1913. NEW ZEALAND.

MARINE DEPARTMENT:

ANNUAL REPORT FOR 1912-13.

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

My Lord,---

Marine Department, Wellington, 14th August, 1913.

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.,

F. M. B. FISHER.

His Excellency the Right Hon. the Earl of Liverpool, K.C.M.G., M.V.O., Governor of New Zealand.

Sir,—

Marine Department, Wellington, 26th May, 1913.

I have the honour to make the following report on the work of this Department during the year ended the 31st March last:—

Shipping and Seamen Amendment Act, 1912.

This Act has been assented to by His Majesty the King, and came into force on the 1st instant. It embodies provisions of the Imperial Maritime Conventions Act which made alterations in the law regarding liability in cases of collision and as to salvage. It also makes certain amendments in the New Zealand Shipping and Seamen Act, 1908, which authorize the Secretary of the Department to permit a home-trade ship to make a voyage without a certificated second mate on his being satisfied that one cannot be obtained without unduly detaining the ship. It also provides that a sick seaman belonging to a foreign-going ship trading beyond intercolonial limits shall not be discharged until it is known that he is not well enough to rejoin the ship before she leaves the Dominion, and makes better provision for the exercise of the crews of intercolonial and home-trade ships in boat drill.

Harbours Amendment Act, 1912.

This Act was passed to remedy certain defects in the law as regards the election of members of Harbour Boards in view of the biennial elections taking place in April, 1913. Several other amendments in the law relating to harbours are necessary, but there was not time to deal with these last session, and it is proposed to introduce another amending Bill during the coming session.

1—H. 15.

Mercantile Marine Officers.

The duties connected with these officers have been performed very satisfactorily, and the Superintendents and their assistants are to be commended for the skill and tact with which they have carried out their important and increasing duties.

A return which is appended shows the number of seamen engaged and discharged at the different ports, and the amounts of fees received for the engagements and discharges. The number of men engaged was 20,554, and the number discharged 20,378. The amount of fees received was £2,801 17s. In the previous year the engagements were 21,123, the discharges 19,749, and the fees received £2,891 7s. The transactions at the four principal ports were as follows:

•		E	ngagements.	Discharges.	£	Fees.	d.
Auckland			5,611	5,692	77		0
${f We'llington}$			6,930	7,152	93	2 12	0
Lyttelton			2,152	1,936	2 9	6 0	6
Dunedin and Po	ort Chalmers		2,879	3,021	43	7 13	0
During the previous year	they were as	follows:-					
Auckland			6,305	6,191	87	0 1	6
Wellington			6,520	6,623	8 9	1 1	6
Lyttelton			2,311	1,929	31	7 19	6
Dunedin and Po	ort Chalmers		3,081	2,648	39	9 18	6

The Shipping and Seamen Amendment Act, 1909, empowers the Minister to withhold the certificates of discharge of seamen who desert from or fail to join their ships at the time of sailing for such time as he sees fit, and during the time they are withheld the men cannot ship This power is being exercised with salutary effect, and fewer men are absent in other vessels. at the time fixed for vessels to sail.

The Shipping and Seamen Amendment Act, 1911, empowers a Superintendent to accept an approved security for a sick seaman's wages, maintenance, and medical expenses, instead of a deposit being made in eash, and the practice of accepting such security is working well. It saves a shipowner having to pay the money before it is required, and of having to deposit more than it may be found on the man's recovery is wanted.

A vacancy in the Dunedin office has been filled by the appointment of Mr. H. F. Tomlinson, chief officer of the s.s. "Hinemoa," and one in the Wellington office by the appointment of Mr. W. Whiteford, chief officer of the s.s. "Tutanekai."

P. G. Moffatt has been appointment of Mercantile Marine at Motueka to enable

seamen to be discharged before him.

Proceedings in connection with seamen were taken by the Department in connection with Proceedings in connection with seamen were taken by the Department in connection with the following cases with the results stated, viz.: The master of the scow "May," for carrying a seaman without entering into an agreement with him, fined £1 and costs; J. Hartley, Union Company's providore at Auckland, for transferring a steward from one ship to another without his being discharged from ship he was leaving, convicted and ordered to pay costs; P. Banfield, for making a false declaration that he was entitled to ship, fined £2 and costs; P. Lemon, for altering his discharge, sentenced to three months' imprisonment; J. H. Reed, for making a false declaration that he was entitled to ship, sentenced to six weeks' imprisonment. T. Cower false declaration that he was entitled to ship, sentenced to six weeks' imprisonment; J. Cowan, master of s.s. "Himitangi," for not keeping a sailor on deck when at anchor in a harbour, fined 10s. and costs.

Masters, Mates, and Engineers.

The examination of candidates has been carried out satisfactorily at the various examination ports. 422 candidates have passed and 151 failed. Of those who passed, 241 were masters, mates, and engineers of seagoing ships, 54 were masters and engineers of steamships plying within restricted limits, 9 were masters of fishing-boats and of cargo-vessels up to 25 tons register, 13 were engineers of seagoing ships propelled by oil-engines or other mechanical power than steam, and 105 were engineers of similar vessels plying within restricted limits. Under the provisions of the Shipping and Seamen Amendment Act, 1909, two certificates of service as master of oilengine boats up to 6 tons register, and two as engineer of such vessels, were issued during the year. These with the certificates issued during the previous year make the numbers granted 792 as master and 772 as engineer. There will, however, be no more, as the time within which they can be given has expired.

The following persons have been prosecuted by the Department for offences connected with certificates, viz.: W. Taupo, owner of launch, for running the boat without certificated master or engineer, fined £1 and costs; T. Wahanga, for similar offence, fined 10s. and costs; H. McCormick, for similar offence, fined £1 and costs.

The report of the Chief Examiner of Masters and Mates is appended.

Registration of Shipping.

Returns are appended showing the vessels registered in New Zealand on the 31st December last, and the number of seamen and boys employed on them. These show that on that date there were 242 sailing-ships of 34,308 registered tonnage, and 374 steamships of 121,772 tons register, as against 244 sailing-ships of 35,651 tons register, and 361 steamships of 114,973 tons register on the 31st December, 1911. The number of scamen and bovs employed on board at the end of 1912 was 4,983, as compared with 5,268 at the end of the previous year.

Survey of Ships.

During the year certificates were issued after survey to 337 steamers, 537 oil-engine vessels, and 119 sailing-vessels, as compared with 252 steamers, 166 oil-engine vessels, and 89 sailingvessels during the previous year.

The following limits have been defined to be river and extended river limits:-

Great Barrier Island: River limits for Port Abercrombie and Port Fitzroy to be inside a right line drawn from the outermost point of Green Island to Wellington Heads, thence to False Head; and for Port Tryphena inside a right line drawn from the outermost point of the easternmost head to the outermost point of the north-western head. The extended river limits for the island are within a radius of three nautical miles from it.

Mokau: River limits, inside the bar.

Tairua: River limits, inside Paku Head; and extended river limits, inside a line drawn from mainland immediately to eastward of most south-eastern points of Rabbit Island, thence to north-western point of Slipper Island, thence to most north-eastern point of Shoe Island, and thence westward to the mainland.

Opotiki: River limits, inside the bar; extended river limits, three miles outside the

Porirua: Ohau, extended river limits for fishing-vessels, between Porirua Harbour and Ohau River.

Timaru: River limits, inside breakwater; extended river limits, within a radius of three miles from outer end of southern breakwater, and extended river limits for fishing-vessels within a radius of twenty miles from breakwater.

Otago: Extended river limits for fishing-vessels, within a radius of thirty miles from

Taiaroa Head Lighthouse.

The following fire-extinguishing appliances have been approved for use on motor-boats, viz.: "Kyl Fyre," "Vanguard," and "Pyrene."

Proceedings have been taken by the Department for the following breaches of the law in connection with survey certificates, viz.: I. Fletcher, master of scow "Magic," for carrying passengers without a passenger certificate, fined £1 and costs; H. S. Beer, for running his oil-launch beyond prescribed limits, fined £3 and costs; C. A. Spencer, master of s.s. "Minerva," for carrying more passengers than allowed by vessel's certificate, fined £1 7s. and costs; T. W. Hamilton, master of the s.s. "Ngapuhu," for carrying more passengers than allowed by his certificate, fined £5 and costs; W. Walker, for running his launch for hire without a survey certificate, fined £2 and costs; W. McNeil, for running his launch without life-saving appliances, convicted but no fine imposed.

Deck Cargo Regulations.

The regulations have been amended to provide that the decks on which cargo may be carried are the main deck and the working-deck, provided the latter is the next deck above the main deck.

J. Broadhouse, master of the s.s. "Breeze," has been fined £1 and costs for not notifying the Superintendent of the shipment of deck cargo.

Wireless Telegraphy on Ships.

Section 50 of the Shipping and Seamen Amendment Act, 1909, provides that the Governor in Council may make regulations requiring ships registered in New Zealand and carrying passengers to be provided with apparatus for transmitting messages by means of wireless telegraphy, and the necessary regulations are now being prepared.

Deceased Seamen's Estates.

The estates of thirty-three deceased seamen have been dealt with during the year. amount received on account of them was £406 7s. 3d., and the amount paid to relatives and other claimants was £338 17s. 10d. The sum of £49 17s. 10d., which had remained unclaimed for over six years, was paid into the Public Account. Particulars of the estates are given in the appended return.

Wrecks and Casualties.

During the year ninety-four inquiries into casualties to ships were held, eighty-six of them being preliminary and eight Magisterial inquiries. Tables showing the casualties reported and an analysis thereof are appended. Those on or near the coasts of New Zealand numbered 103, representing 45,001 tons register, as compared with 105, of 46,815 tons, in the previous year. The number of lives lost was thirty-three, as compared with two in the previous year. Included in the lives lost are twenty-five, being the master, officers, and crew of the dredge "Manchester," which left Wellington for Sydney, N.S.W., on the 6th April, 1912, and which has not since been heard of.

Coastal Surveys and Dangers.

Whilst the Antarctic ship "Terra Nova" was in New Zealand last year the Department arranged with Lieutenant Pennell, R.N., who was in charge of her, to make a survey of the coast between the French Pass and Jackson's Head; but want of time prevented the whole of the work being carried out. A very complete survey was, however, made in the vicinity of the French Pass and Admiralty Bay, a chart of which has been sent to the Hydrographer to the Admiralty in order that the results may be shown on the Admiralty charts. Two oil-launches were chartered by the Department, one of which was used by Lieutenant Pennell and the other by Lieutenant Renwick, R.N., of the "Terra Nova," who was associated with him in the work.

The s.s. "Hinemoa" took soundings at Mercury Bay in connection with the erection of leading-beacons, off the Western King, in connection with the proposal to moor a lightship there, and at Tauranga in connection with laying buoys. She also searched unsuccessfully for a rock reported off Clay Point.

Nautical Publications.

The Nautical Almanac for 1913 was issued in November last, and the large number of copies sold proves the value and popularity of the work. A large number of the A B C Azimuth Tables prepared by Captain Blackburne and issued by the Department have also been sold, as well as a very large number of Admiralty charts. These charts are imported by the Department and are kept for sale at Mercantile Marine Offices at a little over cost-price.

Notices to Mariners.

Appended is a return of the Notices to Mariners affecting the Dominion which have been issued by the Department during the year and distributed throughout New Zealand, to the Australian Marine authorities, the Admiralty, and foreign hydrographic offices. In addition to these notices a large number received from Great Britain, the United States, and Australia have been issued for the information of mariners.

Meteorological and Weather Office.

During the year the number of forecast-stations has been more than doubled, and wireless weather reports have been obtained from vessels, but they have not come up to expectations, mainly owing to the ships not being generally equipped with standard instruments. The wireless reports received from Macquarie Island have, however, proved of value in connection with forecasting the weather.

