

SESSION II.
1912.
NEW ZEALAND.

MARINE DEPARTMENT:

ANNUAL REPORT FOR 1911-12.

Presented to both Houses of the General Assembly by Command of His Excellency.

MY LORD,—

Marine Department, Wellington, 6th July, 1912.

I do myself the honour to transmit herewith, for Your Excellency's information, the report of the Marine Department of the Dominion for the financial year ended the 31st March last.

I have, &c.,

GEO. LAURENSEN.

His Excellency the Right Hon. Baron Islington, Governor of New Zealand.

SIR,—

Marine Department, Wellington, 13th May, 1912.

I have the honour to make the following report on the work carried out by this Department during the year ended the 31st March last.

Shipping and Seamen Amendment Act, 1911.—This Act has been assented to by His Majesty the King. It came into force on the 1st instant. It provides that attendance at a course of mechanical-engineering classes recognized under Part VII of the Education Act, 1908, shall count as part of the qualifying service for exemption from examination as third-class engineer; remodels and amends the law relating to sick and injured seamen; and enacts that all parties to any bill of lading relating to the carriage of goods from any place in New Zealand to any place outside the Dominion shall be deemed to have intended to contract according to the laws of New Zealand, and that any stipulation or agreement to the contrary shall be null and void.

During October last the Harbours Association held a conference in Wellington to consider matters affecting Harbour Boards, and it submitted to the Department copies of resolutions passed by it to give effect to which amendment of the Harbours Act is required. These resolutions have been carefully considered, and it is proposed to embody those with which the Department agrees in a Bill for submission to Parliament.

Mercantile Marine Offices.—The work of these offices has been carried out in a very satisfactory manner. A return which is appended shows the number of seamen engaged and discharged at the various ports, and the amount of the fees received for the engagements and discharges. The number of men engaged during the year was 21,123, and the number discharged 19,749. The fees received amounted to £2,819 7s. In the previous year the engagements were 20,318, the discharges 19,420, and the fees received £2,701 13s. At the four principal ports the transactions were as follows: Auckland—engagements 6,305, discharges 6,191, fees £870 1s. 6d.; Wellington—engagements 6,520, discharges 6,623, fees £891 1s. 6d.; Lyttelton—engagements 2,311, discharges 1,929, fees £317 19s. 6d.; and Dunedin and Port Chalmers—engagements 3,081, discharges 2,648, fees £399 18s. 6d. In the previous year Auckland showed 5,898 engagements, 5,701 discharges, and £800 17s. fees; Wellington 5,059 engagements, 4,897 discharges, and £633 15s. fees; Lyttelton 2,320 engagements, 1,997 discharges, and £323 16s. 6d. fees; and Dunedin and Port Chalmers 3,797 engagements, 3,959 discharges, and £550 16s. 6d. fees. Besides the engagement and discharge of seamen, the following duties are carried out by the Mercantile Marine Office staffs—viz., surveys of ships, fixing of load-lines, supervision of deck cargo, measurement of ships, supervision of compass-adjustment, collection of survey fees and foreshore license charges, dealing with sick and injured seamen and seeing that their wages, maintenance, and medical and hospital expenses are paid by their employers, and various other

duties which come under the control of this Department. The increasing work has necessitated the appointment of an additional Surveyor of Ships at Wellington, and a cadet at Dunedin. Desertion and failure to join their ships at time of sailing are becoming too common. This causes loss and inconvenience to shipowners, as in many cases, especially at bar harbours, where delay means loss of a tide, ships have often to sail short of the statutory number of men, as it frequently happens that substitutes cannot be obtained. In cases where the circumstances justify it, the certificates of discharge of deserters and of men who fail to join their ships are withheld for short periods, so that during that time they are unable to join another ship.

Under the provisions of section 15 of the Shipping and Seamen Amendment Act, 1909, every British foreign-going ship of not less than 1,000 tons gross tonnage is required to carry a certificated cook or a cook who can prove at least two years' service as cook, and a number of certificates of service have been granted to men who have proved the qualifying service.

Prior to the coming into operation of the Shipping and Seamen Amendment Act, 1909, single seamen of home-trade ships could be discharged on board, but as it was found that this was detrimental to the interests of seamen, especially as regards their receiving the sick benefits of the Act, the law was altered by the Act of 1909, and all seamen are now required to be discharged before a Superintendent of Mercantile Marine.

In connection with section 75 of the Shipping and Seamen Act, 1908, which requires the payment of the coastal rate of wages to seamen when their ships are engaged in the coastal trade, the question arose whether the s.s. "Durham," a vessel trading between Great Britain and New Zealand, must pay the coastal rate of wages when she shipped some cargo at one New Zealand port and landed it at another port in the Dominion, and on the matter coming before the Supreme Court the Court decided that a ship arriving from abroad is bound to pay the local rates of wages unless at all times between its arrival on the coast and its final departure it had wholly abstained from entering into the local trade. In other words, a ship, by engaging at any time during its presence on the coast in the local trade, thereby wholly forfeits the exemption granted by section 75 of the Act, and becomes liable to have its clearance withheld until it has paid the New Zealand rate of wages for the whole period which has elapsed since its first arrival on the coast.

Returns are appended showing the accidents to seamen, the amounts paid to sick and injured seamen under section 119 of the Shipping and Seamen Act, 1908, and the prosecutions of seamen by masters and others for various offences. In connection with sick and injured seamen, it may be mentioned that the Supreme Court held that they were not entitled to expenses of maintenance, medical, and other attendance unless they went into a public hospital. The Department had previously, on legal advice, interpreted the Act to mean that such expenses up to what would have been the cost in a public hospital were payable to the men in cases where they were treated elsewhere, and since the Court's decision the law has been altered in accordance with this view.

Another case of interest which came before the Supreme Court during the year related to the period for which a sick seaman's wages and expenses are payable when he has been discharged sick before the expiration of his agreement. A sick seaman's wages were payable until the end of his engagement, not exceeding three months, and where the agreement expired within one month from the commencement of the illness, then during one month after the expiry. A seaman was left on shore ill on the 14th February, 1911, and his agreement expired by effluxion of time on the 22nd of that month, by which date his vessel had gone to Australia, from which place she returned to her home port in the Dominion on the 4th March. The law provides that if a vessel is away from her home port on the date of the expiry of the agreement with the crew by effluxion of time, then it shall extend until her return to that port. The question was, did the month's wages which were payable after the expiry of the agreement date from the 22nd February or the 4th March? The Department held that they were payable from the latter date, and required payment to be made accordingly. This view was upheld by the Court on a case stated for its interpretation by the owners.

When seamen who are not United States subjects desert from foreign ships in the States, the masters of their ships are required to pay a head-tax of 4 dollars in each case, and the Department has decided in the case of New Zealand ships that this amount may be deducted from the deserter's wages before they are paid over to the Superintendent of Mercantile Marine on the ship's return to the Dominion.

During the year proceedings were taken by the Department against the following persons for offences in connection with seamen: W. Smith, for making a false declaration to enable him to obtain a permit to ship: he was convicted and ordered to be placed on his ship on her arrival. The master of the s.s. "Mokoia," for discharging a seaman on board: the case was dismissed on the ground that the man was left on shore on account of illness. The master of the s.s. "Wairoa," for carrying five seamen without entering into an agreement with them: he was fined 10s. and costs. The master of the s.s. "Mararoa," for discharging a seaman on board: he was convicted and ordered to pay costs. Another information against him for a similar offence was dismissed on the ground that the man was left on shore on account of illness. The master of the s.s. "Pateena," for discharging a seaman on board: he was fined £2 and costs. The master of the s.s. "Kiripaka," for carrying a fireman without entering into an agreement with him: he was convicted and ordered to pay costs. For a similar offence he was fined £2 and costs. M. Wall, who had deserted from the s.s. "Pakeha," for making a false declaration that he was entitled to ship: he was sentenced to one month's imprisonment.

Masters, Mates, and Engineers.—The examination of candidates for certificates of competency has been carried out in a satisfactory manner at the various examination ports. 297 candidates passed and 159 failed. Of those who passed, 182 were masters, mates, and engineers

of seagoing ships, 44 were masters and engineers of steamships plying within restricted limits, 12 were masters of fishing-boats and cargo-vessels up to 25 tons register, 19 were engineers of seagoing ships propelled by oil-engines, and 40 were engineers of similar vessels plying within restricted limits. The Shipping and Seamen Amendment Act, 1909, which came into force on the 1st May, 1911, made provision for granting certificates of service to masters and engineers of oil-engine boats up to 6 tons register who had served in the respective capacities for at least a year before the coming into operation of the Act, and who applied for them within six months of that date. Under this provision 790 certificates as master and 769 as engineer were issued during the year.

Regulations have been made for the examination of candidates for certificates of competency as masters of sailing-ships in rivers and harbours.

Under the provisions of the Shipping and Seamen Amendment Act, 1909, any person who has served as master or engineer of a steamer plying within extended river limits prior to their being reduced in area may continue to serve in those capacities within what were the extended river limits before the reduction was made. The reduction of the Auckland extended river limits which has been made since the Act came into force does not, therefore, affect masters and engineers holding river certificates who were plying in the old limits before reduction.

Power is given by the Shipping and Seamen Amendment Act, 1909, to the Minister to exempt any steamer plying exclusively on any lake, and any steamer plying within river and extended river limits, from carrying a certificated master or engineer, and during the year exemption from carrying certificated master and engineer has been granted to two vessels, from carrying a certificated master to three vessels, and from carrying a certificated engineer to nine vessels.

Captain S. G. Stringer, Assistant Superintendent of Mercantile Marine, Wellington, has been appointed an Examiner of Masters and Mates, and Captain O. J. W. Lake, Harbourmaster at Napier, has been appointed Examiner of Masters of River Steamers and of Masters of Sailing-vessels in Rivers and Harbours.

Appended are returns showing the certificates granted.

Registration of Shipping.—Returns are appended showing the vessels registered in New Zealand on the 31st December last, and the numbers of seamen and boys employed on them. On the date mentioned there were 244 sailing-ships, of 35,651 register tonnage, and 361 steamships, of 114,973 register tonnage, as against 254 sailing-ships, of 38,631 register tonnage, and 352 steamships, of 112,475 register tonnage, which were on the register on the 31st December, 1910.

Survey of Ships.—Prior to the Shipping and Seamen Amendment Act, 1909, coming into force, all home-trade sailing-ships and also vessels propelled by gas, oil, fluid, electricity, or any mechanical power other than steam up to 5 tons register were not required to undergo periodical survey, but the Act referred to altered the law and provided for annual survey, giving, however, an exemption in the case of home-trade sailing-vessels up to 5 tons register, and all fishing-boats and pleasure yachts up to 10 tons. This was a much-needed reform, as prior to the Act coming into operation the Department had no effective control over these vessels, unless it had reason to believe they were unseaworthy. As the number of vessels affected is very large, the work of survey has been considerably increased, and the number of survey certificates issued by the Department is much larger than formerly. During the year certificates have been issued for 252 steamers, 166 oil-engine vessels, and 89 sailing-vessels.

The following limits have been defined to be river and extended river limits for steamers:—

Auckland: River limits—Rangitoto Channel inside Rangitoto Reef, Tamaki Strait, to Koherunui Point and Waiheke Channel; extended river limits—inside a line from Hautapu Point to Shearer Rock, and thence to Tawharanui Point.

Gisborne: Restricted limits for fishing-boats between Portland Island and Cape Runaway.

Napier: River limits within 2 nautical miles from light on eastern side at entrance of the harbour, and extreme limits between Portland Island and Cape Turnagain.

Port Underwood.—River limits inside a line from Robertson Point to the southernmost point of Ocean Bay, and extended river limits between Port Underwood and Blenheim.

Preservation Inlet: River limits inside a line from Cavern Head to northernmost point of Coal Island produced to land on the opposite shore, and extended river limits inside a line from Gulches Head to Puysegur Point.

Captains Dowd, Brown, Kasper, Lake, and Collins have been appointed to act with Surveyors of Ships in fixing the load-line of vessels employed in carrying cargoes of sand, shingle, gravel, cement, and other dead-weight.

The life-saving appliances rules have been altered to provide that oil-launches up to 40 ft. in length carrying passengers within river and extended river limits may carry a reduced number of life-saving appliances. In making the life-saving appliances rules, those made by the Board of Trade have been followed, except when the circumstances of the Dominion appeared to require modification. The principal departure which we have made from the Board of Trade rules is to require ships' boats to be provisioned. In view of the "Titanic" disaster, it will be advisable to review the rules in regard to the number of boats to be carried, and this will be done.

The following fire-extinguishing appliances have been approved for use on motor-boats, viz.: Minimax, Merryweather, Empire Crown, Dick's Little Fire Queen, Favourite, Handy, Kemik, Matther and Platts, Millar's, New Era, Simplex, Star Motor Extinguisher, Vigor, Quenchee, Rex, and Invicta.

Appended is a return of the vessels to which survey certificates have been issued.

Captain C. M. Renaut, Surveyor of Ships at Auckland, has been appointed an Inspector of Compasses.

Deck Cargo.—The regulation which requires deck cargoes to be inspected by an officer of the Department before the carrying vessels leave port is having a very beneficial effect. It tends to the safety of life and property, as it prevents vessels sailing with more cargo on deck than their licenses allow, and also from having it improperly stowed.

The regulations have been amended to enable the Minister to authorize the issue of licenses for the carriage of motor-cars and agricultural implements on the promenade or top or shelter deck of steamers, when he is satisfied that the deck is of sufficient stability to carry them without danger to passengers and crew, and that they cannot be carried on the main deck; and also that ships under 200 tons register trading to bar harbours where only small ships can enter may be allowed by a Superintendent of Mercantile Marine to carry a greater amount of deck cargo than allowed by the regulations, provided the vessel is laden or ballasted to carry such deck cargo and it is compatible with the stability and safety of the ship.

Regulations for preventing collisions at sea which were made by His Majesty in Council, and which under the provisions of section 191 of the Shipping and Seamen Act, 1908, are in force in New Zealand, have been gazetted for public information.

Deceased Seamen's Estates.—Moneys belonging to the estates of thirty-five seamen, amounting to £304 9s. 10d., have been received during the year, and the sum of £136 7s. has been paid to relatives and other claimants. The sum of £32 5s. 5d., which had remained unclaimed for over six years, has been paid into the Public Account.

Wrecks and Casualties.—Tables showing the casualties to ships and an analysis thereof are appended. Those on or near the coasts of the Dominion numbered 105, representing 46,815 tons register, as compared with 76, of 29,063 tons register, in the previous year. The total wrecks within the Dominion were 6, of 457 tons register, as against 3, of 1,110 tons register, in the previous year. The number of lives lost was 2, as compared with 7 in the previous year. Of the lives lost, one was from the oil-launch "Reremoana," and one in the wreck of the ketch "Bell Flower."

The barquentine "Mary Isabel," 307 tons register, timber-laden, left Whangape for Sydney on the 8th September last, and has not since been heard of. When she sailed her crew consisted of the master, two mates, six able seamen, one ordinary seaman, and a boy. An inquiry was held by the Marine Court at Sydney, to which port the vessel belonged, and the Court found she was well found and provisioned, and that she probably foundered with all hands in bad weather, which occurred soon after sailing.

In consequence of its having been ascertained that the Three Kings Islands were shown in the wrong position on the chart at the time of the wreck of the s.s. "Elingamite," Parliament passed an Act last year to provide for a rehearing by the Supreme Court of the matter of the wreck. The rehearing took place before the Chief Justice, assisted by Captains R. E. Smith and A. D. Chrisp. The rehearing resulted in Captain Atwood, who was master of the vessel at the time of the wreck, being exonerated from blame.

Coastal Surveys and Dangers.—During the time the Antarctic ship "Terra Nova" was in New Zealand last year arrangements were made with Lieutenant Pennell, R.N., who was in command of her, to take soundings off the Three Kings, and between there and Cape Maria van Diemen. The work was carried out in a very satisfactory manner, and plans of the soundings have been sent to the Hydrographer to the Admiralty, so that the soundings may be shown on the Admiralty chart. Lieutenant Pennell also took soundings between the Clarence River and Amuri Bluff. It is proposed to arrange for him and a party of his men to make a survey this year between Jackson's Head and the French Pass, as this locality is traversed by a great deal of shipping, and it is therefore important that a fresh and more exhaustive survey should be made.

Captain Bollons, of the s.s. "Hinemoa," has made surveys of a rock near the Twins Rock, Bay of Islands, a rock off Cook Rock in Cook Strait, and a sunken rock off Moko Hinou. The results of the surveys have been published for the information of mariners.

Nautical Publications.—The Nautical Almanac, which is prepared by Captain Blackburne, Nautical Adviser of the Department, was issued in December last, and a very large number of copies have been sold. It contains a large amount of information which is of special value to shipmasters and other nautical men. A fresh issue of the Azimuth Tables issued by the Department has been printed.

Notices to Mariners.—Appended is a return of Notices to Mariners affecting the Dominion which have been issued by the Department during the year. Copies of these notices are sent to the Hydrographer to the Admiralty, and to some of the foreign Hydrographic Offices, to all the marine authorities in Australia, Tasmania, and Fiji, and to all the harbour authorities, shipping offices, and Customhouses in the Dominion. In addition to these notices, the Department has also issued a large number of notices received from the Imperial Board of Trade, the United States Hydrographic Office, and from the Australian marine authorities.

Meteorological and Weather Office.—The duties connected with this office have been carried out in a very satisfactory manner, and the value of the work, especially of the weather forecasting, is thoroughly appreciated throughout the Dominion. This work will become more valuable as the use of wireless telegraphy becomes more extended, as further data than is now available will be obtainable. Additional stations have been established during the year, and the question of establishing 100 more is now under consideration. At present this Department pays the Post and Telegraph Department £8 a year for wiring the daily forecasts to each station, but that Department has offered to send the messages to the 100 additional stations for £400 a year, as by a system of grouping the work of writing and transmitting the forecasts will be reduced. If the arrangement is completed, the Department will then be paying the Postal Department £1,200 a year for telegraphing the daily forecasts.

A new observatory is being erected on the Thorndon Esplanade, Wellington, on a site leased from the City Council at a nominal rental, and the thanks of the Department are due to the Council for allowing the occupation of this site, which is a very good one, for the purpose.

Appended is a report by the Rev. Mr. Bates, Director of the Meteorological and Weather Office, giving full information concerning the work of the office.

Government Steamers.—The “Hinemoa” has carried out the work of attending to the lighthouses and buoys and beacons under the control of this Department, and has performed the work in a very satisfactory manner. She made a special trip to the Chatham Islands with passengers and cargo, owing to the ordinary steamer service being interrupted for a time. She also made a trip with His Excellency the Governor from Auckland to Whangarei, the Bay of Islands, and back to Auckland, and conveyed His Excellency's household from Wellington to Lyttelton and back. The “Tutanekai” has carried out repair-work to the Cook Strait cables. During most of the year she has been laid up in Wellington Harbour. During the time she is laid up only the nucleus of a crew is kept on board. The Post and Telegraph Department pays to this Department the sum of £2,000 a year in consideration of her being available for cable-work when required, this Department providing the remainder of the cost of her maintenance. During the year she has had a new funnel put in her and new bridge deck laid down, towards the cost of which the Post and Telegraph Department contributed. A house for a wireless-telegraph room has also been built on her bridge deck. Arrangements are being made to install the wireless on both steamers.

During last winter the training-ship “Amokura” was moored in Wellington Harbour, and the boys underwent the usual courses of training on board, and also attended classes at the Technical School. At the conclusion of the classes they passed very creditable examinations. The Department has purchased the building on the Thorndon Esplanade which was formerly the Thorndon Yacht Club's shed. The ground floor will be used for a storeroom, and the upper floor for a schoolroom for the boys, in which they will be taught during the winter months by teachers from the Technical School in subjects which are specially selected as being of value to them in after-life at sea. The vessel made her first cruise after last winter in Cook Strait, and she then proceeded to the Southern Islands to search for castaways and examine the depots for castaways. On her return she proceeded north, and went from Auckland to the Kermadec Islands to search for castaways and to examine the depots. She then made a trip to the Chatham Islands to render assistance, if required, to the stranded steamer “Himitangi,” and from there she went to Akaroa and on to the Southern Islands. A new boat-deck and better means of storing fresh water on board are required, and it is proposed to provide these while the vessel is in port during the winter. With very few exceptions, the boys have conducted themselves well, and the value of their training is evidenced by the demand there is for their services on other ships when they have completed their training on the “Amokura.” Attached is a return showing the boys who have passed through the ship, and those still on board.

Lighthouses.—A contract has been let for an iron tower for the lighthouse which is being erected at Castle Point, the site for which is being got ready. A road to it has been formed, the erection of the keepers' dwellings and the necessary outbuildings and stores are being proceeded with, and the lantern and apparatus have been received from England. It is anticipated that the works will be completed and that the light will be exhibited early in November next. The light will be a second-order incandescent group-flashing white light, flashing at intervals of forty-five seconds, with intervals of eight seconds between each group-flash.

The work of forming the necessary track from the landing-place to the site of the lighthouse which is being erected on Chicken Island, and the erection of the tower, is now in hand, and the apparatus has been procured, and will be sent to the island as soon as the tower is ready for it. The light will be an automatic acetone-acetylene light, so that no keepers will be required. The acetone-acetylene gas is manufactured in Napier, and will be sent to the lighthouse by the “Hinemoa” in specially made cylinders about every three months, when the vessel makes her periodical visits to the northern lighthouses. The light will be a flashing light, a quarter of a second flash and three and one-twelfth seconds dark, giving eighteen flashes a minute.

A vote of £1,500 was taken last year for a lighthouse at the North Cape, and the lantern and apparatus have been ordered from England. A further vote will be asked for next session of Parliament, in order that the erection of the tower, dwellings, and other necessary buildings may be proceeded with. The light will be a second-order incandescent group-flashing white light, giving three flashes in quick succession every half-minute.

When the lighthouses on Chicken Island and the North Cape are completed the coast from Cape Maria van Diemen to Auckland will be very well lighted indeed.

The new tower at Tuahine Point, near Gisborne, has been completed by the Department, and an acetone-acetylene light, provided by the Gisborne Harbour Board, installed in it. This light, which was exhibited on the 16th October last, is being maintained by the Board.

During the year incandescent lights have been installed at Cape Palliser, Cape Egmont, Cape Saunders, Waipapapa Point, and Farewell Spit. In addition to these places, similar lights are in use at Cape Maria van Diemen, Cape Brett, Cuvier Island, Pencarrow Head, Brothers, Stephens Island, Centre Island, and Puysegur Point; and the apparatus for installations at Portland Island and Kahurangi Point have been obtained, and will be fitted up in the lighthouses as soon as the expert, who is at present engaged on the lighthouse-works at Castle Point, is available to do the work.

These installations give a much better light than is given by the use of the Doty paraffin-burners formerly in use, and their maintenance is much less expensive, as they burn less oil, and kerosene, which is a cheaper oil than paraffin, is used. I recommend that provision for installations for some of the other lighthouses be made in the estimates for the current year.

Some years ago the Department decided to keep a stock of reserve provisions at isolated lighthouses, from which the keepers could obtain supplies in the case of there being delay in the visits of the attending steamer; but it has been found that very few of the stores were used, and it has therefore been decided that in future the only things that will be kept in the reserve stock will be flour, sugar, and tea.

Captain Bollons, of the s.s. "Hinemoa," has continued to inspect the lighthouses on the vessel's periodical trips with oil and stores, and I have made inspection visits to those at Bean Rock, Ponui Passage, Tiritiri, Cuvier Island, Mokohinou, Cape Brett, Cape Maria van Diemen, Kaipara, Manukau North and South Heads, Nelson, Cape Foulwind, and Godley Head. I found that these stations were in good order, and that the keepers were carrying out their duties in a satisfactory manner.

One principal keeper retired on superannuation during the year on account of ill health, and six assistant keepers resigned. To fill the vacancies thus caused, and vacancies which arose through the deaths of two keepers in the previous year, nine new appointments were made.

A fresh contract has been let for carrying a monthly mail between the French Pass Post-office and Stephens Island Lighthouse, and a new contract for the mail-service between Opoutama and Portland Island Lighthouse is being arranged for, as the man who has been carrying on the service has given it up.

The following works have been carried out at the lighthouses:—

Mokohinou: The drains have been renewed and the fowlhouses repaired.

Tiritiri: Wash-houses and coal-sheds have been erected.

Cuvier Island: Two rooms have been added to the second assistant keeper's house.

Cape Egmont: A new fence has been erected.

Kaipara Head: A wash-house has been moved and re-erected.

Akaroa Head: The wash-houses have been enlarged and coppers fitted in them.

Cape Saunders: Roofs have been renewed and coppers put in wash-houses.

Nugget Point: A wash-house, coal-shed, &c., have been erected at the first assistant keeper's house.

Waipapapa Point: Porches have been erected at the dwellinghouses, and material has been procured for new fences.

Dog Island: A new roof has been put on the principal keeper's wash-house.

Centre Island: A flaghouse, boat-shed, and fowlhouse have been erected.

Farewell Spit: A new fence has been erected.

An Order in Council has been made providing that vessels arriving from outside the Dominion shall pay oversea light dues at the first port of arrival, and coastal dues at other New Zealand ports at which they call, and also that vessels arriving from the Chatham, Auckland, Campbell, Antipodes, and Bounty Islands shall pay coastal dues.

The amount of light dues collected was £38,232 0s. 11d., as compared with £36,749 3s. 9d. during the previous year.

Fog-signals.—The explosive fog-signals at Pencarrow Head, Godley Head, Tairaroa Head, and Cuvier Island have worked satisfactorily, and have been maintained in an efficient manner. It is proposed to procure a fog-signal for erection at the North Cape when the lighthouse is erected there.

Harbours.—The work of overhauling and cleaning the buoys and beacons in the harbours under the control of the Department has been carried out by the s.s. "Hinemoa." One of the beacons at the entrance to Whangaparapara Harbour was blown over, but it has been re-erected and is now in good condition. General Harbour Regulations to ensure the protection of life and property on vessels in harbours have been made.

A large number of logs which were dangerous to navigation have been removed from Hokianga Harbour. In the case of those of which the owners can be identified from the brands, the cost of removal will be recovered from them. A wall is being erected at Kohukohu to enable a shallow part of the harbour near the wharf to be reclaimed. It is intended when the reclamation is completed to cut up the land and lease it for building purposes. The oil-launch used by the Harbourmaster at this port is becoming unfit for the heavy work which she has to perform, and it is intended to substitute the launch now used by the Inspector of Fisheries and Beaches at Auckland as soon as the new launch which is now being built for that officer is completed.

An acetylene light is being erected at Shelly Beach, in the Kaipara River, for the benefit of vessels plying to and from Helensville, and the channel of this river has been further improved by the removal of some more of the rock that obstructed navigation.

A beacon has been erected on a rock in Okalumoko Bay, Whangaroa Harbour.

An acetone-acetylene light giving 0.3 seconds light and 2.7 seconds darkness, or twenty flashes of 0.3 seconds' duration every minute, has been erected on Dieffenbach Point, at the junction of Queen Charlotte Sound and Tory Channel, and has proved to be of great benefit to shipmasters. This is an automatic light, and does not require a keeper to attend to it. When a fresh supply of gas is required, a charged cylinder is taken down from Picton by the Harbourmaster, who brings the empty cylinder away and sends it to Napier to be refilled. One cylinder of gas lasts sixty days, and should it be desired to visit the light less frequently, all that would be required would be to send down and connect with the light more than one cylinder of gas. A similar light, but of higher power, has been procured for Bean Rock, in Auckland Harbour.

During the year the system of issuing licenses to take shingle and sand from certain portions of the foreshore in the Hauraki Gulf, and at Tutukaka and Whangaruru, has been adopted, a royalty being charged on what is taken. A large number of vessels are engaged in the trade, as there is a large demand for the material in Auckland. Mr. J. P. Bennett has been appointed Inspector of Beaches, and instructions have been given to him to see that, in taking the material, no damage is done to the adjoining land.

Mr. A. D. Bayfield has been given a twelve months' license to prospect for ironsand on the foreshore between the Wanganui and Wairoa Rivers.

The General Harbour Regulations require vessels when in harbours to have on board a sufficient number of men at all times to perform the services required for the safety of the ships, unless the Harbourmaster gives a written exemption from this requirement. The Shipowners' Federation at Auckland asked that all vessels up to 100 tons should be exempted from this requirement, but the Department has not seen its way to alter the regulations to allow this. Vessels under 100 tons would be as much a danger to other ships as larger vessels should their lights go out and there be no one on board to relight them. It is therefore considered that the responsibility of granting exemptions should remain with Harbourmasters, who would know whether the vessels where they are moored would be in the way of other ships.

J. R. Sigley has been appointed signalman at Awakino, in place of W. J. R. Avery, resigned.

A contract has been let to Messrs. Stevenson and Cook, of Port Chalmers, to make and supply four iron buoys, and a contract to Messrs. Niven and Co. to make one large buoy.

The following prosecutions for offences in connection with harbours were instituted by the Department, viz.: J. Condon, for putting nightsoil into the Wairoa River, Kaipara—a fine of £5 and costs was imposed; E. Hapeta and R. Harris, for carrying passengers in unlicensed launches in Hokianga Harbour—the former was ordered to pay costs, and the latter was fined 10s. and costs; J. Johnson and J. Grogan, for taking shingle from the beach at Station Bay, Motutapu Island, without a license to do so—they were convicted and ordered to pay costs; J. Harrison, for depositing sand in Whangape Harbour—a fine of 10s. and costs was imposed; J. B. Andrewes, for towing an unlicensed pontoon with passengers on it in Hokianga Harbour—he was fined 1s. and costs; T. W. Baker, for running a launch without being licensed—a fine of 1s. and costs was imposed; E. Dixon, carrying more passengers than his license allowed—he was fined 5s. and costs.

The sum of £1,946 17s. 10d. has been collected for pilotage and port charges in respect of ports under the control of this Department, as compared with £1,860 during the previous year. A return showing the ports at which these charges were collected, and also the pilotage and port charges collected at ports under the control of Harbour Boards, is appended.

A return of harbour-works approved by the Governor in Council, and of the foreshore licenses issued, is appended. Plans of these works are submitted to the Marine Engineer for examination and for his report thereon before they are approved, and all foreshore licenses are gazetted. The examination, preparation of licenses, correspondence in connection therewith, and gazetting involve a great deal of work.

Fisheries.—The rock-oyster beds in the north which are worked by the Department were picked last season between the 1st May and the 31st July, and 4,782 sacks of oysters were picked and sold, a ready sale being found for them at 12s. 6d. a sack. The ordinary season within which they may be taken extends from the 1st May to the 31st October, but it was deemed advisable to close on the 31st July, so that the beds should not be overpicked. The amount received from the sales of those picked was £3,013 6s. 8d., and the expense of picking and selling was £2,447 7s. 7d., so that a profit of £565 19s. 1d. was made. Owing to the heavy demand a higher price could easily have been obtained, but it is the desire of the Department to sell them at such a price as will place them within the reach of all, and to sell them direct to consumers so far as this can be done. Last season it was found that, owing to the limited supply, some dealers who could not obtain all they wanted were arranging with individuals to purchase at the Department's depot ostensibly for themselves but really for dealers, to whom they resold at a higher price. If it is found that this practice continues, the Department will arrange to deliver them itself at the houses for which purchasers say they are bought, and, if this does not stop the practice, other steps will be taken.

The profit from the sale of the oysters is being used to replant the beds which were destroyed by overpicking and indiscriminate picking before the Department took over the picking and sale. During the last two years replanting has been done on the Coromandel coast at Huieh, Kepuki, Rabbit, and Green Islands, Kirita Bay, south shore of Coromandel Harbour, and from Coromandel South Head to Mania Head; and I strongly recommend the continuance of the replanting of other depleted areas.

Recently some persons were found illegally taking oysters from the replanted beds. They were prosecuted and fined, but in most of the prosecutions for poaching oysters the fines imposed are too low to have much of a deterrent effect. When the Fisheries Act is next amended, it would, in my opinion, be wise to make provision for a higher minimum fine for taking oysters from replanted beds than is already provided for in the case of oyster-beds generally.

The Foveaux Strait beds yielded a sufficient supply of oysters last season to meet requirements, although they were in rather poor condition early in the season. Of the quantity taken, 266,192 dozen, valued at £2,057, were exported to Australia. Experience having shown that the oysters have not fully recovered condition by the 1st February, it was decided to alter the open season, which had been from the 1st February to the 30th September, and to make it from the 1st March to the 31st October. This has accordingly been done.

On several occasions fish caught from steamers, especially when waiting for the tide outside bar harbours, have been sold, although the steamers are not licensed as fishing-boats. This is a breach of the law, and is unfair to fishermen who have to take out licenses for their boats. As a warning, proceedings are now being taken against a person for doing this.

It is to be regretted that the municipalities have not so far established fish-markets, but I understand that the Wellington City Council is moving in the matter. I am convinced that the establishment of such markets would have a beneficial effect on the fishing industry, and would enable the public to get better and cheaper supplies of fish.

The report of Mr. Ayson, Chief Inspector of Fisheries, which is appended, gives full and detailed information concerning the fisheries.

Amendments of the Fishery Regulations have been made to allow netting for indigenous fish in the Taieri River up to the ferry; to extend the close season for seals; to increase the minimum weight at which blue-cod may be taken and sold to 16 oz., and to make the minimum weight at which they may be sold when gutted and headed 11 oz.; prohibiting taking fish except eels in Victoria Valley, Toatoa River, and Lake Ngata; to close the Kaipara Oyster-fishery; to make a two-years close season for oysters on the Waimea mud-flats; to alter the dates of the open oyster season in the South Island and Stewart Island; and as to the use of whitebait set-nets in Westland and Taranaki.

The close season for Risso's Dolphin ("Pelorus Jack") has been extended to the 31st May, 1914.

The Chatham Islands has been made a place of registry for fishing-boats.

Whaling.—The Department has received a great many communications from firms in Norway, Great Britain, and Australia, asking for information concerning whaling concessions in the Dominion. Some of them desire to moor floating factories in suitable harbours, and others want sites on which to erect shore factories. They have been informed that there is no law to prevent any one whaling in New Zealand, or to prevent the mooring of floating factories, provided the Harbour and Public Health Regulations are complied with. In reference to shore sites, they have been told that nothing can be done as regards these until specific sites are applied for. Messrs. Cook Bros., who have had a whaling-station at Whangamumu, near the Bay of Islands, for several years past, have extended their operations to Campbell Island. The lessees of that island also carry on whaling there as a part of their occupation, but it is understood that the number of whales taken has not been large.

Returns showing the number of registered fishing-boats at the various ports, and the prosecutions for breaches of the Fisheries Act, are appended.

Portobello Marine Fish-hatchery.—I visited this station on the 24th ultimo, and found that a good deal of improvement-work has been carried out since my last visit. Alterations have been made in some of the ponds, and improvements made in the hatching-shed. An addition has been made to the cottage of the curator's assistant, and a garden laid out, fenced in, and protected by a breakwind on the south-west side. The whole work has been done in a most economical manner, and reflects credit on the Board, the curator, and his assistant. The station is managed by an honorary Board, which carries out the administration duties without expense. Valuable investigation-work in connection with New Zealand fishes is being carried out, and large numbers of flat-fish eggs are taken and put into the harbour. Nothing so far has been seen of the young lobsters and edible crabs which have been liberated, but it is early yet for them to be seen. It is advisable to import a fresh supply of live lobsters and crabs from England for breeding purposes, and this can be done when importing a trial shipment of herring-ova if it is decided to obtain such ova. The whole cost to the Department of the hatchery during last financial year was £458 17s. 4d., being a grant to the Board of £330 for the salaries of the curator and his assistant, and £128 17s. 4d. for alteration of ponds and repairs.

Valuable and interesting reports by Mr. G. M. Thomson, M.P., Chairman of the Hatchery Board, and Mr. Anderton, curator, are appended.

Herring.—For some time past the Fishery Board of Scotland has, at the request of this Department, been making experiments in retarding the hatching of herring-ova, with the view of seeing whether they could be retarded long enough to enable them to be brought out to New Zealand. The result of the experiments is that hatching has been retarded for fifty days. The Board's Scientific Superintendent advises that a trial shipment of fertilized ova should now be made. The value of the herring as an addition to the food fishes of the Dominion would be so great that I strongly recommend that an attempt should be made to introduce the ova during the coming season. Even if the first attempt is not successful, the experience gained would doubtless result in success with later shipments. If it is decided to make the attempt, it would be advisable to send Mr. Anderton, curator of the Portobello Hatchery, to England to arrange for the shipment and to bring it out, as his experience in treating and dealing with delicate fish-ova at the hatchery has been such that I think if any one can bring the ova out successfully he can. He could at the same time arrange for and bring out a further supply of live lobsters and crabs, and also a few live haddocks.

The following persons have been appointed Inspectors of Sea-fishing, viz.: W. A. Brookes, W. G. Wohlmann, J. M. O'Connor, T. M. Condon, W. E. Cobeldick, J. Main, W. J. Williams, and F. A. Franks.

Salmon.—No salmon-ova were imported last year, but it is advisable that a shipment of at least a million Atlantic-salmon ova should be obtained from Great Britain during the next season. It is still too early to see whether the former shipments will prove successful, but importation should go on until time shows whether the attempts to introduce this fish have succeeded or not. The success obtained with quinnat salmon justifies the belief that there will also be success with Atlantic salmon. Last season 240,000 quinnat ova were collected from fish taken in the tributaries of the Waitaki River, and of these 22,500 were supplied to the Tasmanian Government, 157,500 were put in a tributary of the Hokitika River, 3,000 fry were liberated in the Seaforth-Mackenzie River, and the balance were kept at the Hakataramea Hatchery for liberation later on. Ova is now being collected from fish which are spawning in the tributaries of the Waitaki, most of which will be put into the Hokitika River.

Trout.—Last season requests were received from acclimatization societies for 760,000 brown-trout ova, but, owing to floods carrying away some of the nets set to catch the spawning fish, the Department was able to take only 580,000, and it therefore had to obtain 180,000 from the Otago Society to enable all the requests to be complied with. The ova were sold to the societies at 5s. per thousand. 100,000 rainbow-trout ova were also taken and supplied to the Queensland Government.

I have, &c.,

The Hon. the Minister of Marine, Wellington.

GEORGE ALLPORT, Secretary.

The PRINCIPAL EXAMINER OF MASTERS AND MATES to the SECRETARY, Marine Department.

Office of the Principal Examiner of Masters and Mates,
Customhouse, Wellington, 10th May, 1912.

SIR,—

I have the honour to submit my annual report on the examination of masters and mates in New Zealand for the year ended on the 31st March last. The work, as usual, has been carried out by the Examiners at the four principal ports in a satisfactory manner. In October, 1911, the Harbourmaster at Napier, Captain Osmond J. W. Lake, was appointed Examiner of Masters of Sailing-ships plying in Harbours and Rivers at that port, and Captain S. G. Stringer, Surveyor of Ships in Wellington, was appointed as an Examiner of Masters and Mates in Wellington, to avoid candidates being delayed in their examinations when Captain Smith is away from Wellington in connection with his duties as Naval Registrar.

There has only been a very slight increase during the last twelve months in the number of candidates who have presented themselves for examination for masters and mates, but notwithstanding the small increase the number of successful candidates during the last twelve months is fourteen less than in the previous year. Fifty per cent. of the whole number of candidates have failed, and no less than 64½ per cent. of the candidates for foreign-going certificates have failed. Notwithstanding the fact that the Examiners have had the unpleasant duty of failing such a large percentage of candidates, there have been no complaints of unkind treatment, which speaks well for the temper in which the candidates have taken their failures, and also for the Examiners, all of whom I believe to be gentlemen of pleasant and even temper, who conduct their duties of examination in a faithful and impartial manner.

Nothing new in the examinations has been brought in this year except that a new examination for a special class was instituted—viz., on the 29th June, 1911, regulations were gazetted for examination of masters of sailing-ships plying in harbours and rivers. Only two of this class have passed during the year. We have received notice from the Board of Trade that the form of questions in connection with the problem given in the chart-examination work has been changed. The Marine Department has therefore gazetted a Notice to Candidates for Foreign-going Masters and Mates in New Zealand (4th April, 1912) to the effect that these changes will be made in the New Zealand examinations in January, 1913, and copies of the new form in which the questions will be set have been printed and sent to the Superintendents of Mercantile Marine and the officers in charge of Customs at the principal ports of New Zealand, and may be seen on application by intending candidates or teachers of navigation.

No candidates applied to be examined for extra master during the year. I am not surprised, as few consider that the time, money, and labour expended over this examination is likely to be repaid, and in my opinion the time allowed for working the problems, &c., is insufficient. Also, some of the navigational problems demand an expenditure of energy which in my opinion is quite unjustifiable and utterly impracticable, and serves no good purpose, and, moreover, leaves an impression on the minds of many officers that stellar navigation outside the meridian altitude is a difficult thing, whereas with the help of present-day aids to navigation, such as our own New Zealand Nautical Tables, it is a simpler matter than when dealing with the sun, and much more reliable. I am firmly convinced that if the problem of finding the ship's position from two or three stars at twilight were given in the Board of Trade examinations, and candidates were allowed the use of such tables as they know for facilitating the work of this problem, it would be the means of saving many a ship from disaster. On pages 122 and 123 of the last edition of our Tables for Azimuth, &c., I have given several cases to illustrate this which have come under my own observation. I have also written to the Principal Examiner of Masters and Mates in London, who is responsible for the Regulations relating to the Examinations of Masters and Mates, but my letter and previous letters from the Secretary of the Marine Department have been of no avail, and, notwithstanding the fact that these regulations and our own, which are copied from them, state that "candidates will be allowed to work out the various problems according to the method and tables they have been accustomed to use," we are still prohibited from using my tables and methods, even in the ordinary examinations for masters and mates, although I have very clearly and publicly shown and illustrated that by them the "Sunner" problem is not only much more quickly solved, but results are more accurate. Notwithstanding the above-quoted rule, and the fact that our tables have been acknowledged by reviewers in the principal shipping papers in England and the United States of America to be the most complete and comprehensive azimuth tables yet published, the Board of Trade authorities will not give permission to use them even in our New Zealand examinations of candidates for foreign-going masters and mates. This has sometimes put us into rather an awkward position. On one occasion a candidate for second mate, foreign-going, was on the point of failure over his azimuth problem, after having passed a short time before for home-trade master, when he was allowed the use of our New Zealand tables, and he naturally felt that he had a grievance because he was not allowed the same privilege when sitting for his foreign-going certificate. I never set an azimuth problem which is outside the limits of Burdwood's or Davis's Azimuth Tables, and our home-trade masters are perfectly free to use whichever tables they prefer, but five out of six candidates use our tables in preference.

Several candidates have now voluntarily passed the higher standard of form-vision which will come into force for all candidates when passing their first examination after the 1st January, 1914.

I would again draw the attention of those interested that boys, or parents intending to send their boys to sea, should note that unless they are in possession of a certificate of competency by the 1st January, 1914, they will after that date be required to pass the new standard of form-vision as laid down in Appendix A of the regulations, whether they are coming up for a certificate of competency or for examination in sight-test only. In this examination the candidate will be tested with each eye separately, and he must not be allowed to use spectacles or glasses of any kind.

I have, &c.,

HAROLD S. BLACKBURNE,
Principal Examiner of Masters and Mates.

The Secretary, Marine Department.

The DIRECTOR, Meteorological Office, to the SECRETARY, Marine Department.

SIR,—

Wellington, 8th May, 1912.

The work of this branch of the service has been carried on regularly throughout the year, and with some rather important developments.

Special storm warnings have from time to time been issued and posted up on all telegraph and telephone offices in the areas affected, and each warning has hitherto been amply justified by results. This, through the generosity and enterprise of the Telegraph Department, has not been made a charge upon the Weather Bureau.

Master mariners have also in greater numbers applied for special forecasts by prepaid or collect telegram, and expressed their appreciation of services rendered. There have been a larger number of inquiries in other directions for forecasts by telegraph.

The Mackenzie Country settlers have also expressed gratitude for warnings of all the storms that have affected their interests, and warnings are now sent to Fairlie in code at 6d. per word for distribution by telephone to various post-offices in that area. In that district, in which a snowstorm has in days gone by killed 75 per cent. of the sheep, it is now proposed to have greater extension of telephones, and the wider distribution of the forecasts will undoubtedly add to their value.

Wireless telegraphy has been carefully watched and experiments made which, as soon as the new high-power stations are equipped, will, we hope, lead to greater confidence in prediction and wider knowledge of atmospheric conditions. The corrections for the barometers will, however, have to be carefully attended to, and great care and judgment exercised, or false alarms may be raised through trusting to erroneous readings which would predicate violent storms. A few aneroids of superior construction have been supplied to some ships, and very interesting results have been attained. His Majesty's warships the "Pioneer," "Challenger," "Powerful," "Encounter," and "Cambrian" have given the fullest and most useful reports; and the "Moeraki," "Moana," "Wimmera," "Aorangi," "Ulimaroa," "Remuera," "Roserie," "Manuka," "Maheno," "Tahiti," "Athenic," "Marama," "Talune," "Turakina," "Makura," "Maitai," and other vessels have also sent in ocean reports from time to time.

With the experience gained it is now proposed to issue a short code for position of ship, wind (direction and force), barometer, weather, and sea, in five words giving the necessary particulars to our registered address, "Weather, Wellington." Both to the officers of the ships and the wireless operators our very best thanks are due for their praiseworthy efforts, which will, we trust, lead to the establishment of a useful ocean weather service. The Secretary of the General Post Office will, as soon as the time is ripe and codes have been distributed, allow us in return to issue at 11 p.m. every night weather reports for Russell, Wellington, and Bluff, giving the state of sea in the straits, and occasional advice as to storm-centres. Master mariners who have taken marine meteorology as a subject for examination, or studied the science, will appreciate these reports.

Examination of ships' logs and reports from intercolonial and Home boats in the Southern Hemisphere, hitherto neglected in this country, now assume an importance undreamt-of before the advent of wireless telegraphy. The publications of the British Meteorological Office, the American Weather Bureau, and the Deutsche Seewarte are of immense value to the shipping of the world, and many ships travelling in New Zealand waters regularly report to those offices, and it is to be regretted that we cannot avail ourselves of the stores of information on marine meteorology, which are of special interest to us regarding storms, &c., that now pass by our doors.

A Dine's anemometer is being installed on Mount Etako, the new wireless station at Wellington. This will show the force of every gust of wind as well as give a record for the twenty-four hours. A Robinson anemometer has been established at the station during building operations, and comparisons made between its results and those at the observatory at the Alexandra Barracks. The total daily velocity is nearly double at the higher altitude than at the lower. Another Dine's anemometer has been ordered for the new observatory on the Thorndon Esplanade, and then very interesting comparisons will be possible not only for averaging the daily force and velocity, but for the several gusts and squalls from time to time.

The new observatory-site upon Thorndon Esplanade near the old saluting battery meets every need, and is leased from the City Council at a nominal rental. It is hoped that its exposure to sunshine, rain, &c., will not be interfered with for many years by buildings in the vicinity. The instruments will all be moved as soon as possible, and it is believed that the site will afford truer means than have yet been obtained for all the climatic elements of Wellington. At the suggestion of G. C. Simpson, Esq., D.Sc., Chief Meteorologist to the British Antarctic Expedition, a small building containing the Dine's anemometer, &c., will be used for cloud observations through a lens in the roof, and probably also a camera obscura. As an adjunct to the Campbell-Stokes sunshine-recorder, a sundial will be erected; it is engraved to show appropriate mean and true time at a glance. This observatory will, it is to be hoped, next year take rank as a first-class station, the first in New Zealand, keeping continuous records of all climatic elements.

There has been considerable delay in obtaining the full order of instruments from England, partly on account of strikes, and I regret to say that the stations at Dunedin and Hokitika in the South Island have not yet been renewed, and the higher-level stations at Bealey and Mount Egmont are not yet established, but the instruments are now ready. The North Island inspection has not yet been completed, but must shortly be undertaken.

During the past year I have had occasion to visit Australia on private business, and took advantage of the opportunity to visit the Head Office of the Commonwealth Weather Bureau at Melbourne, where Mr. H. A. Hunt, the Commonwealth Meteorologist, offered me every kindness and courtesy in his power. I also visited the Sydney Observatory under the Divisional Officer, Mr. Stewart Wilson, and obtained an insight into the working of the whole service. I visited the

observatories at Wagga and Newcastle, and made careful inquiries and inspection, and these were very helpful and instructive. Much more display is made of meteorological results throughout Australia than is possible in this country, but a large staff enable the work to be done very effectively. The daily weather forecast for Australia is made by consultation of four Chief Meteorologists with the Commonwealth Meteorologist, who issues the general forecast to the Divisional Officer of each State, who in turn has authority to publish, revise, and amplify the same when necessary.

During my three weeks' absence the work of the office was carried on very satisfactorily by my assistant, Mr. B. V. Pemberton, and since my return I have been able to make more advantageous use of his abilities and experience, and the result has been that we have expedited the issue of the morning forecasts.

There has been a greater demand for the daily weather forecast from towns both coastal and inland, and, at the suggestion of the Agricultural Department, it is proposed to add another hundred stations to the list of places receiving the same. By a system of grouping, the work of writing and transmitting these forecasts will be somewhat reduced, and the Telegraph Department will take the extra hundred stations at half the former rates. This proposal will cost £400 extra, and will be submitted in the forthcoming estimates. The total cost for telegraphing all these reports will be £1,200 per annum. Further additions to the list which may be made in the future will cost £4 each per annum.

The evening reports and general forecasts are published through the Press Association of the Dominion at the cost of the receivers, but, at the request of the master mariners, the reports are exhibited at the General Post Office, Wellington, at 5 p.m., or as soon as possible afterwards; but there are often delays, and corrections have to be made, so that these reports and forecasts always mean extra labour after office hours. During the past years these general summaries and forecasts have met with such appreciation that the work has been gladly and voluntarily undertaken even on ordinary Government holidays.

The rainfall map published in the Official Year-book is now being exhibited at two thousand post-offices in the Dominion. It has also been republished in the *Agricultural Journal*, the *Auckland Graphic*, &c.

Several additions have been made to the number of rainfall or third-class stations. The observers at all these places perform public service voluntarily and regularly for their districts, and are only supplied with the necessary forms and monthly extracts containing the results for all parts of the Dominion. These efforts are deserving of the thanks and recognition of their own district and the community at large. At least ninety thousand observations of rainfall were made during last year alone, and for sixty years previously this work has been performed by voluntary observers *pro bono publico*. Our records are each year becoming more and more valuable, and the foundations have been laid for still greater usefulness. Ten times the number of stations could well be established with advantage and with small cost to the country. The cost of a gauge complete to the Department is only about 10s., and invaluable results could be obtained. A large number of schools have made application for meteorological instruments, but these have had to be declined, for school observations have been found to be very unreliable. The removal of teachers, entrusting the observations to different pupils, interference of children, and, above all, frequent holidays, militate against continuity, regularity, and accuracy in the results.

The publication of the statistics of the chief stations is made each year in the blue-book issued by the Registrar-General, and monthly rainfall and climatological returns in the *Government Gazette*. Articles, reports, and statistics upon the climate and weather are prepared for the Year-book. Monthly reports were prepared for a time in the *Agricultural Journal*, but were discontinued because the reports from the observers, with the statistics, could not be in hand in time for publication; but the notes upon the weather of the month have been resumed by this office, and now supplement valuable reports by officers and inspectors of the Agricultural Department in all parts of the Dominion.

Mr. F. W. Simms has attained rank as a permanent Civil servant by five years' work as a temporary clerk. He has proved a diligent, painstaking, and regular observer.

The Secretary, Marine Department:

D. C. BATES, Director.

The CHIEF INSPECTOR OF FISHERIES to the SECRETARY, Marine Department.

SIR,—

Wellington, 7th May, 1912.

I have the honour to supply the following report on the condition of the fisheries throughout the Dominion during the year ended 31st March.

Commencing with the Wellington District, I have to say that the market on the whole has been much better supplied with fish than during the previous twelve months. The small boats working on the local fishing-grounds are reported as having done much better than for the last two or three years, and there has been a decided improvement in the supply obtained from the Napier trawling-grounds. This improvement applies to round fish, as I have again to report a shortage in the supply of flat fish both from the Napier and the local fishing-grounds. For a short time during the early part of the summer a fair supply was brought in by the trawlers, but it only lasted for a few weeks, and, on the whole, the supply coming forward has been far short of market requirements. With regard to warehou, there was a fair run of fish in January, but the supply so far this season has been below the average for these fish.

The supply of fish obtained from the various fishing-grounds off the Canterbury coast is reported as being better than for several years past. During the spring and summer there has

been a decided increase in the quantity of flounders netted from Lake Ellesmere. This proved a very welcome addition to the supply of flounders for the Christchurch market, which was, with other places, experiencing a short supply of these fish. Trawling in Pegasus Bay and off the Akaroa Peninsula has been rather poor for some time. The local Inspector reports that the result of this condition is that at the present time only one vessel is working out of the six which were employed before the beginning of the year, four of the others having left for other fishing-grounds, and one gone out of commission. The extensive fishing-grounds off Timaru are now attracting the attention of those interested in the trade in the south. Since the beginning of this year two trawlers from Lyttelton have commenced operations, and up to the present time they are reported as being well satisfied with the results obtained. During the year there has been a considerable increase in the quantity of fish brought in by the smaller fishing-boats.

The catches from most of the fishing-grounds off the Otago coast during the past year are reported by the local Inspector as having been unusually good, and the market well supplied with fish. When I visited Moeraki in November last the fishermen complained of a scarcity of blue-cod on the local fishing-grounds. Some of the oldest fishermen stated that there had been a steady decrease for a good many years. One man made the statement that "Fifteen years ago one of the old sailing-boats would bring in as many blue-cod in a day as all the boats could do now." The Collector of Customs at Oamaru in his report of the 19th April says, "Blue-cod are now very scarce." The large fish-salesmen in Dunedin report the supply of flounders and soles as poor during the year.

At Invercargill and Bluff during the past winter the quantity of fish brought in was about the average for that season. A decided improvement, however, took place during the spring and summer.

At Picton the local Inspector in his report on the fisheries indicates that, with the exception of blue-cod, the catches of other market fish have been equal to the average of other years. With regard to blue-cod he says, "There is certainly a decreasing tendency, owing no doubt to small fish having been caught."

