .	4	St. John, N.B. . . . .	do . . . . .	79	Harbor Grace to N. Sydney.	Sydney Harbor . . . . .	Stranding . . . . .	Fog . . . . .	.....	do . . . . .	25,000
Dec. 1	L. Savard . . . . .	13	Quebec . . . . .	do . . . . .	138	Borges, N. F., to Georgetown, P. E. I.	50 miles south of St. Paul's Island.	Sprung a leak . . . . .	Gale . . . . .	.....	do . . . . .	200
Sept. —	L. A. Washington . . . . .	7	Sydney, C. B. . . . .	do . . . . .	.....	Gabarous to Halifax.	Beaver Harbor . . . . .	Stranding . . . . .	Sprung a leak . . . . .	.....	Trifling . . . . .	.....

Mar.	1	James Watson	7	St. John, N.B.	do	...	97	St. John to New York.	New Great Point, Nan-tucket.	Nan-Stranded...	Gale	1	Total...	2,500
Jan.	3	Joseph Ann.....	...	Port Hawkes-bury.	do	...	22	Port Hood to Mar-garee.	Margaree Harbor.	do	Wind	.....	Partial.	50
do	23	Josie .....	2	Guysborough..	do	...	97	Bay of Islands to Halifax.	Isaac's Harbor	Collision	.....	.....	do	300
Mar.	30	Joe Read .....	6	Charlottetown	Barque	.....	585	Bordeaux to Summer-side.	Canso Reef.	Stranding	Gale	.....	Total....	Unknown.
May	7	J. L. Crossley	12	Windsor, N.S.	Schooner...	...	170	Gabarous, C. B., to Little Glace Bay.	Glace Bay Shoals.	do	Snow storm..	.....	Partial..	1,250
Sept.	17	James Dwyer..	12	Halifax, N.S.	do	...	99	Aquadella to Halifax	Mud Island, N.S.	do	Currents, and incompetency of crew.	.....	do	700
Nov.	4	John T. Ives..	11	Port Hawkes-bury.	Brigantine...	...	358	Whycomagh to Guysboro'.	Keating's Point, Guysboro' Har-bor.	Stranding	Unknown	.....	No loss..	cargo 3,500
Sept.	23	Journal .....	10	Charlottle-town.	Barque	.....	349	Port of Spain to Philadelphia.	Danish West Indies	Burning	do	.....	Total....	20,000
Nov.	19	Jane White....	10	Halifax.....	Schooner...	...	39	Economy, N.S. to St. John, N.B.	Partridge Island	Stranding	Gale	.....	do	800
Sept.	2	John Mann....	20	Windsor, N.S.	Ship	.....	1043	Rotterdam to New York.	Lat. 47° 27' ; long. 16° 21'.	Foundering.	Leak	.....	do	10,000
Nov.	5	Kate E. Stuart	17	Halifax.....	Schooner...	...	54	Liscomb to Halifax.	Ecum Secum, Hal-ifax.	Stranding	A rock	.....	Partial.	400
Jan.	3	Lotus .....	13	Windsor, N.S.	Barque.....	...	462	Fowey, Eng. to New York.	Long Island	do	Thick fog	.....	Total....	13,000
April	19	L. B. Young...	2	Lunenburg....	Schooner...	...	100	Jamaica to Lunenburg.	Lat. 32° 21' ; long. 69°.	Leaking and unmanage-able.	Lurched	.....	Partial..	5,000
do	4	Levuka .....	3	Windsor .....	Barque.....	...	1426	London to New York	Near Sandy Hook, New York.	Stranded....	Fog	.....	do	6,000
do	5	Laura .....	11	Maitland.....	Brigantine..	...	457	Fowey to New York.	Atlantic	Abandoned..	.....	.....	Total....	Unknown.
May	26	Lyra .....	4	St John .....	Schooner...	...	99	Eastport to Apple River.	Thomas Head	Stranding	Fog	.....	Partial..	1,000



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

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
May 5	Laura Belle....	21	Halifax.....	Schooner....	74	Halifax to North Sydney.	Between St. Esprit and Point Miscon.	Sunk.....	Ice .....	.....	Total ...	Unknown.
June 26	Lyna.....	38	Christina.....	Barque.....	376	Shediac, N.B. to Sharpless, Eng.	East Point of Middle Bay, Labrador.	Stranding ...	Fog .....	.....	do ...	4,000 cargo
July 19	Lillian Baxter	4	Gloucester, N.S.	Schooner....	91	Gloucester to Grand Off Bank.	Off Canso.....	Damaged....	High winds....	.....	Partial..	75
Aug. 26	Lilian.....	5	St. John, N.B.	Ship.....	1126	Rotterdam to New York.	Lat. 43° 50'; long. 58°.	Abandoned..	Hurricane .....	.....	Total ...	10,000 cargo
do 30	Lizzie Perry...	10	Yarmouth.....	Barque.....	1123	Ship Island to Buenos Ayres.	Near Ship Island...	Struck.....	Sunken wreck	.....	Partial.	6,000
Nov. 16	Lothair.....	17	Sydney.....	do .....	481	Newfoundland to Cow Bay.	Cow Bay .....	Stranding ...	Storm .. ..	.....	Total....	12,000
do 16	Lelia .....	20	St. John.....	do .....	396	Lunenburg to Porto Rico.	Supposed to have foundered at Sea	.....	Gale.....	7	do ...	3,000
do 19	Laura Brown..	7	Parrsboro'.....	Schooner....	94	Parrsboro' to St. John.	Partridge Island...	Stranded ....	Bad weather....	.....	Partial..	1,700
May 24	Lizzie Lee.....	19	Lemoine, Me...	Schooner....	87	Bar Harbor, fishing..	Seal Island .....	Stranding ...	Currents .. ..	.....	Partial..	300 cargo
Aug. 26	Leonka .....	3	Windsor, N.S.	Barque.....	1726	Antwerp to New York.	Lat. 43° 17' N.; long 56° 49' W.	Damaged ...	Hurricane .....	.....	do ...	250
do 26	Lochiel .....	17	Halifax .....	Brigantine ..	107	Halifax to Kingston, Jamaica.	75 miles from Halifax.	Dismasted ...	do .....	.....	do ...	2,000

Date	Name	Age	Origin	Destination	Latitude	Longitude	Stranded	Gales	Remarks	Loss
Feb. 7	Mabel Howard	5	Barrington	Schooner	143	Nassau to Halifax	Lat. 25° 40' N; long. 73° 30' W.	Lat. 25° 40' N; long. 73° 30' W.	do	2,000
Jan. 13	Mary Ann	27	Halifax	do	66	Sydney to Halifax	Bass Rock	do	Chains parted.	400
April 1	Mexico	5	San Francisco	Steamship	1340	Nanaimo to Port Townsend.	Gulf of Georgia	do	Bad steering	Unknown.
Mar. 21	Moss Glen	8	St. John	Barque	893	At Bahia, loading	Bahia, Brazil	do	Heavy squalls	15,000 cargo
May 31	Mary Jane	7	Charlottetown	Schooner	56	Halifax to Ingonish.	Big Bras d'Or	do	Unknown	400
do	Mizpah	14	Yarmouth	Barque	898	Philadelphia to Quebec.	Simon's Point, C.B.	Damaged	Fog	800
June 24	Margaret Mary	14	Charlottetown	Schooner	46	St. Peter's to Orapaud.	St. Peter's Inlet	Sprung a leak.	Unknown	100
.....	Maple Leaf	6	Toronto	do	48	At Port of Toronto.	Toronto	Burning	Caught from wharf.	Unknown.
May 26	Mizpah	14	Yarmouth	Barque	898	Philadelphia to Quebec.	Simon's Point, C.B.	Stranding	Strong currents.	10,000
July 10	Merrimack	23	American	Steamer	1119	Halifax to Boston	Little Hope Island	do	Fog	150,000
do	Margaret L.	2	Sydney, C.B.	Schooner	163	North Sydney to Portsmoath.	8 miles S. by E. of Liscomb Light, N.S.	Jibboom earried away.	Squall	100
May 27	Maud & Bessie	15	St. John	do	75	McFarlane's Creek to St. John.	Dover, W. Co., N.B.	Caught on the Bank.	Stranding	1,000
Mar. 16	Mary Agnes	12	Halifax	Barkentine	241	Ponce Porto Rico to Boston.	Lat. 35° 27' N; long. 68° 10' W.	Rigging, masts and deck car-ried away.	Gale	6,500
Jan. 1	Muskoka	11	St. John, N.B.	Ship	1399	Java to Queenstown Island.	Unknown	Missing	Unknown	26,000 cargo
Sept. 3	Martha N. Hall	15	Boston, U. S.	Schooner	579	Boston to Glace Bay N. S.	Soldier's Ledge	Stranding	Error in compass.	2,500
Oct. 21	Maggie A. Jewell	4	Charlottetown	do	68	Glace Bay to Russia.	3 miles from St. Peter's, P.E.I.	Damaged	Gale	150

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

Date of Casualty.	Name of Vessel.	Tons.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost	Total or Partial Loss.	Amount.
.....	Marianne Net-tebohm.	20	American .....	Ship.....	1117	Philadelphia to Rotterdam.	North Atlantic.....	Damaged ..	Gale .....	.....	Partial ..	\$ 3,000
Nov. 8	Magellan Cloud.	8	Shelburne .....	Schooner .....	89	Georgetown to Boston.	Pt. Hawkesbury... ..	Collision.....	Wind .....	.....	do ...	70
do 11	Minnie N.....	11	St John .....	do .....	57	Hillsboro to St. John	Quaco Rock .....	Damaged.....	do .....	.....	do ...	150
Dec. 5	Minnie D. ....	new	Shelburne .....	do .....	76	Jeddore to Halifax...	3 miles of Shut-In Island.	Capsized....	Squall .....	.....	do ...	200 cargo 300
do 13	Maggie L.....	14	St. John .....	do .....	92	St. John to Rockland.	Machias, Maine.....	Stranding ..	Gale .....	.....	Total....	1,500
Feb. 8	Nimbus.....	8	Windsor .....	Barque.....	1223	Loading in the Thames for New York.	London .....	Collision.....	Run into by a steamer.	.....	Partial..	10,000
Jan. 10	Natalie .....	9	Halifax.....	Brigantine ..	199	Glouce Bay to Ponce, P. R.	20 miles W. N. W. of Sable Island.	Sprung a leak	Severe storm..	.....	do ...	90
July 26	Norfolk.....	7	Liverpool, Eng	Schooner .....	1158	Barrow in Furness to St. John.	St. John harbor.....	Stranding ..	Fog .....	.....	do ...	3,500
June 14	Neva.....	12	Halifax.....	do .....	190	St. John's, Nfld., to Bayfield, N. S.	Lat. 45° 53', long 58° 56'.	Damaged....	Sudden pitch of sea.	.....	do ...	Unknown.
May 27	Ocean King....	9	Glasgow .....	do .....	1606	London to Montreal.	Richelieu Rapids... ..	Leaking .....	.....	.....	do ...	do
do 18	Ocean Bride...	.....	Halifax.....	do .....	40	Liverpool to Little Glouce Bay.	Shoals S. of Little Glouce Bay.	Stranding ..	Thick weather	.....	do ...	400
Sept. 2	Orquell .....	9	Pictou.....	Barque.....	729	Barrow in Furness to Perth Amboy, N. Y.	Lat. 49° 30' N, Long. 20° W.	Abandoned..	Stress of weather.	.....	Total....	19,000 cargo 1,250

May	8 Paola .....	5 West Hartle-Schooner ... pool.	687 New York to Sydney, 3 miles from Guyon Island.	Starboard bow stove.	Gale .....	Partial..	3,150
Jan.	26 Pohona .....	64 Chatham, N.B. Barque.....	796 Liverpool to Savannah River... hal.	Collision....	Error in steering.	Total....	20,000
June	3 Portland .....	11 Annapolis .....	68 Boston to Pictou ...	Stranding ...	Fog .....	Partial..	400
April	16 Puyyer Quartier.	French .....	1385 London to Canso .....	Damaged ....	Ice .....	do ...	10,000
July	14 Phenora .....	13 Pictou, N.S. ...	36 Pt. Mulgrave to Pictou, N.S.	Main sails carried away.	Gale .....	do ...	150
Sept.	3 Parthia .....	13 St. John, N.B. ...	1528 London to New York	Strained and leaking.	Gales .....	Total....	25,000
do	17 Peeres .....	28 North Shields. Barque .....	739 Quebec to Newcastle-on-Tyne.	Collision with H.M.S. "Canada."	.....	Partial..	9,664
Oct.	13 Petrel .....	19 Windsor, N.S. Schooner ...	12 Advocate to Parrsboro'.	Stranding ...	Struck .....	Total ...	100 cargo 60
Sept.	20 Plutos .....	19 Norwegian ...	426 Bathurst to Glasgow	Straining....	Tremendous seas.	do ...	2,500 cargo 3,600
June	20 Queen of the Fleet.	11 Dorchester .....	941 Boston to Buenos Ayres.	Soldier's Ledge ...	Tide .....	Partial..	4,000
Aug.	7 Quickstep .....	10 Liverpool, N.S. Schooner ...	28 Liverpool, N.S., to St. Peter's Bay ...	do ...	Darkness .....	do ...	25
Feb.	26 Rustler .....	3 Victoria .....	26 Victoria to —	Foundering.	Gale .....	Total ...	Unknown. cargo 2,500
May	26 R. G. Moran ...	10 St. John .....	119 New York to St. John, N.B.	Stranding ...	Fog .....	do ...	1,500
June	24 Rapid .....	11 St. John, N.B. Brigantine ..	325 Philadelphia to St. John.	do ...	do .....	Partial..	1,500
July	25 Romo .....	14 Halifax .....	499 New York to Yarmouth.	do ...	do .....	Total ...	11,000 cargo 5,800
May	— Rosemary .....	Newfoundland Schooner. ...	94 Newfoundland to North Sydney.	Collision with ice.	.....	Partial..	450

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

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Aug. 25	Reporter.....	32	Moncton, N.B.	Schooner ...	149	Hillsboro', N.B., to Boston, Mass.	5 miles N. of Le-preaux Light.	Leaking .....	Gale .....	....	Partial..	\$ 1,000 cargo 100
Nov. 25	Rustic.....	20	Charlottetown	do ...	66	Baddeck to Little Glace Bay.	Table Point, C.B.	Stranding ...	Tide .....	....	do ...	250
Dec. 1	Riberia.....	14	St. John.....	Brigantine...	289	St. John to New York.	Sandy Neck, Mass.	do ...	Thick weather .....	....	Total ...	3,600 cargo 712
May 31	Roma .....	4	Hamburg .....	Schooner ...	1468	Montreal to Antwerp	Peter Reef, C.B.	do ...	Fog .....	....	.....	No damage.
Jan. 3	Spartan.....	1½	Port Medway	Schooner ...	98	New York to Port Medway.	Seacomet Point...	Stranded .....	Squall .....	....	Partial.	600
do	Sappho.....	18	Halifax.....	Brigantine...	156	Halifax to Demerara	3½° 40' N. lat.; 56° 40' N. long.	Hull strained and leaking	Wear and tear .....	....	Total ...	4,000
Mar. 25	Sokoto .....	12	Yarmouth .....	Barque .....	958	Philadelphia to Palermo.	Off the Capes of the Delaware.	Foundered..	Unknown.....	....	do ...	15,000
April 13	S. G. Morton...	4	Halifax.....	Schooner ...	44	Shut-in-Harbor to Halifax.	Key Island.....	Stranding ...	Drifted ashore .....	....	do ...	2,000
May 19	Secret .....	23	St. Johns, Nfld	do ...	293	Digby to St. John...	Cape Mispee, St. John Co., N.B.	Stranding ...	Fog .....	....	Partial..	4,500
June 22	Scotia.....	21	Halifax.....	do ...	44	Summerside to Halifax.	1½ miles off Cape George.	Fore mast broken.	Squall .....	....	do ...	100
April —	Souvenir.....	3	do .....	do ...	82	St. Johns, Nfld, to Cow Bay.	20 miles S. E. of Sable Island.	Seen on her beam ends.	.....	....	Total ...	4,000

Month	Ship Name	Tonnage	Origin	Destination	Incident	Cause	Result	Value
May	St. Pierre	3	Yarmouth	St. Peter's Bay	Collision	Ice	Partial	500
Feb. 1	Salisbury	9	St. John	Glasgow to St. John, N.B.	Leak and damaged	Gales	do	1,800
Sept. 26	Suez	17	Stockholm	Brehamlaven to Matane, Que.	Stranding	Currents	Total	8,000
Oct. 22	Sunbeam	2	St. Johns, Nfld	Port Philip to St. Pierre	Burned	Unknown	do	4,000
do 26 to Nov. 2	S. J. Musson	9	Halifax	Jamaica to Halifax	Damaged	Stress of weather	Partial	1,000
Oct. 22	Scotia	14	Glasgow	New York to Dunkirk	Engine room floor washed away	Gale	do	3,500
Dec. 4	Scotia	14	do	New York to Dunkirk	Machinery damaged	Old age	do	Unknown
April 28	Tiber	41	Halifax	Arichat to Cow Bay	Stranded	Ice	Total	1,500
do 4	Topaz	4	do	Port La Tour to Halifax	Hole in bottom	Anchor broke	Partial	1,000
May 6	Tiber	41	do	Halifax to Cow Bay	Driven on shore	Heavy Sea	Total	1,200
July 19	Thetis	1	Gloucester	Tignish, P.E.I., to Gloucester	Stranding	Stood in for main land	1 Partial	100
Aug. 5	Thetis	1	do	Malpequet to Gloucester	do	Shoal water	1 do	100
June 12	Unexpected	4	Windsor	Walton to Demerara	do	Fog	1 do	2,000
Jan. 4	Village Belle	9	Shelburne	Pubnico to Halifax	Stranded	Hawser parted	Total	900
Mar. 6	Viola	19	Liverpool	London to Esquimalt	do	Gale	Partial	Unknown
do 27	Vendome	5	Yarmouth	New York to Amsterdam	Burning	Unknown	Total	40,000

STATEMENT OF WRECKS and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from ——— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Nov. 13	Vikar .....	12	Hangesund .....	Barque .....	843	Honolulu to Royal Roads.	Straits of Juan de Fuca, B.C.	Stranded ...	Thick weather	.....	Partial.	\$ 6,000
April 21	Willie A. ....	6	Yarmouth .....	Schooner ...	70	Bridge-water to St. Pierre.	Cape Canso, St. Andrews Channel.	Stranding ...	Ice .....	.....	do ...	2,150
Jan. —	Wolfe .....	13	Halifax. ....	Barque .....	948	Barbadoes to Havana.	Mouth River De La Platte.	Damaged....	Gales .....	.....	do ...	3,500
Aug. 25	Winnie .....	17	Charlottet'wn	Schooner ...	37	Cow Bay.....	Flying Pan, Canso	Foundering	Leak.....	.....	Total ...	500 cargo 100
Oct. 15	William Albert.	7	Magdalen Islands.	do .....	41	Quebec to Magdalen Islands.	Magdalen Islands.	Stranding ...	Gale .....	.....	Partial.	.....
May 13	Wellington....	22	Windsor.....	Barque. ....	1005	Pensacola to Liverpool.	Lat. 49° 15', Lon. 29° 10'.	Foundering.	Became water-logged	.....	Total ...	17,500 cargo 0,000
Nov. 9	West Cumberland.	9	Maryport, Eng	Schooner....	1387	Pictou to Montreal...	Grondine .....	Took ground	Sleeping pilot.	.....	Partial.	Unknown.
Aug. —	Yosemite .....	.....	Victoria ..	Steamer .....	1054	Victoria to Vancouver.	Darcy Island. ....	Broken rudder.	Fog .....	.....	do ...	do

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 1886.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
.....	Atlanta .....	19	Quebec .....	Barque .....	593	Buenos Ayres to Barbadose.	Near Rio Janeiro.	Stranding...	Leaking, and beached.	.....	Total...	\$ 8,000
Mar. 26	A. I. J. Mallock	30	St. Andrew's.	Schooner....	21	Unknown.....	White Horse Island	do .....	Unknown.....	.....	do ..	Unknown.
Nov. 9	Adria .....	23	Digby .....	do .....	118	Weymouth to Boston	Fox Island, Me .....	do .....	Heavy sea....	.....	Partial..	600
1883.												
Nov. 23	Abyssinia .....	1½	St. John, N.B.	Bk. ....	1126	New York to Bombay.	Near Block Island, L.I., N.Y.	Struck .....	Sunken wreck .....	.....	do ..	8,000
Dec. 23	Albion .....	10	Barrington .....	Brigantine..	171	Demerara to Aricabo	Fredricksuid, W.I.	Stranding .....	Darkness .....	.....	Unkn'n.	Unknown.
do	Adelene .....	1	St. John, N.B.	Schooner....	192	St. John to New York.	Alden's Rock, near Furland, Me.	do .....	Too far from buoy.	.....	Partial.	1,200
Nov. 28	Beaconsfield...	9	Pictou, N.S.	Barque .....	672	Liverpool, Eng., to Norfolk, Va.	English Channel...	Collision .....	Unknown steamer.	.....	do ..	7,000
Dec. 1	Blanche .....	4	Windsor, N.S.	Schooner....	220	Windsor, N.S., to Richmond, N.S.	Between New York and Haitras.	Pool stove .....	Gale .....	.....	do ..	1,200
do	Buais .....	12	St. John, N.B.	do .....	248	St. John to New York.	Plumper Head .....	Three holes knocked in her side.	Squall .....	.....	do ..	2,700
April 8	Blythe .....	19	Digby .....	do .....	81	Belleveau's Cove to Boston.	Little Pond Bar, near Boston.	Stranding .....	Compass .....	.....	do ..	250
June	City of St. John	16	Gaspe, Que....	Steamer .....	446	Yarmouth to Halifax	Near Lockeport, N.S.	Cracked shaft.	Unknown.....	.....	do ..	500
Nov. 15	Canada .....	50	Christiana.....	Bk. ....	524	Mediterranean to St. Etienne.	Metis. ....	Dragged anchor.	Gale .....	.....	do ..	Unknown.



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

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
.....	Christina Moore.	6	Windsor, N.S.	Schooner	216	Windsor, N.S., to New York.	Lloyd's Neck, U.S.	Stranded	Squall	.....	Partial.	\$ 1,200
Nov. 13	Dauntless	16	Quebec	Tug Steamer	35	Quebec to Crane Island.	Off Crane Island, Riv. St. Lawrence	Collision	Engine broken down.	.....	do	160
1885. June 5	Earl Dufferin	11	St. John, N.B.	Schooner	110	Sydney to Newfoundland.	Bras d'Or Lake, C.B.	Stranding	Wheelman	.....	do	450
Mar. 8	Eliza A. Kenney.	20	St. John	Ship	1060	New York to Rouen.	Lat. 45°, Lon. 41°	Abandoned.	Became unmanageable.	.....	Total	20,000
Dec. 4	Emma Proctor	5	Port Hawkesbury.	Schooner	40	Port Malcolm, N.S., to Halifax.	Off Owl's Head	Lost sails & spars.	Gales	.....	Partial	20
Sept. 15	Eley Elvy	4	Halifax	Schooner	18	Sand Harbor to Lunenburg.	Ginlet Reef	Stranding	Storm	.....	Total	600
Oct. 9	Emerald	.....	Charlottetown	do	7	Charlottetown to New London, P.E.I.	Near West Point Reef, P.E.I.	do	Gale	.....	do	Unknown.
Nov. 28	Forest Queen	33	Kingston	do	137	Cobourg to Belleville	Near Indian Point, Ont.	do	Snow storm	.....	do	1,000
Oct. 19	Georgie Harold.	2	Barrington, N.S.	do	93	Halifax, N.S., to Grand River, P.E.I.	Annandale, P.E.I.	Struck bar and sank	Pilots error in judgment.	.....	Partial	600
.....	Henry's	19	Quebec	Brig	307	Quebec to Southampton.	Atlantic	Abandoned.	Heavy sea	.....	Total	5,000
Dec. 15	Eattie H	15	Windsor, N.S.	Sarkentine	403	Halifax to Windsor.	Between New York and Halifax.	Blown off her course	Heavy weather.	.....	.....	No damage

Date	Name of Ship	Origin	Destination	Location	Cause of Loss	Persons on Board	Value of Cargo	Notes
Nov. 13	Isabella Blyth	40 Norway	693 Quebec to Buenos Ayres.	Orane Island, Riv. St. Lawrence.	Stranding	.....	Partial.. Unknown.	
.....	Ironsides.....	18 Quebec.	510 Fernandina to River Platte.	Near Montevideo, South America.	Wrecked	.....	Total ... 6,000	
Aug 23	Isabel	3 Charlottetown	749 Monte Video to European Ports.	Peru.	Burning	.....	do ... 5,500	
Oct. 30	Jumbo	5 St. John, N.B.	346 Sligo to New York	Lat. 56° N.; long. 18° 41' W.	Damaged	.....	Partial.. 1,800	
July 25	John Black	14 do	545 Brunswick, Ga., to Buenos Ayres.	Brunswick Bar	Stranding	.....	do ... Unknown.	
Nov. 27	John Gibson	11 Sidney, C.B.	314 Pensacola to Rosario	Florida Reef	do	.....	Total ... 10,000	
May	Kate C. Maguire.	19 Quebec	1492 New York to Quebec	Near Sheet Harbor, N.S.	do	.....	Partial.. 10,000	
Dec. 11	Kryolith	7 Parrsboro'	279 Philadelphia to the Island.	Lat. 49° 30' N.; long. 16° 32' W.	Foundered	.....	do ... Unknown.	
do	Louise M. Fuller.	9 Yarmouth	1716 New York to Liverpool.	Atlantic	Foundering	.....	Total ... 60,000	
Oct. 2	Lake Huron	5 Liverpool	264 Quebec to Liverpool	Port St. Valier	Stranding	.....	Partial.. Unknown.	
Dec. 26	Lottie B	5 St. John, N.B.	88 St. John to Providence, R.I.	Naah Island	do	.....	do ... 300	
Dec. 1	Lynton	11 St. Andrews	765 At Oolon	.....	Capsized	.....	Total ... Unknown.	
Dec. 25	Light Foot	32 Barrington	56 Halifax to Barrington	Clark's Harbor	Stranding	.....	do .. cargo 50	
Feb. —	Lairg	9 Halifax	100 Boston to Halifax	Atlantic	Lost	.....	do ... 3,000	
Nov. 23	Maggie Willet	8 St. John	148 New York to St Pierre.	Liverpool, N.S.	Stranding	.....	Partial.. 3,500	
Dec. 28	Minnie	7 St. Johns, Nfld	40 Georgetown, P.E.I., to Cape Broyle.	U.B.	do	.....	do ... cargo 3,000	
Nov. 8	M. & L. White	19 Yarmouth	36 Parrsboro', N.S., to Hantsport, N.S.	Minas Basin	Foundered	.....	Total ... Unknown.	
							Total loss.	

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

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
1885.												
Dec. 20	Mary L. Dunn	5	St. John, N.B.	Schooner	179	Suri am to Boston, Mass.	St. John Island, near St. Thomas.	Stranding	Mistaying	.....	Total	\$ 6,500
do	Mizpah	13	Yarmouth	Barque	388	Dunkirk to Philadelphia	Lat. 48° N., long 7° W.	Strained and leaking.	Gales	.....	Partial	3,000
Jan. 1	Mary Theall	11	Windsor, N.S.	Schooner	97	Boston to Parrsboro'	Jones Port, Maine, U.S.	Stranding	Strained	.....	Total	800
Nov. 1	Nyanza	8	Liverpool, N.S.	Brig	235	Cardiff, Wales, to Vera Cruz	Cocieres Reef, Cuba.	Struck reef.	Currents	.....	do	8,500
Dec. 2	Navarch	9	Yarmouth	Bk.	994	New York to Liverpool, G.B.	Roma Shoal, N. Y. Bay.	Stranding	Unknown	.....	Partial	Unknown.
Aug. 7	Navassa	8	Parrsboro', N.S.	Schooner	147	Hayes, N.B., to New York.	Orabedow Créeck, Island Sound, U.S.	do	Thick storm	.....	do	600
Nov. 18	Orquell	7	Pictou, N.S.	Barque	728	Liverpool to Sydney, C.B.	49° 59' N., 8° 20' W.	Loss of metal sheathing and fire in cabin.	Stress of weather.	.....	do	2,260
Dec. 22	Pearl	5	Windsor, N.S.	Schooner	163	Maracalbo, W.I., to New York.	Lat 16° 20', long 79°.	Bob-stays carried away.	Gale	.....	do	464
Aug. 15	Prize	3	Lunenburg	do	91	Lunenburg to Fishing Grounds.	Entrance of Lunenburg Harbor.	Stranding	Hove ashore by swell.	.....	Total	4,000 cargo 3,000
April 8	Quebec	19	Windsor, N.S.	Bk.	1454	Antwerp to New York.	Near Sandy Hook, N. Y. Bay.	Collision	Unknown	.....	Partial	2,000

Dec.	3 Republic .....	16 Yarmouth .....	Ship .....	843 Philadelphia to Dunkirk .....	Off Dunkirk .....	Stranded .....	Gale .....	Total ...	8,000
do	16 Rough Diamond.	12 St. John, N.B.	Schooner ...	71 Little Salmon River to St. John, N.B.	Last seen a little below Quaco.	Lost .....	do .....	do ...	600
Jan.	18 Sea Bird .....	St. John .....	Schooner ...	8 St. John to Lepre aux.	Near Musquash, N.B.	Unknown ...	Snow storm ...	Total ...	200 cargo 150
July	5 Sunshine .....	22 Skien, Norway	Bk .....	462 Plymouth to Quebec	St. Lawrence River	Leak .....	.....	No damage.	700
Dec.	23 Ferrano .....	10 St. John, N.B.	Bk .....	594 Bilbao to New York	Atlantic .....	Main hatch, stove, lost sails and boats.	Gales .....	Partial.	Unknown.
do	5 Sea Slipper ...	28 Halifax .....	Schooner ...	55 Halifax to Shelburne	Lunenburg Harbor	Stranded .....	Snow storm ...	Total ...	Unknown.
Nov.	25 Toronto .....	10 Windsor, N.S.	Brigantine ...	433 Sydney, C.B., to New York.	Watch Hill, R.I.	Stranding ...	Heavy wind ...	do ...	5,000
May	20 Thomas N. Hart.	6 Yarmouth .....	Ship .....	1460 New York to Shanghai.	Unknown .....	Has not been heard from since May 20.	Unknown .....	do ...	50,000
Dec.	16 Viola .....	4 St. Andrews ...	Schooner ...	55 Unknown .....	Bay of Fundy .....	Capsized ...	Squall .....	do ...	Unknown.
Nov.	22 Valiant .....	6 Lunenburg .....	do .....	88 Summerside to Boston.	Blonde Rock .....	Stranding ...	Mistaken as to buoys.	Partial.	250 cargo 500
Dec.	2 William Wallace.	12 Parrsboro' .....	do .....	61 Port George, N.S., to Sackville, N.B.	Polly's Cove .....	Stranded .....	D r a g g e d ashore.	do ...	50
do	26 Welcome .....	14 Halifax .....	do .....	32 French Village to Halifax.	French Village, Halifax Co., N.S.	Stranding ...	Cables parted ..	Total ...	500
Sept.	28 Zanoni .....	14 St. Johns, Nfld	Brigantine ...	244 St. Johns to North Sydney.	Gulf of St. Lawrence.	Damaged .....	Gale .....	Partial.	1,400

STATEMENT of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada, for the Year 1887.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
July 23	Algerian .....	10	Montreal.....	Paddle .....	43	Toronto to Montreal.	St. Lambert Flats.	Struck .....	Crowded by a steamer.	....	Partial..	\$ 300
Oct. 3	Albion.....	11	St. Catharines	Barge .....	250	French River to Toronto.	Between Grindstone City and Pt. Austin.	Stranding .....	Struck rocky bottom.	....	Total....	Unknown.
do 24	Ark .....	12	do .....	Barge .....	520	Buffalo to Cleveland	Tust. Point, east of Port Colborne.	Stranding .....	Cast adrift by "Enterprise".	....	No dam- age.	.....
May 8	Bohemian.....	23	Montreal .....	Paddle.....	....	Montreal to Cornwall	Lachine Canal.....	Collision.....	Not given .....	....	Partial .	50
Oct. 28	Bessie Barwick	21	St. Catharines	Schooner....	273	Nipigon Bay to Kingston, Ont.	Lake Superior .....	Sprung a leak.	Heavy sea.....	....	Total....	6,000
May 18	Canada.....	20	Montreal .....	Paddle .....	116	Montreal to Quebec.	Several miles below Sorel.	Broken shaft	Wind and tide.	....	Partial..	500
Sept. 7	Corinthian ...	23	Kingston .....	Steamer .....	615	Toronto to Montreal.	Lachine .....	Ran into breakwater	No light on wharf.	....	do ...	300
Oct. 22	O. O. D .....	....	American.....	Schooner ...	....	.....	3 miles east of Port Burwell.	.....	Thick weather	....	Total ..	Unknown.
Nov. 9	Charles Hinkley.	25	do .....	Barge .....	....	Algoma to Buffalo ..	Lake Erie .....	Stranding ..	A rock.....	....	do ...	7,000
Oct. 24	City of Owen Sound.	12	Owen Sound...	Ship.....	743	Sault Ste. Marie to Collingwood.	Clapperton Island.	do .....	A rock.....	....	do ...	29,000
Aug. 4	Canada .....	15	Hamilton.....	Steamer .....	408	Sault Ste. Marie to Duluth, Ma.	Corbay Point, Lake Superior.	do .....	Shoal not marked on chart.	....	Trifling	.....
Oct. 4	California .....	4	Montreal.....	Propeller....	580	Chicago to Montreal	Lake Michigan....	Foundering..	Gale.....	9	Total....	27,000
June 7	Dunholme .....	4	West Hartlepool.	Schooner....	1142	N. Sydney to Montreal.	New Basin, Montreal.	Collis. with steam tug "Naomi."	.....	....	No loss.	.....
Sept. 10	D. Foster.....	2	Port Burwell...	Steamer.....	48	Port Dover to Port Burwell.	Port Burwell .....	Collision .....	Fire .....	....	Total....	Unknown.

do	Partial..	Compass out of order.	Stranding ...	Near Port Clark Light.	Kelly's Island to Lake Superior.	Schooner ....	American.....	14	Oct. 4 D. S. Austin...
2,000	do ...	.....	Collis. with 'Bohemian'	Brunster's Bridge...	38 Montreal to Ottawa.	Steam tug...	Ottawa. ....	.....	May 8 E. B. Eddy.....
1,500	do ...	Unknown.	Fire.....	Allan Wharf River St. Lawrence.	50 Montreal .....	Elevator.....	.....	14	Sept. 17 Elevator No. 1
7,000	Total...	.....	Stranding ...	Lake Erie .....	271 Algoma to Buffalo ...	Barge.....	American .....	20	Nov. 9 Edwin Har-
No dam-	No dam-	Unknown.....	Collision ...	.....	256 Montreal to Sorel.....	Steamer.....	Montreal.....	1	July 20 Hochelega ....
2,200 cargo 6,000	Total....	Fog .....	Stranding ...	Salmon Point Reef	126 Wellington to Os-	Schooner ...	Picton, Ont....	30	Nov. 26 Hannah Butler
3,000 cargo 500	Partial..	Rough weather.	Stranding ...	Near Port Blake, Ont.	84 Providence Bay to Goderich.	Schooner....	Amherstburg.	.....	Oct. 31 J. G. Kolfage. ....
280	do ...	Unknown .....	Broke Cross Head.	Between Longueuil and Hochelega.	230 Longueuil to Hochelega.	Paddle .....	Montreal.....	9	July 7 Longueuil .....
200	do ...	W. & T.....	Broken Crank	On leaving La-prairie Wharf.	306 Laprairie to Montreal.	do .....	do .....	18	15 Aug. 27 Laprairie.....
200	do ...	Mistaken order	Collision ...	Hochelega Cotton Factory Wharf.	230 Longueuil to Montreal.	Steamer.....	do .....	3	Oct. 3 Longueuil .....
Unknown.	Total...	Sunken reef...	Stranding ...	Lake Huron, in Little Side Bay.	247 Windsor to Chicago.	Sloop .....	St. Catharines	15	do 19 Lincoln .....
350	Partial.	Unknown .....	Burned.....	Opposite Custom House, Que.	7 Quebec. ....	Tug.....	Montreal.. ..	24	Aug. 13 L. N. G .....
Unknown.	Total....	Gale .....	Wrecked ....	Lake Ontario.....	250 Coteau Landing to Montreal.	Barge .....	do .....	12	..... M. Lalonde ...
200	Partial..	.....	Stranding ..	do .....	89 Kingston to Oswego.	Barque .....	British.....	2	Aug. 23 MinnieFrances
7,000	Total...	Leak.....	do ...	6 miles west of Dunkirk.	320 Cleveland to Toronto	do .....	St. Catharines	14	Oct. 13 Manzanilla....
625	Partial..	Dunholm .....	Collision.....	Wellington Basin.	196 Montreal to Ottawa.	Barge .....	Montreal.....	2	June 7 Naomi.....
400 cargo 200	do ...	.....	do ...	3 1/2 miles east of Adolphuston.	49 Deseronto to Kings-	do .....	Kingston .....	17	Aug. 24 Nile.....

## STATEMENT of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from.— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost	Total or Partial Loss.	Amount.
Oct. 24	Oriental.....	23	Kingston.....	Schooner.....	328	Charlotte to Toronto	2 miles north-east of Port Dalhousie	Foundering.	Heavy Sea ...	.....	Total ...	\$ 5,000 cargo 2,800
Aug. 16	Prope llor Ocean.	13	St. Catharines	Steamer .....	454	St. Catharines Loading.	Canal Basin .....	Coll'n with Steamship "Polino."	.....	.....	Partial..	200
May 6	Quebec.....	21	Montreal.....	Iron Steamer	1791	Quebec to Montreal.	Entering Sorel.....	Broke Cross Head.	W. & T.....	.....	do ...	600
June 16	St. Lawrence.	25	Quebec.....	Paddle.....	.....	Sorel to Saguenay ...	4½ miles below Sorel.	Grounded; mistook channel.	Pilot.....	.....	Unk'wa .....	.....
do	St. George.....	10	Montreal.....	Steam Tug.....	.....	St. Ours to Montreal	3 miles below St Ours, P. Q.	Burnt .....	Unknown .....	.....	Partial..	3,840
Sept. 4	Spartan .....	22	do .....	Paddle.....	678	Toronto to Montreal.	Between Kingston and Lake St. Clair	Burning....	do .....	.....	do ...	100
Oct. 24	Sylvester Nelson.	12	St. Catharines	Schooner.....	280	Port Colborne to Cleveland, Ohio.	Lake Erie. ....	Coll'n with Schr. "L. Seaton."	.....	.....	do ...	1,000
July 20	Trois-Rivières	18	Montreal.....	Steamer .....	1047	Three Rivers to Montreal.	A mile above Verchères, at Petit Cap.	Collision ...	Unknown .....	1	Partial..	300
do	Theodore Perry.	21	Saguenay .....	Schooner ..	280	Buflalo to Saguenay.	1.5 miles east of Rondeau Harbor	Stranding ..	Heavy Sea.....	5	Total....	5,000

## SUPPLEMENT to the Statement of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada—Continued.

Date of Casualty.]	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Sept. 15	Buckingham...	2	Montreal .....	Tug .....	24	Buckingham to High Falls.	2 miles above Little Rapids.	Burnt .....	Sparks from chimney.	.....	Total ...	\$ 2,500
Nov. 19	Olara White...	15	Kingston .....	Schooner .....	63	Oswego, U.S., to Kingston.	Indian Point, Quinté Bay.	Stranding ...	Gale .....	.....	Slight damage.	
do	Forest Queen.	33	do .....	do .....	137	Cobourg to Belleville	Indian Point ... ..	do .....	Snow storm ...	.....	Total ...	1,000
1892 Dec. 8	Herbert Dudley.	11	do .....	do .....	226	Kingston to Oswego	Quinté Bay .....	do .....	Snow and gale	.....	Partial.	75
Nov. 26	North Star ....	32	Montreal .....	.....	160	Fair Haven to Toronto.	Stoney Island, Lake Ontario.	Foundered..	Wind .....	.....	Total ...	3,500
Oct. 7	Yosemite .....	.....	Victoria .....	Steamer .....	1084	New Westminster to Victoria.	3 miles below New Westminster.	Broken shaft	Unknown .....	.....	Trifling.	