The new observatory erected on the Thorndon Esplanade, Wellington, was opened by the

Minister of Marine on the 6th June last.

The Public Works Department is supplying a number of rain-gauges which it is distributing to places from which it desires to obtain rainfall records, and arrangements have been made that these records are to be supplied to the Meteorological Office.

I attach a report by the Rev. Mr. Bates, the Director of the Meteorological Office.

Government Steamers.

The "Hinemoa" has carried out her usual work of attending to the lighthouses, buoys, and beacons under the control of the Department, and has performed the work very satisfactorily. She also made a special trip to Nelson with mental-asylum patients. She is now thirtyseven years old, and has been nearly all the time in use. Although she has been kept in a good state of repair, she cannot be expected to last much longer. In fact, it would not be advisable now to send her to the Southern Islands, where very bad weather is sometimes met with. It would, in my opinion, be advisable to take a vote during the coming session for part of the cost of a new steamer, so that tenders may be invited and a contract for building one may be entered into. A steamer should be designed specially for lighthouse and buoy work, with separate quarters for lightkeepers, but not much other passenger accommodation, and she should have good cargo-carrying capacity.

For some time past it has been the practice to engage seamen for the "Hinemoa" at the four principal ports only, but it has been found impossible to get sufficient suitable men who are accustomed to boating at those ports. As the vessel has so much boating to do in connection with landing oil and stores at lighthouses, there is great danger of loss of life if the seamen are not men experienced in this work, and as men with the necessary experience can often be got at the smaller ports when not obtainable at the large ports, it has been decided that the master may in future obtain the most suitable men at any port at which he can get them.

The Department has made a two-years agreement with the Seamen's Union, similar to the agreement which the Union has with the principal shipowners, as to the rate of wages, overtime, &c., of the crews of the s.s. "Hinemoa," "Tutanekai," and "Amokura." Under this agreement the hours of labour in port are to be eight hours a day, and on the days of arrival and departure the sea watches are to count are part of the eight hours. As the vessels are deemed

departure the sea watches are to count are part of the eight hours. As the vessels are deemed to be in port when anchored off a lighthouse, the increase in the amount that has to be paid in overtime in the case of the "Hinemoa" is considerable.

During last winter the training-ship "Amokura" was, as usual, moored in Wellington Harbour, and in addition to undergoing the usual training on board the boys attended instruction classes at the Technical School. As soon as she has finished attending on the battleship "New Zealand" she will be moored in the harbour for the winter for the same purposes. The Technical School classes will in future be held in the building purchased by the Department on the Thorndon Esplanade, which, being near the ship, will be much more convenient and will avoid the necessity of the boys having to walk a considerable distance through the streets to school. In addition to her ordinary training cruises the ship has made trips to the Southern Islands and to the Kermadec Islands to search for castaways and to inspect the provision depots which are maintained on those islands for shipwrecked mariners. It is clear that shipowners recognize the value of the training the boys receive on the ship, as there is no difficulty in obtaining employment for them on other vessels as soon as they have completed their training. So far as can be

ascertained, most of them remain at sea.

As most of the work which the "Tutanekai" has to perform is in connection with telegraph-cable laying and repairing, she has been handed over to the Post and Telegraph Department.

Lighthouses.

The erection of the lighthouse at Castle Point has been completed, and the light was exhibited on the 12th January last. The light is a second-order group flashing white incandescent oil light, flashing at intervals of forty-five seconds with intervals of eight seconds between each group flash. The light is a very good one indeed, and is visible in clear weather at a distance of 19½ miles. A signal-station is maintained in connection with the light, and it is connected with the telegraph system of the Dominion.

An automatic acetone acetylene light has been erected on one of the Chickens Islands in the Hen and Chickens Group. It was exhibited on the 28th ultimo. It is 3,500 Heffner candle-power white light, flashing light for one-quarter second followed by three and one-twelfth second darkness, thus showing eighteen flashes a minute. It is 480 ft. above the sea, and is visible in clear weather at a distance of twenty-seven miles. A similar light of less power is being procured for erection on Channel Islet, near Cape Colville, and the work of making a track from the landing-place up to the site and of preparing the site is now being put in hand. A similar but more powerful light than that on the Chickens has been ordered for erection on Karori Rock, in Cook Strait.

Incandescent lights are now installed at sixteen lighthouses, the apparatus for two more is at the lighthouses ready to be installed as soon as the lighthouse expert is available, and apparatus for eight more is on the way out from England. These installations, besides giving a much better

light than the oil-burners, soon pay for themselves by the saving in the oil used.

An automatic acetone acetylene light has been installed in the Bean Rock Lighthouse in place of the watched oil light, and the lighthouse has been handed over to the Auckland Harbour

Board, which is now maintaining it.

During the year I have inspected the lighthouses at Godley Head, Akaroa Head, Moeraki, Taiaroa Head, Cape Saunders, Waipapapa Point, Dog Island, Centre Island, Anglem Point, Puysegur Point, Cape Foulwind, Farewell Spit, Stephens Island, Brothers, Castle Point, Portland Island, East Cape, Cuvier Island, Ponui Passage, Tiritiri, Mokohinou, Cape Brett, Cape Maria van Diemen, and Kaipara Head, and Captain Bollons, of the s.s. "Hinemoa," has made inspections on the vessel's periodical trips round with stores and oil. I found the stations well kept and the keepers carrying out their duties satisfactorily.

One Principal Keeper retired on superannuation during the year, and nine assistants resigned. One was transferred to another lighthouse owing to the installation of an automatic light in the lighthouse where he was stationed. Twelve new appointments were made to fill the

vacancies and to provide keepers for the new lighthouse at Castle Point.

New contracts have been let for carrying the mails between Auckland, Cuvier Island, and

Mokohinou, and between the French Pass and Stephens Island.

Permission has been granted to the Postal Department to erect a lineman's cottage on the

lighthouse reserve at Puysegur Point.

The lighthouses are now supplied with Morse lamps and flags to enable messages to be given to and received from passing vessels, and a Notice to Mariners has been issued stating that such messages can be received and despatched. On request being made to the keepers by signal from vessels, messages are wired to their destination by collect telegram from lighthouses which are connected by telephone. In order that the keepers may get proper practice in making signals it has been decided to supply each station with a second signal lamp so that they may practice at giving and receiving messages.

The following works have been carried out at lighthouses :-Manukau North Head: A new road has been made. Bean Rock: An automatic light has been installed.

Ponui Passage: Repairs to the tower have been carried out.

Cuvier Island: A new fence has been erected.

East Cape: Coppers have been put in the washhouses.

Kaipara Head: The cart-shed has been shifted. Cape Campbell: The road has been improved. Akaroa Head: Fences have been erected.

Moeraki: The assistant keeper's house has been reroofed and the stable and eart-shed rebuilt.

Taiaroa Head: The floors of the dwellings have been renewed.

Nelson: The assistant keeper's house has been repaired. Waipapapa Point: The garden fences have been renewed

The amount of light dues collected during the year was £41,406.7s. 4d., as compared with £38,232 0s. 11d. during the previous year.

Fog-signals.

The explosive fog-signals at Pencarrow Head, Godley Head, and Cuvier Island have been properly maintained, and have been of considerable value to ships. Falling pieces of rock have damaged the track which goes down the cliff to the signal at Godley Head, and as rock frequently falls on the road, making it dangerous for the men to go down to work the signal, it is proposed to make a new road down at a place where rock cannot fall on to it.

Repairs have been made to the signals at Pencarrow Head and Taiaroa Head.

Harbours.

The s.s. "Hinemoa" has continued to overhaul and paint the buoys and beacons in the harbours under the control of the Department, and they are all in good order. New leading-beacons have been erected at Mcrcury Bay. The erection of the acetylene light at Shelly Beach, in Kaipara Harbour, has been completed, but there has since been a good deal of trouble with it, and it is not yet working satisfactorily. Steps are being taken to erect a beacon at Beacon Reach, on the Wairoa River, Kaipara, and it is intended to put a light on it.

During the time the Kauri Timber Company held a license to occupy a site for its sawmill at Kohukohu it reclaimed a piece of foreshore by the deposit of slabs and sawdust. It has now moved its mill, and as its license has expired the reclaimed land belongs to this Department. The breastwork round it is decaying and needs renewing, and as the land is valuable it is advisable that a new breastwork should be constructed and that the land should then be cut up and leased. There is also a wharf abutting on the reclamation which it would pay the Department to repair and lease.

The timber breastwork which the Department constructed on the up-river side of the Kohukohu public wharf has been completed, but it needs extending a little further up, and when this is done it will not cost much to reclaim the foreshore inside the wall. In fact, I think it could be cut up into sections and leased subject to the condition that the lessees should reclaim, as the

land would be valuable, being right in the business part of the township.

The Department has contributed half the cost of an automatic light which the Whangarei Harbour Board has erected at the entrance to Whangarei Harbour, as the light is of benefit to

small coastal vessels seeking shelter.

Blumine Island, at the entrance to Queen Charlotte Sound, was made a reserve for pilot and signal-station purposes many years ago, but as it is not likely to be required for those purposes this Department has consented to the request of the Lands Department that the purpose of the reserve should be changed to one for scenery-preservation.

reserve should be changed to one for scenery-preservation.

For many years past £50 per annum has been paid to the Takaka County Council for maintaining leading-lights at Waitapu. During the year the Council satisfied the Department that this sum was not sufficient to defray the cost, and the amount has therefore been increased to

£75 a year.

Mr. R. C. Honoré, who was paid £10 a year for acting as signalman at Marakopa, has resigned in consequence of leaving the district, and Mr. Willison has been appointed in his

place at the same salary.

Harbour Boards have been constituted by Act of Parliament for Tauranga and Opunake, and the Governor in Council has, under the provisions of the Counties Act, declared that the Mangonui County Council shall exercise the powers of a Board in Mangonui Harbour. These harbours, which have hitherto been administered by this Department, are therefore now under the control of the Boards.

The Governor in Council disallowed a by-law made by the Auckland Harbour Board which provided that questions relating to the Board's business could only be asked upon notice being

given not later than three days before any ordinary meeting of the Board.

The following prosecutions for offences in connection with harbours were instituted by the Department, viz.: W. Bedding, W. Hayward, and J. Morrall, for taking shingle from the foreshore near the mouth of the Waingongoro River without a license: the first two were each fined £3 and costs, and the last-mentioned £1 and costs. W. Fraser and J. Pelly, for taking gravel from the foreshore of Waiheke Island: a fine of £5 with costs was imposed in each case. R. H. Davis, for taking sand and shell from Takapuna beach: a fine of £5 with costs was imposed.

The sum of £1,786 17s. has been collected for pilotage and port charges in respect of harbours under the control of the Department, as compared with £1,946 17s. 10d. 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 licenses to occupy

foreshores is also appended.

Fisheries.

The rock-oyster beds in the Hauraki Gulf and the Bay of Islands were picked by the Department during last year's open season between the 1st May and the 31st October, and 7,728 sacks of oysters were taken and sold for £5,212. The cost of picking and selling, including interest and depreciation on the cost of the oil-launches used by the Inspectors of Fisheries in connection with the picking, was £4,065 2s. 10d., which left a net profit of £1,146 17s. 2d. Part of this profit was used in replanting areas on Rabbit and Long Islands, and at Kikowhakariri and Coromandel, which became depleted of oysters by overpicking before the Department took over the picking.