At Westport the Collector of Customs reports a marked increase in the quantity of fish caught during the year.

At Napier eleven trawlers have been employed during the year. During the winter months the supply of fish was so poor that a good many of the trawlers and small fishing-boats were laid up. The fish, however, commenced to show up in the early spring, and since then the fishing has shown a decided improvement on the previous year's catches. The Collector of Customs at Napier gives the quantity of fish brought in for the twelve months at 2,731,400 lb., valued at £25,536. The number of boats engaged in fishing he gives at sixty-five, employing a total of 152 hands on board.

In the Auckland District fish have been fairly plentiful during the year, and on the whole the market has been well supplied. Complaints have been made about the scarcity of schnapper on some of the grounds most easily reached, but all the boats that worked well out are reported as having made very large catches. Inspector Bennett reports mullet as being very scarce in the Hauraki Gulf. The Inspector for Kaipara reports them as being fairly plentiful, and the Inspector at Onehunga reports very large hauls as having been made. Flounders are reported as being fairly plentiful in the Manukau and Kaipara, and the supply from the Thames flounder-grounds has been well maintained during the year. Inspector Bennett reports a poor supply from other parts of the Hauraki Gulf, and recommends increasing the trawling-area so as to allow trawlers to work the off-shore flounder-grounds which exist in the Thames Gulf south of Cabbage Bay, and which cannot be worked by the small boats. I would recommend that this should be done, as the fish on these grounds can be taken only by trawling, and the supply is very much needed to supply market requirements throughout the country.

At Whangarei the Inspector reports fish as having been fairly plentiful during the year.

When I visited the Bay of Islands in December last fishermen stated that, with the exception of mullet, the catches during the winter and up to the time of my visit were equal to the average of other seasons. There is a steady and increasing demand for fresh and smoked fish inland, and the opening of the railway through from Opua to Whangarei has opened up an important market for fish from these fishing-grounds.

Chatham Islands.—The Inspector of Fisheries reports that during the year the fishing operations carried on at the Kaingaroa and Owenga fishing-stations have been fairly successful. From September to the end of November very little fishing could be done, owing to continued stormy weather. In December and January the weather conditions improved; fish were plentiful, but they would not take the bait, owing, it is supposed, to the abundance of natural feed at that season. Since the beginning of February fish have been very plentiful, and have taken the bait well, and large quantities of blue-cod and hapuka have been landed. The stranding of the s.s. "Himitangi" caused heavy loss to the owners and the fishing industry generally.

Rock-oyster Beds.—The beds in the Hauraki Gulf and at the Bay of Islands were picked last season, and yielded a total of 4,782 sacks, 2,431 being obtained from the Bay of Islands and 2,351 from the Hauraki Gulf beds. These beds are again being picked this season, and it is expected that they will yield a larger quantity than last season. The method of picking which the Department has given instructions is to be carried out is that only a certain percentage of the marketable oysters are to be taken off each year. This ensures a sufficient quantity of mature oysters to supply brood being left everywhere, and also allows a crop being taken off for market every year. The beds depleted by licensed pickers in the Hauraki Gulf are recovering steadily, and it is expected that in about two years all these parts will be ready to pick. There is a very large and increasing demand for oysters, and to meet this it is necessary that the Department should continue a vigorous policy with regard to the extension and protection of the beds in all

parts of the Auckland District. From Whangarei northward there are many large beds and inlets which were in time past well stocked with oysters, but which have been depleted by over-picking for market and by continual poaching. By replanting and strict protection all these areas can again be made productive, and I would recommend that this matter be fully gone into next summer. I would recommend that a detailed inspection of the mangrove-beds be made next summer from Manukau to Parenga, in order to find out what quantity of these oysters is available, with the object of having them picked the following season. If the people of this country will not buy them there is practically an unlimited market in Sydney for them at a very high price, and I see no reason why the Department should not derive a revenue from their sale, which would be a set-off to the expenditure in connection with the fisheries generally.

Foveaux Strait Dredge-oyster Beds.—These beds seem to be as prolific as ever they were, and the increasing quantity taken each year to meet market requirements is obtained without having any apparent effect on the supply. Last season the oysters were in rather poor condition from the opening until well on in the season. This year, however, they were in prime condition from the opening-day on the 1st March. Last year an alteration was made in the open season for these oysters. This was found to be advisable owing to the oysters not having recovered condition after spawning in February, and the loss which frequently occurred in shipping them long distances to market during the warm weather which is usually experienced through that month. The open season now commences on the 1st March and closes on the 31st October.

Mussels.—Some attention is now being given to bottling mussels for market in the Auckland District, and this is being carried on in a small way at Tapu and Coromandel. In America mussel-canning is a very important industry, but in many places the beds have been worked out, and the supply is not sufficient to supply market requirements. Inquiries have lately been received from Australia about the supply of mussels available in this country, with the object, I understand, of establishing canning-factories. In many places round the coast there are very large beds, and from the information to hand there would seem to be very good prospects of canneries being established in the near future.

Whaling.—The revival in the whaling industry which I anticipated a few years ago has now practically taken place. Messrs. Jagger and Cook, who have been following it up energetically for a good many years, have now extended their operations to the whaling-grounds south of New Zealand. It is understood that several whaling companies have been formed in Norway for the purpose of operating off the New Zealand coast and about the islands further south, and it is generally reported that at least one of these firms has its vessels on the way out, and expects to commence operations almost immediately.

Salmon.—The largest run of quinnat salmon which has yet taken place came up the Waitaki River last spawning season. They were found spawning in the main river itself, from a few miles up from the sea to where it branches off at the junction of the Ahuriri, Ohau, Pukaki, and Tekapo Rivers. Large numbers were seen spawning in these four large tributaries, and in the case of the Ohau and Pukaki they had run right through the lakes at the heads of these rivers and were found spawning in the rivers beyond. These fish spawn in much deeper and heavier water than trout, and are therefore very difficult to capture for spawning purposes, as only a very small percentage of the fish which come in from the sea run up the smaller streams, such as the Hakataramea and Gray's Hills Creek, to spawn. The number of eggs collected last season was 240,000. These were disposed of as follows: 25,000 were sent to Tasmania, 157,500 to the Hokitika River, 3,000 salmon-fry to the Seaforth-Mackenzie River, and the balance were retained at the Hakataramea Hatchery. This season the Manager reports a good run of salmon spawning in the Tekapo, and the collection of eggs for this season is now being proceeded with. During the year the following fish were liberated from the Hakataramea ponds: Quinnat salmon—137 three years old, 1,011 two years old, 8,317 one year old, and 12,426 four months old; also 181 three-year-old Rhine salmon, and 49 three-year-old Atlantic salmon. On the 31st March the stock of fish in the ponds consisted of 60 three-year-old quinnat salmon, 645 two-year-old quinnat salmon, 17,931 one-year-old quinnat salmon, 93 three-year-old Rhine salmon, and 87 three-year-old Atlantic salmon.

Atlantic Salmon.—No importation of eggs was made this year. In order, however, to give the acclimatization of these fish a reasonable chance of success it is necessary that another shipment should be brought out this season. Reports have come to hand about a large number of salmon-smolts having been seen in Te Anau Lake, but I do not place much reliance on these reports, for I consider it is too soon to expect to see any result from the work which has so far been done to stock the Waiau River with these fish.

Reference was made in my report last year regarding the establishment of fish-markets in the principal centres. Although markets have not yet been actually established, yet it is satisfactory to know that the authorities in three of the largest cities are moving in the matter, and it is to be hoped that before this year is out something practical will be done. New Zealand has extensive and prolific fishing-grounds round her coasts, yet the people of the Dominion have not anything like the plentiful and regular supply of fish which they should have. Larger vessels to work the fishing-grounds further afield, and more up-to-date methods of catching than is being employed on some of the fishing-grounds, suitable marketing facilities in the principal centres, and better facilities for transporting the catches by rail from the fishing ports and distributing the fish inland, are required to provide a larger and more regular supply of fish. There has undoubtedly been a great improvement in the class of vessels used by the smaller boatmen of late years, and it is to be hoped that soon still larger vessels will be used, and "long-line" fishing, "purse-seining," and trawling employed in many places where the older methods of fishing are still in use. The transport of fish to market and its distribution inland are principally dependent on our railways, so that the development of our fisheries is largely dependent on the facilities which are provided.

The fresh-water fisheries, in my estimation, are not utilized as a food-supply to anything like the extent which they might be. Even in a great sporting country like England, and in the countries of Europe, America, and Canada, trout are allowed to be marketed, and I am convinced that in this country, from certain waters, it can be allowed to be marketed under certain restrictive regulations without risk to the interests of sportsmen.

I have, &c.,

L. F. AYSON,

Chief Inspector of Fisheries.

The Secretary, Marine Department.

The CHAIRMAN, Portobello Marine Fish-hatchery Board, to the SECRETARY, Marine Department, Wellington.

DEAR SIR,—

Dunedin, 8th May, 1912.

The accompanying report by Mr. Anderton, Curator of the Portobello Marine Fish-hatchery, summarizes the work that has been done there during the past year. There are a few points which we desire to emphasize and draw special attention to.

In regard to the lobster experiments, we would point out that Mr. Anderton has not only succeeded in rearing lobsters in confinement for a length of time that has never been reached anywhere else—a result due to the minute and ceaseless care and attention which has characterized all his work—but he has also made very valuable additions to the knowledge of the life-history of the lobster, and has placed on a basis of fact statements which formerly were only surmised to be true.

Another point worth noting is that, from his observations on the cast shells both of adult and young lobsters, we believe that about an inch per annum represents the average rate of growth. It has hitherto been assumed that lobsters come to maturity in about five years; we are now led to the conclusion that probably they are from seven to nine years old before they are egg-bearing.

No young lobster of all those turned out in the past has yet been met with; but, considering that the young after reaching the fourth stage—when they cease to swim freely and sink to the bottom—at once get under cover and practically remain under shelter all their lives, only coming out to feed, we are not surprised that none have yet been taken here. We hope to make some traps similar to but much smaller than those used in Europe and America for catching them, and by sinking these in localities where fry have been liberated we hope to meet with some of the growing ones. Those first liberated ought to be now between 4 in. and 5 in. in length.

In regard to crabs (*Cancer pagurus*), as the larvae were all liberated in the free-swimming stage, the chances of their being very widely distributed are much greater than in the case of the lobsters. Many of the latter were liberated at the stage when they seek the bottom, and they probably sought shelter at once, besides which their free-swimming stage is normally a short one. But crabs take a much longer time to pass through their zoea stages, hence the English crabs are as likely to be found at Akaroa and in any of the sheltered bays along the coast—Blueskin, Waikouaiti, Moeraki, &c.—as in Otago Harbour. We hope during the coming season to make special hauls with seine nets on the banks of the harbour, and will carefully examine the weed and dragged material for young imported crabs.

As the station is now thoroughly equipped for the experiment, we think the time has come when the Government should send Mr. Anderton Home to try and obtain a shipment of herring-ova. He should renew the stock of lobsters, and especially crabs, and perhaps attempt to bring out a small number of live haddock. We suggest Mr. Anderton because he has studied the question very thoroughly, and is expert in dealing with marine-fish ova. He is also a competent and ingenious mechanic, and will make a success of the experiment as far as it lies in his power to do so. If it is decided to send him Home, he ought to leave New Zealand in August if possible, in order to give him time to look around him before making final arrangements. The boxes required should be made here.

I have, &c.,

GEO. M. THOMSON,

Chairman, Marine Fish-hatchery Board.

The Secretary, Marine Department.

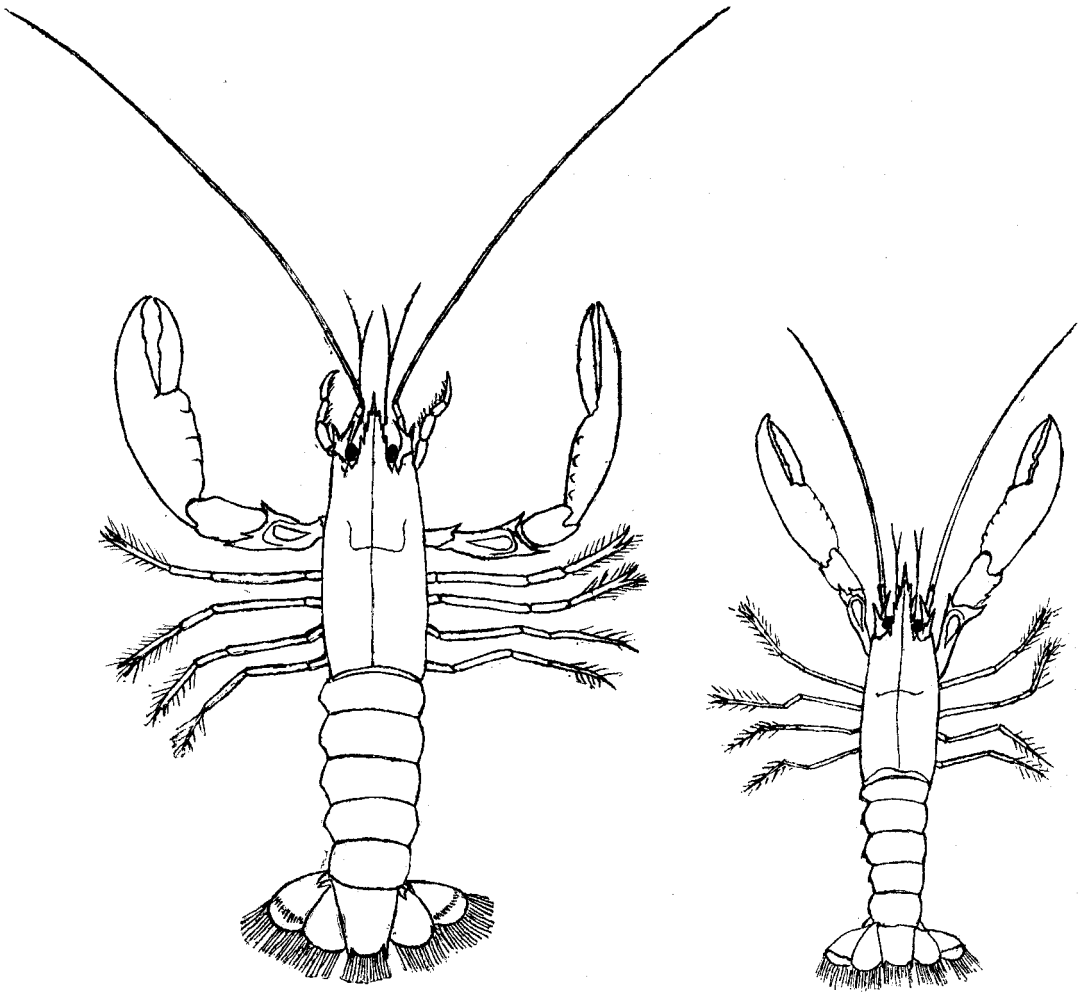
Marine Fish-hatchery and Biological Station,
Portobello, 4th May, 1912.

GENTLEMEN,—

I have the honour to present the following (the sixth) annual report of operations at the Marine Fish-hatchery from the publication of the last report (13th May, 1911) to the present date. Reports of previous years' operations will be found in the "Transactions of the New Zealand Institute," Vols. 38 and 39, and in the New Zealand Marine Department's Reports for 1908-9, 1909-10, and 1910-11.

Lobsters.—At the date of the last report the stock of lobsters in the ponds consisted of twenty females and fifteen males. Several deaths have taken place during the year, and the stock now stands at fifteen females and twelve males. All that have died have been more or less injured by their fellows. Many had lost both their large claws, and all had lost a larger or smaller number of their walking-limbs. Knowing their extremely pugnacious nature, a considerable amount of mortality is to be expected through these injuries. The present proportion of the sexes should be quite satisfactory. The females were not examined until the 20th November, 1911. Of the fifteen females, eleven were found to be carrying eggs in greater or lesser quantities. Eight of them had retained practically full batches; the other three varied from about half a batch to a few dozen; and it is quite probable that the other four had spawned in the spring, but had already either hatched or lost their brood. The females were on this date placed in the newly constructed small ponds for convenience of capture, and none were removed to the indoor tanks

until numbers of larvæ were seen swimming on the surface of the pond on the 7th December. From this date onwards the females carrying eggs just ready to hatch were in turn taken to the indoor tanks until their broods had hatched. The last larvæ hatched on the 19th January, 1912, and all the females were returned to the largest pond along with the males. It will be seen from this that as far as we have been able to ascertain the period of hatching this season was from the 7th December, 1911, to the 19th January, 1912, as against the 20th November to the 27th December the previous season. In earlier experiments we have proved, to our cost, that frequent handling and long confinement in the small tanks whilst egg-bearing is most injurious, and the newly divided small ponds have considerably facilitated the work at hatching-time. The egg-bearing females can now be placed in the small ponds early in November, at which time the condition of each individual's brood is noted, and by keeping a record of each, which can usually be done by some peculiarity in size, colour, loss of limbs, &c., it is not again necessary to handle them all in order to ascertain just when to remove each one into the glass tanks. At the same time it is quite certain, from the numbers that are daily at this season seen swimming about the pond, and from the diminished size of the egg-bunches, that large numbers are hatched in the pond of which we have no tally. These escape sooner or later through the valves, and are doubtless scattered in all directions by the currents. Only about ten thousand were known to



have hatched from six that were brought into the tanks, and a large number of these were hatched by means of the McDonald jars after they had been nipped off by the female. Almost all of these were reared in the hatching-boxes until they had reached the second and third stages, when they were planted in what were considered to be suitable localities about the harbour. A large proportion was again liberated amongst the kelp on the north side of Quarry Point. None were kept beyond the third stage this season. The larvæ were fed in the boxes entirely on the contents of the tow nettings, and did not appear to settle towards the bottom so much as in previous seasons, when they were fed on minced cockle, &c. By the time the third stage was reached, however, their cannibalistic habits had developed to such an extent that it was considered advisable to put them all out. We are now experimenting with a revolving apparatus worked by a waterwheel, with the overflow water for the hatching-boxes, and expect to be able to rear the majority to the fourth or bottom stage before liberating them next season.

One lobsterling has survived from a number that were retained in the tanks in December, 1909, and one from a number retained in December, 1910. Their ages are now therefore 2 years 4 months and 1 year 4 months respectively. The shells cast by them during this time have been preserved and labelled, and, of course, represent size for age of young lobsters reared in confinement only. I enclose two sketches made from measurements of their last casts, at which time their ages were 2 years 2 months and 1 year 2 months respectively.

A vast amount of time is being devoted to the study of the lobster, both from a scientific and practical standpoint, in America, Great Britain, and Europe, where the lobster is indigenous. The necessity for this has arisen owing to a diminishing supply, and attempts are being made in several countries to increase the supply by artificial propagation. We are in receipt of a report of some 300 pages on "The Natural History of the American Lobster," by Professor H. Herrick, Ph.D., Sc.D., in which he refers at considerable length to some of the observations made in our report of 1908-9. Professor Herrick, and, in fact, most of the workers in Europe, appear to be quite certain that the American and English lobster spawns only once in two years. Professor Herrick also says in his report, "It is interesting to notice that, while the seasons are reversed in the Southern Hemisphere, the local range of temperature in New Zealand is similar to that at bottom of Vineyard Sound, Massachusetts." The temperature of the water, owing to the effects of the Gulf Stream, around the English coast does not go so low as that of our ponds during the winter, and with the above facts before us it is particularly gratifying to find that in almost all cases spawning has taken place annually, eleven out of fifteen in 1911, nineteen out of twenty-one in 1910, and twenty-three out of twenty-three in 1909 having produced eggs. Many of the females are now seen in the characteristic attitude of the berried hen, and, although we do not usually handle them at this season, one was lifted out on the occasion of Mr. Allport's visit on the 24th April, and found to have a full, healthy bunch of eggs.

Crabs.—The stock of English crabs remains the same—only two—both of which are females. One of these spawned in the spring, and the larvæ were hatched between the 14th and 19th December, 1911. The brood was a small one—about one-third the usual size—and the number of larvæ would probably not exceed one million. It was not expected that either would spawn this season, as no cast had been detected, and the last male had died on the 2nd January, 1911.

Local Fishes.—The thanks of the Board are again due to Mr. F. J. Sullivan and to the crew of the s.s. "Express" for their kind assistance in granting every facility for collecting the eggs of the flat fishes during the spawning season, and for the opportunity to examine the stomach-contents, ovaries, &c., of all fishes taken by the trawlers throughout the year. The first sole-eggs were collected on the 1st July, 1911, and between this date and the 30th August 4,067,000 eggs of the sole, brill, and turbot were collected. The spawning season of the flat fishes appears to be well defined, the dates between which collections were made during 1910 being the 21st July to the 21st August. Ripe eggs of the turbot (*Ammotretis nudipinnis*), witch (*Caulopsetta scapha*), and kelp-fish (*Cordilodax pullus*) have been secured for the first time, and drawings have been made of the eggs and larvæ during their early development. A stock of fifty-five of the latter, the kelp-fish, has been placed in the wharf-pond for breeding purposes. Considerable progress has been made with the preparation of a volume in which all previous station records are being placed in tabulated form. Tables have also been drawn out showing the number of larvæ of all descriptions which have been liberated each year. Other tables give particulars of the nature and size of the eggs, spawning season, locality, &c., of all fishes and crustacea whose early life-history we have been able to study. The best available plate of each fish has been pasted in the volume, and, where our knowledge permits, drawings of the eggs and larvæ have been added. One or more tabulated pages have been allowed for monthly notes on stomach-contents, ovaries, locality where taken, &c., of each species. The volume greatly facilitates the recording of present and future observations, and presents all past notes in a readily available form. The library has been more than doubled by the temporary addition of a large portion of Mr. G. M. Thomson's private collection of zoological works. Annual reports of the Scotch Fishery Board, the Marine Biological Station at Fort Erin, and a large number of pamphlets have come to hand during the year.

General.—Two rooms, a scullery, wash-house, and cellar have been added to the assistant's cottage. The ground has been laid out in paths and lawn, and a substantial breakwind built on the south-west side. The subdivision of the No. 1 pond was completed by the end of June, all the metal and sand for which was conveyed by the station launch. By this means and by employing no outside labour for the cottage alterations and very little for the ponds, a great saving was effected. The rear of the new walls has been soiled and planted in grass and small shrubs. Accommodation is now provided for a more varied and extensive stock of local or introduced fishes. The old wooden tanks have been removed and replaced by three concrete and angle-iron ones, with glass on four sides. They are similar in construction to the other three, and are eminently suitable for the tiny larvæ with which we have to deal. The new 4-horse-power Standard engine in the launch has now been in use for fifteen months, and has given no trouble whatever; in fact, we have not yet found it necessary to use a spanner on it. The launch and boat have been regularly scrubbed and painted, and are in first-class order.

The report of the experiment carried out in the spring of 1911 by Dr. Williamson in regard to the retardation of the development of herring-ova has just come to hand, and, in view of the possibility of an attempt being made this season to transport the eggs to this country, I would like to give a brief outline of the results of this experiment. Dr. Williamson does not state the exact number of eggs with which he commenced his experiments, but as two of the plates contained respectively 2,600 and 2,800, and each box contained four glass plates, we must presume that each box contained about 10,000 eggs. Dr. Williamson gives a plan of an apparatus suitable for the transport of the ova to New Zealand, and this plan shows six boxes; but as in his report he refers to the "box" containing the ova, I think we may safely consider that he started his experiment with about 10,000 eggs on the glass plates. The temperature of the water was gradually reduced from 43° Fahr. until by the twelfth day it was down to 36° Fahr., from which time until the 52nd day it remained fairly uniform between 34·5° and 36° Fahr. The total number of larvæ hatched was 1,499, between the 39th and 51st days. By far the greater number of these were hatched previous to the 48th day, which is, I think, the minimum time necessary for our purpose. Only sixty-seven larvæ were hatched after the 48th day, and only

ten were hatched after the 50th day. Dr. Williamson says, "The cooling was doubtless not sufficiently low. I think a slightly lower temperature—34° to 35° Fahr.—would not injure the ova, and would probably be sufficient to retard the ova for the requisite period." The ova were attended to practically every hour of the night and day.

The difficulties to be contended with on board ship would be considerably increased, and it would be necessary to have the cooling and filtering apparatus fitted up in as perfect a manner as possible. Mr. Adams has constructed a small water-wheel and model box to hold the revolving plates, and I think it would be advisable to have a full set of the necessary apparatus made at this end. A very great advantage would be gained by making the collection of ova at Plymouth, where Dr. Allen states they could be secured in December or January. Dr. Williamson has kindly consented to assist in the experiment at whatever port the trial is to be made.

I wish also to point out the desirability of replenishing the stock of lobsters and crabs, and would suggest that if a trial shipment of herring-ova is to be made this year, every other inch of available space in the chamber provided should be fitted up for this purpose. The overflow water of the herring-boxes cooled to about 34° would go a long way towards maintaining a sufficiently low temperature (about 60°) for the lobsters and crabs.

I have, &c.,
F. ANDERTON.

The Marine Fish-hatchery Board.

The MARINE ENGINEER to the SECRETARY, Marine Department.

SIR,—

15th June, 1912.

I have the honour to report as follows on the various works dealt with during the year ended 31st March, 1912:—

Tuahine Lighthouse.—The construction on the foreshore of a concrete pedestal to carry this light, which had to be removed from the position on the hill through a slip, has been completed, and the permanent light apparatus has been erected on its summit, and is now in use. The construction of the pedestal was carried out by contract, the light apparatus was erected by the Department's artificer, and on its completion the whole was handed over to the Gisborne Harbour Board, which body attends to the maintenance of the light.

Hokianga.—The erection of the new residence for the boatman has been completed.

Kohokohu breastwork: The construction of a timber breastwork to the east of the wharf, in order to provide a repository for ships' ballast and sawdust from the sawmill, has been put in hand. The reclamation thus protected will provide some useful land in addition to the very limited existing flat ground which is suitable for township purposes.

Kaipara.—Shelly Beach beacon: The erection of the concrete pedestal which is to carry an automatic light has been nearly completed. The apparatus for the light is at Kaipara awaiting the erection. This work has been very much delayed through the constant westerly winds which have prevailed during the past season, the work having to be entirely abandoned on this account for some time in the spring.

Removal of rocks in Kaipara River: The deepening of the channel over the rocky bar a short distance below Mount Rex Wharf, supplementary to some work which was carried out a short time ago, has been put in hand. When this work is completed, any boat which can proceed up to Helensville will be able to navigate the channel at all states of the tide. The present position with regard to this bar is that there is a channel near the centre of the river but a little to the south, and there is also a channel close along the north bank. A small extent of rock remains between, which the money available would not permit of removal.

North Cape Lighthouse.—Apparatus for the new lighthouse to be erected at the North Cape has been ordered.

Cape Brett.—The determination of the correct latitude of Cape Brett Lighthouse is under investigation by the Survey Department, but considerable difficulties have arisen through the somewhat incomplete character of the existing geodesical work. It is anticipated that the work will be completed shortly.

Chicken Island Lighthouse.—The work in connection with the erection of an automatic light on the outer Chicken Island is in the following position: The apparatus has arrived; the small pedestal or tower to carry the apparatus has been designed, and tenders for its construction are now being dealt with; the site has been prepared to receive the pedestal; the tracks necessary to give access to the light from the foreshore are nearly completed.

Mokohinau Lighthouse.—A report was prepared of the work required to improve the drainage in connection with the keeper's dwelling.

Manukau Leading-lights.—A £50 grant for improving the road to Huia, which will ultimately give access to the lights, has been expended.

Cabbage Bay Wharf.—Plans for this structure were prepared, and the erection was carried out by the County Council. The work is now complete.

Mercury Bay.—The Waiawa River Wharf and snagging were examined and reported on.

Auckland Beaches.—The various beaches in the vicinity of Auckland and Coromandel Peninsula were examined, and reported on with regard to the issue of permits for the removal of gravel for building and other purposes in and around Auckland.

Auckland—Kaipara Canal.—A short report was prepared on the proposal to construct a canal connecting Auckland and Kaipara Harbours.

Auckland Naval Base.—The existing store and yard accommodation are being examined in conjunction with the Defence Department with a view to reporting upon their suitability in connection with the requirements of His Majesty's Navy when Auckland becomes its base.

Bean Rock Lighthouse.—An automatic apparatus to replace the present one has been procured.

Matakana.—The river at this place has been examined and a report prepared on the question of deepening the navigable channel up to the wharf.

Turanga Creek Wharf.—Plans have been prepared with a view to inviting tenders for the erection of this structure.

Mayor Island.—The title to the ownership of the island has been inspected and reported on. Instructions have been issued to have inspection made of the shingle beaches on the island in connection with the question of allowing the removal of gravel, but up to the present an opportunity has not occurred to have the inspection made.

Whakatane Harbour.—Inspection of this harbour was made by myself. A survey has been made, and a report on the works necessary to improve the entrance is in course of preparation.

Opotiki Harbour.—This harbour has been similarly inspected, a small amount of survey made, and a report is in course of preparation.

Marakopa River.—Plans were prepared for a wharf on what is known as the up-stream site. These are now being modified to suit the down-stream site, and will shortly be completed, when instructions will be required as to putting the work of erection in hand.

Onetehia River, Waikato.—A report has been prepared upon the removal of obstructions to navigation in this river.

Waikato River.—A private ferry over this river, at Rangiriri, recently installed, has been inspected and reported as satisfactory.

Awakino River.—A report has been prepared upon the work necessary to deepen the channel through a small papa-rock reef near the entrance.

Gisborne Harbour.—A report was prepared upon the works necessary to prevent wave-action between the moles at the entrance to the river, and plans and specifications were prepared for the Harbour Board for the purpose of having the work recommended carried out, which took the form of an extension of the eastern breakwater. The Board has since let the contract for the work.

A further report upon the whole question of harbour accommodation at Gisborne was prepared, as it was found that both questions were so intimately connected that the former could not be dealt with effectively without taking the latter into consideration.

Wanganui Harbour.—At the instance of the Harbour Board, and in connection with the proposal to obtain a Bill authorizing the raising of moneys for the carrying-out of extensive harbour-works, a report was prepared. This report required close investigation, and occupied a considerable time in its preparation.

Castle Point Lighthouse.—The works in connection with the establishment of a new lighthouse at Castle Point are in the following position: A survey has been made of the land required, and steps are now being taken to obtain a title by proclamation; negotiations in connection with the compensation to be paid are being undertaken by the Public Works Department and Land Purchase Officer; the whole of the materials required for the dwellings, signal-station, and outbuildings have been procured, and nearly all have been conveyed to Castle Point; the erection of the dwellings is now about three-quarters completed; the apparatus, &c., is on hand in readiness to forward to its destination; a contract has been let to Messrs. Luke and Co. for the manufacture of the cast-iron tower, but unfortunately they are very much behind with the work. It is not likely that it will be completed by the time the contract expires. This is likely to cause considerable delay.

Foxton.—Proposals for harbour-works at this place were examined and reported on. A drawing of a small hand-scoop dredge was prepared and supplied to the Harbour Board for the purpose of maintaining the depth in the river along the face of the wharf.

Cape Palliser Lighthouse.—A report was prepared on the advisability of constructing approach steps to the tower to enable the keepers to avoid passing over the ground rendered dangerous by stones falling from the cliffs above.

Wellington.—The Yacht Club shed at Thorndon was examined and valued with a view to its purchase by the Department for use in connection with the training-ship "Amokura."

Marine yard: The new site for the Marine yard has been fenced, and a temporary coal-shed has been erected to hold about 150 tons of coal as a reserve for the use of G.s. "Hinemoa."

Meteorological Observatory: Plans of the building required in connection with this observatory have been prepared.

Queen Charlotte Sound.—The question of constructing a tunnel at the head of the Onahau Inlet as a means of communication with the Pelorus Sound by motor-boat and other small craft has been shortly reported on, and tidal observations have been made with a view to preparing plans for having the construction of the tunnel carried out.

Nelson Lighthouse.—The assistant keeper's house requiring repairs, instructions have been issued to the Resident Engineer, Nelson, to examine and report on same, with estimate of cost of carrying them out.

Nelson Harbour Works.—Some inconvenience being experienced through the formation of a bar at each end of the new entrance-channel, a report was prepared at the instance of the Harbour Board advising that dredging be carried out in order to maintain the depth of water required.

Pakawau.—Some difficulties having arisen between the coal-mine proprietors and landowners in connection with the construction of a tramway required to convey coal to a place of shipment, the Superintending Engineer, Mr. C. R. Vickerman, proceeded to Pakawau, examined the place, made full inquiries into the position, and reported fully upon the same.

Little Wanganui Wharf.—Plans for a small extension of this wharf have been prepared.

Karamea.—Training-wall: The second contract for the erection of an extension of this wall has been completed. A third contract has been let for a further extension, and the work is now in hand. It is anticipated that when the third extension is completed the river will be maintained

in a direct course to the sea. It would, however, be more satisfactory if a further extension of a few hundred feet could be made.

Irvine and Stevenson's whitebait factory: The question as to whether this factory had been erected upon Marine Department's land was inquired into and reported upon.

Godley Head Lighthouse.—Some repairs have been carried out to the track leading to the fog-signal, and some repairs have also been carried out to the signal apparatus.

Akaroa.—Some inaccuracies in the coast-line of Banks Peninsula as delineated on the Admiralty Chart have been investigated, and details supplied enabling the matter to be rectified.

Moeraki.—The beaches along this part of the coast have been examined, and a report prepared as to the advisability of allowing the removal of shingle.

Taiaroa Head Lighthouse.—Some repairs have been effected to the assistant keeper's house.

Brighton.—The boat-harbour at this place has been inspected, and a report prepared in connection with certain improvements being carried out under Government subsidy by a private individual.

Waihole Lake.—The silting-up of the channel connecting the lake with the Taieri River causing considerable inconvenience in connection with navigation, a report has been prepared and recommendations made of the best method of maintaining the required depth.

Nuggets Boat-landing.—Through the small groyne built by the Department for the purpose of causing sand to collect at the landing, and also through the handling of the fishing-boats having been so much facilitated by the oil-engine winch provided by the Department, the fishing-boats have increased both in number and size; consequently the small winch provided is not now sufficiently powerful. The Government has therefore consented to provide a larger one, which work is now in hand.

Westport.—This harbour has been inspected, and a report on same is in course of preparation.

Greymouth.—A personal inspection was made by the Secretary and Engineer of the Marine Department, and a report prepared advising the Minister to permit the Harbour Board to extend the river wharf down-stream right to the entrance of the lagoon.

Okarito.—A small work affording protection to the wharf where damage was occurring through scour by the river has been completed.

Buoys.—A contract was let to Messrs. Niven and Co., of Napier, for the manufacture of a pillar buoy to mark the position of the Barclay Rock. The buoy is now completed, and awaiting shipment by the "Hinemoa." A contract has been let to Messrs. Stevenson and Cook, of Port Chalmers, for the manufacture of four mark-buoys, which work is still in hand.

Plans of the following works have been examined and dealt with as indicated:—

Wharves.—Northern Wairoa: Kirikopuni—approved; Dargaville—extension approved; Te Kopuru—Messrs. Rope Bros.' wharf approved; Tangaihi—plans approved; Oruawharu River—plans of wharf for Mr. G. J. Smith approved. Leigh: Approved. Auckland: Graham's Beach—extension approved; Chelsea—extension approved. Coromandel: Tukituki Bay—Messrs. Rich and Jeffries' wharf approved. Collingwood: Repairs to Messrs. Burford's wharf approved. Elmslie's Bay: Extension approved. Golden Bay: The Cement Company's wharf was shown on the chart for the information of the Admiralty. Greymouth: Extension of wharf down-stream approved. Okain's Bay: Amendments in design of wharf approved.

Reclamations.—Kohukohu: Approved. Auckland: George's Bay—approved. Onehunga: Captain Spring's road approved. Wellington: Dock-site protection wall approved. Dunedin: Plan and schedule for authorizing Act approved; protection wall approved. Kaitangata Lake: Approved. Invercargill: Amended plans and schedule for authorizing Act were prepared.

Boatsheds and Skids.—Rawene: R. Symons—approved. Wellington: Messrs. Croucher and Mitchell's and Mr. P. Elliott's—approved.

Foreshore Leases.—Rawene: R. Symons—increase in area approved. Kohukohu: Messrs. Andrews and Sons' reported on; Messrs. Halliwell Bros.' approved; Mr. E. Fell's approved. Whangarei: Between Limestone Island and Mangapai was not approved. Coromandel: Tukituki Bay—Messrs. Rich and Jeffries' approved.

Bridges.—Gisborne: Sewer-bridge over Waimata River approved. Wanganui: Dublin Street—Vesting Bill examined and reported on. Collingwood: Coal Creek Bridge approved. Kaiapoi: Temporary bridge approved. Greymouth: Proposal to make bridge over Grey River at Tainui Street reported on.

Harbour-works.—Waipu: Extension of training-walls approved. Kapiti: boat-harbour approved. Motueka: New harbour scheme approved. Kaiapoi: Extension of training-wall approved. Hokitika: Amended plans of moles approved.

Miscellaneous.—Hokianga: Band-stand enlargement approved. Auckland: Sewer outfall—temporary construction-works approved; repair slips in Freeman's Bay approved. Mercury Bay: Whenuakite River timber-booms approved. Umangawha River: Timber-booms approved. Manukau: Westfield Company's sewer outfall approved. West Haven: New survey reported on, with estimate of cost. Karamea: Barrage of lagoon-channel approved. River Avon: Bank-protection at Bromley approved. Dunedin: Groynes at Ocean Beach reported on.

I have, &c.,

R. W. HOLMES,
Marine Engineer.

RETURN showing the TOTAL ORDINARY EXPENDITURE of the MARINE DEPARTMENT during the
FINANCIAL YEAR ended the 31st March, 1912.

Nature of Expenditure.	Details.	Totals.	Grand Totals.
	£ s. d.	£ s. d.	£ s. d.
Head Office salaries .. .. .	..	..	2,559 6 5
Harbours :—			
Manukau,—			
Salaries	530 0 0		
House allowance of Harbourmaster	24 0 0		
Stores and contingencies	136 12 1		
Hokianga,—		690 12 1	
Salaries	468 0 0		
Removal of logs	389 15 0		
Dinghy	15 0 0		
Stores and contingencies	101 19 3		
Kaipara,—		974 14 3	
Salaries	689 0 0		
House allowance	26 0 0		
Stores and contingencies	171 17 5		
Hauraki Gulf,—		886 17 5	
Inspection of beaches .. .. .	..	20 1 0	
Tauranga,—			
Salary	18 15 0		
Launch-hire	2 0 0		
Tongaporutu,—		20 15 0	
Salary	25 0 0		
Stores and contingencies	17 17 6		
Opunake,—		42 17 6	
Salary .. .. .	..	25 0 0	
Whangaparapara,—			
Salary	25 0 0		
Stores	5 4 5		
Mokau,—		30 4 5	
Salary .. .. .	..	40 0 0	
Awakino,—			
Salary	20 0 0		
Stores	0 9 0		
Marakopa,—		20 9 0	
Salaries	5 16 8		
Stores	1 11 0		
Picton,—		7 7 8	
Salary	235 0 0		
House allowance	25 0 0		
Stores, &c.	22 1 0		
Nelson,—		282 1 0	
Salaries of signalmen .. .. .	..	20 0 0	
Waitapu,—			
Salary	25 0 0		
Stores, &c.	4 4 11		
Puponga,—		29 4 11	
Stores and oil .. .. .	..	6 5 0	
Collingwood,—			
Salary	50 0 0		
Snagging	20 11 0		
Stores, &c.	15 15 4		
Karamea,—		86 6 4	
Salary	110 0 0		
Shifting beacons	77 18 8		
Snagging	31 12 3		
New boat	16 10 0		
Stores, &c.	21 15 11		
Greymouth,—		257 16 10	
Salary of Harbour Engineer* .. .. .	..	382 4 5	
Okarito,—			
Salary	110 0 0		
Erection of training-wall	137 17 9		
Stores, &c.	32 19 3		
Okuru,—		230 17 0	
Salary .. .. .	..	37 10 0	
Little Wanganui,—			
Piloting	13 5 0		
Stores, &c.	4 12 1		
Waikawa,—		17 17 1	
Salary .. .. .	..	5 0 0	
Salary of storeman and carpenter	208 13 4		
Buoy-chain	175 17 8		
Advertising position as Greymouth Harbour Engineer	13 5 9		
Coastal buoys and beacons	37 10 0		
General buoys and repairs	43 6 5		
Stores and contingencies	67 13 11		
		546 7 1	
			4,710 8 0

* Refunded by Greymouth Harbour Board.

RETURN showing the TOTAL ORDINARY EXPENDITURE of the MARINE DEPARTMENT—*continued*.

Nature of Expenditure.	Details.	Totals.	Grand Totals.
	£ s. d.	£ s. d.	£ s. d.
Lighthouses :—			
Salaries of keepers	10,684 17 10		
Oil*	975 5 2		
Stores and contingencies	4,572 4 9		
Lighthouse Expert	250 0 0		
Lightkeepers' travelling-expenses	164 0 11		
			16,646 8 8
Meteorological Office :—			
Salaries of staff and observers	1,139 0 0		
Postage and telegrams	870 15 0		
Instruments and repairs	157 12 7		
Rent	140 0 0		
Office equipment	40 2 5		
Cleaning office	20 13 4		
Telephones	16 7 6		
Stores and contingencies	18 5 9		
			2,402 16 7
Mercantile marine offices :—			
Salaries	3,786 1 1		
Rent	91 13 4		
Telephones	64 6 8		
Cleaning offices	46 0 10		
Advertising for Surveyor	6 18 0		
Travelling-expenses	46 10 6		
Contingencies	24 10 1		
			4,066 0 6
Protection of fish and oysters :—			
Salaries of Inspectors	924 10 10		
Picking and sale of oysters	2,306 7 2		
Planting oysters in Hauraki Gulf	110 4 2		
Casual labour	113 18 0		
Collection, &c., brown-trout ova	246 18 0		
Grant for maintenance, Portobello Fish-hatchery,—			
Salaries	330 0 0		
Repairs	3 17 4		
Printing scientific report on trawling	195 5 6		
Experiments with herring-ova	36 13 10		
Importation of Atlantic-salmon ova	446 3 0		
Stocking a Westland river with salmon	188 13 10		
Travelling-expenses	301 19 7		
Contingencies	9 8 4		
		5,213 19 7	
Hakataramea Salmon Station,—			
Salaries	356 0 0		
Working-expenses	65 13 6		
		421 13 6	
			5,635 13 1
Less recoveries .. .. .	..	..	36,020 13 3
			1,060 7 5
Total .. .. .	..	..	34,960 5 10
Government steamers :—			
Working-expenses, s.s. "Hinemoa"	8,625 4 4		
Engine-room repairs, s.s. "Hinemoa"	307 3 6		
Working-expenses, s.s. "Tutanekai"	3,157 8 0		
New circulating-pumps, s.s. "Tutanekai"	85 14 5		
Repairs to deck, &c., s.s. "Tutanekai"	435 8 10		
Working-expenses, training-ship "Amokura"	6,725 3 0		
Repairs to training-ship "Amokura"	351 7 6		
Store and slip for training-ship "Amokura"	300 0 0		
		19,987 9 7	
Less cable services, freights, passages, &c. .. .. .	..	2,547 2 4	
			17,440 7 3
Marine miscellaneous services :—			
Departmental travelling-expenses	41 4 4		
Administration of Shipping and Seamen Act, and inquiries into shipping casualties	234 11 8		
Buoys and beacons,—			
Jackson's Head	45 5 2		
Kaipara Harbour	203 5 10		
Cartage and freight	58 18 10		
Charts, books, &c.	373 4 9		
Checking overcrowding of steamers	324 2 3		
Contribution towards New Zealand Sailors' Room, England	10 10 0		
Extra clerical assistance	78 10 0		
Fog-signals—cartridges, &c.	22 6 10		
Compassionate allowance to Mrs. C. T. McGahey	100 0 0		
Grant for improvement to Foxton Harbour	62 10 0		
Grant for repairing Waipipi Wharf	51 16 9		
Grant for renewing Turanga Creek Wharf	3 1 0		

* Value of oil purchased. For value of oil consumed see Maintenance Return, next page.

RETURN showing the TOTAL ORDINARY EXPENDITURE of the MARINE DEPARTMENT—*continued.*

Nature of Expenditure.	Details.	Totals.	Grand Totals.
	£ s. d.	£ s. d.	£ s. d.
Grant towards cost of taking soundings off New Zealand coast by "Terra Nova"	1,200 0 0		
Hospital expenses sick seaman, F. Taylor	1 15 0		
Legal expenses	73 12 0		
Lithographing forms	28 0 6		
Maintenance Anglem Point light	31 0 8		
Morse signals at lighthouses	14 0 7		
New Zealand Nautical Almanac	353 9 8		
Office equipment	40 14 2		
Postage and telegrams, &c.	472 18 8		
Prosecutions under Marine Acts	36 19 8		
Railway fares, Royal Naval Reserve	5 7 8		
Relief of distressed seamen	32 6 10		
Relief of distressed New Zealand seamen and others in United Kingdom	213 6 4		
Rents and expenses <i>re</i> examinations	2 0 0		
Matakohe Wharf repairs	92 0 8		
Reconstruction of Waipipi Wharf	100 0 0		
Survey of unseaworthy ships	11 4 0		
Telephones	72 4 8		
Wages of G. McNabb, deceased, due to his father	1 3 0		
Contingencies	5 10 0		
		4,447 1 6	
		542 4 2	
Less recoveries			3,904 17 4
Grand total			£56,305 10 5

RETURN showing TOTAL COST of MAINTENANCE of the NEW ZEALAND COASTAL LIGHTHOUSES during the Financial Year ended 31st March, 1912.

Name of Lighthouse.	Salaries.	Oil consumed.		Stores and Contingencies.	Totals.
		Gallons.	Value.		
	£ s. d.		£ s. d.	£ s. d.	£ s. d.
Cape Maria van Diemen	394 7 3	*664	28 0 3	157 9 2	379 16 8
Cape Brett	403 16 2	*622	26 4 10	108 1 7	538 2 7
Mokohinou	322 4 5	*848	61 16 8	221 3 2	605 4 3
Tiritiri	310 0 0	+530	38 12 11	(a)251 13 8	600 6 7
Bean Rock	132 10 0	*96	4 1 0	86 3 10	222 14 10
Ponui Passage	130 0 0	+83	6 1 0	27 14 7	163 15 7
Cuvier Island	387 10 0	*752	31 14 6	(b)145 15 4	564 19 10
East Cape	362 11 7	+872	63 11 8	126 5 8	552 8 11
Portland Island	368 7 9	+774	56 8 9	117 3 11	542 0 5
Napier Bluff	20 0 0	Gas	14 1 0	(c) 23 6 4	57 7 4
Cape Palliser	290 0 0	†(d)666	47 7 3	(d)198 17 8	536 4 11
Pencarrow Head	270 16 8	*597	25 3 9	76 18 4	372 18 9
Somes Island	280 0 0	+633	46 3 1	81 11 4	407 14 5
Cape Egmont	270 0 0	+524	38 4 2	78 16 8	387 0 10
Manukau South Head	291 13 4	+584	42 11 8	61 0 3	395 5 3
Manukau South Head leading-lights	.. ..	+164	11 19 2	5 9 4	17 8 6
Manukau North Head leading-lights	120 18 4	+259	18 17 8	46 13 3	186 9 3
Kaipara Head	234 18 4	+568	41 8 4	188 0 7	464 7 3
Brothers	443 6 9	*751	31 13 8	172 17 11	647 18 4
Tory Channel leading-lights	100 0 0	+183	13 6 10	6 2 0	119 8 10
Cape Campbell	261 13 4	†(2)740	45 5 10	120 0 10	427 0 0
Godley Head	290 0 0	+586	42 14 7	104 13 7	437 8 2
Akaroa Head	296 13 4	+606	44 3 9	(c)124 9 2	465 6 3
Jack's Point	138 11 9	*339	14 6 0	98 11 5	251 9 2
Moeraki	278 6 8	+589	42 19 0	57 18 7	379 4 3
Taiaroa Head	278 6 8	+615	44 16 10	106 16 5	429 19 11
Cape Saunders	237 10 4	†(e)578	38 19 7	(f)177 9 0	453 18 11
Nugget Point	419 3 4	*732	30 17 7	(g)137 3 6	587 4 5
Waipapapa Point	261 7 5	†(4)716	43 2 3	(h)310 18 11	615 8 7
Dog Island	388 13 1	+789	57 10 8	97 15 8	543 19 5
Centre Island	391 17 8	*656	27 13 6	149 6 3	568 17 5
Puysegur Point	382 3 7	*665	28 1 0	127 15 1	537 19 8
Cape Foulwind	276 5 7	+595	43 7 8	116 7 2	436 0 5
Hokitika	20 0 0	Gas	13 9 0	3 1 0	36 10 0
Kahurangi Point	367 6 9	†1,012	73 15 10	(i)222 17 4	663 19 11
Farewell Spit	428 12 5	+645	47 0 7	(j)169 13 2	645 6 2
Nelson	300 0 0	+257	18 14 9	59 6 3	378 1 0
French Pass	180 0 0	+201	14 13 2	18 8 1	213 1 3
Stephens Island	355 5 4	*695	29 6 5	(k)188 8 9	573 0 6
Totals	10,684 17 10	21,186	1,348 6 2	4,572 4 9	16,605 8 9

* Kerosene. † Paraffin.

(1) 39 gallons are kerosene. (2) 232 gallons are kerosene. (3) 103 gallons are kerosene. (4) 296 gallons are kerosene.
 (a) Includes £173 10s. 10d. for outbuildings. (b) Includes £30 7s. 3d. for repairs to dwellings. (c) Includes £20 10s. 6d. for repairs to lighthouse.
 (d) Includes £89 16s. 2d. for erecting steps. (e) Includes £46 0s. 11d. for erecting wash-houses.
 (f) Includes £84 14s. 1d. for repairs to dwellings. (g) Includes £51 18s. 8d. for erection of wash-houses. (h) Includes £130 9s. 1d. for outbuildings and porches, and £63 9s. 5d. for fencing. (i) Includes £71 6s. 3d. for landing stores, and £12 4s. 1d. for new cart-shed. (j) Includes £39 8s. 6d. for fencing (k) Includes £24 10s. 9d. for installation of telephones.

RETURN showing the COST of ERECTION of the
New Zealand COASTAL LIGHTHOUSES.

Name of Lighthouse.	Cost of Erection.
	£ s. d.
Pencarrow Head	6,422 0 4
Nelson	2,824 8 9
Tiritiri	5,747 7 2
Mana Island*	5,513 0 1
Taiaroa Head	4,923 14 11
Godley Head	4,705 16 4
Dog Island	10,480 12 8
Farewell Spit	6,139 11 8
Nugget Point	6,597 3 7
Cape Campbell	5,619 2 6
Manukau Head	4,975 2 4
Cape Foulwind	6,955 9 1
Brothers	6,241 0 0
Portland Island	6,554 14 5
Moeraki	4,288 13 2
Centre Island	5,785 19 0
Puysegur Point	9,958 19 5
Cape Maria van Diemen	7,028 14 8
Akaroa Head	7,150 6 5
Cape Saunders	6,066 6 3
Cape Egmont†	3,353 17 11
Mokōhinou	8,186 5 0
Waipapapa Point	5,969 18 11
Ponui Passage‡ .. .. .	.. .. .
Kaipara Head	5,571 8 0
French Pass	1,427 17 5
Cuvier Island	7,406 16 11
Stephens Island	9,349 9 11
Cape Palliser	6,243 16 1
East Cape	7,594 8 8
Kahurangi Point	9,528 1 1
Jack's Point	1,204 10 9
Cape Brett	11,237 3 5
Castle Point (building)	3,605 19 4
Cost of telegraph-cable to Tiritiri	1,085 19 6
Miscellaneous and unallocated	1,322 2 2
Total	£207,065 17 10

* Light discontinued; moved to Cape Egmont.

† Cost of iron tower, lantern, and apparatus, which were removed from Mana Island, is not included in this.

‡ Built by Provincial Government of Auckland; cost not known in Marine Department.

RETURN showing the FEES, &c., received under
the Shipping and Seamen Acts, the Merchant
Shipping Act, the Harbours Acts, and the
Fisheries Acts, during the Financial Year
ended 31st March, 1912.

Nature of Receipts.	Amount.
	£ s. d.
Shipping and Seamen Acts:—	
Fees for engagement and discharge of seamen, and sale of forms	3,811 0 10
Surveys of steamers and sailing-vessels	2,490 14 0
Measurement of ships	29 0 0
Examinations of masters, mates, and engineers	424 6 0
Light dues	38,232 0 11
Sundry receipts	870 2 7
Merchant Shipping Act	212 5 6
Harbours Acts:—	
Pilotage and port charges	1,946 17 10
Foreshore rents, and shingle and sand permits	1,011 17 6
Sundry receipts	225 4 0
Fisheries Acts:—	
Sale of oysters	3,013 6 8
Sundry receipts	289 2 6
Total	£52,555 18 4

RETURN showing the AMOUNT of LIGHT DUES
collected during the Financial Year ended
31st March, 1912.

Port.	Amount collected
	£ s. d.
Auckland	14,193 19 11
Coromandel	18 9 10
Onehunga	136 0 5
Whangaroa	10 10 7
Whangarei	143 16 6
Russell	51 8 1
Whangape	1 2 11
Mangonui	1 15 4
Whangaparapara*	0 11 8
Hokianga*	45 13 2
Kaipara	129 12 8
Thames	80 18 0
Tauranga	42 6 1
Poverty Bay	808 1 10
Napier	933 19 3
New Plymouth	233 10 6
Waitara	121 18 0
Wanganui	203 13 11
Patea	19 7 10
Wellington	9,567 4 11
Wairau	30 18 4
Picton	524 9 4
Nelson	440 19 10
Westport	854 14 4
Greymouth	400 1 11
Hokitika	5 19 7
Lyttelton	2,818 8 2
Timaru	565 13 6
Oamaru	192 14 2
Dunedin	2,677 19 11
Bluff and Invercargill	2,976 0 5
Total	£38,232 0 11

RETURN showing the AMOUNT of PILOTAGE,
PORT CHARGES, &c., collected during the Year
ended 31st March, 1912.