## APPENDIX No. 3.

REPORT OF THE HARBOUR COMMISSIONERS OF MONTREAL FOR THE  
CALENDAR YEAR ENDED 31<sup>ST</sup> DECEMBER, 1887.HARBOUR COMMISSIONERS OF MONTREAL,  
SECRETARY'S OFFICE, MONTREAL, 13th February, 1888.

SIR,—I have the honour, by direction of the Harbour Commissioners of Montreal, to forward herewith for the information of the Honorable the Minister of Marine, statement of the general receipts and disbursements of the Trust for the year ended 31st December, 1887.

In comparison with last year, the ordinary revenue shows an increase of \$16,210.74 or about 6 per cent.

The loss to harbour revenue from the coal vessels which discharged in the deep water basin of the Lachine Canal was about \$17,000.

The following Departmental Reports have already been forwarded you, viz:—The Chief Engineer's on the harbour works; the Harbour Master's with comparative statements of trade of the port; the Chief Engineer's on the maintenance of the buoys and beacons on the River; and the report on matters relating to the Pilotage District under the jurisdiction of the Commissioners.

From the Harbour Master's Report it will be seen that there has been an increase in the business of the harbor for the past year, the increase in sea-going traffic being 64 vessels and 61,074 tons, while the inland vessels show a decrease of 154 vessels and of 18,367 tons.

The usual report of the deepening of the ship channel between Montreal and Quebec, to 27½ feet at low water, for the last fiscal year, has been furnished the Department of Public Works.

At the last Session of Parliament a further grant of \$325,000 was made to enable the Commissioners to deepen the channel at Cap-à-la Roche to 27½ feet at low water, which work will be entered upon at the opening of the coming season of navigation.

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

ALEXANDER ROBERTSON,  
*Secretary.*

Wm. SMITH, Esq.,  
Deputy Minister of Marine,  
Ottawa.

## HARBOUR COMMISSIONERS OF MONTREAL.

STATEMENT of General Receipts and Disbursements for the Year ending 31st  
December, 1887.

RECEIPTS.		\$	cts.	\$	cts.
FROM THE DOMINION GOVERNMENT.					
Received on account of new channel works.....		145,000	00		
Buoys and beacons, allowance, 1886.....		7,000	00		
				152,000	00
REAL ESTATE.					
Final payment on old building.....		3,600	00		
One year's interest on above.....		216	00		
				3,816	00
HARBOUR DEBENTURES.					
Series F sold (par value).....				172,000	00
HARBOUR PLANT.					
Canadian Pacific Railway, for Dredge No. 5 cost.....		18,000	00		
J. Reynar, for old sheaves sold.....			36 90		
				18,036	90
HARBOUR RAILWAY.					
Steel rails sold.....					56 25
BUOYS AND BEACONS.					
Refund of Customs duty.....					1 99
HARBOUR DREDGING.					
Sundry amounts received for credit.....					6,454 13
NEW CHANNEL OPERATIONS.					
Sundry amounts received for credit.....					2,957 46
LIGHTING WHARVES.					
Electric lighting, for use of one lamp on 23 nights, at 75 cts.....		16	50		
Coal oil, sundry amounts received.....			23 50		
				40	00
HARBOUR EXPENSES.					
Sundry amounts received.....					22 20
HARBOUR REPAIRS.					
Sundry amounts received.....					742 43
Carried forward.....					356,127 40

STATEMENT of General Receipts and Disbursements, &c.—*Continued.*

RECEIPTS— <i>Continued.</i>		\$	cts.	\$	cts.
Brought forward.....				356,127	40
FROM COLLECTOR OF CUSTOMS, MONTREAL.					
Wharfage on goods inwards.....		128,733	89		
do do outwards.....		72,907	45		
Tonnage dues on sailing vessels.....		4,718	20		
do do steamers.....		48,147	51		
				254,507	05
FROM LOCAL TRAFFIC.					
Wharfage on goods inwards.....		8,317	56		
do do outwards.....		894	45		
Harbor dues on Barges.....		9,134	21		
do do Steamers.....		2,056	96		
Commutation on do.....		13,115	00		
Lumber piled.....		2,224	00		
Phosphate piled.....		98	88		
Coal do.....		1,550	00		
Firewood do.....		491	75		
Rent of Railway tracks.....		2,950	00		
Scales.....		1,100	00		
Small offices.....		847	90		
Penalties.....		69	50		
				42,850	21
Rent of offices in building.....				1,250	00
Rent of yard, corner Barclay and Water streets.....				437	55
INTEREST.					
From Canadian Pacific Railway, as value of Dredge overdue.....		432	00		
Accrued on Debentures sold.....		514	66		
Received on Bank Deposits, less paid on Overdrafts, &c.....		456	08		
				1,402	74
<b>Total Receipts.....</b>				<b>656,574</b>	<b>95</b>
DISBURSEMENTS.					
New dredging plant.....				5,926	98
New channel operations.....				192,214	69
Buoys and beacons.....				14,332	61
Dominion Government, interest.....				99,187	22
DEBENTURES PAID.					
Series H.....		7,000	00		
do J.....		100,000	00		
do K.....		100,000	00		
				207,000	00
REAL ESTATE.					
Paid for yard, corner of Barclay and Water streets.....				12,650	00
CONSTRUCTION ACCOUNT.					
Sections 16 and 41-44.....		6,149	27		
Windmill Point wharf.....		5,228	74		
<b>Carried forward.....</b>				<b>11,378</b>	<b>01</b>
				<b>531,311</b>	<b>50</b>

## STATEMENT of General Receipts and Disbursements, &amp;c.—Continued.

DISBURSEMENTS—Continued.		\$ cts.	\$ cts.
Brought forward .....		11,378 01	531,311 50
Electric lighting .....		2,013 93	
Harbor dredging, new work.....		23,220 74	
Interest on Debentures .....		115,730 00	
Discount on 4 per cent. Debentures sold .....		6,807 50	
		<hr/>	159,150 18
Harbour repairs.....			70,634 00
do expenses and management.....			26,598 52
do dredging, Allan's basin and Canal entrance .....			1,148 64
do survey.....			78 93
Electric lighting, maintenance.....			2,978 79
Coal oil, lighting wharves .....			491 96
Travelling and incidental expenses.....			237 00
Printing, advertising and stationery .....			2,624 56
Legal and notarial expenses.....			173 63
Refund and rebate of wharfages .....			2,469 25
Mrs. John Young, annuity.....			600 00
Suspense account .....			1,826 00
H. D. Whitney, defalcation account.....			31,466 97
			<hr/>
Total disbursements.....			831,789 93

## PORT OF MONTREAL.

COMPARATIVE Statement showing the Number and Tonnage of Inland Vessels that arrived in Port the past Ten Years, with the greatest number in Port at one time.

Years.	Number of Vessels.	Tonnage.	Greatest Number in Port at one time.	
1878 .....	5,502	764,243	261	Oct. 15
1879 .....	5,698	817,243	227	Nov. 6
1880 .....	6,489	1,044,380	253	July 7
1881 .....	6,030	949,380	191	Nov. 4
1882 .....	5,947	848,780	190	Sept. 29
1883 .....	5,477	764,721	174	do 5
1884 .....	4,808	726,015	161	July 9
1885 .....	5,003	724,975	142	Oct. 1
1886 .....	5,521	809,819	178	Aug. 25
1887 .....	5,367	791,452	189	May 31

## APPENDIX No. 4.

REPORT OF THE QUEBEC HARBOUR COMMISSIONERS FOR THE CALENDAR YEAR ENDED 31<sup>ST</sup> DECEMBER, 1887.

QUEBEC, 10th January, 1888.

SIR,—In compliance with the requirements of section 14 of the 38th Victoria, chapter 55, I have the honor to submit the following report on the doings of the Quebec Harbour Commission for the year 1887.

## CHIEF ENGINEER'S REPORT.

The enclosed report from the Chief Engineer, Mr. Henry F. Perley, contains all the information having reference to the progress of the Harbour Works under his charge during last year.

## GRAVING DOCK.

Since the Dock has been available for the repairs of vessels, in September 1886, it has been used by four Steamers:—the 1st SS. "Titania," 2,072 tons, gross; the 2nd SS. "Lake Huron," 4,046 tons, gross; the 3rd SS. "Panama," 2,016 tons, gross; and the 4th French Aviso "Bouvet," 800 tons, gross.

The first vessel was docked the 1st September, 1886, and undocked the 5th May following, the second went in the 9th same month and left the 31st August, the third came in the 17th September and remained till the 2nd October, and the last one took possession the 4th and was undocked the 8th same month.

A portion of the Contractor's plant, composed of the Dredges Sir Hector and St. Joseph, two tugs and four dump scows, have been placed in the Dock, the 29th November, for the purpose of being repaired during the winter.

It is with great satisfaction that the Commissioners can state that the Graving Dock, after one year's test, during which it was exposed to one of the most severe winters of this country, has given proof of the greatest solidity and of its watertight powers.

The Dock has been visited during the summer, by many connoisseurs from England, France and the United States, and they have all pronounced it equal, if not superior, to any of the most renowned Docks of the world.

The Dock is now managed by Captain I. E. Bernier, who has been appointed Dock Master on the 27th March. He has shown himself to be quite competent for such a position and has given entire satisfaction to the Commissioners.

## WET DOCK HARBOUR WORKS.

The work of dredging in the Wet Dock has progressed most satisfactorily during the season. 483,170 cubic yards of materials having been dredged at a uniform depth of 15 feet.

When the south wall, under contract, will be completed, its retaining power will be of such capacity as to enable, with few alterations, the dredging of the whole area of this Basin to be carried to such a depth as to give 30 feet or more, if necessary, at low water:

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**SOUTH WALL HARBOUR WORKS.**

The south wall works have not progressed as rapidly as expected, but the Commissioners have decided to take the means to have them completed within the term of the contract, that is to say, by the fall of the present year.

A most important change has been effected in connection with this contract, by which cut stone will be used instead of brick for the portion of the intercepting sewer which was to be built in brick, the contractors having undertaken to do the work for the price specified for the brick work, the substitution costing consequently nothing.

**BUILDING FOR STORING COAL OIL ON LOUISE EMBANKMENT.**

In the last report, referring to an application made by Mr. A. E. Vallerand, coal oil merchant of this city, to be allowed to erect, on the Louise Embankment, a building for the purpose of storing coal oil, it is stated that only few details remain to be settled before closing with this gentleman. An agreement has since been concluded and Mr. Vallerand has erected a vast and commodious fire-proof building, capable of storing three thousand barrels, which can be conveyed by railway to the store itself.

**EMIGRANT BUILDING.**

A spacious structure, built in the most modern style and supplied with the best accommodations, has been erected during the year, by the Dominion Government on the Louise Embankment for the purpose of receiving the emigrants booked for the west through the Canadian Pacific Railway.

**EXTENSION OF THE RAILWAY TRACKS ON LOUISE EMBANKMENT.**

On the recommendation of their Chief Engineer the Commissioners have decided to lay another track on the Louise Embankment between the edge of the wall and the present southern track, in order to meet the requirements of the traffic, and also to lay a further line of rails "as a main line" to the southward of the existing railway, for the use of passengers, baggage, light freight, etc., and have for that purpose purchased 300 tons steel rails and 50 tons fish-plates.

The laying of those new tracks is still unfinished, but will be completed early next spring.

**DUMPING OF DREDGED MATERIALS INTO THE RIVER ST. LAWRENCE.**

The attention of the Quebec Board of Trade having been called to the action of the Commissioners who were allowing a portion of the dredged material from the wet dock to be dumped into the River St. Lawrence, the council of this board has addressed to commander Maxwell, on Her Majesty's Survey, a letter praying him to give his opinion on the effect upon navigation if such practice was continued without interruption for the following two or three seasons.

A copy of commander Maxwell's reply to same has been addressed to the Commissioners and is annexed to this report as also a copy of the harbour master's report on the subject with the letter conveying same.

This question has also been the subject of a communication addressed the 1st August to your department in reply to its letter of the 20th of the previous month.

**ACCOMMODATION FOR LANDING COAL ON LOUISE EMBANKMENT.**

It having been represented that it was of absolute necessity to provide for the landing of coals on the Louise Embankment, accommodation to that effect has been supplied, which has been found most beneficial, but the coals are not allowed to remain on the embankment or to interfere with the traffic of the railway.

**DREDGING OF THE FLY BANK CHANNEL.**

The dredging of the Fly Bank Channel, which was commenced in 1879, continued in 1880, and brought to a close during the month of September the following

year, has been resumed this year under the superintendence of Mr. Claude Giguère, who has had command of the lifting barge all the time it was in use in the harbour. The work was done by Messrs. Larkin, Conolly & Co., contractors for the harbour works, and only commenced in October, the Commissioners having taken advantage for ordering same, that they, the contractors, were sending one of their dredges for the purpose of digging clay in that channel, thus securing their services for such a work at a very low figure.

Cubic Yards.

The quantity of material dredged this year amounts to.....40,203  
Which added to the.....13,866

Previously dredged, gives a total of.....54,069

It is the intention of the commissioners to continue the dredging of this channel, if possible, till its entire completion.

#### CEMENT.

The Council of the Quebec Board of Trade has submitted to the Commissioners a letter from Messrs. T. A. Gauvreau & Co., having reference to the advisability of using in the harbour works the cement manufactured by them. This question has been referred to the Chief Engineer, Mr. Perley, whose opinion is clearly evinced in his report which forms part of the accompanying annexures on the subject.

#### SHIP LABOUR, PORT OF QUEBEC.

The commissioners, being justly alarmed by the long existing restrictions put by the ship labourers in the way of loading and unloading vessels in this Port, have resolved to take the matter into consideration with the view, if possible, of prevailing upon them to remove the restrictions complained of, and they have, in consequence, through their Secretary, addressed to the principal shippers of Montreal a circular, worded as follows:—

“I am directed by the Harbour Commissioners to ask you if you would kindly advise them as to the difficulties that exist in your sending your steamers down to load in Quebec. Will you please write them what drawbacks there are to your steamers taking either timber or deals in Quebec as compared to Montreal? It is the Commissioners desire to have all restrictions removed, and, if possible, to induce the ship labourers to amend their by-laws so that it will give the facilities that you may need.”

With the exception of one, in which the firm state that they are not conversant with the difficulties, all the answers received convey the most severe condemnation of the labourers' action in persisting to enforce rules so contrary to the welfare of our Port and unavoidably tending to its ruin.

It is to be hoped that they will realize the situation and take the means of having an understanding with the shipping interests in order to place this Port, in reference to the cost of labour, on the same footing with the Port of Montreal.

The Commissioners have also taken means for defining their legal position in the matter, and they have for that purpose, directed their solicitor to report on their power to remove the difficulties that exist from the action of the ship labourers. A copy of his report is annexed to the present one.

#### REPAIRS TO PROPERTY.

All the property under the control of the Commissioners has been kept in a thorough state of order. The two wharves—the Point à-Carcy and East India Wharves—previously reported as much in need of repairs, have not yet been repaired on account of the depressed condition of the revenue of the Commission.

If the revenue of the coming season can warrant such an expenditure the Commissioners will not fail to undertake the repairs of one of those two wharves.



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In order to facilitate the storing of goods many important improvements have been made in the interior of the two large stores on Point-à-Carey Wharf.

The hoisting apparatus of one of them has been so modified as to save much labour in handling heavy goods such as sugar and molasses.

The flat portion of the roof of store No. 2, on that wharf, which was covered with gravel, has been covered with galvanized sheet iron.

Two hundred and thirty-nine tons of iron dross have been overspread on the top and fifty-five tons stone ballast dumped into the wharf during the year.

A large quantity of ballast from the cuts made in Dalhousie and Leadenhall streets, in connection with the Harbour Works, has also been dumped into the wharf during the working season; but, as this ballast has cost nothing, no account of the quantity so dumped has been kept.

#### ICE CUTTING.

Permission was asked to allow ice to be cut outside of the limits allotted the previous year, but all application to that effect has been refused.

The ice cut has proved to be of the purest quality.

Thirty-three thousand eight hundred and fifteen blocks of ice, all for local use, have been cut during the winter of 1886-87, an excess of 2,039 blocks in the harvest of the preceding year.

The usual statements, conveying the information yearly furnished to your Department regarding the Harbour, as also a complete statement of the Commissioners' accounts for the year, are all annexed to this report.

I have the honor to be, sir,

Your obedient servant,

A. H. VERRET,  
*Secretary-Treasurer.*

## REVENUE.

COMPARATIVE STATEMENT of the Revenue of the Commission for the two years 1886 and 1887.

	1886.		1887.		Difference in 1887.		
	\$	cts.	\$	cts.	\$	cts.	
Tonnage dues.....	15,796	89	15,081	72	715	17	Decrease.
Import do.....	3,189	95	2,958	13	231	82	do
Export do.....	5,257	70	4,680	92	576	78	do
Harbour do.....	2,668	05	2,465	40	202	65	do
Property receipts.....	20,388	39	24,833	38	4,444	99	Increase.
Interest.....	889	69	677	28	212	41	Decrease.
Beach and deep water lots.....	1,977	37	1,977	37			
Sundries.....	249	30	358	36	109	06	Increase.
<b>Totals. ....</b>	<b>50,417</b>	<b>34</b>	<b>53,032</b>	<b>56</b>	<b>2,615</b>	<b>22</b>	<b>Increase.</b>

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

A. H. VERRET,  
*Secretary-Treasurer.*

Ca.

REVENUE AND EXPENDITURE.

Dr.

1887.	1887.	1887.	1887.	1887.	1887.
Dec. 31 To	Dec. 31 By	\$	\$	\$	\$
		cts.	cts.	cts.	cts.
Tonnage dues.....	Officers' salaries.....	15,081 72		6,816 64	
Import do .....	Reporters' salaries.....	2,958 13		775 00	
Export do .....	Auditors for 1888.....	4,680 92		200 00	
Harbour do .....	Commissioners' attendance.....	2,465 40		2,645 00	
Property receipts.....	Property expenses .....	24,833 38		5,419 73	
Beach and deep water lots.....	Legal do .....	1,977 37		413 47	
Interest.....	Harbour Master's service.....	677 28		248 60	
Sundries.....	Painting and papering new office.....	358 36		532 70	
Profit and loss.....	Hardware for general use.....	2,302 57		198 70	
	Commissioners' Report.....			416 60	
	Pneumatic bells.....			57 50	
	Fixing closet.....			63 99	
	Window blinds.....			60 00	
	Advertising, stationery, office cleaning, &c.....			1,337 20	
	1 year's interest and sinking fund on \$723,000 harbour debentures.....			36,150 00	
					55,335 13

JAS. WOODS,  
Bookkeeper.

A. H. VERRET,  
Secretary-Treasurer.

	\$	cts.	\$	cts.
Dec. 31 To Office furniture .....	3,425	67		
Amount at debit of grantees for beach and deep water lots .....	40,685	25	54,706	31
Amount at debit sundries for rents, harbour dues, &c .....	11,976	29	229,714	33
Pointe à Carcy wharf .....	274,403	16	14,460	00
Breakwater do .....	220,344	63	3,120,000	00
East India do .....	48,368	49	826,000	00
Grand Trunk do .....	15,433	32	10,130	86
Wellington do .....	84,806	26		
Atkinson's do .....	50,945	20		
Reynar's do .....	9,918	29		
Harbour improvements .....	2,374,765	82		
Graving dock .....	833,716	94		
Receiver-General, Sinking fund .....	236,129	33		
Cash .....	437	32		
La Banque Nationale .....	39,149	74		
Jackscrew's account .....	394	87		
Tool's account .....	1,269	05		
Open exchange .....	2,519	15		
Lifting barge .....	5,644	45		
Atkinson's wharf—Reconstruction .....	2,514	94		
Suspense account .....	1,241	44		
Profit and loss .....	5,863	10		
	4,254,041	50	4,254,041	50
Dec. 31 By Beach and deep water lots .....				
Sinking fund .....				
Receiver-General of Canada .....				
Quebec harbour debentures .....				
Graving dock capital .....				
do revenue .....				

JAS. WOODS,  
Bookkeeper.

A. H. VERRET,  
Secretary-Treasurer.

We hereby certify that we have examined the books and vouchers of the Quebec Harbour Commission for the year ending 31st December, 1887, and that the above is a correct copy of the Balance Sheet.

A. GABOURY, }  
A. AHERN, }  
Auditors.

QUEBEC, 21st January, 1888.



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QUEBEC, 21st January, 1888.

GENTLEMEN,—We beg to report that we have audited the books and vouchers of the Commission for the year 1887, and we are pleased to state we have found everything in order.

We have to thank Mr. Verret and Mr. Woods for having given us all the facilities possible.

We have the honor to be, Gentlemen,  
Your obedient servants,

A. GABOURY,

A. AHERN, *Auditors.*

To the Chairman and Commissioners,  
Quebec Harbour Commission,  
Quebec.

## APPENDIX No. 5.

REPORT OF THE HARBOUR COMMISSIONERS OF TORONTO FOR THE  
CALENDAR YEAR ENDED 31st DECEMBER, 1887.

## TORONTO HARBOUR.

SECRETARY of the Toronto Harbour Trust in account with the Harbour Commissioners for 1887.

## GENERAL BALANCE SHEET.

Dr.				Cr.	
1887.		\$ cts.	1887.		\$ cts.
Dec. 31	Wharf property.....	42,817 77	Dec. 31	By Overdraft at bank.....	6,364 76
	Elevator.....	10,250 00		Profit and loss.....	47,411 76
	Office furniture.....	704 71			
	Cash on hand.....	4 04			
		<hr/> 53,776 52			<hr/> 53,776 52

Having examined the books, accounts and vouchers, and having compared the balance sheet as above with the books, etc., we certify the same to be correct and to represent a true statement of the affairs of the Trust to 31st December, 1887.

MORGAN BALDWIN,  
*Harbour Master.*

C. W. POSTLETHWAITE,  
*Deputy Harbour Master.*

ARTHUR B. LEE, Chairman.  
A. M. SMITH,  
GEORGE VERRAL,  
WILLIAM CARLYLE,  
GEO. A. CHAPMAN,  
*Commissioners.*

JAS. E. DAY,  
C. B. GRASETT,  
*Auditors.*  
TORONTO, 5th January, 1888.

## STATEMENT of Receipts and Expenditure of Toronto Harbour Trust for the Year 1887.

1887.	RECEIPTS.	\$ cts.	1887.	EXPENDITURE.	\$ cts.
Jan. —	Balance on deposit at bank..	8,924 47	Dec. —	Dredging.....	17,589 36
	Cash on hand.....	1 91		Improvement to property at Queen's Wharf.....	2,797 20
Dec. —	Corporation of City of To- ronto.....	100 00		Repairs at Queen's Wharf...	2,446 61
	Interest on deposit at bank..	174 05		Salaries.....	2,600 00
	Toronto, Grey and Bruce Railway.....	3,000 00		Office expenses, including rent.....	513 09
	Toronto Yacht Club, acct. for lost anchor.....	8 50		Lights, buoys and beacons..	436 05
	Harbour dues for year.....	8,559 68		Charges, auditors' and com- missioners' fees.....	300 00
	Rent of boat houses at Queen's Wharf.....	6 00		Printing and stationery.....	65 40
	Str. "Hastings" account for damages to Queen's Wharf.....	16 36		Deputation to Ottawa.....	42 40
	Overdraft at bank.....	6,364 76		Solicitor's fees.....	54 00
				Engineer's fees for report on Don.....	50 00
				Advertising for tenders.....	36 45
				Insurance.....	142 20
				Coal and wood.....	35 00
				Uapt Manson, "Erie Belle".	20 00
				Repairing boat.....	10 00
				Refund of rent for boat houses.....	5 00
				Cab-hire.....	4 00
				Office furniture.....	3 93
				Cash on hand.....	4 04
		27,155 73			27,155 73

Examined and found correct.

JAS. E DAY,  
C. B. GRASSETT,  
*Auditors.*

TORONTO, 5th January, 1888.



STATEMENT IN DETAIL.

		OFFICE FURNITURE.	\$ cts.	\$ cts.
1887.				
Jan. 1	Amount as per ledger .....		700 78	
April 9	To drawer for plans, &c .....		3 93	
				704 71
		PROPERTY.		
Jan. 1	Amount as per ledger .....		40,020 57	
Sept. 5	New Crib at Queen's Wharf .....		2,797 20	
				42,817 77
		INSURANCE.		
Jan. 24	Premium on lighthouses .....		8 00	
July 29	do elevator .....		130 00	
Dec. 27	do office furniture .....		4 20	
				142 20
		COAL AND WOOD.		
Jan. 24	J. R. Bailey & Co, 2 tons coal .....		11 50	
Mar. 26	do 1 do .....		6 00	
Apr. 27	do 1 do .....		5 50	
Dec. 2	do 2 do .....		12 00	
				35 00
		OFFICE EXPENSES.		
Nov. 12	G. R. R. Cockburn, rent for year .....		360 00	
Oct. 31	Rent for telephones at Bay Street and Queen's Wharf .....		100 00	
Dec. 31	Cleaning office, water rate, &c., per petty cash .....		57 03	
				517 03
		LIGHTS, BUOYS AND BEACONS.		
Oct. 24	Account for gas for three quarters .....		123 73	
Dec. 21	Placing buoys, painting and repairing .....		235 07	
May 7	To sounding along city front .....		14 00	
do 26	To 6 new anchors with eye bolts and shackles .....		51 75	
Oct. 24	New ventilator on Red Lighthouse .....		6 50	
Nov. 30	Paid for 5 anchors recovered by dredge .....		5 00	
				436 05
		CHARGES.		
Jan. 10	Commissioners' and auditors' fees for 1886 .....			300 00
		DREDGING.		
July 30	At Yonge Street slip, 1,050 cubic yards at 15c .....		157 50	
do 30	At Church do 1,075 do .....		161 25	
do 30	At Rogers' do 6,075 do .....		911 25	
Aug. 30	At Sylvester's slip, 244 do .....		36 60	
do 30	At Conger's do 555 do .....		83 25	
do 30	At Don channel, 17,340 do .....		2,601 60	
Aug. and Nov. } do 30	At Western do 30,090 cubic yards at 28c .....		8,425 20	
Nov. 30	Extra wheeling at Queen's Wharf, per contract .....		2,535 35	
do 30	Removing boulders at western channel .....		262 50	
do 30	Engineer's fees, check clerks' salaries, &c .....		2,415 46	
				17,580 36
		PRINTING AND STATIONERY.		
Jan. 10	Mail account, printing notices of meeting .....		2 00	
do 24	Brown Bros., foolscap paper and envelopes .....		6 25	
	Brought forward .....		8 25	62,542 12

## STATEMENT IN DETAIL—Continued.

PRINTING AND STATIONERY—Continued.		\$ cts.	\$ cts.
Brought forward.....		8 25	62,542.12
Jan. 24	Copp, Clark & Co., letter paper.....	6 00	
Feb. 1	Mail account for annual statement.....	18 50	
April 9	do import manifests.....	8 50	
do 9	Brown Bros., blotting paper.....	3 00	
June 11	do minute book.....	3 25	
Nov. 14	Mail account, posters.....	8 00	
Dec. 31	Petty cash, stamps, envelopes, &c.....	10 90	
			66 40
ELEVATOR.			
Jan. 1	Amount as per ledger.....		10,250 00
SALARIES.			
Dec. 24	M. Baldwin, harbour master.....	1,200 00	
do 24	U. W. Postlethwaite, deputy harbour master.....	800 00	
do 24	Captain Taylor do.....	600 00	
			2,600 00
			75,458 52
CREDITS.			
Apr. 20	From Corporation City of Toronto.....	100 00	
Dec. 31	From tenant, proportion water rates.....	3 94	
			103 94

DR.		PROFIT AND LOSS.		CR.	
1887.	\$ cts.	1887.	\$ cts.		
Dredging.....	17,589 36	Balance as per ledger folio 376.....	59,897 73		
Repairs to Queen's Wharf.....	2,446 61	Harbour dues.....	8,559 68		
Office expenses and rent.....	513 09	Toronto, Grey and Bruce Railway...	3,090 00		
Salaries.....	2,600 00	Interest on deposit at bank.....	174 05		
Lights, buoys and beacons.....	327 55	Account against str. "Hastings"...	16 36		
Charges.....	300 00	Rent of boat houses at Queen's Wh'f.	6 00		
Insurance.....	142 20				
Solicitor's fees.....	54 00				
Engineer's fees for report on Don.....	50 00				
Deputation to Ottawa.....	42 40				
Printing and stationery.....	66 40				
Advertising for tenders.....	36 45				
Coal and wood.....	35 00				
Captain Manson, "Erie Belle".....	20 00				
Repairing boat.....	10 00				
Refund of boat house rents.....	5 00				
Cab hire.....	4 00				
Balance to credit of profit and loss....	47,411 76				
	71,653 82				71,653 82

Examined and found correct.

JAS. E. DAY,  
C. B. GRASETT,  
*Auditors.*

TORONTO, 5th January, 1888.

## COMPARATIVE STATEMENT.

GOODS Arriving by Steamers and Vessels for 1886 and 1887.

Description.	1886.	1887.
General merchandise..... tons.	17,149	14,758 $\frac{1}{2}$
Coal..... do	119,205	162,667
Wood..... cords	397	363
Stone..... toise.	3,609 $\frac{1}{2}$	3,753 $\frac{1}{2}$
Building stone..... tons.	3,508	4,354
Moulding sand..... do	393	681
Fruit..... barrels.	8,143	10,691
do..... boxes.	9,697	16,087
do..... baskets.	55,968	73,976
do..... bags.	1,829	305
Laths and hoops.....	2,999,250	1,783,600
Lumber..... feet B. M.	1,554,500	1,321,850
Grain..... bushels.	116,263	18,256
Sheep, pigs and calves, in carcass.....	10	10
do..... alive.....	2	4
Horses, carriages and horned cattle.....	333	473

C. W. POSTLETHWAITE,  
*Deputy Harbour Master.*

## THIRTY-SEVENTH ANNUAL REPORT.

To the Commissioners of the Harbour of Toronto :

GENTLEMEN,—I have the honour to lay before you my Annual Report for the year 1887.

The ice left the Bay on the 12th of April, twenty-three days later than last year. And the first vessel to arrive was the schooner "Jessie Drummond," Captain Maw, light from Charlotte, U.S. The last vessel to arrive was the "Defiance," Captain Naish, with stone, on the 17th December; this was three days later than the latest last year. The Bay was frozen over on the 24th December.

The number of arrivals this year was :—

	1887.	1886.		
Steamboats, loaded .....	478	516	Decrease...	35
do light .....	8	1	Increase ...	7
Propellers, loaded .....	134	155	Decrease...	21
do light .....	85	80	Increase ...	5
Schooners, loaded .....	1,236	1,140	Increase ...	96
do light .....	78	85	Decrease...	7

The number of vessels wintering here is 58, representing about 7,869 tons register.

The balance to the credit of the Trust in the Bank of Toronto, on the 1st of January, was \$8,926.38. The receipts for Harbour Dues were \$8,559.68 (a decrease of \$54.50 as compared with last year), and the receipts from all other sources \$3,304.91, making a total of \$20,790.97. The expenditure for the year being \$27,155.73, left a deficit of \$6,364.76, which had to be met by an over draft at the Bank. This was owing in great measure to the large amount of necessary work done this year and partly to the reduction in the tariff.

I would strongly urge a return to the former tariff, as I think this year's experience has clearly proved that the pleas advanced by the petitioners for such reduction have been falsified by the facts. Their argument was, that if a number of enumerated articles which paid a specific rate were placed under the head of general merchandise, and the rate for general merchandise reduced from 6½ cents to 4 cents per ton, the increase in the amount of merchandise carried would more than make up the usual revenue from such sources. Now, the fact is, there were 2,327 tons merchandise less carried this year than last and the receipts from the same sources \$557.21 short of the previous year.

There has been a considerable increase in the coal receipts owing to the fact that the railways were not competing with the vessels this season, and not in any way to be attributed to the reduction of one cent per ton in the tariff.

The amount of coal received by water was 162,667 tons, 2,471 of which was soft coal; this is an increase of 43,462 tons as compared with last year. The amount received by rail, as per information received from the Custom House, was, hard, 122,573 tons; soft, 189,323 tons; total, 311,896 tons. Amount received in 1886 253,914 tons.

A very large amount of dredging was done this year, principally in the Western channel, owing to the encroachment of the bar. The sand which was removed from the channel was used to help fill in the Commissioners' lot to the north of the Queen's Wharf. A number of the slips had to be dredged as usual, owing to the deposit from the sewers, and dredging was also done in the Don. A considerable amount of dredging will be necessary next spring to make good water, say 14 feet, from the foot of Sherbourne street to Messrs. Gooderham & Worts' wharf in the Don, and there are some obstructions in the Western channel, probably stones, which will need to be removed as soon as possible.

Total cost of dredging this year, \$17,589.36.

Four hundred and fifty feet of crib work was constructed and laid down from the red lighthouse crib running in a northerly direction across the Commissioners' lot to within 60 feet of the Canadian Pacific Railway Company's property, enclosing a little more than four acres, which is now filled in partly with the sand from the channel and partly with the earth excavated by the Gas Company in making their large gasometer on Bathurst street.

A great improvement has been made by the City Board of Works having at last carried the Bathurst street sewer down to the end of the Queen's Wharf, where it now empties itself into deep water. This sewer has for long years past discharged the sewage into the water at the angle formed by the Esplanade and the north west portion of the Queen's Wharf, where it left a foul deposit, which, particularly in hot weather, was very offensive as well as highly injurious to health.

The water this year continued pretty high, the average for the year being 23½ inches above zero. The highest water was on the 30th and 31st May, and 1st June, on which days it registered 39 inches above zero. The lowest water, 3 above zero, was on the 29th December.

The buoys were all placed out by the 12th May—the "western channel" buoys on the 16th April; those in the "gap" on the 19th; those in the "Don channel" on the 20th; those round the "point," with the exception of the "bell" buoy, on the 27th; and the "bell" buoy on the 16th April. The delay in getting this buoy out was owing to the Water Works Department not having replaced the counterpoise, which had been lost the year previous.

The "lights" on the Queen's Wharf were lighted on the 14th April, and discontinued on the 15th December.

The loss, annually, of so many vessels and valuable lives, leads me to think the time has come when our Government should exercise some supervision over the building and sailing of our inland merchant marine. Seaworthiness is, in many cases, sacrificed to carrying capacity and cheapness; and the amount of freight a vessel carries is, in some cases, just that amount the captain thinks his vessel will float with. This, no doubt, is owing to the desire on the part of the captain to make the most out of a low freight, and to stand well with his "owners," but it necessarily risks the lives of others who have no say in the matter.

The Government work of strengthening the Island breast work was begun in September last, and the men, under the superintendence of Ald. Swait, have since then placed 2,598 cubic yards of heavy stone in position against the piling and western groin of "gap;" they have also built a stone groin at the western end of breast work. The Superintendent purposes getting as much stone across the bay as possible, while the ice permits. He estimates the amount of stone necessary to complete present work as 30,000 cubic yards, and probable cost of same at \$100,000.

I have much pleasure in testifying to the zeal and ability with which my deputies, Mr. C. W. Postlethwaite and Capt. Taylor, have discharged their several duties.

All which is respectfully submitted.

MORGAN BALDWIN,  
*Harbour Master.*

7th January, 1888.

## TORONTO HARBOUR WORKS.

TORONTO, 6th January, 1888.

SIR,—I have the honour to report that the crib work on the east side of the northern portion of the Queen's Wharf, from the grain elevator to the Esplanade, was taken down and repaired in the early part of the year by the contractor, the work having been advertised. The contractor also constructed 450 feet of crib work, 10 feet in width, extending from the red lighthouse in a northerly direction to the Esplanade, as a protection for the sand filling to be dredged from the bar, and placed on the north side of the Queen's Wharf. The bins of the grain elevator were strengthened with  $\frac{3}{4}$ -inch round iron cross bolts and washers on the outside, and the sides of the bins were sheeted, the boarding originally having been only constructed on one side, which was found to be insufficient when the bins were required to be separately filled.

The east end of the front portion of the Queen's Wharf was slightly injured by a sailing vessel coming into the harbour. On examination it was found to be quite decayed, and according to directions the crib work was repaired and the corners sheeted with oak planking, bound with iron as before. The work was done at contract prices. Some repairs were also required to the crib work and planking on the front of the wharf. The whole of the above work was done under my direction by Mr. Robertson, the contractor, in a substantial manner.

The following slips and the Don channel were dredged during the year, the quantities being as follows. Yonge and Church streets were the first dredged:—

Yonge street slip.....	1,050	cubic yards
Church street slip .....	1,075	do
Rogers' slip and entrance .....	6,075	do
Sylvester's slip, east side .....	244	do
Conger Coal Company's slip.....	725	do
Don channel.....	25,925	do
Total.....	35,094	do

The contract price per tender was 15 cents per yard. The quantity of dredging at the Don channel was largely increased in consequence of the rapid fall of the water level in Lake Ontario, from 39 inches above zero in May to 3 inches in December, in all 36 inches—an exceptional fall.

The bar on the south side of the Western channel was dredged according to contract, the price being 23 cents per cubic yard, and additional allowance for hauling beyond 100 lineal yards.

The quantity dredged was 30,000 cubic yards, as specified; the sand was filled in and levelled in the space north of the western portion of the wharf, a steam derrick having been used to empty the scows. Several boulders were also removed from the channel by the contractor, Mr. John Conlon, who performed the work in a satisfactory manner.

An average width of 50 feet was dredged off the northern edge of the bar, the least width of the channel being 325 feet, and 350 feet at the entrance.

The City Board of Works have extended the Bathurst street sewer along the roadway leading from Front street to the wharf. The deposit from this sewer will have to be dredged at a future time, as I am of opinion that the current through the channel, which flows into and out of the harbour with the change of wind will not be sufficient to remove it.

I remain, your obedient servant,

KIVAS TULLY,

*Engineer.*A. B. LEE, Esq.,  
Chairman Toronto Harbour Commissioners.

## APPENDIX No. 6.

REPORT OF THE HARBOUR COMMISSIONERS OF PICTOU, N.S., FOR THE  
CALENDAR YEAR, ENDED 31ST DECEMBER, 1887.

PICTOU, N.S., 27th January, 1888.

SIR,—I beg to enclose herewith the statement of receipts and expenditure of the Harbor Commissioners for year ending 31st December, 1887.

The east public wharf having been transferred to the Railway Department for terminal facilities, the Commissioners would respectfully draw your attention to the necessity for dredging about the west wharf in order that vessels and steamers of large tonnage may have no difficulty in securing a berth.