Of the 7,728 sacks of oysters picked, 756 were sold to persons in Russell, 6,836 to persons in Auckland, 199 in New Plymouth, 154 in Gisborne, 82 in Napier, 37 in Wellington, 28 in Hokitika, 17 in Greymouth, 11 in Westport, 4 in Patea, 2 in Wanganui, 1 in Waitara, and 1 in

Te Kopuru.

Last season we were able to meet the demand for oysters during the whole season, and from the appearance of the beds, which I went over when in the north in February last, I have no doubt that we shall be able to meet all demands for oysters this year. The manner in which the beds are looked after reflects great credit on the Inspectors for the Hauraki Gulf and the Bay of Islands, where the principal beds are situated.

Some of the beds in Hokianga Harbour have been set apart for the use of the Maoris, from

which they may take oysters for food at any time of the year.

A close season has been prescribed for two years for the oyster-beds between Albatross Point

and Urenui Stream.

The oyster-beds in Foveaux Strait yielded sufficient oysters last season to meet the demand. Of the quantity taken, 378,896 dozen, valued at £2,984, were exported to Australia, and 1,143,237 dozen, valued at £7,700, were disposed of in New Zealand. Experience has justified the action of the Department in altering the open season to be from the 1st March to the 31st October instead of from the 1st February to the 30th September.

H.—15.

The canning of the toheroa, a shell-fish, which is found in large quantities on the sandy beaches between Kaipara North Head and Mongonui Bluff, is becoming an important industry, and the question of leasing the right to take them on sections of the foreshores and of making a close season for the time the fish are out of condition at spawning-time is under consideration.

The report of the Chief Inspector, Mr. Ayson, which gives detailed information regarding

the fisheries, and a return of prosecutions for breaches of the law regarding fish, are appended.

Whating.

During the year a great many whaling-vessels, principally Norwegian, came to the Dominion for the purpose of whaling, but apparently they did not meet with the success expected, as most of them have left for other countries. During last session of Parliament an Act was passed to enable regulations to govern the industry to be made, and to grant licenses for the establishment of shore factories. The necessary regulations under the Act are now being prepared.

Seals.

The close season for seals has been extended until the 30th June, 1913.

The Governments of Great Britain, the United States, Japan, and Russia having entered into a Convention in regard to the killing, hunting, and taking of seals in the seas within such part of the Pacific Ocean as is north of the thirtieth parallel of north latitude, including the seas of Behring, Kamchatka, and Japan, the Imperial Parliament passed an Act in 1912 to enable effect to be given to the Convention. Section 3 of this Act provides penalties for using any port within the United Kingdom for fitting out ships for illegally taking seals in any prohibited area in the seas mentioned, and for the seizure of ships that are being fitted out for the purpose, and the seizure of the skins of seals illegally taken. The Act also provides that His Majesty may by Order in Council extend the provisions of sections 3 and 4 to Canada, Australia, New Zealand, South Africa, and Newfoundland, on the Governor in Council consenting to such extension being made. The Governor in Council has consented to the extension of the provisions referred to being made to New Zealand, and the Secretary of State for the Colonies has been notified of this.

Portobello Marine Fish-hatchery.

Mr. Anderton, curator of this hatchery, was sent to England last August to bring out a shipment of herring-ova and some live fish, lobsters, and crabs; the lobsters and crabs being to renew the breeding-stock at the hatchery, and during the time he was away his assistant, Mr. W. Adams, took charge of the hatchery. Mr. Anderton left England with 60,000 herring-ova, 300 live turbot, 43 lobsters, and 50 crabs, and he landed at Port Chalmers 200 turbot, 41 lobsters, and 43 crabs, which are doing well at the hatchery. Unfortunately, the attempt to introduce the herring was not successful, but this was through no fault of Mr. Anderton, who did all that could be done to ensure success. The failure of the attempt should not, in my opinion, deter the Department from making another attempt at some future time. opinion, deter the Department from making another attempt at some future time. 1 append a very full and interesting report by Mr. Anderton on the shipment.

Reports on the hatchery by Mr. G. M. Thomson, Chairman of the Board which manages

it, and by Mr. Anderton, curator, are appended.

Fishery Regulations.

The following alterations have been made in the Fishery Regulations during the year, viz.: Prescribing that whitebait-nets with an opening of not more than 8 square feet may be used in the Motueka and Moutere Rivers and in the rivers and streams in Hawke's Bay, such nets to be stiffened with wire hoops fixed on poles; prescribing the period from the 1st November in one year to the 31st August in the following year to be a close season for whitebait in the Waikato River and its tributaries; prescribing a three-years close season for oysters on the west coast of the North Island between Albatross Point and the mouth of the Uranui Stream; providing that licenses to net trout in the New River estuary shall be issued to bona fide fishermen only; and providing that it shall be illegal to take blue-cod of a less length than 10½ in. in the natural

state or not less than 9 in. when properly headed.

The Chief Inspector has been out in fishing-boats to obtain information as to the decrease or otherwise of blue-cod and as to the best way of preventing undersized fish being taken and destroyed. He is now preparing a report on the subject. The taking of kingfish by rod and line is becoming quite common sport in the north, many persons coming to the Dominion for the purpose. There have been unusually large shoals of maumau in the north during the past

summer, and fine catches have been made.

The following persons have been appointed Inspectors of Sea-fishing, viz.: F. J. Flinn, H. T. Leydon, J. M. Irwin, and three members of the Police Force.

Salmon.

It is now two years since the last shipment of Atlantic salmon-ova was obtained from England, and I think it is advisable that another shipment should be procured next season. fry from two shipments already made were liberated in Lake Te Anau for the purpose of stocking the Waiau River, but it is yet too soon for the fish to return from the sea, and therefore there is no evidence whether the attempt to introduce them has been successful. The only way to The only way to ensure success is to liberate the fry from several shipments of ova, as was done in the case of Last season 237,000 quinnat-ova were the quinnat salmon liberated in the Waitaki River.

H.—15.

collected in the tributaries of the Waitaki, of which 190,000 were hatched in the Hokitika River, 27,500 were sent to Tasmania, 12,000 were lost during hatching, and the fry from 7,500 were

kept in the ponds at the Hakataramea Station.

In December, 1901, the Department obtained a shipment of sockeye salmon-ova from Canada, and the fry from them were liberated in Lake Ohau. On the manager of the salmon-station at Hakataramea visiting this lake on the 29th March last he found, in a small spring creek which flows into the lake near the mouth of the Maitland Creek, between twenty and thirty spawning fish, which he identified as sockeye salmon, and the next day he found in a spring creek flowing into the Dobson River about thirty more of these fish. All the fish had finished spawning. They were covered with fungus, and were in a dying condition. They ranged in size from 8 in. to 10 in., and in weight from half to three-quarters of a pound. This is one of the most valuable of the salmon, and it is very satisfactory to find that the attempt to introduce it into the Dominion has been successful.

Marine Engineer.

The report of Mr. R. W. Holmes, Marine Engineer, on matters dealt with during the year is I have, &c., appended.

The Hon. 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, 13th May, 1913.

Str.-I have the honour to submit my annual report on the examination of masters and mates in New Zealand for the year ended on 31st March last. The work, as usual, has been carried out by the Examiners at the four principal ports in a satisfactory manner. I visited the Lyttelton and Dunedin examination-rooms during the year and found everything in very satisfactory order. There has been only a slight increase during the last twelve months in the number of candidates who have presented themselves for examination for masters and mates, and there was a very marked falling-off in the number of applicants after January of this year, when some new and more difficult forms of questions in connection with the problems given in the chart examination-work were brought in for the first time. There has, however, been an increase this year of 26 per cent. in the number of successful passes. The candidates in all grades have done better this year, and instead of 50 per cent. of failures in the whole number of examinations, as was the case in the previous year, this year the failures were only 40\frac{3}{4} per cent. on the whole, and $51\frac{1}{2}$ per cent. for the foreign-going candidates against $64\frac{1}{2}$ per cent. of the previous year. The few foreign-going candidates who have gone up since the beginning of this year have managed the new chart-work problems very well.

One candidate only presented himself for examination for extra master and failed. majority of candidates now voluntarily take the higher standard of form-vision, which will come into force for all candidates when passing their first examination after the 1st January, 1914,

and so far the candidates appear to have passed this test successfully.

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

The Secretary, Marine Department, Wellington.

SIR.

The Director, Meteorological Office, to the Secretary, Marine Department.

Wellington, 13th May, 1913. The usual 9 a.m. meteorological observations taken throughout the Dominion are now reported in Wellington in time for the issue of the telegraphic weather report at 10 a.m. This is then immediately telegraphed to most of the principal ports in the country. This promptitude on the part of the Telegraph Office has been maintained with wonderful regularity throughout the year. The reports can be delivered at £1 per annum by application to the Secretary of the General Post Office, and shipping people and others are now availing themselves of this

privilege. During the year the number of weather-forecast stations has been more than doubled, and the present number of places supplied with the morning forecast is 101 in the North Island and ninety-nine in the South, and one to Stewart Island.

A new code, comprised of words of four letters, was compiled to signify changes of wind, weather, barometer, seas, tides, &c. This has proved highly satisfactory, and it is hoped shortly to have it somewhat extended and printed. The copies hitherto in use were typewritten and reproduced by duplication on a "Gestetner" in the office.

The morning forecast is the principal one issued, but afternoon weather reports from twentyfour stations are issued as the basis of a more general forecast for the benefit of readers of the morning papers. The observations are taken at 4 p.m., and are usually all in about 5 o'clock. This report is handed freely to the New Zealand Times and the Dominion newspapers, but it is telegraphed daily at the expense of other papers-viz., the Auckland Herald, Napier Herald, Christchurch Press, Lyttelton Times, Otago Daily Times, and the Southland Times.

Summaries and forecasts are also sent daily, except on Saturdays, Sundays evenings, and Government holidays, to the following journals: Herald, Auckland; Times, Gisborne; Herald, Napier; News, New Plymouth; Chronicle, Wanganui; Times, Palmerston North; Age, Masterton; Colonist, Nelson; News, Westport; Argus, Greymouth; Times, Hokitika; Times, Christchurch; Press, Christchurch; Herald, Timaru; Times, Oamaru; Times, Dunedin; Times, Invercargill: and on Mondays, Wednesdays, and Fridays to the Mail, Ashburton, and the Times, Waimate. These reports, summaries, and forecasts go at press rates through the Press Association of New Zealand.

The new Wellington Observatory was opened on the 6th June, 1912, on ground rented from the Wellington City Council at 5s. per annum, and the grass and paths are to be kept in order at a further charge of £1. The site is a very good one, but, though protected as far as possible, the fence has not proved insuperable to mischievous persons, who have on more than one occasion spoiled the records of the exposed instruments. The equipment of the observatory is fairly complete, but an instrument to record wind-directions has not yet arrived, though ordered some time ago in Melbourne. The records of the automatic instruments have proved most useful, and have been referred to on several occasions to decide matters in dispute. The Dine's anemometer established at the new wireless station on Mount Etako has furnished very interesting results, showing nearly double velocity at that height above the city.

The office equipment has also been improved by the addition of a comptometer and a Gestetner duplicating-machine. The work of the office during the past few years has grown so much that only experience and constant effort upon the part of each member of the staff enables the work

to be kept up satisfactorily.

Further extension is asked for in the direction of regularly supplying forecasts broadcast for ships at sea. This is now done specially and freely when asked for, but it is not thought prudent to undertake more. Another extension will be in the direction of rainfall statistics in connection with the Public Works Department, for we are about to issue another 500 rain-gauges, connection with the rubble works beparement, for we are about to issue another soo rain-gauges, chiefly to up-country places, as far as possible at the sources and along the banks of the rivers. This information is needed for hydro-electric problems and flood warnings. There is a disinrnis information is needed for nyuro-electric problems and nood warnings. There is a distinction to undertake more until opportunity is given for developing what is already in hand. Wireless weather reports from ships have not come up to expectations, firstly through the vessels being generally not equipped with standard instruments, and secondly because the officers and operators need to be brought into closer touch with the work, and for this we have but little opportunity.