Name of Port.	Pilotage.	Port Charges, &c.	Total.
	£ s. d.	£ s. d.	£ s. d.
Auckland*	3,081 16 6	11,462 1 10	14,543 18 4
Onehunga	15 18 0	178 11 6	194 9 6
Hokianga .. .. .	.. .. .	66 6 4	66 6 4
Kaipara	798 12 2	471 13 8	1,270 5 10
Thames*	70 3 8	286 0 4	356 4 0
Gisborne*	257 18 9	4,324 13 0	4,582 11 9
Wairoa*	243 0 0	13 4 0	256 4 0
Napier*	1,290 18 6	6,865 14 3	8,156 12 9
N. Plymouth*	236 6 10	275 2 9	511 9 7
Waitara*	99 8 10	222 13 6	322 2 4
Wanganui*	694 0 2	151 8 4	845 8 6
Patea*	75 13 7	15 9 0	91 2 7
Foxton*	292 18 6	.. .. .	292 18 6
Wellington*	236 1 7	18,404 14 6	18,640 16 1
Picton	122 4 11	185 3 11	307 8 10
Wairau*	667 7 0	.. .. .	667 7 0
Nelson*	3,974 1 1	1,093 3 11	5,067 5 0
Westport*	593 13 3	.. .. .	593 13 3
Karamea	108 7 0	.. .. .	108 7 0
Hokitika* .. .. .	.. .. .	†30 5 3	30 5 3
Lyttelton*	13,615 16 7	8,197 6 2	21,813 2 9
Timaru*	3,675 17 0	4,056 17 7	7,732 14 7
Oamaru* .. .. .	.. .. .	†2,188 13 3	2,188 13 3
Dunedin*	13,362 6 4	6,905 12 9	20,267 19 1
Bluff*	3,028 16 0	2,844 16 5	5,873 12 5
New River* .. .. .	.. .. .	11 10 8	11 10 8
Totals	46,541 6 3	68,251 2 11	114,792 9 2

* Harbour Board revenue. † Tonnage dues.

RETURN showing the NUMBER of SEAMEN engaged and discharged in the FOREIGN and INTERCOLONIAL TRADE, the HOME TRADE, and WITHIN RESTRICTED LIMITS respectively, together with the AMOUNT of FEES received for the same, during the Financial Year ended the 31st March, 1912.

Port.	Engagements and Discharges in Foreign and Intercolonial Trade.				Engagements and Discharges in Home Trade.				Engagements and Discharges in Restricted Limits.				Total Engagements.		Total Discharges.		Grand Totals.	
	Number of Seamen engaged.	Fees received.	Number of Seamen discharged.	Fees received.	Number of Seamen engaged.	Fees received.	Number of Seamen discharged.	Fees received.	Number of Seamen engaged.	Fees received.	Number of Seamen discharged.	Fees received.	Number of Seamen.	Fees received.	Number of Seamen.	Fees received.	Number of Seamen.	Fees received.
Auckland	2,703	197 3 0	2,520	184 7 6	2,788	189 11 0	2,850	194 14 0	814	51 15 6	821	52 10 6	6,305	438 9 6	6,191	431 12 0	12,496	870 1 6
Dunedin and Port Chalmers	1,342	93 18 6	1,211	86 13 6	1,739	117 11 6	1,437	101 15 0	..	..	..	..	3,081	211 10 0	2,643	188 8 6	5,723	399 18 6
Greymouth	45	3 7 6	43	3 4 6	136	10 3 6	81	6 1 0	..	..	..	..	181	13 11 0	124	9 5 6	305	22 16 6
Hokitika	14	1 1 0	9	0 13 6	6	0 9 0	3	0 4 6	..	..	..	..	17	1 5 6	12	0 18 0	29	2 3 6
Invercargill	117	7 10 0	68	3 13 0	11	0 16 6	5	0 7 6	..	..	..	..	128	8 6 6	73	4 0 6	9	0 13 6
Kapara	5	0 7 6	4	0 6 0	14	0 13 0	10	0 15 0	..	..	..	..	19	1 0 6	14	1 1 0	33	2 1 6
Lyttelton	674	50 10 6	557	41 15 0	1,609	120 13 6	1,342	100 13 6	28	2 2 0	30	2 5 0	2,311	173 6 0	1,929	144 13 6	4,240	317 19 6
Napier ..	28	2 2 0	16	1 4 0	393	23 3 6	354	20 11 0	24	1 16 0	23	1 14 6	441	26 1 6	393	23 9 6	834	49 11 0
Nelson ..	7	0 10 6	4	0 6 0	469	23 15 6	401	23 4 6	158	10 5 6	158	10 5 6	634	39 11 6	563	33 16 0	1,197	73 7 6
New Plymouth	..	..	..	..	32	1 14 6	21	1 4 0	..	..	..	..	32	1 14 6	21	1 4 0	53	2 18 6
Oamaru ..	7	0 10 6	5	0 7 6	8	0 12 0	2	0 3 0	..	..	..	..	15	1 2 6	7	0 10 6	22	1 13 0
Onehunga	..	..	..	..	522	32 17 0	483	31 8 6	..	..	..	..	522	32 17 0	483	31 8 6	1,005	64 5 6
Patea ..	..	..	..	..	23	1 5 0	2	0 3 0	..	..	..	..	23	1 5 0	2	0 3 0	25	1 8 0
Pictou ..	5	0 7 6	3	0 4 6	48	3 12 0	25	1 17 6	..	..	3	0 4 6	53	3 19 6	31	2 6 6	84	6 6 0
Poverty Bay	13	0 19 6	2	0 3 0	172	10 17 0	135	8 9 0	..	..	..	..	185	11 16 6	137	8 12 0	322	20 8 6
Tairanga	..	..	..	..	14	1 1 0	14	1 1 0	..	..	..	..	14	1 1 0	14	1 1 0	28	2 2 0
Thames ..	..	..	..	..	9	0 13 6	9	0 13 6	..	..	..	..	9	0 13 6	9	0 13 6	18	1 7 0
Timaru ..	95	7 2 6	56	4 4 0	82	6 3 0	52	3 18 0	..	..	..	..	177	13 5 6	105	8 2 0	285	21 7 6
Wairau and Havelock	2	0 3 0	..	..	23	1 14 6	20	1 10 0	..	..	..	..	25	1 17 6	20	1 10 0	45	3 7 6
Waitara	..	..	..	..	33	1 11 6	37	1 13 0	..	..	..	..	33	1 11 6	37	1 13 0	70	3 4 6
Wanganui	16	1 15 0	14	1 1 0	135	9 6 0	121	8 5 0	..	..	..	..	151	11 1 0	135	9 6 0	286	20 7 0
Wellington	2,594	184 8 6	2,511	176 5 6	3,926	261 9 6	4,112	268 18 0	..	..	..	..	6,520	445 18 0	6,623	445 3 6	13,143	891 1 6
Westport	49	3 12 0	30	2 5 0	162	11 4 6	111	7 8 0	..	..	..	..	211	14 16 0	352	9 13 0	352	24 9 0
Whangarei	..	..	..	..	30	2 0 0	30	2 0 0	..	..	..	..	30	2 0 0	30	2 0 0	60	4 0 0
Whangaparapa	..	..	..	..	..	..	1	0 1 6	..	..	..	..	..	..	1	0 1 6	1	0 1 6
Totals ..	7,716	355 9 0	7,053	506 13 6	12,383	387 2 0	11,661	787 3 6	1,024	65 18 0	1,035	67 0 0	21,123	1,458 10 0	19,749	1,360 17 0	40,862	2,819 7 0

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
William Wigmore Stuart	Second mate ..	Foreign trade ..	2 May, 1911 ..	1133
Robert Jackson Fowler	Only mate, steam ..	" ..	2 " " ..	1134
George Watson Anderson	Master ..	" ..	8 " " ..	1135
Daniel O'Hara	Second mate ..	" ..	11 " " ..	1136
Franklin John Garfield Warren	" ..	" ..	9 June, " ..	1137
Francis Bell	" .. steam ..	" ..	9 " " ..	1138
Herbert Michael Hurley	First mate ..	" ..	9 " " ..	1108
Gordon Archibald Grey	Second mate ..	" ..	20 " " ..	1139
John Stewart	First mate ..	" ..	21 " " ..	1140
Harry Archibald Daniel	" ..	" ..	6 July, " ..	1141
George Percy Evans	Master ..	" ..	6 " " ..	993
Alexander Coe Smith	" ..	" ..	8 Aug, " ..	1019
John Lowry	First mate ..	" ..	24 " " ..	1102
Arnold Raymond Hegarty	" ..	" ..	24 " " ..	1142
Gerald Graham	" ..	" ..	24 " " ..	1143
John Charles Barnett	Master ..	" ..	24 " " ..	1144
Keith Ditcham	Second mate ..	" ..	27 Sept., " ..	1145
Frank Douglas Fletcher	First mate ..	" ..	6 Oct., " ..	1146
Herbert Hogan	Master ..	" ..	24 " " ..	1024
George Thorp	First mate, steam ..	" ..	27 " " ..	1100
John Anthony Martin	Master ..	" ..	15 Nov., " ..	1078
Donald Mackenzie	Second mate, steam ..	" ..	15 " " ..	1147
Henry George Hatchwell	First mate ..	" ..	23 " " ..	1148
Albert Esdale Haydn	" ..	" ..	8 Dec., " ..	1111
Colin Mitchell Campbell	Second mate ..	" ..	10 Jan., 1912 ..	1149
William Cossentine	Master ..	" ..	10 " " ..	1150
Frank James Couldrey	" ..	" ..	10 " " ..	1151
Frederick Kenneth Allen	Second mate ..	" ..	10 " " ..	1152
William Gash	" ..	" ..	10 " " ..	1153
Henry Jean De Poroumb Roumanoff	Only mate ..	" ..	18 " " ..	1154
Alexander Mackenzie	Second mate, steam ..	" ..	8 Feb., " ..	1155
Arthur Henry Wedgwood Burgess	Master ..	" ..	8 Mar., " ..	1099
Harold Fletcher Tomlinson	" ..	" ..	28 " " ..	1156
Tommas Christian Thomsen	" ..	Home trade ..	25 April, 1911 ..	5650
John Frederick Kasper	" ..	" ..	2 May, " ..	5696
Alfred Stanley Hill	Mate ..	" ..	11 " " ..	5697
Robert Scollay	Master ..	" ..	20 June, " ..	5546
John Knox	" ..	" ..	21 " " ..	5698
Alfred James Henry	" ..	" ..	6 July, " ..	5647
Frederick Jervase Lyons Radford	" ..	" ..	6 " " ..	5560
Andrew Haraldsen	" ..	" ..	1 Aug., " ..	5610
Lester Clark	Mate ..	" ..	1 " " ..	5699
Siguard Satre	" ..	" ..	16 " " ..	5700
William Oscar Jarman	" ..	" ..	4 Sept., " ..	5701
Rutherford Dodds	Master ..	" ..	4 " " ..	5627
Peter Johnson	" ..	" ..	4 " " ..	5656
John Arnold	Mate ..	" ..	18 " " ..	5702
Henry Alexander Anderson	" ..	" ..	18 " " ..	5703
Johan Alfred Norling	" ..	" ..	6 Oct., " ..	5704
John Eric Bergquist	" ..	" ..	6 " " ..	5705
John Matthew Jackson	Master ..	" ..	27 " " ..	5537
Frederick William Bancks	Mate ..	" ..	15 Nov., " ..	5706
George David Fraser	" ..	" ..	15 " " ..	5707
Frederick William Jones	" ..	" ..	15 " " ..	5708
Stanley Deering Bott	Master ..	" ..	28 " " ..	5709
Johannes Sandvick	Mate ..	" ..	8 Dec., " ..	5710
Wenzl Joseph Schischka	Master ..	" ..	8 " " ..	5676
William Ralph Howell	Mate ..	" ..	13 " " ..	5711
Thomas William Savage	" ..	" ..	13 " " ..	5712
Hans Andersen	Master ..	" ..	13 " " ..	5683
George Henry King	" ..	" ..	13 " " ..	5638
Thomas Scott	" ..	" ..	10 Jan., 1912 ..	5672
William Jones	Mate ..	" ..	30 " " ..	5713
Arthur Sutherland Gibson	" ..	" ..	30 " " ..	5714
Robert John Edgar Thorp	" ..	" ..	30 " " ..	5715
Leonard Owen	" ..	" ..	4 Mar., " ..	5716
Mikko Himainen	" ..	" ..	4 " " ..	5717
Reinhold Palmer	Master ..	" ..	8 " " ..	5679
Albert Nalder	Mate ..	" ..	8 " " ..	5718
Robert Goldie	Master ..	" ..	20 " " ..	5719
Leonard Owen	" ..	River steamer ..	25 April, 1911 ..	3586
Alfred Andrew Perano	" ..	" ..	2 May, " ..	3587
David Alexander Miller	" ..	" ..	9 June, " ..	3588
Cecil Stephen Wagstaff	" ..	" ..	20 " " ..	3589
Charles William Sundstrum	" ..	" ..	1 Aug., " ..	3590
John William Laing	" ..	" ..	1 " " ..	3591
Frederick Alfred Brock	" ..	" ..	16 " " ..	3592
Alexander MacLeod	" ..	" ..	24 " " ..	3593
Edward Knewstubb	" ..	" ..	11 Sept., " ..	3594
John Thomas Williams	" ..	" ..	18 " " ..	3595
James Robertson Kennedy	" ..	" ..	27 " " ..	3596
Bertrand Isaac Eaddy	" ..	" ..	24 Oct., " ..	3597
Gordon Butler	" ..	" ..	24 " " ..	3598
James Salter Wilshire	" ..	" ..	24 " " ..	3599

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—*continued.*

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Edward Wallbank	Master	River steamer	27 Oct., 1911	3600
Thomas Lyons	"	"	15 Nov., "	3601
William Frederick Knight	"	"	23 " "	3602
George Alfred Friers	"	"	5 Dec., "	3603
George Moore	"	"	19 " "	3604
Robert Murrell	"	"	10 Jan., 1912	3605
Alfred Charles Hanlon	"	"	10 " "	3606
Karl Fransen	"	"	6 Feb., "	3607
Walter Madigan	"	"	4 Mar., "	3608
Isaac William Jalfon	"	"	4 " "	3609
Alfred Andrew Perano	"	Fishing - boat, or cargo-vessel under 25 tons register	2 May, 1911	44
Charles Ormes	"	Ditto	22 May, "	45
Archibald McCallum	"	"	20 June, "	46
Arthur James Pearce	"	"	24 Aug., "	47
James Douglas Bell	"	"	4 Sept., "	48
Bryant Thomas Elsmore	"	"	18 " "	49
Julius Christoffersen	"	"	27 Oct., "	50
Thomas Brown	"	"	15 Nov., "	51
William John Lang	"	"	15 " "	52
Thomas St. Heliers Eaddy	"	"	15 " "	53
John Collings	"	"	20 Dec., "	54
Charles Ludwig Kasper	"	"	28 Mar., "	55
Frank Bernard Williams	3rd-class engineer	Foreign trade	13 April, "	1390
John William Dow	"	"	13 " "	1391
Alfred Seymour Thomas	"	"	13 " "	1392
Alexander Oliver Inverarity	1st-class engineer	"	13 " "	881
Stephen Collier	"	"	13 " "	921
Ernest Edgar Flamank Grimmett	3rd-class engineer	"	25 " "	1393
Watson Whitwell	"	"	11 May, "	1394
Richard Bentley Headley	"	"	11 " "	1395
Gerald Stanley Lewis	"	"	11 " "	1396
Jay Grover Hooker	"	"	11 " "	1397
Arthur George Rogerson	"	"	11 " "	1398
Leopold Sydney Kendell	"	"	11 " "	1399
Thomas Boyd Scott	"	"	11 " "	1400
George Burt	"	"	9 June, "	1401
Thomas Steel Goudie	"	"	9 " "	1402
Lionel Wilfred Morgan	"	"	9 " "	1403
Herbert Lewis Barnett Lockett	"	"	9 " "	1404
Ralph Beaufoy	"	"	9 " "	1405
Vincent James Burns	"	"	9 " "	1406
John Henry Holmes	"	"	9 " "	1407
Henry Stuart Pauling	"	"	9 " "	1408
Charles Scott	2nd-class engineer	"	20 " "	1218
Stanley Bassett	3rd-class engineer	"	12 July, "	1409
Karl Hugo Vogeler	"	"	12 " "	1410
Alexander Hope Gordon Grant	"	"	12 " "	1411
Harry Brotherton	"	"	12 " "	1412
Walter James Chaplin	"	"	12 " "	1413
Leslie Jacob Mander	"	"	12 " "	1414
John Mitchell	"	"	12 " "	1415
William Donald Whyte Robertson	"	"	12 " "	1416
Louis Isaac Ziman	"	"	5 Aug., "	1417
William Byers Stanley Sealy	"	"	8 " "	1418
George Maxwell	1st-class engineer	"	16 " "	467
Alfred Joseph Robertson	3rd-class engineer	"	16 " "	1419
Alfred James Mathewson	"	"	16 " "	1420
Herbert John Allen Knewstubb	"	"	16 " "	1421
George Frederick MacLean	"	"	16 " "	1422
Thomas Murray Woodrow	"	"	16 " "	1423
Alexander Miller	"	"	16 " "	1424
James Robert Latta	"	"	16 " "	1425
Kenneth Alexander Gunn	"	"	16 " "	1426
Ernest Winsloe George	"	"	16 " "	1427
Roy Lewis Ditcham	"	"	16 " "	1428
Charles James Hally	"	"	11 Sept., "	1429
Gordon Keith Wilson	"	"	11 " "	1430
Thomas Moore Campbell	"	"	11 " "	1431
Horace Charles Delaney	"	"	11 " "	1432
Charles Edward Storer	"	"	18 " "	1433
Roy Jocelyn Grainger	"	"	18 " "	1434
Hugh Fairchild Smith	"	"	18 " "	1435
Harry Grainger	"	"	18 " "	1436
Sydney George Fuller	"	"	18 " "	1437
Alexander Ledingham Smith Cassie	"	"	18 " "	1438
William Henry Munn	"	"	27 " "	1439
John George Whyte	1st-class engineer	"	6 Oct., "	1014
Robert Laurie	"	"	6 " "	983
Cecil Roy McLean Baird	2nd-class engineer	"	6 " "	1177
Arthur Reginald Sommerville	3rd-class engineer	"	6 " "	1440
Frederick Theodore Okeby	"	"	24 " "	1441
Thomas John Gregg Brandford Robb	"	"	24 " "	1442

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—*continued.*

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Roy Sortain Smith	3rd-class engineer ..	Foreign trade ..	24 Oct., 1911 ..	1443
Allan Clyde Dickie	1st-class engineer ..	"	24 " " " ..	648
Gilbert Stuart Mitchell	2nd-class engineer ..	"	24 " " " ..	860
Neil John McMurrich	"	"	24 " " " ..	1228
George Gordon Smith	1st-class engineer ..	"	24 " " " ..	1095
Frank Vincent Thomas	3rd-class engineer ..	"	15 Nov., " ..	1444
Henry Joseph Schaw	"	"	15 " " " ..	1445
Sarsfield Daly	"	"	15 " " " ..	1446
Charles Cranfield Emmett Butcher.. .. .	"	"	23 " " " ..	1447
William James Bowman	"	"	23 " " " ..	1448
William Patrick Kiely	2nd-class engineer ..	"	23 " " " ..	1003
Harold Robins Barnes	3rd-class engineer ..	"	28 " " " ..	1449
Percy John Gibson Ward	1st-class engineer ..	"	5 Dec., " ..	1450
Charles Frederick Hales West	"	"	5 " " " ..	1451
Roger Parr	2nd-class engineer ..	"	19 " " " ..	1002
Walter Rogers	"	"	19 " " " ..	1175
Montague Charles Alexander	1st-class engineer ..	"	19 " " " ..	790
Charles Cameron Begg	3rd-class engineer ..	"	19 " " " ..	1452
John Thomas Kelman	"	"	19 " " " ..	1453
William Anderson Schaumann	"	"	19 " " " ..	1454
Harry Raynor Salmon	2nd-class engineer ..	"	30 Jan., 1912 ..	1152
Arthur James McIndoe	1st-class engineer ..	"	30 " " " ..	1455
Reginald Gordon Houghton	3rd-class engineer ..	"	30 " " " ..	1456
Norman Reginald Rawlings	"	"	30 " " " ..	1457
William Cameron Ferguson	"	"	30 " " " ..	1458
Harry Turner	"	"	30 " " " ..	1459
Stanley Howard Pilkington	"	"	30 " " " ..	1460
David Cuthbert	"	"	30 " " " ..	1461
George Gilbert Jamieson	"	"	30 " " " ..	1462
John Vereker Bindon	"	"	30 " " " ..	1463
Wentworth Augustus Johnson	"	"	30 " " " ..	1464
James Comrie	"	"	30 " " " ..	1465
Douglas Buckland	"	"	30 " " " ..	1466
William John Ormiston	"	"	30 " " " ..	1467
Charles Frederick Morgan	"	"	30 " " " ..	1468
Alston Hadfield McLean	2nd-class engineer ..	"	30 " " " ..	1004
Ronald Gray	3rd-class engineer ..	"	30 " " " ..	1469
William James Russell Ross	1st-class engineer ..	"	13 Feb., " ..	1470
Henry Lawrence Bettis	3rd-class engineer ..	"	13 " " " ..	1471
Ronald Gordon Gallien	"	"	13 " " " ..	1472
William Edward John Marsden McCormick.. .. .	"	"	13 " " " ..	1473
John McConchie Brown	"	"	13 " " " ..	1474
John Frankland Kirk	"	"	13 " " " ..	1475
John Seggie	"	"	13 " " " ..	1476
David Gilmour Stephens	1st-class engineer ..	"	13 " " " ..	946
George Walter Haycock	3rd-class engineer ..	"	13 " " " ..	1477
Frederick Oliver Harding	"	"	4 Mar., " ..	1478
Sydney James Munn	1st-class engineer ..	"	8 " " " ..	992
John Peter Burns	"	"	11 " " " ..	953
Thomas Lister Anderson Osborne	3rd-class engineer ..	"	8 " " " ..	1479
Stephen Herbert Head	2nd-class engineer ..	"	19 " " " ..	936
Thomas Hamilton Murray	1st-class engineer ..	"	28 " " " ..	1480
Harold Croft	Engineer ..	River trade ..	25 April, 1911 ..	2155
John Pollock Faulds	"	"	25 " " " ..	2156
James Douglas Falconer	"	"	11 May, " ..	2157
George Henry Dean	"	"	11 " " " ..	2158
Thomas Mahoney	"	"	11 " " " ..	2159
James Campbell	"	"	11 " " " ..	2160
John Cochrane	"	"	11 " " " ..	2161
Charles Henry Cook	"	"	11 " " " ..	2162
Charles Herbert Gentil	"	"	11 " " " ..	2163
William Sumner	"	"	11 " " " ..	2164
William John Fisher	"	"	5 Aug., " ..	2165
Charles James Sandilands	"	"	16 " " " ..	2166
George Patrick Marchant	"	"	11 Sept., " ..	2167
Mayo Carlton Clark	"	"	18 " " " ..	2168
Robert Gillespie	"	"	15 Nov., " ..	2169
William Durry	"	"	19 Dec., " ..	2170
Charles Richard Hearn	"	"	30 Jan., " ..	2171
Alfred Keane	"	"	30 " " " ..	2172
Noel Peat	"	"	13 Feb., " ..	2173
Percy Thornton	"	"	13 " " " ..	2174
George Andrews	1st-class oil engineer ..	Sea-going ..	12 May, " ..	102
William Latham Cutten	"	"	12 " " " ..	170
Stanley Nelson Going	"	"	12 " " " ..	171
John Cochrane	2nd-class oil engineer ..	"	12 " " " ..	172
William James Pollock	"	"	12 " " " ..	173
Charles Siegmund Jacobsen	"	"	20 June, " ..	174
Leigh Easton Baxter	1st-class oil engineer ..	"	5 Aug., " ..	175
Frederick Thomas Slater Rhodes	2nd-class oil engineer ..	"	5 " " " ..	176
Dover Goddard Andrews	"	"	18 Sept., " ..	177
William Archibald Smeed	"	"	18 " " " ..	178
Arthur Stephen Lane	"	"	18 " " " ..	179
Charles Herbert Gentil	"	"	26 " " " ..	180

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—continued.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
George Walter Haycock	1st-class oil engineer	Sea-going	15 Nov., 1911 ..	181
Ernest Clyde Fowler	"	"	15 " " ..	182
Thomas Edward Tunnage	2nd-class oil engineer	"	23 " " ..	183
Thomas Percival Lane	"	"	30 Jan., " ..	184
David Reid	"	"	30 " " ..	185
Thomas Stewart Spencer	"	"	30 " " ..	186
Thomas Samuel Davies	"	"	13 Feb., " ..	187
James McLean Clark	Oil engineer	River trade	12 May, " ..	202
John Jones	"	"	12 " " ..	203
George Williamson Hutchinson	"	"	12 " " ..	204
Charles Edward Chittenden	"	"	12 " " ..	205
Archibald Dargue Weir	"	"	20 June, " ..	206
Charles Grey Crone	"	"	29 " " ..	207
Harold Hill Jagger	"	"	11 Sept., " ..	208
Frank Kemp Morris	"	"	11 " " ..	209
Robert Withers Gunson	"	"	11 " " ..	210
Arthur Joseph Lennon	"	"	11 " " ..	211
Archie Fuller	"	"	11 " " ..	212
Percival Peter Gordon	"	"	11 " " ..	213
Alan Alexander William Russell	"	"	11 " " ..	214
William Ernest Eriksen	"	"	11 " " ..	215
Ralph Hardy	"	"	11 " " ..	216
Sydney Hunter	"	"	18 " " ..	217
Thomas Hunter	"	"	18 " " ..	218
Andrew Honeyman Bennie	"	"	15 Nov., " ..	219
Harry Percy Bevis	"	"	15 " " ..	220
Joseph Hannam Bettenson	"	"	15 " " ..	221
Walter Cutten	"	"	28 " " ..	222
Alfred Munn	"	"	28 " " ..	223
George Sampson	"	"	19 Dec., " ..	224
John Robert Murrell	"	"	10 Jan., 1912 ..	225
Clarence Arthur Fitchett	"	"	30 " " ..	226
William Edward Hayes	"	"	30 " " ..	227
Harold Arthur Norgrove	"	"	30 " " ..	228
Charles Edward Hansen	"	"	30 " " ..	229
James Henry McGinn	"	"	30 " " ..	230
Robert Ross Colley	"	"	30 " " ..	231
George Pinckney Ford	"	"	30 " " ..	232
John William Christopher Deeming	"	"	30 " " ..	233
John Harold Morrison	"	"	13 Feb., " ..	234
Thomas Herbert Kelsey	"	"	13 " " ..	235
James Linster Passmore	"	"	13 " " ..	236
Michael Tants	"	"	4 Mar., " ..	237
Walter Leslie Bayliss	"	"	4 " " ..	238
George Bastin Mead	"	"	4 " " ..	239
Andrew Campbell	"	"	4 " " ..	240
Frederick Richard Wilkin	"	"	8 " " ..	241

RETURN showing the NUMBER of MASTERS', MATES', and ENGINEERS' EXAMINATIONS in New Zealand during the Year ended the 31st March, 1912, showing the Number of Successful and Unsuccessful Candidates.

Class of Certificate.	Auckland.			Wellington.			Lyttelton.			Dunedin.			Other Places.			Totals.		
	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.
Foreign-going masters and mates	18	25	43	5	14	19	10	21	31	..	..	..	..	..	..	33	60	93
Home-trade masters and mates	20	21	41	11	8	19	5	3	8	1	2	3	..	..	..	37	34	71
River-steamer masters	10	4	14	2	1	3	2	1	3	8	3	11	2	..	2	24	9	33
Master fishing-boat or cargo-vessel under 25 tons register	10	6	16	2	..	2	..	..	..	..	..	..	..	..	..	12	6	18
Sea-going engineers (steam)	36	10	46	18	3	21	11	8	19	26	7	33	21	6	27	112	34	146
River-steamer engineers	10	6	16	2	..	2	1	..	1	2	..	2	5	1	6	20	7	27
Sea-going engineers (mechanical power other than steam)	11	5	16	1	..	1	2	..	2	..	..	..	5	..	5	19	5	24
River engineers (mechanical power other than steam)	24	3	27	1	..	1	1	1	2	2	..	2	12	..	12	40	4	44
Totals	139	80	219	42	26	68	32	34	66	39	12	51	45	7	52	297	159	456

RETURN of CERTIFICATES of EXEMPTION from EXAMINATION as THIRD-CLASS ENGINEERS issued during the Year ended 31st March, 1912.

Date of Issue.	Name.	Date of Issue.	Name.
16 June, 1911	Arthur Llewellyn Williams.	7 Dec., 1911	Robert Richards.
30 Aug., "	Maurice William Mehaffey.	23 March, 1912	Silston Cory Wright.
6 Oct., "	Ernest Roland Morrison.		

RETURN of LICENSES as COLONIAL PILOTS issued in pursuance of Section 190 of the Shipping and Seamen Act, 1908, during the Year ended 31st March, 1912.

No. of License.	Date of Issue.	Name of Licensee.	Port of Residence.	Date of Expiry of License.
43	11 Oct., 1911	Felix Black	Wellington ..	8 Oct., 1912.
41	18 Dec., "	Thomas Fernandez	Gisborne ..	18 Dec., "
44	17 Feb., 1912	Charles McArthur	Wellington ..	17 Feb., 1913.
45	29 March, "	John Grant	Onehunga ..	3 April, "

RETURN of LICENSED ADJUSTERS of COMPASSES in New Zealand.

Date of Issue.	Name of Licensee.	Address.
9 April, 1896	Frederick Macbeth	Dunedin.
15 May "	Robert Strang	"
5 " "	George Urquhart Thomson	"
27 April, 1897	Frederick William Cox	Nelson.
27 May, "	Thomas Fernandez	Auckland.
27 July, "	Robert Hatchwell	Lyttelton.
1 Sept., "	Arthur G. Gifford	Wellington.
13 Aug., 1898	Herbert John Richardson	"
26 April, 1899	Robert Heddelston Neville	"
26 June, 1900	Charles Frederick Sundstrum	Dunedin.
27 July, "	John Adamson	Auckland.
27 Nov., "	Thomas Basire	Port Chalmers.
27 March, 1903	George Samuel Hooper	Wellington.
19 Oct., "	John McLennon McKenzie	"
1 Nov., 1906	Frederick Pryce Evans	Dunedin.
6 Feb., 1907	David Todd	"
22 " 1909	Norman Macdonald	Bluff.
28 May, "	Charles Cornelius Plunket	Auckland.
23 Oct., "	Robert Crawford	Wellington.
24 May, 1910	John James Reeves	Auckland.
19 June, 1911	Frederic George Cooper	Wellington.
16 Nov., "	Major William Solloway Lane	Totara North

RETURN OF CERTIFICATES OF SERVICE AS MASTERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912.

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
George Poole	1911. May 1	Restricted limits	3154	Konrad Altherr	1911. May 1	Restricted limits	3234
James Crosbie Martin	" 1	Ditto ..	3155	Thomas Ernest Short	" 1	Ditto ..	3235
Herbert Howith Mountain	" 1	" ..	3156	Edward Norton Boulton	" 1	" ..	3236
Alfred Ernest Fuller	" 1	" ..	3157	Charles William White	" 1	" ..	3237
Walter Clapham Mountain	" 1	" ..	3158	Frederick William Newton	" 1	" ..	3238
Leonard Sydney Irving	" 1	" ..	3159	Arthur Henry Macartney	" 1	" ..	3239
George Gould	" 1	" ..	3160	Herbert John Franklyn Heley	" 1	" ..	3240
Charles Herbert Eyes	" 1	" ..	3161	Samuel Walter Morgan	" 1	" ..	3241
Charles Eyes	" 1	" ..	3162	John Hawthorn McCarroll	" 1	" ..	3242
Bertie Hawkins	" 1	" ..	3163	Charles Willoughby Leyland	" 1	" ..	3243
Charles Henry Lane	" 1	" ..	3164	Robert Coulson	" 1	" ..	3244
Reddy George Cochran	" 1	" ..	3165	William Henry McFarlane	" 1	" ..	3245
Kahi Wirori	" 1	" ..	3166	Gerard Arnold Ward	" 1	" ..	3246
Michael James Danaher	" 1	" ..	3167	Charles Gilbert Pool	" 1	" ..	3247
Thomas Leo Danaher	" 1	" ..	3168	John Alexander Pool	" 1	" ..	3248
Herbert Charles Harris	" 1	" ..	3169	William Charles Pool	" 1	" ..	3249
Hugh Jones	" 1	" ..	3170	Charles James Millar	" 1	" ..	3250
Thomas Francis Hartley	" 1	" ..	3171	Howard John Hare	" 1	" ..	3251
Selwyn Hardiman Watkins	" 1	" ..	3172	William John Hare	" 1	" ..	3252
Edward Hardiman	" 1	" ..	3173	Guy Henry Hargreaves Jackman	" 1	" ..	3253
Henry Reginald Ernest Wright	" 1	" ..	3174	James Allison Stein Hemphill	" 1	" ..	3254
William Mayne Bryers	" 1	" ..	3175	Arthur John Henderson	" 1	" ..	3255
Arthur Grover	" 1	" ..	3176	John Daniel Henderson	" 1	" ..	3256
Frederick Albert Newton	" 1	" ..	3177	William Haora	" 1	" ..	3257
Henry Baxter	" 1	" ..	3178	Harold Percy Burgess	" 1	" ..	3258
Timothy Watson	" 1	" ..	3179	Edmund John Frost	" 1	" ..	3259
Bertie Purnell Andrews	" 1	" ..	3180	Frederick Russell Sanderson	" 1	" ..	3260
William John Berg	" 1	" ..	3181	Puhipi Murray	" 1	" ..	3261
Maxwell Mallow Carpenter	" 1	" ..	3182	Edgar Selwyn Hope	" 1	" ..	3262
George Thomas Clendon	" 1	" ..	3183	Willie Johnson	" 1	" ..	3263
John Raymond Morris	" 1	" ..	3184	John Lupton	" 1	" ..	3264
Walter Herberley	" 1	" ..	3185	Edward Nelder	" 1	" ..	3265
Edward Dixon	" 1	" ..	3186	Alfred Albert William Yates	" 1	" ..	3266
Harry Young	" 1	" ..	3187	Ivan Hows	" 1	" ..	3267
Robert Sharon Turner	" 1	" ..	3188	Alfred Wright	" 1	" ..	3268
Robert Caven	" 1	" ..	3189	Henry Everitt	" 1	" ..	3269
Frederick James Foot	" 1	" ..	3190	Cecil Bruce Walrond	" 1	" ..	3270
Frederick Woodcock	" 1	" ..	3191	Claude Wells	" 1	" ..	3271
Arthur James Isles	" 1	" ..	3192	John Lapwood	" 1	" ..	3272
Frank Peter Flinn	" 1	" ..	3193	William Jonathan Scott	" 1	" ..	3273
George Henry Cory Wright	" 1	" ..	3194	Joseph Tito	" 1	" ..	3274
Thorwald August Johnson	" 1	" ..	3195	Harry Oriano Grandi Haylock	" 1	" ..	3275
George Henry Cox	" 1	" ..	3196	Ernest Prescott	" 1	" ..	3276
Herbert Shepherd	" 1	" ..	3197	Frederick Hope	" 1	" ..	3277
William Henry Stuart	" 1	" ..	3198	Arthur Edward Meikle	" 1	" ..	3278
Richard Arthur Northwood	" 1	" ..	3199	Percy Walter Bell	" 1	" ..	3279
Emilius George Le Roy	" 1	" ..	3200	Ernest Henry Miller Bagley	" 1	" ..	3280
John Gould	" 1	" ..	3201	Richard Crane	" 1	" ..	3281
John Snowball	" 1	" ..	3202	William Roland Ogle	" 1	" ..	3282
Edward Spargo	" 1	" ..	3203	William Henry Berg	" 1	" ..	3283
James Phillip Bennett	" 1	" ..	3204	Charles Albert Durham	" 1	" ..	3284
Thomas Donovan	" 1	" ..	3205	Alfred Henry Morgan	" 1	" ..	3285
Ernest Woodward Boucher	" 1	" ..	3206	Edward Gerrish	" 1	" ..	3286
Daniel Robinson	" 1	" ..	3207	John James McIntosh	" 1	" ..	3287
John Thomas Hay	" 1	" ..	3208	George Aaron Wood	" 1	" ..	3288
James Gibb	" 1	" ..	3209	Michael Coakley	" 1	" ..	3289
Robert Gibb	" 1	" ..	3210	Lawrence Henry Lane	" 1	" ..	3290
Matthew Gibb	" 1	" ..	3211	Andrew Campbell	" 1	" ..	3291
George Richard De Thierry	" 1	" ..	3212	William Whittingham	" 1	" ..	3292
William Henry Saies, jun.	" 1	" ..	3213	George August Cholmondley Smith	" 1	" ..	3293
William Brown	" 1	" ..	3214	Henry Benjamin Butterfield	" 1	" ..	3294
Albert Cecil Clark	" 1	" ..	3215	John Cantrick	" 1	" ..	3295
John Wilson Brownlee	" 1	" ..	3216	Alexander Crockett	" 1	" ..	3296
John Hutley	" 1	" ..	3217	Thomas Henry Lee	" 1	" ..	3297
Richard Cossill	" 1	" ..	3218	Arthur Monkman McIntosh	" 1	" ..	3298
Harold Brouse Grant	" 1	" ..	3219	Charles William Reynolds	" 1	" ..	3299
Isaac William Turner	" 1	" ..	3220	Henry Madigan	" 1	" ..	3300
George Ferguson Andrews	" 1	" ..	3221	James Arthur Clark	" 1	" ..	3301
Otto Nickel	" 1	" ..	3222	Richard Ernest Bowden	" 1	" ..	3302
Edward John Samuel	" 1	" ..	3223	D'Arcy Baldick	" 1	" ..	3303
Samuel Viall	" 1	" ..	3224	James Baldick	" 1	" ..	3304
Albert Henry Bowman	" 1	" ..	3225	Edward Guard	" 1	" ..	3305
John Pearson Coulter	" 1	" ..	3226	William James Urwin	" 1	" ..	3306
Alfred Billing	" 1	" ..	3227	William Billing	" 1	" ..	3307
William Hill Blott	" 1	" ..	3228	Henry Bradshaw	" 1	" ..	3308
Arthur Francis Leader	" 1	" ..	3229	Hugh Farrelly	" 1	" ..	3309
Charles Henry Jennings Clare	" 1	" ..	3230	George Gordon Way	" 1	" ..	3310
Henry Barton	" 1	" ..	3231	William James Sutherland	" 1	" ..	3311
Charles Wilkinson	" 1	" ..	3232	George Thomas Reid	" 1	" ..	3312
William James Belcher	" 1	" ..	3233				

RETURN OF CERTIFICATES OF SERVICE AS MASTERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—*continued.*

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
1911.				1911.			
Richard Nightingale ..	May 1	Restricted limits	3314	John James Barfield Gullery ..	May 1	Restricted limits	3394
Harry Bush ..	" 1	Ditto ..	3315	John Hall Galloway ..	" 1	Ditto ..	3395
Frederick Henry Alexander ..	" 1	" ..	3316	Joseph Fell ..	" 1	" ..	3396
Carl Julius Carstensen ..	" 1	" ..	3317	Herbert Halliwell ..	" 1	" ..	3397
William John Stirling ..	" 1	" ..	3318	William Ansdell Leech ..	" 1	" ..	3398
Arthur Heberley ..	" 1	" ..	3319	Charles Winsbury Philpotts ..	" 1	" ..	3399
Verner Bertie Turner ..	" 1	" ..	3320	Alfred Baldick ..	" 1	" ..	3400
George Edward Turner ..	" 1	" ..	3321	George William Wallace Webber ..	" 1	" ..	3401
Thomas Moloney ..	" 1	" ..	3322	Albert Sven Johnson ..	" 1	" ..	3402
Walter Sanderson ..	" 1	" ..	3323	Frank Edmund Danaher ..	" 1	" ..	3403
John Herbert Snook ..	" 1	" ..	3324	Reginald Guy Bellve ..	" 1	" ..	3404
James Augustus Thomson ..	" 1	" ..	3325	Richard Alfred Northwood, jun. ..	" 1	" ..	3405
Thomas Thorne Seccombe ..	" 1	" ..	3326	Cornelius Gothard ..	" 1	" ..	3406
Thomas Daniel Gilchrist ..	" 1	" ..	3327	George Gates ..	" 1	" ..	3407
Alfred Joseph Moody ..	" 1	" ..	3328	James William Emmett ..	" 1	" ..	3408
Alexander Pollock ..	" 1	" ..	3329	Charles Joshua Johnson ..	" 1	" ..	3409
Jens Peter Svendsen ..	" 1	" ..	3330	Edward Berg ..	" 1	" ..	3410
Francis John William Stallard ..	" 1	" ..	3331	Alexander John Glasgow ..	" 1	" ..	3411
Philip Brewster ..	" 1	" ..	3332	Thomas Herbert Kelsey ..	" 1	" ..	3412
Edward George Stallard ..	" 1	" ..	3333	Bernard Boese ..	" 1	" ..	3413
William Thomas Widdowson ..	" 1	" ..	3334	Thomas Edward Taylor ..	" 1	" ..	3414
Alexander Walter Leask ..	" 1	" ..	3335	Eric Gordon Hammond ..	" 1	" ..	3415
Harold Morgan ..	" 1	" ..	3336	Nicholas Greenwell ..	" 1	" ..	3416
Thomas Hardwick ..	" 1	" ..	3337	John Keenan ..	" 1	" ..	3417
Abraham Wast ..	" 1	" ..	3338	William Alfred Sydney Gray ..	" 1	" ..	3418
Charles Stuart ..	" 1	" ..	3339	Hedley Muncaster France ..	" 1	" ..	3419
William Johnson ..	" 1	" ..	3340	Henry Hughes ..	" 1	" ..	3420
Thomas Frederick Butland ..	" 1	" ..	3341	John Young ..	" 1	" ..	3421
George Puckey ..	" 1	" ..	3342	Henry Stephenson ..	" 1	" ..	3422
James Knarston ..	" 1	" ..	3343	Frank Ramsey ..	" 1	" ..	3423
John Adamson Knarston ..	" 1	" ..	3344	John Senior Reynolds Woodhouse ..	" 1	" ..	3424
Richard Evanson Beamish ..	" 1	" ..	3345	Henry Roper Porter ..	" 1	" ..	3425
Norman William Naylor ..	" 1	" ..	3346	Lars Gibson ..	" 1	" ..	3426
Henry Pritchard ..	" 1	" ..	3347	Harold Christian Gibson ..	" 1	" ..	3427
Frederick Hayward ..	" 1	" ..	3348	Harry Shortt ..	" 1	" ..	3428
Edward Morton ..	" 1	" ..	3349	Andrew Anderson ..	" 1	" ..	3429
Ernest Payne ..	" 1	" ..	3350	Arthur Morgan ..	" 1	" ..	3430
Albert Clarence Jamieson ..	" 1	" ..	3351	Augustus Frederick Foot ..	" 1	" ..	3431
William John Kelly ..	" 1	" ..	3352	Lionel Hardiman ..	" 1	" ..	3432
Daniel Redwood ..	" 1	" ..	3353	Arthur Augustus Selwin Maxwell ..	" 1	" ..	3433
Walter Seymour ..	" 1	" ..	3354	Hone Teihi ..	" 1	" ..	3434
Whiu Himiona ..	" 1	" ..	3355	William Sidney McMillan ..	" 1	" ..	3435
Arthur Sidney Snook ..	" 1	" ..	3356	Henry Cornwell Christian ..	" 1	" ..	3436
Oscar Hugh Wright ..	" 1	" ..	3357	Charles Shalfoon ..	" 1	" ..	3437
George Blackwell ..	" 1	" ..	3358	George Alfred J. Wiseman ..	" 1	" ..	3438
Alexander Stuart ..	" 1	" ..	3359	Isaac James Bradley ..	" 1	" ..	3439
Archibald McCarthy ..	" 1	" ..	3360	Robert Sterling ..	" 1	" ..	3440
George McCarthy ..	" 1	" ..	3361	Arthur Lightfoot ..	" 1	" ..	3441
Frederick Ward ..	" 1	" ..	3362	Thor Matisen Brick ..	" 1	" ..	3442
Harry Gordon ..	" 1	" ..	3363	John Edgar ..	" 1	" ..	3443
Harvey Turner ..	" 1	" ..	3364	John Crawford McBride ..	" 1	" ..	3444
William Alfred Oldham ..	" 1	" ..	3365	Robert Holmes ..	" 1	" ..	3445
Bernt Alfred Arnisen ..	" 1	" ..	3366	Joshua Brown ..	" 1	" ..	3446
William McKay ..	" 1	" ..	3367	James Jackson ..	" 1	" ..	3447
John Thomas Heberley ..	" 1	" ..	3368	Herbert Roderique ..	" 1	" ..	3448
Robert John William Turner ..	" 1	" ..	3369	Mark Jurakovich ..	" 1	" ..	3449
Adam Palmer Hamilton ..	" 1	" ..	3370	Leonard Bennett ..	" 1	" ..	3450
William Alfred Irwin ..	" 1	" ..	3371	Albert Edward Hope ..	" 1	" ..	3451
Nicholas Gestro ..	" 1	" ..	3372	George Patchett ..	" 1	" ..	3452
George John James Clark ..	" 1	" ..	3373	John William Anderson ..	" 1	" ..	3453
Alexander McLeod ..	" 1	" ..	3374	Charles Norman ..	" 1	" ..	3454
George Swanson ..	" 1	" ..	3375	John Lavrick Nordstrond ..	" 1	" ..	3455
Thomas Hunter ..	" 1	" ..	3376	Joseph Hammond ..	" 1	" ..	3456
Thomas Anthony ..	" 1	" ..	3377	Phillip Hocquard ..	" 1	" ..	3457
Albert Palmerston Douslin ..	" 1	" ..	3378	Natate Diracca ..	" 1	" ..	3458
William Herivel ..	" 1	" ..	3379	Joseph Angelo ..	" 1	" ..	3459
Thomas Richards ..	" 1	" ..	3380	Edward Samuel Dent ..	" 1	" ..	3460
Herbert George Hool ..	" 1	" ..	3381	Edgar James Jones ..	" 1	" ..	3461
William Martin ..	" 1	" ..	3382	Walter Joseph Menzes ..	" 1	" ..	3462
William Hervey Cook ..	" 1	" ..	3383	William Hamilton ..	" 1	" ..	3463
Charles Hay Hepburn Stuart	" 1	" ..	3384	Arthur William Thomas Subritzky	" 1	" ..	3464
Forbes ..	" 1	" ..	3385	Richard Ward Veal ..	" 1	" ..	3465
Frank Williams ..	" 1	" ..	3386	James Kelly ..	" 1	" ..	3466
John William Taylor ..	" 1	" ..	3387	Thomas Frederick Atkins ..	" 1	" ..	3467
Leonard Cheriton ..	" 1	" ..	3388	Thomas Partridge ..	" 1	" ..	3468
Albert Rodley ..	" 1	" ..	3389	Charles Nelson ..	" 1	" ..	3469
Edward Courtenay Kenny ..	" 1	" ..	3390	Arthur Stephen Lane ..	" 1	" ..	3470
Walter August Thomsen ..	" 1	" ..	3391	Cecil Hayward ..	" 1	" ..	3471
William Reeves ..	" 1	" ..	3392	William John Coxhead ..	" 1	" ..	3472
Heremia te Wake ..	" 1	" ..	3393	Leonard John Dodd ..	" 1	" ..	3473
Henry Dangen ..	" 1	" ..	3393	Robert Ewing ..	" 1	" ..	3474

RETURN OF CERTIFICATES OF SERVICE AS MASTERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH 1912—continued.