The Government steam dredge "St. Lawrence" is now at this wharf undergoing repairs and the Commissioners would strongly recommend that its services be secured immediately on opening of navigation.

There would be sufficient time to do the work required before the Gulf would be clear enough to allow the dredge leave for the season's work.

The Commissioners contemplate building an addition to the west wharf to give increased accommodation to shipping.

The Harbour Master's report for 1887 gives the total number of arrivals of steamers and sailing vessels at 1,322, aggregating 249,440 tons, against 1,588, aggregating 270,800 tons, during 1886.

I have the honour to be, sir,

Your obedient servant,

J. A. GORDON.

*Chairman Harbour Commissioners.*

The Deputy Minister of Marine,  
Ottawa.





APPENDIX No 7.

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REPORT OF THE HARBOUR MASTER FOR THE PORT OF HALIFAX,  
N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

HARBOUR MASTER'S OFFICE,  
HALIFAX, N.S., 23rd January, 1888.

SIR,—I have the honour to submit herewith my statement for the year ending 31st December, 1887, showing the number, rig and tonnage of vessels subject to Harbour Master's dues that entered this port.

I have the honour to be, sir,

Your obedient servant,

E. O'BRYAN,

*Harbour Master.*

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

DR. RECEIPTS AND EXPENDITURE of the Harbour Master, Halifax, N.S., from 1st January to 31st December, 1887. CR.

	Number.	Rig.	Tonnage.	\$ cts.	\$ cts.
To fees collected from.....	133	Steamers.....	209,353	641 00	By amount reverting to Harbour Master for expenses and remuneration..... 1,718 00
do do.....	2	Ships.....	1,785	9 00	
do do.....	86	Barques.....	46,844	302 50	
do do.....	12	Barquentines.....	3,927	28 00	
do do.....	8	Brigs.....	1,989	16 00	
do do.....	96	Brigantines.....	18,113	163 00	
do do.....	509	Schooners.....	45,661	558 50	
				1,718 00	
				1,718 00	

E. O'BRYAN,  
*Harbour Master.*

Sworn to before me at Halifax, N.S., this }  
23rd day of January, 1888.  
JAMES S. O'BRIEN, J.P.

APPENDIX No. 8.

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REPORT OF THE NORTH SYDNEY HARBOUR COMMISSIONERS FOR  
THE CALENDAR YEAR ENDED 31<sup>ST</sup> DECEMBER, 1887.

NORTH SYDNEY, C.B., 31st December, 1887.

SIR,—In accordance with the Commissioners' Act we have the honor of submitting our report for the year 1887.

The blocks built on the north bar in 1880-82 have settled in the sand to such an extent that it is unsafe for vessels to discharge ballast on them at spring tides. We intend, with your approval, to repair the blocks during the coming season.

The annexed statement contains the usual particulars furnished to your Department.

The Hon. GEO. E. FOSTER,  
Minister of Marine and Fisheries.  
Ottawa.

## COAL EXPORTS.

The coal shipments from this harbour show an increase of 10 per cent. over 1886, and 178 per cent. over 1879.

The following are the coal shipments since 1879 :—

Years.	Sydney Mines.	Victoria.	Inter-national.	Bridgeport Mines.	Reserve.	Totals.
1879.....	108,259		21,523		17,269	147,051
1880.....	115,307		58,897		13,614	187,818
1881.....	133,135		78,285		68,884	280,304
1882.....	133,623		102,927		74,432	310,982
1883.....	131,673	154	96,997		104,777	333,601
1884.....	131,339	10,408	80,798	3,045	86,550	312,140
1885.....	105,124	41,066	63,750	12,280	74,183	296,413
1886.....	122,000	46,745	105,590	12,500	84,500	371,335
1887.....	147,000	65,000	103,000	12,000	81,500	408,500

## SHIPPING.

The tonnage arrivals of the year show an increase of 7,909 tons over 1886.

The following are the vessels, tonnage and seamen since 1879 that arrived and called off for orders :—

Years.	No. of Vessels.	Tonnage.	Seamen.
1879.....	1,150	245,220	9,892
1880.....	1,173	297,990	12,386
1881.....	1,017	401,082	10,147
1882.....	1,100	455,492	11,927
1883.....	1,486	417,894	14,297
1884.....	1,607	469,189	15,730
1885.....	1,317	409,557	15,014
1886.....	1,468	420,619	14,805
1887.....	1,264	428,528	13,316



**HARBOUR MASTER'S REPORT.**  
**COMPARATIVE STATEMENT of Arrivals and Tonnage of Vessels for Cayoes, Orders, and Steamers for Bunker Coals.**

Class of Vessels.	1879.		1880.		1881.		1882.		1883.		1884.		1885.		1886.		1887.	
	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.
Ocean steamers .....	41	42,550	197	197,242	253	258,470	174	178,568	217	212,467	271	240,674	240	226,468	289	241,849	293	280,943
Coasting steamers .....	105	45,752	43	16,297	55	25,703	128	86,759	178	40,732	121	35,303	71	17,475	77	16,044	82	19,810
Ships .....	8	7,541	13	16,788	9	11,076	5	5,989	11	10,480	11	13,148	6	5,523	6	7,151	6	7,528
Barques .....	134	68,234	124	77,882	136	44,753	110	62,380	105	53,157	159	80,039	133	62,827	150	73,219	110	49,066
Brigantines .....	145	25,558	189	45,524	125	25,854	185	45,969	149	36,186	189	36,537	166	33,998	86	19,363	104	18,323
Schooners .....	717	55,775	607	45,277	439	35,236	498	75,829	826	64,878	856	63,428	702	54,265	661	62,988	672	52,868
<b>Totals .....</b>	<b>1150</b>	<b>245,200</b>	<b>1173</b>	<b>397,990</b>	<b>1017</b>	<b>401,082</b>	<b>1100</b>	<b>455,492</b>	<b>1486</b>	<b>417,900</b>	<b>1607</b>	<b>469,189</b>	<b>1317</b>	<b>400,557</b>	<b>1468</b>	<b>420,619</b>	<b>1261</b>	<b>428,528</b>
<b>No. of Seamen .....</b>	<b>9,862</b>			<b>12,385</b>		<b>10,147</b>		<b>11,927</b>		<b>14,297</b>		<b>15,730</b>		<b>15,014</b>		<b>14,803</b>		<b>13,316</b>

## PORT OF NORTH SYDNEY.

COMPARATIVE STATEMENT showing the dates of the closing and opening of navigation; also the first arrival from and the last departure to sea, for the past nine years.

Years.	Closing of Navigation.	Opening of Navigation.	Last Departure.	First Arrival.
1879.....	February 16...	March 2...	January 24...	March 3.
1880.....	do 4...	April 10...	do 17...	April 13.
1881.....	January 22...	February 25...	do 19...	do 1.
1882.....	do 27...	May 2...	do 24...	May 2.
1883.....	do 19...	March 28...	do 17...	April 1.
1884.....	do 16...	April 22...	do 16...	do 27.
1885.....	do 22...	do 24...	February 15...	do 25.
1886.....	February 28...	do 4...	do 15...	do 15.
1887.....	do 2...	do 4...	January 27...	do 28.

The harbour buoys were put out during the first week in June, 1887, and taken up 30th December, 1887.

Respectfully submitted,

GEO. B. MOFFATT,

*Harbour Master.*

## APPENDIX No. 9.

### REPORT OF THE HARBOUR COMMISSIONERS OF THREE RIVERS FOR THE CALENDAR YEAR ENDED 31<sup>ST</sup> DECEMBER, 1887.

SECRETARY'S OFFICE,

THREE RIVERS, 21<sup>ST</sup> January, 1888.

SIR,—I have the honour, by the direction of the Harbour Commissioners of Three Rivers, to forward herewith, for the information of the Honorable the Minister of Marine, statements of the receipts and disbursements of the Commission for the year ended 31<sup>st</sup> December, 1887. Also, a comparative statement of trade and navigation of the port during the same year.

#### RECEIPTS AND DISBURSEMENTS.

The receipts were as follows, viz. :—

##### *From Collector of Customs, Three Rivers.*

Harbour dues on goods inwards.....	\$299 30
do do outwards.....	786 61
Tonnage dues on vessels.....	852 35
Moorage do .....	66 35
	\$2,004 61

##### *Local Traffic.*

Harbour dues on goods inwards.....	\$ 128 04
do do outwards.....	345 04
Tonnage dues on vessels.....	428 02
Commutation on goods and vessels .....	1,086 21
Rent of wharf and moorage dues.....	1,190 49
	\$3,177 80

Total receipt..... \$5,182 41

The expenditure was as follows :—

Salaries of officers.....	\$1,525 00
Printing expenses.....	42 00
Travelling do .....	33 40
Rent, office expenses, sundries.....	696 71

##### *Construction Account.*

Wharf No. 1.....	580 60
do No. 2.....	332 72
Interest (balance on debentures).....	6 00

Total expenditure..... \$3,216 43





STATEMENT of the Number and Tonnage of Sailing Vessels and Steamers entered Inwards and Outwards, for the Year ended 31st December, 1887.

PORT OF THREE RIVERS.

Return of Vessels Inwards.			Return of Vessels Outwards.		
	No	Tonnage.		No.	Tonnage.
Total of vessels arrived.....	28	32,203	Total of vessels cleared .....	28	32,203
Number of steamers.....	13	17,122	Number of steamers.....	13	17,122
do sailing vessels.....	15	15,081	do sailing vessels.....	15	15,081
Nationality.			Nationality.		
Scandinavian.....	12	12,332	British.....	9	10,313
British. { 1 sailing vessel.....	1	1,006	Foreign.....	19	21,890
{ 8 steamers.....	8	9,307			
French SS.....	5	7,815			
Danish.....	1	1,248			
Argentine Republic.....	1	495			
Sailing from			Sailing for		
British ports.....	6	7,077	British ports.....	19	21,928
Canadian ports.....	16	18,975	Canadian ports.....	6	7,362
Scandinavian ports.....	6	6,151	French ports.....	2	2,418
			South America.....	1	495

OUTPORT OF BASISCAN.

Arrivals.	8	5,786	Departure.	8	5,786
Scandinavian.....	6	3,711	Great Britain.....	7	5,324
Spanish SS.....	1	1,515	Spain.....	1	462
Russian.....	1	560			

LOCAL TRAFFIC.

	No.	Tonnage.
Bateaux.....	214	Not registered.
Schooners.....	40	3,148
Barges.....	96	10,031
Steamboats.....	170	20,756
	520	33,935
American barges.....	49	4,786
	569	38,721

Richelieu and Ontario Navigation Company's boats and local steamboats not included.

STATEMENT of the Number and Tonnage of Sailing Vessels and Steamers entered Inwards and Outwards, &c.—*Concluded.*

RECAPITULATION.

	No.	Tonnage.
Sea-going vessels, 36.		
Port of Three Rivers.....	28	32,203
Outport of Batiscan.....	8	5,786
American barges.....	49	4,786
Coasting traders.....	520	33,935
<b>Total .....</b>	<b>605</b>	<b>76,710</b>

The total amount of lumber shipped during the season was 50,500,000 feet, of which 23,750,000 feet, forming 26 cargoes, went direct to Great Britain, one cargo of 216,000 feet to South America, one cargo of 480,000 feet to Spain, and 17,363,000 feet to the United States. Of the balance 4,275,000 feet were sent to Quebec for transshipment into seagoing vessels, the rest being for home consumption.

The aggregate volume of trade according to Custom house and Consular returns amounted for 1887 to \$869,534, divided in:—

Exports.....	\$764,299
Imports.....	105,235

An augmentation of \$130,901 in our exports, while the imports show a diminution of \$139,632. This diminution is to be charged to the absence of imports of steel rails, also of pig iron, bread stuffs and provisions, the latter articles being replaced by national and local products.

The exports are divided as follows:—

*To the United States.*

15,976,229 feet lumber .....	\$148,000	
8,821,000 shingles .....	21,000	
1,396,828 feet box shooks .....	23,560	
96,163 pieces railroad ties .....	16,923	
10,119 do telegraph poles .....	5,489	
1,666,000 laths, pickets, &c .....	2,132	
1,700 cords hemlock bark .....	7,400	
11,614 tons hay .....	117,000	
9,857 dozen eggs .....	1,158	
600 bushels oats .....	180	
870 do potatoes .....	291	
Furs and skins .....	1,713	
Horses .....	860	
Miscellaneous .....	107,249	
		<b>\$453,060</b>

*To Great Britain.*

12,802,875 feet pine deals.....	\$209,125	
8,167,000 do spruce do .....	71,008	
2,743,000 do deal ends.....	16,840	
<b>23,712,875 ft.</b>		
Square birch.....	928	
3 M. staves.....	914	
		<b>298,915</b>

<i>To Spain.</i>	
480,000 feet lumber .....	3,164
<i>To South America.</i>	
216,000 feet lumber .....	2,660
<i>To Germany.</i>	
Furs .....	6,500
	<u>\$764,299</u>

The imports were as follows:—

<i>From United States.</i>	
Machineries, hardware, &c.....	\$10,481
1,918 tons coals.....	7,876
Raw furs, hides, &c.....	6,925
Leather and leather goods.....	3,678
Dyeing and tanning stuff.....	2,873
Breadstuffs and provisions.....	2,204
Raw tobacco.....	3,580
Silk, woolen and cotton goods.....	2,363
52 tons pig iron.....	1,083
Platina, silver and brass.....	1,231
Books, prints and stationery.....	698
Electroplated, jewellery, musical instruments.	637
Manufactures of wood.....	544
Drugs, oil, &c.....	390
India rubber goods.....	319
Miscellaneous .....	10,598
	<u>\$55,480</u>
<i>From Great Britain.</i>	
Raw hides.....	\$16,021
Leather.....	1,674
350 tons salt.....	895
Oileloth and India rubber goods.....	493
Woolen goods.....	138
Freestone .....	49
	<u>19,270</u>
<i>From Lower Provinces.</i>	
4,687 tons coal.....	\$18,750
45 brls. fish.....	180
	<u>18,930</u>
<i>From France.</i>	
Philosophical instruments.....	\$1,718
803 galls. brandy.....	1,372
Books and stationery .....	1,224
Fancy goods.....	260
322 galls. wine.....	199
Perfumery.....	31
Musical instruments.....	39
Communion plates.....	36
	<u>4,879</u>

<i>From Holland.</i>		
4,150 galls. gin .....		2,588
<i>From Germany.</i>		
Leather.....	\$1,552	
Linen and clothing.....	438	
Fancy goods.....	218	
Plants.....	21	
	—————	2,229
<i>From Spain.</i>		
2,703 galls. wine.....		1,374
<i>From Belgium.</i>		
Dressed furs.....		312
<i>From Palestine.</i>		
Communion plates.....	\$110	
Beads and ornaments.....	43	
	—————	153
<i>From Norway.</i>		
Anchovies .....		20
Total.....		————— \$105,235

I have the honor to be, sir,

Your obedient servant,

GEORGE BALCER,

Secretary Three Rivers Harbour Commissioners.

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

## APPENDIX No. 10.

TABLE showing the names of Ports proclaimed under certain Dominion Acts, the provisions of which are found in Chapter 86, Revised Statutes of Canada, for the appointment of Harbour Masters; the dates of proclamation; the names of the Harbour Masters appointed; 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, 1887, 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	Amount collected in	Amount paid over to
				fees of office salary not to exceed.	1887.	Receiver-General.
				\$ cts.	\$ cts.	\$ cts.
Collingwood.....	3 March, '77	Andrew Lockerbie.....	3 March, '77	200 00	178 00	.....
Goderich.....	28 April, '76	Thomas N. Dancy.....	22 April, '76	300 00	85 50	.....
Midland.....	22 July, '82	E. Polkinghorn.....	22 July, '82	200 00	172 00	.....
Parry Sound.....	24 March, '83	John Galna.....	19 March, '83	200 00	72 50	.....
Penetanguishene.....	2 Feb., '77	Francis Densome.....	3 June, '81	200 00	15 50	.....
Port Arthur.....	12 May, '84	Wm. F. Davidson.....	12 May, '84	400 00	109 50	.....
Rondeau.....	4 May, '78	Thomas Harrison.....	4 May, '78	100 00	73 00	.....
Southampton.....	23 Sept., '75	W. H. Johnston.....	27 Sept., '82	100 00	67 50	.....
Sarnia.....	25 July, '85	Robt. McAdam.....	3 May, '86	300 00	.....	.....

## PROVINCE OF QUEBEC.

Amherst.....	14 Sept., '78	John Cassidy.....	2 Sept., '78	200 00	12 50	.....
Carleton.....	8 Dec., '81	Joseph H. Landry.....	8 Dec., '81	200 00	.....	.....
Chicoutimi.....	17 June, '85	Ainsworth Sturton.....	8 June, '86	200 00	82 00	.....
Gaspé.....	25 Sept., '74	Joseph Eden.....	22 Sept., '74	500 00	97 50	.....
Matane.....	19 Oct., '77	D. F. St. Aubin.....	12 June, '80	200 00	26 50	.....
Métis.....	7 Feb., '78	P. F. Leggatt.....	7 Feb., '78	200 00	41 50	.....
New Richmond.....	15 April, '82	Henry Leblanc.....	3 April, '82	200 00	26 50	.....
Oak Bay.....	27 March, '80	Jas. D. Sowerby.....	22 March, '80	200 00	.....	.....
Paspebiac.....	12 May, '77	Hugh Christie.....	22 May, '77	150 00	26 50	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts, &c.—Continued.

PROVINCE OF QUEBEC—Concluded.

Name of Ports.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				\$ cts.	\$ cts.	\$ cts.
Rimouski .....	5 March, '77	Jos. St. Laurent .....	30 May, '78	200 00	19 50	.....
Rivière Ouelle.....	22 July, '82	Achilles Fraser .....	22 July, '82	100 00	.....	.....
St. Thomas .....	2 Jan., '86	Eug. Hammond.....	21 Dec., '85	200 00	67 00	.....
St. John's .....	Within the Harbour of Montreal.	Jos. E. Pinsonneault....	10 May, '79	500 00	503 00	3 00
Sorel .....		Pierre Bellefeuille .....	20 April, '75	300 00	332 50	32 50

PROVINCE OF NEW BRUNSWICK.

Bathurst .....	30 May, '73	James Andrew.....	23 March, '81	200 00	106 50	.....
Black's Harbour and Beaver Harbour .....	22 Sept., '83	E. W. Cross .....	17 Sept., '83	100 00	12 50	.....
Buctouche .....	30 May, '73	James Keswick .....	28 May, '83	100 00	20 00	.....
Campbelltown .....	30 May, '73	William Mott.....	9 July, '73	200 00	26 50	.....
Campobello .....	30 May, '73	John Benjamin Beatty .....	7 July, '73	100 00	23 00	.....
Caraquet .....	30 May, '73	Louis Poirier .....	17 April, '83	150 00	22 50	.....
Chatham.....	30 May, '73	Wm. Johnston.....	25 June, '79	300 00	327 50	27 50
Cocagne .....	30 May, '73	John Brooks.....	7 July, '73	100 00	.....	.....
Dalhousie .....	30 May, '73	James Moffatt .....	5 April, '83	200 00	112 50	.....
Dorchester .....	30 May, '73	Joshua King.....	9 July, '75	200 00	.....	.....
Fredericton .....	30 May, '73	Vacant .....	.....	.....	.....	.....
Grand Manan .....	18 Sept., '76	James A. Pettis.....	18 Sept., '76	100 00	.....	.....
Great Shemogue .....	17 May, '75	John Avarad .....	10 May, '75	100 00	.....	.....
Harvey .....	30 May, '73	H. E. Graves .....	8 July, '81	100 00	11 00	.....
Hillsborough .....	30 May, '73	Nehemiah Bennett .....	21 Jan., '87	150 00	67 50	.....
Ledge of St. Stephens...	30 May, '73	Charles Young .....	22 April, '76	100 00	4 50	.....
Letete, &c. ....	22 Sept., '83	Jos. Chambers.....	17 Sept., '83	100 00	4 00	.....
Little Shippegan and Miscou Gully.....	1 May, '86	Donald Harper .....	19 April, '86	100 00	.....	.....
Moncton .....	30 May, '73	Vacant .....	.....	.....	.....	.....
Musquash .....	26 March, '74	Samuel Hayward .....	26 March, '74	100 00	.....	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts,  
&c.—Continued.

## PROVINCE OF NEW BRUNSWICK—Concluded.

Name of Ports.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.		Amount paid over to Receiver-General.
				\$ cts.	\$ cts.	
Newcastle.....	30 May, '73	John Niven.....	7 July, '73	300 00	163 00	.....
North Joggins.....	30 May, '73	Vacant.....	.....	.....	.....	.....
Port Elgin & Baie Verte	6 Feb., '73	Jacob Silliker.....	6 Feb., '78	200 00	59 50	.....
Pokemouche.....	7 July, '83	Vital Lousier.....	23 June, '83	100 00	.....	.....
Richibucto.....	30 May, '73	James Alexander Jardine..	11 May, '74	200 00	102 00	.....
Rockland.....	30 May, '73	Vacant.....	.....	.....	.....	.....
Sackville.....	30 May, '73	do.....	.....	.....	.....	.....
St. Andrews.....	30 May, '73	John Wren.....	6 May, '84	100 00	64 50	.....
St. George.....	30 May, '73	Alexander Dick.....	29 Aug., '84	100 00	43 50	.....
St. Martin's and Quaco.	14 May, '74	Joseph Carson.....	14 May, '74	100 00	10 50	.....
Shediac.....	30 May, '73	Alexander McQueen.....	19 May, '76	300 00	94 00	.....
Shippegan.....	30 May, '73	John De Grace.....	10 Aug., '80	100 00	9 00	.....
Tracadie.....	7 May, '74	Vital Arceno.....	9 July, '75	100 00	2 00	.....
West Isles.....	4 Feb., '79	Thos. K. Parker.....	4 Feb., '79	200 00	1 50	.....

## PROVINCE OF NOVA SCOTIA.

Advocate.....	15 May, '80	Samuel Morris.....	10 May, '80	100 00	.....	.....
Annapolis.....	12 March, '75	William Cummings.....	16 May, '79	200 00	.....	.....
Apple River.....	14 Aug., '86	Wm. S. Tait.....	5 Aug., '86	200 00	22 50	.....
Arichat.....	22 April, '79	Francis Marmeau.....	6 May, '84	200 00	62 50	.....
Baddeck.....	23 Sept., '75	Stephen Atwater.....	15 Sept., '75	100 00	7 50	.....
Barrington.....	10 July, '82	Thos. Banks.....	23 Nov., '85	200 00	42 50	.....
Bayfield.....	11 July, '79	John McDonald.....	11 July, '79	200 00	1 50	.....
Bay St. Lawrence.....	21 April, '87	G. Zwicker.....	21 April, '87	200 00	Nil.	.....
Bear River.....	25 Sept., '74	William Fenwick Hennigar	22 Sept., '74	100 00	39 00	.....
Beaver Harbour.....	24 July, '80	Leonard Jewers, sen.....	5 July, '80	100 00	17 50	.....
Big Harbour.....	9 June, '83	Donald McKenzie.....	28 May, '83	100 00	.....	.....
Bourgeois.....	1 May, '86	E. C. Bouchie.....	19 April, '86	100 00	13 50	.....



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 1887.		Amount paid over to Receiver-General.
				\$	cts.	\$	cts.	
Bridgewater .....	6 May, '74	Joseph Robins Wyman.....	6 May, '74	100	00	42	00	.....
Bras d'Or, including New Campbelltown.	6 May, '74	Francis Dunlap.....	6 May, '74	200	00	6	00	.....
Cape Canso.....	6 June, '76	William Walsh.....	6 June, '76	100	00	63	50	.....
Cape Negro or North-East Harbor.....	18 May, '81	A. D. Perry .....	18 May, '81	200	00	41	00	.....
Chester.....	8 Sept., '83	Arch. Evans.....	4 Aug., '83	100	00	17	00	.....
Cheticamp .....	20 April, '76	Fulgence Ancoin .....	15 April, '76	100	00	3	50	.....
Clarke's Harbour .....	1 June, '81	J. B. Brannen.....	1 June, '81	200	00	21	50	.....
Clementsport.....	1 May, '77	Thomas Tracey.....	1 May, '77	100	00	14	50	.....
County Line to Grand Narrows.....	9 June, '83	Hugh Campbell .....	28 May, '83	100	00	2	00	.....
Cow Bay .....	3 March, '79	Hector McDonald .....	3 March, '79	400	00	205	50	.....
D'Escousse.....	23 Jan., '85	Philip Culliton .....	12 April, '86	100	00	32	50	.....
Digby.....	19 Feb., '78	James A. Hughes .....	19 Feb., '78	300	00	34	50	.....
East Bay.....	25 Aug., '83	Donald McInnis .....	5 April, '86	100	00	.....	.....	.....
Gaberouse .....	3 March, '79	John Wm. Hardy.....	2 Nov., '86	100	00	1	50	.....
Glasgow and Cape Breton Pier.....	30 Oct., '80	Angus McQuarrie .....	30 Oct., '80	300	00	241	00	.....
Greville.....	13 March, '80	James E. Hatfield .....	5 March, '80	200	00	12	00	.....
Halifax .....	No proclamation required by Act.....	Edward O'Bryan.....	18 March, '80	1,800	00	1,718	00	.....
Hantsport.....	27 June, '84	Edward Davison.....	27 June, '84	200	00	247	00	47 00
House Harbour .....	9 Aug., '87	Peter Bourgne.....	9 Aug., '87	200	00	.....	.....	.....
Ingonish, North Bay of	22 March, '81	William Thompson.....	24 March, '81	200	00	0	50	.....
Ingonish, South Bay of	9 Oct., '84	F. C. Brewer.....	9 June, '86	100	00	13	50	.....
International Harbour.	30 Oct., '80	Michael Neville.....	30 Oct., '80	300	00	298	50	.....
Jordan Bay .....	25 Oct., '76	Matthew Drips McKenzie...	25 Oct., '76	150	00	10	00	.....
LaHave or Getson's Cove	12 March, '75	George Henry Zwicker .....	25 Feb., '75	300	00	35	00	.....
L'Ardoise, Upper and Lower .....	22 Aug., '84	George Burke.....	29 Aug., '84	100	00	4	50	.....

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 1887.	Amount paid over to Receiver-General.
				\$ cts.	\$- cts.	\$- cts.
Lingan.....	12 July, '81	Thomas Laffin.....	12 July, '81	200 00	Nil.	.....
Liscombe .....	18 May, '81	George Crooks .....	18 May, '81	200 00	21 50	.....
Little Glacé Bay .....	3 Aug., '74	E. Douglas Rigby .....	8 May, '84	200 00	274 50	74 50
Little Narrows and Cranberry Pt. ....	9 June, '83	Norman Matheson.....	23 May, '83	100 00	3 00	.....
Liverpool .....	19 Jan., '77	Wm. A. Kenney.....	19 Jan., '77	200 00	132 00	.....
Lockeport .....	18 May, '81	E. A. Capstick.....	18 May, '81	200 00	87 50	.....
Louisburg.....	17 March, '79	Louis Dickson .....	5 Oct., '87	200 00	Nil.	.....
Lunenburg.....	3 Dec., '75	William Henry Begg .....	3 Dec., '75	150 00	80 00	.....
Mabou .....	17 July, '80	Finlay Rankin .....	23 June, '80	100 00	1 00	.....
Mahone Bay .....	16 May, '87	W. A. Pickles .....	16 May, '87	200 00	4 00	.....
McNair's Cove. ....	12 March, '75	Ronald McEachen.....	8 March, '75	150 00	.....	.....
Main à Dieu .....	31 July, '86	John Farrell.....	21 July, '86	100 00	7 50	.....
Maitland .....	26 May, '85	Jacob E. Cann .....	26 May, '85	100 00	.....	.....
Margaretsville .....	26 March, '78	Robert Earley.....	26 March, '78	100 00	.....	.....
Margaret's Bay.....	16 July, '75	Francis Peter Boutillier....	9 July, '75	100 00	43 50	.....
Margaree .....	12 June, '86	John C. Munroe .....	5 June, '86	100 00	3 00	.....
Merigomish.....	26 March, '78	W. C. Olding.....	26 March, '78	100 00	2 50	.....
Meteghan River.....	10 Feb., '83	Urbain Doucette .....	31 Jan., '83	100 00	26 50	.....
Mill's Harbour.....	9 June, '83	A. Hayman .....	28 May, '83	100 00	.....	.....
Musquodoboit .....	19 May, '82	David Williams .....	19 May, '82	100 00	.....	.....
Neil's Harbour.....	28 April, '76	Angus Buchanan.....	11 April, '76	100 00	.....	.....
New Haven .....	9 June, '83	Francis Payne.....	28 May, '83	100 00	Nil.	.....
Northport .....	27 June, '82	John Burns.....	27 June, '82	100 00	52 00	.....
Northwest Cove, Coleman's Cove and Aspotogan Harbour .....	22 Dec., '76	William Murphy .....	20 Dec., '76	200 00	Nil.	.....
Parrsboro'.....	22 Oct., '73	Edward Walter Beaty..	22 Oct., '73	200 00	199 50	.....
Petite Rivière Bridge ...	7 July, '83	Alex. D. Park .....	23 June, '83	100 00	2 00	.....
Plaster Harbour .....	6 May, '74	Donald Fraser .....	6 May, '74	200 00	.....	.....
Port George .....	1 May, '77	Chas. B. Weaver .....	1 May, '77	150 00	5 00	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts,  
&c.—Continued.

PROVINCE OF NOVA SCOTIA—Concluded.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				\$ cts.	\$ cts.	\$ cts.
Port Hawkesbury .....	16 July, '75	Daniel Henesey.....	9 July, '75	200 00	111 50	.....
Port Hood.....	16 July, '75	John Murphy, jun.....	9 July, '75	200 00	4 00	.....
Port LaTour....	14 April, '81	Wm. Nickerson.....	14 April, '81	200 00	7 00	.....
Port Lorne.....	27 March, '86	Samuel Beardsley.....	13 March, '86	200 00	2 50	.....
Port Mulgrave.....	8 March, '76	Duncan Gillis.....	23 March, '83	200 00	89 00	.....
Port Medway .....	25 June, '79	John W. Hutt .....	19 April, '84	200 00	24 00	.....
Pubnico .....	27 Sept., '82	D. Q. Amireau.....	27 Sept., '82	100 00	38 00	.....
Pugwash.....	22 Oct., '73	A. A. Stevens.....	22 Oct., '73	100 00	29 50	.....
Ritcey's Cove.....	29 Sept., '84	Joseph Ritcey.....	29 Sept., '84	100 00	48 50	.....
River John.....	26 March, '78	Henry Heighton .....	29 Oct., '79	100 00	2 00	.....
St. Ann's, including Fucher Cove.....	20 April, '81	James McKillop.....	28 May, '83	200 00	27 50	.....
St. Mary's River.....	18 May, '81	James G. Pride.....	18 May, '81	200 00	6 00	.....
St. Peter's.....	24 Jan., '81	Peter McNeill.....	17 Sept., '83	200 00	50 50	.....
Sambro.....	27 Dec., '79	Joseph Martin.....	23 Dec., '79	200 00	.....	.....
Sheet Harbour.....	14 May, '74	Malcolm McFarlane.....	6 Dec., '83	150 00	61 00	.....
Shelburne.....	27 Aug., '77	John A. McGowan, jun... ..	22 Jan., '80	200 00	165 50	.....
Ship Harbour.....	2 June, '84	Conrad Marks.....	2 June, '84	100 00	6 50	.....
Smith's Mountain.....	9 June, '83	James McGillot.....	28 May, '83	100 00	.....	.....
Tatamagouche .....	27 Feb., '78	Samuel Hingley.....	18 March, '87	200 00	3 50	.....
Tidnish .....	5 July, '82	Charles Fields.....	30 June, '84	100 00	18 00	.....
Torbay and Whitehaven	18 May, '81	O. N. Feltnate.....	18 May, '81	200 00	52 50	.....
Tusket.....	18 March, '75	Chas. W. Hatfield.....	7 March, '87	100 00	4 50	.....
Victoria Pier, Sydney..	25 July, '81	York H. Barrington.....	25 July, '84	200 00	131 50	.....
Wallace .....	22 Oct., '73	Chas. E. Kerr.....	28 July, '85	100 00	10 00	.....
West Bay.....	8 May, '84	John McInnes.....	8 May, '84	100 00	Nil.	.....
West Port.....	8 March, '87	Jos D. Payson.....	8 March, '87	200 00	Nil.	.....
Whycocomagh.....	29 Oct., '75	Neil McKinnon.....	8 Oct., '75	100 00	4 50	.....
Yarmouth.....	18 March, '75	Ebenezer Scott.....	19 Oct., '77	250 00	225 00	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts,  
&c.—Continued.

## PROVINCE OF PRINCE EDWARD ISLAND.

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 1887.	Amount paid over to Receiver-General.
				\$ cts.	\$ cts.	\$ cts.
Alberton .....	15 July, '74	George Wells.....	17 June, '74	200 00	19 50	.....
Bay Fortune.....	10 April, '75	John R. Coffin .....	29 April, '78	200 00	.....	.....
Cape Traverse.....	23 May, '84	Philip Irving.....	23 May, '84	100 00	.....	.....
Cardigan River, including Cardigan Bridge.	2 July, '78	Hercules McDonald.....	2 July, '78	200 00	.....	.....
Cardigan River, from head of river to north bank Mitchell River..	2 July, '78	Allan Campbell.....	14 June, '83	200 00	.....	.....
Cove Head.....	15 May, '80	Jas. D. McMillan.....	15 May, '80	100 00	.....	.....
Charlottetown.....	15 July, '74	David Small.....	17 June, '74	400 00	220 50	.....
Crapaud .....	15 July, '74	Wesley Myers.....	17 June, '74	200 00	4 00	.....
Egmont.....	15 July, '74	Alexander McArthur .....	17 June, '84	200 00	.....	.....
Georgetown .....	15 July, '74	Samuel Hemphill.....	1 Dec., '87	200 00	4 50	.....
Grand River.....	10 April, '75	Ronald S. McDonald.....	10 April, '75	200 00	.....	.....
Grand River, down to and including Poplar Point and Chapel Wharf.....	10 April, '75	John McMullen.....	16 May, '79	200 00	.....	.....
Hillborough River.....	24 March, '81	John Kelly.....	24 March, '81	200 00	.....	.....
Malpeque.....	10 July, '74	Alex. Thomson.....	5 April, '87	200 00	27 00	.....
Miminegash.....	17 April, '80	Richard McElroy.....	12 April, '80	100 00	0 50	.....
Montague Bridge.....	15 July, '74	Daniel C. Campbell.....	17 June, '74	200 00	5 00	.....
Murray River.....	15 July, '74	Hugh McKay.....	8 May, '84	200 00	14 50	.....
Murray Harbour.....	15 July, '74	Wm. Millar.....	17 June, '74	200 00	.....	.....
New London.....	15 July, '74	George Mackenzie .....	17 June, '74	200 00	3 50	.....
North Pinette.....	15 July, '74	Neil McLeod.....	17 June, '74	200 00	.....	.....
Port Hill.....	15 July, '74	James Ellis.....	17 June, '74	200 00	2 00	.....
Pownal.....	10 July, '79	A. A. Moore.....	10 July, '79	100 00	1 00	.....
Rollo Bay.....	10 April, '75	L. D. Chaisson.....	28 July, '85	200 00	Nil.	.....
Rustico .....	17 May, '75	Geo. W. McKay.....	12 April, '81	200 00	4 00	.....
St. Peter's Bay.....	10 April, '75	Vacant.....	.....	.....	.....	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts,  
&c.—*Concluded.*PROVINCE OF PRINCE EDWARD ISLAND—*Concluded.*

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1887.	Amount paid over to Receiver-General.
				\$ cts.	\$ cts.	\$ cts.
Souris, East and West..	10 April, '75	John McCormack.....	25 April, '79	200 00	84 50	.....
Summerside.....	15 July, '74	Ronald Campbell.....	17 June, '74	200 00	3 50	.....
Tracadie.....	17 May, '75	Donald Campbell.....	31 Jan., '81	200 00	Nil.	.....
Tryon.....	12 April, '77	Alexander Howatt.....	12 April, '77	200 00	Nil.	.....
Vernon River Bridge....	19 May, '74	John Finlay.....	9 Oct, '84	200 00	3 50	.....
West River.....	17 May, '75	Vacant.....	.....	.....	.....	.....

## PROVINCE OF BRITISH COLUMBIA.

Burrard Inlet.....	4 Dec., '76	Isaac Johns.....	4 Dec., '76	400 00	313 50	.....
Nanaimo.....	10 April, '75	E. Quennell.....	24 Oct., '84	500 00	510 50	10 50
New Westminster.....	23 Jan, '80	Jas. N. Draper.....	18 Aug., '86	400 00	24 00	.....
Quadra.....	17 April, '77	John Kenny.....	17 April, '77	300 00	.....	.....
Victoria and Esquimalt	20 March, '75	W. R. Clarke.....	23 March, '81	600 00	289 50	.....

WM. SMITH,  
*Deputy Minister of Marine.*

OTTAWA, 1st January, 1888.

## APPENDIX No. 11.

REPORT OF THE PILOTAGE DISTRICT OF MONTREAL, FOR THE  
CALENDAR YEAR ENDED 31st DECEMBER, 1887.

HARBOUR COMMISSIONERS OF MONTREAL,

SECRETARY'S OFFICE,

MONTREAL, 23rd January, 1888.

SIR,—I have the honor, by direction of the Harbour Commissioners of Montreal, as the Pilotage Authority, to transmit, for the information of the Honorable the Minister of Marine and Fisheries, the annual report of the Pilotage District of Montreal, for the year ended the 31st December, 1887.

By By-law the number of active licensed Pilots is at present forty-five.

On the 20th May, Messrs. Gédéon Groleau, of Grondines, and Nérié Belisle, of Deschambault, were licensed as pilots to fill vacancies on the list, caused by the superannuation of Pilot Adolphe Lisé at end of 1886, and the continued absence of Pilot Damase Caien whose whereabouts were unknown. The latter on 31st August was again allowed to resume piloting, which accounts for the list showing 46 names, besides that of the Superintendent.

There were no deaths or superannuations of pilots during the year, and there was no increase in the number of apprentice pilots.

Messrs. Liboire Perrault and Wilfred Raymond passed their examination in May, 1884, and will be licensed when vacancies occur.

The following is a list, giving the name and age of each Branch Pilot for and above the Harbour of Quebec, acting under the authority of the Harbour Commissioners of Montreal, with the earnings of each for the season of 1887:—

No.	Name.	Age.	Earnings.		Remarks.
			\$	cts.	
1	Léveillé, Joseph .....	70			Superintendent of Pilots.
2	Bouillé, Zepherin.....	59	1,432	50	
3	Béllisle, Cyrille.....	60	692	77	
4	Raymond, George .....	58	892	57	
5	Naud, Augustin.....	61	856	25	
6	Bellisle, H. A.....	57	534	81	
7	Dufresne, A.....	54	1,336	37	
8	Gagnon, Pierre.....	60	1,203	11	
9	Bellisle, George .....	48	505	85	
10	Naud, Onésime.....	47	1,558	63	
11	Hamelin, J. O.....	54	1,513	75	
12	Chandonnet, Jos.....	47	1,716	46	
13	Bouillé, Louis A.....	48	1,128	65	
14	Beandet, Prudent.....	46	1,629	02	
15	Bellisle, Elzéar.....	53	561	80	
16	Pleau, Joseph.....	50	860	56	
17	Brunet, Célestin.....	45	1,702	72	
18	Bellisle, Louis.....	42	1,685	60	
19	Caien, Damase.....	47	268	75	Suspended on 20th May, pending enquiry; reinstated 31st Aug.