Wireless weather reports from Macquarie Island have proved of interest and value, giving help in forecasting, and throwing considerable light upon Australasian weather problems. Longer observations and further study are needed for their fullest appreciation, for the connection between observations and further study are needed for their funest appreciation, for the connection between antarctic conditions and in these latitudes is evidently very intimate though at times difficult to understand. These records will, moreover, link in with those of the British Antarctic Expedition, which, in the capable hands of Dr. G. C. Simpson, are likely to prove of the utmost value to meteorological science. The Commonwealth Weather Bureau as well as this office are supplying records with a view to assisting in this object, for which Captain Scott, Dr. Wilson, and their brave companions gave their lives.

D. C. BATES, Director.

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

Wellington, 25th April, 1913. Sir,-I have the honour to supply the following report on the fisheries for the year ending 31st March.

During the year I visited the fisheries at Bay of Islands, Kaipara, Whangarei, Great Barrier, Hauraki Gulf, Hawke's Bay, Wellington District, Marlborough Sounds, Nelson, Canterbury District, Otago District, Southland, and Stewart Island. I inspected and reported on the Taupo and Rotorua trout-fisheries at the request of the Minister for the Department of Internal Affairs. I also held the following inquiries: one at Christchurch, in connection with the question of nettinglimits in Lake Ellesmere; one at Invercargill, along with the Collector of Customs, in connection with the netting of trout in the New River estuary; and one at Bluff, with the Commissioner of Crown Lands for Southland, with regard to the size-limit for blue cod. During the year I paid several visits to the Portobello Marine Station; and also the salmon-station at Hakataramea, where I assisted with the collection of salmon and trout eggs last spawning season. With regard to the sea-fisheries: Commencing in the far North, the Inspector at Russell reports that all kinds of marketable fish have been plentiful, especially mullet. Mr. Walker, the proprietor of the mullet-cannery at Awanui, states that these fish have been more plentiful this year than any time during the past twenty years.

The whaling season has been a fairly successful one for the two firms engaged in it at Bay of Islands. Messrs. Cook and Jagger captured twenty-seven humpback whales at their Whangamumu station, and the New Zealand Whaling Company (Norwegian) finished up their operations at Bay of Islands, the total number of whales of all kinds taken by them both south and north being 133.

The number of fishing-boats licensed at Russell for the year ending 31st December last, including five Norwegian whalers, was fifty-five, with a total crew of 207.

The oyster-beds are in good condition. Last season the picking continued for five months, the beds yielding a total of 3,430 sacks.

Hokianga.—The number of fishing-boats licensed for the year was fourteen. The Inspector reports fish fairly plentiful and in good condition. All fish caught at the present time are sold locally.

Kaipara.—Mullet, schnapper, flounder, and trevalli are the principal fish caught, and the Inspector reports that these fish have been plentiful during the year. There are two mullet-canneries in the district, but most of the fish is sent to the Auckland market. He thinks the rock-oyster beds are in about the same condition as they were last year. A good deal of attention is now being given to the toheroa. The demand for this shell-fish, of which there is a large supply along the west coast, is increasing every year. Two canning-factories are now operating near the beach at the back of Aratapu and Te Kopuru, and the output from these meets with a ready sale.

Manukau.—Forty-two fishing-boats were licensed last year. The take of fish for the twelve months was about the average of what has been obtained from this fishery during the last two or three years.

Hauraki Gulf and Thames.—Inspector Bennett reports as follows: Schnapper, which is the principal market fish, have been fairly plentiful. Flounders also fairly plentiful, but fishermen at the Thames have suffered considerable loss through jellyfish blocking their nets: at times they were so plentiful that netting was impossible. Mullet he reports as being very scarce; trevalli very plentiful outside a line from Cape Colville to Kawau and up the coast past Whangaruru and the Poor Knights.

On the whole the Auckland market has been well supplied with fish during the year; any scarcity which may have prevailed at times was due to unfavourable weather-conditions. In Auckland there are eight fish-curing establishments, and canning and bottling mussels is now carried on at Tapu, Waimate Island, and Coromandel. At the latter place a well-equipped canning-factory has been started during the year by Messrs. A. R. McNiel and Co.

A system of long-lining for schnapper and other hook-and-line fish has now been adopted by a number of the Hauraki Gulf fishermen, and it is a great improvement on the single hand-lines generally used.

The oyster-beds are steadily improving all over the gulf. Last season the beds picked were those on the islands and reefs off Kawau Island, Mahurangi, Waiwera Island, and Whangaparaoa. These beds supplied all the oysters required for market, and kept the pickers employed for the six months' season. The quantity picked was 4,298 sacks.

Gisborne.—The Collector of Customs reports that thirteen boats were licensed to fish during the year, and the supply of fish brought in from the local grounds was not quite up to that of the previous year.

Hawke's Bay.—Eight vessels over 5 tons register and sixty under 5 tons were licensed to fish during the year. Trawlers and net fishermen report flat fish as scarce, but round fish, such as schnapper, tarakihi, moki, &c., as plentiful. The Collector at Napier gives the total value of fish brought in at £22,000. The weather-conditions during the year have been favourable, and on the whole those employed in connection with the industry have had a successful year. The estimated value of the fish cured at the two curing establishments is £500.

Kaikoura.—The local Inspector reports that fishing during the year has been very satisfactory. Hapuku, trumpeter, tarakihi, butterfish, moki, crayfish, &c., have been plentiful, and very good catches have been made.

Wellington and District.—The report from the Inspector at Foxton is to the effect that all kinds of fish usually caught in the tideway have been scarce this season. The whitebait season was a very short one, and fishermen state that it has been the worst for several years. Flounders have also been scarce, and only about half the quantity has been caught as compared with last year. In the opinion of fishermen the reason of the decrease is the extra amount of wash from the flax-mills which has been discharged into the river owing to the mills working night and day. Good catches of schnapper and cod have been made during the summer by boats which have worked outside.

During the year the catches from the local fishing-grounds have, on the whole, been fairly good. When the weather-conditions were favourable good catches of hapuku and other line fish have been made in the Strait and other grounds. Fishermen find that along the edges of the deep depressions which exist in Cook Strait fish are to be had in abundance, and with favourable weather and tide-conditions they seldom fail to make good catches.

The trawler "Energy" has fished for the greater part of the year from Wellington, principally in Cloudy Bay. The steam trawlers "Nora Niven" and "Countess" have lately come down from Napier and have fished the grounds in Palliser Bay, Tasman and Golden Bays, and off Kapiti Island.

Wellington Municipal Fish-market.—The market was opened on the 4th October last, and since that date about 40 tons of fish, consisting of all the principal market varieties, has been received and disposed of. The object of the market is to allow the fishermen to deal directly with the consumer. The manager states, however, that so far it has not received the support of the small fishermen that it deserves. The Municipality merely receives and sells the fish sent in, charging 10 per cent. commission on sales. It does not purchase any fish, and accepts no responsibility. The uncertainty of the supply of fish which has so far come forward has no doubt prevented the public from patronizing the market as well as they otherwise would have done.

Nelson.—The fishing during the past year has been better than for several previous seasons, the supply obtained during the winter months being particularly good. After supplying the local requirement most of the surplus fish is sent down the west coast to Westport, Greymouth, and Hokitika.

Westport.—The run of whitebait in the Buller River last season is reported to have been particularly good, but the catches of other market fish have shown a considerable falling-off.

Marlborough Sounds and South Coast of Cook Strait.—These fisheries continue to supply a large quantity of the fish required for the Wellington market. During the past twelve months fair catches have been made, and the total quantity shipped to Wellington has been rather better than during the two previous seasons. Fishermen complain of the decrease of fish in certain parts of the Sounds, and most of the fish is now caught out in the Strait. The principal fish caught are blue cod, hapuku, moki, garfish, tarakihi, butterfish, warehou, flounders, and herrings. Some very good catches of blue cod have been made, and the fish all the season have been in excellent condition.

Canterbury District.—Owing to frequent floods in the Waimakariri River, the run of white-bait was unusually poor last season. On the other hand, in the smaller rivers which are not snow-fed the run was exceptionally good. The supply of sea-fish from the local grounds has been unsteady, caused, no doubt, by the frequent gales which have been experienced during the year. The fish-supply at the Christchurch market has in the aggregate been equal to the previous years, but it has been unsteady, no doubt due to the unfavourable weather, which prevented fishermen, sometimes for more than a week at a time, from going out. A large quantity of the fish-supply for the Christchurch market is now obtained from Timaru. The quantity brought into this port during the year has shown a steady increase.

There are now eighteen large oil-launches and one steam trawler working from Timaru. Several of the larger launches are fitted with the Otter trawling-gear and are able to work successfully on the same ground as the steam trawler. Hapuku, flounders, soles, tarakihi, ling, kingfish, and red cod are the principal fish taken.

Otago District.—From information received from fishermen at the various fishing-places along the coast, the quantity of fish landed during the year ended 31st March last has been quite equal to what was marketed in 1910–11.

The information I got from fishermen at Oamaru was to the effect that the season had been noted for strong winds and stormy weather, but, notwithstanding this, the total quantity of fish brought in was about the average for this port.

At Moeraki fair catches were made of all kinds of fish when the weather-conditions were favourable. During the winter some exceptional hauls of hapuku were made well off shore in from 50 to 90 fathoms. On the whole the season has been an average one. Here as well as at Oamaru fishermen complain of the high price of benzene, which has increased the cost of running their boats, and prevents them taking any risk in looking for new fishing-grounds. During the year the Dunedin market has been well supplied with flat fish, and a fair supply of all other kinds has come forward. Most of the fish-salesmen, however, state that the supply all round has not been equal to the demand.

At Nugget Bay the fishermen report that fishing on the inshore grounds has been rather poor, but further off in the deeper water the catches were quite equal to other years. Hapuku is the principal fish taken. The boat-landing at this bay is considered by fishermen to be anything but a safe one, and boats caught out in an east, north-east, or northerly gale have to take great risks in getting in. An extension of the groyne or breakwater to the outer reef would undoubtedly effect a great improvement and make it as safe as it is possible to be, and I would recommend that an estimate of the cost of making this extension should be obtained with a view to having this work done.

Chatham Islands.—The two Wellington fishing companies have continued operations during the year. The bad weather which prevailed throughout the year very much hindered the fishing, and on that account it has not been nearly as profitable for the fishermen and the companies as it otherwise would have been. Whenever the weather was favourable very good catches of blue cod and other fish were made.

Southland District.—During the year it may be said that blue cod have been plentiful, and in fine weather some exceptional catches have been made. The fish, too, have been in excellent condition. In February I visited Stewart Island and went out with a party of fishermen on to the fishing-grounds in Foveaux Strait. The weather was fine and good catches were made by all the boats, and I was very pleased with the quantity and quality of fish caught.

During the greater part of the season of 1912 the quality of the oysters was poor. This season, however, from the opening on the 1st March, they have been exceptionally good. The local Inspector reports that this season most of the oysters are being taken from a bed which has not been worked for nearly twenty years. Information has been received to the effect that the supply on some of the old beds which have been persistently worked for a good many years is giving out. Some inquiries have been made, but the information received has not been quite satisfactory, and I would recommend that the matter should be carefully inquired into and, if considered necessary, a survey of these beds made. These beds are a most valuable asset for the Dominion, and every care must be taken to preserve them. The quantity of oysters exported from the Bluff during the year was 378,896 dozen, valued at £2,984, and the quantity of fish exported was 5,908½ cwt., valued at £8,660.