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
Joseph Cuttance	1911. May 1	Restricted limits	3475	Bowman Toi	1911. May 17	Restricted limits	3555
Samuel Epiha	" 1	Ditto ..	3476	Roland Hunter	" 17	Ditto ..	3556
Harold Vincent Copeland Shearman	" 1	" ..	3477	Gerald Sainsbury Nairn	" 17	" ..	3557
William Thomas Goldie	" 1	" ..	3478	William Howroid Hemingway	" 17	" ..	3558
Herbert Middleton	" 1	" ..	3479	William McNeil	June 7	" ..	3559
Alexander Cowe	" 1	" ..	3480	Clark Welby Goodall	" 7	" ..	3560
Louis Godfrey	" 1	" ..	3481	Thomas Le Comte, jun.	" 7	" ..	3561
Adam Nixon	" 1	" ..	3482	Thomas Dalton McManaway, jun.	" 7	" ..	3562
David Roberts	" 1	" ..	3483	Nathan Alexander Harvey	" 7	" ..	3563
Herbert Robert Arthur	" 1	" ..	3484	George Saunders Penney	" 7	" ..	3564
Thomas Henry Wilson	" 1	" ..	3485	Dover Goddard Andrews	" 7	" ..	3565
Alexander Burt, jun.	" 1	" ..	3486	William Edward Wade	" 7	" ..	3566
Isaac Newton Harvey	" 1	" ..	3487	George Alban King	" 7	" ..	3567
Charles Murray Cowe	" 1	" ..	3488	William Henry Worrall	" 7	" ..	3568
Arthur James Blomfield	" 1	" ..	3489	Berry Cozens	" 7	" ..	3569
Alfred Walter Girling	" 1	" ..	3490	George Ravenhill	" 7	" ..	3570
David Reid	" 1	" ..	3491	William Kerby	" 7	" ..	3571
Gilbert Sanford	" 1	" ..	3492	Thomas James Storey	" 7	" ..	3572
John Thomas	" 1	" ..	3493	Carlo Smith	" 7	" ..	3573
Robert Nicholson Davies	" 1	" ..	3494	William Goodyear	" 7	" ..	3574
William Robert Twigg	" 1	" ..	3495	Walter Lauritz Borch	" 7	" ..	3575
Herbert Robert Foster	" 1	" ..	3496	Tonihi Palmer	" 7	" ..	3576
Edgar Stannard Cole	" 1	" ..	3497	Charles Bushett	" 7	" ..	3577
Walter Samuel Bailey	" 1	" ..	3498	Christopher Nevin	" 7	" ..	3578
William George Lowe	" 1	" ..	3499	William Alfred Bradley	" 7	" ..	3579
Constantine Marquis	" 1	" ..	3500	Joseph Haney	" 7	" ..	3580
George Olsson	" 1	" ..	3501	Thomas Norman Brocas	" 7	" ..	3581
Frank Bell	" 1	" ..	3502	John Arthur Crump	" 7	" ..	3582
John Howe	" 1	" ..	3503	Walter Clifford	" 7	" ..	3583
Ernest Alfred Howe	" 1	" ..	3504	Patrick James Dowling	" 7	" ..	3584
Henry Ingram Insley	" 1	" ..	3505	Richard Charles Underwood	" 7	" ..	3585
William Peter Bronlund	" 1	" ..	3506	Richard Lidstone Paige	" 7	" ..	3586
Albert Bray	" 1	" ..	3507	James Hamilton	" 7	" ..	3587
Nicholas Bentzon	" 1	" ..	3508	Peter John Hugh Munro	" 7	" ..	3588
Edward Stillwell	" 1	" ..	3509	James Cope	" 7	" ..	3589
Huntley Wilbert Howden	" 1	" ..	3510	Carl Ludwig Hansen	May 27	" ..	3590
Henry Arthur Haseman	" 1	" ..	3511	Isaac William Turner	June 29	" ..	3220
George Hodgson	" 1	" ..	3512	James John Boniface	July 23	" ..	3592
Albert Mokomoko	" 1	" ..	3513	Frederick Alfred Hansen	" 23	" ..	3593
Ernest Henry Chamberlin	" 1	" ..	3514	William Thomas Wheatley	" 23	" ..	3594
Adam Albert Dawson	" 1	" ..	3515	Ernest Schenkel	" 23	" ..	3595
Martha Beamish	" 1	" ..	3516	Joseph Hoi Wells	" 23	" ..	3596
William Thomas Smith	" 1	" ..	3517	George Frederick Spooner	" 23	" ..	3597
Duncan Murphy	" 1	" ..	3518	George Bastin Mead	" 23	" ..	3598
William Bond	" 1	" ..	3519	Rameka James Cope	" 23	" ..	3599
Henry Bond	" 1	" ..	3520	Thomas McPike	" 23	" ..	3600
Robert Taylor Morrison	" 1	" ..	3521	Joseph Edward Kassy	" 23	" ..	3601
Joseph Mitchell Nordstrand	" 1	" ..	3522	William John Gribble	" 23	" ..	3602
Vivian Frederick McLeod	" 1	" ..	3523	Benjamin Patrick McCouley	" 23	" ..	3603
James Frederick Ross	" 1	" ..	3524	Arthur Colman	" 23	" ..	3604
William Alexander Darrach	" 1	" ..	3525	William Michel Baker	" 23	" ..	3605
Cecil Arthur Whitney	" 1	" ..	3526	Andrew Gordon Hodge	" 23	" ..	3606
William Schutt	" 1	" ..	3527	James Sinclair	" 27	" ..	3607
James Reece	" 1	" ..	3528	Thomas Dalton McManaway	" 23	" ..	3608
James David Foote	" 1	" ..	3529	John Roland Hope	" 23	" ..	3609
Archibald Glyn Fell	" 1	" ..	3530	Joseph Solloway Lane	" 23	" ..	3610
Charles Burt	" 1	" ..	3531	John Edward Glover	" 23	" ..	3611
Alfred George Patterson	" 1	" ..	3532	Valentine Albert Ernest Rickoord	" 23	" ..	3612
George Pearson	" 1	" ..	3533	Hans Christian Nilsen	" 23	" ..	3613
James Bateman	" 1	" ..	3534	Walter Robertson	" 23	" ..	3614
Charles Northwood	" 17	" ..	3535	Edward Tennyson Greensill	" 23	" ..	3615
William Harold Corbett	" 17	" ..	3536	Walter Mills	Aug. 18	" ..	3616
Leonard England Schmidt	" 17	" ..	3537	Robert Charles Harvey	" 18	" ..	3617
Arthur Thomas Maunder	" 17	" ..	3538	Charles August Borch	" 18	" ..	3618
David Wybrow	" 17	" ..	3539	Clarence Lawson Lane	" 18	" ..	3619
Vincenzo Moleta	" 17	" ..	3540	William Jones	" 18	" ..	3620
Antonio Moleta	" 17	" ..	3541	James Cochran Nixon	" 18	" ..	3621
Domenico Russo	" 17	" ..	3542	William Morrison	" 18	" ..	3622
Arthur William McNabb	" 17	" ..	3543	Henry Tuke	" 18	" ..	3623
George James Gordon	" 17	" ..	3544	Charles George Lee	" 18	" ..	3624
David Stuart	" 17	" ..	3545	Alexander Duncan Goodall	" 18	" ..	3625
Joseph Edward Paddison	" 17	" ..	3546	William Boyle Bennett	" 18	" ..	3626
William Lee	" 17	" ..	3547	Edward Wallbank	" 18	" ..	3627
Robert Richard White	" 17	" ..	3548	John Whitney	" 18	" ..	3628
John Holbrook Welsford	" 17	" ..	3549	Alice May Whitney	" 18	" ..	3629
Francis William McGowan	" 17	" ..	3550	Niccoless Henry George Munro	" 18	" ..	3630
Arthur Kingsford Jeffs	" 17	" ..	3551	Harold Vivian Ramsey	" 18	" ..	3631
John William Perano	" 17	" ..	3552	William Garton, jun.	" 18	" ..	3632
Victor John Bryers	" 17	" ..	3553	George Vanse	" 18	" ..	3633
Harold Cedric Osborne	" 17	" ..	3554	John Frederick Owen Passan	" 18	" ..	3634
				William Hutchinson	" 18	" ..	3635

RETURN OF CERTIFICATES OF SERVICE AS MASTERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—*continued.*

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
Walter Leslie Bayliss ..	1911. Aug. 18	Restricted limits	3636	Daniel Scelly ..	1911. Oct. 6	Restricted limits	3717
John Glasgow ..	18	Ditto ..	3637	Walter Hamilton ..	6	Ditto ..	3718
Ernest Victor Johnson ..	18	" ..	3638	Cecil Edgar Borek ..	6	" ..	3719
John Robertson ..	18	" ..	3639	David Davis ..	6	" ..	3720
Jonathan Ralph Blackwell ..	18	" ..	3640	Thomas Henry Scandrett ..	6	" ..	3721
Percy Neame ..	18	" ..	3641	Edward Shenkel ..	6	" ..	3722
George Wadsworth ..	18	" ..	3642	William John Grundy ..	6	" ..	3723
Donald Sutherland ..	18	" ..	3643	Samuel Barr ..	6	" ..	3724
Edward Arthur Harvey ..	18	" ..	3644	Charles Henry Hough ..	6	" ..	3725
Edward William Tait ..	18	" ..	3645	James Henderson ..	6	" ..	3726
Percy James McLeod ..	18	" ..	3646	Albert Edward Jennings ..	6	" ..	3727
Horace Chadwick ..	18	" ..	3647	Justley Charles William Hill ..	6	" ..	3728
Harold John Hutchinson ..	18	" ..	3648	George Albert Gamman ..	6	" ..	3729
Thomas Little ..	18	" ..	3649	Kareti Taharangi ..	6	" ..	3730
Abner Russell ..	18	" ..	3650	Alexander Gilbertson ..	6	" ..	3731
Albert George Eagle ..	18	" ..	3651	Joseph Wilfrid Senior ..	6	" ..	3732
William Frederick Eagle ..	18	" ..	3652	John Bragg, jun. ..	6	" ..	3733
Allan John Woodman ..	18	" ..	3653	David Kelly ..	6	" ..	3734
Richard Norman Woodman ..	18	" ..	3654	Samuel Knowles ..	6	" ..	3735
Frederick Woldon Stringer ..	18	" ..	3655	Edward Robert Whitechurch ..	6	" ..	3736
Arthur Schenkel ..	18	" ..	3656	Alexander Charles McKay ..	6	" ..	3737
Thomas Lumsden Millar ..	18	" ..	3657	Otto Hjalmar Gustafsson ..	6	" ..	3738
Thomas Jabez Gullery ..	18	" ..	3658	Henry Barrett Rose ..	6	" ..	3739
Joseph Weldon Heberd ..	18	" ..	3659	Frank Cuthbert White ..	6	" ..	3740
Austin Loder ..	18	" ..	3660	William James Lloyd ..	6	" ..	3741
John Joseph Grupin ..	18	" ..	3661	Arthur Douglas Woolf ..	11	" ..	3742
Charles Frederick Turner ..	18	" ..	3662	Richard Albert Ellington Wade ..	11	" ..	3743
Godfrey McNabb ..	18	" ..	3663	George Henry Bennett ..	11	" ..	3744
Henry Duncan Goldsworthy ..	18	" ..	3664	Alfred Harold George Shaw ..	11	" ..	3745
Henry Hopper Adams ..	18	" ..	3665	Toitoi Maki ..	11	" ..	3746
Henry Gallagher ..	18	" ..	3666	George Edward Robinson ..	11	" ..	3747
James Alfred Vernon ..	18	" ..	3667	Robert William Wells ..	11	" ..	3748
Carl Johan Norberg ..	18	" ..	3668	John Todd ..	11	" ..	3749
James Henry Crapper ..	18	" ..	3669	Percy Charles Tiller ..	11	" ..	3750
Joseph Alfred Grossi ..	18	" ..	3670	David Richard Paul ..	11	" ..	3751
Charles Evans Ferry ..	18	" ..	3671	William Edward Redman ..	11	" ..	3752
John Campbell ..	18	" ..	3672	George Wells ..	11	" ..	3753
Martin te Wake ..	18	" ..	3673	Daniel Eli Wells ..	11	" ..	3754
George Francis Wilson ..	18	" ..	3674	Arthur Charles Gibbons ..	11	" ..	3755
Albert Henry Bentley ..	18	" ..	3675	Ernest Richard Lane ..	11	" ..	3756
Frederick Nicholls ..	18	" ..	3676	Albert Edward Silcock ..	11	" ..	3757
Hone Toia ..	18	" ..	3677	Francis Robert Nichols ..	11	" ..	3758
James Howard ..	18	" ..	3678	James Lennan ..	11	" ..	3759
Douglas Augustus Allwood ..	18	" ..	3679	Daniel Fleming Watson ..	11	" ..	3760
Frederic Hugh Dodson ..	18	" ..	3680	George Campbell ..	Nov. 3	" ..	3761
William Robert Patterson ..	18	" ..	3681	Joseph James Gough ..	3	" ..	3762
Horace Alfred Lane ..	18	" ..	3682	Robert Joseph Allely ..	3	" ..	3763
Morgan Carkeek ..	18	" ..	3683	George Adam Blackwell ..	3	" ..	3764
Thomas Lauritz Borek ..	18	" ..	3684	Francis Archibald Nixon Newitt ..	3	" ..	3765
William James Pollock ..	18	" ..	3685	Charles Frederick Shaw ..	3	" ..	3766
Arthur Octavius Lapwood ..	18	" ..	3686	John Webber ..	3	" ..	3767
Andrew Godfrey William Stuart ..	18	" ..	3687	John Hastings ..	3	" ..	3768
Arnold Cecil Wallace ..	18	" ..	3688	James Albert Silvester ..	3	" ..	3769
James Sinclair ..	Sept. 20	" ..	3689	William Bailey ..	3	" ..	3770
Luther Hare ..	20	" ..	3690	Leonard Metcalfe Lane ..	3	" ..	3771
Edward Collett ..	20	" ..	3691	Maurice Topi ..	3	" ..	3772
Robert Agrippa Waitiri ..	20	" ..	3692	Thomas Drew ..	3	" ..	3773
Edward Lapwood ..	20	" ..	3693	James Moore ..	3	" ..	3774
Richard Adam James Nixon ..	20	" ..	3694	George Lacy Moody ..	3	" ..	3775
William James Connell ..	20	" ..	3695	Welby Vivian Hadfield ..	3	" ..	3776
Charles Howard Nicholls ..	20	" ..	3696	James Pennington Bates ..	3	" ..	3777
Carl Schrader ..	20	" ..	3697	William Stewart ..	3	" ..	3778
John Gillibrand ..	20	" ..	3698	Thomas Le Huquet ..	3	" ..	3779
John Kelsey ..	20	" ..	3699	Richmond Anthony Palamountain ..	3	" ..	3780
Albert Bennett White ..	20	" ..	3700	Thomas Alexander Franklin ..	3	" ..	3781
Percy Vivian Flexman ..	20	" ..	3701	George Thomas Clifford ..	3	" ..	3782
Francis Leonard Taylor ..	20	" ..	3702	Frank Lewin Gibbons ..	3	" ..	3783
Frank Kemp Morris ..	20	" ..	3703	John Smith ..	3	" ..	3784
William Coupe ..	20	" ..	3704	Frederick William Bell ..	3	" ..	3785
James Cotter ..	20	" ..	3705	Alfred Horace Wells ..	3	" ..	3786
Herbert Pasquale Clarke ..	20	" ..	3706	Edward Adams ..	3	" ..	3787
James Herbert Wheatley ..	20	" ..	3707	Harry Blundell ..	3	" ..	3788
Robert John Houghton ..	20	" ..	3708	Angus Newton Gibbons ..	3	" ..	3789
Eustace Houghton ..	20	" ..	3709	John William Dougall ..	3	" ..	3790
James O'Malley ..	20	" ..	3710	Joseph Potter ..	3	" ..	3791
George Hill ..	20	" ..	3711	Nicholas Keyser ..	3	" ..	3792
David Faulkner ..	20	" ..	3712	Joseph William Bragg ..	3	" ..	3793
Henry Archibald Williams ..	20	" ..	3713	Edward James McAuley ..	3	" ..	3795
Richard Lawrence ..	20	" ..	3714	Thomas Stear Boucher ..	3	" ..	3796
Levi Lionel Collins Dodd ..	20	" ..	3715	William Mapple ..	3	" ..	3797
Arthur Earle Elliars Dodd ..	20	" ..	3716	George Nicholls Millett ..	3	" ..	3798

RETURN OF CERTIFICATES OF SERVICE AS MASTERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—continued.

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
1911.				1911.			
Noble Johnston	Nov. 3	Restricted limits	3799	Alec Christopher Thompson ..	Dec. 19	Restricted limits	3873
James William Silcock	" 3	Ditto ..	3800	Alfred Charles Gibbs	" 19	Ditto ..	3874
Thomas William Nield	" 3	" ..	3801	Albert Edward Cresswell	" 19	" ..	3875
Albert Edward Anthony Nield ..	" 3	" ..	3802	Alfred Henry Scott	" 19	" ..	3876
Arthur Benjamin Cox	" 3	" ..	3803	Philip Oswald Andrew	" 19	" ..	3877
Frank James Evetts	" 3	" ..	3804	Albert Edward Dunstall	" 19	" ..	3878
Bruce Stewart	" 3	" ..	3805	Thomas Thompson	" 19	" ..	3879
Orlando Roland Harold Wells ..	Dec. 19	" ..	3806	Frederick William Nalder	" 19	" ..	3880
Herbert Allison Paddison	" 19	" ..	3807	William James Ledder	" 19	" ..	3881
Charles Pestell Harris	" 19	" ..	3808	David Hamilton	" 19	" ..	3882
Walter Guy Witheford	" 19	" ..	3809	Garnet Bruce Mackie	" 19	" ..	3883
George Taylor	" 19	" ..	3810	Robert Cyril Williamson	" 19	" ..	3884
William Sumpter Harris	" 19	" ..	3811	Frederick Charles Coventry Fells ..	" 19	" ..	3885
Edward Headley Harris	" 19	" ..	3812	1912.			
William Henry Edmund Fenwick ..	" 19	" ..	3813	Clifford Douglas Warren	Feb. 24	" ..	3886
Takarangi Keenan	" 19	" ..	3814	1911.			
Levi Keenan	" 19	" ..	3815	Charles James Vincent	Dec. 19	" ..	3887
Jack Love	" 19	" ..	3816	William Masefield	" 19	" ..	3888
Mack Love	" 19	" ..	3817	Alfred Wicks	" 19	" ..	3889
Arthur Maxwell Oliver	" 19	" ..	3818	William Arthur Williams	" 19	" ..	3890
Frederick Cook	" 19	" ..	3819	Harold Le Grieve	" 19	" ..	3891
James Johnson	" 19	" ..	3820	Stanley Stillwell	" 19	" ..	3892
Kuru Love	" 19	" ..	3821	Charles Woods	" 19	" ..	3893
George Henry Bragg	" 19	" ..	3822	Frederick William Williams	" 19	" ..	3894
John Thomas Fenwick	" 19	" ..	3823	William Harrison	" 19	" ..	3895
Henry Symonds Beer	" 19	" ..	3824	John James Webb	" 19	" ..	3896
William Richard Owen Wells ..	" 19	" ..	3825	Hector Martin	" 19	" ..	3897
George Alymer Mervyn Kenny ..	" 19	" ..	3826	Glasgow Love	" 19	" ..	3898
Charles Eric Thompson	" 19	" ..	3827	Alfred Johnson	" 19	" ..	3899
Peter John Donaldson	" 19	" ..	3828	John Hawkins	" 19	" ..	3900
Ludovic Cliffe Colquhoun	" 19	" ..	3829	David Perano	" 19	" ..	3901
John Spilsbury	" 19	" ..	3830	Frank Carrick	" 19	" ..	3902
James Frank Percival Howden ..	" 19	" ..	3831	Charles Francis Frederick Blake ..	" 19	" ..	3903
Harold Breese	" 19	" ..	3832	William Woodgate	" 19	" ..	3904
Charles Wright	" 19	" ..	3833	Charles Joseph Back	" 19	" ..	3905
Alfred Robert Foote	" 19	" ..	3834	George Tulloch	" 19	" ..	3906
Hugh Alexander McCormick	" 19	" ..	3835	Daniel Barach	" 19	" ..	3907
Donald McCormick	" 19	" ..	3836	Albert Josephus Craig	" 19	" ..	3908
Arthur Coleridge Seymour	" 19	" ..	3837	Ernest Alfred Southerwood	" 19	" ..	3909
Henry Berg	" 19	" ..	3838	Charles Isaac Manning	" 19	" ..	3910
Woolsey Allen, jun.	" 19	" ..	3839	Thomas Lawrence Burden	" 19	" ..	3911
Alfred Wynn Bishop	" 19	" ..	3840	Samuel Kirkpatrick	" 19	" ..	3912
James Houghton	" 19	" ..	3841	John Alfred Webb	" 19	" ..	3913
Owen Arthur Taylor	" 19	" ..	3842	Stanley Myott Wiggins	" 19	" ..	3914
John Alexander McNeil	" 19	" ..	3843	William George Evans	" 19	" ..	3915
George Gaynor	" 19	" ..	3844	John Harties Faulkner	" 19	" ..	3916
Thomas Wallen	" 19	" ..	3845	George Hardiman	" 19	" ..	3917
Peter Bowker	" 19	" ..	3846	William Joseph Marsden	" 19	" ..	3918
Desmond Royden Walker	" 19	" ..	3847	Edwin Warmington	" 19	" ..	3919
Harry Taylor	" 19	" ..	3848	Fairleigh Marriner	" 19	" ..	3920
Bernard Demicheli	" 19	" ..	3849	Stewart Macdonald	" 19	" ..	3921
John Smith	" 19	" ..	3850	Hone Tautahi Pita	" 19	" ..	3922
Edward Fullerton Dorman	" 19	" ..	3851	William Arthur D'Oridant	" 19	" ..	3923
Rupert Rennie Woodcock	" 19	" ..	3852	Thomas Crockett	" 19	" ..	3924
Patrick Henry	" 19	" ..	3853	William Henry Sunderland	" 19	" ..	3925
Charles James Collings	" 19	" ..	3854	Tuiri te Koau	" 19	" ..	3926
Arthur Daken	" 19	" ..	3855	Rua Williams	" 19	" ..	3927
Ivor te Puni	" 19	" ..	3856	Akuhata Toitaha	" 19	" ..	3928
John Valentine Soffe	" 19	" ..	3857	Henare Aterea	" 19	" ..	3929
Watkin Thomas	" 19	" ..	3858	William Hapi Chase	" 19	" ..	3930
Alfred Stuart	" 19	" ..	3859	Wairangi Thomas	" 19	" ..	3931
James Knowles	" 19	" ..	3860	Lewis Allan O'Neill	" 19	" ..	3932
John Alexander	" 19	" ..	3861	Donald McGregor	" 19	" ..	3933
Thomas Edward Montgomery	" 19	" ..	3862	Herbert Wilson	" 19	" ..	3934
William Sinton	" 19	" ..	3863	John Smith	" 19	" ..	3935
Alfred Thomas Bell	" 19	" ..	3864	1912.			
Joseph Waterrens	" 19	" ..	3865	Peter Petersen	Feb. 22	" ..	3936
Jacob Isaiah Potiki	" 19	" ..	3866	Laurence East	" 22	" ..	3937
James Campbell	" 19	" ..	3867	Abraham Percy Harvey	" 22	" ..	3938
George Hawkins	" 19	" ..	3868	Percy Edwin Mills	" 22	" ..	3939
James Adamson	" 19	" ..	3869	Clarence Harvey Mills	" 22	" ..	3940
Thomas Stanley Adamson	" 19	" ..	3870	John Nicholls	" 22	" ..	3941
Donald John McKay	" 19	" ..	3871	Matthew Carroll	" 22	" ..	3942
Charles Frederick Nelson	" 19	" ..	3872	Watson Oxley	" 22	" ..	3943

RETURN OF CERTIFICATES OF SERVICE AS ENGINEERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912.

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
William Saunders	1911. May 1	Restricted limits	1073	Richard Arthur Northwood ..	1911. May 1	Restricted limits	1153
James Crosbie Martin ..	" 1	Ditto ..	1074	Emilius George Le Roy ..	" 1	Ditto ..	1154
George Poole ..	" 1	" ..	1075	John Gould ..	" 1	" ..	1155
Joseph Hodgson ..	" 1	" ..	1076	John Snowball ..	" 1	" ..	1156
Herbert Howeth Mountain ..	" 1	" ..	1077	Edward Spargo ..	" 1	" ..	1157
Alfred Ernest Fuller ..	" 1	" ..	1078	James Phillip Bennett ..	" 1	" ..	1158
Walter Clapham Mountain ..	" 1	" ..	1079	Thomas Donovan ..	" 1	" ..	1159
Charlie Edward Serle ..	" 1	" ..	1080	Ernest Woodward Boucher ..	" 1	" ..	1160
Leonard Sidney Irving ..	" 1	" ..	1081	Daniel Robinson ..	" 1	" ..	1161
Arthur Percival Blundell ..	" 1	" ..	1082	John Thomas Hay ..	" 1	" ..	1162
William Gould ..	" 1	" ..	1083	James Gibb ..	" 1	" ..	1163
John Bernard Andrews ..	" 1	" ..	1084	Robert Gibb ..	" 1	" ..	1164
Frederick Albert Newton ..	" 1	" ..	1085	Matthew Gibb ..	" 1	" ..	1165
Selwyn Robert Hardiman ..	" 1	" ..	1086	George Richard De Thierry ..	" 1	" ..	1166
Frank Andrewes ..	" 1	" ..	1087	William Henry Saies, jun. ..	" 1	" ..	1167
James Henry Rigden ..	" 1	" ..	1088	William Brown ..	" 1	" ..	1168
James Toi ..	" 1	" ..	1089	Albert Cecil Clark ..	" 1	" ..	1169
Henry John Baxter ..	" 1	" ..	1090	John Wilson Brownlee ..	" 1	" ..	1170
Timothy Watson ..	" 1	" ..	1091	John Hutley ..	" 1	" ..	1171
Carl Johan Brunzell ..	" 1	" ..	1092	Richard Cossill ..	" 1	" ..	1172
Selwyn Hardiman Watkins ..	" 1	" ..	1093	Harold Brouse Grant ..	" 1	" ..	1173
William Watkins ..	" 1	" ..	1094	Isaac William Turner ..	" 1	" ..	1174
Michael James Danaher ..	" 1	" ..	1095	George Ferguson Andrews ..	" 1	" ..	1175
Charles Herbert Eyes ..	" 1	" ..	1096	Otto Nickel ..	" 1	" ..	1176
Sinclair William Ridland ..	" 1	" ..	1097	Edward John Samuel ..	" 1	" ..	1177
Thomas Cyril Broadbridge ..	" 1	" ..	1098	Samuel Viall ..	" 1	" ..	1178
Charles Ludwig Erickson ..	" 1	" ..	1099	Albert Henry Bowman ..	" 1	" ..	1179
William John Berg ..	" 1	" ..	1100	John Pearson Coulter ..	" 1	" ..	1180
William Herbert Gillice ..	" 1	" ..	1101	Alfred Billing ..	" 1	" ..	1181
George Thomas Clendon ..	" 1	" ..	1102	William Hill Blott ..	" 1	" ..	1182
Walter Heberley ..	" 1	" ..	1103	Arthur Francis Leader ..	" 1	" ..	1183
Harry Young ..	" 1	" ..	1104	Charles Henry Jennings Clare ..	" 1	" ..	1184
William Alfred Sydney Gray ..	" 1	" ..	1105	Henry Barton ..	" 1	" ..	1185
Harold Christian Gibson ..	" 1	" ..	1106	Charles Watkinson ..	" 1	" ..	1186
Arthur Morton ..	" 1	" ..	1107	William James Belcher ..	" 1	" ..	1187
Arthur Morgan ..	" 1	" ..	1108	Konrad Altherr ..	" 1	" ..	1188
Ernest Christopher Arlidge ..	" 1	" ..	1109	Thomas Ernest Short ..	" 1	" ..	1189
Arthur Augustus Selwin Maxwell ..	" 1	" ..	1110	Edward Norton Boulton ..	" 1	" ..	1190
Thomas Joseph Cook ..	" 1	" ..	1111	Charles William White ..	" 1	" ..	1191
Margaret Kate Baker ..	" 1	" ..	1112	Frederick William Newton ..	" 1	" ..	1192
Alfred Henry Morgan ..	" 1	" ..	1113	Arthur Henry Macartney ..	" 1	" ..	1193
Septimus Reginald Smith ..	" 1	" ..	1114	Herbert John Franklyn Heley ..	" 1	" ..	1194
Alfred George Baggett ..	" 1	" ..	1115	Samuel Walter Morgan ..	" 1	" ..	1195
William James Irwin ..	" 1	" ..	1116	John Hawthorn McCarroll ..	" 1	" ..	1196
Edward Parsons ..	" 1	" ..	1117	Charles Willoughby Leyland ..	" 1	" ..	1197
James Arthur Clark ..	" 1	" ..	1118	Robert Coulson ..	" 1	" ..	1198
Emma Guard ..	" 1	" ..	1119	William Henry McFarlane ..	" 1	" ..	1199
Herman Baldick ..	" 1	" ..	1120	Gerard Arnold Ward ..	" 1	" ..	1201
George Thomas Reid ..	" 1	" ..	1121	Charles Gilbert Pool ..	" 1	" ..	1202
George Gordon Way ..	" 1	" ..	1122	John Alexander Pool ..	" 1	" ..	1203
Andrew Anderson ..	" 1	" ..	1123	William Charles Pool ..	" 1	" ..	1204
William Tubbs ..	" 1	" ..	1124	Charles James Millar ..	" 1	" ..	1205
Richard Daniel Cook ..	" 1	" ..	1125	Howard John Hare ..	" 1	" ..	1206
Henry Charles King ..	" 1	" ..	1126	William John Hare ..	" 1	" ..	1207
Thomas Henry Lee ..	" 1	" ..	1127	James Milne ..	" 1	" ..	1208
Frederick Henry Alexander ..	" 1	" ..	1128	Guy Henry Hargreaves Jackman ..	" 1	" ..	1209
Benjamin Bailey ..	" 1	" ..	1129	Harry Bush ..	" 1	" ..	1210
George James Baldick ..	" 1	" ..	1130	James Allison Stein Hemphill ..	" 1	" ..	1211
Frederick Ernest Nicholls ..	" 1	" ..	1131	Arthur John Henderson ..	" 1	" ..	1212
Garnet Bruce Mackie ..	" 1	" ..	1132	John Daniel Henderson ..	" 1	" ..	1213
Demetrius Koinomopolos ..	" 1	" ..	1133	John William James Stirling ..	" 1	" ..	1214
William Henry Harvey ..	" 1	" ..	1134	William Haora ..	" 1	" ..	1215
Richard Henry Harnett ..	" 1	" ..	1135	John Alexander Leask ..	" 1	" ..	1216
George Edwin Whelch ..	" 1	" ..	1136	Harold Percy Burgess ..	" 1	" ..	1217
William Sutherland ..	" 1	" ..	1137	Robert Brown ..	" 1	" ..	1218
William Dowell ..	" 1	" ..	1138	Edward Harrison ..	" 1	" ..	1219
George Henry Herring ..	" 1	" ..	1139	Arthur Sylvester Turner ..	" 1	" ..	1220
Maurice Roose ..	" 1	" ..	1140	Edmond John Frost ..	" 1	" ..	1221
Richard Evanson Beamish ..	" 1	" ..	1141	Frederick Russell Sanderson ..	" 1	" ..	1222
Robert Sharon Turner ..	" 1	" ..	1142	William Arthur Watkins ..	" 1	" ..	1223
Robert Caven ..	" 1	" ..	1143	Frederick Morgan ..	" 1	" ..	1224
Frederick James Foot ..	" 1	" ..	1144	Wilfred Morgan ..	" 1	" ..	1225
Frederick Woodcock ..	" 1	" ..	1145	Puhipi Murray ..	" 1	" ..	1226
Arthur James Iles ..	" 1	" ..	1146	Edgar Selwyn Hope ..	" 1	" ..	1227
Frank Peter Flinn ..	" 1	" ..	1147	Willie Johnson ..	" 1	" ..	1228
George Henry Cory Wright ..	" 1	" ..	1148	John Lupton ..	" 1	" ..	1229
Thorwald August Johnson ..	" 1	" ..	1149	Geoffrey Noel Henning ..	" 1	" ..	1230
George Henry Cox ..	" 1	" ..	1150	William Dawson ..	" 1	" ..	1231
Herbert Shepherd ..	" 1	" ..	1151	Frederick William Meyer ..	" 1	" ..	1232
William Henry Stuart ..	" 1	" ..	1152	Bernt Alfred Arnisen ..	" 1	" ..	1233

RETURN OF CERTIFICATES OF SERVICE AS ENGINEERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—continued.

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
1911.				1911.			
Thomas Irwin	May 1	Restricted limits	1234	Henry Archibald Williams ..	May 1	Restricted limits	1314
Walter Thomas Webber ..	" 1	Ditto ..	1235	Edward Berg	" 1	Ditto ..	1315
Edward Nelder	" 1	" ..	1236	Alexander John Glasgow ..	" 1	" ..	1316
Alfred Albert William Yates ..	" 1	" ..	1237	Thomas Herbert Kelsey ..	" 1	" ..	1317
Ernest Henry Miller Bagley ..	" 1	" ..	1238	Bernard Boese	" 1	" ..	1318
Alfred Edwin Bartley	" 1	" ..	1239	Stephen Paine Brown ..	" 1	" ..	1319
Edward George Clark	" 1	" ..	1240	Thomas Edward Taylor ..	" 1	" ..	1320
Ivan Hows	" 1	" ..	1241	Cæsar Roose	" 1	" ..	1321
James Baldick	" 1	" ..	1242	Eric Gordon Hammond ..	" 1	" ..	1322
Alfred Wright	" 1	" ..	1243	Nicholas Greenwell ..	" 1	" ..	1323
Henry Everitt	" 1	" ..	1244	Augustus Frederick Foot ..	" 1	" ..	1324
Cecil Bruce Walrond	" 1	" ..	1245	George Thomas Clifford ..	" 1	" ..	1325
Claude Wells	" 1	" ..	1246	Walter August Thomsen ..	" 1	" ..	1326
Anton Middendorf	" 1	" ..	1247	John Gray	" 1	" ..	1327
John Lapwood	" 1	" ..	1248	William Daniel Payne ..	" 1	" ..	1328
William Jonathan Scott ..	" 1	" ..	1249	William Henry Perano ..	" 1	" ..	1329
Joseph Tito	" 1	" ..	1250	Harold Owen Hayward ..	" 1	" ..	1330
Edwin Harrison	" 1	" ..	1251	Richard Nightingale ..	" 1	" ..	1331
Harry Oriano Grandi Haylock ..	" 1	" ..	1252	William Arthur Reddish ..	" 1	" ..	1332
William Howroyd Hemingway ..	" 1	" ..	1253	Hugh Pollock	" 1	" ..	1333
Ernest Prescott	" 1	" ..	1254	William McQueen	" 1	" ..	1334
Frederick Hope	" 1	" ..	1255	George Arthur Howe ..	" 1	" ..	1335
Arthur Edward Meikle ..	" 1	" ..	1256	John Sweeney	" 1	" ..	1336
Percy Walter Bell	" 1	" ..	1257	Richard Jackson	" 1	" ..	1337
William Henry Berg	" 1	" ..	1258	George Shalfoon	" 1	" ..	1338
Charles Albert Durham ..	" 1	" ..	1259	Robert Anthony Hill ..	" 1	" ..	1339
John James McIntosh	" 1	" ..	1260	Frederick Sterling ..	" 1	" ..	1340
Frederick Hayward	" 1	" ..	1261	George Henry Green ..	" 1	" ..	1341
Edward Morton	" 1	" ..	1262	William Willison Murray ..	" 1	" ..	1342
Ernest Payne	" 1	" ..	1263	William Lewis Phipps ..	" 1	" ..	1343
Daniel Redwood	" 1	" ..	1264	Thomas Frederick Butland ..	" 1	" ..	1344
Walter Seymour	" 1	" ..	1265	Richard Alfred Northwood ..	" 1	" ..	1345
Whiu Himiona	" 1	" ..	1266	Leonard Bennett	" 1	" ..	1346
Arthur Sidney Snook	" 1	" ..	1267	Albert Edward Hope ..	" 1	" ..	1347
Oscar Hugh Wright	" 1	" ..	1268	George Patchett	" 1	" ..	1348
George Blackwell	" 1	" ..	1269	John William Anderson ..	" 1	" ..	1349
Archibald McCarthy	" 1	" ..	1270	Charles Norman	" 1	" ..	1350
George McCarthy	" 1	" ..	1271	John Lavrick Nordstrand ..	" 1	" ..	1351
Frederick Ward	" 1	" ..	1272	Joseph Hammond	" 1	" ..	1352
George John James Clark ..	" 1	" ..	1273	Phillip Hocquard	" 1	" ..	1353
Alexander McLeod	" 1	" ..	1274	Natale Diracca	" 1	" ..	1354
George Swanson	" 1	" ..	1275	Joseph Angelo	" 1	" ..	1355
Thomas Antony	" 1	" ..	1276	Edward Samuel Dent ..	" 1	" ..	1356
Albert Palmerston Douslin ..	" 1	" ..	1277	Edgar James Jones	" 1	" ..	1357
William Herivel	" 1	" ..	1278	Walter Joseph Menges ..	" 1	" ..	1358
Thomas Richards	" 1	" ..	1279	William Hamilton	" 1	" ..	1359
William Martin	" 1	" ..	1280	Arthur William Thomas Subritzky	" 1	" ..	1360
William Hervey Cook ..	" 1	" ..	1281	Richard Ward Veal	" 1	" ..	1361
Charles Hay Hepburn Stuart-Forbes	" 1	" ..	1282	James Kelly	" 1	" ..	1362
Frank Williams	" 1	" ..	1283	Thomas Frederick Atkins ..	" 1	" ..	1363
Albert Josephus Craig	" 1	" ..	1284	Thomas Partridge	" 1	" ..	1364
John William Taylor	" 1	" ..	1285	Charles Nelson	" 1	" ..	1365
Leonard Cheriton	" 1	" ..	1286	Cecil Hayward	" 1	" ..	1366
Richard Anthony Palamountain	" 1	" ..	1287	William John Coxhead ..	" 1	" ..	1367
Albert Rodley	" 1	" ..	1288	Leonard John Dodd	" 1	" ..	1368
Edward Courtney Kenny ..	" 1	" ..	1289	Joseph Cuttance	" 1	" ..	1369
William Reeves	" 1	" ..	1290	Samuel Epiha	" 1	" ..	1370
Charlie Diaz	" 1	" ..	1291	Harold Vincent Copeland Shearman	" 1	" ..	1371
Heremia te Wake	" 1	" ..	1292	Robert Cyril Williamson ..	" 1	" ..	1372
Henry Dangen	" 1	" ..	1293	James Brookland	" 1	" ..	1373
John James Barfield Gullyery	" 1	" ..	1294	Thomas Edgar Jensen ..	" 1	" ..	1374
John Hall Galloway	" 1	" ..	1295	Thomas Henry Wilson ..	" 1	" ..	1375
Joseph Fell	" 1	" ..	1296	Alexander Burt, jun. ..	" 1	" ..	1376
Charles Eyes	" 1	" ..	1297	Isaac Newton Harvey ..	" 1	" ..	1377
George Wright	" 1	" ..	1298	Charles Murray Cowe ..	" 1	" ..	1378
Herbert Halliwell	" 1	" ..	1299	Arthur James Blomfield ..	" 1	" ..	1379
William Ansdell Leech	" 1	" ..	1300	Alfred Walter Girling ..	" 1	" ..	1380
Charles Winsbury Philpotts ..	" 1	" ..	1301	David Reid	" 1	" ..	1381
Alfred Baldick	" 1	" ..	1302	Gilbert Sanford	" 1	" ..	1382
William Henry Baldick ..	" 1	" ..	1303	John Thomas	" 1	" ..	1383
George William Wallace Webber	" 1	" ..	1304	Robert Nicholson Davies ..	" 1	" ..	1384
Albert Sven Johnson	" 1	" ..	1305	William Robert Twigg ..	" 1	" ..	1385
Frank Edmund Danaher	" 1	" ..	1306	Herbert Robert Foster ..	" 1	" ..	1386
Reginald Guy Bellve	" 1	" ..	1307	Edgar Stannard Cole ..	" 1	" ..	1387
Cornelius Gothard	" 1	" ..	1308	Walter Samuel Bailey ..	" 1	" ..	1388
George Gates	" 1	" ..	1309	William George Lowe ..	" 1	" ..	1389
James William Emmett	" 1	" ..	1310	Constandine Marquis ..	" 1	" ..	1390
Leonard Edward Bowden ..	" 1	" ..	1311	George Ollson	" 1	" ..	1391
Charles Joshua Johnson ..	" 1	" ..	1312	Frank Bell	" 1	" ..	1392
Thomas William Henry Brookes	" 1	" ..	1313	John Howe	" 1	" ..	1393

RETURN OF CERTIFICATES OF SERVICE AS ENGINEERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—continued.

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
Ernest Alfred Howe ..	1911. May 1	Restricted limits	1394	Jeffrey Murdoch ..	1911. June 6	Restricted limits	1475
Henry Ingram Insley ..	" 1	Ditto ..	1395	Roy Huxley ..	" 6	Ditto ..	1476
William Peter Bronlund ..	" 1	" ..	1396	Hugh Farrelly ..	" 6	" ..	1477
Albert Bray ..	" 1	" ..	1397	Gus Reitman ..	" 6	" ..	1478
Nicholas Bentzon ..	" 1	" ..	1398	Frank Edgar Hayward ..	" 6	" ..	1479
Edward Stillwell ..	" 1	" ..	1399	Charles Whittlesey Purchas ..	" 6	" ..	1480
Huntley Wilbert Howden ..	" 1	" ..	1400	Peter John Hugh Munro ..	" 6	" ..	1481
Henry Arthur Haseman ..	" 1	" ..	1401	Carl Ludwig Hansen ..	May 27	" ..	1482
George Hodgson ..	" 1	" ..	1402	Frederick Alfred Hansen ..	July 23	" ..	1484
Albert Mokomoko ..	" 1	" ..	1403	William Thomas Wheatley ..	" 23	" ..	1485
Ernest Henry Chamberlain ..	" 1	" ..	1404	Ernest Schenkel ..	" 23	" ..	1486
Adam Albert Dawson ..	" 1	" ..	1405	Joseph Hoi Wells ..	" 23	" ..	1487
Martha Beamish ..	" 1	" ..	1406	George Frederick Spooner ..	" 23	" ..	1488
William Thomas Smith ..	" 1	" ..	1407	George Bastin Mead ..	" 23	" ..	1489
Duncan Murphy ..	" 1	" ..	1408	Rameka James Cope ..	" 23	" ..	1490
William Bond ..	" 1	" ..	1409	Thomas McPike ..	" 23	" ..	1491
Henry Bond ..	" 1	" ..	1410	Joseph Edward Kassy ..	" 23	" ..	1492
Robert Taylor Morrison ..	" 1	" ..	1411	William John Gribble ..	" 23	" ..	1493
Joseph Mitchell Nordstrand ..	" 1	" ..	1412	Bengman Patrick McCouley ..	" 23	" ..	1494
Vivian Frederick McLeod ..	" 1	" ..	1413	Arthur Colman ..	" 23	" ..	1495
James Frederick Ross ..	" 1	" ..	1414	William Michel Baker ..	" 23	" ..	1496
William Alexander Darrach ..	" 1	" ..	1415	Andrew Gordon Hodge ..	" 23	" ..	1497
Cecil Arthur Whitney ..	" 1	" ..	1416	James Sinclair ..	" 23	" ..	1498
William Schutt ..	" 1	" ..	1417	Thomas Dalton McManaway ..	" 23	" ..	1499
James Reece ..	" 1	" ..	1418	John Roland Hope ..	" 23	" ..	1500
James David Foote ..	" 1	" ..	1419	Joseph Solloway Lane ..	" 23	" ..	1501
Archibald Glyn Fell ..	" 1	" ..	1420	John Edward Glover ..	" 23	" ..	1502
George Pearson ..	" 1	" ..	1421	George William Hayward Bullen ..	" 23	" ..	1503
John Campbell ..	" 1	" ..	1422	James Cope ..	" 23	" ..	1504
William Joass ..	" 1	" ..	1423	Eugenio Bedogni ..	" 23	" ..	1505
John Gallagher ..	" 1	" ..	1424	Eugenio Pitoni ..	" 23	" ..	1506
John Griffiths ..	" 1	" ..	1425	Joseph Pitoni ..	" 23	" ..	1507
William Billing ..	" 1	" ..	1426	Alexander Bennett White ..	" 23	" ..	1508
Cyril Cory Wright ..	" 1	" ..	1427	William Rouse ..	" 23	" ..	1509
Walter Jones ..	" 1	" ..	1428	Thomas Metcalfe ..	" 23	" ..	1510
Solomon Finey ..	" 1	" ..	1429	Charles Robertson ..	" 23	" ..	1511
William George Hudson ..	" 1	" ..	1430	Martin Carkeek ..	" 23	" ..	1512
Thomas Chasland Edwards ..	" 1	" ..	1431	Walter Mills ..	Aug. 18	" ..	1513
Charles Northwood ..	" 17	" ..	1432	Robert Charles Harvey ..	" 18	" ..	1514
William Harold Corbett ..	" 17	" ..	1433	Charles August Borek ..	" 18	" ..	1515
Arthur Thomas Maunder ..	" 17	" ..	1434	Clarence Lawson Lane ..	" 18	" ..	1516
Vincenzo Moleta ..	" 17	" ..	1435	William Jones ..	" 18	" ..	1517
Antonio Moleta ..	" 17	" ..	1436	James Cochran Nixon ..	" 18	" ..	1518
Domenico Russo ..	" 17	" ..	1437	William Morrison ..	" 18	" ..	1519
Arthur William McNabb ..	" 17	" ..	1438	Henry Tuke ..	" 18	" ..	1520
George James Gordon ..	" 17	" ..	1439	Arthur Herbert Lee ..	" 18	" ..	1521
David Stuart ..	" 17	" ..	1440	Alexander Duncan Goodall ..	" 18	" ..	1522
Joseph Edward Paddison ..	" 17	" ..	1441	William Boyle Bennett ..	" 18	" ..	1523
William Lee ..	" 17	" ..	1442	Edward Wallbank ..	" 18	" ..	1524
Robert Richard White ..	" 17	" ..	1443	John Whitney ..	" 18	" ..	1525
Francis William McCowan ..	" 17	" ..	1444	Alice May Whitney ..	" 18	" ..	1526
William Steadman Fletcher ..	" 17	" ..	1445	Harold Vivian Ramsey ..	" 18	" ..	1527
Ivor Stanfield Bryers ..	" 17	" ..	1446	William Alexander Garton ..	" 18	" ..	1528
John William Perano ..	" 17	" ..	1447	George Vause ..	" 18	" ..	1529
Harold Cedric Osborne ..	" 17	" ..	1448	John Frederick Owen Passan ..	" 18	" ..	1530
Gerald Sainsbury Nairn ..	" 17	" ..	1449	William Hutchinson ..	" 18	" ..	1531
Norman Warren ..	" 17	" ..	1450	Walter Leslie Bayliss ..	" 18	" ..	1532
William McNeil ..	June 6	" ..	1451	Herbert Robert Arthur ..	" 18	" ..	1533
Clark Wilby Goodall ..	" 6	" ..	1452	John Glasgow ..	" 18	" ..	1534
Thomas Le Comte, jun. ..	" 6	" ..	1453	Ernest Victor Johnson ..	" 18	" ..	1535
Thomas Dalton McManaway, jun. ..	" 6	" ..	1454	Richard Henry Goldsworthy ..	" 18	" ..	1536
Nathan Alexander Harvey, jun. ..	" 6	" ..	1455	Jonathan Ralph Blackwell ..	" 18	" ..	1537
George Saunders Penny ..	" 6	" ..	1456	Percy Neame ..	" 18	" ..	1538
Dover Goddard Andrews ..	" 6	" ..	1457	Donald Sutherland ..	" 18	" ..	1539
William Edward Wade ..	" 6	" ..	1458	Edward Arthur Harvey ..	" 18	" ..	1540
George Alban King ..	" 6	" ..	1459	Edward William Tait ..	" 18	" ..	1541
William Henry Worrall ..	" 6	" ..	1460	Percy James McLeod ..	" 18	" ..	1542
Berry Cozens ..	" 6	" ..	1461	Harold John Hutchinson ..	" 18	" ..	1543
George Ravenhill ..	" 6	" ..	1462	Albert George Eagle ..	" 18	" ..	1544
William Kerby ..	" 6	" ..	1463	William Frederick Eagle ..	" 18	" ..	1545
Thomas James Storey ..	" 6	" ..	1464	Allan John Woodman ..	" 18	" ..	1546
Carlo Smith ..	" 6	" ..	1465	Richard Norman Woodman ..	" 18	" ..	1547
William Goodyear ..	" 6	" ..	1466	Frederick Woldon Stringer ..	" 18	" ..	1548
Walter Lauritz Borek ..	" 6	" ..	1467	Arthur Schenkel ..	" 18	" ..	1549
Tonhi Palmer ..	" 6	" ..	1468	Edward Schenkel ..	" 18	" ..	1550
Charles Bushitt ..	" 6	" ..	1469	Thomas Jabez Gullery ..	" 18	" ..	1551
John James Beazley ..	" 6	" ..	1470	Richard Crane ..	" 18	" ..	1552
Kato Hapeta ..	" 6	" ..	1471	Joseph Weldon Hebbard ..	" 18	" ..	1553
Robert Clark ..	" 6	" ..	1472	Austin Loder ..	" 18	" ..	1554
Frederick William Jones ..	" 6	" ..	1473	John Joseph Grupen ..	" 18	" ..	1555
Reginald Osborne ..	" 6	" ..	1474	Charles Frederick Turner ..	" 18	" ..	1556

RETURN OF CERTIFICATES OF SERVICE AS ENGINEERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—continued.

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
George Hadfield Smith ..	1911. Aug. 18	Restricted limits	1557	William James Lloyd ..	1911. Oct. 6	Restricted limits	1638
Godfrey McNabb ..	" 18	Ditto ..	1558	Timoti Nikora ..	" 6	Ditto ..	1639
Hugh Shaw Clark ..	" 18	" ..	1559	Arthur Douglas Woolf ..	" 11	" ..	1640
Thomas Calvert Allely ..	" 18	" ..	1560	Richard Albert Ellington Wade ..	" 11	" ..	1641
Henry Duncan Goldsworthy ..	" 18	" ..	1561	George Henry Bennett ..	" 11	" ..	1642
Nihita Haratiera ..	" 18	" ..	1562	Alfred Harold George Shaw ..	" 11	" ..	1643
James Reddy Webster ..	" 18	" ..	1563	Toitoti Maki ..	" 11	" ..	1644
Henry Hopper Adams ..	" 18	" ..	1564	George Edward Robinson ..	" 11	" ..	1645
Henry Gallagher ..	" 18	" ..	1565	Robert William Wells ..	" 11	" ..	1646
James Alfred Vernon ..	" 18	" ..	1566	John Todd ..	" 11	" ..	1647
Carl Johan Norberg ..	" 18	" ..	1567	Percy Charles Tiller ..	" 11	" ..	1648
James Henry Crapper ..	" 18	" ..	1568	David Richard Paul ..	" 11	" ..	1649
Joseph Alfred Grossi ..	" 18	" ..	1569	William Edward Redman ..	" 11	" ..	1650
Walker Harris ..	" 18	" ..	1570	George Wells ..	" 11	" ..	1651
Martin te Wake ..	" 18	" ..	1571	Daniel Eli Wells ..	" 11	" ..	1652
George Francis Wilson ..	" 18	" ..	1572	Arthur Charles Gibbons ..	" 11	" ..	1653
Albert Henry Bentley ..	" 18	" ..	1573	Gerald John Lane ..	" 11	" ..	1654
Hone Toia ..	" 18	" ..	1574	Mark Jurakovich ..	" 11	" ..	1655
Douglas Augustus Allwood ..	" 18	" ..	1575	Louis Henry Hartmann ..	" 11	" ..	1656
Frederic Hugh Dodson ..	" 18	" ..	1576	William Nassau Stewart ..	" 11	" ..	1657
William Robert Patterson ..	" 18	" ..	1577	Alexander Forbes Leslie ..	Nov. 3	" ..	1658
Horace Alfred Lane ..	" 18	" ..	1578	Tuku Rewi ..	" 3	" ..	1659
Frederick Joseph Olds ..	" 18	" ..	1579	Robert Joseph Allely ..	" 3	" ..	1660
Arthur Octavius Lapwood ..	" 18	" ..	1580	George Adam Blackwell ..	" 3	" ..	1661
Andrew Godfrey William Stuart ..	" 18	" ..	1581	Henry Ashford Featherstone ..	" 3	" ..	1662
Leopold McIntosh ..	Sept. 20	" ..	1582	Charles Frederick Shaw ..	" 3	" ..	1663
James Sinclair ..	" 20	" ..	1583	Robert John William Turner ..	" 3	" ..	1664
William Samuel Aldridge ..	" 20	" ..	1584	Edward George Stallard ..	" 3	" ..	1665
Robert Campbell ..	Nov. 3	" ..	1585	Francis John William Stallard ..	" 3	" ..	1666
Stephen Shalfon ..	" 3	" ..	1586	George Henry Fyfe ..	" 3	" ..	1667
Edward Lapwood ..	" 3	" ..	1587	James Albert Silvester ..	" 3	" ..	1668
Richard Adam James Nixon ..	" 3	" ..	1588	John Alexander Thomson ..	" 3	" ..	1669
Charles Howard Nicholls ..	" 3	" ..	1589	Herman Schlutz ..	" 3	" ..	1670
Henry Wesley ..	" 3	" ..	1590	George Henry Reeves ..	" 3	" ..	1671
Edward Hardiman ..	" 3	" ..	1591	Peneha Hone Kingi Pita ..	" 3	" ..	1672
Pauro Matiu ..	" 3	" ..	1592	Mita Hepi Wepeha ..	" 3	" ..	1673
John Thompson Gillibrand ..	" 3	" ..	1593	Ebenezer Rudolph Gibbons ..	" 3	" ..	1674
John Kelsey ..	" 3	" ..	1594	Thomas Drew ..	" 3	" ..	1675
Henry Herbert Kelsey ..	" 3	" ..	1595	George Lacy Moody ..	" 3	" ..	1676
Albert Bennett White ..	" 3	" ..	1596	Welby Vivian Hadfield ..	" 3	" ..	1677
Francis Leonard Taylor ..	" 3	" ..	1597	Andrew Monson ..	" 3	" ..	1678
William Coupe ..	" 3	" ..	1598	Roy Hubert Hadfield ..	" 3	" ..	1679
James Cotter ..	" 3	" ..	1599	Philip Charles Grossi ..	" 3	" ..	1680
Herbert Pasquale Clarke ..	" 3	" ..	1600	James Pennington Bates ..	" 3	" ..	1681
James Herbert Wheatley ..	" 3	" ..	1601	William Stewart ..	" 3	" ..	1682
Toki Pungari ..	" 3	" ..	1602	Thomas Le Huquet ..	" 3	" ..	1683
James Howard Wills ..	Sept. 20	" ..	1603	Frank Lewin Gibbons ..	" 3	" ..	1684
John Campbell McInnes ..	" 20	" ..	1604	Frederick William Bell ..	" 3	" ..	1685
Robert John Houghton ..	" 20	" ..	1605	Alfred Horace Wells ..	" 3	" ..	1686
Eustace Houghton ..	" 20	" ..	1606	Edward Adams ..	" 3	" ..	1687
James O'Malley ..	" 20	" ..	1607	Vincent Herbert Wardell ..	" 3	" ..	1688
George Hill ..	" 20	" ..	1608	Angus Newton Gibbons ..	" 3	" ..	1689
Arthur Earle Elliens Dodd ..	" 20	" ..	1609	Bertrand Harding Andrews ..	" 3	" ..	1690
Richard Lawrence ..	" 20	" ..	1610	Frederick William Stout ..	" 3	" ..	1691
Levi Lionel Collins Dodd ..	" 20	" ..	1611	James Jackson ..	" 3	" ..	1692
Hazel Oxley ..	" 20	" ..	1612	Joseph Bradshaw ..	" 3	" ..	1693
William Charles Wright ..	" 20	" ..	1613	Edward James McAuley ..	" 3	" ..	1695
Daniel Scelly ..	Oct. 6	" ..	1614	Robert Wyles Farquhar ..	" 3	" ..	1696
Walter Hamilton ..	" 6	" ..	1615	William Mapple ..	" 3	" ..	1697
Cecil Edgar Borek ..	" 6	" ..	1616	Joseph Tonge ..	" 3	" ..	1698
Thomas Henry Scandrett ..	" 6	" ..	1617	Thomas William Nield ..	" 3	" ..	1699
William John Grundy ..	" 6	" ..	1618	Albert Edward Anthony Nield ..	" 3	" ..	1700
Samuel Barr ..	" 6	" ..	1619	Frank James Evetts ..	" 3	" ..	1701
Charles Henry Hough ..	" 6	" ..	1620	Bruce Stewart ..	" 3	" ..	1702
James Henderson ..	" 6	" ..	1621	Thomas Clifford ..	" 3	" ..	1703
Albert Edward Jennings ..	" 6	" ..	1622	James Albert Welsh ..	Dec. 19	" ..	1704
Justly Charles William Hill ..	" 6	" ..	1623	Herbert Allison Paddison ..	" 19	" ..	1705
William Ferguson ..	" 6	" ..	1624	Charles Pestell Harris ..	" 19	" ..	1706
George Albert Gamman ..	" 6	" ..	1625	George Taylor ..	" 19	" ..	1707
Charles Nelson ..	" 6	" ..	1626	William Sumpter Harris ..	" 19	" ..	1708
Alexander Gilbertson ..	" 6	" ..	1627	Edwin Headley Harris ..	" 19	" ..	1709
Joseph Wilfred Senior ..	" 6	" ..	1628	George Dennett Braund ..	" 19	" ..	1710
John Kihau ..	" 6	" ..	1629	Takarangi Keenan ..	" 19	" ..	1711
James Henry Cleave ..	" 6	" ..	1630	Levi Keenan ..	" 19	" ..	1712
David Kelly ..	" 6	" ..	1631	Jack Love ..	" 19	" ..	1713
Samuel Knowles ..	" 6	" ..	1632	Mack Love ..	" 19	" ..	1714
Edward Robert Whitechurch ..	" 6	" ..	1633	James Johnson ..	" 19	" ..	1715
Alexander Charles McKay ..	" 6	" ..	1634	Kura Love ..	" 19	" ..	1716
James Jeffs ..	" 6	" ..	1635	Henry Norman Beer ..	" 19	" ..	1717
Henry Barrett Rose ..	" 6	" ..	1636	John Hastings Stirling ..	" 19	" ..	1718
Frank Cuthbert White ..	" 6	" ..	1637	Weldon Arkell Hebbard ..	" 19	" ..	1719

RETURNS OF CERTIFICATES OF SERVICE AS ENGINEERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1912—continued.

Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.	Name of Person.	Date of Issue.	Class of Certificate.	No. of Certificate.
	1911.				1911.		
William Richard Owen Wells..	Dec. 19	Restricted limits	1720	Philip Oswald Andrew ..	Dec. 19	Restricted limits	1782
George Aylmer Mervyn Kenny ..	" 19	Ditto ..	1721	Henry Luttrell Morton ..	" 19	Ditto ..	1783
Charles Eric Thompson ..	" 19	" ..	1722	Albert Edward Dunstall ..	" 19	" ..	1784
Peter John Donaldson ..	" 19	" ..	1723	Thomas Thompson ..	" 19	" ..	1785
Ludovic Cliffe Colquhoun ..	" 19	" ..	1724	Frederick William Nalder ..	" 19	" ..	1786
John Spilsbury ..	" 19	" ..	1725	Claude Davey ..	" 19	" ..	1787
James Frank Percival Howden ..	" 19	" ..	1726	Frederick Charles Coventry Fell ..	" 19	" ..	1788
Harold Breese ..	" 19	" ..	1727	William Brereton Sewell ..	" 19	" ..	1789
William Lennox ..	" 19	" ..	1728	Charles James Vincent ..	" 19	" ..	1790
Cecil Montague Healey ..	" 19	" ..	1729	William Masefield ..	" 19	" ..	1791
Alfred Robert Foote ..	" 19	" ..	1730	William Arthur Williams ..	" 19	" ..	1792
Louis John Gray ..	" 19	" ..	1731	Harold Le Grice ..	" 19	" ..	1793
Frederick Andrew Lees ..	" 19	" ..	1732	Stanley Stillwell ..	" 19	" ..	1793A
Hugh Alexander McCormick ..	" 19	" ..	1733	Charles Woods ..	" 19	" ..	1794
Donald McCormick ..	" 19	" ..	1734	Frederick William Williams ..	" 19	" ..	1795
Arthur Coleridge Seymour ..	" 19	" ..	1735	William Harrison ..	" 19	" ..	1796
Henry Berg ..	" 19	" ..	1736	Harold John Hall ..	" 19	" ..	1797
Alfred Mynn Bishop ..	" 19	" ..	1737	John James Webb ..	" 19	" ..	1798
William James Gordon ..	" 19	" ..	1738	Hector Martin ..	" 19	" ..	1799
James Houghton ..	" 19	" ..	1739	Glasgow Love ..	" 19	" ..	1800
Owen Arthur Taylor ..	" 19	" ..	1740	Alfred Johnson ..	" 19	" ..	1801
John Alexander McNeil ..	" 19	" ..	1741	Martin John Hawkins ..	" 19	" ..	1802
Thomas Wallen ..	" 19	" ..	1742	Frank Carrick ..	" 19	" ..	1803
Desmond Royden Walker ..	" 19	" ..	1743	William Woodgate ..	" 19	" ..	1804
Harry Taylor ..	" 19	" ..	1744	Robert William Woodgate ..	" 19	" ..	1805
Bernard Demicheli ..	" 19	" ..	1745	Henry William Jackson ..	" 19	" ..	1806
John Smith ..	" 19	" ..	1746	John William Jackson ..	" 19	" ..	1807
Edward Fullerton Dorman ..	" 19	" ..	1747	Horace Harold Wood ..	" 19	" ..	1808
Rupert Rennie Woodcock ..	" 19	" ..	1748	George Tulloch ..	" 19	" ..	1809
John Dean ..	" 19	" ..	1749	Ernest Alfred Southerwood ..	" 19	" ..	1810
Patrick Henry ..	" 19	" ..	1750	Thomas Roland Burden ..	" 19	" ..	1811
Patrick Mullany ..	" 19	" ..	1751	John Alfred Webb ..	" 19	" ..	1812
Arthur Daken ..	" 19	" ..	1752	Richard Stevens Webb ..	" 19	" ..	1813
William Reed ..	" 19	" ..	1753	Joseph Roderigues ..	" 19	" ..	1814
Ivor te Puni ..	" 19	" ..	1754	Charles Smith Henderson ..	" 19	" ..	1815
Arthur Lyttelton Johnson ..	" 19	" ..	1755	John Harties Faulkner ..	" 19	" ..	1816
David Monro ..	" 19	" ..	1756	William Joseph Marsden ..	" 19	" ..	1817
John Valentine Soffe ..	" 19	" ..	1757	Robert Hugh Harris ..	" 19	" ..	1818
Watkin Thomas ..	" 19	" ..	1758	Thomas Smith ..	" 19	" ..	1819
Alfred Stuart ..	" 19	" ..	1759	Fairleigh Marriner ..	" 19	" ..	1820
James Knowles ..	" 19	" ..	1760	William Arthur D'Oridant ..	" 19	" ..	1821
Osmond John William Lake ..	" 19	" ..	1761	Edward George Hamerton, jun. ..	" 19	" ..	1822
John Alexander ..	" 19	" ..	1762	Einnim Ashburnham Dugdale ..	" 19	" ..	1823
Thomas Edward Montgomery ..	" 19	" ..	1763	James Williamson ..	" 19	" ..	1824
Ernest Hall ..	" 19	" ..	1764	Robert Josiah Potiki ..	" 19	" ..	1825
William Sinton ..	" 19	" ..	1765	Arthur Edward Millard ..	" 19	" ..	1826
Alfred Thomas Bell ..	" 19	" ..	1766	George Christopher Emmett ..	" 19	" ..	1827
Allan Sinclair ..	" 19	" ..	1767	Donald McGregor ..	" 19	" ..	1828
Joseph Waterrens ..	" 19	" ..	1768	John Smith ..	" 19	" ..	1829
George William Philipson ..	" 19	" ..	1769	Archibald Coleman ..	" 19	" ..	1830
Henry Symonds Beer ..	" 19	" ..	1770	John King ..	" 19	" ..	1831
George Hawkins ..	" 19	" ..	1771		1912.		
James Adamson ..	" 19	" ..	1772	Joseph Shotton ..	Feb. 22	" ..	1832
Thomas Stanley Adamson ..	" 19	" ..	1773	Henry Richards ..	" 22	" ..	1833
George Henry Reading ..	" 19	" ..	1774	Peter Petersen ..	" 22	" ..	1834
Donald John McKay ..	" 19	" ..	1775	Laurence East ..	" 22	" ..	1835
Alfred Henry Lapwood ..	" 19	" ..	1776	Abraham Percy Harvey ..	" 22	" ..	1836
Pene Pomare ..	" 19	" ..	1777	Percy Edwin Mills ..	" 22	" ..	1837
Alec Christopher Thompson ..	" 19	" ..	1778	Clarence Harvey Mills ..	" 22	" ..	1838
Alfred Charles Gibbs ..	" 19	" ..	1779	John Nicholls ..	" 22	" ..	1839
Alfred Henry Scott ..	" 19	" ..	1780	Matthew Carroll ..	" 22	" ..	1840
Henry Edmeades Nickless ..	" 19	" ..	1781	Watson Oxley ..	" 22	" ..	1841

TABLE showing, for the Year 1911, the Number and Tonnage of Registered Vessels (exclusive of River Steamers) of the Dominion of New Zealand which were employed wholly in the Home Trade, partly in the Home and partly in the Foreign Trade, and wholly in the Foreign Trade, respectively; together with the Number of Men and Boys exclusive of Masters employed thereon.

Class of Vessels.	Under 50 Tons.		50 Tons and under 100.		100 Tons and under 200.		200 Tons and under 300.		300 Tons and under 400.		400 Tons and under 500.		500 Tons and under 600.		600 Tons and under 700.		700 Tons and under 800.		800 Tons and under 1,000.		1,000 Tons and under 1,200.		1,200 Tons and under 1,500.		1,500 Tons and under 2,000.		2,000 Tons and under 3,000.		3,000 Tons and over.		Totals.					
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.			
	Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.		Men and Boys.	
In the Home (Coastal) Trade only—																																				
	74	1,679	110	413,094	138	5	691	25	1	217	...	...	...	...	21,304	2	...	...	32,523	2	1,190	4	...	...	...	...	...	...	...	...	...	...	...
	90	2,165	361	604,355	430	33	4,779	444	11	2,688	197	51,896	73	502	7	21,325	46	53,648	139	21,752	49	1,028	50	56,577	292	11,572	31	12,137	77	...	...	...	...
Totals	164	3,844	471	1,017,449	568	38	5,470	469	12	2,905	197	51,896	73	502	7	42,629	48	53,648	139	54,275	51	2,218	54	56,577	292	11,572	31	12,137	77	...	...	...	...
Partly in the Home and partly in the Foreign Trade—																																				
	...	...	3	281	13	3	499	21	...	...	...	...	...	...	618	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	1	44	9	2	158	15	1	197	10	516	21	719	19	43,674	110	4	4,508	109	67,651	204	610	602	279	9,230	82	717	3	106	89	274
Totals	1	44	9	5	439	28	4	696	31	516	21	1	618	13	1	719	19	4	4,508	109	78,923	227	610	602	279	9,230	82	717	3	106	89	274
In the Foreign Trade only—																																				
	1	40	2	1	53	4	3	434	21	5	1,283	45	...	...	53,352	63	1	785	3	...	1	1,047	18	...	...	...	...	...	...	...	...	...	...
	2	59	2	1	93	6	2	293	29	...	...	...	...	...	630	43	...	...	915	52	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	3	99	4	2	146	10	5	727	50	5	1,283	45	63,982	106	1	785	3	1	915	52	1	1,047	18	1	1,258	47	11,736	67		
Grand Totals..	168	3,987	484	1,088,034	606	47	6,893	550	17	4,188	242	62,220	86	521	17	72,229	167	75,152	161	108,864	213	7,773	181	81,391	377	102,521	794	519,451	542	432	1,368,915	268				

DESCRIPTIVE RETURN of New Zealand COASTAL LIGHTHOUSES.

Name of Lighthouse.	Order of Apparatus.	Description.	Period of Revolving Light.	Colour of Light.	Tower built of	Dwellings built of	Date first lighted.
Cape Maria van Diemen	1st order dioptric ..	Revolving Fixed	1' ..	White Red, to show over Columbia Reef.	Timber	Timber	24 Mar., 1879
Cape Brett ..	1st order dioptric	Group flashing	*	White	Iron	Timber	21 Feb., 1910
Mokohinou ..	1st ..	Flashing	10"	"	Stone	"	18 June, 1883
Tiritiri ..	2nd ..	Fixed	..	White, with red arc over Flat Rock	Iron	"	1 Jan., 1865
Ponui Passage ..	5th ..	"	..	White and red ..	Timber	"	29 July, 1871
Cuvier Island ..	1st ..	Revolving	30"	White	Iron	"	22 Sept., 1889
East Cape ..	2nd ..	Flashing	10"	"	"	"	9 Aug., 1900
Portland Island	2nd ..	Revolving Fixed	30" ..	"	Timber	"	10 Feb., 1878
Castle Point (building)	2nd order dioptric	Group flashing	†	Red, to show over Bull Rock. White	Iron	Timber	(Building)
Cape Palliser ..	2nd ..	Revolving	†	White	"	"	27 Oct., 1897
Pencarrow Head..	2nd ..	Fixed	..	"	"	"	1 Jan., 1859
Cape Egmont ..	2nd ..	"	..	"	"	"	1 Aug., 1881
Manukau Head ..	3rd ..	"	..	"	Timber	"	1 Sept., 1874
Kaipara Head ..	2nd ..	Flashing	10"	"	"	"	1 Dec., 1884
Brothers ..	2nd ..	"	10"	"	"	"	24 Sept., 1877
	..	Fixed	..	Red, to show over Cook Rock.			
Cape Campbell ..	2nd order dioptric	Revolving	1'	White	Iron	Timber	1 Aug., 1870
Godley Head ..	2nd ..	Fixed	..	"	Stone	Stone	1 April, 1865
Akaroa Head ..	2nd ..	Flashing	10"	"	Timber	Timber	1 Jan., 1880
Jack's Point ..	4th ..	Fixed	..	"	Iron	"	1 July, 1904
Moeraki ..	3rd ..	"	..	"	Timber	"	22 April, 1878
Taiaroa Head ..	3rd ..	"	..	"	Stone	Stone	2 Jan., 1865
Cape Saunders ..	2nd ..	Revolving	1'	White	Timber	Timber	1 Jan., 1880
Nugget Point ..	1st ..	Fixed	..	"	Stone	Stone	4 July, 1870
Waipapapa Point	2nd ..	Flashing	10"	"	Timber	Timber	1 Jan., 1884
Dog Island ..	1st order catadioptric	Revolving	30"	"	Stone	Stone	1 Aug., 1865
Centre Island ..	1st order dioptric	Fixed	..	White, with red arcs over inshore dangers	Timber	Timber	16 Sept., 1878
Puysegur Point ..	1st ..	Flashing	10"	White	"	"	1 Mar., 1879
Cape Foulwind ..	2nd ..	Revolving	30"	"	"	"	1 Sept., 1876
Kahurangi Point..	2nd ..	Fixed ..	..	White, with red sector to show over Stewart Breaker	Iron	"	30 Nov., 1903
Farewell Spit ..	2nd ..	Revolving	1'	White, with red arc over Spit end	"	"	17 June, 1870
Nelson ..	4th ..	Fixed	..	White, with red arc to mark limit of anchorage	"	"	4 Aug., 1862
French Pass ..	6th ..	"	..	Red and white, with white light on beacon	"	"	1 Oct., 1884
Stephens Island ..	1st ..	Group flashing	*	White	"	"	29 Jan., 1894

* Two flashes in quick succession every half-minute. † Flashing every forty-five seconds, with an interval of eight seconds between each group-flash. ‡ Flashing twice every half-minute, with interval of three seconds between flashes.

RETURN of STEAMERS and OIL-ENGINE VESSELS to which CERTIFICATES of SURVEY were issued in
New Zealand during the Year ended 31st March, 1912.

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Admiral ..	82	28	..	Compound ..	Screw ..	River ..	..	..	..	..
Advance (A'kland)	12	8	..	Non-condensing ..	" ..	Extended river ..	..	..	..	..
Advance II.	4	8	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.
A.H.B. ..	5	15	..	" ..	" ..	River ..	..	..	..	..
Ahuriri ..	31	17	..	Compound ..	" ..	Extreme limits ..	2	..	..	..
Akaroa (Auckland)	43	208	105	" ..	" ..	Home trade ..	2	2	..	..
Albatross ..	111	37	..	" ..	" ..	River ..	..	..	..	..
Albatross ..	43	25	..	Oil-engine ..	" ..	Extended river ..	..	..	..	..
Alert ..	5	15	..	" ..	" ..	River ..	..	..	..	..	First survey.
Alexander ..	185	72	335	Compound ..	Twin-screw ..	Home trade ..	4	3	..	..
All Black, No. 1 ..	5	18	..	Oil-engine ..	Screw ..	Extended river ..	..	..	..	..	First survey.
All Black, No. 2 ..	4	12	..	" ..	" ..	" ..	..	..	..	..	"
Annie ..	3	4	..	" ..	" ..	River ..	..	..	..	..	"
Antrim ..	35	30	..	Condensing ..	" ..	" ..	..	..	..	..
Aorangi ..	2,782	550	4,000	Triple-expansion ..	" ..	Foreign ..	11	9	6	3	First N.Z. survey.
Aorere ..	49	16½	71	Compound ..	" ..	Home trade ..	2	1	..	..
Apanui ..	135	28	202	Triple-expansion ..	" ..	" ..	4	2	..	..
Aparima ..	3,684	284	2,710	" ..	Twin-screw ..	Foreign trade ..	13	9	3	3	
*Arahura ..	771	147	1,689	" ..	" ..	Home trade ..	7	6	3	3	
Arapawa (Well'ton)	128	47	234	" ..	Screw ..	" ..	4	2	..	..
Arapawa (Picton)	4	10	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Arawa ..	5	10	..	" ..	" ..	" ..	..	..	..	..	"
Aroha ..	4	8	..	" ..	" ..	" ..	..	..	..	..	"
Arrino ..	2	5	..	" ..	" ..	" ..	..	..	..	..	"
Atua ..	1,895	329	2,672	Triple-expansion ..	Twin-screw ..	Foreign trade ..	9	9	3	3	
Aupouri ..	220	55	417	" ..	Screw ..	Home trade ..	5	3	..	..
Awaroa ..	211	62	450	" ..	" ..	River ..	..	..	..	..
Awarua ..	2	4½	..	Oil-engine ..	" ..	" ..	..	..	..	..	First survey.
Baden Powell	92	30	215	Compound ..	" ..	Home trade ..	2	2	..	..
Baroona ..	79	24	..	" ..	" ..	River ..	..	..	..	..
Beatrix ..	2	5	..	Oil-engine ..	" ..	" ..	..	..	..	..	First survey.
Beldame ..	4	20	..	" ..	" ..	Extended river ..	..	..	..	..	"
Benares ..	2	4	..	" ..	" ..	River ..	..	..	..	..	"
Ben Lomond ..	33	15	..	Compound ..	" ..	" ..	..	..	..	..
Bletsoe ..	2	5	..	Oil-engine ..	" ..	" ..	..	..	..	..	First survey.
Breeze ..	286	59	398	Triple-expansion ..	" ..	Home trade ..	4	3	..	..
Breta Tui ..	36	40	..	Oil-engine ..	" ..	River ..	..	..	..	..
Brooklyn ..	2½	8	..	" ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Canopus ..	885	250	1,132	Triple-expansion ..	" ..	Home trade ..	6	3	2	3	
Canterbury ..	..	24	..	Non-condensing ..	Twin-screw ..	Extended river ..	..	..	..	..
Carola ..	3	10	..	Oil-engine ..	Screw ..	River ..	..	..	..	..	First survey.
Centaur ..	6	16	..	" ..	" ..	" ..	..	..	..	..	"
Chelmsford ..	79	24	68	Compound ..	" ..	Home trade ..	2	1	..	..
Claudian ..	379	90	592	" ..	" ..	" ..	5	3	..	..
Claymore ..	119	54	366	" ..	" ..	" ..	4	3	..	..
Clutha ..	96	48	..	" ..	Stern-paddle ..	River ..	..	..	..	..	First survey.
Cobar ..	57	40	..	" ..	Screw ..	" ..	..	..	..	..
Condor ..	188	24	..	" ..	" ..	Extended river ..	..	..	..	..
Corinna ..	812	141	1,066	" ..	" ..	Home trade ..	6	3	2	3	
Coromandel ..	67	25	..	" ..	" ..	River ..	..	..	..	..
Countess ..	57	..	173	" ..	" ..	Home trade ..	2	2	..	..	Fishing-vessel.
Cygnat ..	66	43	188	" ..	" ..	" ..	2	2	..	..
Daphne ..	113	55	240	" ..	" ..	" ..	4	2	..	..
Dawn ..	14	..	..	Oil-engine ..	" ..	" ..	..	..	..	..
Defender ..	117	36	144	Compound ..	" ..	" ..	4	2	..	..
Defender ..	4	18	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Dolly Varden ..	17	26	..	" ..	" ..	Home trade ..	1	..	..	..
Dolphin ..	6	15	..	" ..	" ..	River ..	..	..	..	..	First survey.
Doris (Napier) ..	4	20	..	" ..	" ..	Extended river ..	..	..	..	..	"
Doris (Picton) ..	2	4	..	" ..	" ..	Restricted limits ..	..	..	..	..
Dorrigo ..	195	..	200	Compound ..	" ..	Foreign trade ..	4	2	..	..	First N.Z. survey.
Doto ..	19	13	..	" ..	" ..	Extended river ..	..	..	..	..
Dove (Picton) ..	2	4	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Dove (Fr. Pass) ..	2	4	..	" ..	" ..	" ..	..	..	..	..	"
Dreadnaught (Port Underwood)	6	16	..	" ..	" ..	" ..	..	..	..	..	"
Duchess ..	95	81	..	Triple-expansion ..	" ..	River ..	..	..	..	..
Eagle ..	138	70	..	Compound ..	Paddle ..	" ..	..	..	..	..
Echo ..	98	60	..	Oil-engine ..	Twin-screw ..	Home trade ..	2	..	..	..
Echo (Maori Bay) ..	2	5	..	" ..	Screw ..	River ..	..	..	..	..	First survey.
Eclipse ..	2	8	..	" ..	" ..	" ..	..	..	..	..	"
Elsie (Auckland) ..	21	30	..	" ..	" ..	" ..	..	..	..	..
Elsie ..	4	15	..	" ..	" ..	" ..	..	..	..	..	First survey.
Elsie (Picton) ..	22	11	..	Compound ..	" ..	Extended river ..	..	..	..	..
Elsie Evans ..	6	20	..	Oil-engine ..	" ..	" ..	..	..	..	..
Elswick ..	4	12	..	" ..	" ..	River ..	..	..	..	..	First survey.
Endeavour ..	54	30	..	" ..	" ..	Extended river ..	..	..	..	..

* Surveyed twice.

RETURN of STEAMERS and OIL-ENGINE VESSELS to which CERTIFICATES of SURVEY were issued, &c.—continued.

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Endor ..	11	4	..	Oil-engine ..	Screw ..	Home trade ..	1	..	..	..	Fishing-vessel.
*Energy ..	17	15	48	Compound ..	" ..	" ..	1	1	..	..
Erin ..	4	3½	..	Non-condensing ..	" ..	River ..	..	..	..	..
Erskine ..	98	85	..	Compound ..	" ..	" ..	..	..	..	..
Eva ..	7	20	..	Oil-engine ..	" ..	" ..	..	..	..	..
Eveline ..	..	8	..	Non-condensing ..	" ..	" ..	..	..	..	..
Express ..	36	25	99	Compound ..	" ..	Home trade ..	2	1	..	..	Fishing-vessel
Fairburn ..	69	40	..	Oil-engine ..	" ..	" ..	2	..	..	..
Fanny ..	55	30	147	Compound ..	" ..	" ..	2	2	..	..
Ferro ..	10	20	..	Oil-engine ..	" ..	Extended river ..	..	..	..	..
*Firefloat ..	..	13	50	Non-condensing ..	" ..	" ..	..	..	..	..
Flora (Dunedin) ..	838	180	1,132	Compound ..	" ..	Home trade ..	6	3	2	3	
Flora (Bluff) ..	3	6	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Foam ..	2	5	..	" ..	" ..	" ..	..	..	..	..	"
Gael ..	55	20	98	Compound ..	" ..	Home trade ..	2	1	..	..
Gannet (Picton) ..	10	6	..	Condensing ..	" ..	Extended river ..	..	..	..	..
Gertie ..	119	59	295	" ..	" ..	Home trade ..	4	3	..	..
Glenelg ..	156	75	262	Compound ..	" ..	" ..	4	3	..	..
Glenlie ..	5	10	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Gosford ..	54	30	130	Compound ..	" ..	Extended river ..	..	..	..	..
Greyhound (Auckland) ..	83	50	..	Oil-engine ..	" ..	Home trade ..	2	..	..	..
Greyhound (Havelock) ..	2	5	..	" ..	" ..	River ..	..	..	..	..	First survey.
Greyhound (Port Underwood) ..	5	12	..	" ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Hananui II ..	44	45	239	Triple-expansion ..	" ..	Foreign trade ..	2	2	..	..
Hapai ..	363	..	155	" ..	" ..	Extended river ..	..	..	..	..	Dredge.
Haupiri ..	452	88	454	Compound ..	" ..	Home trade ..	6	3	..	..
Hauroto ..	1,276	258	1,343	" ..	" ..	Foreign trade ..	8	6	3	3	
Heathcote ..	94	35	..	" ..	" ..	Extended river ..	..	..	..	..
Heather ..	2	8	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Himitangi ..	149	45	248	Triple-expansion ..	" ..	Home trade ..	4	2	..	..
Hina (Nelson) ..	39	20	89	Compound ..	" ..	" ..	2	1	..	..	Late Lady Barkly.
Hina (Havelock) ..	1	4½	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Hipi ..	13	11	..	Triple-expansion ..	" ..	Extended river ..	..	..	..	..
Hirere ..	32	16	..	Compound ..	Twin-screw ..	" ..	..	..	..	..
Hobsonville ..	23	15	..	Oil-engine ..	Screw ..	" ..	..	..	..	..
Holmdale ..	197	18½	112	Compound ..	" ..	Home trade ..	4	2	..	..
Houto ..	78	45	..	Oil-engine ..	" ..	" ..	2	..	..	..	First survey.
Huanui ..	59	45	..	" ..	" ..	Foreign trade ..	2	..	..	..
Huia (Auckland) ..	200	22	..	" ..	" ..	Home trade ..	4	..	..	..
Huia (Wellington) ..	69	23	121	Compound ..	" ..	" ..	2	2	..	..
Huia (Wellington) ..	..	2	..	Condensing ..	" ..	River ..	..	..	..	..
Independence ..	1½	2½	..	Oil-engine ..	" ..	" ..	..	..	..	..	First survey.
Iris ..	3	12	..	" ..	" ..	" ..	..	..	..	..	"
Isa (Whangerei) ..	4	7½	..	" ..	" ..	" ..	..	..	..	..	"
Isa (Picton) ..	3	5	..	" ..	" ..	Restricted limits ..	..	..	..	..	"
Jane Douglas ..	75	22	168	Compound ..	" ..	Home trade ..	2	1	..	..	Wrecked.
Jane ..	20	10	..	Oil-engine ..	" ..	Extended river ..	..	..	..	..	First survey.
Jersey Lily ..	4	12	..	" ..	" ..	River ..	..	..	..	..	"
John Anderson ..	36	20	..	Compound ..	" ..	Extreme limits ..	2	..	..	..
John Kennedy ..	4	12	..	Oil-engine ..	" ..	Extended river ..	..	..	..	..	First survey.
John Townley ..	85	40	..	Compound ..	Twin-screw ..	" ..	..	..	..	..
Kao ..	147	60	..	Oil-engine ..	Screw ..	Home trade ..	4	..	..	..
Kahu (Napier) ..	99	40	239	Compound ..	" ..	" ..	2	2	..	..
Kaiaia ..	24	24	..	Oil-engine ..	" ..	" ..	1	..	..	..
Kairaki ..	182	92	559	Triple-expansion ..	" ..	Home trade ..	4	3	..	..
Kaitangata ..	1,219	200	948	" ..	" ..	Foreign trade ..	7	3	2	3	
*Kaitoa ..	118	65	296	Compound ..	" ..	Home trade ..	4	3	..	..
Kaituna (Dunedin) ..	1,246	200	1,009	Triple-expansion ..	" ..	Foreign trade ..	7	3	2	3	
Kamona ..	903	117	749	" ..	" ..	" ..	6	3	..	..
Kanieri ..	115	20	138	Compound ..	" ..	Home trade ..	4	2	..	..
Kanna ..	1,049	..	1,043	Triple-expansion ..	" ..	Foreign trade ..	7	3	2	3	First N.Z. survey.
Kapiti ..	114	35	208	Compound ..	" ..	Home trade ..	4	2	..	..
Kapui ..	30	30	..	Non-condensing ..	" ..	Extended river ..	..	..	..	..
Kapuni ..	97	30	191	Compound ..	" ..	Home trade ..	2	2	..	..
Karoro ..	52	17	..	" ..	" ..	Extended river ..	..	..	..	..
Kate ..	..	5	..	Non-condensing ..	" ..	River ..	..	..	..	..
Kawa ..	3	5	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Kawau (Auckland) ..	53	20	..	Compound ..	" ..	Extended river ..	..	..	..	..
Kawau (Kaipara) ..	37	15	..	" ..	" ..	" ..	..	..	..	..
Kea ..	3	4	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Kennedy ..	131	39	134	Compound ..	Twin-screw ..	Home trade ..	4	2	..	..
Kestrel ..	203	43	..	" ..	Screw ..	Extended river ..	..	..	..	..
Kia-Ora ..	1½	4	..	Oil-engine ..	" ..	" ..	..	..	..	..	First survey.
Kini ..	702	130	697	Triple-expansion ..	" ..	Home trade ..	6	3	..	..
Kiripaka ..	75	24	108	Compound ..	" ..	" ..	2	2	..	..

* Surveyed twice.

RETURN of STEAMERS and OIL-ENGINE VESSELS to which CERTIFICATES of SURVEY were issued, &c.—*continued.*

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Kiritona ..	75	150	..	Oil-engine ..	Screw ..	Home trade ..	2	..	..	..
Kittawa ..	708	120	732	Compound ..	" ..	" ..	6	3	..	..
Kiwi (Te Kopura) ..	16	20	..	Oil-engine ..	" ..	Extended river ..	..	..	..	..
Kiwi (Invercargill) ..	1	2	..	" ..	" ..	" ..	..	..	..	..	First survey.
Kokiri ..	4	8	..	" ..	" ..	River ..	..	..	..	..	"
Komata ..	1,194	260	1,232	Triple-expansion ..	" ..	Foreign trade ..	7	3	2	3	
Koonya ..	663	115	748	" ..	" ..	Home trade ..	6	3	..	..
Kopu ..	18	13	..	Non-condensing ..	Paddle ..	Extended river ..	..	..	..	..
Koputai ..	5	120	472	Compound ..	" ..	Home trade ..	1	3	..	..	Tug.
Koromiko ..	1,541	313	1,460	Triple-expansion ..	Screw ..	Foreign trade ..	8	6	3	3	
Kotare ..	79	20	128	Compound ..	" ..	Home trade ..	2	2	..	..
Kotiti ..	42	14	90	" ..	" ..	" ..	2	1	..	..
Koutunui ..	98	26	178	" ..	Twin-screw ..	" ..	2	2	..	..
Kura ..	16	35	..	Oil-engine ..	Screw ..	River ..	..	..	..	..	First survey.
Kurow ..	1,564	333	1,718	Triple-expansion ..	" ..	Foreign trade ..	8	3	2	3	
Kyra ..	2	7	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.
La Mascotte ..	4	10	..	" ..	" ..	" ..	..	..	..	..	"
Larola ..	4	10	..	" ..	" ..	" ..	..	..	..	..	"
Lauderdale ..	719	135	734	Triple-expansion ..	" ..	Foreign trade ..	6	3	..	..	"
Little Jack ..	..	1½	..	Non-condensing ..	" ..	River ..	..	..	..	..
Lomen ..	..	6	..	Compound ..	" ..	" ..	..	..	..	..
Lupe ..	3	10	..	Oil-engine ..	" ..	" ..	..	..	..	..	First survey.
Lyttelton (Auckl'd) ..	24	80	231	Compound ..	" ..	Home trade ..	1	2	..	..
Lyttelton (Lyttel'n) ..	1	133	1,000	" ..	Twin-screw ..	Extended river ..	..	..	..	..	Late "Canterbury"; tug.
Magic ..	58	60	..	Oil-engine ..	Screw ..	Home trade ..	2	..	..	..
Maheno ..	24	60	..	" ..	Twin-screw ..	River ..	..	..	..	..
Mahurangi ..	95	39	..	Compound ..	Screw ..	Extended river ..	..	..	..	..
Mahuta ..	13	13	..	" ..	" ..	River ..	..	..	..	..
Maidi ..	12	10½	..	" ..	" ..	" ..	..	..	..	..	Formerly oil-engine.
*Maitai ..	1,888	490	3,626	Triple-expansion ..	" ..	Foreign trade ..	9	9	3	3	
*Mana ..	77	25	150	Compound ..	" ..	Home trade ..	2	2	..	..
Manaia ..	3	7	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Manaroa ..	78	24	151	Compound ..	" ..	Home trade ..	2	2	..	..
Manuka ..	2,784	357	4,155	Triple-expansion ..	Twin-screw ..	Foreign trade ..	11	9	6	3	
Manukau ..	45	15	..	Compound ..	Screw ..	Extreme limits ..	2	..	..	..
Manurere ..	..	3½	..	Quadruple-expansion ..	" ..	River ..	..	..	..	..
Maori (Dunedin) ..	1,433	..	5,859	Turbines ..	Triple screw ..	Home trade ..	8	15	9	3	
Maori (Havelock) ..	6	8	..	Oil-engine ..	Screw ..	River ..	..	..	..	..	First survey.
Maori (Portage) ..	3	10	..	" ..	" ..	" ..	..	..	..	..	"
Mapourika ..	718	130	1,182	Triple-expansion ..	" ..	Home trade ..	7	3	2	3	
Maranui ..	4	5	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Mararoa ..	1,381	530	3,071	Triple-expansion ..	" ..	Foreign trade ..	8	9	6	3	
Maritana ..	4	8	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Mascotte (Wang'ui) ..	..	3	..	Non-condensing ..	" ..	River ..	..	..	..	..
Matariki ..	4	10	..	Oil-engine ..	" ..	" ..	..	..	..	..	First survey.
Matuku ..	..	4	..	Non-condensing ..	" ..	" ..	..	..	..	..
Maui ..	251	..	484	Compound ..	" ..	Home trade ..	4	3	..	..	Dredge.
Mavis ..	3	10	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Mawhera ..	292	168	1,012	Triple-expansion ..	" ..	Home trade ..	4	3	2	3	Dredge.
May ..	1	4	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
May Howard ..	55	45	..	" ..	" ..	Foreign trade ..	2	..	..	..
Mere Ana ..	4	12	..	" ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Merlin (Auckland) ..	..	..	..	Compound ..	" ..	River ..	..	..	..	..	Formerly oil-engine.
Merlin (Picton) ..	3	5	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.
Mermaid ..	4	7	..	" ..	" ..	" ..	..	..	..	..	"
Meteor ..	2	5	..	" ..	" ..	River ..	..	..	..	..	"
Midlothian ..	3	5	..	" ..	" ..	Restricted limits ..	..	..	..	..	"
Miro ..	3	4	..	" ..	" ..	River ..	..	..	..	..	"
Mizpah ..	3	5	..	" ..	" ..	" ..	..	..	..	..	"
Moana (Picton) ..	4	8	..	" ..	" ..	Restricted limits ..	..	..	..	..	"
Moerangi ..	16	27½	..	" ..	" ..	River ..	..	..	..	..
Mokoia ..	2,154	255	2,807	Triple-expansion ..	" ..	Foreign trade ..	10	9	6	3	
Monarch ..	4	10	..	Oil-engine ..	Twin-screw ..	River ..	..	..	..	..	First survey.
Mongonui ..	Under 20	..	5	Compound ..	Screw ..	" ..	..	..	..	..	"
Monica II ..	29	20	..	Triple-expansion ..	Twin-screw ..	Extreme limits ..	1	..	..	..
Monowai ..	2,137	290	2,795	" ..	Screw ..	Foreign trade ..	10	9	3	3	
Mororo ..	2	5	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Moturoa ..	10	10	..	Compound ..	" ..	" ..	..	..	..	..
Mountaineer ..	66	50	..	Compound ..	Paddle ..	" ..	..	..	..	..
Moura ..	1,247	275	1,865	Triple-expansion ..	Twin-screw ..	Foreign trade ..	8	6	3	3	
Mullogh ..	46	15	..	Vertical ..	Screw ..	Extended river ..	..	..	..	..
Muratai ..	5	14	..	Oil-engine ..	" ..	Restricted limits ..	..	..	..	..	First survey.

* Surveyed twice

RETURN of STEAMERS and OIL-ENGINE VESSELS to which CERTIFICATES of SURVEY were issued, &c.—*continued.*

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Muritai ..	10	22	..	Triple-expansion	Screw ..	River ..	..	..	..	..	First survey.
Namu ..	2	3	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	"
Naomi II ..	..	..	..	" ..	" ..	" ..	..	..	..	..	"
*Napier ..	48	30	96	Compound ..	" ..	Home trade ..	2	1	..	..	Trawler.
Natone ..	50	24	..	" ..	" ..	River ..	..	..	..	..	"
Nautilus (Gisborne)	29	18	..	" ..	" ..	Extended river	..	..	..	..	"
Nautilus (Onehunga)	6	6	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Navua ..	1,813	220	1,967	Triple-expansion	Twin-screw	Foreign trade	9	6	3	3	"
Nelly ..	3	8	..	Oil-engine ..	Screw ..	River ..	..	..	..	..	First survey.
Nellie Mason ..	14	15	..	" ..	" ..	" ..	..	..	..	..	"
Never Despair ..	..	1½	..	Non-condensing	" ..	" ..	..	..	..	..	Yacht.
Ngapuhi ..	299	160	613	Triple-expansion	Twin-screw	Home trade ..	5	3	..	..	"
Ngaru (Onehunga)	2	4½	..	Oil-engine ..	Screw ..	River ..	..	..	..	..	First survey.
Ngaru (Thames) ..	3	4	..	" ..	" ..	" ..	..	..	..	..	"
Ngatiawa ..	220	55	450	Compound ..	Twin-screw	Home trade ..	5	3	..	..	"
Ngatoro ..	583	..	735	Triple-expansion	Screw ..	" ..	5	3	..	..	"
Nicola ..	4	20	..	Oil-engine ..	" ..	Extended river	..	..	..	..	"
Nikau ..	98	..	256	Compound ..	" ..	Home trade ..	2	3	..	..	"
Nimrod ..	4	20	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Nina ..	7	2	..	Compound ..	" ..	" ..	..	..	..	..	"
No. 121 ..	394	100	..	" ..	Twin-screw	" ..	..	..	..	..	Dredge.
No. 222 ..	502	120	728	" ..	" ..	Home trade ..	5	3	..	..	"
No. 350 ..	488	93	630	Triple-expansion	" ..	" ..	5	3	..	..	"
No. 404 ..	211	78	436	Compound ..	" ..	River ..	..	..	..	..	"
Nopera ..	3	5	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	First survey.
Nora Niven ..	57	35	184	Triple-expansion	" ..	Home trade ..	2	3	..	..	Trawler.
Norval ..	50	20	..	Oil-engine ..	" ..	Extended river	..	..	..	..	"
Novelty ..	99	11	50	Compound ..	Screw ..	Foreign trade	2	1	..	..	"
Nydia ..	1	4	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Ohinemuri ..	73	26	68	Triple-expansion	" ..	Home trade ..	2	1	..	..	"
Ohura ..	34	25	..	Condensing ..	Twin-screw	River ..	..	..	..	..	"
O.K. ..	4	14	..	Oil-engine ..	Screw ..	Extended river	..	..	..	..	First survey.
Oleo ..	5	20	..	" ..	" ..	River ..	..	..	..	..	"
Ongarue ..	10	40	..	" ..	" ..	" ..	..	..	..	..	"
Opawa ..	64	18	82	Compound ..	" ..	Home trade ..	2	1	..	..	"
Opoutia ..	..	5	..	Non-condensing	" ..	River ..	..	..	..	..	"
*Orete ..	92	60	..	Oil-engine ..	" ..	Home trade ..	2	..	..	..	"
Orewa ..	37	17	72	Compound ..	" ..	" ..	2	1	..	..	"
Osprey ..	138	70	..	" ..	Paddle ..	River ..	..	..	..	..	"
Otunui ..	12	35	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	"
Paeroa ..	46	15	82	Compound ..	" ..	Home trade ..	2	1	..	..	"
*Paritutu ..	233	90	654	Triple-expansion	Twin-screw	" ..	4	3	..	..	Dredge.
Parua ..	3	10	..	Oil-engine ..	Screw ..	River ..	..	..	..	..	First survey.
Pateena ..	550	250	1,966	Compound ..	" ..	Home trade ..	6	6	3	3	"
Pauline ..	3	7½	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	First survey.
Pearl (Auckland) ..	6	..	..	" ..	" ..	Extended river	..	..	..	..	"
Pelican ..	1	57	292	Triple-expansion	" ..	Home trade ..	1	3	..	..	"
Pelorus ..	18	12	..	Oil-engine ..	" ..	River ..	..	..	..	..	"
Petone ..	388	82	495	Triple-expansion	" ..	Home trade ..	4	3	..	..	"
Petrel ..	3	10	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Phantom ..	18	11	..	Compound ..	" ..	Extended river	..	..	..	..	"
Pilot (Wellington)	27	15	..	Triple-expansion	" ..	River ..	..	..	..	..	"
Pilot (Napier) ..	11	13	..	Compound ..	" ..	Extended river	..	..	..	..	"
Pitoitoti (Waitara)	19	15	Under 50	" ..	" ..	Home trade ..	1	1	..	..	"
Pitoitoti (Auckland)	28	13½	..	" ..	" ..	Extended river	..	..	..	..	"
Planet ..	4	..	..	" ..	" ..	River ..	..	..	..	..	"
Plucky ..	29	40	267	" ..	" ..	Home trade ..	1	3	..	..	Tug.
Poharua ..	749	128	703	Triple-expansion	" ..	" ..	6	3	..	..	"
Pukaki ..	917	110	646	Quadruple-expansion	" ..	" ..	6	3	..	..	"
Purau ..	38	18	..	Compound ..	Twin-screw	Extended river	..	..	..	..	"
Putiki ..	157	60	296	" ..	Screw ..	Home trade ..	4	3	..	..	"
Queen of the South	121	40	188	" ..	" ..	" ..	4	2	..	..	"
Ralaco ..	2	10	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Rarawa ..	460	140	1,082	Triple-expansion	" ..	Home trade ..	6	3	2	3	"
Redwing ..	5	12	..	Oil-engine ..	" ..	Extended river	..	..	..	..	First survey.
Regal ..	1½	10	..	" ..	" ..	River ..	..	..	..	..	"
Regulus ..	227	150	659	Compound ..	Twin-screw	Home trade ..	4	3	..	..	"
Reliance ..	..	24	..	Non-condensing	Stern-wheel	River ..	..	..	..	..	Late Kia Ora.
Rene ..	4	10	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	First survey.
Reremoana ..	14	50	..	" ..	" ..	" ..	..	..	..	..	"
Result ..	18	10	..	Compound ..	" ..	Extended river	..	..	..	..	"
Rimu ..	144	95	537	Triple-expansion	" ..	Foreign trade	4	3	..	..	"
Ripple (Auckland)	8	..	..	Oil-engine ..	" ..	River ..	..	..	..	..	"
Ripple (Lyttleton)	187	60	289	Triple-expansion	" ..	Home trade ..	4	2	..	..	"

* Surveyed twice.

RETURN of STEAMERS and OIL-ENGINE VESSELS to which CERTIFICATES of SURVEY were issued, &c.—*continued.*

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Rongotai ..	5	10	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	First survey.
Rosamond ..	462	90	451	Compound ..	" ..	Home trade ..	5	3	..	..	First survey.
Rose ..	4	10	..	Oil-engine ..	" ..	River ..	..	..	..	..
Rotokohu ..	11	8	..	Compound ..	" ..	Extended river	..	..	..	..
Rotomahana (Auckland)	139	50	241	" ..	" ..	Home trade ..	4	2	..	..
Rubi Seddon ..	349	80	..	Triple-expansion	Twin-screw	Extended river	..	..	..	..
Ruru (Napier) ..	58	50	212	Compound ..	Screw ..	Home trade ..	2	2	..	..	First survey.
St. George ..	2	8	..	Oil-engine ..	" ..	River ..	..	..	..	..
Samson ..	4	16	..	" ..	" ..	" ..	..	..	..	..
Savaii ..	31	16	..	Condensing ..	" ..	Extended river	..	..	..	..	"
Scout ..	4	20	..	Oil-engine ..	" ..	" ..	..	..	..	..	"
Sea Gull ..	3	7	..	" ..	" ..	" ..	..	..	..	..	"
Sea Wolf ..	5½	28	..	" ..	" ..	Extended river	..	..	..	..	"
Selwyn ..	15	30	..	" ..	" ..	Foreign trade	1	..	..	..	"
Settler (Kaipara)	8	7	..	Compound ..	" ..	River ..	..	..	..	..
Settler (Thames)	6	18	..	Oil-engine ..	" ..	" ..	..	..	..	..
Shamrock ..	60	120	..	" ..	" ..	Home trade ..	2	..	..	..
Southern Cross ..	403	117	518	Triple-expansion	" ..	Foreign trade	6	3	..	..
Southern Isle ..	59	28	..	Oil-engine ..	" ..	Home trade ..	2	..	..	..
Sparrow ..	..	1½	..	Triple-expansion	" ..	River ..	..	..	..	..	First survey.
Spray ..	2	3	..	Oil-engine ..	" ..	" ..	..	..	..	..
Standard ..	9	10	..	" ..	" ..	" ..	..	..	..	..
Stella (Auckland)	157	90	238	Compound ..	" ..	Home trade ..	4	3	..	..	First survey.
Stella (Whangarei)	3½	8	..	Oil-engine ..	" ..	River ..	..	..	..	..
Sterling (Helensville)	26	39	261	Compound ..	" ..	Home trade ..	1	3	..	..
Sterling ..	4	12	..	Oil-engine ..	" ..	Extended river	..	..	..	..	First survey.
Storm ..	186	70	271	Compound ..	" ..	Home trade ..	4	3	..	..
Stormbird ..	129	40	205	" ..	" ..	" ..	4	2	..	..
Success (Auckland)	8	8	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Sumner ..	94	35	..	Compound ..	" ..	Extended river	..	..	..	..	First survey.
Sunbeam ..	2	4½	..	Oil-engine ..	" ..	River ..	..	..	..	..
Swan (Whangarei)	4	..	..	Compound ..	Screw ..	" ..	..	..	..	..
Swan (Gisborne) ..	16	..	10	" ..	" ..	Restricted limits	..	..	..	..
Tainui ..	60	..	147	" ..	Screw ..	Home trade ..	2	2	..	..
Takapuna (Auckland)	58	20	..	Non-condensing	Paddle ..	River ..	..	..	..	..
Takapuna (Dunedin)	472	165	1,413	Compound ..	Screw ..	Home trade ..	6	6	3	3	
Talune ..	1,370	255	1,765	Triple-expansion	" ..	Foreign trade	8	6	3	3	
Tangaroa ..	110	70	..	Compound ..	" ..	Extended river	..	..	..	..
Taniwha (Auckland)	191	40	..	" ..	Twin-screw	" ..	..	..	..	..
Taniwha (Timaru)	16	16	..	Non-condensing	Screw ..	" ..	..	..	..	..
Tarakihi ..	..	4	..	" ..	" ..	River ..	..	..	..	..
Tarawera ..	1,269	250	1,500	Compound ..	" ..	Foreign trade	8	6	3	3	
Tarewai ..	11	6	..	Non-condensing	" ..	River ..	..	..	..	..
Tasman ..	87	45	203	Compound ..	" ..	Home trade ..	2	2	..	..
Taviuni ..	974	..	811	Quadruple-expansion	" ..	Foreign trade	6	3	2	3	
Tawera (Auckland)	44	40	..	Oil-engine ..	" ..	Extended river	..	..	..	..
Tawera (Te Anau)	..	14	56	Compound ..	" ..	River ..	..	..	..	..
Te Anau ..	1,028	250	1,245	" ..	" ..	Home trade ..	8	3	2	3	
Te Aumiti ..	3	10	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Te Awhina ..	2	99	544	Triple-expansion	" ..	Home trade ..	1	3	2	3	Tug.
Te Kooti ..	2	5	..	Oil-engine ..	" ..	River ..	..	..	..	..	First survey.
Te Pioneer ..	24	..	58	Compound ..	" ..	Home trade ..	1	1	..	..
Te Whaka ..	140	45	..	" ..	" ..	River ..	..	..	..	..
Terawhiti ..	47	90	846	Triple-expansion	" ..	Home trade ..	2	3	..	..	Tug.
Theresa Ward ..	9	95	464	" ..	" ..	" ..	1	3	..	..	"
Thistle ..	77	90	..	Oil-engine ..	" ..	" ..	2	..	..	..
Thomas King ..	70	16	..	Non-condensing	" ..	Extended river	..	..	..	..
Tio ..	3	10	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	First survey.
Tiro ..	3	5	..	" ..	" ..	River ..	..	..	..	..
Tofua ..	2,634	355	3,234	Triple-expansion	Twin-screw	Foreign trade	11	9	6	3	
Togo ..	..	14	..	Compound ..	" ..	River ..	..	..	..	..
Traveller ..	..	8	..	" ..	Screw ..	" ..	..	..	..	..
Tuatea ..	58	28	230	" ..	" ..	Home trade ..	2	2	..	..
Tu Atu ..	30	48	..	Oil-engine ..	Twin-screw	Extended river	..	..	..	..	First survey.
Tui (Nelson)	1	5	..	" ..	Screw ..	Restricted limits	..	..	..	..
Tui (Picton)	1	1½	..	" ..	" ..	" ..	..	..	..	..
Tukua ..	11	9	..	" ..	" ..	River ..	..	..	..	..	"
Turanga ..	18	25	..	" ..	" ..	Extended river	..	..	..	..
Uta ..	23	50	..	" ..	" ..	" ..	..	..	..	..
Vaite ..	92	54	..	" ..	" ..	Foreign trade	2	..	..	..	First survey.
Viking ..	4	7	..	" ..	" ..	River ..	..	..	..	..	"

* Surveyed twice.

RETURN of STEAMERS and OIL-ENGINE VESSELS to which CERTIFICATES of SURVEY were issued, &c.—*continued*.

Name of Vessel	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Vivid	6	13	..	Non-condensing	Screw ..	River	First survey.
Vixen	15	24	..	Oil-engine ..	Twin-screw	Home trade ..	1	..	..	..
Waihora ..	2,993	410	2,030	Triple-expansion	"	Foreign trade ..	10	6	3	3	
Waikana ..	66	..	200	Compound ..	"	River	First survey.
Waima	6	20	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Waimarie (Auckland)	159	48	..	Compound ..	"	Extended river	..	..	..	..
Waimarie (Wanganui)	53	20	..	Non-condensing	Paddle ..	River	First survey.
Wainui (Picton) ..	2	5	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Waione	48	80	..	Compound ..	"	River ..	..	..	..	..
Waiora	66	"	"	"	
Waiotahi ..	168	56	313	"	Twin-screw	Home trade ..	4	3	..	..
Waiopori ..	1,229	180	953	Triple-expansion	Screw ..	Foreign trade ..	7	3	2	3	
Wairau	60	20	148	Compound ..	"	Home trade ..	2	2	
Waireka	72	..	240	Triple-expansion	Twin-screw	River ..	..	..	..	..
Wairoa (Nelson) ..	48	20	52	Compound ..	Screw ..	Home trade ..	2	1	..	..
Wairoa (Kaipara) ..	49	40	125	Condensing ..	"	"	2	2	
Wairua .. ..	..	5	66	Compound ..	"	River ..	..	..	..	..
Wairuna	2,530	369	2,182	Triple-expansion	"	Foreign trade ..	10	6	3	3	
Waitangi (Auckland)	34	62	344	Compound ..	Twin-screw	Home trade ..	2	3	First survey.
Waitaria	2	5	..	Oil-engine ..	Screw ..	River ..	..	..	..	..
Waitemata ..	3,460	258	2,391	Triple-expansion	"	Foreign trade ..	11	9	6	3	
Waitohi	18	10	..	"	"	Extended river	
Waiwera (Thames) ..	..	..	..	Oil-engine ..	"	River ..	..	..	..	..
Wakapai .. ..	..	10	100	Compound ..	"	"	..	..	..	..
Wakatere	157	140	..	"	Paddle ..	"	
Wakatu	95	23	149	"	Screw ..	Home trade ..	2	2	..	..
Wanaka	1,572	280	1,008	Triple-expansion	"	Foreign trade ..	8	3	2	3	
Water-lily ..	18	10	..	Oil-engine ..	"	Home trade ..	1	
Waverley	93	25	104	Compound ..	Twin-screw	"	2	2	..	..
Weka (Auckland) ..	86	27	..	"	"	River ..	..	..	..	..
Weka (Napier) ..	53	20	98	"	Screw ..	Home trade ..	2	2	First survey.
Whaka	2	10	..	Oil-engine ..	"	River ..	..	..	..	..
Whakarire ..	449	120	630	Compound ..	Twin-screw	Home trade ..	5	3	..	..
Whangape ..	1,901	280	1,186	Triple-expansion	Screw ..	Foreign trade ..	8	3	2	3	Dredge.
Whati .. ..	..	13	..	Non-condensing	"	River ..	..	..	..	..
Wootton	90	33	121	Compound ..	"	Home trade ..	2	2	..	..
Young Bungaree ..	47	35	107	"	"	"	2	2	First survey.
Zealandia ..	1	4	..	Oil-engine ..	"	River ..	..	..	..	..
Zephyr	4	7	..	"	"	Restricted limits	..	..	..	..

RETURN of SAILING-SHIPS TO WHICH SURVEY CERTIFICATES WERE GRANTED DURING THE YEAR
ENDED 31ST MARCH, 1912.

Name of Vessel.	Tons Register.	Class of Certificate.	Minimum Number of Seamen required by Law to be carried.			Remarks.
			Able Seamen.	Ordinary Seamen.	Boys.	
Alert.. ..	98	Home trade ..	2	1	..	Wrecked.
Alma	56	"	2	..	..
Amelia Sims ..	98	Intercolonial ..	2	1	..	
Annie Hill ..	121	Home trade ..	4	..	1	
Aratapu	122	"	4	..	1	
Atalanta ..	23	"	1	..	..
Awanui	85	"	2	1	..	
Bee	24	"	1	..	..
Bell Flower ..	98	"	2	1	..	
Bravo	99	"	2	1	..	
Carla.. ..	309	Intercolonial ..	6	1	1	
Cead Mile Failte ..	63	Home trade ..	2	1	..	
Clio	81	"	2	1	..	
Clyde	87	Intercolonial ..	2	1	..	
Combine	24	Home trade ..	1	..	..
Comet	20	"	1	..	..
Coronation ..	85	"	2	1	..	
Ourlew	96	"	2	1	..	
Dartford	1,218	Intercolonial ..	10	2	3	
Deveron	26	Home trade ..	1	..	..
Dominion	25	"	1	..	..
Edna	15	"	1	..	..
Eliza Firth ..	143	"	4	..	1	
Esme	20	"	1	..	..
Ethel Wells ..	19	"	1	..	..
Eunice	171	"	4	..	1	
Falcon	98	"	2	1	..	
Gannet	25	"	1	..	..
Glenae	11	"	1	..	..
Haere	99	"	2	1	..	
Havoc	69	"	2	1	..	
Hawk	139	Intercolonial ..	4	..	1	
Herald	73	Home trade ..	2	1	..	
Hikurangi ..	74	"	2	1	..	
Huia	20	"	1	..	..
Irene	30	"	2	..	..
Isabella de Fraine ..	93	Intercolonial ..	2	1	..	
James Craig ..	646	"	8	1	2	
Jessie Craig ..	634	"	8	1	2	
Joseph Craig ..	694	"	8	1	2	
Joseph Sims ..	87	Home trade ..	2	1	..	
Kahu	27	"	1	..	..
Kereru	100	Intercolonial ..	2	1	..	
Kiatea	20	Home trade ..	1	..	..
Kaitere	11	"	1	..	..
Kitty Fraser ..	25	"	1	..	..
Kiwi	17	"	1	..	..
Lady of the Lake ..	19	"	1	..	..
Lily	84	"	2	1	..	
Lizzie Taylor ..	77	"	2	1	..	
Lobo	860	Intercolonial ..	9	2	2	
Louisa Craig ..	682	"	8	1	2	
Maid of Italy ..	15	Home trade ..	1	..	..
Mana	22	"	1	..	..
Marjorie Craig ..	499	Intercolonial ..	7	1	1	
Matakana ..	17	Home trade ..	1	..	..
Moa	99	"	2	1	..	
Moehau	23	"	1	..	..
Moonah	83	"	2	1	..	
Morning Light ..	92	"	2	1	..	
Ngaru	66	"	2	1	..	
Nor'west	18	"	1	..	..
Northern Chief ..	263	Intercolonial ..	5	1	1	
Oban.. ..	39	Home trade ..	2	..	..
Orakei	32	"	2	..	..
Pearl Kasper ..	25	"	1	..	..
Pukapuka	23	"	1	..	..
Rambler	77	"	2	1	..	
Rangi	86	"	2	1	..	
Result	23	"	1	..	..
Rimu	53	"	2	1	..	
Rona	618	Intercolonial ..	8	1	2	
Rosalie	7	Home trade ..	1	..	..
Scot	18	"	1	..	..
Sea Gull	19	"	1	..	..
St. Ann	19	"	1	..	..
Talisman	84	"	2	1	..	
The Portland ..	59	"	2	1	..	
Three Cheers ..	97	"	2	1	..	
Toafa Haamea ..	53	Intercolonial ..	2	1	..	
Tramp	86	Home trade ..	2	1	..	
Transit	19	"	1	..	..
Vindex	23	"	1	..	..
Violet	167	"	4	..	1	
Waikonini	60	"	2	1	..	
Wanderer	85	"	2	1	..	
Welcome	62	"	2	1	..	
Winnie	19	"	1	..	..
Ysabel	149	"	4	..	1	

RETURN SHOWING NUMBER OF FISHING-BOATS REGISTERED AND LICENSED AT EACH PORT DURING THE YEAR ENDED 31ST DECEMBER, 1911.