LIST giving the Name and Age of each Branch Pilot, &c.—*Concluded.*

No.	Name.	Age.	Earnings.	Remarks.
			\$ cts.	
20	Groleau, Urbin .....	40	702 58	
21	Frenette, Alfred .....	48	1,091 55	
22	St. Armand, Alfred .....	44	555 40	
23	Bélanger, Phillipe .....	49	1,058 12	
24	Gagnon, Victor .....	49	672 09	
25	Perrault, Narcisae .....	50	1,680 18	
26	Toupin, Trefé .....	40	629 74	
27	Auger, Oléophas .....	41	1,614 80	
28	Desjordy, François .....	43	573 79	
29	Labrauche, Ferdinand .....	42	1,181 73	
30	Perrault, David .....	46	1,298 12	
31	Gauthier, Alexis .....	41	1,215 56	
32	Bouillé, L. Z .....	39	1,383 29	
33	Toupin, Joseph .....	38	1,666 36	
34	Gauthier, Laurent .....	38	1,567 64	
35	Arcand, Jean .....	35	976 50	
36	Nault, Delovoie .....	36	1,859 11	
37	Gauthier, Wilbrod .....	36	1,382 44	
38	Mayrand, Louis .....	40	707 56	
39	Dufresne, George .....	39	776 19	
40	Arcand, Nestor .....	32	1,181 50	
41	Arcand, Norbert .....	35	1,020 77	
42	Toupin, Uldoric .....	33	774 54	Suspended on 15th Nov. till 30th Nov., 1888.
43	Bouillé, Tancrede .....	34	923 87	
44	Nault, John .....	31	1,433 10	
45	Dussault, Joseph .....	32	1,465 82	
46	Groleau, Gédéon .....	33	610 82	
47	Bellisle, Néré .....	34	487 68	
	<b>Total</b> .....		50,589 02	

The foregoing amount was received from the following services, viz. :—

*British.*

Steamers .....	\$37,951 54	
Sailing vessels .....	6,104 29	
		\$44,055 83

*Foreign.*

Steamers .....	\$ 2,916 69	
Steamers in coal trade .....	2,862 57	
Sailing vessels .....	733 93	
		6,513 19
<b>Total</b> .....		\$50,569 02

The following list shows the name, age, and residence of each apprentice pilot serving his time under the authority of this Trust:—

No.	Name.	Age.	Residence.
1	Lebovir Perrault .....	38	Deschambault.
2	Wilfred Raymond.....	33	do
3	Alphonse Cossette .....	39	Champlain.
4	Hubert Perrault .....	38	Montreal.
5	Audilon Portelance.....	34	Grondines.
6	Joseph Hurteau.....	27	Contrecoeur.
7	Adolphe Richard.....	39	do
8	Joseph Langlois.....	32	Pointe aux Trembles ( <i>en bas</i> ).
9	Edouard Perrault.....	57	Deschambault.
10	Lydoric Bouille.....	30	do
11	Elié Bouillé.....	28	do
12	N. Edson Angers.....	37	do
13	Honore Dusseau.....	34	do
14	Narcisse Paquet.....	33	do
15	Jean Baptiste Nadeau.....	29	Lévis.
16	Arthur Briève.....	30	Portneuf.
17	Aubert Naud.....	33	Deschambault.
18	J. Sifroy Labranche.....	31	Portneuf.
19	Alexis Perrault.....	25	Deschambault.

Of the above several are believed to have left the country and several to have given up serving their apprenticeship.

The list will probably be revised and new names added during 1888.

There will also likely be an examination for apprentices who have fulfilled all the requirements of the by-laws.

There were during the season several casualties to vessels, and the Commissioners were called together to investigate the following ones, complaints having been made against the several pilots in charge by the masters of the different vessels.

The particulars of these are as follows:—

On 27th July, Pilot Hubert Bellisle was summoned to answer a charge by Capt. G. W. Hunter, of the SS. "Cotharstone," that he had caused this vessel to strike at Cap Charles on the 17th June, and to ground below Longue Pointe on the 18th June, on her passage from Quebec.

Having heard the evidence and considered the same, the Board agreed to dismiss the complaint, there being no evidence to establish any neglect of duty on the part of the pilot.

On 1st August on the complaint of Capt. Lindall, an investigation was held into an accident to the SS. "Vancouver" on 26th June, in the vicinity of Cap Charles. Pilot Ferdinand Labranche was charged with having caused her to touch the ground heavily, from which she had received serious damage.

In this case also the Board adjudged that the charge against the pilot respondent made by the complainant was not sustained by the evidence and that the complaint be dismissed.

On 12th August the Board again met to consider the grounding of the SS. "Bonnington" opposite Varennes on 4th August, while in charge of Pilot Gédéon Groleau.

Having heard Capt. Burkill's statement and the evidence of others, the decision was "that the pilot was blameable but there being no sworn complaint against him, the Commissioners could not proceed further."

On 15th November an investigation was held into the grounding of the SS. "West Cumberland" on the 9th instant, nearly opposite Ste. Croix, and then at Grondines.



The complaint against Pilot Uldorie Toupin, who was in charge, was that he had been guilty of a breach and dereliction of his duty, and had caused the said vessel serious damage.

The evidence was taken under oath, and the respondent was represented by counsel.

The case having been deliberated upon, it was decided that the pilot was guilty and should be suspended until the 30th November, 1888.

The following is the tariff of pilotage now in force in the Pilotage District of Montreal:—

Quebec to Montreal and <i>vice versa</i> .	Upwards.		Downwards.	
	\$	cts.	\$	cts.
Pilotage of vessels in tow of steamers, for each foot of draft of water.....	2	00	2	00
Pilotage of vessels propelled by steam, for each foot of draft of water.....	2	50	2	50
Pilotage of vessels under sail, for each foot of draft of water.....	4	20	2	80
Moving a vessel from one wharf to another, in the harbour of Montreal, or from foot of St. Mary's Current into the harbour.....	5	00	5	00

The amount received by the Harbour Commissioners as the Pilotage Authorities of the District, was as follows:—

For poundage, 5 per cent. on the earnings of pilots.....	\$2,507	24
do Three Rivers, 1887.....	74	83
do Sorel, 1886 and 1887.....	46	20
For sundry poundage.....	17	92
For interest on investments.....	2,399	32
	<u>\$5,045</u>	<u>51</u>

The disbursements for pensions to old and infirm pilots, and widows of pilots were \$3,070.53.

I have the honor to be, Sir,

Your obedient servant

ALEXANDER ROBERTSON.

*Secretary.*

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

## REPORT UPON THE MAINTENANCE OF BUOYS AND BEACONS ON THE SHIP CHANNEL BETWEEN MONTREAL AND QUEBEC FOR 1887.

MONTREAL, 31st January, 1888.

DEAR SIR,—I beg to report as follows upon the maintenance of the buoys and beacons of the ship channel between Montreal and Quebec during the navigation season of 1887.

The buoys and beacons were, as usual, maintained by the Commissioners' officers and steamers, but with some little change in the arrangement of the service.

In maintaining the buoys in recent years it has been customary to take a steamer off the Commissioners' dredging fleet, at intervals throughout the summer, and make a tour of all the buoys, taking several days to the trip, and repairing or changing any buoys that require it; and then to allow them to stand with as little

work as possible till the next general tour. In consequence of the dredges of the ship channel being now worked night and day, instead of only by day as before, this could not be continued without seriously delaying the dredges. To avoid such delay, as well as to render the buoy maintenance more efficient by making the repairing more nearly continuous, the system has been somewhat changed. The buoy service has been more completely combined with the surveying and testing of the channel by arranging that the engineers in charge of the latter shall also maintain the buoys, and that in their running up and down the channel, for any purpose, the condition of the buoys should always be carefully watched and any needed repairs or adjustments promptly made.

Any of the Commissioners tugs have also been called upon for extra service as needed, the maintenance of the buoys always having precedence of other work.

The arrangements as regards boats, though not all that could be desired, is the best which circumstances would allow, and it has resulted in the buoys being put into very good order early in the summer, and their being maintained in excellent condition till the close of navigation.

Derangements and damages were very frequent, but repairs were, as a rule, promptly made; two or even three steamers having been called to work simultaneously at different parts of the river when needed.

Besides the continual inspection of buoys by the surveying steamers in passing up and down the river, an aggregate of over a thousand stops were made for adjustments, repairs, replacing &c., making an average of nearly four workings to every buoy throughout the summer.

On the 3rd of May, or as soon as the floating ice permitted, two steamers were sent out to commence setting the buoys, one taking the part of the river above Sorel and the other the part below. By the 4th of May such buoys were set as are necessary to enable the first ships to reach Montreal safely in the high water of spring, and in a few days later all the usual buoying of the channel was completed.

The next heavy part of the work occurred in June and July, when over half of all the wooden buoys in the river were taken up in turn and replaced by larger ones, floating higher and showing better. Others at the more important places, such as at ends of curves, were replaced by large iron buoys.

At Pouillier Rayer, a newly dredged channel, running straight through the shoal from Cap à la Roche to Cap Charles, was buoyed out and opened to navigation on 13th July.

At the head of Lake St. Peter, a change in the line of channel, giving better water was made on 14th October and new buoys were placed to mark it out. Several new buoys have also been set in other places, to mark out shoals found in surveying, or in accordance with suggestions from experienced pilots.

In all fourteen buoys have been added to those of former years. Twelve screw anchors, with buoys attached, were carefully put down in Lake St. Peter last winter in order to secure accuracy of alignment in the channel and to facilitate the placing of the other buoys in summer.

The "balizing" of the spar buoys (or putting of bushes on them) to make them more conspicuous in the autumn smoke and fog, was commenced on 9th August, and the balizes were maintained during the remainder of the season.

The large shore beacons at Grondine Point, upper Grondine line and Sainte Anne de Sorel were renewed, and several others were repaired and painted.

The taking up of such buoys as could be spared before the close of navigation was commenced on 20th November. The general taking up of the buoys was commenced on the 28th November, on which the last ocean vessel passed down, and was finished on the 30th; three steamers being employed in the work.

The number of buoys in use in the channel near the close of navigation was:—

Spar buoys—wooden.....	177
Cone and cylinder buoys—steel and iron.....	35

Total.....	212
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The stock of wooden buoys ashore in reserve has been largely increased, so that there may be always on hand a sufficient number of large buoys being dried out to replace those becoming waterlogged by use.

The spare buoys now on hand are :—

Spar buoys—cedar.....	266
Cone and cylinder buoys—steel and iron .....	4
<b>Total .....</b>	<b>270</b>

The cost of the service for 1887 was \$13,669, which is much higher than that of recent years, by reason of the changes and improvements made and the increased number of buoys in use and in reserve.

The comparison is as follows :—

1884 .....	\$ 8,199
1885 .....	10,337
1886 .....	7,624
1887 .....	<u>13,669</u>

Appended are abstract tables of details connected with the service.

Yours respectfully,

JOHN KENNEDY,

*Chief Engineer.*

ALEXANDER ROBERTSON, Esq.,  
Secretary Harbour Commissioners of Montreal.

ABSTRACT of Steamers' time employed in the Maintenance of Buoys and Beacons during season of 1887.

Months.	TIME OF SERVICE.			Remarks.
	Buoys. Days.	Beacons Days.	Total days.	
May.....	25½	3½	28½	Commenced placing buoys 3rd May.
June.....	12½	.....	12½	
July.....	16½	.....	17½	
August.....	16½	1½	18½	
September.....	12½	.....	12½	
October.....	9½	.....	9½	Finished taking up buoys 30th November.
November.....	17½	½	18	
<b>Totals.....</b>	<b>110½</b>	<b>6</b>	<b>116½</b>	

STEAMERS employed in the Maintenance of Buoys and Beacons, and service of each.

Name of Steamer.	TIME OF SERVICE.			Remarks.
	Buoys. Days.	Beacons Days.	Total days.	
St. James .....	72 $\frac{3}{4}$	2 $\frac{1}{2}$	75 $\frac{1}{4}$	Working season from 2nd May to 30th November, 184 days, not including Sundays.
McNaughton.....	3	.....	3	
John Pratt.....	26 $\frac{1}{2}$	3 $\frac{1}{2}$	29 $\frac{3}{4}$	
St. Francis.....	5 $\frac{1}{2}$	.....	5 $\frac{1}{2}$	
St. Peter.....	1 $\frac{1}{2}$	.....	1 $\frac{1}{2}$	
St. Louis.....	1 $\frac{1}{2}$	.....	1 $\frac{1}{2}$	
Totals.....	110 $\frac{1}{2}$	6	116 $\frac{1}{2}$	

TABLE showing number of Buoys on the Ship Channel, near the close of navigation and details of work of maintenance for season of 1887.

Locality.	Number of Buoys.		NUMBER OF TIMES WORKED AT.							Totals.
	Wood.	Iron.	Entirely lost and replaced by another buoy.	Found lying flat and replaced by another buoy.	Found too low and replaced by another buoy.	Ballast adjusted.	Found dragged out of position and corrected.	Balized.		
Pointe aux Trembles ( <i>en bas</i> ) to Three Rivers	38	18	10	6	19	15	9	71	251	
Three Rivers to Sorel .....	65	6	11	15	63	26	11	124	392	
Sorel to Montreal .....	74	11	7	5	57	15	11	141	423	
Totals .....	177	35	28	26	139	56	31	336	1,066	

TABLE showing new Buoys placed in entirely new positions during season of 1887.

Date.	Locality.	Number of buoys.	Colour.	Description.	Remarks.
May 21	Head of Richelieu Rapids	1	Red .....	Iron .....	Temporary buoy in place of balizes.
July 13	Pouillier Rayer.....	3	Black .....	do .....	New channel.
do 13	do .....	1	Red .....	do .....	do
do 18	Bécancour .....	1	Black .....	Wood .....	Lower end of channel.
do 21	Pouillier Rayer.....	1	Red .....	do .....	New channel.
do 29	Bécancour .....	1	Black .....	do .....	Upper end of channel.
Sept. 8	Pouillier Rayer.....	1	Red .....	do .....	New channel.
do 19	Nicolet Traverse.....	1	do .....	do .....	Opposite English Bank.
Oct. 4	Lake St. Peter.....	2	Black .....	do .....	Between Stone Island and head of Ile aux Raisin Traverse.
do 10	Nicolet Traverse.....	1	do .....	do .....	Between English Bank and No. 3 Lightship.
do 26	Nicolet.....	1	do .....	do .....	Between Iron Shoal and Force Shoal.

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 APPENDIX No. 12.
 

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 REPORT OF THE QUEBEC HARBOUR COMMISSIONERS AS PILOTAGE  
 AUTHORITY FOR THE YEAR, 1887.

QUEBEC, 10th January, 1888.

SIR,—In compliance with the requirements of Section 24, of the "Pilotage Act," 36th Victoria, Chapter 54, I have the honour to submit the following report of the Quebec Harbour Commissioners as Pilotage Authority for the year 1887.

The operations of the year opened on the 27th April by the departure of nine pilots who were dispatched *vid* the Intercolonial Railway for the purpose of boarding, at Bic, the pilot schooner No. 4, which had wintered there. On the 3rd May six pilots left by the same conveyance to board the same schooner at Rivière du Loup Wharf. On the same day Schooner No. 5 left Quebec with twenty-one pilots and was followed on the 6th of the same month by Schooner No. 1 with thirty pilots. During the remainder of the month fifty-one pilots were conveyed by the cars to Rivière du Loup for the purpose of boarding the schooners.

As heretofore, all the pilot stations have been supplied with pilots during the season through the Intercolonial Railway and the pilot schooners, and the service has been performed to the satisfaction of the Commissioners.

## OLD PILOTS.

Under section 36 of the "Pilotage Act" all the old pilots, thirty in number, who had attained the age of 65 and over were brought before the Pilotage Authority before the opening of navigation, in order to establish whether they could or could not continue in the exercise of their duties for the ensuing year. They were all found able to perform their duties and their licenses were consequently renewed for one year.

## PENSION LIST.

Three pilots, Charles Nolet, Charles Dumas and François Noël, have been pensioned during the year at their own request. On being superannuated Nolet had reached the age of 83 and had been in active service during 56 years. Dumas had attained his 71st year and had exercised his duties for the space of 48 years, and Noël had completed his 77th year and had been 47 years in active service.

## TRIALS.

Five pilots have been tried during the season of navigation on complaints lodged by ship masters, one on complaint lodged by the Corporation of Pilots, and one under 45th Victoria, chapter 32, section 4.

One of the statements accompanying this report conveys all the particulars as to the nature of the complaint and the result of the trial in each case.

 SURVEY OF THE NORTH AND SOUTH CHANNELS OF THE ST. LAWRENCE BY THE  
 APPRENTICE PILOTS.

The trial held last fall, of the Pilot Arthur Bouffard for grounding the SS. "West Cumberland" near St. Paul's Bay, has superabundantly proved that the Commissioners were exercising a strict duty in persisting since many years, in placing before your Department the question of reviving the old practice of sending the

apprentice pilots on a survey of the north and south channels of the St. Lawrence, within pilotage limits. During the trial the apprentice pilot Dallaire, who was on board the steamer when she grounded, has declared under oath that he had never been in the north channel, although he has been serving his apprenticeship since the 30th March, 1881.

Subsequently the Commissioners were compelled, as already reported to your Department, to refuse to license two apprentices for the reason that they had declared that they had never surveyed this channel. This question has been the subject of the letter addressed to your Department on the 2nd November. The reply to the same has been received with great satisfaction, by which the Commissioners have informed that a certain number of apprentice pilots, in conformity with request made by them, had been allowed a passage on the Government steamer "Druid," when she went through the north channel, last fall, to raise the buoys.

The Commissioners are therefore more confident than ever that your Department will help them in having the grievance complained of redressed, and they believe that the question would be solved if the apprentices were allowed, each spring and fall, to accompany the officials to whom is intrusted the duty of placing and raising the buoys of both channels.

#### COMPLAINTS AGAINST THE PILOTAGE SERVICE.

Three complaints against the pilotage service have been lodged during the year; the first by the master of the barque "Plymouth Rock," the second by the master of the barque "Peruvienne," and the last by the Council of the Montreal Board of Trade, the same having reference to the SS. "Katie" which had been delayed at Father Point for fourteen hours.

The two first mentioned complaints have been thoroughly investigated but the last one, for want of specific charge, could not be investigated.

A copy of the correspondence exchanged in connection with the complaints in question is annexed to the present report.

#### MADAM ISLAND SHOAL MARKED BY A GAS BUOY.

The Commissioners have been greatly satisfied to learn that your Department has put into effect their recommendation to have Madam Island Shoal marked by a gas buoy. This last buoy completes the number advocated in 1881 by them and a majority of the sea pilots.

The gas buoy system of the St. Lawrence is a matter of great satisfaction to the Commissioners and amongst all those connected with the navigation of the St. Lawrence.

#### LOWER TRAVERSE LIGHTSHIP.

The trial of the pilot Joseph Plante for the grounding, on the afternoon of the 29th of April, of the SS. "Barcelona" in or near the Traverse, has proved the necessity of having the Lower Traverse lightship placed in position as early as possible at the opening of navigation and in time to signal the danger to the first incoming vessels.

This matter has been the subject of the communication, addressed the 27th May, to your Department, and the Commissioners most respectfully recommend that, for the future, means will be taken, if possible, to send the lightship in time to be placed in position before the first inward vessel will have reached that place.

#### DEATHS.

Two pilots have died during the year: the first, Pierre S. Laprise, was one of the directors of the Corporation, had attained his 44th year and had been in active service for the space of twenty years, and the other, Alexis Vézina, who was drowned, had reached his 37th year and had served only nine years.

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DIRECTORS OF THE CORPORATION OF PILOTS.

At their annual meeting held on the 10th December, the pilots elected the following directors to their Corporation for the ensuing year :—Messrs. Abel Bernier, Joseph Fortier, Louis E. Morin, Onésime Noël, Laurent Godbout and Adjutor Bailargeon, and at a meeting of the newly elected directors, held on the 12th same month, Mr. Joseph Fortier was elected president.

The accompanying annexures contain all the information yearly conveyed to your Department by the Commissioners in their capacity of Pilotage Authority.

I have the honor to be, Sir,

Your obedient servant,

A. H. VERRET,

*Secretary-Treasurer.*

To the Honorable GEO. E. FOSTER,  
Minister of Marine and Fisheries, &c., &c., &c.  
Ottawa.

## QUEBEC HARBOUR COMMISSION.

STATEMENT of Trials held during the Year 1887 before the Quebec Harbour Commissioners, under the Authority of the Pilotage Act 36 Vic., chap. 54.

Names of Pilots Tried.	Nature of Complaints.	Dates of Trials.	Result.
Joseph Plante .....	For having, on the afternoon of the 29th April, grounded the ss. "Barcelona" in or near the Traverse.	21st May .....	Acquitted.
Louis Fontaine.....	For having, on the morning of the 30th June, grounded the ss. "Roraima" at Brandy Pots.	9th and 11th July.	Found guilty, and suspended for the remainder of the season of navigation.
Pierre Lemieux.....	For having, on the morning of the 18th July, grounded the ss. "Granuholme" off Kamouraska.	29th July.....	Found guilty, and suspended for the space of 20 calendar months; judgment carried in appeal before Superior Court; appeal dismissed and judgment confirmed.
David Dumas.....	For having, on the 28th July, collided the ss. "Oholmley" with the ss. "Straits of Gibraltar" about the Pilgrims.	10th Aug. ....	Found guilty, and suspended for the remainder of the season of navigation.
Théodule Pepin dit Lachance.	For having, on the 23rd June, insulted one of the directors of the Corporation of Pilots.	17th and 24th Aug.	Found guilty, and fined \$20 and costs.
David Arthur Bufford..	For having, on the 13th Sept., grounded the ss. "West Cumberland" near St. Paul's Bay.	24th Sept. and 6th Oct.	Found guilty, and suspended for the space of nine calendar months.
Hubert Raymond (tried under 45 Vic., chap. 32, sec. 4).	For having, during the night of the 15th and 16th Oct., whilst in charge of ship "Loyal," collided the said ship with the Lower Traverse Lightship.	27th Oct., 4th and 29th Nov. and 6th Dec.	Acquitted, the Commissioners being, however, of opinion that, under the circumstances, the defendant Raymond, might have carried less sail on his ship.

Certified.

A. H. VERRET,  
Secretary-Treasurer.

HARBOUR COMMISSIONERS OFFICE,  
QUEBEC, 10th January, 1883.



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 APPENDIX No. 13.
 

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 REPORT OF THE PILOTAGE AUTHORITY OF ST. JOHN, N.B., FOR THE  
 CALENDAR YEAR ENDED 31st DECEMBER, 1887.

 OFFICE OF PILOTAGE AUTHORITY,  
 DISTRICT OF ST. JOHN, 4th January, 1888.

 SIR,—I have the honour to hand you herewith our annual returns for pilotage  
 for this District, for the year ended the 31st December, 1887.

I have the honour to be, Sir,

Your obedient servant,

J. U. THOMAS,

*Secretary.*

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

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## RECEIPTS and Expenditures for the year 1887.

*Receipts.*

Licenses to 34 pilots at \$5.....\$	170 00	
do 6 pilot boats, at \$10.....	60 00	
25c. per foot on outward pilotage from Port of St. John to date.....	1,926 87	
25c. per foot on outward pilotage from Port of Musquash to date .....	18 25	
Outward pilotage schooner "Eagle" .....	7 00	
Interest on Dominion Savings Bank deposits 12 months to 1st July, 1887.....	251 04	
		<u>\$2,433 16</u>

*Expenditures.*

Pensions to 3 pilots.....\$	340 00	
do 7 widows.....	616 00	
do 2 children.....	40 00	
J. A. McMillan, account, printing, &c.....	22 75	
Auditing accounts for 1886.....	25 00	
Office rent, one year.....	100 00	
Salary, secretary-treasurer, one year to date	800 00	
Interest deposited in Dominion Savings Bank.....	251 04	
		<u>\$2,194 79</u>
By balance.....		238 37
		<u>\$2,433 16</u>

**RETURNS of Vessels entering and leaving the Port of St. John, subject to pilotage, for the year 1887.**

Schooners .....	376	
Brigs and brigantines.....	57	
Barks and barkentines.....	106	
Ships .....	24	
Steamers .....	39	
<b>Total .....</b>	<b>602</b>	
Amount of pilotage received.....		<u>\$23,234 86</u>

*British.*

Schooners.....	98	
Brigs and brigantines.....	48	
Barks and barkentines.....	85	
Ships .....	19	
Steamers .....	23	
<b>Total.....</b>	<b>273</b>	
Amount of pilotage received.....		<u>\$12,451 04</u>

*Foreign.*

Schooners ....	278	
Brigs and brigantines.....	9	
Barks and barkentines.....	21	
Ships .....	5	
Steamers .....	16	
<b>Total.....</b>	<b>329</b>	
Amount of pilotage received.....		<u>\$10,783 82</u>

**RATES of pilotage in force 31st December, 1887, for the Pilotage District of St. John, N.B.**

*On all Sailing Vessels.*

Inward:—1st District.....	\$1 50	per foot draught of water.
2nd do .....	1 75	do do
3rd do .....	2 25	do do
Outward:—To Partridge Island.....	1 25	do do
Down the Bay (not compulsory).....	2 00	do do

**TRANSPORTING.**

100 tons and under.....	\$1 50
Over 100 tons and under 200 tons.....	2 00
do 200 do do 300 do .....	3 00
do 300 do do 400 do .....	4 00

and 25 cents additional for every fifty tons such vessel may measure over 400 tons.

*On all Steamers.*

Inward:—1st District.....	\$2 00	per foot draught of water.
2nd do .....	2 50	do do
3rd do .....	3 00	do do
Outward:—To Partridge Island.....	1 75	do do
Down the Bay (not compulsory).....	2 75	do do

TRANSPORTING.

100 tons and under.....	\$2 00
Over 100 tons and under 200 tons.....	2 50
do 200 do do 300 do .....	3 75
do 300 do do 400 do .....	5 00

and 30 cents additional for every fifty tons such steamer may measure over 400 tons.

Pilots Licensed for the Pilotage District of St. John, for the Year 1887.

Name.	Age.	Residence:	Remarks.
Patrick Traynor .....	61	St. John, N.B.....	
Thomas Traynor .....	34	do .....	
Samuel Rutherford .....	55	do .....	
Edward J. Fletcher.....	60	do .....	
Joseph Doherty.....	41	do .....	
John L. C. Sherrard .....	53	do .....	
James Doyle .....	51	do .....	
Henry Spears.....	36	do .....	
John Thomas.....	39	do .....	
James Murray.....	46	do .....	
Henry Thomas.....	56	do .....	
John Sproul.....	51	do .....	
Richard Scott.....	36	do .....	
Patrick Conlin.....	37	do .....	
James Reid.....	41	do .....	
John Spears.....	38	do .....	
Charles Daley.....	51	do .....	
William Lahey.....	58	do .....	
Ricnard Cline.....	62	do .....	
James McPartland.....	53	do .....	
James S. Spears.....	42	do .....	
Thomas J. Stone.....	34	do .....	
James E. Mantle.....	41	do .....	
Robert Thomas.....	46	do .....	
William Quinn.....	40	do .....	
Philip G. Doody.....	47	do .....	
Daniel Mulherrin.....	61	do .....	
Wm. Miller.....	36	do .....	
Alfred Cline.....	30	do .....	
William Scott.....	31	do .....	
Bartholomew Rogers.....	30	do .....	
James Bennett.....	30	do .....	
Martin Spears.....	30	do .....	
John McAnulty.....	49	Musquash, N.B.....	Licensed for Musquash only.

J. U. THOMAS,  
Secretary.

**APPENDIX No. 14.**

**REPORT OF THE PILOTAGE AUTHORITY OF BATHURST, N.B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.**

STATEMENT of number of Vessels brought from and taken to Sea by each Pilot, and amount of Fees collected, Season of 1887.

Pilot's Name.	Foreign Vessels Inward.		Foreign Vessels Outward.		British Vessels Inward.		British Vessels Outward.		Total Vessels.	Total Fees.	Remarks.
	No.	Fees.	No.	Fees.	No.	Fees.	No.	Fees.			
Timothy Daly.....		\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	
Wm. H. Daly.....											
Fred. Ronalds.....	26	396 00	28	503 20	4	46 00	3	38 00	32	983 20	{ Pilots are all in partnership.
Fabien Hachey.....											
Nazaire Hachey.....											

EDWARD HICKSON,  
*Secretary.*

BATHURST, December, 1887.

## APPENDIX No. 15.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF  
MIRAMICHI, N.B., FOR THE YEAR ENDED 31ST DECEMBER, 1887.

NEWCASTLE, MIRAMICHI, N.B., 7th January, 1888.

SIR,—I have the honour to hand you herewith the Pilotage Returns for the  
Miramichi District, N.B., for the year ended 31st December, 1887.

I am, Sir,

Your obedient servant,

R. R. CALL,

*Sec.-Treas. Pilotage Commissioners.*WM. SMITH, Esq.,  
Deputy Minister of Marine,  
Ottawa.PILOTAGE Returns for the Pilotage District of Miramichi, N.B., Year ending  
31st December, 1887.

No.	Names of Pilots.	Ages.	For what Licensed.	Remarks.
2	Louis Jimmo.....	33	Full license.	
4	Angus McEachran .....	68	do	
5	Mitchell Martin .....	58	do	
6	Francis Martin .....	53	do	
7	Maxime Martin.....	42	do	
9	Angus McLean .....	54	do	
10	Alexander Wilson.....	41	do	
11	Robert J. Walls.....	36	do	
12	George Savoy.....	43	do	
13	Reuben Nowlan .....	43	do	
14	John McEachran .....	37	do	
15	Charles McLean .....	48	do	
20	Oliver Foster .....	46	do	
22	William Walls.....	33	do	
23	William Tait.....	64	do	
24	Allan McEachran, sen.....	53	do	
26	John McCullam .....	35	do	
27	James Nowlan .....	36	do	
28	Dudley P. Walls.....	41	do	
29	George Sutton.....	36	do	
30	James A. Nowlan .....	31	do	
31	George T. Tait.....	30	do	
32	Joseph Jimmo, jun .....	32	do	
33	James McCullam.....	43	do	
34	Allan McEachran, jun.....	28	do	
35	John Martin .....	28	do	
36	Asa Walls .....	28	do	
37	William Walls, jun .....	30	do	
38	John Nowlan.....	31	do	
39	Patrick Nowlan.....	28	do	

Rates of pilotage chargeable at Miramichi, N.B., on all vessels, British or foreign:—

When inward bound.....	\$2 25 per foot.
And for all vessels propelled wholly or in part by steam in addition to above.....	0 02 per ton, net.
When outward bound.....	2 00 per foot.

For the removal and moving—

Vessels not exceeding 100 tons.....	1 50
do do 200 do .....	2 00
do do 300 do .....	3 00
do exceeding 300 tons .....	4 00

And where the distance of removal exceeds four miles, 50 per cent. to be added to above rates.

For every vessel taken to sea after 1st of November, a bonus of \$4.00.

#### LIST OF PILOT BOATS LICENSED.

No.	Name of Pilot Boat.	Tonnage.	Name of Captain.	When first Licensed.	When last Licensed.
11	May Queen .....	22.50	A. McEachran, jun ...	May, 1878.....	May, 1887.....
13	Two Brothers.....	25	G. T. Tait.....	do 1878.....	do 1887.....
14	Empress .....	25.57	Maxime Martin .....	do 1878.....	do 1887 .....
15	Princess Louise.....	20.85	Robert J. Walls.....	do 1879.....	do 1887.....

Nationalities of vessels piloted inwards during the year 1887:—

British.....	46
Norwegian and Swedish .....	57
Italian.....	20
German.....	2
French .....	6
Russian .....	5
Austrian.....	4
<b>Total.....</b>	<b>140</b>

Vessels reported inwards:—

British steamers.....	7
do sailing vessels.....	39
Foreign steamers.....	2
do sailing vessels.....	92
<b>Total.. .....</b>	<b>140</b>

Vessels reported outwards:—

British steamers.....	7
do sailing vessels.....	39
Foreign steamers .....	2
do sailing vessels .....	92
<b>Total.....</b>	<b>140</b>

Vessels removed:—	
British steamers .....	1
do sailing vessels .....	14
Foreign steamers .....	1
do sailing vessels.....	72
Total.....	<u>88</u>
Vessels extra services:—	
British steamers .....	3
do sailing vessels .....	3
Foreign sailing vessels.....	7
Total.....	<u>13</u>
Total amount pilotage inwards:—	
British steamers .....	\$ 344 65
do sailing vessels .....	979 69
Foreign steamers .....	97 59
do sailing vessels.....	2,526 83
Total.....	<u>\$ 3,948 81</u>
Total amount pilotage outwards:—	
British steamers .....	\$ 259 00
do sailing vessels .....	1,247 29
Foreign steamers .....	65 00
do sailing vessels .....	3,141 00
Total.....	<u>\$4,703 29</u>
Total amount removals:—	
British steamers .....	\$ 4 00
do sailing vessels .....	63 50
Foreign steamers .....	4 00
do sailing vessels .....	351 00
Total.....	<u>\$423 00</u>
Total amount extra service:—	
British steamers .....	\$12 00
do sailing vessels .....	32 00
Foreign sailing vessels.....	36 00
Total.....	<u>\$80 00</u>
Total amount earned by pilots:—	
Pilotage inwards.....	\$3,948 81
do outwards .....	4,703 29
do removals .....	423 00
do extra services .....	80 00
Amount earned by Pilot McEachran as Capt. schoener "General Middleton".....	27 50
Amount earned by Pilot McCullam with Port Warden Muirhead .....	20 00
Total.....	<u>\$9,202 60</u>

## STATEMENT OF RECEIPTS AND EXPENDITURE.

*Receipts.*

Pilotage inwards .....	\$3,948 81
do outwards .....	4,703 29
Removals and extra services .....	503 00
Amount earned by pilots at other work .....	47 50
	<u>\$9,202 60</u>

*Expenditure.*

Paid Geo. Watt, acct. against schooner " May Queen "...	\$ 14 30
James Henderson, surveying 4 boats .....	10 00
D. P. Wallis, account .....	10 00
J. L. Stewart, printing .....	2 00
A. McEachran, account office expenses.....	3 00
Searles, account office rent.....	20 00
Watts, account against " Two Brothers ".....	18 25
A. Ullocks, account horse hire.....	1 50
W. C. Anslow, printing .....	9 50
Alex. Martin, pension.....	100 00
Secy.-Treas., 3 per cent. commission on \$9,202.60...	276 07
Amount divided between 30 pilots, \$291.27 each ...	\$8,737 98
	<u>\$9,202 60</u>

WM. PARK, *Chairman.*R. R. CALL, *Secretary.*

NEWCASTLE, MIRAMICHI, N.B., 6th January, 1888.



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**APPENDIX No. 16.**


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**PILOTAGE RETURNS FOR THE PILOTAGE DISTRICT OF THE COUNTY OF CHARLOTTE, FOR THE YEAR ENDED 31st DECEMBER, 1887.**


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St. ANDREW'S, N. B., 31st December, 1887.

SIR,—Annexed, I have the honor to hand you the pilotage returns for the district of the County of Charlotte, for the year ended 31st December, 1887.

I am, Sir,

Your obedient servant,

C. E. O. HATHEWAY,

*Commissioner and Secretary.*

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

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**PILOTAGE RETURNS for the District of the County of Charlotte, N.B., for the year ended 31st December, 1887.**

Licensed Pilots.	Residence.	District Licensed for.
Joseph Boyd.....	Parish of Campobello.....	County of Charlotte.
John Boyd.....	do Dufferin... ..	do

*Pilot Boats Licensed.*

Pilot schooner "Frederick Taylor," 12½ tons, Joseph Boyd, Master.

*Pilotage Collected by Pilots for the Current Year.*

Names of Pilots.	British Vessels.	Foreign Vessels.
Joseph Boyd.....	\$298 50	\$111 00
John Boyd.....	181 00	18 00
	<u>\$479 50</u>	<u>\$129 00</u>
Total.....		<u>\$608 50</u>

*Rates of Pilotage in the District.*

Longest pilotage distance, inward or outward.....\$2.25 per foot draft of water.

Second do do ..... 1.60 do

Third do do ..... 1.50 do

From or to Campobello, 20c. per foot less than above rates.

Fourth pilotage distance, inward or outward, \$1 per foot draft of water.

From 1st of November to 1st of April, 20c. per foot in addition to above rates.

To or from St. Andrew's harbour to ballast ground, vessels 80 tons and under 300 tons, \$2.50; vessels 300 tons or upwards, \$3 each.

Removing a vessel from any loading place inside St. Andrew's Bay to any harbour or loading place outside St. Andrew's Bay and within the county, pilotage inwards or outwards: Vessels of 80 tons and under 200 tons, \$6; 200 tons and under 300 tons, \$8; 300 tons and under 400 tons, \$10; 400 tons and upwards, \$12 each.

Removing a vessel from one loading place or harbour to any other loading place or harbour, inside St. Andrew's Bay: Vessels 80 tons up to 200 tons, \$4; over 200 tons and up to 300 tons, \$5; over 300 tons and up to 400 tons, \$6; exceeding 400 tons, \$8 each.

*Receipts by Commissioners.*

License for 1 pilot boat.....	\$5 00
do 1 pilot.....	6 00
do regulations.....	1 00
	<u>\$12 00</u>

*Charges.*

Stationery and postage.....	\$0 50
Paid Commissioners, St. Stephen and St. George...	4 00
do Commissioner and Secretary at St. Andrew's...	7 50
	<u>\$12 00</u>

C. E. O. HATHEWAY,

*Commissioner and Secretary.*

ST. ANDREW'S, N.B., 31st December, 1887.

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 APPENDIX No. 17.
 

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 REPORT OF THE HALIFAX PILOTAGE COMMISSIONERS FOR THE  
 CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

HALIFAX, N.S., 31st December, 1887.

SIR,—I herewith have the honour to transmit the annual returns of the Pilotage Authority for the district of Halifax, N.S., consisting of:—

- Return of vessels, inward, British and foreign.
- Return of vessels, outward, British and foreign.
- Statement of receipts and expenditure.
- Statement of superannuation fund.
- List of licensed pilots.

I have the honour to be, Sir,

Your obedient servant,

FREDERICK D. CORBETT,

*Secretary Treasurer.*

 The Honourable  
 The Minister of Marine, &c.,  
 Ottawa.

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 RETURN of Vessels entered Inwards at the Port of Halifax, N.S., from 1st January to 31st December, 1887, subject to compulsory pilotage dues.

## BRITISH.

Schooner.	Brigantine.	Brig.	Bark.	Ship.	Steamer.	Tonnage.	Amount of Pilotage Dues.
							\$ cts.
189	124	.....	33	.....	334	527,309	9,631 71

## FOREIGN.

28	14	4	63	1	91	101,082	3,230 57
217	138	4	96	1	425	628,391	12,922 28

RETURN of Vessels entered Outwards at the Port of Halifax, N. S., from 1st January to 31st December, 1887, subject to compulsory pilotage dues.