The Inspector reports that the Norwegian Whaling Company, which has been operating to the west of Stewart Island and Foveaux Strait during the last eleven months, has been successful in capturing forty-five whales (principally sperm), yielding 159 tons of oil, valued at £2,350, and from a large sperm whale ambergris to the value of £32,000 was obtained.

There exists from Waikawa westward to Preservation Inlet and round Stewart Island one of the most important and extensive fisheries in the Dominion. It includes our most extensive blue-cod fishery, and all the other varieties of South Island market fishes are abundant in its waters. With the exception of blue cod, this fishery has not been made use of to any extent for supplying the market with other varieties. The principal reasons for this have been the inadequate steamer communication with Stewart Island, and lack of railway facilities for getting fish to the Dunedin and Christchurch markets in quick time, so as to ensure its arrival in good condition. When these disabilities are removed and more interest is taken in marketing these fish by the Bluff fish-merchants this fishery will undoubtedly supply large quantities regularly to Dunedin and Christchurch, and at certain seasons to the Wellington market.

By instructions from the Minister of Marine an inquiry was held at the Bluff in September last by Mr. McClure, Chief Commissioner of Crown Lands for Southland, and myself into the question of the size-limit at which blue cod should be allowed to be taken. Very full evidence was given by the fishermen's representatives from Stewart Island and other parts. As a result of the evidence given it was recommended in the report furnished to the Department that the size-limit approved by the fishermen should be adopted—viz., $10\frac{1}{2}$ in. in length for whole fish and 9 in. when headed.

An inquiry was also held at Invercargill in September by myself and Mr. Anderson, Acting Collector of Customs, into the question of the netting and sale of trout in the New River estuary. The representatives of the local acclimatization society, Anglers' Club, and others interested gave very full evidence against netting being allowed; and evidence was given by fishermen, fish-dealers, and others in favour of the netting and sale of trout. After the inquiry was finished the area where netting has been allowed was inspected and tested. As a result of the inquiry it was recommended that the netting (within the present limits) and sale of trout should be allowed for the present, but that trout-netting licenses should only be granted to professional fishermen.

Rock-oyster Beds.—Last picking season was a most successful one—it extended the full six months; and with the exception of the usual rush during the first few weeks, the market all the rest of the season was fully supplied. The total quantity picked was 7,728 sacks, 3,430 being taken from the Bay of Island beds and 4,298 from the Hauraki Gulf. As an indication of the great improvement which has taken place in the condition of the oyster-beds in the Hauraki Gulf it may be stated that only about half the available beds were picked last season, and these supplied all the oysters required; the rest of the beds, although ready to pick, were not required, and will yield a very large supply of oysters of the finest quality this season. I made a detailed inspection of all the beds in December last, and found a steady improvement in their condition everywhere.

The replanting done by the Department on the Coromandel coast and islands in the Thames Gulf is already effecting an improvement in the beds in these places. Where the first planting was done large numbers of young oysters can now be seen along the rocks, the result of the spawn from the brood oysters planted. The steady improvement in the beds can undoubtedly be taken as clear evidence that the system of picking and protecting the beds which has now been adopted by the Government is the right one.

Whaling.—Three foreign whaling firms commenced operations during the year, but two of these have left the Dominion for other countries where they are confident better results will be obtained. Messrs. Cook and Jagger, and the whalers in Tory Channel, express themselves as well satisfied with the season's operations.

Atlantic Salmon.—As the importation of herring-ova and other sea-fish was taken in hand last season no importation of salmon-eggs was made. The success of the acclimatization of the quinnat salmon was, I consider, due to the systematic effort made, and it is to be hoped that a similar effort will be made with these fish. If this is done I am sanguine that we will be equally successful in establishing them, and I would strongly recommend that the importation of not less than a million eggs should be made this coming season.

Quinnat Salmon.—In point of numbers the run of this salmon, which spawned in the Waitaki River and its tributaries last season, was quite equal to any of the previous years. The average size of the fish was, however, larger, and a peculiarity of the run was the very large percentage of male salmon which were captured. In other seasons the fish taken were about equal sexes, but last season nearly twice as many male fish were taken as females. Had the percentage of

females been equal to other seasons nearly double the quantity of eggs would have been collected. The total quantity of eggs taken was 237,000, and these were disposed of as follows: 27,500 were supplied to the Tasmanian Government; 190,000 sent to the west coast; 7,500 retained at the Hakataramea Hatchery: 12,000, the loss during incubation. The salmon-eggs sent to the west coast hatched out very well, and the young fish were planted in tributaries of the Hokitika River. It is interesting to note that a number of the young fish were taken in whitebait-nots in the tideway of the river during the early summer, showing that they maintain in this country the same characteristics of going to sea at an early stage of their existence as they do in their native country.

The attached list gives the total number of salmon over a year old liberated from the Hakataramea salmon-station during the year, and also the number retained at the station. The following fish were liberated from the station in October, 1912: Quinnat salmon, three years old, 503; two years old, 567. Rhine salmon, three and a half years old, 73. Atlantic salmon, three and a half years old, 69. The following fish were retained in the ponds on the 31st March, 1913: Quinnat salmon, three years old, 70; two years old, 982; one year old, 17,924. Rhine salmon, four and a half years old, 20.

Collection of Trout-eggs.—The season was the most successful one experienced since the

Hakataramea station was established. The weather conditions were favourable all through the time the men were at work on the rivers, the result being that all the eggs required were taken in less than a month. The total quantity collected was 960,000; of this number 810,000 was supplied to different acclimatization societies, and the balance was hatched out and the young fish planted in the Hakataramea River and its tributary creeks.

Taupo and Rotorua Fisheries .- At the request of the Minister for the Department of Internal Affairs, the Department sent me in August last to make an inspection and furnish a report on these fisheries. I made a careful inspection of all the rivers and streams flowing into Taupo Lake, and also the fish there and at Rotorua and other lakes, and furnished a report as instructed,

with recommendations for the future working of these fisheries.

I have, &c.,

L. F. Ayson, Chief Inspector of Fisheries.

The Secretary, Marine Department, Wellington.

The CHAIRMAN, Portobello Marine Fish-hatchery Board, to the SECRETARY, Marine Department. DEAR SIR,-Dunedin, 21st May, 1913.

I beg to forward the report of work done at the Portobello Marine Fish-hatchery during the past year, as submitted to the Board by Mr. Thomas Anderton, the Curator. You already have received from Mr. Anderton direct the report of his trip to the Old Country and the successful introduction of turbot into New Zealand, together with a fine new stock of lobsters and crabs; also a full account of his attempt to introduce the ova of the herring, and the reasons for the failure of this attempt. The Board is of opinion that this attempt should not be renewed, at any rate, for the present. Under existing conditions the risks of failure are too great to justify a renewal of the shipment.

In forwarding this report the Board wishes to record its great satisfaction with the services rendered both by Mr. Anderton and the assistant curator, Mr. W. Adams. To the former's unceasing vigilance and care, both before and during the voyage out, is due the success of the last shipment of fish and crustacea; and during Mr. Anderton's absence the work of the station was carried on single-handed by Mr. Adams, everything being kept in first-class order. The success of the station is mainly due to the zeal and untiring industry of these two officers.

The Secretary, Marine Department.

I am, &c., GEO. M. THOMSON.

Marine Fish-hatchery and Biological Station, Portobello, 17th May, 1913. Gentlemen. I have the honour to present the following (the seventh) annual report of operations at

the Marine Fish-hatchery from the date of the last report, 4th May, 1912, to the present date.

I have already forwarded to Mr. Allport a full account of the recent large shipment of lobsters, crabs, and turbot, and of the attempt to import the ova of the herring from England, and it will not be necessary to refer to it again except as to its effect on the past season's work and with reference to the progress of the stock since their arrival on the 1st March.

During my absence from the 3rd August, 1912, to the 1st March, 1913, the station was worked single-handed by Mr. W. Adams, with the exception of a little occasional assistance. As a conse-

quence of this no flat fish ova were collected from the trawlers this season.

The lobsters were examined on the 7th November, and eight out of fifteen females were found to be still carrying practically full bunches of well-developed eggs. They were removed to the smaller ponds on this date, the three carrying the most advanced eggs being placed in the glass tanks for hatching. The first larvæ appeared on the 23rd November, a fortnight earlier than

H.—15.

last season. From these three 9,387 larvæ were hatched, the average produced for each adult being 3,129. The other five females were allowed to hatch their broods in the ponds, and the larvæ were allowed to escape in the usual manner through the pond-valves on the first of the flood. Many of the larvæ were again liberated to the east of Quarry Point. The total production of lobster-larvæ for the season is estimated at about 25,000. A large percentage of these were hatched from eggs that were shed by the adults whilst in the glass tanks by means of the McDonald hatching-jars. The first moult after spawning was observed on the 18th January. Five other males and four females are known to have cast between this date and the 18th February. Several of the females are again bearing eggs. The younger of the two lobsterlings died during the act of moulting, but the older one is still thriving and is now three and a half years old. The two surviving crabs died before the arrival of the new shipment.

During my absence the paths at the new cottage were asphalted; the large pond was deepened by from 12 in. to 18 in.; new shelters and screens were made for the ponds, the pump-engine was overhauled, and everything was in perfect order on the arrival of the shipment on the 1st March.

The new stock consists of forty-three crabs, forty-one lobsters, and 200 turbot (Rhombus maximus). The disposition of the crabs and lobsters in the various ponds has just about brought these up to their full carrying-capacity. The young turbot are being kept in five of the large glass tanks, and have not been handled since their arrival. Although the average daily rate of mortality during the voyage—even to the day of arrival—was two per day, only two have died during the past ten weeks, and these two were sickly on arrival. They are fed once a day on minced fish, chiefly ling, on account of the firmness of the flesh. At feeding-time they all rise towards the surface and seize the particles of food before they reach the bottom of the tank. Feeding is continued until the fish appear satisfied and particles are allowed to settle on the bottom. Feeding is then discontinued, and every particle of uneaten food, manure, and sand is removed from the floor of the tanks by means of syphons. A liberal sprinkling of clean sand is thrown in the tank after this, and the young turbot soon "sand" themselves and become half-buried in this, and remain so for the most part until feeding-time comes round again. They have increased in size enormously since arrival; many of them already exceed 6 in. in length and are proportionately thicker. Provision is being made for their rapid increase in size by erecting one of the large wooden tanks, previously used for conveying lobsters on board steamer, in the hatchery. A sudden fall in the temperature of the water-supply to 5° C. on the 1st May caused them to become somewhat sluggish and to take very little food. They have, however, been subjected to slightly lower temperatures since then, and have fed as usual and have apparently been unaffected in any way. During spells of exceptionally severe weather the temperature of the supply water has occasionally fallen as low as 1° C. in previous seasons. On several occasions large numbers of sole and flounder ova have been destroyed by this. To avoid further losses through this cause, and also to avoid the risk of exposing the turbot to these low temperatures, a small but effective heating-apparatus has been installed. A small lean-to has been added at the rear of the hatchery building and in this has been placed an "Ideal" boiler. The 2 in. supply-pipe has been coupled up so as to allow the water to circulate through the water-jacket surrounding the furnace. By means of three valves all or only a part of the water may be made to pass through this jacket, and it is now possible to have complete control of the temperature during the severe spells.

The boat and launch have been regularly slipped for cleaning and painting.

The whole of the ponds, plant, and buildings are in a very satisfactory state of repair. The whole of the fish-tanks, ova-boxes, and cooling-apparatus was received from the s.s. "Waimana" whilst in Dunedin, and have been brought to the hatchery for storage. The cooling-coils have been removed from the cylinders, painted, and replaced to avoid rust.