Port.	Number registered.	Number licensed.	Port.	Number registered.	Number licensed.
Auckland	249	249	Brought forward	950	886
Bluff	86	86	New Plymouth	29	29
Chatham Islands	13	13	Oamaru	35	32
Dunedin and Port Chalmers	92	92	Pictou	36	36
Greymouth	6	6	Poverty Bay	26	11
Hokitika	4	4	Russell	59	59
Hokianga	41	11	Tauranga	103	30
Invercargill	38	38	Thames	40	33
Kaipara	73	40	Timaru	30	30
Lytelton	210	210	Wairau	10	6
Mangonui	15	15	Wanganui	6	6
Napier	65	65	Wellington	130	57
Nelson	58	57	Westport	16	16
Carried forward	950	886	Totals	1,470	1,231

STATEMENT SHOWING PROSECUTIONS INSTITUTED BY THE MARINE DEPARTMENT IN CONNECTION WITH FISH AND OYSTERS.

Name of Persons.	Offence.	Fine imposed.
T. Clements	Using unlicensed fishing-boat	Convicted, but no fine.
T. Lambert	"	Convicted, but no fine.
E. Martin	Illegally taking oysters	£1 and costs.
E. P. Levien	Allowing flax-mill refuse to go into river	£1 and costs.
H. Jarvis	"	£3 and costs.
M. Edwards and R. Wallas	Illegally taking flounders	£5 and costs each.
H. Jones	"	£1 and costs.
J. Stratz	"	£1 and costs.
M. Edwards	Using an unlicensed boat	10s. and costs.
— King	Catching whitebait in illegal manner	£1 and costs.
A. Cuttush	"	£1 and costs.
B. Hart	"	£1 and costs.
W. Howe	"	£1 and costs.
W. Clareburt	Illegally taking oysters	£1 and costs.
W. Pollett	"	£1 and costs.
G. Avery	"	£1 and costs.
N. Beer	Having in "possession undersized flounders	£1 and costs.
J. Cosgrove	"	£1 and costs.
C. Legge	Illegally taking oysters	£5 and costs.
B. McGuinness	"	£5 and costs.
A. M. Ellis	"	£2 and costs.
H. M. Hansen	Emptying net on dry land	£2 and costs.
J. Brown	Trawling in prohibited area	£5 and costs.
H. Tate	"	Convicted, and to pay costs.
W. Moss	Illegally taking oysters	£2 and costs.
W. Watson	"	£1 and costs.

LIST OF BOYS WHO JOINED S.S. "AMOKURA" PRIOR TO 31ST MARCH, 1912.

Name.	Date of Joining.	Date of Discharge.	Occupation taken up on Discharge.
Whitelaw, L. C.	12/3/07	21/6/08	Joined s.s. "Kittawa" as O.S.
Canavan, C. F.	12/3/07	10/9/08	Discharged, owing to sickness.
Hannan, J. M.	20/3/07	6/9/08	Joined s.s. "Tutanekai" as O.S.
Stemp, A. H.	12/3/07	16/11/08	" "Ripplingham Grange" as O.S.
Macvean, D. E. J.	12/3/07	29/9/08	" "Pateena" as O.S.
Reeves, J. M.	17/3/07	29/9/08	" "Putiki" as O.S.
Campbell, J. A.	15/3/07	15/11/08	" "Tutanekai" as O.S.
Holder, R.	22/3/07	13/5/09	" "Rotoiti" as O.S.
Heaphy, E. A.	20/3/07	24/9/08	Joined schooner "Clyde" as O.S.
Miller, C.	27/5/07	25/11/08	" barquentine "Helga" as O.S.
Johnstone, J. A.	14/3/07	25/11/08	" " "as boy.
Guthrie, T. J.	12/3/07	27/11/08	" s.s. "Maori" as O.S.
Schlaadt, E. A.	20/3/07	10/12/08	" " "Monowai" as O.S.
McKay, F. D.	16/3/07	13/12/08	Did not go to sea; working on vessels in port
McKay, H.	16/3/07	13/12/08	Working on dredges on River Molyneux
McNabb, C. H.	30/5/07	13/12/08	Joined s.s. "Warrimoo" as O.S.
Tait, G.	21/3/07	13/9/08	Discharged on parents' request.
Varcoe, C.	31/5/07	13/12/08	Joined s.s. "Waikare" as O.S.
Macalister, J.	22/3/07	17/6/08	Discharged on parents' request.

LIST OF BOYS WHO JOINED S.S. "AMOKURA" PRIOR TO 31ST MARCH, 1912—*continued.*

Name.	Date of Joining.	Date of Discharge.	Occupation taken up on Discharge.
Hay, E. D.	21/3/07	8/1/09	Joined "Joseph Craig" as O.S.
Hay, V. J.	21/3/07	8/1/09	" " "Marjorie Craig" as O.S.
Marshall, G. W.	14/3/07	2/2/09	" " "Jessie Craig" as O.S.
Mitchell, D.	5/7/07	2/2/09	" s.s. "Wakanui" as O.S.
Neels, R.	12/3/07	8/2/09	" " "Manapouri" as O.S.
Scott, W. V. A.	17/5/07	8/2/09	" " "Kini" as O.S.
Ellisson, L. G.	27/6/07	8/2/09	" " "Hinemoa" as O.S.
Taylor, W. H.	15/7/07	8/2/09	" " " " as boy.
Walker, J. E.	15/5/07	18/2/09	" " "Te Anau" as O.S.
Nelson, F.	24/6/07	1/3/09	" " "Maori" as O.S.
Seymour, W.	28/5/07	4/3/09	" " "Takapuna" as O.S.
Trudgeon, A.	22/5/07	21/5/09	Training completed; returned home at parents' request.
Davies, H.	17/10/07	11/5/09	Joined s.s. "Moana" as O.S.
Burborough, W. H.	3/12/07	17/5/09	" H.M.S. "Challenger" as boy.
Grace, I. W.	30/10/07	17/5/09	" " " "
Brown, D. M.	22/10/07	17/5/09	" " " "
Talbot, P. D.	3/7/07	24/5/09	" s.s. "Maori" as O.S.
Wyllie, E.	7/11/07	17/5/09	" " "Hinemoa" as boy.
Kemp, R.	29/3/07	16/4/09	Training completed; returned home at parents' request.
Fea, D.	15/5/07	25/7/08	Discharged on parents' request.
Langmuir, I.	18/6/07	27/4/09	Training completed; returned home at parents' request.
Soper, A. H.	3/11/08	18/5/10	Joined H.M.S. "Pioneer" as boy.
McCullough, C. C.	22/5/07	1/6/09	" s.s. "Pateena" as O.S.
Hurley, G. A. R.	22/2/09	8/8/10	" " " " as O.S.
Bond, B.	2/7/07	2/7/09	" " "Ngatiawa" as O.S.
Holder, F.	4/2/08	14/12/09	" " "Maori" as O.S.
Tindall, W. H. A.	3/11/08	12/6/10	" " "Kennedy" as O.S.
Diggle, N.	22/7/07	10/8/09	" " "Manapouri" as boy.
Manson, R. V.	24/7/07	28/8/09	" " "Putiki" as O.S.
Woods, G.	15/10/07	27/9/09	" barque "Joseph Craig" as O.S.
Ford, J. J.	15/8/07	22/9/09	" ship "Dartford" as cadet.
Dyte, N. V.	19/10/07	28/3/08	Discharged to return home.
Groves, W.	22/10/07	24/10/09	Returned home, as training complete.
McNeillage, R.	18/10/07	9/7/09	Joined s.s. "Moana" as O.S.
Carr, O. G.	14/11/08	24/11/08	Discharged to return home.
Arthur, T. S. E.	31/10/07	7/6/09	Joined s.s. "Rimutaka."
Sharpe, C.	27/10/07	9/9/09	" " "Nikau" as O.S.
Sharpe, G.	27/10/07	12/6/09	" " "Queen of the South" as O.S.
Lawton, C. J.	20/1/08	8/2/10	" Union Steamship Company's shore staff.
Welham, R. F.	24/4/08	1/11/09	" s.s. "Ngapuhi" as O.S.
Cullen, B. M.	1/2/08	28/9/09	" " "Hinemoa" as O.S.
Powell, W. J.	23/2/08	26/8/09	" " "Tutanekai" as O.S.
Jansen, G.	23/1/08	25/1/08	Discharged to return home.
Sarginson, E. C.	28/2/08	22/9/09	Joined ship "Dartford" as cadet.
Millard, W. G. W.	12/7/08	29/9/09	" " " "
Maisey, J. F.	9/7/08	14/12/09	" s.s. "Maori" as O.S.
Clarke, V. C. M.	4/11/08	24/5/10	" " "Rotoiti" as O.S.
Martin, S. E.	30/9/08	30/5/10	" barque "Rona" as O.S.
Breach, H. E.	9/9/08	14/12/09	" s.s. "Maori" as O.S.
Mahoney, E. L. G.	20/11/08	3/9/10	" " "Moana" as O.S.
Miles, P. A.	19/11/08	5/5/10	" " "Putiki" as O.S.
Olson, E. N.	18/9/08	24/5/10	" " "Tainui" as O.S.
Inglis, A. L.	16/2/09	22/6/10	" barque "Speculant" as O.S.
Haines, H. F.	10/2/09	5/8/10	" s.s. "Warrimoo" as boy.
Hucks, R. H.	12/2/09	18/5/10	" H.M.S. "Pioneer" as boy.
Carston, A. C.	21/2/09	10/10/10	" s.s. "Kennedy" as O.S.
Burrows, J. F.	16/2/09	18/5/10	" H.M.S. "Pioneer" as boy.
Bennett, H. E.	12/2/09	6/9/10	" s.s. "Kennedy" as O.S.
McGregor, A.	9/2/09	4/9/10	" " "Pateena" as boy.
Wagstaff, T. R.	12/2/09	19/10/10	" " "Aorangi" as O.S.
Jenkins, P. J.	3/4/09	16/1/11	" scow "Whangaroa" as O.S.
Burnside, V.	28/3/09	5/8/10	" s.s. "Pateena" as boy.
Culling, S. G.	27/2/09	7/9/10	" " "Moana" as O.S.
Cree, J.	27/2/09	6/10/10	" " "Moa" as O.S.
Fisher, B. F.	30/6/08	4/5/10	" " "Maori" as boy.
McDougall, J. F.	29/3/09	1/8/10	" " "Rosamond" as O.S.
Rutledge, R.	6/4/09	10/10/10	" " "Queen of the South" as O.S.
Day, G. R. H.	25/5/09	16/1/11	" " " "
Sturgess, W. G.	25/5/09	18/5/10	" H.M.S. "Pioneer" as boy.
Grieve, C. R.	30/5/09	29/11/10	" s.s. "Mokoia" as O.S.
Washer, H. L.	31/5/09	16/1/11	" " "Rosamond" as O.S.
Herring, C.	4/6/09	16/1/11	" " "Himitangi" as O.S.
Martin, E. W.	8/6/09	16/1/11	" " "Putiki" as O.S.
Smith, V.	11/6/09	16/1/11	" " "Hinemoa" as boy.
Hood, J. J.	11/6/09	15/12/10	" " "Nikau" as O.S.
Wait, A. G.	17/6/09	20/1/11	" " "Star of Scotland" as O.S.
Latimer, A. E. C.	28/6/09	21/1/11	" barque "Helen Denny" as O.S.
Darlow, F. J.	21/7/09	8/2/10	Written off as a deserter.
Chapple, H. M. B.	27/7/09	21/1/11	Joined s.s. "Haupiri" as O.S.
Dalzell, St. J. C.	6/8/09	25/5/11	" " "Alexander" as O.S.
Stone, H. O.	28/8/09	8/6/11	" H.M.S. "Pioneer" as boy.
Hay, H. L.	5/9/09	1/5/11	" s.s. "Nerehana" as O.S.
Soper, A. F.	8/9/09	17/6/11	" " "Arahura" as boy.
Watson, C. H.	14/9/09	12/6/11	" " "Poherua" as O.S.
Moir, T. P.	18/9/09	17/5/11	" " "Aorangi" as O.S.
McLeish, D. N.	22/9/09	2/5/11	" " "Kaitoa" as O.S.
Brennan, W.	29/9/09	12/6/11	" " "Kaiapoi" as O.S.

LIST OF BOYS WHO JOINED S.S. "AMOKURA" PRIOR TO 31ST MARCH, 1912—*continued.*

Name.	Date of Joining.	Date of Discharge.	Occupation taken up on Discharge.
Lawson, R.	5/10/09	9/6/11	Joined s.s. "Kaitoa" as O.S.
Scaife, J.	5/10/09	2/5/11	" " "Muritai" as O.S.
Wilson, J.	27/10/09	1/6/11	" " "Manuka" as O.S.
Satherley, H. G. B.	30/10/09	19/6/11	" " "Takapuna" as O.S.
Foreman, J. W.	28/10/09	1/5/11	" " "Ngahere" as O.S.
King, C. F.	28/10/09	24/7/11	" " "Stormbird" as O.S.
Todd, C. C.	1/11/09	22/8/11	" " "Maitai" as boy.
Brown, J. P. G.	26/10/09	23/12/09	Discharged, medically unfit.
Small, F.	8/11/09	18/6/11	Joined s.s. "Moa" as O.S.
Swinbourne, T. H.	10/11/09	8/6/11	" H.M.S. "Pioneer" as boy.
Gaby, C. J. M.	19/1/10	28/6/11	" barque "Alexa" as O.S.
Jenkins, W. H. P.	15/1/10	28/6/11	" as boy.
Collans, G. M.	20/1/10	21/8/11	" H.M.S. "Challenger" as boy.
Birse, A. S.	19/1/10	3/7/11	" s.s. "Putiki" as O.S.
Jory, H. D.	19/1/10	18/10/11	" " "Rosamond" as O.S.
Middleton, W.	19/1/10	30/8/11	" " "Poherua" as O.S.
Magnusson, E. R. H.	9/5/10	8/6/11	" H.M.S. "Pioneer" as boy.
Healey, A. C.	20/2/10	17/8/11	" s.s. "Himitangi" as O.S.
Patton, T. W.	2/6/10	8/6/11	" H.M.S. "Pioneer" as boy.
Eagle, C. L.	2/6/10	16/12/11	" s.s. "Arahura" as boy.
Brown, C. E.	8/6/10	29/2/12	" schooner "Lizzie Taylor" as O.S.
Turvey, F. O.	10/6/10	11/1/12	" s.s. "Mararoa" as boy.
Cuddon, W. S. F.	10/6/10	15/3/12	" " "Waitemata" as O.S.
Silvester, G.	11/6/10	15/1/12	" " "Poherua" as O.S.
Freeman, W. J.	11/6/10	23/1/12	" " "Putiki" as O.S.
McNeil, W. H.	15/6/10	16/12/11	" " "Kini" as O.S.
Young, H. R.	22/6/10	..	Still on board.
Berry, N. L.	3/7/10	8/1/12	Joined s.s. "Putiki" as O.S.
Friston, E. O.	15/7/10	..	Still on board.
Cole, S. E.	29/8/10	8/6/11	Joined H.M.S. "Pioneer" as boy.
Bradcock, S. H.	1/9/10	24/2/12	" s.s. "Mararoa" as boy.
Morrissey, W.	1/9/10	23/3/12	" " " " as O.S.
Kelsey, W. G.	9/9/10	..	Still on board.
Ellis, J. R.	27/9/10	..	"
Frame, F. E.	27/9/10	..	"
Lippert, L. O. R.	30/9/10	..	"
Rasmussen, C. F.	18/10/10	..	"
Walker, L.	19/10/10	..	"
Foster, A. G.	27/10/10	..	Discharged.
Fitzsimmons, A. J.	27/10/10	..	Still on board.
Fox, R. V.	27/10/10	..	"
Cory, G. E.	21/1/11	..	"
Cox, A. J.	21/1/11	..	"
Miller, H. J.	28/1/11	..	"
Martin, M.	28/1/11	..	"
Drummond, G.	28/1/11	..	"
Freeman, G. H.	28/1/11	..	"
Bower, D. W. C.	28/1/11	..	"
Kemp, H. E.	11/2/11	..	"
Billett, L. J.	11/2/11	..	"
Reeves, A.	18/5/11	..	"
Page, R. K.	19/5/11	..	"
Kevill, R.	19/5/11	..	"
Fisher, S. F.	20/5/11	..	"
Manson, P. C.	1/6/11	..	"
Cain, W. G.	2/6/11	..	"
Paterson, W. H.	22/6/11	..	"
Christie, E. G.	24/6/11	..	"
Hood, J. L.	29/6/11	..	"
Westrupp, A. W.	9/7/11	..	"
Bray, H. L.	7/7/11	..	"
McKenzie, A. M. B.	9/7/11	..	"
Maney, E. O.	10/7/11	..	"
Asher, I.	11/7/11	..	"
Dowell, A. J.	11/7/11	..	"
Watt, J. W.	11/7/11	..	"
Uridge, R. W.	11/7/11	..	"
Gordon, W. J.	12/7/11	..	"
Hastie, J. D.	14/7/11	..	"
Lunn, E. S.	11/7/11	..	"
Rawlins, A. E.	11/7/11	..	"
Carr, F. J.	27/8/11	..	"
Gilbertson, P. A.	29/8/11	..	"
Warren, G. N.	29/8/11	..	"
Bromwell, M. C.	30/8/11	..	"
Edwards, C. G. F.	13/9/11	..	"
Prideaux, H. A.	15/9/11	..	"
McFarlane, B. W.	26/9/11	..	"
Farrow, V. R.	11/10/11	..	"
Tarbutt, G. S.	25/1/12	..	"
Cullen, C. G.	25/1/12	..	"
Morrison, A. P.	25/1/12	..	"
Taylor, S. J. W.	25/1/12	..	Returned to care of Education Department.
Burton, C. W.	25/1/12	..	Still on board.
Brockett, H. A.	25/1/12	..	"

RETURN OF ESTATES OF DECEASED SEAMEN RECEIVED AND ADMINISTERED IN PURSUANCE OF THE PROVISIONS OF THE SHIPPING AND SEAMEN ACT, 1908, DURING THE YEAR ENDED 31ST MARCH, 1912.

Name of Seaman.	Balance to Credit of the Estate on 31st March, 1911.	Amount received.	Amount paid.	Balance to Credit of the Estate on 31st March, 1912.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Andrew Logan Ross	42 2 6	1 0 0	41 2 6
William Nockels	7 17 0	7 17 0	.. .. .
John Jorgensen	42 12 5	2 0 0	40 12 5
Lauritz Olsen	17 7 0	2 0 0	15 7 0
Christopher Hasler	7 4 9	.. .. .	7 4 9	.. .. .
Samuel A. Johansen	7 19 3	7 19 3	.. .. .
Laurence Galacious	10 6 8	.. .. .	10 6 8	.. .. .
John Alexander Crynes	4 7 2	4 7 2	.. .. .
Christopher Moore	1 9 6	1 9 6	.. .. .
John Grimshaw	4 10 11	.. .. .	4 10 11
George Northcote	29 6 0	.. .. .	29 6 0
Thomas Edwin Bird	3 9 6	3 9 6	.. .. .
William Benjamin	9 11 3	.. .. .	9 11 3
George Paton	6 15 0	0 2 6	6 12 6
James Henry Sweetland	3 8 6	3 8 6	.. .. .
Charles George Watson	16 1 0	16 1 0	.. .. .
Michael Fitzgerald	3 16 9	3 16 9	.. .. .
Jean Yviquel	8 7 2	8 6 8	0 0 6
John Patterson	4 16 0	.. .. .	4 16 0
J. Mercer	1 4 6	.. .. .	1 4 6
Alexander McKenzie	4 19 0	4 19 0	.. .. .
Joseph Snowden	3 11 11	3 11 11	.. .. .
Charles Brusla	1 15 6	1 15 6	.. .. .
Robert Stanhope	7 19 10	7 19 10	.. .. .
Peter Cawte	8 3 3	.. .. .	8 3 3
Samuel Henderson	11 19 0	.. .. .	11 19 0
Joseph Viscovich	4 11 6	4 11 6	.. .. .
William Richardson	7 6 2	7 6 2	.. .. .
Robert Bugby	4 5 6	4 5 6	.. .. .
Peter Tiernan	6 3 10	6 3 10	.. .. .
John Stevens Denholm	6 18 3	.. .. .	6 18 3
Lars Andersen	1 16 4	1 16 4	.. .. .
Abraham Sandstein	0 16 2	0 16 2	.. .. .
Donald Campbell	4 7 1	.. .. .	4 7 1
Thomas Doran	3 4 8	.. .. .	3 4 8
Alexander McRae	9 2 11	.. .. .	9 2 11
John Richard Glanville	2 7 6	.. .. .	2 7 6
Eric Raasch	12 12 8	.. .. .	12 12 8	.. .. .
J. Ward	3 17 6	.. .. .	0 19 4	2 18 2
Totals	34 1 7	304 9 10	136 7 0	202 4 5

RETURN SHOWING AMOUNTS RECEIVED PRIOR TO 1ST APRIL, 1911, STANDING TO CREDIT OF ESTATES OF DECEASED SEAMEN, AND FOR WHICH CLAIMS HAVE NOT BEEN PROVED.

	£ s. d.		£ s. d.
Gustav W. Lindbloom, late A.B., "Wanderer"	2 10 10	Mrs. A. Jacobs, late stewardess, "Penguin"	2 3 6
John Forman, late A.B., "Waitemata"	3 4 5	H. McGuire, late sculleryman, "Penguin"	1 10 2
Henry Payne, late A.B., "Kini"	70 7 11	J. Peterson, late of "Ronga"	0 10 0
Percival Fulda, late steward, "Hawea"	2 8 5	C. Olsen, late of "Ronga"	0 8 0
E. Quimar, late A.B., "Sir Henry"	1 14 2	J. Johnston, late of "Ronga"	0 8 0
Anton Callas, late A.B., "Sir Henry"	2 7 6	J. McPherson, late of "Ronga"	0 8 0
E. J. Harper, late diver, "Huia"	0 0 4	C. Foreman, late A.B., "Ronga"	0 8 8
Gustave Hanley, late A.B., "Waikonini"	3 7 6	Kristopher Hansen, late of "Southern Isle"	0 15 11
Hugh Trimble, late cook, "Frank Guy"	6 15 3	Thomas Thomas, late A.B., "Medora"	3 5 6
Nelson O. Stred, late A.B., "Helen Denny"	0 11 3	James Brown, late fireman, "Hinemoa"	10 12 1
T. Clark, late A.B., "Flora"	1 0 0	Lindvist M. Matsen, late A.B., "Huia"	4 10 8
Erick A. Osterlund, late A.B., "Ganymede"	16 1 6	Frederick Clark, late O.S., "Flora"	0 10 0
William Wood, late trimmer, "Arahura"	4 6 11	Robert Lewis, late cook, "Clyde"	0 16 0
E. Kelly, late O.S., "Surprise"	1 11 6	Frederick Smith, late A.B., "Moonah"	1 6 8
E. Johansen, late A.B., "Surprise"	1 16 2	A. L. Menard, late chief engineer, "Duco"	1 8 0
M. Peterson, late first mate, "Constance Craig"	7 10 0	S. Annis, late fireman, "Duco"	0 10 8
J. Nelson, late sailmaker, "Constance Craig"	0 10 0	J. W. Mutton, late fireman, "Duco"	0 10 8
A. Maller, late of "Constance Craig"	0 5 0	W. Waddilove, late chief officer, "Duco"	0 16 0
H. Hansen, late of "Constance Craig"	0 5 0	C. Williams, late second mate, "Duco"	0 12 0
T. Brown, late of "Constance Craig"	0 5 0	W. Murdoch, late A.B., "Duco"	0 9 4
M. Keogh, late of "Constance Craig"	0 5 0	William Mackay, late A.B., "Duco"	0 9 4
Thor Christiansen, late A.B., "Haere"	0 2 10	P. Holmegard, late A.B., "Duco"	0 9 4
Duncan Kennedy, late A.B., "Kini"	5 16 9	C. Hansen, late A.B., "Duco"	0 9 4
J. Court, late chief officer, "Loch Lomond"	16 6 8	J. Dahlborg, late A.B., "Duco"	0 13 4
J. Dawson, late A.B., "Talune"	3 6 2	A. Cameron, late O.S., "Duco"	0 9 4
C. Waddington, late A.B., "Loch Lomond"	10 11 0	A. Sorrenson, late A.B., "Haeremai"	2 12 0
J. Jones, late A.B., "Loch Lomond"	11 12 0	J. Wallen, late A.B., "Haeremai"	3 13 8
T. Grey, late A.B., "Loch Lomond"	11 12 0	E. Hargreaves, late mate of "Aotea"	0 19 0
C. Sornson, late A.B., "Loch Lomond"	10 10 1	David Davies, late cook, "Aotea"	1 4 10
J. McKay, late A.B., "Loch Lomond"	11 12 0	O. Blanquist, late A.B., "Aotea"	1 18 2
J. McVicar, late A.B., "Loch Lomond"	6 9 0	Rosso Conchetto, late A.B., "Aotea"	1 6 2
H. Cooper, late cook, "Loch Lomond"	18 11 0	N. Tansley, late O.S., "Aotea"	1 1 6
Walter Owens, late A.B., "Kiripaka"	2 18 6	Charles Roberts, late O.S., "Morning Light"	3 4 11
T. Woodford, late A.B., "Penguin"	3 12 6	John Beer, late of launch "Akitio"	18 0 9
E. Gale, late A.B., "Penguin"	3 12 6	Alfred Tronson, late mate, "Rangi"	6 8 7
W. Westacott, late A.B., "Penguin"	3 12 6	Arthur Penry Lewis, late engineer, "Pioneer"	18 8 3
G. Gafira, late donkeyman, "Penguin"	4 19 6	James Tall, late A.B., "Aore"	7 11 6
James Piercy, late A.B., "Kia Ora"	1 2 2	W. Henderson, late A.B., "Penguin"	0 12 6
G. Barnes, late trimmer, "Penguin"	4 1 8	J. H. Waters, late second engineer, "Duco"	0 13 0
		J. Porter, late cook, "Duco"	2 11 2

RETURN OF WRECKS AND CASUALTIES TO SHIPPING REPORTED TO THE MARINE DEPARTMENT FROM THE 1ST APRIL, 1911, TO THE 31ST MARCH, 1912.

Date of Casualty.	Vessel's Name, Age, and Class.	Rig.	Register.	Number of		Nature of		Number of Lives lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
				Crew	Passengers.	Cargo.	Casualty.			Direction.	Force.		
1911.													
Mar. 8	Wairoa, s.s., 17 years	Schooner	49	7	..	Nil	Stranded; slight damage	..	Entrance Whangarei Harbour	E.N.E.	Light ..	When towing a raft of logs the vessel grounded in a narrow channel, but floated off a few hours later	Thomas Cook.
" 25	Kuaka, 11 years	Auxiliary barge	10	2	..	..	Fire; total loss	..	Auckland Harbour ..	..	..	Benzene fumes ignited owing to leaking vaporizer	W. D. L. Chapman.
" 29	Kestrel, 17 years	Cutter ..	13	2	..	Fish	Fire; damage, £20	..	Auckland Harbour ..	..	..	Benzene fumes ignited through a match being struck in the engine-room	G. Ollson.
April 4	Kotuku, s.s., 11 years	Schooner	662	21	..	Coal	Collision; no damage	..	Port Ahuriri ..	Calm	..	A line attached to the lighter parted, and she was caught in the current and bumped into the "Kotuku"	John Flynn.
" 4	Trusty, 47 years	Lighter	59	4	..	General	Collision; slight damage	..	..	..	..	..	J. Watterson.
" 15	Gloriana ..	Yacht ..	4	4	..	Nil	Collision; damage, £30	..	Near Coromandel Wharf, Auckland	Calm	..	The "Gloriana" was anchored in or near the fairway without a riding light, and the steamer ran into her	T. H. Hanson.
" 15	Rotomahana, s.s., 35 years	Schooner	138	13	26	General	Collision; no damage	..	..	..	..	..	J. Teixeira.
" 23	Pupuke, s.s., 2 years	Barge ..	68	4	15	Nil	Collision; trifling damage	..	Northcote Wharf, Auckland	N.W.	Light ..	Caused by mistaken order to engine-room	T. Braidwood.
" 23	Baden Powell, s.s., 11 years	Schooner	72	9	..	Nil	Collision; trifling damage	..	..	..	..	..	H. Peterson.
" 24	Moehau, 29 years	Schooner	23	3	..	Nil	Collision; trifling damage	..	..	..	..	..	F. Hammond.
" 24	Southern Isle, 10 years	Schooner	59	5	..	Nil	Collision; no damage	..	Thames River, off Kopu	N.W.	Light	Caused by the steering-gear of the "Southern Isle" having fouled as she was approaching the "Moehau"	M. McGregor.
May 2	Whakatane, s.s., 11 years	Schooner	3,686	58	..	General	Steering-gear damaged, £65	..	Off Cuvier Light	S.E.	Heavy gale	The steering-gear carried away in heavy sea..	F. A. Hemming.
" 3	Moana, s.s., 14 years	Schooner	2,414	91	125	General	Stranded; no damage	..	Otago Harbour ..	Calm	..	Stranding caused by jamming of steering-gear; floated off at high water	L. Worrall.
" 6	Opawa, s.s., 14 years	Schooner	64	12	..	General	Collision; no damage	..	Opawa River ..	S.E.	Light	Error in judgment on part of master of "Oban" in entering a sharp bend in the river knowing the other vessel was at hand	W. Nicholas.
" 6	Oban, 14 years	Scow ..	39	2	..	Timber	Collision; no damage	..	..	..	..	The main pump broke down owing to a bolt getting loose	C. H. Gibson.
" 6	Tasman, s.s., 8 years	Schooner	87	14	5	General	Slight accident to machinery	..	Off Mount Maunganui, Tauranga	Calm	..	When discharging timber on the beach a heavy swell got up and forced the vessel ashore	J. Teixeira.
" 8	Waikonini, 10 years	Schooner	60	6	..	Timber	Stranded; trifling damage	..	Tokomaru Bay ..	S.E.	Light ..	When discharging timber on the beach a heavy swell got up and forced the vessel ashore	G. White.
" 10	Reremoana, 18 months	Oil launch	..	3	..	..	Stranded; total loss	1	Maketu ..	E.	Gale ..	Running in a heavy gale she shipped a sea which washed the master overboard and disabled the engine, and the launch was then beached to save further loss of life	J. A. Welsh.
" 16	Wairau, s.s., 11 years	Schooner	59	9	..	Coal	Collision; damage, £500	..	..	..	..	..	E. Shaw.
" 16	Himitangi, s.s., 12 years	Schooner	149	15	..	Ballast	Collision; no damage	..	Manawatu River ..	E.	Light ..	The collision was caused by the "Himitangi" crossing to the wrong side of the river ..	W. Manley.

RETURN OF WRECKS AND CASUALTIES TO SHIPPING REPORTED TO THE MARINE DEPARTMENT, ETC.—*continued.*

Date of Casualty.	Vessel's Name, Age, and Class.	Rig.	Number of		Nature of		Number of Lives lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
			Crew	Passen- gers.	Cargo.	Casualty.			Direction.	Force.		
1911. May 17	Clan Ross, s.s., 17 years	Schooner	41	..	Timber	Stranded; no damage	..	Tauranga Harbour ..	S.E.	Strong breeze	Stranded on a sandbank owing to vessel failing to answer her helm at a critical moment; came off undamaged	F. Mee.
"	Echo, scow, 6 years	Schooner	7	..	Timber	Stranded; no damage	..	Karamea River ..	Calm	..	Stranded through insufficiency of water at entrance to river at low water	A. J. Holm.
"	Combine, 1 year	Schooner	5	..	..	Collision; slight damage	..	Auckland Harbour ..	N.N.E.	Moderate breeze	As the "Combine" was coming up the harbour on a dirty night the "Pupuke," coming out from Ferry Wharf, collided with her	J. Williams. R. Ryall.
"	Pupuke, 2 years	Barge ..	4	..	..	..	..	..	..	..	..	..
"	Admiral, s.s., 28 years	Ferry-boat	4	3	Coal	Collision; tri- fling damage	..	Off Point Halswell, Wellington Harbour	..	..	The Court found that the collision was due to the default of the master of the "Admiral"	J. T. Williams.
"	Niwari, s.s., 9 years	Schooner	62	..	Ballast	Collision; no damage	..	Grey River ..	E.	Light ..	When crossing the bar the vessel refused to answer her helm, and touched slightly on the north tip-head	J. E. Compton.
"	Poheria, s.s., 21 years	Schooner	21	..	Ballast	Stranded; no damage	..	..	..	..	Stranded in fog; floated off undamaged ..	R. W. Bohm.
"	Rotomahana, s.s., 25 years	Schooner	14	..	Nil	Stranded; no damage	..	Off Motuhi Island, Hauraki Gulf	..	..	Grounded on a submerged rock during fog, but got off undamaged	A. Stephenson.
"	Kawan, 20 years	Schooner	3	..	Nil	Stranded; no damage	..	Rangitoto Island ..	Calm	..	The leading lights were obscured by fog when the vessel was entering the harbour, and she grounded on a sandbank, but got off almost immediately undamaged	M. Scott.
"	Rimu, s.s., 13 years	Schooner	18	23	General	Stranded; no damage	..	Manukau Bar ..	S.E.	Light ..	Fire was discovered in No. 2 hold, but was extinguished by vessel's own apparatus; origin not known	T. H. Richards.
June 5	Hauipiri, s.s., 26 years	Schooner	29	14	General	Fire; no dam- age to ship	..	Auckland Harbour ..	S.E.	Light ..	..	P. C. Ross.
"	Pelotas, 14 years	B'q'tine	10	..	Timber	Stranded; total loss	..	Entrance, Wanganui River	..	..	The "Pelotas" was being towed to port by the oil-engine vessel "Shanrock," but the force of the current caused the latter vessel to strike the derrick at the end of the mole and thus lose control of the tow, which was carried by the strong current—the river being in flood—and stranded on the north beach	W. Cozens.
"	Cead Mile Failte, scow, 1 year	Schooner	5	..	Ballast	Stranded; slight damage	..	North Head, Whanga- roa Harbour	S.W.	Light ..	The launch which was towing the vessel across the bar broke down, and she went on the rocks, damaging the centreboard	C. Thomsen.
"	Gertie, s.s., 20 years	Schooner	14	..	Coal	Stranded; dam- age, £125	..	South Spit, Manawatu River	S.E.	Light ..	A heavy flood in the river caused the vessel to run aground; she was got off three days later	R. Rodger.
"	Te Aroha, o.e.v., 2 years	Schooner	5	..	General	Collision; no damage	..	Bar, Wairoa River, Hawke's Bay	Calm	..	Vessels collided when crossing the bar, probably owing to the "Tangaroa" following too close upon the "Te Aroha"	A. McNabb. H. Anderson.
"	Tangaroa, 12 years	Schooner	8	25	..	..	..	..	..	..	..	..

21	Kahu, 12 years	Schooner	36	3	..	..	Chamberlin Island, Haeraki Gulf	N.	Strong breeze	The master was making for shelter, when the vessel missed stays and her stern struck a rock	A. Berridge.
"	Laura, 32 years	B'q'tine	326	11	..	..	Lat. 36° S., long. 164° 23' E.	W.N.W.	Heavy gale	Topgallantmast carried away in a sudden squall	G. P. Wood.
"	Victoria, s.s., 9 years	Schooner	1,870	73	..	..	Cook Strait, 15 miles south of Pencarrow Breakwater, Westport	W.	Strong breeze	Fire was discovered in No. 3 hold amongst bags of chaff. No damage to ship	G. F. Entwistle.
"	Takapuna, s.s., 28 years	Schooner	472	47	36	..	..	W.	Fresh breeze	When entering the Buller River two heavy rollers struck the vessel and disabled the steering-gear, and not answering the helm she struck the south mole	C. MacLean.
"	Altair, scow, 8 years	Schooner	57	4	..	..	Orakei Bay, Auckland	S.	Fresh breeze	The vessel was making for Orakei Bay and steering by a light which was supposed to be the wharf light, but proved to be a light on sewerage works, and the night being dark the vessel ran into the wharf	C. L. Olsen.
"	Kiatare, 3 years	Ketch ..	11	2	..	..	Off Nelson Wharf, Auckland Harbour	S.S.E.	..	Cap sized whilst at anchor, there being no one on board at the time	B. Burt.
June and July	Feliciana, s.s., 2 years	Schooner	2,350	32	..	..	Sundry places between Chile and New Zealand	Various	..	The vessel left Lebu, Chili, for Newcastle, N.S.W., and met with very heavy weather, sustaining considerable damage to machinery, steering-gear, boats, and boat-deck	F. R. Clarke.
July 1	Kaipara, s.s., 8 years	Schooner	5,608	91	..	..	Railway Wharf, Auckland	S.S.E.	Light ..	Vessel bumped into wharf when berthing owing to strong tidal current, and injured a strengthening stringer and two plates	R. de la Cour Cornwall.
"	Haere, 8 years	Schooner	99	4	..	..	Off Cape Maria van Diemen	S.S.E.	Moderate	Fore rigging on port side carried away, causing fall of lower and top masts	G. Sorensen.
"	Beatrice, s.s., 10 years	Ketch ..	7	2	..	..	Iron Pot, Port Ahuriri	W.	Light	Owing to accident to steering-gear of "Beatrice" she ran into the "Phantom" moored at the wharf	W. Bain.
"	Phantom, s.s., 20 years	Schooner	18	5	..	..	Waikokopu Harbour, Hawke's Bay	Calm	..	The vessel was moored in Waikokopu Bay, when a heavy swell came in, carried away the mooring lines and caused the anchor to drag, and the vessel went ashore	D. A. Sharp.
"	Waikonini, 10 years	Schooner	60	4	..	..	..	..	..	The Court held that the master, not being sure of his position, should have stood out to sea, especially as the casts of the lead indicated that he was out of his course. The master was drowned in the wreck	P. A. Polson.
"	Bell Flower, 11 years	Ketch ..	98	7	..	1	Near Horseshoe Bay, Banks Peninsula	S.	Gale ..	A heavy swell caused the vessel to strike heavily against the wharf, resulting in considerable damage to vessel and wharf	John Dowell.
"	Hauroto, s.s., 29 years	Schooner	1,276	8	65	..	Glasgow Wharf, Napier	E.	Light ..	The starboard shrouds gave way, and the mainmast went by the board	S. Vint.
"	Jane Gifford, 3 years	Ketch ..	20	3	..	..	7 miles south-west of Cape Colville	S.S.E.	Strong	Collision apparently caused by default of the A.B. on the "Vesper" in not keeping a proper lookout	E. S. Chatfield.
"	Oceano, s.s., 11 years	Schooner	3,050	41	..	..	Rangitoto beacon, Auckland Harbour	Calm	..	Propeller-shaft broke, and the propeller broke off and was lost	F. W. Davies.
"	Vesper, o.e.v., 9 years	Schooner	20	4	..	..	3 miles north of Kennedy Bay, Auckland	S.E.	Light ..	When beating to get into the anchorage the vessel missed stays, and in wearing round the mainmast carried away	T. W. Edington.
Aug. 9	Orete, o.e.v., 2 years	Schooner	92	8	..	..	1 mile west of N. Point, Nine	S.E.	Strong breeze	..	K. Bruick.
"	Kereru, 5 years	Ketch ..	100	8	27	..	..	..	..	..	C. J. Harris.

RETURN OF WRECKS AND CASUALTIES TO SHIPPING REPORTED TO THE MARINE DEPARTMENT, ETC.—*continued.*

H.—15.

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Date of Casualty.	Vessel's Name, Age, and Class.	Rig.	Register Tonnage		Number of Crew		Nature of		Number of Lives Lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
			Pas-	Reg-	Pas-	Crew	Cargo.	Casualty.			Dirac-	Force.		
1911.														
Aug. 23	Huia, 5 years..	Schooner	20	3	..	Ballast	Collision; dam-	age, £55	..	2 miles west-south-west of Ponui Point	W.S.W.	Light	The Court found that the collision was due to the default of the second officer of the "Wakare" in not keeping a proper lookout, and he was ordered to pay the costs of the inquiry, £28 10s.	T. Higham.
"	Wakare, p.s., 15 years	Schooner	157	30	25	General	Collision; no damage		..	Mahurangi Heads ..	E.S.E.	Moderate	When near Takaka Point vessel missed stays twice and went ashore on a sandy beach	A. Farquhar.
Sept. 9	Saxon, 35 years	Schooner	58	10	..	General	Stranded; dam-	age, £60	..	Auckland Harbour ..	N.E.	Fresh breeze	Vessel was left at anchor with man in charge, but commenced leaking badly, and the man on board could not keep the water down with the pump and went for assistance, but the vessel overturned. She was righted next day	A. Sandstron.
"	Mochau, 29 years	Schooner	23	3	..	Nil ..	Cap-sized; dam-	age, £20	..					W. Findlay.
"	Hina, s.s., 50 years	Schooner	39	7	7	General	Stranded; no damage		..	Off Bark Bay, Tasman Bay	S.E.	Light ..	The vessel touched lightly on Bark Bay Reef, being out of her course owing to compass being affected by iron cargo on deck	A. H. Fletcher.
"	Tu Atu, o.e.v., 8 years	Ketch ..	28	3	..	Ballast	Stranded; no damage		..	Wairoa Bar, Hawke's Bay	S.W.	Fresh breeze	Vessel stranded when crossing the bar, but got off next day	A. Knight.
"	Mana, s.s., 25 years	Schooner	77	10	..	General	Stranded; slight damage		..	Patea River ..	S.	Strong	Strong wind and heavy sea caused the vessel to strike the eastern training wall	A. P. Gibson.
"	Wairau, s.s., 11 years	Schooner	59	9	..	Timber	Stranded; no damage		..	Karamea River ..	W.	Light ..	Insufficiency of water on the bar ..	E. Shaw.
"	Bravo, 14 years	Schooner	99	..	..	Coal ..	Fire; damage, £40		..	Auckland Harbour ..	..	..	The vessel was lying at anchor, there being no one on board, when fire was discovered by the Harbour Board watchman. It was extinguished by the firefloat, and it was found that the fore-castle had been broken into by some person unknown	A. Nelson.
"	Carla, 9 years..	B'q'tine	20	7	..	Coal ..	Stranded; considerable damage		..	3 miles north of Wanganui River	S.	Gale ..	When the vessel was being towed into the harbour the towline parted, and as a gale was blowing it was impossible to get another line on board. She was therefore anchored, and the crew put off in the life-boat and boarded the tug. The cables subsequently parted and she went ashore. She was towed off later on	C. Albertson.
Oct. 1	Kent, s.s., 12 years	Schooner	3,547	58	32	General	Fire; no damage		..	At Queen Street Wharf, Auckland	..	..	Fire was discovered in No. 4 lower hold, but was extinguished without damage to the ship	A. G. McGibbon.
"	Tainui, s.s., 8 years	Schooner	60	8	..	General	Broken shaft		..	Cook Strait ..	Calm	..	Tail-shaft broke through flaw in metal ..	M. Jensen.
"	Lauderdale, s.s., 1 year	Schooner	719	23	..	Ballast	Collision with wharf; damage, £150		..	Napier Harbour ..	W.	Light ..	The ebb tide carried the vessel against the breastwork, and the blades of her propeller were broken	F. W. Cox.
"	Gosford, s.s., 25 years	Schooner	23	4	..	Fish ..	Collision; trifling damage		..					T. A. Franks.
"	Maul, s.s., 2 years	Dredge	250	12	..	Nil ..	Collision; no damage		..	In Gisborne Harbour	W.	Gale	The heavy westerly gale caused the vessels to collide when entering the harbour	D. Probert.

19	Chelmsford, s.s., 25 years	Schooner	79	12	..	Ballast	Collision; slight damage	..	Off Point Rodney, Auckland Harbour	W.	Moderate gale	E. H. S. Goertz.
"	Herald, 13 years	Schooner	73	4	..	Ballast	Collision; damaged, age, £20	..	Off Cape Farewell	W.	Moderate gale	E. Donovan.
22	Kini, s.s., 17 years	Schooner	702	23	..	..	Broken shaft	..	Nelson Street Wharf, Auckland	..	..	A. H. Davey.
Nov. 1	Moehau, 29 years	Schooner	23	3	..	Nil	Collision; trifling damage	..	At wharf, Terakobe	N.W.	Gale	W. Findlay.
"	May Howard, 25 years	Schooner	55	5	..	Cement	Collision with wharf; damaged, age, £25	..	Wairoa River, Hawke's Bay	N.W.	Light	T. Jones.
3	Gannet, 30 years	Ketch	25	2	..	General	Stranded; slight damage	..	5 miles south-west of Coromandel Harbour	N.W.	Fresh breeze	R. Goldie.
8	Tangaroa, s.s., 12 years	Ketch	110	8	21	General	Stranded; slight damage	..	7 miles east of Riwaka	N.W.	Gale	H. Anderson.
"	Chelmsford, s.s., 25 years	Schooner	79	12	17	Nil	Broken shaft, £60	..	The Noises	N.W.	Moderate	E. H. S. Goertz.
"	Matakana, 39 years	Cutter	17	2	..	General	Foundered; total loss	..	Manukau Bar	N.W.	Fresh breeze	R. G. Tregidga.
11	Atalanta, 38 years	Schooner	23	3	..	Shingle	Stranded; trifling damage	..	Tiri Island, Hauraki Gulf	S.W.	Moderate gale	T. Stephens.
"	Rosamond, s.s., 27 years	Schooner	462	21	..	General	Stranded; no damage	..	Opawa River	N.	Light	H. S. Whyborn.
15	Altair, 8 years	Ketch	57	4	..	Cement	Damaged rigging, £50	..	Wellington Harbour	S.	Light	C. L. Olsen.
21	Blenheim, s.s., 6 years	Schooner	85	11	..	General	Damaged propeller	..	Manawatu Bar	E.	Light	G. Wilkinson.
"	Awaroa, s.s., 7 years	Schooner	211	6	12	Nil	Collision with wharf; damaged, age, £30	..	Puponga Wharf	S.E.	Gale	A. Watchlin.
24	Gertie, s.s., 20 years	Schooner	119	14	..	Coal	Stranded; damaged, age, £250	..	Lyttelton Harbour	N.E.	Light	R. Rodger.
"	Argus, 57 years	Ketch	36	3	..	Coal	Collision; slight damage	..	Thames River, Auckland	W.N.W.	Calm	J. Reid.
24	Amelia Sims, 11 years	Schooner	98	7	..	Ballast	Collision; slight damage	..	Port Ahuriri	W.N.W.	Gale	J. F. Johnson.
Dec. 10	John Anderson, s.s., 20 years	Schooner	36	5	10	Nil	Collision; no damage	..	..	..	..	W. Cameron.
"	Purau, s.s., ..	Schooner	*	3	30	..	Stranded; slight damage	..	..	..	..	G. Nelson.
"	Taniwha, s.s., 13 years	Schooner	191	18	9	Nil	Stranded; slight damage	..	..	..	..	W. Sullivan.
12	Stanley, 20 years	Schooner	90	5	..	Iron pipes	Collision with wharf; damaged, age, £50	..	..	..	..	H. W. Brock.

Date of Casualty.	Vessel's Name, Age, and Class.	Rig.	Number of		Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
			Registered Tonnage	Passengers.		Cargo.	Casualty.		
1611.	Canterbury, s.s., 1 year	Dredge	521	19	..	Nil	Stranded; trifling damage	..	J. Stewart.
"	Waipori, s.s., 10 years	Schooner	1,229	27	..	General	Stranded; no damage	..	F. W. Baron.
"	Aparima, s.s., 9 years	Schooner	3,684	85	96	General	Fire; no damage to ship	..	S. Vint.
1912.	Jane Douglas, s.s., 37 years	Schooner	75	9	..	General	Stranded; total loss	..	C. Vendore.
"	Lena Gladys, 2 years	Ketch	24	3	..	Timber	Stranded; trifling damage	..	G. Davis.
"	Waitangi, s.s., 23 years	Cutter	34	9	..	Nil	Broken shaft; damage, £25	..	J. Corbett.
"	Chelmsford, s.s., 26 years	Schooner	79	12	20	Nil	Broken shaft; damage, £40	..	E. H. S. Goertz.
"	Rotomahana, s.s., 36 years	Schooner	139	11	30	General	Broken valve; trifling accident	..	W. Bettis.
"	Flora, s.s., 30 years	Schooner	838	..	..	General	Collision with wharf; trifling damage	..	J. W. H. Holmes.
Feb. 13	Kapuni, s.s., 2 years	Schooner	97	10	..	General	Stranded; trifling damage	..	W. McIntosh.
"	Kapuni, s.s., 2 years	Schooner	97	10	..	Nil	Stranded; no damage	..	W. McIntosh.
"	Queen of the South, s.s., 35 years	Schooner	121	13	..	General	Fire; trifling damage	..	E. J. Harvey.
Mar. 2	Ngapuhi, s.s., 12 years	Schooner	299	31	70	..	Loss of propeller, £40	..	E. Stephenson.
"	Defender, s.s., 9 years	Ketch	109	12	..	General	Broken shaft; damage, £50	..	J. Jamieson.
"	Pupuke, s.s., 3 years	Barge	68	4	*	Nil	Collision with wharf; damage, £50	..	T. Braidwood.
"	Korora, 7 years	Schooner	160	7	..	Nil	Collision with hulk; trifling damage	..	F. Jensen.

* Not known.

SUMMARY of CASUALTIES to SHIPPING reported to the Marine Department during the Financial Year ended the 31st March, 1912.

Nature of Casualty.	Casualties on or near the Coasts of the Dominion.						Casualties outside the Dominion.						Total Number of Casualties reported.					
	Steamers.			Sailing-vessels.			Total within Dominion.			Steamers.						Sailing-vessels.			Total outside Dominion.
	No. of Vessels.	Tonnage.	No. of Lives lost.	No. of Vessels.	Tonnage.	No. of Lives lost.	No. of Vessels.	Tonnage.	No. of Lives lost.	No. of Vessels.	Tonnage.	No. of Lives lost.	No. of Vessels.	Tonnage.	No. of Lives lost.	No. of Vessels.	Tonnage.	No. of Lives lost.
Strandings,—																		
Total wrecks	2	75	1	2	355	1	4	430	2	..	..	..	..	..	..	4	430	2
Partial loss	3	710	..	2	368	..	5	1,078	..	..	..	..	..	..	..	5	1,078	..
Slight damage	6	547	..	5	243	..	11	790	..	..	..	..	..	..	..	12	1,311	..
No damage	11	7,013	..	2	136	..	13	7,149	..	..	..	..	..	..	..	13	7,149	..
Total strandings	22	8,345	1	11	1,102	1	33	9,447	2	1	521	..	1	521	..	34	9,968	2
Foundered,—																		
Total loss	..	..	..	1	17	..	1	17	..	..	..	..	..	..	..	1	17	..
Collisions,—																		
Partial loss	..	..	..	1	59	..	1	59	..	..	..	..	..	..	..	1	59	..
Slight damage	5	222	..	12	643	..	17	865	..	..	..	..	..	..	..	17	865	..
No damage	14	8,879	..	3	208	..	17	9,087	..	..	..	..	..	..	..	17	9,087	..
Total collisions..	19	9,101	..	16	910	..	35	10,011	..	..	..	..	..	..	..	35	10,011	..
Fires,—																		
Total loss	1	10	..	..	..	..	1	10	..	..	..	..	..	..	..	1	10	..
Partial loss	..	..	..	2	112	..	2	112	..	..	..	..	..	..	..	2	112	..
No damage	5	9,674	..	..	..	..	5	9,674	..	..	..	..	..	..	..	5	9,674	..
Total fires	6	9,684	..	2	112	..	8	9,796	..	..	..	..	..	..	..	8	9,796	..
Miscellaneous, including damage by heavy seas to hull and cargo, loss of masts, sails, &c., and breakdown of machinery	20	16,956	..	8	688	..	28	17,644	..	..	..	..	1	100	..	29	17,744	..
Total casualties to shipping	67	44,886	1	38	2,829	1	105	46,815	2	1	521	..	1	100	..	107	47,536	2

RETURN of ACCIDENTS to SEAMEN and Others on board Ship reported to the MARINE DEPARTMENT during the Financial Year ended the 31st March, 1912.