## BRITISH.

Schooner.	Brigantine.	Brig.	Bark.	Ship.	Steamer.	Tonnage.	Amount of Pilotage Dues.
9	18	1	39	1	342	473,749	\$ cts. 4,845 85

## FOREIGN.

4	6	3	61	1	93	128,542	1,615 29
13	24	4	100	2	435	592,291	6,461 14

195

## List of Pilots for the Pilotage District of Halifax, N.S.

Name.	No.	Residence.	Age.	Height.		Complexion.	Color of Hair and Eyes.
				Feet.	Inches.		
Jno. Fleming .....	1	Ketch Harbour .....	74	5	10	Dark .....	Dark .....
Jas. Holland.....	3	Duncan's Cove .....	50	5	9	Light .....	Light .....
William Baker .....	4	Halifax .....	51	5	8	Dark .....	Dark .....
B. Gallagher. ....	5	do .....	62	5	8	do .....	do .....
D. Martin .....	6	Ketch Harbour .....	41	5	10	Light .....	Light .....
Joseph Reno .....	7	Herring Cove.....	61	5	10	Dark .....	Dark .....
Patriek Hayes .....	8	do .....	65	5	8	do .....	do .....
Hugh Munro .....	9	do .....	51	5	9	do .....	do .....
Jerry Holland.....	10	Duncan's Cove .....	54	5	10	Light .....	Light .....
Edward Byers... ..	11	Ferguson's Cove.....	45	5	10	do .....	do .....
Jas. Hanrahan .....	12	do .....	49	5	9	Dark .....	Dark .....
Wm. Beazley .....	13	do .....	46	5	6	do .....	do .....
Jno. Hayes .....	14	Halifax.....	26	5	10	Light .....	Light .....
Jas. Spears .....	15	Ketch Harbour .....	28	5	8	do .....	do .....
Jno. Beazley.....	16	Ferguson's Cove .....	27	5	9	Dark .....	Dark .....
C. Glazebrook .....	17	Halifax.....	56	5	10	Light .....	Light .....
Richard O'Neil.....	18	do .....	39	5	10	Dark .....	Dark .....
Wm. White.....	19	Ferguson's Cove.....	29	5	9	do .....	do .....
Thos. Hayes .....	20	Herring Cove .....	27	5	6	Light .....	Light .....
Thos. Reno.....	21	do .....	26	5	9	Dark .....	Dark .....
Ohas. Martin .....	22	Sambro .....	57	5	11	Light .....	Light .....
J. Johnson .....	24	Bear Cove .....	57	5	9	do .....	do .....
Jas. Fleming .....	26	Ketch Harbour .....	47	5	11	Dark .....	Dark .....
Dennis Murphy .....	.....	Halifax.....	.....	5	9	Light .....	Light .....
Jos. Smith .....	.....	St. Margaret's Bay .....	44	5	10	do .....	do .....
R. Martin.....	.....	Ship Harbour.....	.....	.....	.....	.....	.....
J. Marks .....	.....	Sheet Harbour.....	.....	.....	.....	.....	.....

## STATEMENT of Superannuation Fund.

By Cash in Savings Bank, 1st January, 1887.....\$2,917 05  
 Collected during 1887, and interest..... 477 53

\$3,394 58

*Less.*

To Paid family late Pilot Smith.....\$60 00  
 do do Nickerson..... 75 00  
 do do Simmons..... 47 50

\$182 50

\$3,212 08

By Balance at credit in Savings Bank.....\$3,094 85  
 do do Union Bank..... 117 23

\$3,212 08

E. & O. E.

## NET Earnings of Pilots for 1887.

No. of Pilot Boat.	Net Earnings.	No. of Men.	Net Earnings per Man.
	\$ cts.		\$ cts.
Boat "Star," No. 1.....	5,217 22	6	869 54
Boat "Micmac," No. 2.....	4,253 84	6	708 97
Boat "Genesta," No. 3.....	3,572 50	6	593 42
Boat "Annie Gaetz," No. 4.....	3,929 32	4	982 33
Total net earnings, 1887.....	16,972 88	22	Average per Man. 771 45

E. and O. E.

J. TAYLOR WOOD,

*Secretary and Treasurer.*

## STATEMENT of Receipts and Expenditure for Year ending 1887.

RECEIPTS.		\$ cts.
To Cash on hand, 1st Jan., 1887.....		1,807 80
Dominion 4 per cent. stock.....		1,000 00
Deposit savings bank.....		1,651 91
Outward Pilotage, ships taking no Pilots.....		1,034 77
Commission 5 per cent. on pilotage collected.....		925 77
Interest 4 per cent. stock and amount savings bank.....		105 00
		6,325 25
		3,737 25
EXPENDITURE.		
By Amount paid Commissioners, 1886.....		1,000 00
do Auditor, 1886.....		30 00
Secretary's salary and office rent.....		502 30
Steamer "Uno" visiting stations, &c.....		112 09
Printing, advertising, taxes, office expenses, &c.....		278 12
Deposit savings bank.....		665 00
Surplus Cr. Pilotage Fund.....		3,737 83
		6,325 25

E. O. E.

J. TAYLOR WOOD,

*Secretary and Treasurer.*

## APPENDIX No. 18.

## REPORT OF THE PILOTAGE AUTHORITY FOR DISTRICT OF GLACE BAY, C.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

GLACE BAY, C.B., 26th January, 1888.

SIR,—Herewith I beg to hand you statement of the pilotage collected in this district for 1887, with names of vessels, list of pilots and fees paid by them.

The port of Lingan, which forms a part of the pilotage district, was closed last year and none of the pilots for that port renewed their licenses.

I have the honour to be, Sir,

Your obedient servant,

CHAS. H. RIGBY,

*Secretary.*

The Hon. Minister of Marine,  
Ottawa.

## NAMES of Pilots and License Fees paid for 1887.

License No.	Name of Pilots.	Age.	No. of Boat.	Fees.	
				\$	cts.
1	Edward Petrie .....	54	1	4	00
2	Joseph Sbannahan.....	48	.....	3	00
3	Allen McPherson.....	52	1	4	00
4	Edward Mahon.....	66	.....	3	00
5	John Ryan.....	40	1	4	00
6	Edmund Petrie.....	43	1	8	00
7	James Farrell .....	56	1	4	00
8	Alexander McLennan.....	51	.....	3	00
9	Thomas Ling.....	47	.....	3	00
				\$36 00	

## RECAPITULATION.

9	license renewals.....	\$27 00
4	do open boats.....	4 00
1	do deck boat.....	5 00
		\$36 00

**RECEIPTS and Disbursements Account for Year ending 31st December, 1887.**

Date.	—	Amount.
1887.	DR.	\$ cts.
Dec. 31 .....	Paid secretary's allowance.....	20 00
do 31.....	do commissions, travelling, &c.....	15 00
do 31.....	do postage and stationery.....	1 00
		36 00
	CR.	
May 1.....	By renewal license to 9 pilots, at \$3.00.....	27 00
do 1.....	do 4 open boats.....	4 00
do 1.....	do 1 deck boat.....	5 00
		36 00



## PILOTAGE Collected at District of Glace Bay, C.B., year ended 31st December, 1887.

Date.	Tonn'ge	Nation- ality.	Vessel, Rig and Name.	Pilotage	Pilot's Name.
1887.				\$ cts.	
Jan. 4...	183	British	Barkentine Nelly	10 50	J. Shanahan.
do 7...	199	do	Brigantine Natalie	10 50	E. Petrie.
do 7...	241	do	do Zanoni	16 00	J. Farrell.
do 12...	327	do	do Addie Benson	5 00	T. Ling.
April 9...	120	do	Schooner Maggie Millard	6 00	A. McPherson.
do 11...	93	do	do James Dwyer	5 00	E. Petrie.
May 6...	936	do	Steamship General Roberts	44 00	T. Ling.
do 7...	117	do	Schooner Lottie	12 00	J. Shanahan.
do 7...	125	do	do Ocean Star	6 00	E. Petrie.
do 10...	1,066	do	Steamship Hungaria	50 00	T. Ling.
do 12...	993	Norw'gn.	do Norrona	46 00	J. Farrell.
do 14...	91	British	Schooner Thetis	8 00	J. Ryan.
do 14...	978	do	Steamship Wylo	46 00	J. Shanahan.
do 23...	889	do	do Bedlington	42 00	A. McLellan.
do 23...	109	do	Schooner Mellacoree	6 00	J. Farrell.
do 24...	453	Norw'gn.	Bark Susanne	26 00	E. Mahon.
do 24...	97	British	Schooner Mary Eleanor	5 00	J. Ryan.
do 25...	192	do	do Adeline	10 50	A. McLellan.
do 26...	1,103	do	Steamship Edinburgh	52 00	J. Farrell.
do 27...	182	do	Schooner Nellie Parker	7 00	J. Ryan.
do 27...	121	do	do Panope	6 00	E. Mahon.
do 28...	95	do	do Fleetly	5 00	E. Petrie.
do 28...	112	do	do L. P. Churchill	6 00	J. Farrell.
do 28...	99	do	do James Dwyer	5 00	A. McPherson.
do 28...		do	do Cummings	7 00	E. Mahon.
do 31...	978	do	Steamship Wylo	46 00	E. Petrie.
June 1...	244	do	Brigantine Zanoni	16 00	T. Ling.
do 2...	998	Norw'gn.	Steamship Norrona	46 00	J. Shanahan.
do 4...	936	British	do General Roberts	44 00	E. Petrie.
do 6...	889	do	do Bedlington	42 00	A. McPherson.
do 7...	445	Norw'gn.	Bark President Sverdrup	24 00	J. Shanahan.
do 7...	345	British	do Parigero	20 00	do
do 9...	408	Norw'gn.	do Skjaldmora	18 00	E. Petrie.
do 10...	147	British	Schooner Maggie Willett	9 00	J. Ryan.
do 10...	297	do	Brigantine Glenorchy	10 00	T. Ling.
do 13...	125	do	Schooner Ocean Star	3 00	E. Petrie.
do 14...	978	do	Steamship Wylo	46 00	A. McPherson.
do 15...	327	do	Brigantine Addie Benson	10 00	J. Farrell.
do 16...	936	do	Steamship General Roberts	44 00	E. Mahon.
do 17...	889	do	do Bedlington	42 00	J. Shanahan.
do 18...	998	Norw'gn.	do Norrona	46 00	A. McPherson.
do 18...	102	British	Schooner Harmony	6 00	E. Mahon.
do 18...	125	do	do Willie A.	7 50	A. McPherson.
do 20...	89	do	do Rosie	4 00	E. Petrie.
do 21...	797	do	Bark Fanny L. Cann	38 00	do
do 22...	283	do	do Dominique	9 00	J. Farrell.
do 22...	391	do	do Cathella	16 50	E. Mahon.
do 22...	114	do	Schooner Marie Vigilante	9 00	J. Shanahan.
do 22...	125	do	do St. Anne	6 00	A. McPherson.
do 24...	98	do	do Bess and Stella	5 00	E. Mahon.
do 24...	126	do	Brigantine Zanoni	9 00	T. Ling.
do 25...	318	do	do Ohio	15 00	J. Farrell.
do 25...	116	do	Schooner G. Bernier	6 00	J. Ryan.
do 28...	91	do	do Fear Not	5 00	do
do 28...	978	do	Steamship Wylo	46 00	E. Petrie.
do 29...	128	do	Schooner Migaionette	10 00	A. McPherson.
do 29...	99	do	do James Dwyer	5 00	T. Ling.
do 29...	245	do	Brigantine Morna	16 00	E. Mahon.
do 30...	244	do	do Zanoni	16 00	T. Ling.
do 30...	936	do	Steamship General Roberts	44 00	J. Ryan.
July 1...	250	British	Barkentine Aureola	18 00	J. Shanahan.
do 2...	81	do	Schooner Lady Bellew	5 00	A. McLellan.
do 4...	889	do	Steamship Bedlington	42 00	J. Ryan.

## PILOTAGE Collected at District of Glace Bay, C.B., &amp;c.—Continued.

Date.	Tonn'ge	Nationality.	Vessel, Rig and Name.	Pilotage	Pilot's Name.
1887.					
do	5...	998	Norw'gn. Steamship Norrona .....	46 00	E. Petrie.
do	6...	98	British. Schooner Lord Devon .....	7 50	J. Farrell.
do	6...	197	French. Brigantine Survivor .....	14 00	A. McPherson.
do	6...	245	British. do Morna .....	16 00	E. Mahon.
do	6...	195	do do Eugenia .....	7 00	T. Ling.
do	11...	978	do Steamship Wylo .....	46 00	J. Farrell.
do	12...	110	do Schooner Albania .....	6 60	do
do	12...	108	do D. A. Huntley .....	6 00	E. Petrie.
do	13...	116	do do Marie Anna .....	6 00	J. Shanahan.
do	14...	936	do Steamship General Roberts .....	44 00	T. Ling.
do	15...	244	do Brigantine Zanoni .....	16 00	J. Ryan.
do	15...	645	do do C. S. Bushwell .....	32 00	E. Petrie.
do	15...	93	do Schooner Darling .....	5 00	J. Ryan.
do	16...	889	do Steamship Bedlington .....	42 00	A. McPherson.
do	19...	133	do Schooner J. Savord .....	6 00	E. Mahon.
do	19...	110	do do Marie Erzelle .....	6 00	J. Farrell.
do	19...	341	do Brigantine Gipsy Queen .....	20 00	E. Petrie.
do	23...	993	Norw'gn. Steamship Norrona .....	46 00	A. McLellan.
do	22...	.....	British. Schooner Fleetly .....	5 00	E. Petrie.
do	23...	245	do Brigantine Morna .....	16 00	J. Farrell.
do	25...	136	do do Agnes Cairns .....	9 00	E. Mahon.
do	26...	115	do Schooner Hind .....	9 00	J. Shanahan.
do	27...	889	do Steamship Bedlington .....	42 00	A. McLellan.
do	27...	461	do Bark Ormus .....	19 50	J. Farrell.
do	28...	936	do Steamship General Roberts .....	44 00	E. Petrie.
do	30...	978	do do Wylo .....	46 00	J. Shanahan.
do	30...	140	do Schooner Bonnbell .....	6 00	J. Ryan.
Aug.	1...	479	American. Brigantine Galconda .....	19 50	T. Ling.
do	2...	122	British. Schooner Isabella .....	9 00	J. Farrell.
do	3...	998	Norw'gn. Steamship Norrona .....	46 00	A. McLellan.
do	5...	399	British. Bark Albatross .....	16 50	E. Petrie.
do	8...	889	do Steamship Bedlington .....	42 00	A. McPherson.
do	9...	250	do Barkentine Aureola .....	18 00	J. Shanahan.
do	10...	978	do Steamship Wylo .....	46 00	J. Ryan.
do	12...	936	do do General Roberts .....	14 00	E. Petrie.
do	12...	241	do Brigantine Acadia .....	8 00	E. Mahon.
do	13...	.....	do Schooner Kezia .....	6 00	J. Ryan.
do	13...	449	Norw'gn. Steamship Bratten .....	24 00	A. McLellan.
do	15...	245	British. Brigantine Norma .....	16 00	T. Ling.
do	15...	114	do Schooner Marie Vigilante .....	9 00	E. Petrie.
do	16...	76	do do Progress .....	8 00	do
do	16...	.....	do do Maria Catharina .....	7 00	do
do	17...	787	do Steamship Berbica .....	38 00	J. Farrell.
do	19...	993	do do Norrona .....	46 00	T. Ling.
do	19...	.....	British. Schooner Osceoba .....	7 50	E. Mahon.
do	20...	889	do Steamship Bedlington .....	42 00	do
do	23...	978	do do Wylo .....	46 00	E. Petrie.
do	23...	327	do Brigantine Addie Benson .....	10 00	J. Farrell.
do	25...	311	do Steamship Falcon .....	20 00	A. McLellan.
do	27...	936	do do General Roberts .....	44 00	T. Ling.
do	27...	163	do Schooner Ripple .....	14 00	A. McPherson.
do	29...	449	Norw'gn. Steamship Bratten .....	24 00	E. Petrie.
do	30...	646	do do Fridtjof .....	32 00	J. Farrell.
do	31...	889	British. do Bedlington .....	42 00	A. McPherson.
Sept.	1...	122	do Brigantine Isabella .....	6 00	E. Mahon.
do	3...	479	American. do Galconda .....	19 50	A. McLellan.
do	5...	393	Norw'gn. Steamship Odin .....	22 00	E. Petrie.
do	5...	978	British. Steamship Wylo .....	46 00	J. Farrell.
do	6...	113	do Brigantine Dawn .....	9 00	A. McPherson.
do	6...	109	do do Sovereign .....	9 00	E. Mahon.
do	7...	571	do Bark St. Olaves .....	30 00	A. McLellan.
do	9...	507	American. Brigantine John Swan .....	21 00	E. Petrie.
do	9...	241	British. do Acadia .....	12 00	J. Farrell.

## PILOTAGE Collected at District of Glace Bay, C. B., &amp;c.—Continued.

Date.	Tonn'ge	Nation- ality.	Vessel, Rig and Name.	Pilotage	Pilot's Name.
				\$ cts.	
1887.					
Sept. 10...	936	British	Steamship General Roberts	44 00	E. Petrie.
do 10...	245	do	Brigantine Morna	16 00	E. Mahon.
do 10...	449	Norw'gn.	Steamship Bratten	24 00	A. McLellan.
do 13...	646	do	do Fridtjof	32 00	E. Petrie.
do 13...	889	British	do Bedlington	42 00	T. Ling.
do 14...	227	American.	Schooner E. A. White	12 00	J. Shanahan.
do 15...	140	British	do Bonnbell	6 00	A. McPherson.
do 15...	360	do	Brigantine Libbie H.	11 00	E. Mahon.
do 16...	137	do	Schooner North America	3 00	E. Petrie.
do 17...	978	do	Steamship Wylo	46 00	J. Ryan.
do 20...	393	Norw'gn.	do Odin	22 00	J. Farrell.
do 20...	327	British	Brigantine Addie Benson	10 00	A. McPherson.
do 20...	231	do	do Canadian	12 00	E. Petrie.
do 20...	530	do	Bark C. E. Robinson	21 00	J. Ryan.
do 20...	737	do	Steamship Sandringham	36 00	E. Petrie.
do 23...	936	do	do General Roberts	44 00	J. Shanahan.
do 23...	449	Norw'gn.	do Bratten	24 00	E. Mahon.
do 23...	403	American.	Schooner J. E. Sanford	24 00	E. Petrie.
do 26...	263	British	do Gazelle	9 00	E. Mahon.
do 26...	616	Norw'gn.	Steamship Fridtjof	32 00	J. Farrell.
do 27...	889	British	do Bedlington	42 00	A. McLellan.
do 28...	567	American.	Brigantine Woley	30 00	E. Petrie.
do 28...	110	British	Schooner Veritas	6 00	J. Ryan.
do 28...	97	do	do Josie	5 00	A. McPherson.
do 29...	222	do	do Minnie Louise	8 00	J. Farrell.
do 29...	311	do	Steamship Falcon	20 00	do
do 29...	122	do	Brigantine Corinne	6 00	J. Shanahan.
do 30...	393	Norw'gn.	Steamship Odin	22 00	E. Mahon.
Oct. 1...	341	British	Brigantine Gipsy Queen	20 00	E. Petrie.
do 1...	148	do	do Alaska	6 00	J. Farrell.
do 3...	115	do	Schooner Angora	6 00	E. Petrie.
do 4...	245	do	Brigantine Morna	16 00	J. Farrell.
do 4...		do	Schooner Rejoinder	4 00	E. Petrie.
do 5...	127	do	do Percy	9 00	E. Mahon.
do 6...	125	do	do Ocean Star	6 00	E. Petrie.
do 7...	313	do	Brigantine Endrick	10 00	A. McPherson.
do 8...	998	Norw'gn.	Steamship Norrova	46 00	J. Farrell.
do 8...	150	British	Schooner Sea Lark	14 00	J. Ryan.
do 8...	122	do	do Isabella	9 00	J. Shanahan.
do 8...	115	do	do Angora	3 00	E. Petrie.
do 8...	978	do	Steamship Wylo	34 50	J. Shanahan.
do 11...	889	do	do Bedlington	42 00	J. Ryan.
do 12...	311	do	do Falcon	20 00	J. Farrell.
do 12...	136	do	Brigantine Agnes Cairns	9 00	E. Mahon.
do 12...	646	Norw'gn.	Steamship Fridtjof	32 00	J. Farrell.
do 13...	99	British	Schooner S. A. Morash	7 50	J. Ryan.
do 14...	393	Norw'gn.	Steamship Odin	22 00	do
do 15...	579	American.	Schooner Martha H. Hall	30 00	E. Petrie.
do 15...	429	British	Bark Frederica	12 00	J. Ryan.
do 17...	169	do	Schooner Mellacoree	6 00	J. Farrell.
do 17...	122	do	do Arthur	6 00	E. Mahon.
do 17...	113	do	Brigantine Dawn	9 00	E. Petrie.
do 18...	567	American.	Schooner Benjamin Hale	30 00	A. McLellan.
do 19...	99	British	do James Dwyer	5 00	J. Farrell.
do 20...	327	British	Brigantine Addie Benson	10 00	E. Petrie.
do 20...	94	do	Schooner Dahlia	5 00	J. Shanahan.
do 21...	248	do	Brig Phantom	16 00	J. Farrell.
do 21...	360	do	do Libbie H.	11 00	E. Petrie.
do 22...	409	American.	Schooner J. E. Sanford	24 00	A. McLellan.
do 22...	61	British	do Bessie	4 00	E. Petrie.
do 24...	589	do	Steamship Bedlington	42 00	J. Shanahan.
do 25...	176	do	Schooner Golden Fleece	10 50	E. Petrie.
do 25...	393	Norw'gn.	Steamship Odin	22 00	E. Mahon.

## PILOTAGE Collected at District of Glace Bay, &amp;c.—Concluded.

Date.	Tonn'ge	Nation-ality.	Vessel, Rig and Name.	Pilotage	Pilot's Name.
				\$ cts.	
1887.					
Oct. 25...	646	Norw'gn..	Steamship Fridtjof.....	32 00	E. Petrie.
do 27...	988	do .....	do Norrona.....	46 00	J. Farrell.
do 28...	183	British .....	Schooner Nellie.....	7 00	J. Ryan.
do 29...	222	do .....	do Minnie Louise.....	8 00	E. Mahon.
do 29...	449	Norw'gn..	Steamship Bratten .....	24 00	J. Shanahan.
do 29...	646	do .....	do Fridtjof.....	32 00	E. Petrie.
do 31...	288	British.....	Brigantine Ribberia .....	9 00	A. McLellan.
Nov. 1...	114	do .....	Schooner Maria Vigilante .....	6 00	J. Ryan.
do 1...	96	do .....	do Stone House .....	7 50	J. Farrell.
do 2...	313	do .....	Brigantine Endrick .....	10 00	A. McLellan.
do 3...	147	do .....	Schooner Maggie Willett.....	3 00	E. Mahon.
do 3...	245	do .....	Brigantine Morna .....	16 00	J. Shanahan.
do 3...	97	do .....	Schooner Uncle Sam .....	5 00	J. Farrell.
do 3...	99	do .....	do James Dwyer .....	5 00	E. Petrie.
do 4...	122	do .....	do Arthur .....	6 00	T. Ling.
do 4...	172	do .....	Brigantine Boston Marine .....	10 50	A. McLellan.
do 5...	127	do .....	Schooner Percy.....	9 00	J. Shanahan.
do 5...	94	do .....	do Dahlia .....	5 00	E. Petrie.
do 5...	110	do .....	do Marie Erzelie.....	6 00	do
do 5...	97	do .....	do Susie E. ....	5 00	J. Ryan.
do 7...	127	do .....	do Florella.....	12 00	E. Petrie.
do 7...	125	do .....	do Ocean Star .....	6 00	A. McLellan.
do 8...	150	do .....	do Sea Lark .....	9 00	J. Ryan.
do 10...	393	Norw'gn..	Steamship Odin.....	22 00	E. Petrie.
do 10...	184	British .....	Brigantine Mechanic .....	7 00	J. Shanahan.
do 12...	786	do .....	Barque Etta Stewart .....	28 50	J. Farrell.
do 12...	113	do .....	Brigantine Dawn .....	9 00	E. Petrie.
do 14...	626	do .....	Barque Oliver Emery .....	32 00	A. McLellan.
do 15...	199	do .....	Brigantine Natalie .....	10 50	J. Ryan.
do 17...	149	do .....	Schooner S. A. Morash .....	6 00	J. Shanahan.
do 18...	449	Norw'gn..	Steamship Bratten .....	24 00	E. Petrie.
do 19...	491	British .....	Barkentine Lottie.....	26 00	E. Mahon.
do 22...	248	do .....	Schooner St. John .....	12 00	A. McLellan.
do 22...	183	do .....	do Nelly.....	14 00	J. Farrell.
do 24...	327	do .....	Brigantine Addie Berson.....	10 00	T. Ling.
do 24...	311	do .....	Steamship Falcon.....	10 00	J. Farrell.
do 25...	245	do .....	Brigantine Morna .....	16 00	A. McLellan.
do 25...	143	do .....	do Atlanta .....	12 00	J. Ryan.
Dec. 1...	127	do .....	Schooner Florella.....	6 00	E. Mahon.
do 5...	98	do .....	do Dessie M .....	5 00	E. Petrie.
do 5...	311	do .....	Steamship Falcon.....	15 00	J. Shanahan.
do 5...	222	do .....	Schooner Minnie Louise.....	8 00	J. Farrell.
do 7...	120	do .....	do Florence Abbott.....	6 00	A. McLellan.
do 8...	655	do .....	Barque Brothers and Sisters .....	34 00	J. Shanahan.
do 10...	148	do .....	Schooner Olivia A. O'Mullen.....	6 00	J. Ryan.
do 12...	499	do .....	Barque James Kitchen.....	26 00	E. Petrie.
do 12...	311	do .....	Steamship Falcon.....	15 00	J. Farrell.
do 12...	253	do .....	Brigantine American Union .....	9 00	E. Mahon.
do 15...	183	do .....	Schooner Nelly.....	14 00	A. McLellan.
do 15...	149	do .....	do Sarah A. Townsend.....	6 00	E. Petrie.
do 17...	195	do .....	Brigantine Natalie.....	7 00	J. Ryan.
do 19...	245	do .....	do Morna.....	16 00	J. Farrell.
do 23...	159	do .....	do Sparkling Glance.....	14 00	J. Ryan.
do 23...	449	Norw'gn..	Steamship Bratten.....	24 00	A. McLellan.
do 24...	395	British .....	Barque Lalia .....	5 50	E. Mahon.
do 24...	99	do .....	Schooner James Dwyer.....	5 05	J. Shanahan.
do 27...	185	do .....	do Louise .....	7 00	E. Petrie.
				4,585 00	

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RECAPITULATION.

	Tons.
43 British steamers. ....	36,486
24 Foreign steamers . ....	15,620
9 American sailing vessels .....	4,217
3 Norwegian do .....	1,306
1 French do .....	197
166 British do .....	35,183
<hr/>	
246	<hr/> 93,009 <hr/>

CHAS. H. RIGBY,  
*Secretary.*

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**APPENDIX No. 19.**


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**REPORT OF THE PILOTAGE AUTHORITY OF PICTOU, N.S., FOR THE  
CALENDAR YEAR ENDED 31st DECEMBER, 1887.**

PICTOU, N.S., 31st December, 1887.

SIR,—I have the honour to submit to you the pilotage returns for the port of Pictou, for year ending 31st December, 1887.

The rules and regulations and rates of pilotage remain the same as last season, with the exception of the following regulation adopted 2nd May, 1887, and sanctioned by Governor in Council 21st May, 1887, *i. e.*: “Any pilot piloting a vessel inwards from sea shall be entitled to pilot her up and down rivers and to sea when she next leaves port—unless on complaint of the master or owner of the said vessel, the pilotage authority shall direct otherwise.”

The names and number of pilots are the same as on last season's report, with the exception of John R. Powell, No. 10, who did not renew his bond.

I am, Sir,

Your obedient servant,

WM. H. NOONAN,

*Secretary Pilotage Authority.*

W. SMITH, Esq.,  
Deputy Minister of Marine, &c.,  
Ottawa.

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Total amount received for pilotage dues for season ending 31st December, 1887..... \$3,258 73

Of this amount—

Received from steamships.....	\$2,625 78
do from sailing ships.....	632 95
	<u>\$3,258 73</u>

Of this amount—

Received from British ships.....	\$2,519 95
do from Foreign ships.....	738 78
	<u>\$3,258 73</u>

*Certified Masters.*

Amabel Bacquet, SS. “Miramichi.”

*Certified Mates.*

None.

## MEMORANDUM of Earnings of Pilots for Season ending 31st December, 1887.

1. Alex. T. Powell.....	\$ 6 00
2. James Frazer.....	83 00
3. Bryant Rodgers.....	146 00
4. Wm. A. Cooke.....	636 00
5. Angus McDonald.....	57 00
6. Henry H. Powell.....	194 95
7. Chas. A. Cooke.....	991 00
8. George W. Powell.....	33 00
9. Daniel S. Smith.....	646 69
10. John R. Powell.....	.....
11. Wm. Munro.....	132 69
12. Daniel McLeod.....	95 00
	<u>          </u>
	<u>\$3,021 33</u>

## RECEIPTS and Expenditures of all Moneys received by or on behalf of the Pilotage Authority in respect of pilots or pilotage.

*Receipts.*

Received from 11 pilots, renewing bonds : .....	\$ 11 00
do pilotage dues, as per statement.....	3,258 73
Balance on hand from last year.....	13 50
do due Pilotage Authority.....	48 90
	<u>          </u>
	<u>\$3,332 13</u>

*Expenditures.*

Paid pilots for pilotage .....	\$3,021 33
Robt. Powell, superannuation grant.....	30 00
<i>Colonial Standard</i> , printing account .....	8 00
Office rent and fuel .....	50 00
Secretary's salary .....	200 00
J. McK. Beattie, stationery account .....	4 80
W. U. T. Co., (account "Laura").....	1 00
Dani. McLeod, Pilot No. 12, loan .....	17 00
	<u>          </u>
	<u>\$3,332 13</u>

J. A. GORDON,  
 JOHN R. DAVIS,  
 A. J. PATTERSON,  
 HECTOR MCKENZIE,  
 JAMES D. MCGREGOR,  
*Pilotage Authority, Port of Pictou, N.S.*

## APPENDIX No. 20.

ST. MARY'S, 31st December, 1887.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF ST. MARY'S AND LISCOMBE, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

## LISCOMBE.

Name of Pilot.	Age	Name of Ship.	Port of Registry.	Tonnage.	Pilotage.					
					Inwards.	Outwards.	Total.			
					\$	cts	\$	cts	\$	cts.
Lewis Wilson.....	33	Brigantine Nordan.....	Norway.....	223	6	00	8	00	14	00
Daniel Lang.....	46	Barque Norma.....	do.....	337	9	00	11	00	20	00
do.....	46	Barque Gyda.....	do.....	521	14	00	15	00	29	00
Chas. Riley.....	63	Barque Fin.....	do.....	536	14	00	15	00	29	00
Jacob Lang.....	59	Barque Norman.....	Maitland, N.S....	870	17	00	18	00	35	00
do.....	59	Removing the barque Norman.....	.....	.....	.....	.....	.....	.....	5	00
do.....	59	Brigantine Gertude... Norman.....	Lunenburg, N.S.	292	6	00	.....	.....	6	00
Total for Liscombe...									138	00

## ST. MARY'S.

Edward Quinn...	35	Barge Adelhun.....	Norway.....	400	11	00	13	00	24	00
do.....	35	Schr. North America...	Halifax, N.S....	174	6	00	8	00	14	00
do.....	35	Schr. Hattie E. Collins	Newfoundland...	32	2	24	2	24	4	48
do.....	35	Schr. Belle.....	Halifax, N.S....	31	2	17	.....	.....	2	17
do.....	35	Schr. Escort.....	Lunenburg.....	59	4	13	4	13	8	26
Alf. McDaniel...	41	Brig Primula.....	Norway.....	247	9	00	11	00	20	00
Total for St. Mary's..									72	91

WILLIAM PRIDE,

Secretary to Commissioners.



## APPENDIX No. 21.

## REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF SYDNEY, C.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

NORTH SYDNEY, C.B., 12th January, 1888.

SIR,—I beg to wait on you with Pilotage returns from this District for the past year.

Further particulars of amount paid each and every pilot will be forwarded later on, as soon as I can receive returns from the different collectors.

I have the honour to be, Sir,

Your obedient servant,

W. PURVES,

*Sec.-Treas. Pilotage Authority of Sydney.*

W. SMITH, Esq.,  
Deputy Minister of Marine, &c.,  
Ottawa.

## NAME and Age of each and every Pilot for the District of Sydney, C.B., for the year 1887.

No.	Name.	Age.	No.	Name.	Age.
1	James Petrie .....	67	19	Angus McNeil .....	44
2	John Carroll.....	60	20	Hugh McGillvery.....	57
3	John Brown.....	65	21	J. D McGillvery.....	41
4	David Mullins.....	60	22	John Carroll, jun.....	36
5	John Curran.....	61	23	George Brown.....	50
6	Thomas Doyle.....	67	24	Lawrence Connell.....	45
7	John Petrie.....	57	25	James Carroll.....	31
8	Con. Mullins.....	57	26	Dan. Petrie.....	31
9	D. McGillvery.....	59	27	John McNeil.....	35
10	Wm. Ratchford.....	50	28	Peter Burke.....	35
11	D. McGillvery (Big).....	67	29	Jas. Shannahan.....	36
12	John Cann.....	37	30	Patrick Young.....	31
13	John Mullins.....	37	31	Wm. Brown.....	30
14	Syl. Shannahan.....	45	32	Donald McLanes.....	61
15	Andrew Ratchford.....	43	33	Thomas Ratchford.....	32
16	John Fraser.....	47	34	G. D. Townsend.....	39
17	Jas. McGillvery.....	37	35	J. B. McGillvery.....	41
18	George Townsend.....	67			

STATEMENT of arrivals paying Pilotage and of Pilotage received in the District of Sydney, C.B., during the year 1887:—

## SYDNEY.

	No.	Tonnage.
British steamers.....	38	40,539
Foreign do .....	16	10,577
British sailing vessels.....	42	7,109
Foreign do .....	5	2,628
Totals .....	<u>101</u>	<u>60,853</u>

*Pilotage Received.*

From British vessels.....	\$1,872
do Foreign do .....	285
Total pilotage.....	<u>\$2,157</u>

## INTERNATIONAL MINES.

	No.	Tonnage.
British steamers.....	50	60,197
Foreign do .....	20	19,477
British sailing vessels.....	36	5,519
Totals.....	<u>106</u>	<u>85,193</u>

*Pilotage Received.*

From British vessels .....	\$2,662
do Foreign do .....	541
Total pilotage.....	<u>\$3,203</u>

## SOUTH BAR OR VICTORIA.

	No.	Tonnage.
British steamers.....	35	32,445
Foreign do .....	8	11,538
British sailing vessels.....	34	4,273
Totals .....	<u>77</u>	<u>48,256</u>

*Pilotage Received.*

From British vessels.....	\$1,459
do Foreign do .....	502
Total pilotage.....	<u>\$1,961</u>

## NORTH SYDNEY.

British steamers.....	64	65,704
Foreign do .....	6	5,760
British sailing vessels.....	229	60,023
Foreign do .....	39	13,764
Totals .....	<u>338</u>	<u>145,251</u>

*Pilotage Received.*

From British vessels.....	\$4,530 00
do Foreign do .....	790 50
<b>Total pilotage. ....</b>	<b>\$5,320 50</b>

## RECAPITULATION.

Ports.	No. of Vessels.	Tonnage.	Amount of Pilotage.
			\$ cts.
North Sydney.....	338	145,251	5,320 00
Victoria .....	77	48,256	1,961 00
International .....	106	85,193	3,203 00
Sydney .....	101	60,853	2,157 00
<b>Totals .....</b>	<b>622</b>	<b>339,553</b>	<b>12,641 00</b>

## MASTERS Licensed, 1887.

No.	Names.	Class.	Vessel.	Amount.
				\$ cts.
1	J. P. Augrore.....	Steamship.....	St. Pierre.....	20 00
2	R. LeChase.....	do.....	Polino.....	20 00
3	R. Fraser.....	do.....	Coban.....	20 00
5	M. McDonald.....	do.....	Cacouna.....	20 00
6	J. Delisle.....	do.....	Greenland.....	20 00
7	J. MacGrath.....	do.....	Acadia.....	20 00
8	C. Ormiston.....	Schooner.....	M. Millard.....	10 00
			<b>Total.....</b>	<b>130 00</b>

## STATEMENT of Receipts and Expenditure in connection with the Pilotage Authority of Sydney, C.B., for the year 1887.

	\$ cts.	\$ cts.
<b>RECEIPTS.</b>		
Received for licenses and bonds .....	105 00	
do boats' licenses .....	28 00	
do masters' do .....	130 00	
<b>Total pilotage per statement .....</b>	<b>12,641 00</b>	<b>12,904 00</b>
<b>EXPENDITURE.</b>		
Paid pilots, by collectors.....	11,812 43	
Collected on relief account .....	204 00	
Commission to collectors .....	624 57	
Commissioners, for expenses.....	150 00	
Books, printing and stationery.....	27 00	
Telegrams and postage.....	6 72	
Secretary and treasurer.....	100 00	
		<b>12,924 72</b>
<b>Excess of expenditure over receipts. ....</b>		<b>20 72</b>



## APPENDIX No. 22.

## REPORT OF THE PILOTAGE DISTRICT OF YALE AND NEW WESTMINSTER FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

BURRARD INLET, B.C., February, 1888.

SIR,—I have the honour to enclose herewith returns of the Pilotage Authority for the District of Yale and New Westminster for year ending 31st December, 1887.

I have the honour to be, Sir,

Yours, &amp;c.,

B. SPRINGER,

*Secretary.*

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

## YALE and New Westminster Pilotage District—Licensed Pilots.

No. of License.	Name of Pilot.	Age.	Remarks.	Service.
3	William Ettershank.....	45	Suspended for six months.	} Licensed to pilot vessels of every description within the waters of the district.
6	Angus McAlister.....	43	.....	
10	James Gaudin.....	48	Resigned.	
11	Donald Urquhart.....	40	.....	

Pilotage dues for the time being in force are as follows:—

	Per foot.
Vessels entering into or clearing from the Port of Burrard Inlet under sail .....	\$4 00
Vessels entering into or clearing from the Port of Burrard Inlet in tow of a steamer.....	3 00
Vessels entering into or clearing from the Port of Burrard Inlet under steam.....	<u>1 50</u>

If the services of a pilot are not required vessels spoken shall pay as follows:—

	Per foot.
Under sail.....	\$2 00
do steam.....	<u>1 50</u>

The pilotage from Cape Flattery or Royal Roads to a line drawn from Point Atkinson to Point Gray and *vice versa* is not compulsory, but if the services of a pilot are required the rates are as follows:—

## For vessels under sail:—

	Per foot.
From Cape Flattery.....	\$6 00
Callum Bay.....	5 00
Beechy Head.....	4 00
Race Rocks or Royal Roads.....	3 00

## For vessels under steam or in tow of a steamer:—

From Cape Flattery.....	\$3 00
Callum Bay.....	2 50
Beechy Head.....	2 00
Race Rocks or Royal Roads.....	1 00

## New Westminster, from the lighthouse:—

For vessels under sail.....	\$4 00
do in tow.....	3 00
do under steam.....	1 50

From the lighthouse on Fraser River sand heads to Cape Flattery or Royal Roads and *vice versa* the pilotage is not compulsory, but if the services of a pilot is required the rates are as follows:—

## Vessels under sail:—

	Per foot.
From Cape Flattery.....	\$6 00
Callum Bay.....	5 00
Beechy Head.....	4 00
Race Rocks or Royal Roads.....	3 00

## And for vessels under steam or in tow the rates are as follows:—

From Cape Flattery.....	\$3 00
Callum Bay.....	2 50
Beechy Head.....	2 00
Race Rocks or Royal Roads.....	1 00

## Pilotage collected during the year as follows at the Port of Burrard Inlet:—

34 British vessels inward, 44,709 tons.....	\$1,525 50	
30 do outward, 38,592 tons.....	1,837 50	
		\$3,363 00
55 Foreign vessels inward, 51,400 tons.....	\$1,657 25	
56 do outward, 52,286 tons.....	1,975 75	
		3,633 00
Total.....		\$6,996 00

Pilot boat "Mary Taylor," No. 1, 5 tons register.