I am, &c., T. Anderton.

REPORT ON IMPORTATION OF LOBSTERS, ETC., AND TRIAL SHIPMENT OF ENGLISH HERRING-OVA.

Portobello, 30th March, 1913.

I have the honour to present the following report of the recent shipment of lobsters, crabs, and turbot, with a small experimental shipment of herring-ova, by the s.s. "Waimana" which

and turbot, with a small experimental shipment of herring-ova, by the s.s. "Waimana," which arrived in Port Chalmers on Saturday, 1st March.

My instructions from you before leaving were to visit the British, and if necessary the Continental, biological stations; to arrange for the collection, storage, and transport to this country of a number of crabs and lobsters and 60,000 herring-ova; and also to arrange, if possible, for

a trial shipment of one or more species of the finest of the English food fishes.

Smaller consignments of lobsters and crabs have previously been carried very successfully by Captain Holmes and Mr. Finlayson on board the s.s. "Karamea," and have withstood a considerably higher temperature than that at which they were carried this voyage, and it will not be necessary to refer at any great length to the details of their management. It is, however, the first time that an attempt has been made to transport the young turbot to this country, and the first time that a really serious attempt has been made with regard to the transport of the herring-ova, and it will be necessary and advisable to refer at greater length to the collection and storage of these, and to give fuller particulars of the details of construction of the boxes, tanks, filters, cooler apparatus, &c. I beg to enclose table of dates, positions, and temperatures during the voyage.

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I arrived at Plymouth by the R.M.S. "Ionic" on the 18th September, and at once consulted Dr. Allen as to collections and storage of the stock for shipment, and as to the most important station to visit. I then proceeded to London, and was able to make all necessary preliminary arrangements for a vessel, sailing in January, with the Shaw, Savill, and Albion Company. I then visited the Marine Biological Stations at Port Erin, Isle of Man, Pial Island, Barrow, and Bay of Nigg, Aberdeen. At the latter station I was enabled to see the apparatus that had been used by Dr. Williamson for retarding the development of the herring-ova, and arranged with him to supervise the collection and shipment at Plymouth. No hatching was in progress at this season at any of these places, but I was able to inspect all their plant and to have a long conversation with the curators and scientific superintendents. Copious notes were made of all that might prove useful, and I obtained from Dr. Allen a copy of Professor Kofold's "Biological Stations of Europe." This work contains all information relating to sizes of tanks, ponds, piping, pumps, filters, &c., in use at all the European stations, and may be referred to at any time. The Continental stations were at this time closed down, and as their appliances are practically the same as those in use in the British Isles I considered it unnecessary on the score of economy of time and expense to visit them.

Lobsters and Crabs.

These are fairly plentiful around Plymouth, and a stock was not secured until early in December. They were placed in two of the large aquarium tanks. The large claws were securely tied, and few deaths occurred. Owing to the reduced size of the fish-chamber on board the vessel provision was only made to carry twenty-four each of lobsters and crabs. A much larger number was stored at Plymouth to allow for possible deaths, and the whole of the surviving stock, consisting of forty-three lobsters (twenty-eight female and fifteen male) and fifty crabs (thirty-three female and seventeen male) were brought on board. The crabs were in some instances placed two and three in a division originally intended for one, and the compartments allotted to the lobsters were again divided in the case of the smaller ones, and in spite of their greatly reduced quarters only two lobsters and seven crabs died during the voyage; the majority of deaths took place soon after leaving Plymouth. They were brought on board in ordinary fish-baskets, from six to a dozen in each basket. The large claws of all were bound when brought on board, and were not cut until each was confined in a separate compartment. Several crabs that were placed two or three in one division managed to get rid of their lashings and were not retied, but did not in any way injure each other. During the voyage they were fed sparingly and somewhat irregularly on frozen hake; a piece about 1 in. square was supplied to each on an average every second day. All unconsumed food was removed from the compartments two or three hours after being supplied, and every particle of fish-rust, &c., was removed by means of a siphon once or twice every day. Only once during the voyage were they handled to permit the tanks to be thoroughly scrubbed out. Nine of the crabs spawned during the voyage, but, as usual in very close confinement, the eggs were shed and lost. Several of the lobsters bore eggs when shipped and still retained them on arrival.

Turbot (Rhombus maximus).

The reasons in favour of making a trial shipment of turbot were many. The chief of these were—their high commercial value, the large size to which they attain, and their dissimilarity to any of the indigenous flat fishes. In addition to these reasons, Dr. Williamson had already, at the request of the New Zealand Government, proved them capable of withstanding sufficiently low temperatures for the hatchery ponds, and Dr. Allen has reared the young ones with great success in the small tanks, and the large adults thrive particularly well in the large aquarium tanks at Plymouth. Dr. Allen assured me also that if the work was put in hand at once (September) it would be possible to secure a few hundred of a suitable size for shipment. The young turbot were captured by Messrs. Smith and Orton and others of the staff by means of fine-mesh nets in the surf at Whitsand Bay. They were fairly plentiful at the end of September, but as many died from the effects of bruises, &c., it became necessary to continue to make up for losses right on to December, by which time they were very scarce. Some seven hundred odd were caught in all, but these were reduced to about three hundred by the time of shipment. They were transported from Whitsand Bay to the tanks at Plymouth in small jars placed in baskets. Their removal occupied from two to three hours—a long journey by brake, ferry-boat, train, and on foot—during which time the water was changed once. During their confinement in the tanks they were fed once a day on minced worms and squid, and a quantity of each was frozen for a time and then fed to them as a test for a supply of food for the voyage. This appeared quite satisfactory. At one time they were dying off so rapidly that it was considered advisable to get in a stock of place to ship in their stead. Some hundred and fifty place were captured and stocked in readiness, but as the mortality amongst the turbot steadily decreased they were not needed.

About three hundred young turbot from 2 in. to 3 in. in length were brought off to the vessel in large zinc tubs, and were placed in the three tanks provided for them, a hundred in each tank. The measurement of each tank was 4 ft. by 2 ft. 6 in. by 18 in. deep, and they were made of 1½ in. yellow-pine. Each tank was fitted with an easily removable lid fastened down by means of thumbscrews, and with a rubber joint. In the centre of each lid an opening was left 3 ft. long by 12 in. wide; this was formed into a trunkway by being fitted with sides extending 9 in. above the lid of the tank. During heavy weather these covers were screwed down to minimize the splash of the water from side to side. The lower overflow was plugged up, and the water was allowed to rise and escape through a pipe 5 in. from the top of the trunkway. The surface area of the tanks was thus narrowed down very considerably, and the movement of the whole body of water was greatly reduced.

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Worms in pint and half-pint tins, and squid and shelled mussels in small boxes, were frozen and kept in cold storage to serve as food during the voyage. The worms turned out, from some cause or other, to be little better than a mass of slime, and were altogether useless for food purposes. The turbot did not take very well to the mussels, but an excellent substitute was found in ininced hake, and this with a little minced squid formed their food throughout the voyage. None were seen to eat for the first five days. They were fed daily, with an occasional day's starving. At feeding-time during the voyage it was necessary to remove the tank-lid and to hold a portable electric light over the tanks. The turbot seized the food whilst descending through the water; any particles that were not thus seized remained on the bottom of the tank until cleared out. Such was not the case previous to shipment, and is not the case at present whilst receiving natural light, and I think this peculiarity must be attributed to a great extent to the effects of the electric All unconsumed particles of food, castings, and sand were removed by siphon immediately after feeding, and a light sprinkling of sand was strewn over the bottom of the tank. One hundred died during the voyage, the death-rate thus averaging about two per day. The majority of those that died showed distinct signs of bruises, mostly on the under side. A great many had eaten nothing for many days; the intestines were quite empty, and the whole abdominal cavity was much distended and full of a semi-transparent fluid; the anus in most cases was inflamed.

The three tanks were placed fore and aft in the vessel, each tank received a separate supply of water, but as all were connected and the outlet for all was in the after end of the after tank, the second tank received double and the third tank treble the amount of water that it was possible to supply to the first tank. During the hottest part of the voyage the mortality in the first tank was much greater than in the other two, and when the fish were counted out on arrival it was found that about fifty had died in the first, thirty in the second, and only twenty in the third The aeration of the supply-water was very greatly increased by allowing a fall of about Half-inch glass tubing, drawn out to a needle point and broken off to allow of any desired flow, was secured into the end of the rubber hose leading into each tank, and this, with the cocks left full open, allowed the water to be forced through with the full pressure of the main pumps and to carry a great quantity of oxygen with it.

Up to the date of writing (19th April) only two deaths have occurred since their arrival seven weeks ago, and these two died the day after arrival. They are still being kept in the glass tanks, but at their present rate of growth it will soon be necessary either to liberate a number or to place them in one of the large ponds. Many of them have already attained a length of $5\frac{1}{2}$ in. and are proportionately thicker. They are fed entirely on minced fish, chiefly ling.

Herring-ova.

The herring-fishing at Plymouth is very uncertain. On examining the statistics for the last eight years it was fond that, as a rule, few herrings were taken during November, but that the greatest quantities were caught in December and early in January. This season's herring-fishing

has been a failure throughout owing to the scarcity of herrings.

Dr. Williamson and I journeyed to Plymouth on Sunday, 5th January. Mr. T. Dance, agent for Messrs. Peacock and Co., of Lowestoft (to whom I had previously written), has most kindly made all arrangements for us to accompany the steam drifters. About eight thousand ova were secured the following night on board a steam drifter. On account of heavy weather this was the only vessel to proceed to sea that day, and none were able to do so until Friday, the 10th January. During the week every effort was made to secure ripe herrings within the harbour by means of set-nets, drift-nets, and seine nets, but no ripe herrings were taken. The weather moderated a little on Friday, and the masters of the steam drifters were persuaded to endeavour to bring in a number of live herrings in their large net-tanning casks. A large number of ripe herrings were brought in by the various vessels, and from these Dr. Williamson was enabled to secure the full consignment of sixty thousand ova. Immediately afterwards the weather became worse, and but for this brief lull no ova could have been secured.

The herring-egg is, roughly, about $\frac{1}{8}$ in. in diameter, and is adhesive. A quantity of milt was expressed from a male and allowed to mix with the water, and the ova were stripped from the herrings in the usual manner (the herring being held under water) on to twenty-four glass plates, each measuring 9 in. by 7 in. These plates were placed in boxes at the aquarium, and the circulating water was cooled by means of a grill improvised out of half-inch iron piping and rubber hose, upon which rested a large cake of ice. They were brought off to the vessel in the shelved boxes that had been made for this purpose, the temperature of the water being about 39° F. The accompanying tables show the maximum, minimum, and average daily temperatures through-

out the voyage.

On account of the varying ocean temperatures, but more so on account of the varying pressure of the pumps, it was necessary to keep a constant watch on the coolers, and the ova were rarely left unattended, and never for more than half an hour. A description of the coolers will be found under that heading. All piping between the supply-tank and the coolers was of black The water was led from the bottom of the cooler to the filters by I in. rubber hose, and connected up by means of ordinary brass couplings. The filter-boxes were made of 11 in. yellowpine, with watertight lids easily removed. These and all other boxes and tanks were painted with bitumastic solution. The water entered at the bottom of the filter and passed upwards through three trays of thick flannel, and was led by two brass taps and $\frac{1}{2}$ in. rubber hoses into the first and fourth compartments of the ova-boxes. A second filter was cleared out in readiness, and the charging of the filters did not occupy more than a few minutes.