Date of Accident.	Name of Vessel, Port of Registry, and Official Number.	Name of Person Injured.	Nature of Injury: Fatal or otherwise.	Place where Accident occurred.	Particulars as to Accident and its Cause, and Verdict of Jury where Coroner's Inquest held.
1911.					
April 3	Warrimoo, Dunedin, 101901	F. Cannon, fireman	Injured finger	At sea ..	Got his finger caught in hook of ash-hoist.
" 4	Corinna, Launceston, 79252	W. R. Boys, lamp-trimmer	Injured knee	Wellington	Struck his knee against ship's rail.
" 10	Mararoa, Dunedin, 89380	H. Standen, trimmer	Scalded feet	Lyttelton	He trod in some boiling water behind the boilers.
" 11	Lindstol, Norway	Patrick Young, A.B.	Drowned	Hokanga	Drowned whilst attempting to swim ashore.
" 22	Ngatoro, Glasgow, 128651	John Grimshaw, A.B.	Drowned	Timaru ..	Fell into the water when attempting to board his vessel.
" 22	Waitemata, Dunedin, 127801	William Moffatt, A.B.	Drowned	Samarang, Java	Fell into the water off a lifeboat when at boat drill, and was not seen again.
" 23	Pateauna, Launceston, 79262	J. Wilson, fireman	Broken rib	Wellington	Fell over a sack whilst discharging cargo.
" 24	Tarawera, Dunedin, 84480	W. Craigie, fireman	Injured thumb	At sea ..	Got thumb jammed in door.
" 25	Rakanoa, Dunedin, 101477	J. Parker, greaser	Injured eye	Westport	Caused by the bursting of a gauge-glass.
" 26	Wauaka, Dunedin, 95018	S. Joyce, A.B.	Injured eye	Wellington	Piece of iron struck his eye whilst chipping iron rail.
May 1	Maukurika, Dunedin, 101482	E. Goodsell, steward	Injured leg	Greymouth	Caused by rolling of ship on the bar.
" 1	Paparua, Plymouth, 111346	G. Edbrooke, greaser	Drowned	Auckland	Fell off the gangway whilst going on board.
" 2	Kini, Dunedin, 104337	D. East, A.B.	Injured leg	New Plymouth	Whilst unmooring the vessel a bight of mooring-chain struck his leg.
" 2	Ionic, Liverpool, 115337	F. Davison, G.S.	Concussion of spine	Wellington	Strained his chest whilst lifting wood-dumps.
" 9	Queen of the South, Wellington, 74793	M. Sarciet, A.B.	Strained chest	Foxton ..	
" 10	Taniwha, Auckland, 102302	S. Turner, cook	Scalded hand	Paeoa ..	He spilled some hot fat on his hand.
" 10	Waikonini, Auckland, 102336	P. Haugh, mate	Injured leg	Tokomaru Bay	Whilst heaving ship off beach he injured his leg against the windlass.
" 11	Whangape, Dunedin, 110641	C. J. McLean, 2nd engineer	Scalded foot	Lyttelton	A steam-pipe burst and scalded his foot.
" 11	Eliza Firth, Lyttelton, 59540	J. Griquet, A.B.	Drowned	At sea ..	Whilst overhauling reef-tackle he fell overboard and was drowned.
" 12	Kotuku, Dunedin, 101484	M. Heavy, O.S.	Strained back	At sea ..	Fell down forecandle-ladder, severely straining his back.
" 17	Curlew, Auckland, 122921	H. Bourke, O.S.	Crushed finger	Auckland	Finger jammed whilst taking in railway-iron.
" 20	Ngapuhi, Auckland, 102329	John Hopkins, O.S.	Injured foot	Auckland	Got his foot caught between points of railway-lines.
" 23	Hapai, Auckland, 130070	W. Bateman, engineer	Killed	Auckland	Whilst fitting new oil-pipe was caught in revolving shaft and severely crushed.
" 24	Maori, Dunedin, 117598	E. W. Ludwig, trimmer	Scalded chest	At sea ..	Caused by breaking of a gauge-glass.
" 29	Daphne, Auckland, 122922	William Raques, O.S.	Bruised	Warkworth	A sling of cargo fell on him.
" 29	Warrimoo, Dunedin, 101901	F. Taylor, A.B.	Shock	Bluff ..	Fell down hold.
" 31	Marjorie Craig, Auckland, 102333	H. Carter, A.B.	Injured elbow	Geelong	Injured his elbow whilst loading cargo.
" 31	Falcon, Lyttelton, 57585	A. Leith, cook	Poisoned finger	Havelock	Got a splinter in his finger whilst chopping wood.
June 2	Kaipoi, Dunedin, 117592	G. Seonan, fireman	Injured knee	Lyttelton	He tripped and fell on the deck.
" 2	Rimu, Auckland, 105235	A. Muncher, fireman	Injured knee	Kohukohu	Tripped over a rope and fell heavily.
" 5	Stormbird, Wellington, 31760	W. McRae, A.B.	Split toe	Wellington	Case fell on his toe whilst working cargo.
" 6	Talune, Hobart, 57626	D. McFarlane, fireman	Scalded head	Auckland	Whilst removing a steam-pipe.
" 6	Korora, Auckland, 122911	Peter Brask, A.B.	Scalp wound	Kohukohu	He was struck by the hooks of a sling.
" 6	Defender, Sydney, 112520	G. Dutton, A.B.	Strained muscles	Wellington	Whilst carrying a sack of potatoes he strained the muscles of his leg.
" 12	Ngatiawa, Auckland, 122916	Leonard Winters, O.S.	Fractured skull	Auckland	Fell down hold whilst taking off hatches.
" 12	Navua, Dunedin, 117583	W. E. Hooton, greaser	Lacerated hand	Suva, Fiji	Injury caused whilst opening a tank with spanner.
" 18	Mararoa, Dunedin, 89380	P. Stoddart, fireman	Poisoned thumb	Wellington	Got thumb injured by wire whilst working cargo.

18	Navua, Dunedin, 117583	A. Edwards, trimmer	Injured knee	At sea	Whilst trimming coal in stokehold, barrow skidded and knocked him down.
19	Kahu, Napier, 37116	C. Phillips, A.B.	Hernia	Napier	Ruptured whilst lifting a case of cargo.
20	Greyhound, Auckland, 102315	Thomas E. Bird, A.B.	Killed	Awamui	A sling of cargo fell, through brake of winch slipping, and struck him on the neck.
21	Wairua, Dunedin, 118495	J. Harbinson, fireman	General injuries	At sea	He slipped and fell whilst going down a ladder.
23	Hawk, Auckland, 102337	Peter Petersen, A.B.	Injured side	Auckland	He slipped and fell over rudder-chains.
24	Wakare, Auckland, 102288	Robert Lynne, fireman	Bruised foot	Dunedin	A hydrant fell on his foot.
28	Vulcan, Dunedin	D. Finlayson, deck hand	Drowned	Westport	Fell into the water when getting into dredge's dinghy.
July 5	Regulus, Dunedin, 117596	J. B. Richards, 2nd mate	Rupture	At sea	Injury caused whilst assisting to land a sling of iron.
6	Pukaki, Dunedin, 84491	George Adlard, greaser	Injured knee	Auckland	Fell in stokehold.
7	Ngapuhi, Auckland, 102329	George Kettleson, A.B.	Bruised wrist	Kohukohu	Sling of bales jammed his wrist against a stanchion.
7	Rimu, Auckland, 163325	A. W. Emery, A.B.	Injured knee	At sea	Kicked his knee whilst taking in cargo.
7	Atua, Dunedin, 117591	W. Crawford, fireman	Internal injuries	Manukau Heads	He slipped and fell in the stokehold.
7	Kotuku, Dunedin, 78376	A. McKenzie, engineer	Killed	Napier	Whilst working at the windlass the anchor was let go, and the buoy-rope caught him round the leg, completely amputating it.
11	Tarawera, Dunedin, 84480	Joseph Snowden, A.B.	Killed	Napier	Whilst heaving the vessel alongside the wharf a piece of the mooring-chuck broke off, flew up, and hit him on the head, killing him instantly.
11	Chelmsford, Auckland, 89398	C. D. Miller, cook	General injuries	Auckland	Whilst ship was in dry dock he fell from the gangway to the bottom of the dock.
18	Bentineck, Newcastle, 118612	H. Logan, boatswain	Injured chest	At sea	He knocked his chest against hatch-coaming.
19	Dandy, Auckland, 102335	William Saul, A.B.	Injured arm	Auckland	Got his arm caught between piston-rod and cylinder of a winch.
20	Mararoa, Dunedin, 89380	E. H. Garrett, steward	Injured testicles	Wellington	Strained testicles whilst lifting a mat.
27	Bravo, Bluff	Peter Neilson, master	Drowned	Bluff	Found drowned at the Bluff wharf, but nothing to show how he got into the water.
27	Rimutaka, Plymouth, 111355	J. Dempsey, fireman	Fractured pelvis	At sea	Was struck on the back by the handle of a winch.
27	Te Anau, Dunedin, 75225	J. Dagnell, A.B.	Injured finger	Wellington	Got his finger crushed in steering-gear.
28	Wootton, Sydney, 112500	J. Watson, A.B.	Poisoned finger	Lyttelton	He scratched his finger whilst splicing wire.
29	Arahura, Dunedin, 117587	J. Gosling, fireman	Sprained ankle and knee	Wellington	He fell off a plank in the engine-room.
Aug. 3	Innata	Charles Dunn, fireman	Injured wrist	At sea	Sprained his wrist whilst trimming coal.
5	Alexander, Nelson, 93988	C. Jensen, A.B.	Injured thumb	Nelson	..
5	Hikurangi, Auckland, 102283	A. Madsen, A.B.	Scalded foot	At sea	Scalded his left foot on voyage to Warkworth.
6	Mararoa, Dunedin, 89380	N. Wilson, fireman	Scalded arm	At sea	A mug of boiling water was upset on his arm.
8	Mapourika, Dunedin, 101482	D. McRae, A.B.	Strained back	Greymouth	Strained his back whilst working cargo.
8	Queen of the South, Wellington, 74793	E. Brown, fireman	Strained arm	Foxton	Whilst dragging a basket of coal along the deck.
10	Orari, Plymouth, 119350	T. French, fireman	Muscles bruised	Lyttelton	He fell off the gangway on to the wharf.
14	Patena, Launceston, 79262	H. C. Geige, A.B.	Injured ribs	At sea	Slipped on the deck.
14	Koonva, Dunedin, 109641	Joseph Fahey, fireman	Strained leg	At sea	His foot slipped on the stokehold-ladder.
14	Mararoa, Dunedin, 89380	C. T. Lumter, trimmer	Bruised ribs	Lyttelton	He fell down the stokehold-ladder.
17	Komata, Dunedin, 117593	C. Whittaker, fireman	Strained back	Westport	He slipped whilst trimming coal.
21	Canopus, Dunedin, 101490	W. F. Brown, trimmer	Injured ribs	Lyttelton	He fell down the stokehold-ladder.
21	Talune, Hobart, 57626	W. Mulcahy, trimmer	Injured leg	At sea	Whilst trimming coal a wheelbarrow struck his leg.
21	Navua, Dunedin, 117583	R. Arnst, A.B.	Strained back	At sea	Whilst lifting a ventilator.
22	Rosamond, Dunedin, 89594	A. Cardell, A.B.	Bruised foot	New Plymouth	His foot was struck by cat-block.
23	Hineuora, Wellington, 69016	H. Morrison, A.B.	Bruised foot	Wellington	A fencing-post fell out of a sling on to his foot.
24	Wimera, Melbourne, 120722	A. Bracken, 1st mate	Crushed foot	Napier	A case struck his foot and crushed it.
24	Maori, Dunedin, 117598	J. Paulsen, O.S.	Poisoned finger	Lyttelton	Got finger jammed between wire and winch-barrel.
26	Monowai, Dunedin, 84497	E. French, trimmer	Injured leg	At sea	He fell through the galley-skylight.
26	Breeze, Lyttelton, 29043	J. Bennett, trimmer	Fractured fibula	Wanganui	He fell from the stokehold-ladder.
28	Rarawa, Auckland, 115207	J. Graham, fireman	Injured back	Auckland	He slipped on the deck.
Sept. 1	Maori, Dunedin, 117598	J. Benfield, steward	Injured shoulder	At sea	He fell on the deck.

RETURN OF ACCIDENTS TO SEAMEN and Others on board Ship reported to the MARINE DEPARTMENT, &c.—*continued.*

Date of Accident.	Name of Vessel, Port of Registry, and Official Number.	Name of Person injured.	Nature of Injury: Fatal or otherwise.	Place where Accident occurred.	Particulars as to Accident and its Cause, and Verdict of Jury where Coroner's Inquest held.
1911.					
Sept. 4	Duncrag, Norway ...	A. Salvesen, carpenter ..	Crushed toes ..	Westport ..	Got his toes crushed in cargo-winch.
" 9	Kowhai, London, 128040	James Mudie, donkeyman ..	Fractured ribs ..	Greymouth ..	He fell down the engine-room ladder.
" 9	Ngaturo, Port Glasgow, 128651	T. Naismith, A.B. ..	Injured foot ..	Greymouth ..	
" 12	Tarawera, Dunedin, 84480	E. Harrison, trimmer ..	Strained back ..	Napier ..	He tripped over some iron in the donkey-house.
" 12	Rimutaka, Plymouth, 111355 ..	T. Woods, fireman ..	Poisoned foot ..	Auckland ..	He cut his foot with a piece of brass.
" 12	Ariel, Norway ..	O. Erickson, carpenter ..	Strained hip ..	Bluff ..	
" 14	Koonya, Dunedin, 109641 ..	W. Dressler, A.B. ..	Bruised back and shoulders ..	Greymouth ..	He fell down the hold.
" 14	Waimea, Nelson, 93993 ..	Martin Samuelson, A.B. ..	Fractured skull ..	Westport ..	He fell into the cattle-race.
" 15	Canopus, Dunedin, 101490 ..	F. Hayes, greaser ..	Strained back ..	At sea ..	He fell down the stokehold.
" 20	Kanieri, Auckland, 84490 ..	G. Walters, fireman ..	Injured finger ..	Whangarei ..	A piece of coal fell on his finger.
" 20	Hauroto, Dunedin, 84479 ..	Peter Johansen, A.B. ..	Twisted ankle ..	Lyttelton ..	He slipped on the deck.
" 20	Kapiti, Wellington, 108078 ..	P. Brien, A.B. ..	Severely bruised ..	At sea ..	He was knocked down by a heavy sea.
" 21	Komata, Dunedin, 117593 ..	J. Hagan, cook ..	Sprained ankle ..	At sea ..	He slipped on the deck.
" 21	Navua, Dunedin, 117583 ..	F. Martin, fireman ..	Burnt hand ..	At sea ..	When firing, fire blew out and burnt his hand.
" 21	Kapiti, Wellington, 108078 ..	W. Nelson, A.B. ..	Badly bruised ..	At sea ..	He was knocked down by a heavy sea.
" 27	Tramp, Auckland, 102344 ..	F. Hutigren, A.B. ..	Bruised leg ..	Auckland ..	A sling of railway-iron struck his leg.
" 27	Warrimoo, Dunedin, 101901 ..	G. Oddy, O.S. ..	Fractured ankle ..	Port Chalmers ..	He was climbing up the back stay, when he slipped and fell to the deck.
" 27	Victoria, Melbourne, 110996 ..	T. Young, greaser ..	Finger cut off, and one crushed ..	At sea ..	Whilst working in engine-room he got his hand caught by eccentric sheaves.
" 30	Wairuna, Dunedin, 118495 ..	G. C. McCallum, A.B. ..	Strained and ruptured ..	Melbourne ..	Whilst lifting a heavy fore-and-after.
" 30	Komata, Dunedin, 117593 ..	E. Grey, A.B. ..	Strained arm ..	Wellington ..	Whilst lifting off hatches.
Oct. 4	Poharua, Dunedin, 98061 ..	M. Gregory, A.B. ..	Crushed finger ..	Greymouth ..	Whilst mooring ship.
" 7	Mokoia, Dunedin, 101483 ..	M. McCorkendale, A.B. ..	Injured foot ..	Lyttelton ..	He fell down the hatch.
" 9	Huia, Auckland, 102268 ..	J. Wyman, 2nd mate ..	Injured kneecap ..	Lyttelton ..	He fell on the deck.
" 9	Magie, Auckland, 102340 ..	E. Walsh, cook ..	Fractured ribs ..	Wellington ..	He fell down the cabin-stairs.
" 10	Navua, Dunedin, 117583 ..	Thomas Murray, fireman ..	Injured back and side ..	Auckland ..	He slipped and fell down fore-castle-ladder.
" 13	Mokoia, Dunedin, 101483 ..	B. Staffenski, fireman ..	Scalded foot ..	Auckland ..	Scalding occurred whilst cleaning the boilers.
" 13	Te Anau, Dunedin, 75225 ..	B. Jowers, fireman ..	Scalded hand ..	At sea ..	Whilst overhauling the deck donkey-engine.
" 14	Kaituna, Dunedin, 120467 ..	W. McKeuna, fireman ..	Ulcer on shin ..	At sea ..	He slipped on the deck and knocked his shin.
" 16	Wootton, Sydney, 112500 ..	F. Salonen, A.B. ..	Broken toe ..	Katapo ..	A piece of timber fell out of sling on to his toe.
" 22	Fanny, Napier, 87321 ..	(S. Johansen, A.B. .. J. Jorgensen, A.B. .. L. Olsen, A.B. .. A. L. Ross, A.B. ..)	Drowned ..	Whangaeahu ..	Surf-boat capsized whilst carrying wool from the shore to the s.s. "Fanny."
" 22	Mokoia, Dunedin, 101483 ..	H. Campbell, fireman ..	Strained inwardly ..	At sea ..	He fell in stokehold.
" 24	Koromiko, Dunedin, 117599 ..	W. E. Ireland, A.B. ..	Injured ankle ..	Auckland ..	He fell from one deck to another.
" 27	Rio, Sydney, 83207 ..	Louis Zavada, cook ..	Burnt on arms and face ..	Port Chalmers ..	Whilst rendering fat it caught fire.
" 27	Poharua, Dunedin, 98061 ..	J. Thomson, A.B. ..	Ruptured ..	Greymouth ..	Injured whilst putting on hatch fore-and-afters.
" 31	Tarawera, Dunedin, 84480 ..	F. Anderson, A.B. ..	Fractured fibula ..	At sea ..	He slipped and fell on fore-castle-head.
" 31	Kamona, Dunedin, 101486 ..	J. Walker, cook ..	Scalded foot ..	Lyttelton ..	He scalded himself in galley.
Nov. 1	Kini, Dunedin, 104337 ..	H. Carroll, greaser ..	Broken ribs ..	Greymouth ..	
" 2	Southern Isle, Auckland, 102334 ..	N. G. Brasler, O.S. ..	Scalded legs ..	At sea ..	A kettle of hot water fell off the stove and scalded him.
" 2	Mararoa, Dunedin, 89380 ..	T. Scott, steward ..	Ruptured ..	Wellington ..	Injured whilst lifting luggage.
" 2	Turakina, Plymouth, 114620 ..	W. Beckman, fireman and greaser ..	Crushed finger ..	At sea ..	The furnace-door swung back and crushed his finger.

"	"	2	Turakina, Plymouth, 114620	A. E. Darnell, fireman and greaser	Ruptured	At sea	At sea	Ruptured by lifting.
"	"	4	Clansman, Auckland, 87520	R. Campbell, A.B.	Injured shoulder and elbow	At sea	At sea	Slipped when going down the companion.
"	"	6	Canopus, Dunedin, 101490	G. F. Lodge, trimmer	Contusion to hip and testicle	At sea	At sea	Slipped on the deck.
"	"	11	Wakatu, Wellington, 64818	A. Shivers, A.B.	Injured back	Wellington	Wellington	He slipped on the bridge deck.
"	"	13	Ngapuhi, Auckland, 102329	P. Partridge, cook	Poisoned shin	Auckland	Auckland	He grazed his shin-bone on the galley-door.
"	"	14	Lily, Lyttelton, 57552	H. Anderson	Bruised shoulder	Lyttelton	Lyttelton	He fell into the hold.
"	"	18	Navua, Dunedin, 117583	E. Brookes, fireman	Bruised elbow	Westport	Westport	He knocked his elbow on the furnace-door.
"	"	18	Apenui, Auckland, 122906	J. Swinton, A.B.	Injured foot	Auckland	Auckland	Winch-barrel fell on his foot.
"	"	20	Glencle, Auckland, 76187	S. Poole, fireman	Injured elbow	Auckland	Auckland	Whilst washing paintwork the ladder slipped and he fell.
"	"	21	Hauptur, Dunedin, 89094	L. Fredriksen, A.B.	Injured knee	Napier	Napier	Jammed by a bale of wool.
"	"	21	Lizzie Taylor, Launceston, 79299	J. McEarden, A.B.	Broken leg	At sea	At sea	Tackle-fall fouled his leg and broke it.
"	"	21	Rarawa, Auckland, 115207	R. Colhoun, fireman	Ricked back	New Plymouth	New Plymouth	Whilst assisting to work cargo he slipped on a case.
"	"	22	Joseph Craig, Auckland, 78615	W. Peters, A.B.	Strained back	Whangarei	Whangarei	Whilst attempting to lift a heavy piece of timber.
"	"	22	Kapiti, Wellington, 108078	D. Livingstone, A.B.	Crushed arm	Wellington	Wellington	Whilst loading cattle he got his arm crushed on the side of the box.
"	"	23	Manuka, Dunedin, 117582	T. Tulloch, A.B.	Internal strain	At sea	At sea	Strained himself by lifting.
"	"	24	Ngatiawa, Auckland, 122916	F. Fitzgerald, A.B.	Injured finger	Auckland	Auckland	Whilst working cargo, he got his little finger under the yard-rope and tore the nail off.
"	"	25	Talune, Hobart, 57626	H. Saunders, fireman	Ricked back	Auckland	Auckland	Whilst working with turning-gear.
"	"	28	Tasman, Auckland, 115196	F. Warnberg, A.B.	Ripped hand	At sea	At sea	He ripped his hand with broken wire.
Dec.	"	1	Kanieri, Auckland, 84490	T. F. Anderson, A.B.	Injured back	Whangarei	Whangarei	Whilst working cargo he got hit with a sling.
"	"	1	Warrimoo, Dunedin, 101901	John Ward, fireman	Crushed foot	Hobart	Hobart	Whilst working in stokehold a slice fell on his foot.
"	"	3	Talune, Hobart, 57626	C. Clark, fireman	Scalded back	Raraka	Raraka	Whilst working in stokehold got scalded by a jet of hot water.
"	"	5	Ngapuhi, Auckland, 102329	S. Sussex, O.S.	Bruised foot	Auckland	Auckland	He got his foot caught in railway-line and bruised by a sling of cargo.
"	"	8	Atua, Dunedin, 117591	R. Henry, fireman	Sprained ankle	At sea	At sea	He slipped on the deck.
"	"	9	Maitai, Dunedin, 101935	J. Wilson, greaser	Internal strain	Wellington	Wellington	He fell into the crank-pit.
"	"	10	Wimmera, Melbourne, 120722	C. Blundell, fireman	Bruised testicles	At sea	At sea	Whilst trimming coal he fell on a barrow.
"	"	11	Aorangi, Dunedin, 76068	C. Reckson, greaser	Injured foot	San Francisco	San Francisco	A piece of machinery fell on his foot.
"	"	13	Altair, Auckland, 115200	A. McLean, A.B.	Poisoned finger	Auckland	Auckland	Whilst reeving wire runner he ripped his little finger.
"	"	13	Corinna, Launceston, 79252	J. Keenan, fireman	Injured wrist	At sea	At sea	He fell on the stokehold-plates.
"	"	14	Tahiti, Dunedin	W. Webb, trimmer	Injured foot	At sea	At sea	A piece of machinery fell on his foot.
"	"	17	Mokoa, Dunedin, 101483	F. Treby, O.S.	Injured hand	Dunedin	Dunedin	Whilst lowering the gangway he got his hand jammed.
"	"	20	Waihora, Dunedin, 123842	W. J. Smith, fireman	Burnt foot	At sea	At sea	A piece of hot coal fell in his boot.
"	"	21	Takapuna, Auckland, 66540	J. R. Wiltshire, A.B.	Injured chest	Wellington	Wellington	On leaving wharf a rope slipped up and caught him in the chest.
"	"	22	Pateena, Launceston, 79262	J. Tall, pantryman	Swollen testicle	Wellington	Wellington	Fell over a rope.
"	"	22	Hauptur, Dunedin, 89094	W. Reeves, A.B.	Injured elbow	Tokomaru Bay	Tokomaru Bay	Whilst heaving boat up he got his arm caught in the fall of the winch.
"	"	28	Opawa, Plymouth, 124566	W. Brown, trimmer	Drowned	Auckland	Auckland	He fell over the wharf when going aboard at night.
"	"	30	Ngahere, Port Glasgow, 102580	J. H. Oldridge, A.B.	Injured leg	Wellington	Wellington	Whilst sending gear from aloft, he slipped and scarred his leg.
1912.	"	1	Morayshire, Glasgow, 108778	N. Rowlands, A.B.	Drowned	Lyttelton	Lyttelton	..
Jan.	"	1	Flora, Hobart, 82526	W. J. Young, greaser	Crushed finger	Greymouth	Greymouth	..
"	"	2	Taniwha, Auckland, 102302	J. Birchley, A.B.	Injured knee	Paeroa	Paeroa	The crank of the winch struck his knee.
"	"	4	Ngapuhi, Auckland, 102329	P. Partridge, cook	Injured leg	Auckland	Auckland	He struck his leg on the galley-door.
"	"	6	Welcome, Auckland, 118958	J. Chappell, A.B.	Injured foot and leg	Auckland	Auckland	Whilst wheeling a barrow of shingle he slipped and fell.
"	"	8	Rotomahana, Auckland, 75119	J. Cross, A.B.	Injured leg	Auckland	Auckland	He slipped whilst descending the engine-room ladder.
"	"	14	Napier, Dunedin, 37106	D. Bowman, engineer	Crushed toe	Otago Harbour	Otago Harbour	Got his foot caught in crank.
"	"	17	Whakarire, Wellington, 108079	J. Barrett, deck hand	Broken rib	Napier	Napier	He fell on the companion-ladder.
"	"	20	Pohuera, Dunedin, 98061	C. Finch, A.B.	Ruptured	Greymouth	Greymouth	Whilst working cargo.
"	"	24	Cian MacLaren, Glasgow, 111188	J. Birkett, A.B.	Injured arm	At sea	At sea	Whilst trying to replace the gangway it fell on his arm.

RETURN OF ACCIDENTS TO SEAMEN and Others on board Ship reported to the MARINE DEPARTMENT, &c.—*continued.*

Date of Accident.	Name of Vessel, Port of Registry, and Official Number.	Name of Person injured.	Nature of Injury: Fatal or otherwise.	Place where Accident occurred.	Particulars as to accident and its Cause, and Verdict of Jury where Coroner's Inquest held.
1912.					
Feb. 1	Kahu, Napier, 37116	J. W. Watson, mate	Intercostal strain	Napier ..	He fell down a ladder on to the fore deck.
" 5	Moa, Wellington, 40347	J. Woodthorpe, A.B.	Internal strain	Wellington ..	Whilst taking in gum he slipped and fell on a case.
" 7	Chelmsford, Auckland, 89398	James Wylie, fireman	Bruised side ..	Paranga ..	A trunk slipped and injured his knee.
" 8	Mokoia, Dunedin, 101483	C. H. Lee, steward	Injured knee ..	Dunedin ..	Whilst opening a case of fruit he hit his elbow against a bin.
" 9	Monowai, Dunedin, 84497	T. C. Gill, A.B.	Injured elbow ..	Auckland ..	Whilst firing he slipped and injured his knee.
" 10	Maheko, Dunedin, 117588	John Simpson, fireman	Injured knee ..	At sea ..	A coil of wire fell on his foot.
" 12	Arapawa, Wellington, 108090	T. F. Babbage, A.B.	Crushed foot ..	Wellington ..	He fell down the hold.
" 13	Kiripaka, Auckland, 102275	J. Davis, fireman	Injured ribs and sprained wrist	Wellington ..	Whilst shifting a ladder in the hold he fell and sprained his foot.
" 17	Rimu, Auckland, 105235	G. Hague, A.B.	Sprained foot ..	Hokanga ..	Whilst putting a bulb on the electric light the bulb burst.
" 25	Tarawera, Dunedin, 84480	W. Doyle, steward	Cut hand ..	At sea ..	He jammed his hand between rope and clutch whilst swinging ship.
Mar. 1	Kotuku, Dunedin, 101484	H. Steinbruggers, A.B.	Crushed hand ..	Greymouth ..	Injured whilst hauling up a fender.
" 1	Rakanoa, Dunedin, 101477	C. Leith, A.B.	Strained back ..	Port Chalmers ..	..
" 5	Arapawa, Wellington, 108090	J. Brien, A.B.	Injured hand ..	Wanganui ..	..
" 21	Waimea, Nelson, 93993	G. Maylen, O.S.	..	..	..

RETURN showing AMOUNTS paid to SICK and DISABLED SEAMEN under Section 119 of the Shipping and Seamen Act, 1908, for the Year ended 31st March, 1912.

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid for Wages, Maintenance, &c.		
			£	s.	d.
Adlard, G.	Pukaki	Contusions to knee	53	0	0
Allen, F.	Ngapuhi	Strain	5	5	0
Anderson, F.	Tarawera	Broken fibula	27	5	0
Anderson, T. F.	Kanieri	Injured back	4	7	6
Arnst, R.	Navua	Strained back	5	6	8
Aston, T.	Mahurangi	Crushed hand	14	6	8
Atwell, H.	Maori	Congestion of the lungs	11	15	0
Babbage, T. F.	Arapawa	Crushed foot	3	10	0
Baggstrom, L.	Ngatiawa	Swollen legs and feet	2	10	0
Baynes, W.	Daphne	Injured back and legs	17	15	8
Beckman, W.	Turakina	Crushed finger	11	16	0
Bell, L. T.	Kaikoura	Ulcerated stomach	12	15	0
Benfield, J.	Maori	Injured shoulder	5	10	0
Betts, O. S.	Mapourika	Tonsillitis	5	15	2
Bicknell, S.	Pohertia	Boils	15	1	0
Birchley, J.	Taniwha	Bruised knee	8	3	6
Bird, T. E.	Greyhound	Cargo fell on him (fatal)	15	15	6
Birkett, J.	Clan MacLaren	Injured arm	2	10	0
Blair, W.	Komata	Throat-catarrh	7	13	0
Blundell, C.	Wimmera	Bruised testicles	13	10	10
Bond, J.	Matatua	Liver-complaint	12	11	0
Bourke, H.	Curlew	Crushed fingers	11	19	0
Bowman, D.	Napier	Crushed toe	33	1	0
Boys, W. R.	Corinna	Injured knee	10	8	4
Bracken, A.	Wimmera	Crushed foot	29	7	8
Brask, P.	Korora	Scalp wound	31	4	0
Brasler, D. G.	Southern Isle	Scalded legs	9	1	4
Brien, J.	Arapawa	Wounded hand	10	15	10
Brien, P.	Kapiti	Bruised body	4	8	8
Brigden, W.	Queen of the South	Influenza	28	12	8
Brookes, E.	Navua	Bruised elbow	6	11	4
Brooks, J.	Hinemoa	Sciatica	23	12	0
Brown, E.	Queen of the South	Strained arm-muscles	21	7	7
Brown, W. F.	Canopus	Injured ribs	9	12	0
Bryan, J.	Ngatoro	Abcess in groin	14	19	0
Buss, H.	Arahura	Influenza	6	0	0
Campbell, C.	Kurou	Subacute rheumatism	14	9	0
Campbell, H.	Mokoia	Strained inwardly	12	16	6
Campbell, R.	Clansman	Injured elbow and shoulder	7	15	0
Cannon, F.	Warrimoo	Torn finger	8	13	0
Cardell, A.	Rosamond	Bruised foot	10	10	0
Carmichael, R.	Kowhai	Heart-strain	11	1	8
Carroll, H.	Kini	Broken ribs	24	2	6
Carter, H.	Marjorie Craig	Injured elbow	7	11	6
Chappell, J.	Welcome	Injured foot and leg	11	5	2
Chatfield, A.	Maori	Pleurisy	4	18	0
Clark, C.	Talune	Scalded back	11	8	8
Cockell, W.	Maori	Abcess on right eye	8	15	0
Colhoun, R.	Rarawa	Ricked back	10	17	6
Coningham, T.	Monowai	Tonsillitis	8	10	0
Craigie, W.	Tarawera	Injured thumb	11	14	0
Crawford, W.	Atua	Internal injuries	16	14	0
Crawley, R.	Navua	Injured foot	8	16	8
Crosby, H.	Mararoa	Gastritis	4	10	0
Cross, C.	Clansman	Pain in groin	12	9	2
Cross, J.	Rotomahana	Injured leg	12	12	0
Dagnell, J.	Te Anau	Crushed finger	9	8	0
Darnell, A. E.	Turakina	Ruptured	13	4	0
Darwartz, J.	Taviuni	Influenza	0	16	0
Davis, J.	Kiripaka	Injured ribs and sprained wrist	10	3	0
Davison, F.	Ionic	Concussion of spine	50	0	0
Dempsey, J.	Rimutaka	Fractured pelvis	15	7	6
Douglas, J. W.	Wairoa	Bronchitis	7	6	8
Downey, A.	Rarawa	Laryngitis	6	13	10
Doyle, W.	Tarawera	Cut hand	0	18	4
Doyle, W.	Manuka	Influenza	6	12	4
Dressler, W.	Koonya	Bruised back and shoulders	9	5	0
Driscoll, T.	Navua	Severe cold	7	16	0
Driver, A.	Te Anau	Appendicitis	17	1	6
Dunn, C.	Ihumata	Injured wrist	27	1	8
Dutton, G.	Defender	Injured leg	18	15	6
Edwards, A.	Navua	Injured knee	15	17	2
Edwards, A.	Maori	Eczema	12	10	0
Emery, A. W.	Rimu	Ricked knee	38	6	6
Erickson, O.	Ariel	Strained hip	7	0	0
Everitt, H.	Rimutaka	Swelling in groin	12	19	6
Fahey, J.	Koonya	Strained leg	7	14	0
Fercel, F.	Kanieri	Injured back	17	16	8
Ferguson, P.	Manaroa	Rheumatism	12	12	4
Ferguson, T. H.	Queen Amelia	Enteric fever	33	1	0
Finch, C.	Pohertia	Ruptured	13	0	0

RETURN showing AMOUNTS paid to SICK and DISABLED SEAMEN—*continued*.

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid for Wages, Maintenance, &c.
			£ s. d.
Findlayson, J.	Ulimaroa	Acute rheumatism	16 13 0
Fitzgerald, F.	Ngatiawa	Finger-nail torn off	4 10 0
Fodge, G. W.	Canopus	Swelled testicle	8 14 4
Fowler, I.	Kittawa	Appendicitis	25 15 10
Fraser, F.	Niwaru	Poisoned thumb	8 7 0
Frazer, E.	Maori	Ulcerated throat	2 8 0
Fredrikson, L.	Haupiri	Injured kneecap	33 3 5
Galbraith, J.	Wakatu	Cold	12 4 8
Garrett, E. H.	Mararoa	Strained testicles	8 19 4
Gayton, H.	Putiki	Chicken-pox	11 2 2
Geige, H. C.	Pateena	Injured ribs	8 17 4
Gill, T. C.	Monowai	Injured elbow	3 0 2
Goodsell, E.	Mapourika	Injured leg	16 4 0
Gosling, J.	Arahura	Sprained ankle and knee	9 11 0
Graham, J.	Rarawa	Ricked back	8 9 2
Graham, T.	Kaitoa	Severe headaches	20 11 8
Gregory, M.	Poherua	Crushed finger	11 4 0
Grey, E.	Komata	Strained arm	7 2 0
Grimshaw, J.	Ngatoro	Drowned	4 10 11
Guyton, H.	Putiki	Paralysed eye	21 11 0
Haacke, A.	Hina	Eczema	18 5 0
Hagan, J.	Komata	Sprained ankle	3 9 10
Hague, G.	Rimu	Sprained foot	7 15 0
Hanson, O. A.	Ariel	Pneumonia	7 0 0
Harbinson, J.	Wairuna	Injured by a fall	9 0 0
Hardwick, J.	Arahura	Lumbago	9 6 6
Harrison, E.	Tarawera	Strained back	5 12 0
Hatton, J.	Koonya	Severely scalded	72 0 0
Haugh, P.	Waikonini	Injured leg	18 3 8
Hayes, F.	Canopus	Strained back	33 16 6
Heavy, M.	Kotuku	Injured back	10 5 0
Hendrickson, F.	Maori	Ulcerated throat	5 5 0
Hendry, G.	Koi	"Breaking-out" on arm	19 4 8
Henry, R.	Atua	Sprained ankle	7 3 0
Hill, P. C.	Arahura	Rheumatism	5 12 0
Hollingsworth, G.	Maori	Injured knee	35 12 6
Hooton, W. E.	Navua	Lacerated hand	11 7 6
Hopkins, J.	Ngapuhi	Injured ankle and foot	20 16 4
Hoskins, N.	Mokoia	Abscess on buttock	10 11 9
Howlett, A.	Ngapuhi	Pains in legs	2 16 0
Huttgren, F.	Tramp	Bruised leg	11 10 6
Ireland, W. E.	Koromiko	Injured ankle	10 6 3
Jensen, C.	Alexander	Injured thumb	12 1 4
Johannsen, P.	Hauroto	Twisted ankle	6 12 0
Johansen, S.	Fanny	Drowned	7 19 3
Johnson, C.	Amelia Sims	Epilepsy	17 14 5
Johnston, A.	Manuka	Ulcerated throat	7 13 6
Jorgenson, J.	Fanny	Drowned	7 19 3
Jowers, B.	Te Anau	Scalded hand	6 18 0
Joyce, J.	Wakatu	Internal complaint	24 13 10
Joyce, S.	Wanaka	Ulcer on eye	12 4 4
Kearns, M. J.	Rotorua	Inflammation of inside	18 12 0
Keenan, J.	Corinna	Injured wrist	6 10 8
Kelly, G.	Talune	Influenza	10 15 10
Kettleston, G.	Ngapuhi	Bruised wrist	8 15 2
Lamb, H.	Taniwha	Cramp in stomach	5 18 4
Landrap, W.	Holmdale	Cold on chest	11 8 4
Last, D.	Kini	Injured leg	16 9 10
Lawrence, G.	Kittawa	Poisoned knee	15 10 0
Lee, C. H.	Mokoia	Injured knee	11 10 0
Leek, H.	Delphic	Internal complaint	20 13 6
Leith, A.	Falcon	Poisoned finger	11 15 0
Leith, C.	Rakanoa	Strained back	3 9 4
Livingstone, D.	Kapiti	Crushed arm	11 15 0
Logan, H.	Bentinck	Bruised chest	18 15 4
Long, G.	Stormbird	Tonsilitis	5 6 8
Ludwig, E. W.	Maori	Scalded chest	12 11 10
Lumter, C. T.	Mararoa	Bruised ribs	12 0 8
Lynne, R.	Wakatere	Injured foot	9 7 0
Madsin, A.	Hikurangi	Scalded foot	8 0 6
Maltby, G.	Mapourika	Internal hæmorrhage	9 9 8
Mann, H.	Tarawera	Eye trouble	6 18 6
Martin, F.	Navua	Burnt hand	7 7 0
Matheson, J.	Waverley	Asthma	24 2 8
Mentzer, E.	Canopus	Muscular rheumatism	5 17 6
Meyers, C.	Aupouri	Sick	9 7 4
Miller, C. D.	Chelmsford	Rendered unconscious by a fall	8 0 0
Miller, G.	Maori	Influenza	4 8 0
Molloy, P.	Rarawa	Poisoned leg	4 19 8
Moncrieff, P.	Kurow	Pneumonia	8 2 0
Moore, W. J.	Kaitoa	Stone in bladder	6 10 0
Mudie, J.	Kowhai	Fractured ribs	8 0 0

RETURN showing AMOUNTS paid to SICK and DISABLED SEAMEN—*continued*.

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid for Wages, Maintenance, &c.
			£ s. d.
Mulcahy, W.	Talune	Injured leg	8 0 8
Muncher, A.	Rimu	Injured knee	15 15 0
Murray, P.	Rarawa	Injured knee	7 12 6
Murray, T.	Navua	Injured back and side	7 8 0
McCallum, G. C.	Wairuna	Strained and ruptured	24 14 0
McCarthy, H.	Corinna	Influenza	3 18 0
McCarthy, T.	Maori	Quinsy	5 1 4
McCorkendale, M.	Mokoia	Injured foot	13 12 0
McFarlane, D.	Talune	Scalded head	9 12 6
McKenna, W.	Kaituna	Ulcer on shin	12 3 4
McKenzie, A.	Kotuku	Leg torn off (fatal)	60 4 2
McKenzie, J.	Matatua	Broken leg	50 0 0
McKinnon, J.	Ngapuhi	Injured internally	15 4 0
McLaughlan, J.	Hauaroa	Cold in eye	11 15 0
McLean, A.	Altair	Poisoned finger	8 4 2
McLeod, R.	Waipori	Cold in eye	7 10 8
McPherson, A.	Makura	Abcess on liver	9 4 0
McRae, D.	Mapourika	Strained back	4 18 0
McRae, W.	Stormbird	Split toe	16 1 0
Naismith, T.	Ngatoro	Injured foot	19 16 4
Nelson, W.	Kapiti	Bruised	4 0 0
Nicholson, T.	Ripple	Acute rheumatism	31 14 0
Northcote, G.	Waverley	Influenzal bronco-pneumonia	14 4 2
Oddy, G.	Warrimoo	Fractured ankle	8 10 0
Oldridge, J. H.	Ngahere	Injured leg	7 13 4
Olsen, L.	Fanny	Drowned	7 19 3
Olsson, H.	Mararoa	Appendicitis	15 15 0
Orley, J.	Maori	Fever	2 13 4
Owen, J.	Marama	Appendicitis	7 11 0
Owen, L.	Ngatiawa	Swollen knee	16 2 6
Pastry, Y.	Taniwha	Ptomaine poisoning	6 2 2
Parker, J.	Rakanoa	Injured eye	20 0 0
Partridge, P.	Ngapuhi	Poisoned shin	9 0 0
Partridge, P.	Ngapuhi	Injured leg	19 0 0
Paton, G.	Warrimoo	Internal complaint	6 2 6
Paulsen, I.	Maori	Poisoned finger	2 18 0
Peters, W.	Joseph Craig	Strained back	12 13 8
Petersen, P.	Hawk	Injured side	11 12 6
Phillips, C.	Kahu	Hernia	14 3 0
Poole, S.	Glenelg	Injured elbow	14 18 0
Prendeville, J.	Kamona	Appendicitis	39 14 0
Price, G.	Victoria	Mumps	6 7 10
Quinn, P.	Maori	Rheumatics	29 2 0
Ransley, C.	Warrimoo	Pneumonia	11 16 8
Reckson, C.	Aorangi	Injured foot	4 4 6
Reeves, W.	Hauipi	Injured elbow	8 15 0
Richards, J.	Regulus	Rupture	33 12 6
Richardson, W.	Tangaroa	Broncho-pneumonia	15 16 2
Riley, W.	Kini	Internal injuries	17 9 2
Ross, A. L.	Fanny	Drowned	1 10 0
Rowe, W.	Poherua	Rheumatism	14 12 6
Russell, J.	Mararoa	Throat trouble	8 19 10
Samuelson, M.	Waimea	Fractured skull	9 17 8
Sandstrom, C.	Ruru	Paralytic stroke	50 4 0
Saunders, H.	Talune	Ricked back	8 12 6
Sarciet, M.	Queen of the South	Strained chest	10 10 7
Saul, William	Dandy	Bruised arm	9 11 0
Scott, T.	Mararoa	Ruptured	16 17 6
Scouar, G.	Kaiapoi	Injured knee	11 14 11
Sharp, C.	Arahura	Influenza	6 6 0
Shivers, A.	Wakatu	Injured back	5 5 0
Silversten, O. C.	Blenheim	Appendicitis	15 10 0
Simpson, J.	Maheno	Injured knee	13 3 2
Skelton, J.	Stormbird	Cut leg	14 5 4
Smith, A.	Pateena	Ear trouble	6 10 0
Smith, E.	Rosamond	Poisoned arm	7 17 6
Smith, W. J.	Waihora	Burnt foot	9 8 4
Snowden, J.	Tarawera	Fatal	17 19 7
Sparks, S.	Hauiti	Rheumatic fever	1 14 8
Spurgin, H.	Mokoia	Bad cold	11 15 8
Staffensken, B.	Mokoia	Scalded foot	8 2 0
Staker, F.	Kaiapoi	Rheumatic fever	21 17 0
Standen, H.	Mararoa	Scalded foot	15 13 0
Steinbruggers, H.	Kotuku	Crushed hand	13 16 6
Stevens, H.	Wanaka	Inflammation of knee	9 0 0
Stewart, G. G.	Ionic	Paralysis of legs	50 0 0
Stoddart, P.	Mararoa	Poisoned thumb	12 19 0
Stokes, G.	Waiotahi	Appendicitis	16 4 3
Swinton, James	Apanui	Injured foot	26 18 6
Sussex, S.	Ngapuhi	Injured foot	8 12 10
Tall, J.	Pateena	Swollen testicle	3 0 0
Thomas, A.	Linstol	Tonsillitis	3 14 0
Thomson, J.	Poherua	Ruptured	37 7 0

RETURN showing AMOUNTS paid to SICK and DISABLED SEAMEN—*continued*.

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid for Wages, Maintenance, &c.
			£ s. d.
Thorner, L.	Rangatira	Injured back	7 11 7
Thyman, W.	Tarawera	Internal pains	18 3 0
Topfer, M.	Kittawa	Internal pains	11 18 0
Treby, F.	Mokoia	Injured hand	3 16 2
Trench, E.	Monowai	Cut leg	6 12 8
Tullock, T.	Manuka	Strained inwardly	5 4 4
Udall, J.	Kennedy	Bronchitis	24 10 6
Walker, E.	Kahu	Influenza	9 0 0
Walker, J.	Kamona	Scalded foot	14 10 8
Walsh, E.	Maia	Fractured ribs	9 1 4
Walters, G.	Kanieri	Bruised finger	8 15 10
Warnberg, F.	Tasman	Injured hand	6 15 0
Warren, F.	Monowai	Scarlet fever	15 18 8
Watson, C. J.	Korora	Appendicitis	12 7 8
Watson, I.	Wootton	Poisoned finger	7 2 8
Watson, J. W.	Kahu	Intercostal strain	20 1 11
Webb, W.	Tahiti	Injured foot	3 13 6
Welsh, J.	Warrimoo	Sprained wrists and injured knees	6 16 0
White, T.	Canopus	Internal piles	11 2 0
Whittaker, C.	Komata	Strained back	8 8 0
Wilson, J.	Pateena	Broken rib	10 13 0
Wilson, J.	Maitai	Strained inwardly	6 5 0
Wilson, N.	Mararoa	Scalded arm	4 10 0
Wiltshire, J. L.	Takapuna	Injured chest	6 0 0
Winters, L.	Ngatiawa	Fractured skull	23 18 6
Wood, J.	Warrimoo	Crushed foot	11 9 8
Woods Y.	Rimutaka	Poisoned foot	3 9 0
Woodthorpe J.	Moa	Inward strain	9 10 0
Wylie, James	Chelmsford	Bruised side	6 13 0
Young, P.	Lindstol	Drowned	5 0 0
Young, T.	Victoria	One finger cut off and another injured	37 14 6
Young, W. J.	Flora	Crushed finger	18 19 4
Zavada, L.	Rio	Burnt on arms and face	11 11 7
		Total	£3,668 17 10

RETURN OF ACCIDENTS to WATERSIDE WORKERS reported to the MARINE DEPARTMENT during the Financial Year ended 31st March, 1912.

Date.	Name of Person injured.	Nature of Injury: Fatal or otherwise.	Place where Accident occurred.	Particulars as to Accident and its Cause, and Verdict of Jury if Inquest held.
1911.				
April 1	J. Scott ..	Crushed finger	Lyttelton	Finger squeezed between lever of railway points.
" 1	N. S. Hempstalk	Slight injury	Lyttelton	Knocked out of a truck by a basket of coal.
" 3	A. McCormack	Crushed leg	Lyttelton	Leg jammed between railway-wagon and chute.
" 6	F. Saddler	Injured leg	Lyttelton	Piece of timber fell out of a sling and hit his leg.
" 6	Thomas Ridout	Broken rib	Wellington	Kicked by a horse.
" 7	W. Chandler	Injured leg	Wanganui	Leg jammed by sling of timber.
" 8	C. W. Wadman	Injured foot	Wanganui	Struck on foot by roll of spouting.
" 15	C. Malune	Slight injury	Lyttelton	Sling of timber jammed him against a truck.
" 15	S. Bamford	Slight injury	Lyttelton	Sling of timber jammed him against a truck.
" 15	T. A. Smith	Rupture ..	Greymouth	Injured while lifting fore-and-aft beam.
" 20	William M. Henry	Injured hip	Auckland	Struck by a sling of cement.
" 24	J. McGurk	Crushed foot	Greymouth	Piece of timber fell out of a sling on to his foot.
" 27	W. Knott	Injured wrist	Lyttelton	He fell on his hand.
" 28	J. Snythe	Bruised body	Greymouth	A sling of timber fell on him.
" 29	A. Beaumont	Crushed thumb	Lyttelton	His thumb was jammed between sling of timber and railway-truck.
May 2	J. McSwain	Gashed nose	Wanganui	His hook slipped whilst handling a large case.
" 9	William Jones	Burnt arms and face	Auckland	Flames blew out through furnace door.
" 9	R. Glen ..	Injured fingers	Greymouth	While coupling up wagon he got his fingers caught.
" 13	J. Grassam	Wounded head	Greymouth	Piece of timber fell out of a sling on to his head.
" 20	William Byrne	Injured hand	Greymouth	Piece of timber fell out of a sling and struck his hand.
" 20	J. Johnson	Strained back	Greymouth	Injured whilst hauling a sling in hold.
" 25	M. Franklin	Injured back	Wellington	A truckload of nails slipped, and the truck-handle struck him on back.
" 25	W. Smith	Injured foot	Lyttelton	A lump of coal struck his foot.
" 25	S. C. Gibson	Broken leg	Wellington	Struck by a sling of cargo.
" 27	J. Halliday	Injured hand	Wellington	His hook slipped and pierced a vein in his hand.
June 1	F. Ball ..	Fractured ribs	Greymouth	Fell off a truck on the wharf.
" 2	J. Keane	Injured finger	Wanganui	He injured his finger whilst trucking cargo.
" 5	William Galland	Injured hand	Greymouth	Struck with hook from sling.
" 6	R. Ford ..	Crushed foot	Greymouth	A piece of timber fell on his foot.
" 7	J. Flynn ..	Injured head	Lyttelton	His mate fell off a truck and struck him with hook.
" 10	H. Goodman	Dislocated shoulder	Lyttelton	Fell down hold.
" 10	William Blanche	Lacerated fingers	Lyttelton	Had his fingers ripped by a frayed snauter.
" 12	J. A. Sheppard	Injured leg	Lyttelton	A case fell on his leg.
" 13	J. Davy ..	Injured thigh	Nelson	Whilst discharging sleepers one struck him on thigh.
" 13	W. Strange	Bruised leg	Nelson	Whilst discharging sleepers one struck him on thigh.
" 14	Thomas Prosser	Crushed ..	Auckland	Crushed by sling of basic slag.
" 14	John Buchanan	Bruised leg	Auckland	Struck by bag of basic slag.
" 14	A. Rodgers	Bruised leg	Greymouth	Hit by sling of timber.
" 16	William Brewer	Killed ..	Lyttelton	Lump of coal fell on his head. Coroner's verdict, "Accidentally killed by a lump of coal falling on his head on the s.s. 'Ngatoro.'"
" 16	M. Gibbins	Bruised face	Greymouth	Struck by a piece of flying timber.
" 16	A. McDowell	Bruised leg	Greymouth	Got hit by a sling of timber.
" 26	A. E. Jones	Crushed hand	Greymouth	Struck on hand by a lump of coal.
" 27	William Rose	Bruised hand	Greymouth	Struck on hand by chain-hook.
" 29	W. Maxwell	Scalp wound	Hokitanga	Struck by a sling of timber.
July 6	R. Savage	Injured back and bruised loins	Wanganui	Struck by an empty basket.

RETURN OF ACCIDENTS TO WATERSIDE WORKERS reported to the MARINE DEPARTMENT, &c.—continued.