RECEIPTS and Expenditures of all moneys received by or on behalf of the Pilotage Authority in respect of pilots or pilotage for year ending 31st December, 1887:—

## Receipts.

Balance on hand from last year.....	\$ 169 37
Pilotage dues.....	6,996 00
License.....	20 00
	\$7,185 37

*Expenditure.*

Paid pilots.....	\$6,296 42	
“ W. A. Campbell ” (remitted).....	24 00	
Secretary.....	300 00	
Stationery, telegrams, &c.....	10 25	
Commissioners' expenses.....	17 50	
Collecting.....	85 00	
Balance.....	452 20	
		<u>\$7,185 37</u>

RICHARD ALEXANER,  
*Chairman.*

B. SPRINGER,  
*Secretary.*

BURRARD INLET, B.C., 31st December, 1887.

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 APPENDIX No. 23.
 

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 REPORT OF THE PILOTAGE DISTRICT OF NANAIMO, B. C., FOR THE  
 CALENDAR YEAR ENDED THE 31st DECEMBER, 1887.

NANAIMO, B.C., 5th January, 1888.

SIR,—I have the honour to transmit herewith the pilotage returns for this district, for the year ended 31st December, 1887.

I have the honour to be, Sir,

Your obedient servant,

GEO. THOMSON,

*Secretary.*

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

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 LICENSED PILOTS, Nanaimo District.

 John Sabiston, sen.,  
 Wm. McDonald,

 John W. Glaholm,  
 John Sabiston, jun.

\* Daniel Morrison.

\* Under suspension for the stranding steamer "Mexico," on Bell Chain Reef, from 2nd April 1887, to 2nd April, 1888.

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 PILOTAGE DUES collected from 1st January to 31st December, 1887.

*Receipts.*

Balance on hand from last year.....	\$ 149 32
Pilots' earnings.....	8,240 00
Examination fee.....	25 00
License fee.....	50 00
	<hr/>
	<u>\$8,464 32</u>

*Expenditure.*

Cash paid pilots.....	\$7,688 12
Commission examination fee.....	25 00
Geo. Norris, printing.....	14 50
E. Pimbury, 1 chart.....	2 25
Commissioners (3) salaries.....	175 00
Secretary.....	240 00
Rent of office.....	120 00
Postage and stationery.....	5 75



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Coal and coal oil.....	7 50
Travelling expenses of Commission and secretary to Victoria, H. Morrison's trial.....	80 00
	<hr/>
	\$8,358 12
To balance.....	106 20
	<hr/>
	<u>\$8,464 32</u>

Approved and certified correct.

E. QUENNELL,  
 J. E. JENKINS,  
 C. C. MCKENZIE,  
*Commissioners.*

## APPENDIX No 24,

## REPORT OF THE PILOTAGE AUTHORITY OF VICTORIA AND ESQUIMALT FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

VICTORIA, B.C., 31st December, 1887.

PILOTAGE Returns, Victoria and Esquimalt Pilotage District, B.C., 1st January to 31st December, 1887.

## LICENSED PILOTS.

No.	Name.	Age	Date of Issue.	Seniority.	Remarks.
1	James McIntosh .....	59	April 23, '80	Jan. 9, '73.	Originally a B. C. Pilot.
2	John Thompson. ....	38	April 23, '80	Dec. 4, '78.	Originally a B. C. Pilot.

The foregoing is a list of licensed pilots, now reduced to two in number, and who are the only ones who have prosecuted such calling in the above named district. All those mentioned in list of 1886 have either retired from the service and taken command of local steamers or are employed as pilots in other British Columbia Districts.

There are no masters and mates acting under license from this Pilotage Authority; all the certificates mentioned last year disappear by efflux of time.

Clauses I, II and III (page 213, Supplement to 19th Annual Report) apply to the year just expired as well as to 1886, with the following reductions: Order in Council, 13th June, 1887, regular mail steamers to \$1.50 per foot each way; 30th June, 1887, China and Japan steamers to \$1 per foot each way, by telegraphed authority from Minister.

Same Acts and parts of Acts as last year apply to 1887, and list of exempted vessels and Puget Sound rates remain the same.

EDGAR CROW BAKER,

*Secretary-Treasurer.*

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**PILOTAGE Dues Collected, 1st January to 31st December, 1887.**


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Month.	British.	Foreign.	Total.	Remarks.
	\$ cts.	\$ cts.	\$ cts.	
January .....	135 25	723 25	858 50	} N.B.—The total of \$8,364.60 does not include a sum of \$300.00 collected from Puget Sound steamers, and a further sum of \$50.00 from American tugs.
February .....	10 00	546 50	556 50	
March .....	123 00	559 25	682 25	
April .....		602 60	602 60	
May .....	85 50	830 25	915 75	
June .....	53 50	614 00	667 50	
July .....	97 50	528 40	625 90	
August .....	189 00	494 25	683 25	
September .....	299 50	449 85	749 35	
October .....	285 25	521 50	806 75	
November .....	329 50	426 25	755 75	
December .....		460 50	460 50	
	1,608 00	6,756 60	8,364 60	

EDGAR CROW BAKER,

*Secretary-Treasurer.*

VICTORIA, B.C.,  
31st December, 1887.

Dr. Receipts and Expenditure, 1st January to 31st December, 1887. Cr.

Date.	Nature of Receipt.	Amount.	Date.	Head of Service.	Amount.
1887.		\$ cts.	1887.		\$ cts.
Jan. 1 to Dec. 31	To Balance from last year .....	280 00	Jan. 1 to Dec. 31	By B. C. Pilots. Division re American tugs.....	80 00
do	Pilotage dues under Clause IV .....	8,364 60	do	do Division re Puget Sound .....	200 00
do	Certificate fees, O. R. & N. steamers.....	300 00	do	do Earnings as per receipts. ....	7,628 14
do	Half pilotage, American tugs .....	50 00	do	do Expenses of investigations, 12 months.....	180 00
			do	do Office expenses, rent, fuel, gas, &c.....	276 68
			do	do Secretary-treasurer, 12 months' services.....	398 46
			December 31.....	do Balance at credit of Pilotage Authority .....	331 34
		\$,994 60		(Since divided between pilots )	8,994 60

Approved and certified correct:—

RODERICK FINLAYSON, }  
 W. R. CLARKE, } *Commissioners.*  
 R. P. RITHEIT, }

EDGAR CROW BAKER,  
*Secretary-Treasurer.*

VICTORIA, B.C., 7th January, 1888.

## APPENDIX No. 25.

REPORT OF THE CHAIRMAN OF THE BOARD OF EXAMINERS OF  
MASTERS AND MATES FOR THE CALENDAR YEAR ENDING THE  
31st DECEMBER, 1887.

HALIFAX, N.S., 4th January, 1888.

SIR,—I have the honour to submit the report of the proceedings of the Board of  
Examiners of Masters and Mates for the year ending 31st December, 1887.

The Board met at the several ports with the following results :—

At Halifax, N.S., 10th and 11th January :

Certificates granted Masters.....	2	
do do Mates.....	1	
		— 3

Two Masters and one Mate failing in navigation.

At Yarmouth, N.S., 21st and 22nd January :

Certificates granted Mates.....	2	
		— 2

At St. John, N. B., 26th and 27th January :

Certificates granted Masters.....	1	
do do 2nd Mates.....	1	
		— 2

At Halifax, N.S., 10th and 11th February :

Certificates granted Masters.....	3	
do do Mates.....	2	
		— 5

One Master failing in navigation.

At St. John, N. B., 17 and 18th February :

Certificates granted Masters.....	1	
do do Mates.....	1	
		— 2

At Yarmouth, N.S., 21st and 22nd February :

Certificates granted Masters.....	1	
do do Mates.....	1	
		— 2

Two Mates failing in navigation.

At Quebec, 5th and 7th March :

Certificates granted Masters.....	2	
		— 2

At Halifax, N.S., 17th and 18th March :

Certificates granted Masters.....	4	
do do Mates.....	4	
		— 8

One Mate failing in navigation.

At St. John, N.B., 21st and 22nd March :

Certificates granted Mates.....	1	
		— 1

One Mate failing in navigation.

## At Yarmouth, N.S., 24th and 25th March :

Certificates granted Masters .....	1
do do Mates .....	1
	— 2

One Mate failing in navigation.

## At St. John, N. B., 13th and 14th April :

Certificates granted Masters.....	1
do do Mates:.....	2
do do 2nd Mates.....	1
	— 4

Two Masters failing in navigation.

## At Quebec, 16th and 18th April.

Certificates granted Masters.....	1
do do 2nd Mates.....	1
	— 2

## At Yarmouth, N.S., 30th April and 2nd May :

Certificates granted Masters.....	1
do do Mates.....	2
	— 3

One Master failing in navigation.

## At Halifax, N.S., 5th and 6th May :

Certificates granted Masters.....	1
do do Mates .....	3
	— 4

One Master and three Mates failing in navigation.

## At St. John, N.B., 11th and 12th May :

Certificates granted Masters.....	2
do do Mates.....	2
	— 4

Two Masters and three Mates failing in navigation.

## At Yarmouth, N.S., 6th and 7th June :

Certificates granted Masters.....	3
do do Mates .....	4
	— 7

Two Mates failing in navigation.

## At St. John, N.B., 10th and 11th June :

Certificates granted Masters .....	1
do do Mates .....	5
	— 6

One Master and two Mates failing in navigation.

One Master and one Mate failing in seamanship.

## At Halifax, N.S., 14th and 15th June :

Certificates granted Masters .....	1
do do Mates .....	3
do do 2nd Mates.....	1
	— 4

Two Mates failing in navigation.

## At Halifax, N.S., 18th and 19th July :

Certificates granted Masters .....	2
do do Mates .....	5
	— 7

At St. John, N.B., 21st and 22nd July :		
Certificates granted Masters'	.....	1
do do Mates.....	.....	2
		— 3
One Mate failing in navigation.		
At Yarmouth, N.S., 23rd and 25th July :		
Certificates granted Masters.....	.....	2
do do Mates .....	.....	1
		— 3
Two Mates failing in navigation.		
At Halifax, N.S., 9th and 10th August :		
Certificates granted Masters.....	.....	1
do do 2nd Mates.....	.....	1
		— 2
One Master failing in navigation.		
At St. John, N.B., 17th and 18th August :		
Certificates granted Masters.....	.....	1
do do Mates .....	.....	6
		— 7
One Mate failing in navigation.		
At Yarmouth, N.S., 20th and 22nd August :		
Certificates granted Masters.....	.....	2
do do Mates .....	.....	3
		— 5
One Mate failing in navigation.		
At Halifax, N.S., 8th and 9th September :		
Certificates granted Masters.....	.....	1
do do Mates .....	.....	2
		— 3
Two Masters and one Mate failing in navigation.		
At St. John, N.B., 15th and 16th September :		
Certificates granted Masters.....	.....	2
One Master and one Mate failing in navigation.		
At Yarmouth, N.S., 17th and 19th September :		
Certificates granted Masters.....	.....	1
do do Mates .....	.....	1
		— 2
One Master and two Mates failing in navigation.		
At Halifax, N.S., 5th and 6th October :		
Certificates granted Masters.....	.....	1
do do Mates .....	.....	1
do do 2nd Mates.....	.....	1
		— 3
One Mate failing in navigation.		
At St. John, N.B., 18th and 19th October :		
Certificates granted Masters.....	.....	1
do do Mates .....	.....	1
		— 2
One Mate failing in navigation.		
At Yarmouth, N.S., 24th and 25th October :		
Certificates granted Masters.....	.....	2
do do Mates .....	.....	1
		— 3
One Mate failing in navigation.		

At Halifax, N.S., 8th and 9th November :		
Certificates granted Masters.....	2	
do do Mates .....	2	
		— 4
Two Mates and one 2nd Mate failing in navigation.		
At St. John, N.B., 11th and 12th November.		
Certificates granted Masters.....	1	
do do Mates .....	1	
		— 2
At Yarmouth, N.S., 22nd and 23rd November :		
Certificates granted Masters.....	3	
At Halifax, N.S., 5th and 6th December :		
Certificates granted Masters.....	2	
do do Mates ....	5	
do do 2nd Mates.....	1	
		— 8
One Mate and one 2nd Mate failing in navigation.		
At St. John, N.B., 8th and 9th December :		
Certificates granted Masters.....	3	
do do 2nd Mates.....	1	
		— 4
Two Mates failing in navigation.		
At Yarmouth, N.S., 12th and 13th December :		
Certificates granted Masters.....	1	
do do 2nd Mates.....	1	
		— 2
Thus it will be seen that the number passing were .....		129
Number of applications at Halifax .....		74
do failures do .....	22	
do applications at St. John.....	20	59
do failures do .....	20	
do applications at Yarmouth .....	13	47
do failures do .....	13	
do applications at Quebec .....	0	4
do failures do .....	0	
Total number of applications.....		184
do do failures.....	55	

I am, Sir,

Your obedient servant,

P. A. SCOTT,

*Chairman.*



LIST of Certificates of Competency and Service granted to Masters and Mates of  
Inland and Coasting Vessels, for the Year ended 31st December, 1887.

## SERVICE.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2396	Jan. 10...	John White .....	Master, steamer, minor inland.	Grenville, P.Q. ....	Ottawa.....	8 00
2397	do 18...	John Dandy.....	Master, schooner, inland.	Kingston, Ont.....	Kingston, Ont.	4 00
2398	do 28...	Norman Brown.....	Master, fore and aft, coasting.	Harborville, N.S...	Halifax, N.S ...	*
2399	do 28...	John Hibbert Morris....	Master, square rig, coasting.	Advocate, N.S.....	Parrsboro' N.S.	*
2400	Feb. 4...	William Gerow .....	Master, fore and aft, inland.	Rossmore, Ont. ....	Picton, Ont....	4 00
2401	do 7...	John Henry Lyons .....	Master, fore and aft, coasting.	Barrington, N.S....	Shelburne .....	4 00
2402	do 9...	Joseph Sherlam .....	Master, fore and aft, inland.	Dover South, Ont.	Toronto, Ont.	4 00
2403	do 14...	Joseph Oliver.....	Master, fore and aft, coasting.	Port Gilbert, N.S.	Yarmouth, N.S	4 00
2404	Mar. 2...	Joseph Ganley.....	Master, steamer, minor inland.	Collingwood, Ont	Toronto .....	4 00
2405	do 2...	Charles Jesty.....	Master, fore and aft, coasting.	Halifax, N.S.....	Halifax .....	4 00
2406	do 8...	Murdock Mackenzie.....	Master, fore and aft, inland.	Kingcardine, Ont ...	Goderich.....	4 00
2407	do 8...	Archibald Currie .....	Master, square rig, coasting.	Cow Bay, C.B. ....	Sydney.....	4 00
2408	do 9...	John Wellington Keast...	Master, fore and aft, coasting.	Indiantown, N.B...	St. John.....	4 00
2409	do 10...	Frank McDermid.....	Master, steamer, minor inland.	Wallaceburg, Ont	St. Catharines	4 00
2410	do 11...	James E. Easterbrook....	Master, steamer, coasting.	St. John, N.B.....	St. John.....	4 00
2411	do 14...	Eugene McCormick .....	Mate, steamer, mi- nor inland.	Windsor, Ont.....	St. Catharines	2 00
2412	do 14...	James Hickey .....	Master do ...	do .....	do ...	4 00
2413	do 14...	David Jas. Allan .....	Mate, fore and aft, inland.	Port Dover, Ont...	do ...	2 00
2414	do 17...	Edmund Patrick McGan- non.	Master, steamer, minor inland.	Morrisburg, Ont....	Toronto .....	4 00
2415	do 18...	Paul Pilon .....	Mate do ...	Ste. Anne, Bout de l'Isle, P.Q.	Ottawa .....	2 00
2416	do 22...	James Fredk. Jermin .....	Master, steamer, in- land.	Amherstburg, Ont.	St. Catharines	4 00
2417	do 22...	John Jarrell.....	Mate, fore and aft, and steamer, in- land.	Kingston, Ont. ...	Kingston .....	2 00
2418	do 22...	James McDonnell .....	Master do do	do .....	do .....	4 00
2419	do 22...	John C. Nelson .....	Master, fore and aft, coasting.	Arcadia, N.S. ....	Yarmouth .....	4 00
2420	Mar. 22...	Peter Cameron .....	Mate, steamer, in- land.	Collingwood, Ont.	Toronto .....	2 00
2421	do 22...	John Bartley .....	Master, fore and aft, and steamer, in- land.	McDonald's P.O., Fredericksburg, Ont.	Kingston.....	4 00

\* Paid before.

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

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2422	Mar. 26...	William Hy. Bottum .....	Master, steamer, minor inland.	Bobcaygeon, Ont...	Toronto .....	4 00
2423	do 26...	Alex. McLeod ....	Mate, fore and aft, inland.	Kincardine, Ont...	do .....	2 00
2424	do 26...	Jno. McCulloch .....	Master, fore and aft, inland.	Windsor, Ont. ....	do .....	4 00
2425	do 30...	Cyrus S. Dean .....	Master, steamer, minor inland.	Fort Erie, U.S. ....	do .....	4 00
2426	April 2...	Edward Hewitt .....	Master, steamer, inland.	Toronto .....	do .....	4 00
2427	do 2...	John Moses .....	Mate, square rig, sailing vessel, inland.	Wallaceburg, Ont.	St. Catharines	2 00
2428	do 5...	Patrick Gallagher .....	Master do ...	St. Catharines, Ont	do ...	4 00
2429	do 6...	Malcolm Rosey .....	Mate, fore and aft, inland.	do do ...	do ...	2 00
2430	do 9...	Allan Gauthier .....	Master, steam tug, inland.	St. Ann's, P Q ....	Ottawa. ....	4 00
2431	do 12...	James Bell .....	Master, fore and aft, and steam tug, inland.	Burlington, Ont...	Toronto .....	4 00
2432	do 12...	Rich'd Fugler .....	do do ...	Toronto .....	do .....	4 00
2433	do 12...	Jno. E. Belyea .....	Master, steam tug, minor inland.	Penetanguishene.	do .....	4 00
2434	do 13...	William Gelliam .....	Mate, fore and aft, inland.	Bronté, Ont.....	do .....	2 00
2435	do 20...	William Vessey .....	Master, fore and aft, and steamer, inland.	Windsor, Ont.....	do .....	4 00
2436	do 20...	John S. Cameron .....	Master, steam tug, minor inland.	Gore Bay, Ont ....	do .....	4 00
2437	do 21...	James Lamb.....	Master, fore and aft, coasting.	Parrsboro', N.S....	Parrsboro' ....	4 00
2438	do 21...	Israel Haines .....	do do ...	Yarmouth, N.S....	Yarmouth.....	4 00
2439	do 21...	Harple Swansbury .....	do do ...	Shelburne, N.S....	Shelburne .....	4 00
2440	do 25...	George Mayers .....	Master, steamer, minor inland.	New Westminster, B.C.	Victoria, B.C..	4 00
2441	do 25...	John B. Bowerman .....	do do ...	Port Perry, Ont...	Toronto .....	4 00
2442	do 26...	Wm. Risley Fellows .....	Master, fore and aft, inland.	Blenheim, Ont.....	St. Catharines	4 00
2443	do 26...	Jeremiah Duprey .....	Master, fore and aft, inland.	River Ruscom, Essex Co., Ont	St. Catharines	4 00
2444	May 2...	Andrew Mulhern .....	Master, fore and aft, coasting.	Carleton, St John, N.B.	St. John .....	4 00
2445	do 5...	Alfred Allard.....	Mate, steamer, minor inland.	Sorel, P.Q.....	Montreal .....	2 00
2446	do 5...	Thomas Adams .....	Mate, fore and aft, inland.	Hamilton, Ont.....	St. Catharines	*
2447	do 6...	Thomas J. O'Neill .....	Master, steamer, inland.	Port Colborne, Ont	do ...	4 00
2448	do 7...	Stephen Tyo, jun. ....	Mate, fore and aft, inland.	Kingston, Ont.....	Kingston.....	2 00

\* Paid before.

## LIST of Certificates of Service granted to Masters and Mates—Continued.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					£ cts.
2449	May 7...	Richard Freeman .....	Mate, fore and aft, inland.	St. Catharines, Ont.	St. Catharines	2 00
2450	do 9...	John Milne .....	do do ...	Port Burwell, Ont.	do ...	2 00
2451	do 9...	Isidore Frenette .....	Master, steamer, minor inland.	Portneuf, P.Q.....	Quebec .....	4 00
2452	do 10...	William Wesley Stower..	Master, tug, minor inland.	Sombra, Lambton, Ont.	Toronto .....	4 00
2453	do 10...	Henry Colton.....	Mate, fore and aft, inland.	St. Catharines, Ont.	St. Catharines	2 00
2454	do 11...	Alfred St. Germain.....	Master, tug, minor inland	Ottawa .....	Ottawa .....	4 00
2455	do 11...	Theodore Hooper .....	Master, fore and aft, coasting.	Amherstburg, Ont.	St. Catharines	4 00
2456	do 12...	Thomas F. Hayes.....	Master, steamer, inland.	Kingston, Ont.....	Kingston.....	4 00
2457	do 17...	Robert Milne.....	do do ...	do .....	do .....	4 00
2458	do 21...	William Quinn .....	Master, fore and aft, coasting.	St. John, N.B.....	St. John.....	4 00
2459	do 25...	John Varner.....	Master, square rig, and steamer, inland.	Amherstburg, Ont.	St. Catharines	4 00
2460	do 27...	William Scollard.....	Master, steamer, minor inland.	Young's Point, Ont.	do ...	4 00
2461	do 27...	Henry Gibson.....	Mate, fore and aft, inland, steamer, Toronto Bay.	Toronto, Ont. ....	do ...	2 00
2462	do 30...	Robert W. Maloney .....	Master, steam tug, Thunder Bay.	Port Arthur, Ont..	Port Arthur ...	4 00
2463	June 7...	Elisha Ed. Grant .....	Master, square rig, coasting	Port Grenville, N.S.	Parrsboro' .....	*
2464	do 6...	James Malloy .....	Master, steamer, inland	Windsor, Ont.....	St. Catharines	4 00
2465	do 6...	John Welsh .....	Master, fore and aft, inland.	do .....	do ...	4 00
2466	do 6...	David Jno. Prichard .....	Master, steam tug, minor inland.	Bedford Mills, Leeds Co., Ont.	Ottawa.....	4 00
2467	do 6...	John W. Irwin .....	Master, fore and aft, inland fishing, steamer, Thunder Bay.	Port Arthur, Ont...	St. Catharines	4 00
2468	do 6...	Edward McCalpine.....	Master, steamer, Muskoka Lakes.	Gravenhurst, Ont.	Gravenhurst...	4 00
2469	do 4...	John Jesmer .....	Master, steamer, minor inland.	Cornwall, Ont.....	Kingston.....	4 00
2470	do 4...	Francis Dewitty.....	Master, fore and aft, sailing, inland.	Black River Bridge, Prince Edward Co., Ont.	do .....	4 00
2471	do 6...	Frederick Campbell.....	Mate, square rig, sailing, inland.	Port Dalhousie, Ont.	St. Catharines	2 00
2472	do 11...	Martin Staley .....	Master, fore and aft, inland.	Kingston, Ont.....	Kingston .....	4 00
2473	do 11...	Whitney O. Craft .....	Master, fore and aft, coasting.	Portland, N.B. ....	St. John.....	4 00
2474	do 14...	Ronald Jas. McDonell....	Master, square rig, inland.	Wallaceburg, Ont.	St. Catharines	4 00

\* Paid before.

## LIST of Certificates of Service granted to Masters and Mates—Continued.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2475	June 16...	David Coombes.....	Master, fore and aft, coasting	Gibson, N.B .....	St. John .....	4 00
2476	do 16...	Miles Murphy.....	Mate, steamer, inland	Elgin, Leeds Co., Ont.	Kingston.....	2 00
2477	do 23...	Robert Sutherland.....	Master, steamer, inland.	Windsor, Ont.....	St. Catharines	4 00
2478	do 23...	Alexander Dowling.....	Master, fore and aft, coasting.	St. John, N.B.....	St. John.....	4 00
2479	July 11...	Richard Bilton.....	Master, fore and aft inland.	Kingston.....	St. Catharines	4 00
2480	do 11...	Thomas Moffat.....	Master, tug, minor inland and passenger steamer.	Perth, Ont.....	Kingston.....	4 00
2481	do 12...	Michael Seroux .....	Master, steamer, inland.	Midland City.....	St. Catharines	4 00
2482	do 13...	James Kennedy.....	Master, steam tug, St. Mary River, Georgian Bay, Lake Huron.	Thessalon, Ont ...	do ...	4 00
2483	do 23...	Chas. B. Crawford.....	Master, ferry boat, Detroit River.	Windsor, Ont .....	do ...	4 00
2484	do 23...	Albert J. Huntoon.....	Master of a ferry boat on the Detroit River.	do .....	do ...	4 00
2485	do 25...	William Board.....	Mate, steamer, Muskoka Lakes.	Gravenhurst, Ont.	do ...	2 00
2486	do 25...	Frank Bernard.....	Mate, steam tug, inland waters.	Amherstburg.....	do ...	2 00
2487	do 29...	Robert Sterling.....	do do ...	Toronto .....	do ...	2 00
2488	do 29...	Gregory W. McGregor...	Master, steamer, inland.	Sarnia, Ont. ....	do ...	4 00
2489	July 29...	Walter Power .....	Master, steam tug, inland.	Wallaceburg, Ont.	St. Catharines	4 00
2490	Aug. 13...	Augustus Keller .....	Master, steamer, inland.	Mitchell's Bay, Kent Co., Ont.	do ...	4 00
2491	do 13...	John Lord Jemison .....	Mate, fore and aft, sailing, coasting	Hopewell Cape, Albert Co., N.B.	St. John.....	2 00
2492	do 13...	James B. McMillan.....	Master, st'r, ferry, Niagara River.	Niagara, Ont.....	St. Catharines	4 00
2493	do 13...	Daniel J. Kenney .....	Master, steamer, minor inland.	Jones' Falls, Ont..	Ottawa .....	4 00
2494	do 13...	Henry Clark.....	Mate, fore and aft, inland.	Barriefield, Ont. ...	Kingston .....	2 00
2495	do 20...	Robert Jas. Austin .....	Mate, fore and aft, sailing and st'r, inland.	Sunbury, Frontenac, Ont.	do .....	2 00
2496	do 22...	David H. Conly .....	Master, coasting ...	Lower Granville, N.S.	Thorn's Cove, N.S.	4 00
2497	do 23...	Alfred H. Titus .....	Mate, fore and aft, inland.	Sarnia, Ont. ....	St. Catharines	2 00
2498	do 30...	Robert Delaney .....	Master, steamer, inland.	Prescott, Ont. ....	Kingston .....	4 00
2499	Sept. 2...	William Griffin .....	Mate, fore and aft, sailing, inland	Hamilton, Ont .....	St. Catharines	2 00
2500	do 7...	Robert J. Ormiston .....	Master, fore and aft, sailing, coasting	Gabarus, Cape Breton.	Halifax.....	4 00
2501	do 7...	Thomas Lynch .....	Master, steamer, minor inland.	Westport, Ont.....	Ottawa.....	4 00

## LIST of Certificates of Service granted to Masters and Mates—Continued.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2502	Sept. 22...	James McHaney .....	Master, st'r, minor inland. Limited to Lake and River St. Clair, and Detroit River.	Mitchell's Bay, Kent Co., Ont.	St. Catharines	4 00
2503	do 22...	James Kirkwood .....	Mate, fore and aft, inland.	Kingston, Ont.....	Kingston .....	2 00
2504	do 22...	Reed Longmire .....	Mate, fore and aft, coasting.	Annapolis, N.S.....	St. John .....	2 00
2505	do 23...	William Armstrong .....	Master, tug Limited to Welland Canal.	Port Colborne, Ont	St. Catharines	4 00
2506	do 23...	Henry Walton.....	Master, st'r, minor inland. Limited to Muskoka Lakes, Parry Sound, and Maganetawan Sound.	Burk's Falls, Muskoka District.	do .....	4 00
2507	Oct. 10...	Samuel Lamberd... ..	Master, st'r, minor inland. Limited to Rice Lake, Ont.	Hastings, Ont .....	Toronto .....	4 00
2508	do 10...	Martin Brennan .....	Master, fore and aft, inland.	St. Catharines .....	St. Catharines	4 00
2509	do 10...	Robert Snetsinger .....	do do .....	Colborne .....	Cobourg .....	4 00
2510	do 10...	John A. McDonald.....	Mate, steamer, inland.	Dresden, Ont.....	St Catharines	2 00
2511	do 15...	William G. Dowling ...	Master, sq. rigged, coasting.	St. John, N.B. ....	St. John .....	4 00
2512	do 24...	Wilson Estabrook .....	Master, fore and aft, coasting.	Sackville, N.B .....	do .....	4 00
2513	do 28...	John Wm. Falker .....	Master, sq. rigged, coasting.	Hantsport, N.S.....	Halifax .....	2 00
2514	do 31...	John Omamese .....	Master, steam tug, Georgian Bay.	Indian Reserve ...	Toronto .....	4 00
2515	do 31...	William H. Goodwin .....	Master, fore and aft, coasting.	Lower Argyle, N.S	Yarmcuth .....	4 00
2516	Nov. 9...	Alfred Wm. Parkin .....	Master, steamer, minor inland.	Lindsay, Ont. ....	Toronto .....	4 00
2517	do 18...	William Alva McLellan..	Mate, fore and aft, coasting.	Port Greville, N.S	Halifax .....	2 00
2518	do 18...	James Merriam.....	do do .....	Parrsboro' N.S.....	do .....	2 00
2519	do 18...	James Slammon.....	Master, fore and aft, sailing inland.	Cobourg, Ont.....	Cobourg .....	4 00
2520	do 30...	Benjamin De W. King....	Master, fore and aft, coasting; mate, sea-going, fore and aft.	Parrsboro' N.S.....	Parrsboro' .....	4 00
2521	do 30...	De Wilton Holmes .....	do do .....	Hantsport, N.S.....	do .....	4 00
2522	do 30...	James Winter.....	Mate, fore and aft, inland.	Owen Sound, Ont.	Toronto .....	2 00
2523	Dec. 5...	Richard Oliver .....	Master, steam tug, N. side Georgian Bay.	Little Current, Ont	St. Catharines	4 00
2524	do 6...	Herman R. Smith.....	Master, steamer, coasting.	Victoria, B.C.....	Victoria .....	4 00

LIST of Certificates of Service granted to Masters and Mates—*Concluded.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2525	Dec. 13...	John Burge .....	Master, fore and aft, inland.	Port Burwell, Ont.	St. Catharines	4 00
2526	do 21...	Pierre Sauvé .....	Master, steam tug, minor inland.	Carillon, Que.....	Ottawa....	4 00
2527	do 24...	James Quirk .....	Mate, fore and aft, inland.	Collingwood, Ont.	St. Catharines	2 00
2528	do 31...	Thomas Penny.....	Master, steam tug, minor inland.	Vancouver, B.C....	Victoria .....	4 00
2529	do 31...	Thomas J. Sims .....	Master, fore and aft-and st'r, coasting	do .....	do .....	4 00
2530	do 31...	Angel Keffee .....	do do ...	Victoria, B.C.....	do .....	4 00

## SERVICE—SEA-GOING.

1394	Feb. 8...	Samuel Berry Hicks .....	Mate, fore and aft, not exceeding 150 tons.	Liverpool, N.S.....	Liverpool.....	3 00
1395	do 8...	Abraham Melson .....	Master do ...	Port Medway, N.S.	do .....	5 00
1396	Mar. 2...	Levi Caldwell .....	Mate.....	Summerville, Hants Co., N.S.	Halifax .....	3 00
1397	do 26...	Edward Crews .....	Mate, sq. rigged, not exceeding 150 tons.	Barrington, N.S....	Yarmouth .....	5 00
1398	Aug. 22...	Herbert Johnson .....	Mate, fore and aft, sailing under 150 tons.	Lower Granville, N.S.	Thorne's Cove, N.S.	5 00
1399	Oct. 10...	Isaac W. Bagnall .....	Master, fore and aft, sailing under 150 tons.	Sydney, C.B.....	Halifax.....	5 00
1400	Dec. 21...	Charles W. Starkey .....	Master, fore and aft, sailing.	Portland, N.B.....	St. John.....	5 00

LIST of Certificates of Competency granted to Masters and Mates of Inland and Coasting Vessels, for the Year ended 31st December, 1887.

COMPETENCY.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
239	Jan. 25...	Chas. C. Rhuland. ....	Master, fore and aft, coasting.	Lunenburg, N.S. ...	Lunenburg ....	8 00
240	do 29...	Chas. E. Smith ....	do ...	do ...	do ....	8 00
241	Feb. 4...	Hedley Ryder ....	do ...	Lower Argyle, N.S.	Yarmouth.....	8 00
242	do 9...	Thomas A. Martin .....	Mate, steamer, inland.	Craigleith P. O., Ont.	Toronto .....	4 00
243	do 9...	James Wilson.....	do ...	Collingwood, Ont.	do .....	4 00
244	do 9...	James S. McPherson.....	Master, steamer, minor inland.	Rama, Ont. ....	do .....	*
245	do 8...	William A. Glass.....	Master, fore and aft, inland.	Sarnia, Ont. ....	do .....	*
246	do 10...	John Durney .....	Mate, steamer, inland.	Collingwood, Ont.	do .....	4 00
247	do 11...	Rory A. Finlayson .....	Mate, steamer, and fore and aft, sailing, inland.	Sarnia.....	do .....	4 00
248	do 14...	Michael Kennedy .....	Master, steamer, inland.	Kingston. ....	do .....	8 00
249	do 19...	Henry Pearce.....	Mate, steamer, inland; master steamer, minor inland.	Collingwood.....	do .....	4 00
250	do 24...	John McIntyre.....	Mate, steamer, inland.	Presque Isle, Ont..	do .....	*
251	March 2...	Wm. Kennedy.....	do ...	Toronto .....	do .....	4 00
252	do 2...	Janvier Blais.....	Master, square rig, coasting.	Berthier, en bas, Q.	Quebec. ....	8 00
253	do 2...	Samuel Hilton.....	Master, fore and aft, coasting.	Petite River, N.S..	Lunenburg ....	8 00
254	do 8...	James Black.....	Mate, steamer, inland.	Kileyth, Ont.....	Toronto .....	4 00
255	do 8...	Josiah Wolfe.....	Master, square rig, coasting.	West Dublin, N.S.	Lunenburg ....	8 00
256	do 10...	Joseph W. Silver .....	Master, fore and aft, coasting.	Upper La Have, N.S.	do ....	8 00
257	do 14...	Gabriel H. Conrad.....	do ...	Lunenburg, N.S. ...	do ....	8 00
258	May 4...	Franklin Jas. Smith.....	Mate, fore and aft, inland.	Cobourg, Ont. ....	St. Catharines.	*
259	Mar. 17...	Luke O'Reily .....	Master, fore and aft, and mate, steamer inland.	Garden Island, Ont.	Kingston.....	8 00
260	do 17...	Jno. Geo. Barnes.....	Master, fore and aft, inland.	Owen Sound, Ont.	Toronto .....	8 00
261	do 19...	Jno. Jas. Shanklin .....	Master, steamer, minor inland.	Springfield. King's Co., N.B.	St. John.....	8 00
262	do 22...	Napoléon Cloutier .....	Master, steamer, minor inland.	Penetanguishene, Ont.	Toronto .....	8 00
263	do 22...	Wm. Fred. McGiffin.....	Master, fore and aft, inland.	Toronto, Ont. ....	do .....	†

\* Paid in 1886. † Paid in 1884.

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

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
264	Mar. 30...	Paul Lachance.....	Mate, square rig, and steamer, coasting.	Quebec.....	Quebec.....	4 00
265	April 2...	John McLean.....	Master, fore and aft, inland.	Goderich, Ont.....	Toronto.....	8 00
266	do 4...	Hy. Edwin Crow.....	Master, steamer, minor inland.	Chatham, Ont.....	do.....	8 00
267	do 5...	William Shupe.....	Master, fore and aft, coasting.	Lunenburg, N.S. ...	Lunenburg. ...	8 00
268	do 5...	Bodford Tower.....	do	Sackville, N.B.....	St. John ...	8 00
269	do 6...	Jas. B. McCallum.....	Master, steam tug, inland.	Welland, Ont.....	St. Catharines	8 00
270	do 9...	Hy. Robert Brown.....	Master, steam tug, coasting	St. Martin's, N.S. ...	St. John.....	8 00
271	do 12...	Robert Rankin.....	Master, fore and aft, inland.	Toronto ...	Toronto.....	8 00
272	do 12...	James M. Stitt.....	Master, steam tug, inland.	Cardinal, Ont.....	Ottawa.....	8 00
273	do 12...	Edward Armstrong.....	Master, steam tug, minor inland.	Port Colborne.....	St. Catharines	8 00
274	do 13...	John J. Fahey.....	Mate, fore and aft, inland.	St. Catharines ...	do ...	*
275	do 15...	Robert Thompson.....	Master, fore and aft, inland.	do .....	do ...	8 00
276	do 19...	Jno. Jos. Gallagher.....	Mate, square rig, inland.	do .....	do ...	4 00
277	do 26...	Jno. Peterson.....	Master, minor in- land harbours of great lakes.	Port Colborne, Ont	do ...	8 00
278	do 29...	Michael Wm. Thorne.....	Mate, minor, in- land.	Portland, N.B.....	St. John.....	4 00
279	do 30...	Hans Guttormsen.....	Master, square rig, coasting.	Victoria.....	Victoria.....	8 00
280	do 30...	Joseph Ache.....	Master, fore and aft, inland.	Garden Island, Ont	Kingston.....	8 00
281	May 4...	Edwin Smades.....	Master, steamer, Inland.	Ogdensburg, N.Y.	Ottawa.....	8 00
282	do 4...	Raphael Reneaud.....	Mate, steamer, in- land.	St. Louis de Gon- zague, Que.	do.....	4 00
283	do 5...	Jno. J. Moffatt.....	Master, steamer, minor inland.	North Sydney.....	Sydney, C.B...	8 00
284	do 5...	Andrew Welsh.....	Mate, fore and aft, inland.	St. Catharines ...	St. Catharines	4 00
285	do 12...	Wm. Welsh.....	Master, fore and aft, inland.	do .....	do ...	8 00
286	do 20...	Thos. C. Worden.....	Master, steamer, minor inland	Johnston, Queen's Co., N.B.	St. John.....	8 00
287	do 25...	Calvin Hicks.....	Mate, fore and aft, and Master, steamer, inland.	Toronto.....	St. Catharines	8 00
288	do 25...	Alexander Martin.....	Master, steamer, and Mate, square rig, inland.	do .....	do ...	8 00
289	do 22...	Jas. K. Harbottle.....	Master, steamer, inland.	do .....	do ...	8 00

\* Paid in 1886.