At times, such as when on one or two occasions the supply-tank had run empty, or whilst in port, an enormous amount of both fine and solid matter was found on the flannels and on the bottom of the filters, and even whilst at sea about a teacupful of matter could be scraped off

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the flannels with a knife. In appearance and consistency this substance much resembled yellow ochre just as it is pressed out of a tube of oil colours, and probably consisted of rust-grease from

the pump and a large amount of organic matter.

Calculated on a temperature-unit basis, a temperature of 35.5° F. would retard the development for the necessary fifty days. This temperature was maintained with little variation throughout. The maximum and minimum thermometers registered 40° and 32° F. Two streams were out. The maximum and minimum thermometers registered 40° and 52° F. Two streams were laid on, each supplying three compartments. This means that compartments 1 and 4 were of equal temperatures, but that (whilst proceeding through the tropics) Nos. 2 and 5 and 3 and 6 became slightly warmer through contact with the atmosphere, which at times reached 63° F. This difference never exceeded $1\frac{1}{2}$ ° F., but even with this a considerable difference of development could be seen in the ova from the different boxes. The ova were still fairly clean on crossing the Equator on the 24th January, and the outline of the embryo could be easily distinguished. In the ova from the warmest box the tail of the embryo reached better than half-way to the head. Very few dead eggs were discerned up to this time. The water at Cape Town was somewhat dirty, and the ova received an extra coating of sediment. This was removed by means of a long-haired camel-hair brush, and the compartments were scrubbed out separately soon after leaving Cape Town. By this time the ova were assuming a slightly reddish tint, and more appeared to be dead, especially on those plates upon which the ova were spread thickly. Nevertheless the majority were developing very nicely for some time after this, the tail of the embryo having reached past the head, and the chord and eves were visible in all the live eggs. No diatoms, algæ, or fungus at any time appeared, and I was not able to detect the presence of any of the crystals mentioned in Dr. Williamson's reports. All the compartments were thoroughly cleaned out on the 6th February, the plates were still in very fair condition, and a number from each box was examined and notes of their condition were made.

Up to this time there appeared to be every prospect of a large number being successfully carried through. This cleaning, which had occupied eight hours, was nicely completed when from some cause or another the supply-tank ran dry. When the water returned it came with such tremendous pressure as to force itself through the joints of the coolers and filters, and brought with it such an amount of rust and sediment that had collected in the bottom of the supply-tanks that in a moment the water became as thick as soup. My time for the next few hours was fully occupied in getting the fish and lobster tanks in order again, and by the time I was able to give my attention to the ova they had received a very heavy coating, and the water in the boxes was so thick that one could not see an inch below the surface. For the next few days the water continued fairly thick, and when a number of eggs were examined on the 12th most of them were seen to contain dead embryos. The experiment was abandoned on the 14th February in latitude 47° 26′ S., longitude 104° 57′ E. The ova at this time were impregnated through and through with rust, &c.; no trace of a live embryo could be seen in any of the eggs, but where the capsule was sufficiently clear the opaque dead embryo was seen.

The ova were fertilized at Plymouth on the 10th January. By far the majority contained live embryos on the 6th February, twenty-seven days after fertilization, and some still contained live embryos on the 12th February, thirty-three days after being fertilized. None of the ova hatched out: the steady low temperature at which they were maintained precluded the possibility of any hatching up to the thirty-third day. From 30 to 50 gallons of water passed through the

boxes per hour.

I attribute the failure to convey the ova to New Zealand to be due to a very great extent to the tremendous amount of matter in suspension in the water taken from the ship's main sanitary service. The boxes and frames containing the ova, and the rotary motion produced by means of the water-wheel, worked perfectly, and could hardly be improved upon, excepting if it were possible by supplying each compartment with a separate water-supply. If the experiment should at any time be repeated it would be advisable to have an independent water-supply, not necessarily from the sea, but to avoid the large amount of cooling and filtering that would be required for a large shipment. By providing two large wooden tanks, one above and one below the fish-chamber, it would be possible to use the same cooled and filtered water over and over again to a great extent. A small electrically driven pump and aerating plant would be required for this purpose, and this would allow the control of the water-service to remain entirely in the hands of the responsible attendants.

In my preliminary report I expressed a strong conviction that the "scheme" was impracticable. I did not mean by this that I considered it would be impossible to retard the development of the ova on board ship for a sufficient period to allow of a number hatching out after reaching these waters, especially by a direct steamer making the passage in about forty-two days. An independent water-supply as described above would go a long way towards remedying the defects that have been pointed out by this small shipment. My reasons for expressing an adverse opinion against the scheme of attempting to acclimatize the herring into New Zealand waters by means of bringing out shipments of ova are on account of the delicacy of the undertaking and the heavy recurring expenditure involved, and, summarized, are as follows:—

(1.) The retardation of the herring-ova from about nine to fifty days, of itself a very delicate experiment even when conducted on a small scale in a well-equipped marine laboratory.

(2.) Dr. Williamson only succeeded in one out of three experiments in retarding development for fifty days, and even in this one only one larvæ hatched out of every six

(3.) During these experiments the water used stood at about 42° F., and therefore contained more oxygen than when suddenly cooled from higher temperatures during the voyage.

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(4.) It is quite possible (as witness the narrow margin on the last occasion) that a shipment of ova might be unprocurable when required after fitting up the plant on board of a certain vessel.

(5.) I was assured by the refrigerating engineer that the refrigerating-engines were run more during this voyage to cool the supply of water than when carrying a full cargo of mutton, and that the cost would amount to £3 a day. Of this the ova water took half.

(6.) The fry cannot be reared in confinement, and any that hatched would have to be

liberated in the ocean at once.

(7.) The Shaw, Savill, and Albion Company most kindly, on the last occasion, gave the space required, allowed the vessel to call into Plymouth, and made no charge for the water-supply or cooling. In order to have any reasonable prospects of success it would be necessary to make a large shipment year by year, and the charges for the above obligations would greatly increase the cost of each shipment. The cost of transferring the plant from one vessel to another would be considerable, as it is very rarely that the same vessel would come direct to Port Chalmers on two successive trips at the right season of the year.

(8.) The acclimatization of the herring presents an entirely different aspect to that of the turbot, lobster, and crab, inasmuch as it would be necessary to establish them around the coasts in such vast numbers as to create an altogether different class of

fishing (drift-net) to any at present practised.

The Voyage.

As I had only returned from Plymouth the previous evening I did not join the "Waimana" until a little before sailing and whilst lying in the river off Gravesend. Owing to my absence since the previous Saturday I had been unable to supervise the final portion of the fitting-up of the fish-chamber. Everything was, however, in very satisfactory order. The "Waimana" left Gravesend at 3.30 p.m. on Saturday, the 11th January, and arrived off Plymouth at 6 p.m. next evening. During the passage down the Channel all tanks were thoroughly scrubbed out and the heavy deposit of Thames silt was got rid of. The coolers were tested, and the water for the herring-ova was brought down to 40° F. The shipment of lobsters, crabs, turbot, and ova were brought off by tender, and the "Waimana" left at 9 p.m. The temperature of the sea-water rose steadily, and by consistent watching no difficulty was experienced in keeping the ova and fishes at the desired degree. The fish and lobster water was allowed to rise to 63°. F. for two days only, but as many of the crabs were somewhat distressed it was reduced to 56° F. and maintained at that throughout the voyage. The highest sea-temperature, 84° F., was reached in latitude 5° 47′ N., and from this it steadily fell until reaching Cape Town on the 1st February. The water in the harbour was 57°. On leaving Cape Town the sea-water fell to 53° F. at 4.30 a.m., and rose to 61° at 9 a.m. and 71° at noon. For the next few days whilst passing through the Aghulas current the temperature was constantly varying and ranged between 72° and 62°. The water was somewhat cloudy at Cape Town. Before leaving the Aghulas current the temperature of the fish-water was reduced to 53°, a little below the usual 56°, so as not to cause too great a reduction on meeting the colder currents.

The lowest ocean temperature was recorded on the 13th February in latitude 47° 9′ S., 96° 29′ E. The experiment with the herring-ova was abandoned on the 14th February. The temperature gradually rose to 62° off the New South Wales coast, and then suddenly to 75° outside Sydney Heads. The vessel was detained in Sydney from the Friday evening to Tuesday morning. Captain Holmes and Mr. Arthur, Chief Engineer, had most kindly provided against this by filling two large clean ballast-tanks with sea-water. The sanitary pumps were changed over on to this supply on reaching the inner harbour, but on three occasions on the Saturday the pump lost its water and the supply-tanks became empty. The return of the water brought with it a deluge of rust and sediment each time, and it was decided to open the sea-cock slightly so as to keep the pump primed. The mortality whilst in the harbour was not excessive, but just before leaving all the stock was in a very low state; even many of the lobsters were lying over on their sides and backs and were quite limp. All soon recovered on receiving a liberal supply

of sea-water.

The ocean temperature gradually fell, and when the coolers were shut off in Foveaux Strait the sea-water stood at 56.5° F. This was also the temperature of the water at Port Chalmers. The "Waimana" made fast to the wharf at Port Chalmers at 9 a.m. on Saturday, 1st March, after a prolonged passage of forty-nine days, and was met on arrival by Mr. G. M. Thomson, M.P., Mr. L. F. Ayson, Chief Inspector of Fisheries, and others. The large claws of the crabs and lobsters had already been secured, and they were at once conveyed to the ponds at the hatchery by the station launch, packed in the same baskets in which they were brought on board. The turbot were removed from the large tanks by means of small muslin nets, and transferred in large tubs to the tanks at the hatchery by the s.s. "Tarewai."

turbot were removed from the large tanks by means of small muslin nets, and transferred in large tubs to the tanks at the hatchery by the s.s. "Tarewai."

The cooling plant was designed and constructed by Messrs. J. and F. Hall, of Dartford, Kent. This consisted of two upright iron cylinders, each 4 ft. 6 in. high by 20 in. diameter. Each of these contained two coils of 1½ in. black-iron pipes. The sea-water was led into these at the top and escaped at the bottom, where a self-registering Kew-tested thermometer was fitted to show the temperature of the water. Each cylinder had two separate three-way cooks for the control of the flow of brine, and these were so arranged that the flow of brine could be reversed in the event of the water nearest the intake becoming frozen; it was, however, never necessary to do so. Mr. H. J. Ward, the manager of Messrs. Hall Limited, took a great interest in the experiment, and allowed one of his staff to accompany the vessel to Plymouth so as to see the plant in working-order. The brine system was so arranged that it could be turned on to the chamber itself if necessary, but this was not resorted to, as it was found that by keeping the door closed the temperature inside the room rarely exceeded 56° to 60° F. The plant proved as effective as

it was neat and simple, and would suffice for a still larger flow of water. A Muntz-metal disc was made during the voyage and fixed with an indicator over each inlet brine cock, and this greatly facilitated the task of maintaining a steady temperature during times of sudden variations. Throughout the voyage I was most kindly allowed the services of Mr. T. J. Harrison, a former second refrigerating engineer of the vessel, whose assistance proved of the utmost value.

In conclusion, I need hardly express my own keen disappointment with regard to the loss of the herring-ova when success was almost within sight. The expenditure on the expedition has been more than justified by the large increase in the breeding-stock of lobsters and crabs—from twenty-seven to 111—and by having demonstrated that it is possible to carry them in about one-half the space that was formerly allowed. It has also proved the possibility of transporting one of the finest of the European flat fishes to this country, and has resulted in the introduction of two hundred turbot to form a breeding-stock from which it is considerably hoped to establish this valuable fish into these waters.