Date.	Name of Person injured.	Nature of Injury: Fatal or otherwise.	Place where Accident occurred.	Particulars as to Accident and its Cause, and Verdict of Jury if Inquest held.
1911.				
July	T. Saunders	Crushed toe	Greymouth	Toe crushed by sling of timber.
" 7	C. Cook	Concussion of brain	Greymouth	Knocked off a wagon.
" 15	H. Olsen	Injured shoulder	Lyttelton	A sling knocked him out of a truck.
" 18	C. Read	Injured leg	Lyttelton	Slipped and hurt his leg.
" 19	F. Williams	Twisted ankle	Greymouth	Jammed by some timber.
" 20	S. Stanley	Twisted leg	Greymouth	Fell through manhole-door in bulkhead.
Aug.	— Simpson	Injured head	Auckland	A piece of coal fell out of a basket on to his head.
" 5	A. Histed	Broken arm and leg	Wanganui	Knocked out of cart by a basket of coal.
" 6	W. S. Vile	Poisoned hand	Greymouth	Wood splinter entered his hand.
" 12	E. O'Brien	Bodily injuries	Greymouth	Fell off a timber wagon on wharf.
" 19	J. H. Cousins	Injured hand	Lyttelton	Whilst working cargo injured his hand with hook.
" 19	John Hill	Crushed toes	Auckland	Whilst unloading slag got toes crushed under a truck.
" 22	R. Long	Injured groin	Wanganui	Stepped down open hatchway.
" 24	A. Patterson	Injured instep	Lyttelton	A piece of timber fell on his instep.
" 25	W. McBride	Lacerated fingers	Greymouth	Had his fingers lacerated by piece of timber.
" 29	S. Martin	Sprained ankle	Greymouth	Slipped on deck.
" 30	J. Weller	Crushed hand	Wanganui	Whilst filling sling with cargo got his hand crushed.
" 31	Edward Travers	Bruised back	Auckland	Fell from 'tween decks into lower hold.
	H. M. Anderson	Crushed knee	Auckland	Whilst trying to place piano-case in sling it slipped and crushed him against another case.
Sept.	W. Knowles	Stunned	Lyttelton	Fell off a railway-wagon.
" 8	A. Hanan	Sprained foot	Hokitanga	Sling of timber pinned his foot.
" 14	E. Davis	Injured hand	Hokitanga	Hook slipped whilst shifting a sack of wheat.
" 16	William Baker	Crushed arm and hand	Auckland	Case of gum fell on him.
" 18	T. Holden	Burnt about face, head, and hands	Dunedin	Injured by explosion in hold of s.s. "Breeze."
" 18	T. Harrison	Burnt about face, head, and hands	Dunedin	Injured by explosion in hold of s.s. "Breeze."
" 18	M. Cottle	Burnt about face, head, and hands	Dunedin	Injured by explosion in hold of s.s. "Breeze."
" 18	P. Healy	Burnt about face, head, and hands	Dunedin	Injured by explosion in hold of s.s. "Breeze."
" 18	P. Minchin	Poisoned hand	Greymouth	Wood splinter entered his hand.
" 19	Henry Davis	End of finger torn off	Auckland	Got hand caught in sling of sugar.
" 20	P. Riley	Fractured skull	Oamaru	Fell down hold.
" 20	Harry Deason	Broken leg and hurt arm	Auckland	Tell down hold.
" 21	George Wadley	Injured foot	Wellington	Knocked down hold.
" 22	A. Tyro	Injured thumb	Lyttelton	Piece of iron ran into his thumb.
" 23	W. Neilson	Strained tendon of finger	Lyttelton	Caught his finger under irons on coal-basket.
" 25	E. Blocksage	Injured hand	Greymouth	Hand jammed by piece of iron.
" 25	Charles J. Morrison	Seriously injured	Auckland	Truck tipped up and threw him into the air, landing on his back.
Oct.	F. McIntyre	Cut finger	Greymouth	Finger cut by piece of hoop-iron off case.
" 3	C. Wadman	Bruised and shaken	Wanganui	Knocked on to s.s. "Stormbird" by sling of cargo.
" 7	R. Mason	Crushed leg	Greymouth	Jammed by case of goods.
" 9	D. Murphy	Crushed fingers	Greymouth	Crushed between piles of wharf.
" 20	Arthur Casey	Crushed fingers	Auckland	Sack of raw sugar fell on his leg.
" 21	Percy Green	Broken leg	Auckland	He was knocked off a truck.
" 26	Thomas Spencer	Scalp wound and injured shoulder	Bluff	Had his hand caught between sling of cargo and coaming of hatch.
" 30	Albert Humby	Injured hand	Auckland	Lorry jammed him against a case.
" 30	W. Usmar	Crushed across stomach	Wellington	

Nov.	6	John Carter	Injured leg	..	Auckland	Got his leg caught in winch and piece taken out of it.
"	6	J. Galland	Finger nail torn off	..	Greymouth	Finger was nipped by chain-sling.
"	8	N. T. Rose	Bruised leg	..	Greymouth	Some timber fell on him.
"	21	Hiko Poreorira	Injured leg	..	Opua	Struck by piece of timber.
"	25	T. Croucher	Injured hand	..	Wanganui	Another man's hook ran into his hand.
"	25	Thomas Kellett	Drowned	..	Helensville	Verdict, "Accidentally drowned."
"	30	William Spencer	Injured hand	..	Bluff	A rail fell on his hand.
Dec.	1	J. P. Amos	Slight injury	..	Lyttelton	Knocked out of a truck by a sling of timber.
"	8	William Johnson	Crushed ..	..	Auckland	Crushed between bales of wool and hatch coaming.
"	12	— Cutman	Injured face	..	Auckland	Knocked against train-line by a basket of coal.
"	12	J. Field	Small bone of leg broken	..	Greymouth	Some timber fell on him.
"	15	William Wrixon	Fractured skull (fatal)	..	Wellington	Sling of cargo knocked him off s.s. "Manuka" on to wharf.
"	15	James Craig	Fractured skull (fatal)	..	Port Chalmers	A hatch-cover fell down the hold and struck him on the head.
"	19	G. Dallard	Injured back	..	Greymouth	Injured whilst lifting a piece of timber.
"	20	J. McLeod	Crushed fingers	..	Greymouth	Fingers were nipped by chain-sling.
"	22	G. Wintrow	Broken toe	..	Greymouth	Struck by piece of timber.
"	23	Walter Thomb	Injured head	..	Auckland	Fell off motor-car case on his head.
"	30	Henry Randel	Broken thigh	..	Wellington	Knocked against ship's side by piece of timber.
"	31	Charles Smith	Fractured skull	..	Wellington	A case fell on him.
1912.						
Jan.	7	John Ross	Fractured leg and broken collarbone	..	Wellington	Struck by a dump of wool.
"	8	Harry Hoskin	Wounded forehead	..	Auckland	Hit above eye by piece of iron.
"	8	John Ciele	Ricked back	..	Wellington	Struck by a basket of coal and knocked down.
"	13	Robert McCary	Broken leg	..	Wellington	Sling containing sacks of peas fell on him.
"	13	W. Murray	Contusion of scrotum	..	Lyttelton	Whilst climbing over side of railway-truck.
"	17	Richard Oakley	Scalp wound and sprained wrist	..	Lyttelton	Struck by some timber.
"	23	Fredrick Saunders	Crushed toe	..	Wellington	A steel girder fell on his toe.
"	23	Thomas Fleming	Bruised foot	..	Wellington	A truck-door fell on his foot.
"	26	H. Brier	Injured wrists	..	Greymouth	A sling of timber fell on him.
"	30	W. Ewart	Scalp wound	..	Oamaru	Lurch of ship pushed chute on which he was working in front of passing engine.
"	31	A. E. Jones	Crushed foot	..	Greymouth	Iron rail fell on him.
Feb.	6	John Hawes	Cut head and bruised arm	..	Auckland	Whilst working on s.s. "Mamari."
"	6	Alexander Paterson	Injured privates	..	Auckland	Struck by a trestle.
"	12	W. Moore	Cut near right eye	..	Wanganui	Struck on face by a tier of goods in hold of s.s. "Storm."
"	12	E. Foreman	Strained back	..	Wanganui	Strained by lifting a case of goods on to a barrow.
"	12	J. Parsons	Crushed foot	..	Greymouth	A sling of iron fell on him.
"	13	J. Springle	Crushed finger	..	Greymouth	Jammed by a piece of timber.
"	16	Andrew Petersen	Broken collarbone and scalp wound	..	Auckland	He fell down the hold of s.s. "Kaipara."
"	21	J. P. Desmond	Broken ribs	..	Greymouth	He fell off a wagon.
Mar.	2	William Morrison	Broken ribs	..	Auckland	Crushed by a sling of cargo.
"	2	J. M. Devery	Injured back	..	Greymouth	Injured through lifting a sack of flour.
"	4	A. Rodgers	Bruised leg	..	Greymouth	A sling of timber fell on him.
"	5	A. Ealem	Fractured rib	..	Lyttelton	He fell on side of a truck whilst receiving timber.
"	9	J. Nixon	Injured head	..	Lyttelton	A lump of coal fell on his head.
"	12	William Leary	Fractured leg	..	Wellington	A barrel fell on his leg.
"	15	G. Glasdon	Fractured arm	..	Wellington	Handle flew off hand-winch which he was working and broke his arm.
"	26	Norman McPhee	Severe shock	..	Auckland	Fell 12 ft. down hold.
"	29	George Davis	Broken ankle	..	Lyttelton	A sling of timber struck him on the ankle.

RETURN OF CONVICTIONS OF SEAMEN, ETC., FOR OFFENCES AGAINST THE PROVISIONS OF THE SHIPPING AND SEAMEN ACT, UNDER PROCEEDINGS TAKEN BY MASTERS AND OTHERS, REPORTED TO THE MARINE DEPARTMENT DURING THE YEAR ENDED 31ST MARCH, 1912.

Name of Person.	Position held.	Ship.	Particulars of Offence, &c.	Date of Conviction.	Penalty imposed.
Allen, R.	A.B.	Waimate	Desertion	28/11/11	One month's imprisonment.
Anderson, C.	Fireman	Indra	Desertion	30/11/11	Fourteen days' imprisonment.
Backhouse, F.	Stevodore	Moana	Broaching cargo	20/11/11	Fined £3.
Batchelor, W.	Cook	Surrey	Using obscene language	21/9/11	Fined £2.
Bell, S. T.	O.S.	Kaikoura	Desertion	9/11/11	Ordered to be placed on board, and pay expenses £3 0s. 6d.
Bonny, S.	Fireman	Ruapehu	Drunk and disorderly	20/6/11	Fined 5s.
Brown, E.	Fireman	Clan MacLaren	Absent without leave	18/12/11	Fourteen days' imprisonment.
Campbell, J.	Fireman	Corinthic	Absent without leave	7/12/11	Twenty-four hours' imprisonment, or two days' pay, and 7s. costs.
Carbaine, B.	Fireman	Clan MacLaren	Absent without leave	18/12/11	Fourteen days' imprisonment.
Carroll, L.	Fireman	Drayton Grange	Absent without leave	30/12/11	Fined two days' pay.
Carter, A.	Steward	Zealandic	Assaulting steward	30/12/11	Seven days' imprisonment.
Carter, P.	Fireman	Wairuna	Disobeying lawful commands	12/5/11	Fined 10s.
Carter, W.	Fireman	Arawa	Desertion	30/1/12	Fourteen days' imprisonment.
Carter, W.	Fireman	Arawa	False declaration (section 52 of Shipping and Seamen Act)	30/1/12	Twenty-one days' imprisonment.
Clansey, J.	Fireman	Tainui	Absent without leave	18/4/11	Convicted, and ordered to come up for sentence when called upon.
Coleman, M.	Fireman	Surrey	Assaulting police	21/9/11	Fined £1.
Cowan, J.	Fireman	Zealandic	Absent without leave	30/12/11	Seven days' imprisonment.
Crawley, E.	Second cook	Delphic	Absent without leave	13/2/12	Fourteen days' hard labour.
Daley, C.	Fireman	Ruapehu	Drunk and obscene language	20/6/11	Fined £4, or seven days' imprisonment.
Donald, R.	Trimmer	Navua	Assault on second engineer	24/6/11	Fined £2 and 7s. costs, or seven days' imprisonment.
Duff, J.	Fireman	Clan Ross	Breaking a window	17/5/11	Fined £5, or one month's imprisonment.
Facey, H.	Fireman	Ruapehu	Desertion	8/9/11	Fined two days' pay.
Fallon, T.	Fireman	Waimana	Desertion	28/3/12	Fined £3, and 7s. costs, or fourteen days' imprisonment.
Franklin, E.	Boatswain	Morayshire	Disobeying lawful commands	31/5/11	Fined two days' pay, and costs 7s.
Frederickson, J.	Fireman	Zealandic	Absent without leave	13/2/12	Fourteen days' hard labour.
Frederickson, J.	Fireman	Zealandic	Assaulting chief engineer	13/2/12	Fourteen days' hard labour.
Frederickson, J.	Fireman	Zealandic	Assaulting police sergeant	13/2/12	Fourteen days' hard labour.
Goldham, A.	A.B.	Drayton Grange	Absent without leave	1/6/11	Fined 10s., and 7s. costs, or twenty-four hours' imprisonment.
Gosling, J.	Fireman	Warrimoo	Disobeying lawful commands	8/5/11	Fined £1, and 7s. costs, or seven days' imprisonment.
Gregory, J.	Fireman	Surrey	Assaulting police	21/9/11	Fined £1.
Gulbrandsen, O.	A.B.	Rio	Desertion	20/2/12	One month's imprisonment, and costs.
Hatch, W. J.	Trimmer	Kaipara	Absent without leave	7/2/12	Fourteen days' imprisonment.
Hazler, J.	A.B.	Drayton Grange	Absent without leave	1/6/11	Fined 10s., and 7s. costs, or twenty-four hours' imprisonment.
Higginson, G. H.	A.B.	Mamari	Absent without leave	6/2/12	Seven days' imprisonment, and costs.
Hindle, J.	Stevodore	Moana	Broaching cargo	20/4/11	Fined £3.
Hunter, A.	Fireman	Waimana	Desertion	28/3/12	Fourteen days' imprisonment, and 7s. costs.
Jarvis, A.	Fireman	Maclaren	Absent without leave	18/12/11	Fourteen days' imprisonment, and 7s. costs.
Jenkins, A.	Quartermaster	Tainui	Drunkness	17/5/11	Convicted and discharged.
Jenkins, A.	Quartermaster	Tainui	Disobedience to lawful commands	17/5/11	Fined 10s., and 7s. costs, or twenty-four hours' imprisonment.
Jenkins, T.	Fireman	Tainui	Absent without leave	20/4/11	Convicted, and ordered to come up for sentence when called upon.

Johansen, K.	A.B.	Ariel	Desertion	20/4/11	One month's imprisonment, and 7s. costs.
Jones, W. T.	Carpenter	Ruapehu	Desertion	21/9/11	One month's imprisonment.
Kelly, T.	Fireman	Talune	Assaulting a steward	26/5/11	Six months' imprisonment.
Langford, F.	A.B.	Kaikoura	Absent without leave	1/12/11	Fourteen days' imprisonment.
Lettier, W.	A.B.	Drayton Grange	Absent without leave	1/6/11	Fined 10s., and 7s. costs, or twenty-four hours imprisonment.
Lowe, J.	Fireman	Tainui	Absent without leave	20/4/11	Convicted, and ordered to come up for sentence when called upon.
Lunn, W.	A.B.	Rio	Desertion	20/2/12	One month's imprisonment, and costs.
Mars, J.	Fireman	Kaipara	Desertion	14/3/12	One month's imprisonment, and 7s. costs.
Martin, T.	Fireman	Wairuna	Disobeying lawful commands	12/5/11	Fined 10s.
Matthews, J.	Fireman	Wairuna	Disobeying lawful commands	12/5/11	Fined 10s.
Miller, G.	Fireman	Rotorua	Absent without leave	7/3/12	Convicted, and ordered to pay 7s. costs.
Morrisey, J.	Fireman	Wairuna	Disobeying lawful commands	12/5/11	Fined 10s.
Moss, J.	Fireman	Indralama	Drunkness	27/9/11	Convicted, and discharged.
Mott, E. S.	Second cook	Corinthic	Desertion	4/4/11	One month's imprisonment, and 7s. costs.
Needham, P.	Fireman	Rotorua	Desertion	4/12/11	One month's imprisonment.
Niblock, E.	Trimmer	Zealandic	Absent without leave	7/2/12	Fourteen days' imprisonment.
Norcott, H.	Fireman	Remuera	Desertion	8/2/12	One month's imprisonment.
Porchard, C.	Fireman	Wairuna	Disobeying lawful commands	12/5/11	Fined 10s.
Peterson, P.	Fireman	Indralama	Desertion	27/9/11	Fined two days' pay, and put on board.
Pollard, R.	Fireman	Tainui	Absent without leave	18/4/11	Convicted, and ordered to come up for sentence when called upon.
Pounell, P.	A.B.	Clan Ogilvie	Assaulting another A.B.	18/4/11	Committed to Supreme Court.
Pye, F.	A.B.	Otaki	Desertion	8/6/11	One month's imprisonment.
Reinerholt, R.	A.B.	Duncrag	Desertion	7/8/11	One month's imprisonment.
Rhymes, A.	Fireman	Corinthic	Absent without leave	7/12/11	Twenty-four hours' imprisonment, or two days' pay, and 7s. costs.
Ridell, J.	Boatswain's mate	Ruapehu	Desertion	22/6/11	One month's imprisonment.
Riley, P.	A.B.	Clan MacLaren	Absent without leave	18/12/11	Fourteen days' imprisonment.
Rugby, R. C.	Fireman	Whakarua	Desertion	20/5/11	One month's imprisonment.
Santy, D.	Greaser	Remuera	Desertion	8/2/12	One month's imprisonment.
Shao, G.	O.S.	Volador	Refusing to work	20/9/11	Ordered to resume work.
Smith, E.	Fireman	Wanaka	Assault on second mate	7/4/11	Seven days' imprisonment, or £3.
Stevens, G.	A.B.	Mamari	Absent without leave	6/2/12	Seven days' imprisonment, and costs.
Stevenson, H.	A.B.	Waimate	Desertion	28/11/11	One month's imprisonment.
Tiger, C.	A.B.	Duncrag	Desertion	7/8/11	One month's imprisonment.
Tipton, E.	Fireman	Opawa	Absent without leave	7/2/12	Fourteen days' imprisonment.
Vale, S.	A.B.	Rimutaka	Desertion	25/9/11	Twenty-four hours' imprisonment, or forfeit two days' pay, and 7s. costs.
Van Berg, E. J.	O.S.	Volador	Refusing to work	20/9/11	Ordered to resume work.
Wall, J. K.	Fireman	Otaki	Desertion	30/6/11	Fined £2, and 7s. costs.
Watts, W.	Fireman	Remuera	Desertion	8/2/12	One month's imprisonment.
White, J.	Fireman	Tainui	Absent without leave	18/4/11	Convicted, and ordered to come up for sentence when called upon.
Winkie, T.	Fireman	Rotorua	Desertion	28/3/12	Fined £7 10s., and £1 8s. costs.
Young, W.	Stevedore	Moana	Broaching cargo	20/11/11	Fined £3.

RETURN showing the NOTICES to MARINERS relating to Matters within the Dominion issued by the Marine Department during the Year ended 31st March, 1912.

Port or Place.	Subject of Notice.
Auckland Harbour	Explosives anchorage for vessels.
"	Explosives anchorage for small craft.
"	Dredger off Railway Wharf.
"	Rocks in Rangitoto Channel.
"	Explosives anchorage for vessels.
"	Explosives anchorage for vessels.
"	Morse system for night signalling installed.
"	Protected anchorage for yachts.
"	Reclamation at St. George's Bay.
"	Lights on Orakei and St. Heliers Bay Wharves.
"	Removal of rocks in Rangitoto Channel.
"	Dredging in Commercial Harbour.
"	Rocks in Motuihi Channel.
"	Rocks in Motuihi Channel.
"	Rocks in Rangitoto Channel.
"	Erection of dolphins in Freeman's Bay.
"	Buoy to be placed in Motuihi Channel.
"	Lights on Orakei and St. Heliers Bay Wharves.
"	Change in buoyage off Rough Rock.
"	Warping buoys in Drunken Bay.
"	Position of buoys in Motuihi Channel.
"	Mooring buoy in Shoal Bay.
"	Light on St. Helier's Bay Wharf.
"	Warping buoy in Freeman's Bay.
Bluff Harbour	Removal of telegraph signal-staff at Stirling Point.
"	Dredging on eastern end of Middle Bank.
"	Rock in fairway at harbour entrance.
"	New light tower at Stirling Point.
Collingwood Harbour	Aorere River leading-lights.
Foxton Harbour	Signals for working bar.
Hokianga	Soundings in channels.
"	Changes in channel.
"	Changes in channel.
Hokitika Harbour	Night-signal lights.
"	Training-wall lights.
Kaipara	Shoals on bar.
"	Dredging in Helensville Creek.
Karamca River	Signal-staff shifted.
"	Signals for entering and leaving river.
"	Discontinuance of leading beacon lights.
Napier	Morse signalling installed at Port Ahuriri. Colour of Pania Reef buoy changed.
"	Dredging off inner harbour.
New Plymouth	Wharf berthing signals.
New Zealand coast	"New Zealand Nautical Almanac" issued.
"	Newly determined position of Three Kings Islands.
"	Sunken rock off Three Kings.
"	Uncharted rock off Bay of Islands.
"	Sunken rock off Mokohinou.
"	Buoy between Three Kings and Cape Maria van Diemen for survey purposes.
"	Reported rock south-west of Cook Rock, off Brothers Island.
"	"New Zealand Nautical Almanac and Tide Tables for 1912," and Supplement to "New Zealand Pilot," eighth edition, 1908.
"	Issue of new Nautical Tables.
"	Newly determined position of West Island of Three Kings.
"	"Tables for Azimuth Great Circle Sailing and Reduction to the Meridian," by H. S. Blackburne, <i>errata</i> .
"	"New Zealand Nautical Almanac," <i>errata</i> .
"	"New Zealand Time Service Arrangements."
"	Uncharted rock off Francis Head, approaching Admiralty Bay, Cook Strait.
Otago Harbour	New beacons, lower harbour.
"	New beacons, lower harbour, to be lighted.
Poverty Bay	Tuahine Point new lighthouse.
"	Tuahine Point new lighthouse (further notice).
Queen Charlotte Sound	Change in light on Dieffenbach Point.
Timaru	Fog-signal on Patiti Point.
Tokomaru Bay	Leading-beacons moved.
"	Lights on leading-beacons.
Waimakariri Harbour	Bar-beacons.
"	Bar-beacons.
"	Temporary flagstaff re-erected.
Wanganui	Lights on moles at entrance.
Wellington Harbour	Falcon Shoal dredged channel.
"	Removal and change in position of Falcon Shoal beacon.
"	Removal of dredge over Falcon Shoal.
Whangarei	Lights for lifting span on bridge at Kioreroa.

RETURN showing the ORDERS IN COUNCIL which have been issued during the Year ended the 31st March, 1911.

Date of Order.	Purpose of Order.
1911.	
April 1	Alters representation of Mount Peel Road District on Timaru Harbour Board, and appoints principal authority and Returning Officer.
" 8	Approves plan of approach to wharves at Timaru for Timaru Harbour Board.
" 8	Approves plan of Tauranga County Council's bridge over Wairoa River, and authorizes construction of same.
" 8	Approves plan of T. Hartley and Son's shipping office at Kohukohu.
" 8	Licenses T. Hartley and Son to occupy foreshore at Kohukohu as site for shipping office.
" 12	Approves plans of timber-booms for Leyland-O'Brien Timber Company on Tairua River.
" 12	Licenses Leyland-O'Brien Timber Company to occupy foreshore, Tairua River, as site for booms.
" 12	Approves plans of wharves for Thames Valley Co-operative Dairy Company on Waihou River, at Thames.
" 12	Licenses Thames Valley Co-operative Dairy Company to occupy foreshore, Waihou River, as site for wharves.
" 26	Extends close season for Risso's dolphin (Pelorus Jack).
" 26	Amends regulations under the Training Ships Act, 1908.
" 29	Approves plans of harbour-improvement works for Wanganui Harbour Board.
" 29	Approves plans of retaining-wall from Victoria Wharf to Black Jack's Point for Otago Harbour Board.
" 29	Approves plans of slipways at Freeman's Bay for Auckland Harbour Board.
" 29	Approves plans of wharf for O. F. Burford in Collingwood Harbour.
" 29	Licenses O. F. Burford to occupy foreshore, Collingwood Harbour, as site for wharf.
" 29	Extends close season for seals until 30th June, 1912.
" 29	Appoints A. C. Hansen to be a member of the Westport Harbour Board.
" 29	Revokes Order in Council licensing Andrew Kelly to occupy foreshore at Opunake as site for a wharf.
May 18	Approves plans of Collingwood County Council's bridge over Coal Creek, and authorizes construction of same.
" 18	Approves plans of Gisborne Borough Council's drainage swing-bridge over Waimata River, and authorizes construction of same.
" 18	Revokes Order in Council licensing Niagara Sawmill Company to occupy foreshore, Waikawa Harbour, as site for wharf.
" 18	Approves plan of reconstruction of ten bays in Matakoho Wharf for Otamatea County Council.
" 20	Approves plan of river-protective works for Waipu River Board.
" 20	Makes regulation fixing dues and otherwise re Kaipara Harbour and Hobson County Council's wharves therein.
" 20	Licenses J. Harrold, C. H. Lonnerker, E. S. Peterson, and J. Leask to occupy foreshore, Half-moon Bay, as sites for fish-sheds.
" 31	Extends time for election of Chairman of Lyttelton Harbour Board.
June 1	Grants a gratuity of £180 to Mrs. C. T. McGahey, widow of late F. McGahey, Principal Keeper at Jack's Point Lighthouse.
" 1	Approves plans of Quay Street landing for Auckland Harbour Board.
" 1	Amends Order in Council of 15th September, 1908, fixing lighthouse dues.
" 9	Amends regulations re netting in Taieri River and mouth.
" 10	Approves plan of harbour-works in Moure Lagoon for Motueka Harbour Board.
" 14	Approves plans of temporary landing-stage in Hobson's Bay, Auckland Harbour, for W. Forrest.
" 23	Prescribes dues for use of H. C. Harris's wharf at Te Mata, Hokianga.
" 23	Approves plans of boat-shed, &c., for A. C. Symons at Rawene.
" 23	Approves plans of boat-shed and skids in Evans Bay, Wellington Harbour, for H. Croucher and A. H. Mitchell.
" 27	Prescribes dues for use of Elmslie Bay Wharf.
July 3	Approves plans of wharf for Coromandel County Council at Cabbage Bay.
" 3	Licenses Coromandel County Council to occupy foreshore at Cabbage Bay as site for wharf.
" 3	Licenses S. W. P. Peddle to occupy foreshore, Whangapoua, as site for wharf, and prescribes dues for same.
" 3	Varies close season for oysters in South Island, Stewart Island, and adjacent islands.
" 6	Approves amending plans of Hokianga Harbour works.
" 25	Approves plans of Colonial Sugar Refining Company's wharf-extension at Chelsea, Auckland Harbour.
" 25	Approves plans of wharf for Rich and Jeffreys at Tukituki Bay.
" 25	Licenses Rich and Jeffreys to occupy foreshore at Tukituki Bay as site for wharf.
Aug. 7	Approves plans of concrete-wall across dock-site for Wellington Harbour Board.
" 7	Approves plans of extension of half-tide training-wall in Waimakariri River for Waimakariri Harbour Board.
" 7	Authorizes Auckland Harbour Board to reclaim land in St. George's Bay.
" 7	Approves plans of wharf for Rodney County Council at Leigh.
" 7	Licenses Rodney County Council to occupy foreshore at Leigh as site for wharf.
" 7	Approves plans of extension of Hokianga Brass Band shed at Hokianga.
" 7	Licenses S. Bacon and T. B. Hawkins, as trustees for Hokianga Brass Band, to occupy foreshore at Hokianga as site for shed.
" 7	Approves plan of improvement-works for Buller County Council, and authorizes carrying-out of such works in Karamea River.
" 7	Approves plans of boat-skids for P. E. Elliott in Balena Bay, Wellington Harbour.
" 7	Approves plan of harbour-improvement works for Wairoa Harbour Board.
" 7	Approves plans of extension of Elmslie Bay Wharf, and authorizes occupation of necessary foreshore for extension.
" 7	Approves of Westport Harbour Board expending £1,800 on railway-station at Stockton.
" 21	Approves plans of Hobson County Council's wharf at Kirikopuni.
" 21	Licenses Hobson County Council to occupy foreshore at Kirikopuni as site for wharf.
" 21	Approves plans of goods-shed on Dargaville Wharf, and authorizes Hobson County Council to occupy necessary foreshore for same.
" 29	Approves plans of wharf and slip for Rope Bros. at Te Kopuru.
" 29	Licenses Rope Bros. to occupy foreshore at Te Kopuru as site for wharf and slip.
" 29	Approves plans of tramway for E. G. Pilcher at Pakawau, and authorizes construction of same.
" 29	Amends rules fixing life-saving appliances to be carried by oil-launches.
" 29	Grants gratuity of £180 to Martha Lyall, widow of D. Lyall, late Principal Keeper at Taiaroa Head, and revokes Order in Council of 13th March, 1911, granting gratuity.
" 29	Revokes dues and rates for Hokianga County Council's wharves at Horeke, Kohukohu, and Rawene, and prescribes dues in lieu thereof.

RETURN showing the ORDERS IN COUNCIL issued, &c.—continued.

Date of Order.	Purpose of Order.
1911.	
Sept. 5	Approves plans of wharf for G. J. Smith on Oruawharu River, at Kaipara.
" 5	Licenses G. J. Smith to occupy foreshore, Oruawharu River, as site for wharf.
" 5	Approves plans of timber-booms for Parker-Lamb Timber Company on Umangawha River.
" 5	Licenses Parker-Lamb Timber Company to occupy foreshore, Umangawha River, as site for booms.
" 5	Provides for registry and licensing of fishing-boats at Chatham Islands.
" 5	Prescribes close season for oysters for two years at Nelson.
" 13	Approves plans of shop for Halliwell Bros. on foreshore at Kohukohu.
" 13	Licenses Halliwell Bros. to occupy foreshore at Kohukohu as site for shop.
" 19	Makes special order authorizing Invercargill Borough Council to construct certain reclamation in New River Harbour, and approves plan M.D. 3736 in lieu of M.D. 3531.
" 19	Approves plan of extension of wharf at Graham's Beach, Manukau, for Awhitu Road Board, and licenses Board to occupy necessary foreshore.
" 19	Approves plan of Hobson County Council's wharf at Tangaihi.
" 19	Licenses Hobson County Council to occupy foreshore at Tangaihi as site for wharf.
" 19	Approves plans of wharf for Turanga Road Board on Turanga Creek.
" 19	Licenses Turanga Road Board to occupy foreshore, Turanga Creek, as site for wharf, and prescribes dues for said wharf.
" 19	Revokes Order in Council licensing J. E. Sheaver to occupy foreshore, Doubtless Bay, as site for shed.
" 19	Amends regulations for protection of life and property on vessels.
" 19	Makes regulations re taking of whitebait in Westland and Taranaki.
" 26	Approves plans of Timaru Harbour Board's wharf for fishermen.
" 26	Approves plans of sheet-piling for Heathcote County Council on Avon River, and authorizes carrying out of work.
" 26	Makes regulations re passage of fish up rivers in Taranaki Acclimatization District.
" 30	Alters regulations for trout and perch fishing in Wellington Acclimatization District.
Oct. 10	Approves plans of timber-booms for Kauri Timber Company on Whenuakite River.
" 10	Licenses Kauri Timber Company to occupy foreshore on Whenuakite River as site for booms.
" 18	Appoints members of Greymouth Harbour Board.
" 18	Approves of Westport Harbour Board expending £750 on additions to sidings at Westport Station.
" 25	Approves plans of Otago Harbour Board's jetty at Ross Point.
" 25	Approves plans of Hokianga County Council's wharf at Motukaraka.
" 25	Licenses Hokianga County Council to occupy foreshore at Motukaraka as site for wharf, and prescribes dues for same.
Nov. 3	Approves plans of wharf at Lemon Point, Kawhia Harbour.
" 3	Approves plans of extension of Broad Bay Jetty for Otago Harbour Board.
" 22	Approves of Westport Harbour Board expending £200 on extension of railway goods-shed.
" 22	Revokes Order in Council licensing Picton Borough Council to occupy foreshore at Picton as site for baths.
" 22	Approves of plans for baths for Picton Borough Council.
" 22	Licenses Picton Borough Council to occupy foreshore at Picton as site for baths.
" 22	Approves plans of staging from Jervois Quay to Taranaki Street Wharf for Wellington Harbour Board.
" 22	Approves plans of wharf for Auckland Harbour Board at Waipareira, Upper Auckland Harbour.
Dec. 12	Approves plans of reclamation for Bluff Harbour Board.
" 12	Approves plans of addition to Upper Albany Wharf for Auckland Harbour Board.
" 12	Vests management of Bickerstaffe Wharf, Kaipara, in Otamatea County Council, and prescribes dues for same.
" 12	Approves plan of jetty for Union Steamship Company at Port Chalmers, Otago Harbour.
" 12	Approves plans of jetty for W. D. Meiklejohn at Rangitoto Island, Auckland.
" 12	Licenses W. D. Meiklejohn to occupy foreshore at Rangitoto as site for jetty.
" 12	Approves plans of Hataitai Bathing Club's shed at Evans Bay.
" 12	Approves plan of launch-landing for Kawhia County Council at Te Maika.
" 12	Approves plan of launch-landing for Kawhia County Council at Oparau.
" 12	Approves plan of launch-landing and shed for Kawhia County Council at Kiwi Bay.
" 27	Approves plans of training-piles at Holmes Wharf, Oamaru, for Oamaru Harbour Board.
" 27	Approves plans of wharf for J. Simpkin at Mangekuri, Wairoa River.
" 27	Licenses J. Simpkin to occupy foreshore at Mangekuri as site for wharf.
" 27	Approves plan of timber-booms for D. Goldie and Sons at Whananaki Harbour.
" 27	Licenses D. Goldie and Sons to occupy foreshore at Whananaki Harbour as site for booms.
" 27	Approves plans of boat-shed and slip for H. Paterson at Purakanui.
" 27	Licenses H. Paterson to occupy foreshore at Purakanui as site for boat shed and slip.
" 27	Revokes dues and rates for use of county wharves at Horeke, Kohukohu, Rawene, and Motukaraka, and prescribes other dues and rates in lieu thereof.
" 27	Authorizes Westport Harbour Board to expend £125 on drilling-machine for Railway Workshops.
1912.	
Jan. 4	Alters regulations re trout and perch fishing in Auckland Acclimatization District.
" 4	Approves plans of vehicular landing and extension of wharf at Northcote for Auckland Harbour Board.
" 15	Approves plans of alterations to No. 7 Jetty for Lyttelton Harbour Board.
" 15	Approves plans of extension of jetty at Patent Slip, Evans Bay, for Wellington Harbour Board.
" 15	Approves plans of fixed ferry for Thames County Council over Waihou River at Cryer's landing, and authorizes construction of same.
" 15	Prescribes dues and rates for wharf at Terakohe, Golden Bay.
Feb. 13	Appoints members of Westport Harbour Board.
" 13	Approves of Westport Harbour Board expending £60 on shelter-shed or verandah near railway goods-shed at Westport.
" 13	Approves plans of fixed ferry for Thames County Council over Waihou River at Puriri, and authorizes construction of same.
" 13	Approves plans of extension of Ricketts Bros.' wharf at Collingwood.
" 13	Approves plans of wharf for Auckland Harbour Board at Pipimea Head, Kohimarama.
" 13	Approves plans of outfall drain from septic tank at Kaiwarra for Wellington City Council.
" 13	Licenses Northern Steamship Company to occupy foreshore at Manukau Harbour as site for slip and dolphins.
" 13	Approves plans of wharf for T. Clotworthy at Mariekura, Kaipara.
" 13	Licenses T. Clotworthy to occupy foreshore at Mariekura, Kaipara, as site for wharf.
" 13	Approves plans of jetty and fish-shed for T. A. Double at Half-moon Bay.

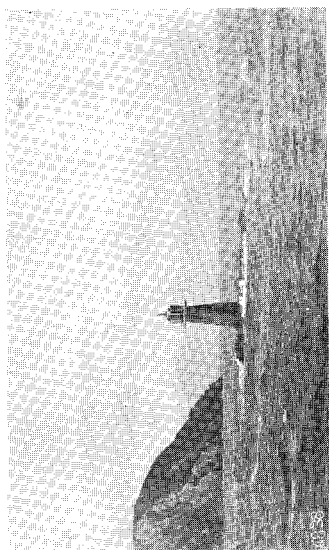
RETURN showing the ORDERS IN COUNCIL issued, &c.—*continued*.

Date of Order.	Purpose of Order.
1912.	
Feb. 13	Licenses T. A. Double to occupy foreshore at Half-moon Bay as site for jetty and fish-shed.
" 13	Approves plans of wharf for Waitemata County Council at Taiotea, Takapuna, Auckland.
" 13	Licenses Waitemata County Council to occupy foreshore at Taiotea, Takapuna, as site for wharf.
" 13	Approves plans of boat shed and slip for F. Pheasant at Matakoho.
" 13	Licenses F. Pheasant to occupy foreshore at Matakoho as site for boat shed and slip.
" 13	Licenses J. R. Thomson, W. Traill, and J. W. Squires to occupy foreshore at Half-moon Bay, Paterson's Inlet, and Golden Bay as site for fish-sheds.
" 13	Revokes Order in Council licensing Walker and Mason to occupy foreshore, Whirinaki River, as site for booms.
" 13	Restricts fishing in Victoria Valley, Toatoa River, and Lake Ngatau, Mangonui and Whangaroa Acclimatization District.
" 13	Licenses Opunake Wharf Company to occupy foreshore at Opunake as site for wharf and sheds, and prescribes dues and rates for wharf.
" 13	Approves plans of booms for A. F. H. Smith on Te Pungapunga Creek, Coromandel County.
" 13	Licenses A. F. H. Smith to occupy foreshore on Te Pungapunga Creek, Coromandel County, as site for booms.
" 14	Makes special order authorizing Auckland Harbour Board to reclaim land in Mechanic's Bay, and approves plan M.D. 3791.
" 14	Fixes lighthouse dues for Port of Whangaparapara, Great Barrier Island.
" 26	Approves plans of wharf for J. Drake and J. J. Abernethy on Waikouaiti River.
" 26	Licenses J. Drake and J. J. Abernethy to occupy foreshore, Waikouaiti River, as site for wharf.
" 26	Extends trout-netting season in Lake Hawea.
March 7	Revokes Order in Council of 4th January, 1912, prohibiting fishing in Waihou River, Auckland Acclimatization District.
" 7	Vests management of Russell Wharf in Bay of Islands County Council, and prescribes dues for wharf.
" 7	Approves plans of Wellington Patent Slip Company's moorings in Evans Bay, Wellington Harbour.
" 7	Approves plans of Auckland City Council's swimming-baths at Shelly Beach, Auckland Harbour.
" 7	Approves plans of Whangarei Rowing Club's boat-shed at Whangarei.
" 7	Licenses Whangarei Rowing Club to occupy foreshore at Whangarei as site for boat-shed.
" 7	Amends regulations under the Fisheries Act <i>re</i> size of blue cod.
" 7	Makes additional regulations for trout-fishing in Canterbury Acclimatization District.
" 22	Approves plans of bridge to be constructed by Onehunga Borough Council and Mangere Road Board over part of Manukau Harbour, and authorizes construction of bridge.
" 22	Approves plans of bridge over Big Omaha Creek for Matakana West Road Board, and authorizes Board to occupy necessary foreshore for same.
" 22	Approves plans of Northern Steamship Company's jetty at Gray's landing, Waiheke.
" 22	Licenses Northern Steamship Company to occupy foreshore at Gray's landing, Waiheke, as site for jetty.

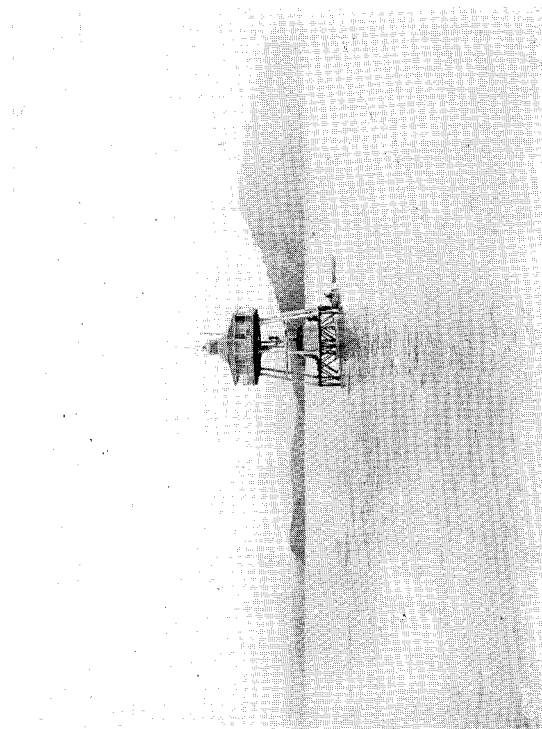
Approximate Cost of Paper.—Preparation, not given; printing (1,900 copies, including illustrations and map), £103.

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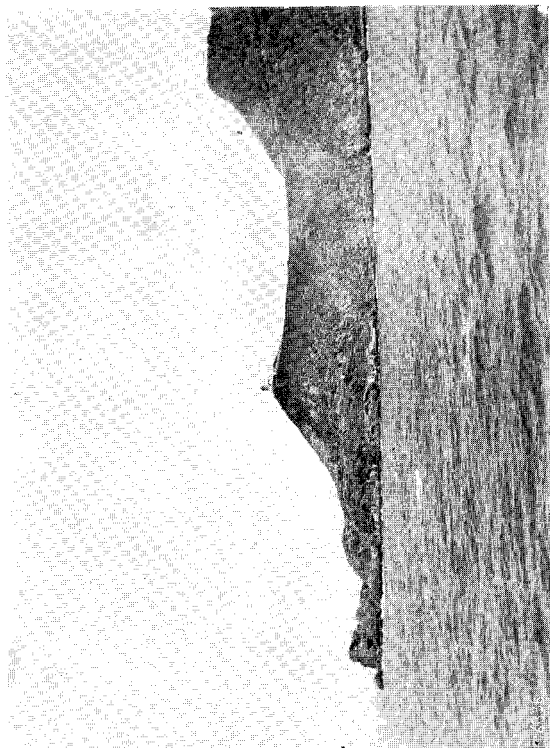
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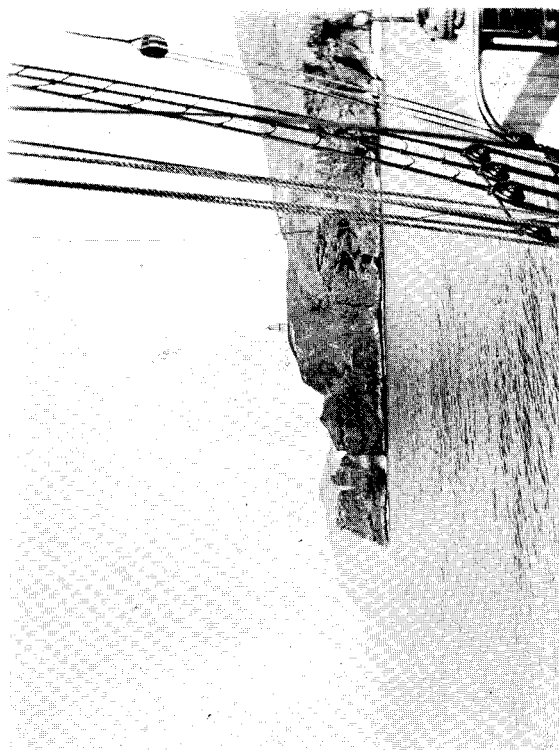
JACKSON'S HEAD BEACON.



POINT PASSAGE LIGHTHOUSE.



NUGGET POINT LIGHTHOUSE.



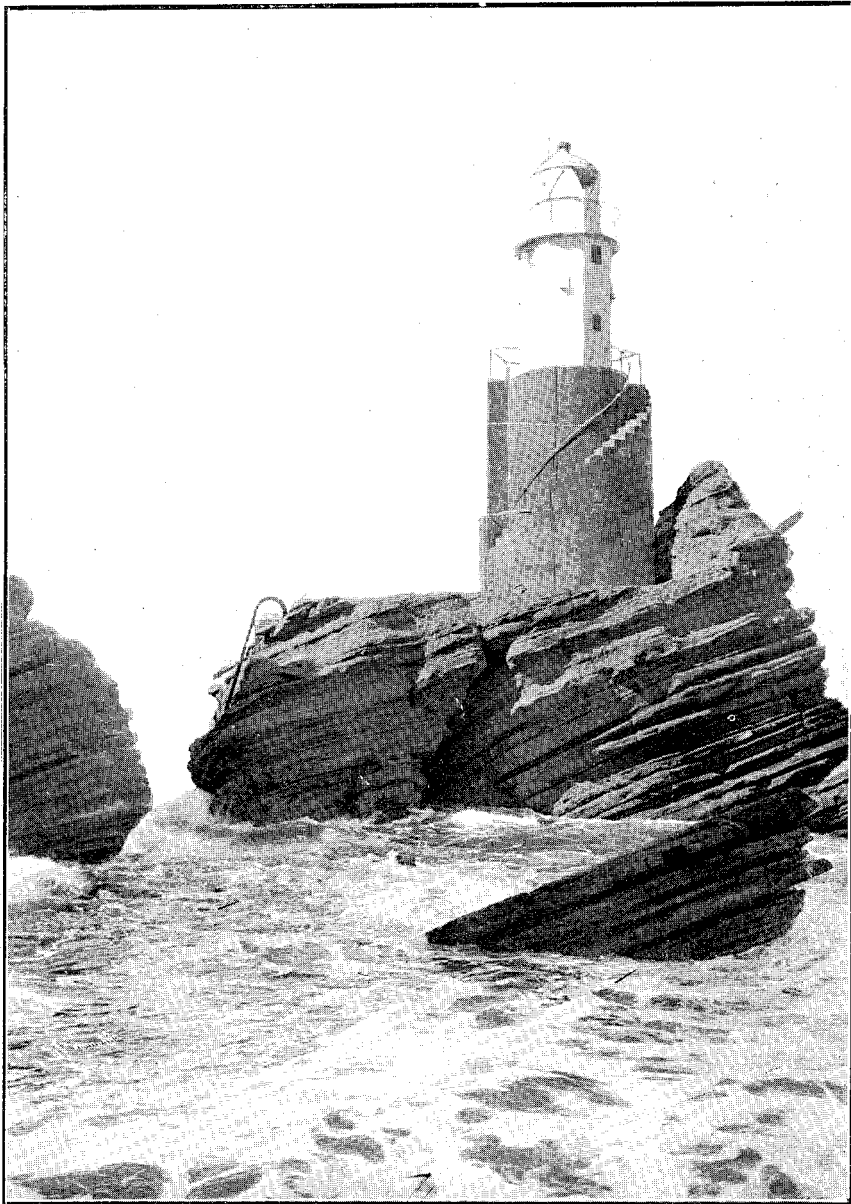
CAPE SAUNDERS LIGHTHOUSE.



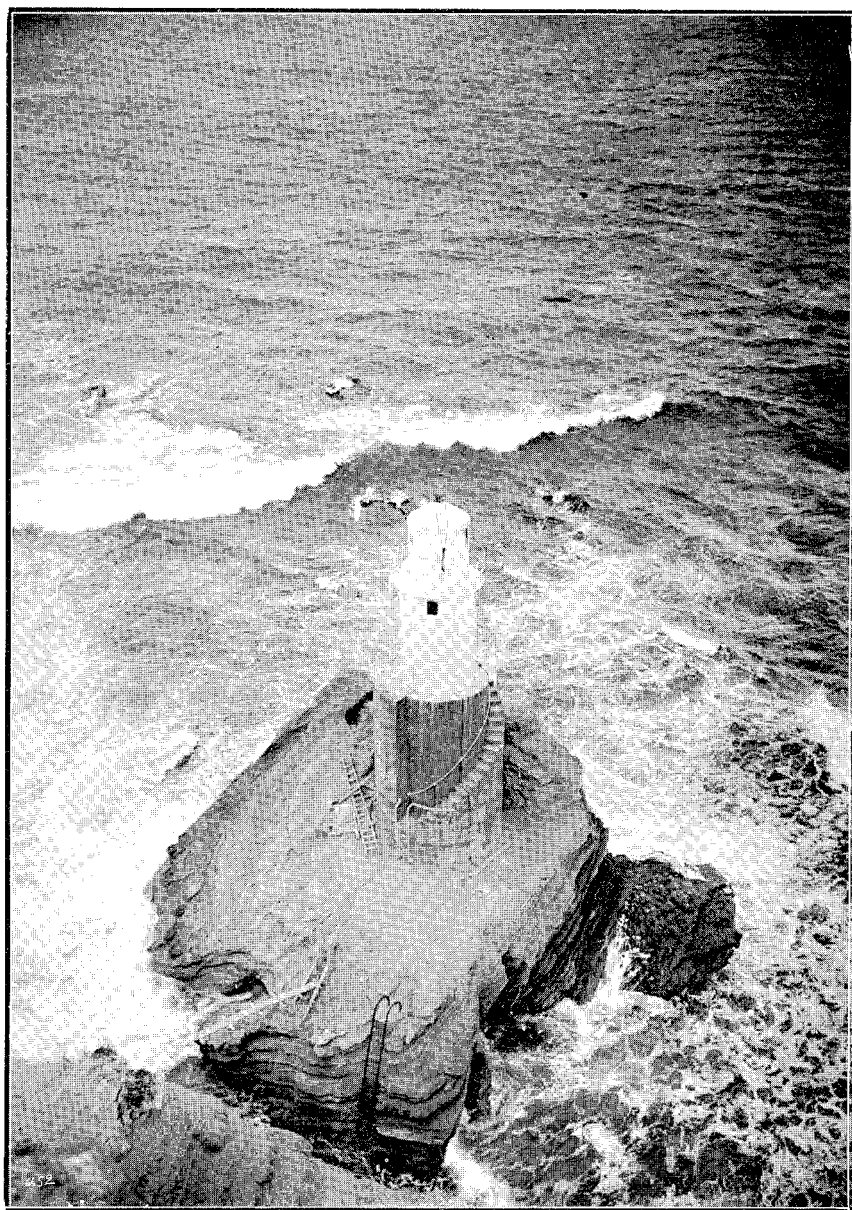
TIRITIRI LIGHTHOUSE AND BUILDINGS.



CUVIER ISLAND LIGHTHOUSE.



TUAMNE LIGHTHOUSE, GISBORNE.



TUAHINE LIGHTHOUSE, GISBORNE.

NEW ZEALAND WRECK CHART.

1st APRIL, 1911, to 31st MARCH, 1912.

Compiled from Official Records
in the
MARINE DEPARTMENT.

SYMBOLS.

STRANDINGS.

- X ————— Signifies a total loss.
X ————— Signifies a partial loss.

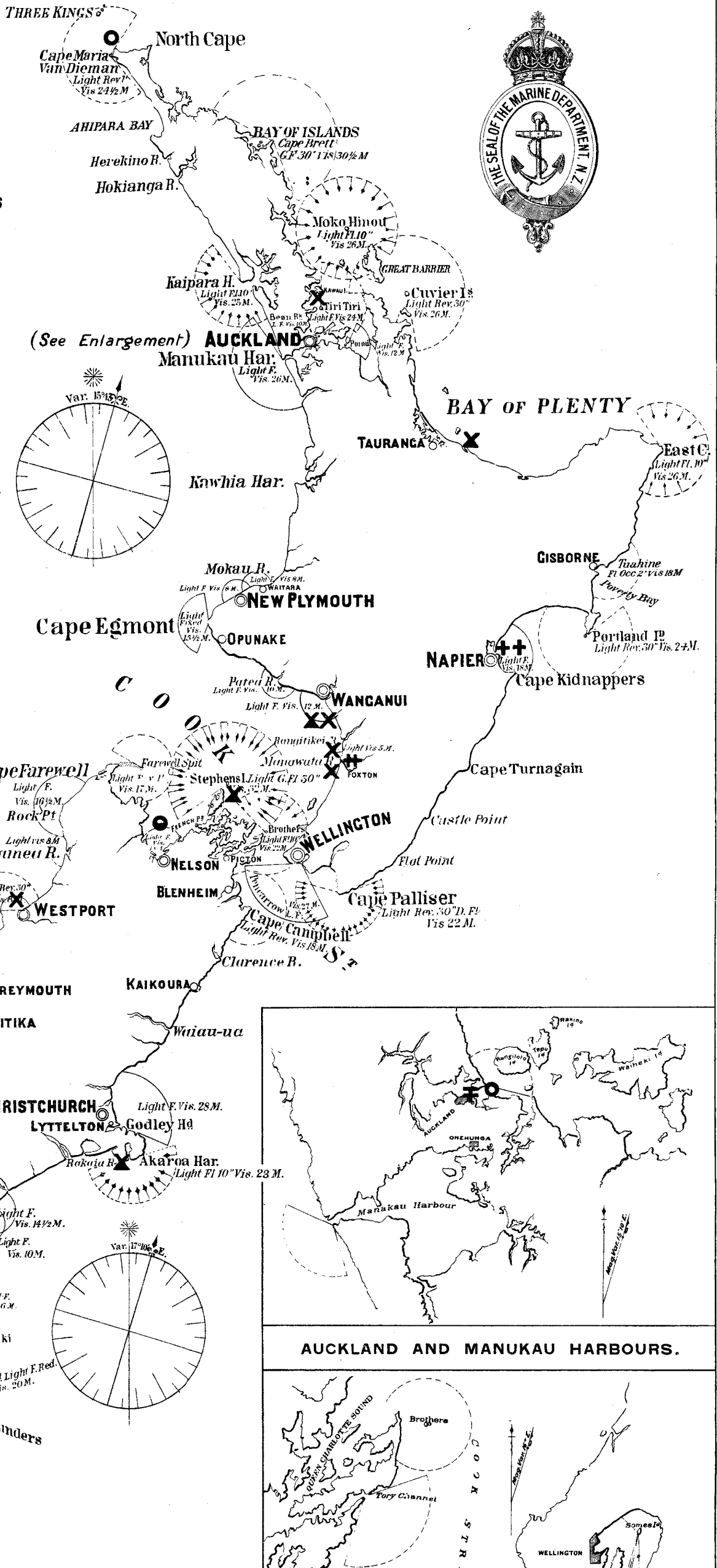
COLLISIONS.

- ++ ————— Signifies a collision between two steamers,
with partial loss.

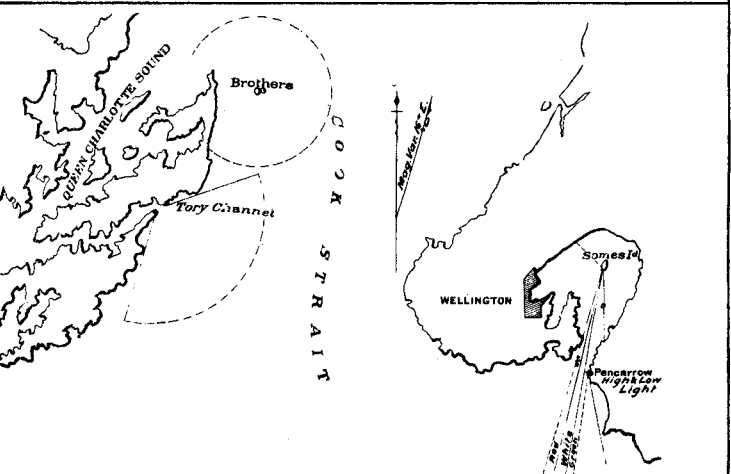
OTHER CASUALTIES.

- ————— Signifies partial loss of a sailing-vessel.
○ ————— Signifies total loss of a sailing-vessel.
+ ————— Signifies partial loss of a steam-vessel.
+ ————— Signifies total loss of a steam vessel.

NOTE.—Casualties resulting in slight damage are not shown on this Chart.



AUCKLAND AND MANUKAU HARBOURS.



PORTION OF
COOK STRAIT AND WELLINGTON HARBOUR.

Statute Miles.

Nautical Miles.

SNARES