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

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
290	May 27...	Samuel McCaig.....	Mate, fore and aft, inland; Master, steamer, Toronto Bay.	Toronto .....	St. Catharines	"
291	June 6...	James McSherry.....	Master, steamer, and Mate, fore and aft, inland.	do .....	do ...	8 00
292	do 6...	William E. Murphy.....	Master, steamer, inland.	do .....	do ...	8 00
293	do 7...	Patrick J. McSherry.....	Master, steamer, and Mate, fore and aft, inland.	do .....	do ...	8 00
294	do 8...	James D. Sanderson.....	Master, steamer, inland.	do .....	do ...	8 00
295	do 8...	Andrew J. Tynon.....	do do ...	do .....	do ...	8 00
296	do 8...	Jno. Jas. Quinn.....	do do ...	do .....	do ...	8 00
297	do 10...	D. D. L. Whittaker.....	Master, fore and aft, coasting	St. John, N.B. ....	St. John .....	8 00
298	do 11...	Andrew Norwood.....	Master, steamer, minor inland.	Gagetown, N.B....	do .....	8 00
299	do 16...	William Alguire.....	Master, tug, minor inland, St. Lawrence and Ottawa	Dickinson's Land- ing.	Ottawa.....	8 00
300	July 2...	Hugh McIntyre.....	Mate, steamer, inland.	Toronto .....	St. Catharines	4 00
301	do 27...	Isaac M. Gerow.....	Master, steam tug, between Burks' Falls and Ahmic Harbour.	Burks' Falls, Ont..	Toronto .....	8 00
302	do 25...	Robert Maines.....	Master, steamer, inland.	Victoria, Ont.....	St. Catharines	8 00
303	do 29...	James A. King.....	Master, steam ferry, Niagara River.	St. Catharines.. ..	do ...	8 00
304	Aug. 5...	Frederick J. Snider.....	Master, steamer, inland, limited to St. Mary's River	Bruce Mines, Ont..	do ...	8 00
305	do 6...	Joseph Deacon.....	Master, tug, minor inland, Welland Canal.	Port Colborne, Ont.	do ...	8 00
306	do 25...	Jno. McCabe.....	Master, square rig, coasting	South Bars, C.B., N.S.	Sydney.....	8 00
307	do 6...	Hugh Barrett.....	Mate, ferry steamer, Niagara River	International Bridge, Ont.	St. Catharines	4 00
308	do 8...	Albert Patterson.....	Mate, fore and aft.	St. Catharines, Ont.	do ...	4 00
309	do 8...	Samuel S. Elliot.....	Master, steamer, coasting.	Portland, N.B.....	St. John.....	8 00
310	Aug. 8...	Duncan B. Christie.....	Master, steamer, inland.	Picton, Ont.....	Kingston.....	"
311	Sept. 5...	James Wm. Fardie.....	Master, fore and aft, coasting.	St. John.....	St. John.....	8 00
312	do 5...	James Peter Bendrodt...	Master, steamer, coasting.	Victoria, B.C.....	Victoria .....	8 00

\* Paid in 1886.

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

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
313	Sep. 22...	Samuel J. McCoppen.....	Master, tug, minor inland. Limited to Welland Canal and harbour of Port Dalhousie, Ont.	Port Colborne, Ont	St. Catharines	8 00
314	Oct. 10...	Henry Arthur Hamilton .	Master, square rig, coasting.	St. John, N.B. ....	St. John.....	8 00
315	do 10...	Narcisse C. Dufresne ....	Master, steamer, inland.	Deschambault, P.Q.	Quebec.....	8 00
316	do 10...	Théophile Jean.....	Master, steamer, minor inland.	Point Lévis, Que...	do .....	8 00
317	Nov. 9...	Côme Langlois .....	do do ...	Grosse Isle, P.Q....	do .....	8 00
318	do 9...	James Bryne .....	Master, square rig, coasting	Sydney, C.B.....	Sydney.....	8 00
319	do 21...	Enos Huntly.....	Master, fore and aft, coasting.	St. John, N.B. ....	St. John.....	8 00
320	Dec. 7...	James Lewis .....	Master, square rig, coasting	Sydney, C.B .....	Sydney ... ..	8 00
321	do 15...	Alex. H. Malcolmson ...	Master, steamer, inland.	Hamilton, Ont ....	Toronto.....	8 00
322	do 21...	John Ryan .....	Mate do ...	Toronto, Ont. ....	St. Catharines	4 00
323	do 31...	Christopher S. Steves....	Master, fore and aft, coasting.	Hillsboro', N.B.....	St. John.....	8 00
324	do 31...	Reed Longmire .....	do do ...	Annapolis, N.S....	do .....	8 00
						564 00

## COMPETENCY—SEA-GOING.

## LIST of Certificates of Competency granted to Masters and Mates.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2389	Jan. 29...	Israel M. Nickerson.....	Mate.....	Sand Beach, N.S...	Yarmouth .....	5 00
2390	do 29...	Nehemiah Wilson.....	do .....	Barrington, N.S....	do .....	5 00
2391	do 29...	Levi Putnam.....	Master .....	Maitland, N.S. ....	Halifax .....	10 00
2392	do 29...	Everett McDougall.....	do .....	South Maitland N.S.	do .....	10 00
2393	do 29...	Charles McDonald.....	Mate.....	Mainadieu, Cape Breton, N.S.	do .....	†
2394	Feb. 4...	Nelson A. Withers .....	Second Mate.....	St. John, N.B.....	St. John.....	5 00
2395	do 4...	Ingram Troop .....	Master .....	Moncton, N.B.....	do .....	†
2396	do 19...	Harris C. Pickels.....	Mate .....	Mahone Bay, N.S...	Halifax .....	5 00
2397	do 19...	Richard Lee .....	Master .....	Harbourville, N.S.	do .....	10 00
2398	do 19...	William S. Hayes.....	do .....	Maitland, N.S. ....	do .....	10 00
2399	do 19...	Herbert McDougall .....	do .....	South Maitland, N.S.	do .....	10 00
2400	do 24...	Francis Stewart .....	do .....	Liverpool, G.B....	St. John .....	10 00
2401	do 24...	William McBride.....	Mate .....	Harbourville, N.S.	do .....	5 00
2402	do 19...	Peter LeBlanc .....	do .....	Arichat, N.S. ....	Halifax.....	5 00
2403	Mar. 2...	Henry P. Dennis.....	do .....	Rockville, Yar- mouth, N.S.	Yarmouth .....	5 00
2404	do 2...	Alfred H. Durkee.....	Master .....	Carleton, Yar- mouth, N.S.	do .....	10 00
2405	do 10...	Zephirin Lemieux.....	do .....	St. Vallier, Que...	Quebec.....	10 00
2406	do 10...	Joseph Thos. Chalifour..	do .....	L'Islet, Que .....	do .....	10 00
2407	do 23...	David Foote.....	Mate.....	Pictou, N.S. ....	Halifax.....	5 00
2408	do 23...	Jno. Wm. McKenzie .....	do .....	do .....	do .....	5 00
2409	do 23...	Henry P. Weaver .....	do .....	Middleton, N.S....	do .....	5 00
2410	do 23...	Jno. Thos. Rice.....	do .....	Pictou, N.S.....	do .....	5 00
2411	Mar. 23...	James Edward King .....	Master.....	Windsor, N.S.....	Halifax.....	10 00
2412	do 23...	James Betts .....	do .....	New Glasgow, N.S.	do .....	10 00
2413	do 23...	Edwin Kennedy .....	do .....	Souris, P.E.I.....	do .....	10 00
2414	do 23...	Wm. Peoples Harvie.....	do .....	Avondale, N.S.....	do .....	†
2415	do 28...	Robt. C. Wells .....	Mate.....	Sackville, N.B. ..	St. John.....	†
2416	April 4...	Zebina Durkee.....	do .....	Hartford, N.S.....	Yarmouth .....	†

† Paid before.

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

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2417	April 4...	Alfred W. Warner.....	Master .....	Plympton, N.S.....	Yarmouth.....	10 00
2418	do 19...	Joseph Pouliot.....	do .....	St. Jean, Isle d'Orleans, P.Q.	Quebec.....	10 00
2419	do 19...	Paul Lachance.....	2nd Mate.....	do .....	do .....	5 00
2420	do 22...	Bradford W. Morris.....	Master .....	Advocate Harbor, N.S.	St. John .....	10 00
2421	do 22...	Wm. Lewis Smith.....	Mate.....	St. Martins, N.B...	do .....	5 00
2422	do 22...	Jas. Samuel Osborn.....	do .....	St. John, N.B.....	do .....	*
2423	May 7...	David R. Williams.....	Master .....	Gaspereaux, N.S...	Yarmouth .....	10 00
2424	do 7...	Almond W Wyman.....	Mate.....	Yarmouth, N.S....	do .....	5 00
2425	do 7...	George Ed. Purdy.....	do .....	Bear River, Digby Co., N.S.	do .....	5 00
2426	April 22...	Jno. E. Curtis.....	2nd Mate.....	Damariscotta, U.S.	St. John.....	5 00
2427	May 16...	George Strupart.....	Mate.....	Halifax, N.S.....	Halifax.....	*
2428	do 16...	Gordon Beattie.....	do .....	Economy, N.S....	do .....	5 00
2429	do 16...	Thomas Bollong.....	Master .....	Halifax, N.S.....	do .....	10 00
2430	do 18...	James N. Knox.....	do .....	St. John, N.B.....	St John.....	10 00
2431	do 18...	Henry Mowatt.....	do .....	St. Andrews, N.B.	do .....	10 00
2432	do 18...	Patrick Edwd. McMurray	2nd Mate .....	St. John, N.B.....	do .....	5 00
2433	do 18...	Jno. Joseph Campbell...	do .....	do .....	do .....	5 00
2434	June 20...	Jno. J. Wren.....	Master .....	St. Andrews, N.B.	St. John.....	10 00
2435	do 20...	Jesse Ed. Anderson.....	Mate .....	Sackville, N.B.....	do .....	5 00
2436	do 20...	Stuart G. Fulton.....	do .....	Londonderry, N.S.	do .....	5 00
2437	do 20...	Joseph J. Donovan.....	Master .....	St. John, N.B.....	do .....	10 00
2438	do 20...	Bernard Carland.....	do .....	Tynmouth Creek, N.B.	do .....	10 00
2439	do 20...	Jno. Slattery.....	do .....	Dungarven, Ireland	do .....	10 00
2440	do 20...	Ralph H. Goudey.....	Mate.....	Yarmouth, N.S.....	Yarmouth .....	5 00
2441	do 18...	Charles J. Moses.....	do .....	do .....	do .....	5 00
2442	do 20...	J. E. T. How.....	do .....	Shelburne, N.S.....	do .....	5 00
2443	do 20...	Chas. Edgar Ross.....	do .....	Yarmouth, N.S. ..	do .....	5 00
2444	do 18...	John Wm. Carey.....	Master .....	Parrsboro', N.S.....	do .....	10 00

\* Paid in 1886

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

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2445	June 20...	Samuel S. Patterson .....	Master .....	Port La Tour, N.S.	Yarmouth' .....	10 00
2446	do 18...	Wentworth E. Baker .....	do .....	Yarmouth, N.S....	do .....	*
2447	do 22...	George Urquhart .....	do .....	Folly Village, N.S.	Halifax .....	10 00
2448	do 23...	Richard J. Warner .....	Mate .....	Plympton, N.S....	do .....	5 00
2449	do 22...	Caleb McDougall .....	do .....	Maitland, N.S. ....	do .....	*
2450	do 22...	Welton Davison .....	do .....	Hantsport, N.S....	do .....	*
2451	do 22...	James Lombard .....	2nd Mate .....	Medford, N.S. ....	do .....	*
2452	Aug. 1...	Brian Carroll .....	Mate .....	Pictou, N.S. ....	do .....	5 00
2453	do 1...	James B. Hill .....	Master .....	Londonderry, N.S.	do .....	10 00
2454	do 1...	James D. McKenzie .....	do .....	Pictou, N.S. ....	do .....	10 00
2455	do 1...	Daniel A. McLeod .....	Mate .....	Point Prim, P.E.I.	do .....	5 00
2456	do 1...	George W. McBurnie .....	do .....	Newport, N.S. ....	do .....	5 00
2457	Aug. 9...	Alfred Manley .....	Mate .....	St. John, N.B. ....	St. John .....	*
2458	do 13...	James F. Munro .....	Master .....	Portland, N.B. ....	do .....	*
2459	do 13...	John S. Harris .....	Mate .....	Bear River, N.S....	do .....	*
2460	do 15...	Robert Fraser .....	do .....	Pictou, N.S. ....	Halifax .....	5 00
2461	do 15...	Edmund E. Manning .....	do .....	Bridgewater, N.S..	Yarmouth .....	*
2462	do 15...	Silas M. Masters .....	do .....	Newport, N.S. ....	Halifax .....	5 00
2463	do 15...	Douglas A. Melvin .....	do .....	Halifax, N.S. ....	do .....	5 00
2464	do 15...	Hector Campbell .....	2nd Mate .....	Cape Traverse, P.E.I.	do .....	5 00
2465	do 15...	George C. McLaughlin .....	Master .....	Annapolis, N.S....	Yarmouth .....	10 00
2466	do 15...	Charles Fredk. Leary .....	do .....	Sandy Cove, Digby Co., N.S.	do .....	10 00
2467	do 22...	Ehrett H. Crowe .....	Mate .....	Londonderry, N.S.	St. John .....	5 00
2468	do 22...	Frank C. Bogart .....	do .....	Lower Granville, N.S.	do .....	5 00
2469	do 22...	Budd DeM. Melvin .....	do .....	St. John, N.B. ....	do .....	5 00
2470	do 22...	Henry Crocker .....	do .....	Sackville, N.B. ....	do .....	5 00
2471	do 22...	William I. Tait .....	do .....	St. John, N.B. ....	do .....	5 00
2472	do 22...	William H. Norcott .....	do .....	Halifax, N.S. ....	Halifax .....	*

\* Paid in 1886.

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

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2473	Sept. 22...	George M. Reid .....	Master .....	Harvey, N.B.....	St. John.....	10 00
2474	do 26...	Thomas Henry Helms .....	do .....	Cheboque, N.S....	Yarmouth.....	10 00
2475	do 26...	Walter L. McLean .....	Mate .....	St. John, N.B.....	do .....	5 00
2476	do 26...	James Ed. Morris.....	Master .....	Harborville, N.S...	do .....	10 00
2477	do 26...	Lindsay R. Perry .....	Mate .....	Yarmouth, N.S.....	do .....	*
2478	do 26...	Charles H. S. Saunders..	do .....	Sandy Cove, N.S...	do .....	5 00
2479	Sept, 28...	Blanchard Gardner.....	Master .....	Liverpool, N.S.....	St. John, N.B.	10 00
2480	do 28...	Bliss B. Anderson.....	Master .....	Shemogue, N.B.....	St. John.....	10 00
2481	Oct. 3...	Alex. D. Faulkner .....	do .....	Londonderry, N.S.	Halifax.....	10 00
2482	do 3...	William Salisbury .....	Mate .....	River John, N.S...	do .....	5 00
2483	do 3...	John A. Liswell .....	do .....	Burlington, N.S....	do .....	5 00
2484	do 4...	Judson W. Wyman .....	do .....	Yarmouth, N.S.....	Yarmouth.....	*
2485	do 4...	Howard A. Murphy.....	Master .....	do .....	do .....	10 00
2486	do 11...	Marshall Terfry .....	do .....	Hantsport, N.S....	Halifax.....	10 00
2487	do 11...	Benjamin Terfry.....	Mate .....	do .....	do .....	5 00
2488	do 11...	Charles McDonald.....	2nd Mate.....	Georgetown, P.E.I.	do .....	5 00
2489	do 24...	Dudley L. D. Wilbur....	Mate .....	Dorchester, N.B....	St. John.....	5 00
2490	do 24...	George W. Grant.....	Master .....	Weymouth, N.S....	do .....	10 00
2491	do 31...	Percy E. Crosby.....	do .....	Beaver River, Yar- mouth, N.S.	Yarmouth.....	*
2492	do 31...	Samuel Purdy .....	Mate .....	Yarmouth, N.S....	do .....	*
2493	do 31...	Robert Patten .....	Master .....	Hartford, Yar- mouth, N.S.	do .....	10 00
2494	Nov. 15...	Thomas D. Mosher.....	do .....	Avondale, N.S....	Halifax.....	10 00
2495	do 15...	Emerson Graves.....	do .....	Aylsford, N.S.....	do .....	10 00
2496	do 15...	James McNeil.....	Mate.....	Little Glace Bay, C.B.	do .....	5 00
2497	do 15...	Mayor G. Mosher.....	do .....	Newport, N.S....	do .....	5 00
2498	do 21...	George L. Welch .....	Master .....	St. John, N.B.....	St. John.....	10 00
2499	do 21...	Everett E. Thompson ..	Mate .....	Economy, N.S....	do .....	5 00
2500	do 29...	Harry H. Cook .....	Master .....	Chabegue, N.S....	Yarmouth.....	10 00

\* Paid in 1886.

LIST of Certificates of Competency granted to Masters and Mates—*Concluded.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
2501	Nov. 29...	Andrew J. Simms.....	Master .....	Plymouth, N.S.....	Yarmouth .....	10 00
2502	do 29...	Burwell C. Goudey.....	do .....	Yarmouth, N.S.....	do .....	10 00
2503	Dec. 10...	Albert Mailman.....	Mate .....	Annapolis, N.S.....	Halifax.....	5 00
2504	do 10...	George Waters .....	do .....	Pictou, N.S.....	do .....	5 00
2505	do 10...	Fred. A. Smith .....	do .....	Windsor, N.S.....	do .....	5 00
2506	do 10...	Melvin O'Brien.....	Master .....	Noel, N.S.....	do .....	10 00
2507	do 10...	Frank E. Dodge .....	do .....	Mount Denson, N.S.	do .....	10 00
2508	do 10...	Howard Densmore .....	2nd Mate .....	Noel, N.S.....	do .....	*
2509	do 10...	Mayor Hy. Greene.....	Mate .....	Windsor, N.S.....	do .....	*
2510	do 10...	Frederick Nelson .....	do .....	Crapaud, P.E.I....	do .....	5 00
2511	do 14...	Charles D. Bowers.....	2nd Mate.....	Bridgewater, N.S..	St John .....	5 00
2512	do 14...	Joseph W. Morris.....	Master .....	Spencer's Island, N.S.	do .....	10 00
2513	do 14...	Oscar B. Morris.....	do .....	Advocate Harbour, N.S.	do .....	10 00
2514	do 14...	Fred. H. Griffith.....	do .....	St. Martin's, N.B..	do .....	10 00
2515	do 20...	Wallace P. Jeffery.....	do .....	Sand Beach, N.S...	Yarmouth .....	10 00
2516	do 20...	Frank B. Baker.....	2nd Mate.....	do .....	do .....	5 00
						790 00

\* Paid in 1886.

## ENGINEERS.

## LIST of Certificates of Competency granted to Engineers.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
1	April 7...	George C. L. Miller .....	4th Class.....	St. Catharines, Ont.	Toronto .....	5 00
2	do 7...	Jos. J. Ramsey .....	4th do .....	do .....	do .....	5 00
3	do 7...	Donald Kelly .....	4th do .....	Collingwood, Ont.	do .....	5 00
4	do 7...	William Wood.....	4th do .....	Hamilton, Ont.....	do .....	5 00
5	do 7...	Ed. Wm. McKean .....	2nd do .....	do .....	do .....	5 00
6	do 7...	Charles Johnston .....	3rd do .....	Chatham, N.B. ....	Chatham.....	5 00
7	do 7...	Frank De Wolf Cahan ...	2nd do .....	Yarmouth, N.S. ....	Halifax .....	5 00
8	do 7...	Henry C. Creighton ...	2nd do .....	Chatham, N.B.....	do .....	5 00
9	do 7...	James Stewart.....	2nd do .....	Portsmouth, Ont...	Kingston .....	5 00
10	do 7...	John C. Sims .....	2nd do .....	Halifax, N.S. ....	Halifax .....	5 00
11	do 7...	Dennis J. Murray .....	2nd do .....	do .....	do .....	5 00
12	do 7...	Lewis A. Legendre .....	4th do .....	Ste. Croix, P.Q....	Quebec .....	5 00
13	do 7...	William N. Lewis .....	2nd do .....	Midland, Ont. ....	Toronto .....	5 00
14	do 7...	Franklin Greig .....	3rd do .....	Halifax, N.S. ....	Halifax .....	5 00
15	do 7...	Fred'k M. Baillie.....	3rd do .....	Gravenhurst, Ont.	Toronto .....	5 00
16	do 7...	Jos. F. Taylor .....	3rd do .....	Windsor, Ont.....	do .....	5 00
17	do 7...	Jas. Payne .....	3rd do .....	Collingwood, Ont.	do .....	5 00
18	do 12...	Wm. E. Simpson .....	4th do .....	do .....	do .....	5 00
19	do 12...	Finley Wilson .....	4th do .....	Pictou, Ont.....	do .....	5 00
20	do 12...	David L. Johnston.....	4th do .....	Chatham, Ont.....	do .....	5 00
21	do 12...	Thomas Duncan .....	4th do .....	Peterboro', Ont. ...	do .....	5 00
22	do 12...	Wm. Beck.....	4th do .....	Collingwood, Ont.	do .....	5 00
23	do 12...	Nathaniel Cartmill.....	4th Class.....	Kingston, Ont.....	Kingston.....	5 00
24	do 12...	Henry Brownley.....	4th do .....	do .....	do .....	5 00
25	do 12...	Jas. O. Hickley.....	4th do .....	Garden Island, Ont.	do .....	5 00
26	do 12...	James McCarron.....	4th do .....	Charlottetown, P.E.I.	Charlottetown	5 00
27	do 12...	Jas. H. Hayter.....	4th do .....	St. John, N.B.....	St. John .....	5 00
28	do 12...	Edouard Fontaine.....	4th do .....	St. Aquapit, P.Q...	Quebec .....	5 00
29	do 16...	Edmond Moore.....	3rd do .....	Sorel, P.Q.....	Montreal. ....	5 00



## LIST of Certificates of Competency granted to Engineers.

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
30	April 16...	Lucien Marchand.....	3rd Class.....	Montreal.....	Montreal.....	5 00
31	do 16...	Wm. Devon.....	2nd do .....	Halifax, N.S.....	Halifax.....	5 00
32	do 16...	Jean B. Lacroix.....	2nd do .....	Bienville Village, P.Q.	Quebec.....	5 00
33	do 16...	Ambrose Carney.....	4th do .....	Windsor, Ont.....	Windsor.....	5 00
34	do 16...	David Foley .....	4th do .....	Toronto.....	Toronto.....	5 00
35	do 16...	James Hopkins.....	4th do .....	do .....	do .....	5 00
36	do 16...	Siméon Thériault.....	4th do .....	Lévis, P.Q.....	Quebec.....	5 00
37	do 16...	Henry J. Siteman.....	4th do .....	Dartmouth, N.S....	Halifax.....	5 00
38	May 7...	John Doran.....	1st do .....	Toronto .....	Toronto.....	5 00
39	do 7...	Richard Childs.....	3rd do .....	do .....	do .....	5 00
40	do 7...	James T. Steele.....	4th do .....	Owen Sound, Ont.	Owen Sound...	5 00
41	do 7...	John G. Barrington.....	3rd do .....	North Sydney, C.B.	Pictou.....	5 00
42	do 7...	Fred. H. Hand .....	4th do .....	Point St. Charles, P.Q.	Montreal.....	5 00
43	do 7...	Louis Charland.....	4th do .....	Montreal.....	do .....	5 00
44	July 14...	Thos. J. Blain.....	4th do .....	Owen Sound, Ont.	Toronto.....	5 00
45	do 14...	William G. Reggs.....	4th do .....	Toronto, Ont.....	do .....	5 00
46	do 14...	Alex. George Andrew....	3rd do .....	Owen Sound.....	do .....	5 00
47	do 20...	John M. Donaldson.....	4th do .....	Toronto .....	do .....	5 00
49	do 20...	Frank McDonald.....	4th do .....	Windsor, Ont.....	Windsor.....	5 00
50	do 20...	Michael Rourke.....	4th do .....	Walkerville, Ont..	do .....	5 00
51	do 20...	Frank Mehahey.....	4th do .....	Port Colborne, Ont.	St. Catharines	5 00
52	do 20...	Robert Saxly.....	4th do .....	Toronto, Ont.....	Toronto.....	5 00
53	Nov. 12...	James Montgomery.....	3rd do .....	New Westminster, B.C.	Victoria.....	5 00
54	do 12...	Edmund C. Shepherd....	3rd do .....	Rock Bay, Victoria, B.C.	do .....	5 00
55	do 12...	Wm. W. McGuire.....	3rd do .....	Chatham, N.B.....	Halifax.....	5 00
56	do 12...	John R. Woolover.....	3rd do .....	Hantsport, N.S....	do .....	5 00
57	do 12...	John A. Rowe.....	3rd do .....	Charlottetown, P.E.I.	do .....	5 00
58	do 12...	James W. Meldram.....	4th do .....	Victoria, B.C.....	Victoria.....	5 00
59	do 12...	Judson A. Pentz .....	4th do .....	Hantsport, N.S....	Halifax.....	5 00

LIST of Certificates of Competency granted to Engineers—*Concluded.*

No. of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1887.					\$ cts.
60	Nov. 12...	Patrick Curr.....	4th Class. ...	Port Dalhousie, Ont.	Toronto .....	5 00
61	do 12...	Alexander Campbell.....	4th do .....	Pictou, N.S. ..	Halifax.....	5 00
62	do 11...	William J. Cullum.....	2nd do valid in Great Britain and possessions.	Victoria, B.C.....	Victoria.....	5 00
63	do 11..	John Cooke.....	1st class, valid in Great Britain and possessions.	Pictou, N.S. ....	Montreal.....	5 00
						310 00

## APPENDIX No. 26.

REPORT OF THE PORT WARDEN FOR THE PORT OF MONTREAL FOR  
THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.OFFICE BOARD OF TRADE,  
MONTREAL, 6th, January 1887.

SIR,—I have the honour, by direction of the Council of this Board and in compliance with section 31 of the Act governing the Post Warden Office, 45 Vic., Chap. 45, to transmit herewith documents, as follows:—

1. The Port Warden's Report for the year 1887.
2. Audited statement of receipts and expenditures of the Port Warden Office for the year ended 31st December, 1887.
3. Statement of investments of the Port Warden Surplus Fund.

I have the honour to be, Sir,

Your obedient servant,

GEO. HADRILL,

*Secretary.*

Hon. GEO. E. FOSTER,  
Minister of Marine and Fisheries,  
Ottawa.

OFFICE OF THE PORT WARDEN,  
MONTREAL, 31st December, 1887.

GENTLEMEN,—I have the honour to submit the annual report of the business of this office, with statements of receipts and expenditure for the past year.

Navigation opened on the 1st May with the arrival from winter quarters of a number of small craft, and on the 3rd May the steamship "Oregon," Capt. Williams, of the Dominion Steamship Line, arrived from sea; other vessels rapidly followed, and on the 25th May the first sailing vessel, the barque "Lady Dufferin," laden with sugar, arrived from Halifax, where she had wintered, the season being too far advanced for her to come up the River St. Lawrence last year.

The steamship "Concordia," Capt. McLean, was the first vessel to arrive by way of the Straits of Belle Isle, having passed through them on the 12th June, and reported the usual amount of ice. There have been no casualties reported to any of our fleet on the Straits this season. The steamship "Katie" sailed on the 25th November, and the barque "Marcello de Marie" on the 28th, being the last sea-going vessels to leave port; the latter vessel, however, winters at Quebec.

There have been 556 vessels, aggregating 601,692 tons, entered at this office this season, viz.: 296 steamships, 561,120 tons, and 60 sailing vessels, 40,842 tons, being eight vessels less than in 1886, but an increase of 9,557 in tonnage.

It is satisfactory to state that no vessels have been reported missing or lost in this trade this season.

The shipment of grain has decreased 2,766,328 bushels from that of 1886, the quantity being 11,470,649 bushels this season, against 14,236,977 bushels last year. Other articles of export—phosphates, minerals, butter, cheese, &c.—have increased

considerably in quantity, especially lumber, there being 4,008,014 over the shipment of 1886. Deals have decreased 3,709 standards.

Shippers taking advantage of the large number of steamships carrying general cargoes, have, by shipping their goods in smaller quantities at a time, increased very considerably the work of the office in collecting its revenues. This and the extension of the wharfage accommodation down the river, with the increased size of the vessels, and the rapidity with which their cargoes are discharged and loaded, has kept all the members of the staff of this office—by whom I have been ably supported in the work—busy during the season.

I beg to draw your earnest attention to the necessity of having a graving dock built here. Each season vessels arrive in port damaged by various causes, surveys are held, and in some cases permission is granted to load cargo for Great Britain, to be docked and repaired on arrival there; others are ordered to be docked at Quebec, involving considerable risk and loss of time in going to and returning from that port, besides demurrage, waiting tides, &c., all of which would be avoided had we a proper dock into which deep draught vessels could be taken at any hour regardless of tides, and a large amount of money for the purchase of materials and making repairs would be expended in the city. Taking into consideration that the number of steamships trading to this port has increased from 106 of 87,719 tons in 1866, to 247 of 261,764 tons in 1877, to 600 of 807,471 tons, beside 55,108 of other sea-going vessels this year, and still expanding rapidly, as the import of coal alone was 378,675 tons against 289,223 tons in 1886, an increase of 88,852 tons this season, it is hardly creditable that such an amount of shipping should be without the facilities for making repairs when required. The wharf frontage for large steamers carrying general cargoes is also inadequate to the continually increasing growth of this, the principal port of the Dominion and on which the prosperity of the country so largely depends.

The new system of keeping the records of the office, inaugurated by the advice of the Board of Examiners at the commencement of the season, has worked very satisfactorily.

I cannot close this report without paying a tribute of deep respect to the memory of the late Port Warden, Capt. D. Ross Kerr, who performed his official duties faithfully and well for the long period of 13 years. His unvarying kindness, integrity and courtesy towards the members of his staff, and all who did business with the office, will long be remembered in this port.

I am, gentlemen,

Yours respectfully,

JAS. G. SHAW.

*Port Warden.*

To the President and Council of the Board of Trade, Montreal.



STATEMENT of the Investments of the Port Warden Office, at Montreal, and of Interest accruing therefrom during the Year ended 31st December, 1887.

Date.		Interest.
		\$ cts.
May 4, '70	Expended \$2,014.78 in purchase of Protestant School Commissioners' Bonds, Nos. 00001 and 00002, \$1,000 each	\$ 2,000 at 6 p.c for 12 mos
Apr. 21, '71	do 3,135 84 do City of Montreal Corporation Bonds, No. 18, £500; No. 62, £350=£750...	3,000 6 do
Jan. 12, '77	do 2,044 00 do Nos 00423, 00424, 00425, 00426, 4 at \$500.....	2,000 6 do
Feb. 16, '80	do 2,380 34 do Dominion Government Stock.....	2,300 4 do
Aug. 16, '80	do 7,254 11 do City of Montreal Registered Stock.....	7,000 5 do
Apr. 18, '84	do 5,081 34 do City of Montreal 4 p.c. Registered Stock, Nos. 1720, 1721, 1722, 1723, 1724, 5 at \$1,000.....	5,000 4 do
July 9, '84	do 4,260 00 do Bell Telephone Company Bonds, Nos. 54, 55, 56, 57, 58, at \$1,000; No. 218, 1 at \$500.....	4,500 6 do
Nov. 10, '85	do 472 50 do No. 252.1 at \$500.....	500 6 do
Mar. 14, '87	do 10,320 75 do City of Montreal Consolidated Fund Stock, Class C, 100 shares of \$100 each	10,000 4 do
	Total of Surplus Fund.....	\$36,300 interest, year '87 \$1,762 00

DR.

STATEMENT OF PORT WARDEN SUPERANNUATION FUND.

OR.

Date		\$	cts	Date.	\$	cts.	
Dec. 31, '86	To Balance in City and District Savings Bank.....	3,694	56	May 30, '87	By Cash paid to Executors of Capt. D. Ross Kerr,	4,588	58
May 30, '87	Interest balance, \$3,694.56, to date.....	45	48		the late Port Warden.....		
do 30, '87	Annual contribution from Port Warden Office...	200	00				
do 30, '87	Cash from current account in Union Bank to supply deficit in guaranteed amount of this fund occasioned by decreased rate of interest	648	54				
		\$4,588	58			\$4,588	58

ROBERT ARCHER, Treasurer.  
GEORGE HADRILL, Secretary.

MONTREAL, 6th January, 1888.

## APPENDIX No. 27.

REPORT OF THE PORT WARDEN FOR THE PORT OF QUEBEC FOR THE  
CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

PORT WARDEN'S OFFICE,  
No. 47 DALHOUSIE STREET,  
QUEBEC, 31st December, 1887.

SIR,—I have the honour to submit this my annual report of the affairs of this office during the year ending the 31st December, 1887.

The following enumerated class of vessels, viz., steamers and sailing vessels, have been examined and surveyed in this Harbour and in the Port of Quebec, and in compliance with the Acts relating to Port Wardens of Montreal and Quebec, established in 1871 and further amended in 1873:—

Four steamships inwards, with general cargoes, have been surveyed in compliance as prescribed in the eighth section of the said Act.

In compliance with the further amendment of the said Act (assented to the 3rd of May, 1873) ninety-six steamships have cleared outwards, with cargoes for Great Britain and Europe, and have been surveyed and cleared, as per certificates filed in the Custom House of Quebec.

No sailing vessels with cargoes cleared outwards to report, their cargoes not coming under the stipulations of the Act.

In compliance with the 16th and 18th sections of the Act, seventeen different lots of merchandise (damaged) have been surveyed, condemned and sold, for and on account of whom they may concern.

In compliance with the 13th section of the Act, eleven vessels, &c., have been valued for general average.

Vessels wrecked.—Two have been condemned and sold in compliance with the 16th section of the Act.

In compliance with the 21st section of the Act, ten copies of said Acts and by-laws have been issued.

In compliance with the 10th section of the Act, twenty-two steam vessels have been repaired. Of this number seven have been permanently, and fifteen temporarily.

Fifteen sailing vessels have been surveyed. Of this number two were condemned and sold as wrecks.

Fifteen copies of reports have been issued, as per section 26 of the rules.

Amount of fees received for the current year:—

Total amount received.....	\$1,796 95
To experts and office expenses.....	426 00

Balance.....	<u>\$1,370 95</u>
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E. & O. E.

Examined and found correct,

WILLIAM BUDDEN,  
*Accountant.*

JOHN DICK,  
*Port Warden.*

W. H. SMITH, Esq.,  
Deputy Minister of Marine,  
Ottawa.

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 APPENDIX No. 28.
 

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 REPORT OF THE PORT WARDEN FOR THE PORT OF HALIFAX, N.S., FOR  
 THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

 PORT WARDEN'S OFFICE,  
 HALIFAX, N.S., 31st December, 1887.

SIR,—I have the honour to submit my report of the affairs of this office, accompanied by a statement of the receipts and expenditure for the past year.

Surveys have been held by me on thirteen steamers and thirty-four sailing vessels, which arrived in a damaged condition during the year.

The ship "Marianne Nottebohm," of New York, put into this port in a leaky condition on 25th August, while on a voyage from Philadelphia bound to Amsterdam with a cargo of petroleum. At the request of the United States Consul General I held survey upon her and recommended that a portion of her cargo be landed to lighten the vessel to permit of further examination. The owner subsequently sent an agent from New York who took the matter of repairing the vessel into his own hands. When the vessel was ready for sea, I, at his request, gave a certificate of the repairs made to her, but declined to give a certificate of seaworthiness, not considering the repairs sufficient. She sailed for Amsterdam on the 26th September and subsequently put into Fayal, leaking badly.

The steamship "Scotia," of London, G. B., Winter, master, on a voyage from New York bound to Dunkirk with a cargo of crude petroleum, put into this port on the 27th of October with her pumps choked and leaking at the upper works. The owners instructed the master, by cable, to make temporary repairs sufficient to put the vessel in a seaworthy condition to continue her voyage. The tweendeck cargo was landed and the hull received temporary repairs. The bilge pumps were also put in good order. A certificate of seaworthiness was then given to the vessel to proceed without her tweendeck cargo to her destination, and she sailed for Dunkirk on the 2nd instant. On the 6th December she returned to this port with her machinery out of order. The engines have been thoroughly overhauled by competent machinists and some slight defects made good. The engines have been tried and found to work satisfactorily. The vessel is now ready for sea. The tweendeck cargo is being forwarded to its destination by Furness Line steamers.

The grain shipped during the year consisted of 189,731 bushels of wheat and 195,816 bushels of peas.

I have the honour to be, Sir,

Your obedient servant,

DAVID HUNTER,

Port Warden.

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



RECEIPTS and Expenditure of the Port Warden, Halifax, N.S., from 1st January to 31st December, 1887.

DR.	\$ cts.	CR.	\$ cts.
To amount of fees received.....	2,493 65	By Paid assistants, office expenses, &c.	965 97
	2,493 65	Amount reverting to Port Warden.	1,527 68
			2,493 65

I hereby certify that the above is a true and correct statement of the receipts and expenditure of the Port Warden at Halifax, N.S., during the year 1887.

DAVID HUNTER,  
*Port Warden.*

HALIFAX, N.S., 31st December, 1887.

APPENDIX No. 29.

REPORT OF THE PORT WARDEN FOR PORT HAWKESBURY, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

PORT HAWKESBURY, N.S., 31st December, 1887.

SIR,—I have the honour to submit to you my annual report of the doings of this office, accompanied by a statement of the fees collected by me in the year now closed.

Enclosed please find a list of the vessels which has arrived at this port in a damaged condition and has been repaired under surveys held by Port Warden during the year 1887. They have been repaired and arrived safely at their port of destination.

I have the honour to be, Sir,

Your obedient servant,

D. W. HENESEY,

Port Warden.

Wm. SMITH, Esq.,  
Deputy Minister of Marine,  
Ottawa.

RECEIPTS AND EXPENDITURE of the Port Warden's Office at Port Hawkesbury for the year ending 31st December, 1887.

Date.		Fees.		Amount.
		\$ cts.		\$ cts.
1887.				
May 17	Two surveys held on hull of schooner Willie A.....	21 00	Paid Assistant.....	8 00
do 17	One valuation survey on schooner Willie A for average.....	5 00		
Aug. 12	Two surveys on hull of schooner Belle....	21 00	Paid Assistant.....	8 00
		47 00		16 00
				47 00
	Amount reverting to Port Warden.....			31 00

I do hereby certify that the above statement is true and correct.

D. W. HENESEY,

Port Warden.

List of Vessels arriving in Distress, and Surveyed by Port Warden at Port Hawkesbury, for the Year ending 31st December, 1887.

Date.	Name of Vessel.	Rig.	Where from.	Where Bound.	Port of Registry.	Description of Cargo.	Master's Name.	Nature of Damage Received.
1887.								
May 17	Willie A.....	Schooner.....	Bridgewater	St. Pierre, Miq'n	Yarmouth....	Lumber .....	Robt. McDonald.....	Willie A ashore in St. Andrew's Channel, County of Guysboro', N.S. and was repaired at Port Hawkesbury; reshipped her cargo of lumber and proceeded to her port of destination.
Aug. 12	Belle .....	do .....	Pictou, N.S	St. Mary's, in Co. of Guysboro'..	Guy'sboro', N.S.	Coal.....	John Fraser.....	Schooner Belle was in collision with schooner Edward Blake, of Shelburne, at the northern entrance of the Strait of Canso; was repaired here and proceeded to her port of destination.

D. W. HENESEY,  
Port Warden.

PORT HAWKESBURY, 31st December, 1887.

## APPENDIX No. 30.

REPORT OF THE PORT WARDEN FOR THE PORT OF PICTOU, N. S.,  
FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.

Pictou, N.S., 31st December, 1887.

SIR,—I have the honour to herewith submit this my annual report as Port Warden of the port, for the year ending this date.

Received for surveys on vessels.....	\$92 00
Paid fees to assistants.....	25 00

Net revenue.....	<u>\$67 00</u>
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Respectfully submitted.

DANIEL McDONALD,

*Port Warden.*

Sworn before me at Pictou, this }  
31st day of December, 1887. }

F. WYATT FRASER, J. P.

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

## APPENDIX No. 31.

REPORT OF THE PORT WARDEN FOR THE PORT OF NORTH SYDNEY  
C. B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

NORTH SYDNEY, C.B., 5th January, 1888.

SIR,—The undersigned Port Warden of North Sydney, Cape Breton, begs to report as follows:—

Surveys held during the past season :

Seven steamships.

Eleven sailing vessels.

Four steamships arrived in the month of May, having sustained damage by ice. Three steamships arrived with general cargo, to which were granted certificates of seaworthiness. The sailing vessels were more or less damaged and required repairs, which were done in this port, and certificates granted. The fees received were as follows:—

Surveys, &c.....	\$210 50
Office expenses.....	50 00
Net receipts.....	<u>\$160 50</u>

I have the honour to be, Sir,

Your obedient servant,

DANIEL McKAY,

*Port Warden.*

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

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**APPENDIX No. 32.**

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**REPORT OF THE PORT WARDEN FOR THE PORT OF YARMOUTH, N. S.,  
FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.**

YARMOUTH, N.S., 31st December, 1887.

SIR,—I now have the honour to make my report as Port Warden, for Yarmouth, N.S., for the past year ending 31st December, 1887.

I have been called on to hold surveys on vessels and cargo twelve times.

The amount of fees received from the above is.....	\$139 00
I have paid out for assistance.....	59 00

Net amount.....	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-top: 1px solid black; border-bottom: 3px double black;">\$80 00</td> </tr> </table>	\$80 00
\$80 00		

I have the honour to remain,

Yours obediently,

EBENEZER SCOTT,

*Port Warden.*

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

## APPENDIX No. 33.

REPORT OF THE PORT WARDEN FOR PRINCE EDWARD ISLAND, FOR  
THE CALENDAR YEAR ENDED 31st DECEMBER, 1887.

PORT WARDEN'S OFFICE,

CHARLOTTETOWN, 31st December, 1887.

SIR,—I have the honour to submit my annual report of the business of my office during the past season.

I regret to say that the shipment of grain from the island the past season has been small compared with previous years. The principal trade has been in potatoes shipped to American markets, which we have no control over.

I am glad to state that the few vessels that loaded cargoes of grain for foreign ports have arrived in safety.

In my previous reports I called the attention of the Department to the advisability of having vessels loading cargoes of potatoes and oats, in bulk, bound to North American ports provided with dunnaged and shifting boards, as many of these vessels are loaded without either, seriously endangering the vessels and the lives of those on board. I have spoken to the agent of the Department here, Mr. Lord, on the matter, and he is of opinion that something should be done to obviate the danger that exists as to the reckless manner such cargoes are shipped.

I may here remark an instance that took place on the 7th instant. The schooner "Winnie D," loaded a cargo of oats at the Port of Georgetown, for Halifax, N.S., and was driven on her beam ends off Shuttin Island; the hatches came off and part of the cargo floated out of her, the crew barely escaping with their lives. The vessel was taken in tow by the steam tug "O. C. Whitney," while in this state and towed into Halifax. I am confident if the vessel was provided with shifting boards this would not have occurred.

I have the honour to be, Sir,

Your obedient servant,

H. P. WELSH,

*Port Warden.*

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

RECEIPTS and Expenditure of the Port Warden's Office, P.E.I., Year ending 31st  
December, 1887.

Dr.	\$ cts.	Cr.	\$ cts.
To Fees derived from grain-laden ves- sels .....	185 00	By Commission to deputies .....	79 50
Surveys of hatches .....	15 00	Expense of office .....	24 50
Other surveys .....	49 00	Balance .....	145 00
	249 00		249 00

I hereby certify that the above is a correct statement.

H. P. WELSH,

*Port Warden.*

CHARLOTTETOWN, 31st December, 1887.



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 APPENDIX No. 34.
 

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 REPORT OF THE PORT WARDEN FOR THE PORTS OF VICTORIA AND  
 ESQMIMALT, FOR THE CALENDAR YEAR ENDED 31st DECEMBER,  
 1887.

 RECEIPTS and Expenditures of the Port Warden for the Ports of Victoria and Esqui-  
 malt from the 1st January, to 31st December, 1887.

Survey on hatches and damaged goods.....	\$370 00	
Surveys on vessels.....	112 00	
		<u>\$482 00</u>

*Contra.*

To Amount paid carriage hire and labor.....	\$ 22 50	
Amount paid for stationery.....	10 00	
do rent.....	120 00	
		<u>152 50</u>

Net proceeds.....	<u>\$329 50</u>
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W. R. CLARKE,  
*Port Warden.*

VICTORIA, B.C., 4th January, 1888.

APPENDIX No. 35.

STATEMENT showing results of certain Returns respecting Shipping and Discharging of Seamen, received by the Department of Marine in accordance with the provisions of Chapter 74, Consolidated Statutes of Canada, from Shipping Masters throughout the Dominion, for the half years ended 30th June and 31st December, 1887.

QUEBEC.

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1887.		For Half-year ended 31st December, 1887.		Total Seamen Shipped.	Total Seamen Discharged.	Total Amount.
			Seamen Shipped.	Seamen Discharged.	Seamen Shipped.	Seamen Discharged.			
Bacoumains .....	Bonaventure..	John E. Barry.....	.....	.....	No returns.....	.....	.....	.....	\$ cts
Gaspé .....	Gaspé .....	Jos. Eden .....	26	10	18	28	44	38	17 40
Magdalen Islands .....	Gaspé .....	J. B. F. Painchaud .....	.....	.....	.....	No returns.....	.....	.....	.....
Montreal .....	Montreal.....	Henry McKay .....	216	496	681	1,260	897	1,756	718 50
New Carlisle .....	Bonaventure..	P. O. Beauchesne..	10	5	.....	.....	.....	.....	.....
New Richmond .....	Bonaventure..	R. W. H. Dimock..	.....	.....	.....	No returns.....	.....	.....	.....
Parcé .....	Gaspé .....	W. Flynn .....	.....	.....	2	6	.....	.....	2 80
Quebec .....	Quebec.....	B. Trudel .....	285	84	513	195	798	279	327 00
Rimouski .....	Rimouski.....	P. L. Gauvreau .....	.....	.....	.....	No returns.....	.....	.....	.....
St. John's .....	St. John's.....	E. D. Phillips .....	.....	.....	.....	No returns.....	.....	.....	.....
Sorel .....	Richelieu.....	Joseph Mathieu.....	.....	.....	.....	No returns.....	.....	.....	.....
Three Rivers .....	Three Rivers..	A. A. Lantier .....	.....	.....	.....	No returns.....	.....	.....	.....

NOTE.—Names printed in italics are Shipping Masters appointed under the Act, the others the Collectors of Customs who act as Shipping Masters.





STATEMENT showing certain Returns respecting Shipping and Discharging Seamen, &c.—Continued.

NOVA SCOTIA—Continued.

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1887.			For Half-year ended 31st December, 1887.			Total Seamen Shipped.	Total Seamen Discharged.	Total Amount.
			Seamen Shipped.	Seamen Discharged.	\$ cts.	Seamen Shipped.	Seamen Discharged.	\$ cts.			
Beliveau Cove.....	Digby..	J. V. Stuart .....	51	21	31 80	23	33	21 40	74	54	53 22
Beal River.....	Digby .....	T. H. Miller.....	92	67	66 10	81	93	68 40	173	160	134 50
Beaver River.....	Colchester.....	R. Perry.....	.....	.....	.....	No returns	.....	.....	.....	.....	.....
Bridgetown.....	Annapolis.....	S. S. Ruggles.....	.....	.....	.....	do	.....	.....	.....	.....	.....
Bridgewater .....	Lunenburg....	J. H. Wade.....	39	33	29 40	64	35	42 50	102	68	108 00
Caledonia .....	Cape Breton ..	J. J. Campbell.....	.....	.....	.....	.....	No returns	.....	.....	.....	.....
Canada Creek..	King's .....	S. W. Rawling.....	.....	No return.	.....	6	4	4 20	.....	.....	.....
Canso .....	Guysboro' .....	J. W. Young.....	13	3	7 40	5	2	3 10	18	5	10 50
Cape Sable Island.....	Shelburne.....	Seth Smith.....	24	10	15 00	20	12	13 60	44	22	28 60
Olementsport .....	Annapolis.....	G. F. Dimears.....	39	28	27 90	54	58	44 40	93	86	72 30
Cornwallis .....	King's.....	E. Rand.....	12	8	8 40	.....	.....	.....	.....	.....	.....
Cow Bay.....	Cape Breton...	W. W. Bown.....	18	5	10 50	19	15	14 00	37	20	24 50
Digby .....	Digby .....	Botsford Viets.....	10	.....	5 00	.....	.....	.....	.....	.....	.....
Freeport.....	Digby .....	Isaiah Thutber....	3	3	2 40	4	3	2 90	7	6	5 30
French Cross.....	King's.....	J. E. Orpen.....	.....	.....	.....	.....	No returns	.....	.....	.....	.....
Great Bras d'Or.....	Cape Breton...	D. Campbell.....	.....	.....	.....	3	3	2 40	.....	.....	.....

	28	14 00	18	2	9 60	46	2	23 60
Guyaboro'	J. A. Torry	.....	.....	.....	.....	.....	.....	.....
Halifax	1,241	894 10	1,410	1,021	1,011 30	2,651	1,883	1,905 40
Hantsport	.....	.....	No returns	.....	.....	.....	.....	.....
Harbour au Bouche	5	2 50	.....	.....	.....	.....	.....	.....
Harbourville	.....	.....	8	9	6 70	.....	.....	.....
Horton	.....	.....	.....	No returns	.....	.....	.....	.....
Isaac Harbour	31	15 80	28	6	15 80	59	7	31 60
Joggins	8	4 00	13	4	7 20	20	4	11 20
Jordan Bay	5	3 70	7	6	5 30	12	10	9 00
Lingan	.....	.....	.....	No returns	.....	.....	.....	.....
Little Bras d'Or	.....	.....	.....	No returns	.....	.....	.....	.....
Little Glace Bay	41	27 10	69	30	43 50	110	52	70 60
Liscomb	.....	.....	.....	No returns	.....	.....	.....	.....
Liverpool	239	151 60	197	133	138 40	438	240	280 00
Lockeport	.....	.....	222	180	165 00	.....	.....	.....
Londonderry	.....	.....	.....	No returns	.....	.....	.....	.....
Louisburg	.....	.....	17	24	15 70	.....	.....	.....
Lunenburg	364	294 50	396	410	330 00	760	815	624 50
Mahone Bay	.....	.....	16	8	9 90	.....	.....	.....
Main à Dieu	.....	.....	No returns	.....	.....	.....	.....	.....
Maitland	.....	.....	.....	No returns	.....	.....	.....	.....
Margaree	.....	.....	.....	do	.....	.....	.....	.....
Margaretville	5	2 50	.....	.....	.....	.....	.....	.....
Merigomish	.....	.....	.....	No returns	.....	.....	.....	.....
Meteghan	.....	.....	.....	do	.....	.....	.....	.....

STATEMENT showing certain Returns respecting Shipping and Discharging Seamen, &c.—Continued.

NOVA SCOTIA—Concluded.

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1887.		For Half-year ended 31st December, 1887.		Total Seamen Shipped.	Total Seamen Discharged.	Amount.
			Seamen Shipped.	Seamen Discharged.	Seamen Shipped.	Seamen Discharged.			
North Sydney.....	Cape Breton...	James Armstrong..	88	66	152	69	238	135	\$ 159 50
Parrsborough .....	Cumberland ..	A. S. Townshend ..	67	56	200	150	267	208	195 30
Pictou .....	Pictou .....	M. Campbell.....	61	24	110	76	171	100	115 50
Port Acadie .....	Digby .....	A. Bourneuf.....	22	15	6	15	28	30	23 00
Port Caledonia .....	Cape Breton...	J. J. Campbell ...	.....	.....	.....	No returns	.....	.....	.....
Port Gilbert .....	Digby .....	R. Sanderson .....	86	33	134	163	220	196	168 80
Port Greville .....	Cumberland ..	James Kerr .....	.....	.....	7	8	.....	.....	.....
Port Hawkesbury .....	Inverness.....	John Stapleton .....	16	10	15	16	31	26	23 30
Port Hood .....	Inverness .....	E. D. Tremain.....	.....	.....	.....	Nil.....	.....	.....	.....
Port la Tour .....	Shelburne .....	J. W. Taylor .....	10	1	12	5	22	6	12 80
Port Lorne .....	Annapolis .....	W. Graves .....	.....	Nil.....	.....	Nil.....	.....	.....	.....
Port Medway .....	Queen's .....	E. E. Letson .....	.....	.....	.....	No returns	.....	.....	.....
Port Mulgrave .....	Guysboro' .....	D. Murray, jun.....	13	1	10	6	23	7	13 60
Port William .....	King's .....	G. S. Lockwood ...	6	2	15	6	21	8	12 90
Port Williams .....	Annapolis .....	W. Graves .....	.....	.....	.....	No returns	.....	.....	.....
Pubnico .....	Yarmouth .....	P. S. D'Entremont	63	.....	32	.....	95	.....	47 50

Pugwash .....	Cumberland .....	J. H. Black .....	No returns	6	No returns	3 00	.....	.....
Ratchford's River .....	Cumberland .....	F. F. Hatfield .....	No returns	.....	No returns	.....	.....	.....
Richmond .....	Richmond .....	A. McDonald .....	No returns	.....	No returns	.....	.....	.....
St. Ann's .....	Cape Breton .....	D. McAuley .....	2 00	5	1	2 80	1	4 80
St. Mary's River .....	Guysboro' .....	A. F. Falconer .....	No returns	No returns	.....	.....	.....	.....
St. Peter's .....	Richmond .....	Donald Urquhart .....	Nil	3	.....	1 50	3	1 50
Sheet Harbour .....	Halifax .....	M. Macfarlane .....	No returns	No returns	.....	.....	.....	.....
Shelburne .....	Shelburne .....	W. W. Atwood .....	9	45	12	26 10	21	57 80
Ship Harbour .....	Halifax .....	.....	.....	.....	No returns	.....	.....	.....
Sydney .....	Cape Breton .....	R. McDonald .....	No returns	29	37	25 60	.....	.....
Thorne's Cove .....	Annapolis .....	E. H. Porter .....	10 00	8	6	5 80	6	15 80
Truro .....	Colchester .....	.....	.....	.....	No returns	.....	.....	.....
St. Tatamagouche .....	Colchester .....	J. A. G. Campbell .....	Nil	.....	Nil	.....	.....	.....
Wallace .....	Cumberland .....	Chas. D. Kerr .....	.....	.....	No returns	.....	.....	.....
Walton .....	Hants .....	A. McN. Parker .....	6	7	5	5 00	13	9 50
Weymouth .....	Digby .....	N. B. Jones .....	.....	.....	No returns	.....	.....	.....
Windsor .....	Hants .....	E. W. Dimock .....	18	93	44	59 70	110	73 60
Wilnot .....	Annapolis .....	J. B. Reed .....	.....	.....	No returns	.....	.....	.....
Yarmouth .....	Yarmouth .....	W. H. Moody .....	263	368	306	275 80	671	506 20

PRINCE EDWARD ISLAND.

Alberton .....	Prince .....	John P. Braman .....	.....	.....	.....	.....	.....	.....
Cascumpec .....	Prince .....	James F. White .....	.....	5	No returns	3 70	.....	.....
Charlottetown .....	Queen's .....	H. W. Match .....	.....	59	44	42 70	.....	.....



STATEMENT showing certain Returns respecting Shipping and Discharging Seamen, &c.—Concluded.  
 PRINCE EDWARD ISLAND—Concluded.

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1887.			For Half-year ended 31st December, 1887.			Total Seamen Shipped.	Total Seamen Discharged.	Amount.
			Seamen Shipped.	Seamen Discharged.	Amount.	Seamen Shipped.	Seamen Discharged.	Amount.			
Crapaud .....	Queen's .....	S. J. B. Leard.....	.....	.....	\$ cts.	8	.....	4 00	.....	.....	
Georgetown .....	King's .....	Charles Owen.....	12	13	9 90	48	29	32 70	42	42 80	
Malpeque.....	Prince .....	J. M. MacVatt.....	.....	Nil.....	.....	.....	.....	.....	.....	.....	
St. Montague Bridge.....	King's .....	J. M. Aitken.....	.....	.....	.....	13	17	11 60	.....	.....	
Murray Harbour.....	King's .....	H. J. Brehaut.....	.....	.....	.....	4	.....	2 00	.....	.....	
Pinette .....	Queen's .....	A. Marchison.....	.....	Nil.....	.....	.....	No returns	.....	.....	.....	
Port Hill.....	Prince .....	W. Hopgood .....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Peter's Bay.....	King's .....	.....	.....	Nil.....	.....	.....	No returns	.....	.....	.....	
Souris .....	King's .....	Michael J. Foley...	.....	.....	.....	.....	No returns	.....	.....	.....	
Summerdale.....	Prince .....	Jacob Schurmen...	9	.....	4 50	43	26	19 00	52	33 50	
Tignish .....	Prince .....	Geo. Gearey .....	.....	.....	.....	.....	No returns	.....	.....	.....	
West Cape.....	Prince .....	Chas. Stewart .....	.....	.....	.....	.....	No returns	.....	.....	.....	

BRITISH COLUMBIA.

Burrard Inlet.....	N. Westminster	Isaac Johns.....	No returns	.....	76	51	16 30	76	51	15 30
New Westminster.....	N. Westminster	John G. Auld.....	Nil.	.....	.....	.....	.....	.....	.....	.....
Vancouver.....	.....	Isaac Johns.....	.....	.....	.....	.....	.....	103	110	84 50
Victoria.....	Victoria.....	W. Hamley.....	23	127	54	39	88 70	181	62	109 10

## APPENDIX No. 36.

**REPORT ON THE MONTREAL GOVERNMENT HARBOUR POLICE FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1887.**

OFFICE MARINE DEPARTMENT,  
MONTREAL, 31st December, 1887.

SIR,—I have the honour to transmit a report on the Government Harbour Police of Montreal for the term commencing the 1st January and ending 31st December, 1887.

A return is hereto annexed showing the number of persons arrested, setting forth the nature of offences, as also the number of seamen placed on board their vessels after temporary confinement and those who received protection, making a total for the 12 months of 615.

The Force, as last year, consisted of thirty-nine, including the Inspector, who is also agent of the Marine Department, Chief and Staff. The principal part of the constables were taken on the 2nd May and additions made thereto from time to time as necessity demanded by the arrival of vessels.

Fifteen persons were found drowned and inquests held on the bodies and 29 rescued from a similar fate.

During the months of May and June there were several attempts at strikes and interference at Hochelaga and Windmill Point, but through the timely interference of the police and the good sense of the labourers they were merely incipient.

There were 30 accidents to vessels in port by collision or otherwise as detailed in the usual marine reports sent to the Department.

The United States corvette "Galena" arrived in port the 22nd July and left 29th of same month. The French frigate "La Minerve," bearing the flag of Rear Admiral Vignes, commanding the North American squadron, the 5th and left the 25th August, and Her Majesty's ship "Tourmaline" the 15th, leaving 25th September.

As each of these vessels were thrown open to the public daily at certain hours it became an imperative duty to make arrangements for the safety from drowning of the vast crowds who throng the wharf at which vessels lie on these occasions, people in the rear pressing on those in front, so that nothing but the strongest barriers and the energy of the police prevented numbers from being precipitated into the river. The experience gained by the crushing at the American corvette and having been advised that extra precautions would be required for the French frigate, the whole frontage of the wharf ten feet from the river (except the railed gangway) was barricaded by a fencing of planks nailed firmly to cattle tressles secured to the wharf by spikes and for the free use of these, the lumber, labour, &c., I am indebted to Captain Bailey, the Shipping Manager of Messrs. Refords & Co.'s various lines, who was most courteous and obliging in his efforts and practical assistance. The crowds, largely French Canadian, to visit this vessel were unprecedented. People—men, women and children—poured on to the dock, not only from the city but all its surroundings, by the thousands. It is a matter of congratulation that not a single serious accident occurred. The Department will, no doubt, be pleased to learn that the efforts made for the safety of the immense number of visitors was so appreciated by the Admiral and his officers for the perfect arrangements and the tact and efficiency of the police that a letter of thanks was published and to-day I have received a letter from the Vice-Consul of France stating that so favorable had the report of the Admiral been.

to his Government that he had the pleasure to convey the "thanks of the French Government and a" (very liberal) "souvenir to be divided among the Force."

The "Tourmaline" had similar arrangements, but of course though the crowd of visitors was very large, especially Sundays, like the "Galena" there was not the pressure from the suburbs. The thanks of the commanders and officers of both these vessels were received and most complimentary.

The building of the dyke on Commissioners Street has made the street one sea of muddy clay, if I may use the expression, and the wharves are not much better. Each patrol has to change boots, &c., on coming to the station.

The Board of Health having condemned the sewer under the floor of the station the latter had to be taken up to place in a new, and cement the old drain pipes.

I have the honour to be, Sir,

Your obedient servant,

H. ST. A. ORMOND,

*Agent Marine and Inspector Government Harbour Police.*

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



## APPENDIX No. 37.

## REPORT ON THE QUEBEC RIVER POLICE FORCE FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1886.

SHIPPING AND RIVER POLICE OFFICES,  
QUEBEC, 31st December, 1887.

SIR,—I have the honour to submit for your consideration and approval my tenth annual report as Chief of the Government River Police at this port for the season just closed.

To this, my report, is appended a statement giving the number of persons arrested by the men under my command; the various offences with which they were charged and the nationality of the said offenders.

On the 1st of May the Force, composed as follows, resumed its ordinary duties, viz. :—

The Chief, who is also Shipping Master, at a salary of fifteen hundred dollars per annum for joint offices.

A Deputy Chief, at two dollars and forty cents per day; five coxswains at one dollar and ninety cents per day, and twenty-seven constables at one dollar and fifty cents per day, with two engineers at fifty dollars per month each for the season.

From the above rate of wages, twenty-five cents per day are monthly retained as a guarantee of their good conduct, which, if proved satisfactory, is duly paid to them at the end of the season.

The season's usual work has been performed and nothing of any serious importance has occurred.

The crimps have been very busily at work, and, I must say, with great success, for, ever since the change in the wording of the Act respecting the offence of going on board without permission, this offence has been on the increase and the consequence of it has been an increase of desertion.

The former wording of the Act was as follows: "Going on board without the permission and consent of the master, or the person in charge, &c.," while it now reads, "Without the permission and against the will, &c., &c.," so that to constitute the offence the crimps have to refuse to obey the order to leave the ship.

It will, therefore, be readily understood that the crimps simply run the risk of being ordered out of the ship, while he has great chances of doing what he calls good work before being detected by either master or mate, unknown to either of them, and specially protected by part of the crew and the labourers.

I therefore say that this change has given them a wide field of operation and placed them almost out of our reach.

We have ever since this change refrained from making arrests for going on board, as fruitless arrests only serve to encourage law breakers.

From the number of arrests for desertion must not be estimated the number of desertions, for in but very few cases are we successful in making their arrests, and our present want of success as compared with former years is accounted for by the fact that after the visits of the crimps on board, the seamen are well educated on the mode of proceeding to leave the ship and evade the police.

It will also be noticed that the cases of prosecution and consequent conviction are much less than formerly. This is due to the fact that the crimps are always on the alert to help the sailors to beat the masters out of their rights, and for that purpose they secure the services of a lawyer to defend the prisoners and submit the

captain to the inconvenience of a trial, in which comes into play the putting off of the cases, &c., thus causing expenses and loss of time and in many cases to finally have the case go against them.

These cases have repeated themselves so often that masters do not now even appear at court, in which cases the seamen are ordered back to the station with instructions to notify the masters, and on a second default to appear on the part of the captains, the men are ordered to be put on board, thus entailing upon us an extra amount of work without any satisfactory results.

Despite all these disadvantages, I am happy to say that we have managed to give general satisfaction to all interested in the shipping of the port.

Trusting that the above will meet with approval.

I remain, Sir,

Your obedient servant,

BENJ. TRUDEL,

*Chief of River Police and Shipping Master.*

W. SMITH, Esq.,  
Deputy Minister of Marine,  
Ottawa.

STATEMENT of Persons arrested by the River Police, the various offences of which they were charged, and their Nationality, during the Season of Navigation, 1887.

Offence.	No.	Nationality.	No.
Desertion .....	27	England .....	61
Absence without leave .....	58	Ireland .....	73
Refusal of duty .....	20	Scotland .....	49
Refusal to proceed to sea .....	13	Wales .....	7
Neglecting to join their ships .....	39	Canada .....	39
Assault on board ships .....	9	Newfoundland .....	2
Drunk on wharf, ships and streets .....	61	West Indies .....	4
Impeding in the streets .....	27	United States .....	13
Swimming at Queen's wharf .....	19	France .....	10
Protection for the night, &c. ....	52	Norway .....	24
Thefts on board .....	3	Sweden .....	27
Loitering .....	1	Germany .....	20
Outing and wounding .....	1	Greece .....	6
Stowaways .....	33	Belgium .....	9
		Holland .....	4
		Spain .....	2
		Finland .....	3
	363		363
Seamen and their effects from boarding houses to station, and from station to their ships .....	604		
	967		

## APPENDIX No. 38.

LIST of Persons to whom Rewards have been granted by the Government of Canada, for the Year 1887, for gallant and humane services rendered in Saving Life from Shipwrecked Canadian Vessels, or by British or Foreign Governments for similar services rendered by Canadian Vessels in Saving Life from Shipwrecked British and Foreign Vessels for same period.

Names and Designations of Persons.	Nature of Service Rendered.	Date of Service Rendered.	Description of Reward.
Capt. Joseph Côté, Téléphore Roy, Elzéar Bernier, Charles Blanchet, Antoine Miville, Téléphore Pelletier.	Rescuing, at the risk of their lives, Félix Pelletier, a fisherman, from drowning, at Cape Chatte, P.Q.	Oct. 22, 1886	\$10 to Captain Côté, and \$8 to each of the men.
Frederick Gerhand and Gustaf Lund, late seamen of the ship "Belvidere," of Windsor, N.S.	For services to the shipwrecked crew of the ship "Maid of AIn," of North Shields.	Sept. 24, 1886	£2 10s to each of the seamen, by the British Government.
Capt. D. McLeod, of the "C. N. Carter"; Capt. Wm. Babb, of the Government Life-boat, at Goderich and Neil McIver, John McKay and John McLean.	Rescue of five men and female cook of the schooner "E. W. Rathbun," wrecked near Goderich Harbor, Ont.	Oct. 20, 1886	\$10 to Capt. McLeod; \$5 to Capt. Babb, and \$3 to each man of the rescuing boat.
James Lewis, master; Geo Brown Terrill, 1st mate; Joseph Arnoldson, Chas. Brown, N. Nelson and John Johnson, seamen of the American steamer "Rio Grande," of New York.	Services in rescue of shipwrecked crew of the barque "Hants County," of Windsor, N.S.	Nov. 19, 1886	A binocular glass to master; gold watch to mate; \$15 to each of the seamen.
Capt. C. H. Wasson, master; J. H. Fraser, mate of the barque "Latona," of St. John, N.B.	For humane services in rescuing the crew of the American schooner "Sarah H Baice."	Nov. 21, 1886	A silver vase to captain and gold watch and chain to mate, by the United States Government.
Capt. R. F. Hardwick, master; Frank Sullivan, 1st officer; Charles Henderson, 2nd officer; L. J. Frosberg, Henry Brady, F. Parkinson, Philip Townshend and Wm. Percival, seamen of the American ship "Farragut," of Boston, Maine.	Rescue of shipwrecked crew of barque "Embla," of Picton, N.S.	Jan. 18, 1886	A binocular glass to master; a gold watch to 1st officer; a silver watch to 2nd officer, and \$15 to each seaman.
John J. Donovan and John D. McNeil.	Saving life at Smoky Cape.....	June —, 1886	A binocular glass to each man.
Capt. W. H. Bennett, master; Arthur S. Wilson, 1st mate; Fred. Wickwire, 2nd mate of the American brigantine "Screamer," of Portland, Maine.	Services in rescue of shipwrecked crew of schooner "Orient," of Lunenburg, N.S.	Aug. 26, 1886	A binocular glass to master and silver watch to each mate.
Capt. F. C. Timpson, master; Robert Duncan, coxswain; John Cameron, Colin Kerr, John McKay, Donald McAulay, Wm. McLure and John Cook, seamen of the British steam yacht "Mohican."	Gallant rescue of the shipwrecked crew of the ship "Lillian," of St. John, N.B., 300 miles east of Halifax, N.S.	Aug. 27, 1886	A letter of thanks and a binocular glass to master; a silver watch to coxswain, and \$15 to each seaman.



LIST of Persons to whom Rewards have been granted by the Government of  
Canada, &c.—*Concluded.*

Names and Designations of Persons.	Nature of Service Rendered.	Date of Service Rendered.	Description of Reward.
E. Rooney, Capt. of the Life-boat at Cobourg, Ont., and John McMann, James Duffy, James Hart, Chas. Lavis, Wm. Connors, Thos. Hart and John Lavis.	Rendering assistance to schooner "Pandora," of Port Colborne, Ont.	Nov. 14, 1886	\$3 to each.
H. McCullough, Capt. of the Life-boat at Wellington, Ont., and Wm. McCullough, E. B. Bedell, R. O. Reynolds, W. W. Leavens, L. Brown, H. N. Curtlett, B. Palen and Ed. Cleary.	Rescue of the shipwrecked crews of the "Ida Walker" and "Hannah Butler."	Nov. 18, 1886	\$15 to captain, and \$10 to each of the men.
Isaac K. Doane, keeper; Israel Cunningham, Arthur Ounningham, Carine Nickerson and Alexander Atwood, assistant keepers, Cable Sable Lighthouse Pilot Gossin, of Dunkirk ....	Service in rescue of the shipwrecked crew of the SS. "Sulina," of Hull, Eng.	Nov. 23, 1886	£5 to light-keeper, and £1 to each assistant light-keeper, by British Government.
Richard Ringk, master; Herman Siebert, 3rd officer; E. Wolter, boatswain; F. Ross, W. Hubner, seamen; H. Hubner, sailmaker; of the German SS. "Fulda."	Gallant rescue of the shipwrecked crew of the vessel "Republic," of Yarmouth, N.S.	Dec. 3, 1886	A gold medal.
Bernard Connors, Mark Dugan, Michael McGrath, Wm. McGrath, Wm. Fordan and James Scott, of East Dover, N.S.	Rescue of the shipwrecked crew of the ship "Louise M. Fuller," of Yarmouth, N.S.	Dec. 9, 1886	A binocular glass to master; a binocular glass to 3rd officer; \$10 to boatswain, and \$8 to each of the other men.
Capt. Geo. Ritchie, master of the barque "Bachelors," of Yarmouth, N.S.	Rescuing crew of the schooner "O. Graham," of Halifax, N.S.	Jan. 24, 1887	\$8 to each man.
Capt. H. A. Waite, master of the American ship "Tam O'Shanter."	Services saving life from the American ship "Saragossa."	March 23, 1887	A gold watch and chain, from the United States Government.
Capt. J. W. Dunham, of the ship "Favonius," of St. John, N.B.	Services to the shipwrecked crew of the barque "Sokoto," of Yarmouth, N.S.	March 25, 1887	A binocular glass.
A. Haisch, mate; T. Toarensen, C. H. Mainn, John Pratt and T. Hansen, seamen of the barque "Mary Fraser," of Windsor, N.S.	For services to the shipwrecked crew of the American schooner "George E. Young."	April 3, 1887	A gold medal, from the United States Government.
Capt. Joseph Gardner, master; Wm. Brown, 1st officer; Albert Lundell, A. Kilbrie, August Larsen, Hans Anderson and Fred O. Iversen, seamen of the SS. "Morgan City," of New York.	Services in rescue of shipwrecked crew of the brigantine "Elsie Cronan," of Halifax, N.S.	April 4, 1887	Silver watch to mate and \$10 to each seaman.
Miss Maria Collins, of Col-lingwood, Ont.	For humane exertions in the rescue of the shipwrecked crew of the brig "Arthur," of Charlotte-town, P. E. I.	July 26, 1887	Letter of thanks to the captain; binocular glass to 1st officer, and \$10 to each seaman.
Martin O'Brien, carpenter on the barque "Lizzie C. Troop."	Rescuing from drowning Mr. Manning Brown and his nephew.	Aug. 15, 1887	A gold pocket and chain.
	Saving life of Salvador Torres, in Quebec harbour.	Oct. 11, 1887	A silver watch.

## APPENDIX No. 39.

List of Canadian Certificates of Competency and Service which have been cancelled during the Year ending 31st December, 1887.

## COMPETENCY.

No. of Certificate.	Name.	Grade.	Cause of Cancellation.	Date of Cancellation.
				1887.
1898	Levi Putnam .....	Mate .....	Passed for higher grade .....	29th January.
2061	Ingram Troop.....	do .....	do .....	4th February.
2100	Herbert McDougall.....	do .....	do .....	11th do
2068	W. S. Hayes.....	do .....	do .....	11th do
1981	R. Lee.....	do .....	do .....	11th do
81	Wm. McBride.....	Master, inland	do .....	24th do
2072	A. H. Durkee .....	Mate .....	do .....	2nd March.
1849	Jos. Thos. Chalifour.....	do .....	do .....	10th do
1780	Z. Lemieux.....	do .....	do .....	10th do
2183	James Betts.....	do .....	do .....	23rd do
2000	Edw. Kennedy.....	do .....	do .....	23rd do
2016	W. P. Harvie .....	do .....	do .....	23rd do
2117	J. E. King.....	do .....	do .....	23rd do
2198	Alfred W. Warner.....	do .....	do .....	4th April.
2138	Joseph Pouliout.....	do .....	do .....	19th do
1863	B. W. Morris.....	do .....	do .....	22nd do
2163	J. S. Osborn.....	2nd Mate.....	do .....	22nd do
1782	William Chas. Heckman.	Master.....	Washed overboard from the ship "Flavonius" and drowned, 19th November, 1886.	28th do
2044	David R. Williams.....	Mate .....	Passed for higher grade.....	2nd May.
2085	Thomas Bollong .....	do .....	do .....	5th do
2221	Gordon Beattie.....	2nd Mate.....	do .....	5th do
2223	James W. Knox.....	Mate.....	do .....	11th do

LIST of Certificates of Competency which have been cancelled—*Continued.*

No. of Certificate.	Name.	Grade.	Cause of Cancellation.	Date of Cancellation.
				1887.
2054	Harry Mowatt .....	Mate .....	Passed for higher grade.....	11th May.
2208	John Wm. Carey.....	do .....	do .....	7th June.
2048	Wentworth E Baker .....	do .....	do .....	7th do
1876	Saml. S. Patterson.....	do .....	do .....	7th do
2200	Stuart G. Fulton.....	2nd Mate. ....	do .....	11th do
2278	John J. Wren.....	Mate.....	do .....	11th do
2188	Bernard Carland.....	do .....	do .....	11th do
1916	George Urquhart.....	do .....	do .....	15th do
196	John McManus .....	Master.....	Died at sea on the 18th March, 1887...	25th July.
2069	Jas D. McKenzie.....	Mate .....	Passed for higher grade.....	19th do
2165	James B. Hill.....	do .....	do .....	19th do
2030	James F. Munro. ....	do .....	do .....	22nd do
2222	John S. Harris.....	2nd Mate. ....	do .....	21st do
2049	Chas. F. Leary.....	Mate .....	do .....	25th do
2126	Geo. O. McLaughlin .....	do .....	do .....	25th do
2284	Silas M. Marsters.....	2nd Mate.....	do .....	8th August.
2318	Budd D. Melvin.....	do .....	do .....	18th do
2119	George M. Reid.....	Mate .....	do .....	18th do
2145	Frank C. Bogart.....	2nd Mate.....	do .....	18th do
2149	Thomas Hy. Helmes.....	Mate .....	do .....	28th do
2220	Alex. D. Faulkner .....	Mate .....	do .....	9th September.
2313	Howard A. Murphy.....	do .....	do .....	19th do
2190	Bliss B. Anderson.....	do .....	do .....	16th do
2116	Marshall Terfry.....	do .....	do .....	5th October.
1629	George W. Grant. ....	do .....	do .....	19th do
2177	Percy E. Crosby .....	do .....	do .....	25th do
2245	Robert Patten .....	do .....	do .....	25th do
2250	Mayor G. Mosher.....	2nd Mate.....	do .....	9th November
2229	Emerson Graves .....	Mate .....	do .....	9th do
2344	Everett E. Thompson .....	2nd Mate .....	do .....	12th do

List of Certificates of Competency which have been cancelled—*Concluded*

No. of Certificate.	Name.	Grade.	Cause of Cancellation.	Date of Cancellation.
				1887.
2286	George L. Welsh.....	Mate.....	Passed for higher grade.....	12th November.
1926	Henry Gomes.....	do .....	do .....	1st do 1886.
2154	Blanchard Henry..	do .....	do .....	7th March. 1887.
1677	John Hofgard.....	Master..	Died at sea of yellow fever, 24th Aug., 1886.	
2013	David A. McRae.....	Mate .....	Passed for higher grade .....	21st do
1857	Enoch A. Forsyth.....	do .....	do .....	in 1885..... 9th November.
1361	Fred. R. Davison..	Master.....	Drowned, 20th Aug., 1886.....	
364	Joseph Stokes.....	do .....	Died of consumption at Cardiff .....	
2070	Harry H. Cook .....	Mate.....	Passed for higher grade.....	23rd do
2106	Burwell C. Goudey.....	do .....	do .....	23rd do
2288	Andrew J. Simms.....	do .....	do .....	23rd do
2217	Melvin O'Brien .....	do .....	do .....	6th December.
2218	Frank E. Dodge .....	do .....	do .....	6th do
554	William A. Jameison ...	Master.....	Died at sea on the 29th Nov., 1887....	
2088	Joseph W. Morris .....	Mate .....	Passed for higher grade .....	9th December.
1862	Oscar B. Morris .....	do .....	do .....	9th do
2315	Fred H. Griffith.....	do .....	do .....	9th do
2316	Wallace P. Jeffery .....	do .....	do .....	9th do

## SERVICE.

1492	Wm. Austin Glass.....	Mate .....	Passed for higher grade.....	8th February.
1610	Henry Pearce .....	Master, inland.	do .....	19th do
257	W. F. McGiffin.....	Mate, inland...	do .....	22nd March.
1173	E. Kennedy .....	Master, inland.	do .....	23rd do
1261	Neil Campbell.....	Master .....	Drowned in Boston Harbor during Winter of 1887.	8th do
1421	Robt. Thompson ..	Mate, inland...	Passed for higher grade .....	15th April.