The thanks of the Department are due to the Shaw, Savill, and Albion Company for the free use of the required space, pumping and cooling of the water, and for allowing the vessel to call into Plymouth for the shipment; to Captain Noal, Mr. McCallum, and Mr. Adams, superintendents of the company; to Captain Burville Holmes, and Mr. Arthur, Chief Engineer of the "Waimana"; to Dr. Allen and his staff for collecting and storing the fish, &c.; to Mr. T. Dance and Messrs. Peacock and Co., of Lowestoft, for providing facilities for securing the herring-ova; and to Dr. H. C. Williamson for collecting and supervising the shipment of herring-ova.

The Secretary, Marine Department.

I have, &c., T. Anderton.

TABLE OF TEMPERATURES IN DEGREES FAHRENHEIT.

Date,	Po	sition.		Herri	ng-ova T	anks.		Se	a.	
1913.	Latitude.	Longitude.	Max.	Min.	Ave- rage.	From	То	From	Ťο	Remarks.
Jan.										
12	English Ch	annel	40	35	37.5	53	53	53	53	Received stock, Plymouth, 7 p.n
13	47° 55′ N.	6° 6′ W.	38	32	36	53	53	53	53	, , , , , , , , , , , , , , , , , , ,
14	43° 45′ N.	9° 30′ W.	38	33	36	53	54	53	54	
$\overline{15}$	39° 54′ N.	11° 14′ W.	36	33	35	54	55	54	55	•
16	35° 35′ N.	13° 10′ W.	39	33	35	55	55	55	55	
17	30° 49′ N.	15° 25′ W.	37	34	35.5	55	58	55	60	Put on cooler for fish-tanks.
18	25° 44′ N.	16° 40′ W.	36	33.5	35	63	63	65	67	- I ou out to live to live.
19	20° 31′ N.	17° 26′ W.	37	32	35	63	63	67	63	
20	15° 12′ N.	17° 34′ W.	35.5	34.5	35	56	57	63	73	
$\tilde{2}\tilde{1}$	10° 1′ N.	16° 25′ W.	37	34	35.5	56	56	73	79	
22	5° 47′ N.	13° 0′ W.	- 37	35	35.5	56	58	79	84	
23	1° 53′ N.	9° 45′ W.	37	35	35	55	58	84	- 80	
24	1° 56′ N.	7° 14′ W.	35	33	34.5	57	57	81	81	
25	5° 45′ S.	4° 11′ W.	35	33	35	57	57	80	77	and the second second
$\frac{26}{26}$	9° 49′ S.	1° 10′ W.	39	35	36	56	56	77	77	N
$\frac{20}{27}$	14° 4′ S.	2° 10′ E.	36	• 33	35	55	56	73	72	
		5° 13′ E.	35	33	34.5	55	56	72	71	
28	18° 10′ S.	э 15 Е.	35	33	35	55	56	70	70	
29	••	• •	35	33	35	55	55 i	70	70	
30	••									
31	• •	• •	35	33	35	55	56	69	66	
Feb.	a m		. 00	9.4	9.0	~0	~-	00	~_	G 79 1 1
1	Cape Tow		39	34	36	56	57	66	57	Cape Town harbour water 57°.
2	34° 46′ S.	19° 1′ E.	38	35	35.5	56	53	71	53	Left Cape Town, 4 a.m.
3	37° 40′ S.	24° 11′ E.	36	34	35.5	56	54*	70	63	Aghulas current.
4	40° 13′ S.	30° 40′ E.	37	33	36	54	53	72	62	
5	42° 13′ S.	36° 52′ E.	36	34	35	53	50	58	50	
6	43° 39′ S.	43° 35′ E.	37	33	35.5	50	46	50	46	
7	44° 52′ S.	50° 17′ E.	38	34	36	46	44	46	44	
8	45° 37′ S.	57° 24′ E.	39	34	36	47	43	47	43	
9	45° 24′ S.	65° 20′ E.	37	34	36	50	46	50	46	
10	45° 51′ S.	73° 10′ E.	37	33	34.5	45	43	45	43	
11	46° 31′ S.	80° 45′ E.	36	34	35.5	43	43	43	43	
12	46° 55′ S.	88° 48′ E.	37	34	36	47	45	47	45	
13	47° 9′ S.	96° 29′ E.	38	35	36	46	42	46	42	
14	47° 26′ S.	104° 57′ E.	37	36	36	44	45	44	45	
$\tilde{15}$	47° 29′ S.	112° 39′ E.				46	48	46	48	Abandoned herring-ova.
16	46° 50′ S.	119° 53′ E.				49	52	49	52	zzoanaonoa norimg ova.
17	45° 11′ S.	127° 11′ E.				52	53	52	53	
18	42° 41′ S.	133° 47′ E.				54	56	54	58	Put coolers on to fish-tanks.
19	40° 11′ S.	140° 11′ E.	::			56	56	58	61	The coolers on to hair-banks.
20		rne Heads		••		56	57	62	63	Filled two ballast-tanks for Syd
21	New South	Wales Coast				57	56	62	75	ney. Sydney, 11 p.m. harbour wate 71°.
22	Sydney Ha	rbour				55	56	69	71	Part ballast-tank and part harbo water.
23						55	56	73	71	Ditto.
$\frac{23}{24}$,,			••	• •	56	57	75	75	More ballast-tank and less harbo
4±	,, ,	••	٠٠.	• • •	• •		•			water.
ຄະ						56	57	75	76	
25	,,	•••		•••	• •	56	56	71	64	Left harbour 6 a.m., sea-water 76
26		• • •	• • •	•••	• •	55	56	63	57	
27	T 04		••	• •	• •					Shut off coal
28	Foveaux St		• •	• •	• •	55	56 56·5	57	56.5	Shut off coolers.
lar.l	Port Chalm	ers	••	••	• •	56.5	90.9	56.5	56.5	Port Chalmers 9 a.m. No change of temperature on being transferred.

^{*} Reducing temperature of tanks to meet colder currents. Shut off coolers from fish-tanks.

SIR,-

The Marine Engineer to the Secretary, Marine Department.

The MARINE ENGINEER to the SECRETARI, Marine Depart

Wellington, 7th July, 1913.

I have the honour to report as follows on the various works dealt with during the year ended 31st March, 1913.

Tuahine Lighthouse.—During the past year some difficulty was experienced through the advent of sand-flies into the interior of the lantern, which caused the extinction of the pilot light. This has been rectified by placing gauze screens over apertures through which they obtained entrance.

Hokianga.—Kohukohu breastwork: The timber breastwork for the protection of reclamation in front of the township has been completed. It has also been extended about 20 ft. at one end to connect with the wharf.

Cattle-landing: The construction of a cattle and horse landing close to the wharf is now in hand. This is necessary owing to the muddy nature of the foreshore preventing animals being landed from boats unless a causeway is made.

Launch-landing: The development of the motor-launch has resulted in the employment of a very large number on the Hokianga and its tributaries. Owing to the considerable range of tide it has been found necessary, for the safety of passengers and easy landing or shipping of light goods, that a landing-stage be constructed. This is now in hand. It consists of a floating pontoon connected with the wharf by a movable gangway.

Timber Company's breastwork: Owing to the small extent of flat land available, the Kauri Timber Company found it necessary to carry out a small extent of reclamation in order to provide a site for their mill. In order to protect this reclamation from the action of the harbour water it was necessary to construct a breastwork, which was duly carried out in timber. This having fallen into decay, and as the mill has been closed, an examination of the breastwork was made and a report prepared on repairs necessary to put it into good order.

Awanui.—Several applicants for leases of foreshore in the same place not being able to agree amongst themselves as to the division of the foreshore into suitable lots, the place was examined and a report prepared with recommendations.

Cape Brett.—Some slight differences in the coast-line and its position as shown on the Admiralty chart having been discovered, an amended chart of the coast in the vicinity of Cape Brett has been prepared for the information of the Admiralty. Recent surveys in connection with the new lighthouse-site enabled this to be done accurately.

Mangakahia River.—This river was inspected during the past summer, and a report prepared on the positions of snags and bars which proved obstructions to navigation.

Taheke River.—This river was also examined and a report prepared, as in the case of the preceding river.

Kaipara and Northern Wairoa.—Shelly Beach beacon: The erection of this structure was completed during the year, a light apparatus installed and the light duly shown. Considerable difficulty has, however, been experienced in connection with this apparatus, which generates acetylene gas direct from the carbide. The question of its replacement by a light on the Aga principle is now under consideration.

Beacon Beach beacon: A survey is in hand of the site of this beacon, which will be of similar construction to that recently erected on Shelly Beach.

Jack's Point: The removal of rocks in the Northern Wairoa River at this place has been reported on, and the erection of a lighted leading-beacon through the channel has been recommended, as entailing far less cost than removing rocks.

Mititai: The deepening of the river opposite the Mititai Wharf, where some silting has occurred, has been reported on and recommendations made.

Whakapirau Wharf.—This structure has been examined, and a report prepared on repairs necessary to put it into good order.

Wade River.—Some dredging carried out by local authority by virtue of a grant made by the Marine Department has been completed, and the work examined and duly reported on.

Matakana Harbour.—Some dredging in this harbour to improve the approach to the wharf is now being carried out by the Marine Department.

Whangapoua Wharf.—This structure was examined and necessary repairs duly reported on.

Tairua Wharves.—These also were examined and reported on.

Chicken Island Light.—At the date of the last annual report the site and the access tracks had been completed. Since the iron pedestal to receive the light apparatus and shelter the gascontainers has been completed by the contractors, it, together with the apparatus, have been

shipped to the island, and their erection is now in hand.

Ponui Lighthouse.—During the past year a scow came into collision with the lighthouse structure, smashing one of the cast-iron piles and supports. Repairs are now being carried out in reinforced concrete.

Channel Island Light (Watchman).—A report has been prepared in connection with the installation of a light on this island, and an estimate supplied of the cost.

Omaha.—Some dredgings having been deposited which are alleged to cause an obstruction to the approach to the Leigh Wharf, the position has been examined and a report prepared.

Motuihi Wharf.—Repairs required to this structure have been duly reported upon.

Mahurangi.—An examination of the river has been made, and dredging necessary to improve the approach to the wharf has been reported upon and recommended.

Auckland.—Kawakawa Bay, Sandspit District: A report has been prepared on the erection

of a wharf at this place.

Naval base: A conference has been held with officers of the Defence Department regarding requirements by the Defence Department, and a report duly furnished.

Meola and Motion's Creeks: The construction of a road crossing over these creeks has been

reported on.

Hobson Bay: Complaints regarding the sewage outfall have been inquired into and duly reported on.

Turanga Creek Wharf: Plans and specifications for this structure have been prepared, a contract let, and the work has been completed.

Bean Rock Lighthouse.—The automatic light apparatus has been installed in position and the characteristic of the light changed to occulting. The light has been handed over to the control of the Auckland Harbour Board.

Manukau Harbour.—The roading of an endowment block was reported on; the construction of the roads entrusted to the local authority, and duly completed.

Waikato River.—Investigations are now in hand with a view to reporting upon conservation works required in this river between Mercer and the sea for the purpose of deepening the navigable channel.

Ngaruawahia.—A report was prepared on the question of the removal of an old wharf at this place.

Waihou River.—The removal of the Te Puke Wharf to a position lower down the river below the bridge under construction, connecting the Netherton Settlement with Paeroa, has been investigated. A survey of a suitable site has been made, and plans of a new wharf partially completed.

Marakopa.—A site for a new wharf was surveyed, and drawings of a suitable structure prepared.

Tauranga.—Wairoa River: This river was inspected for a considerable distance for the purpose of reporting upon the removal of snags and sandbars so as to improve navigation.

Judea: A proposal having been made by the inhabitants for the reclamation of a tidal swamp at this place, the locality was inspected and the whole question carefully considered, and an adverse report prepared, in view of the detrimental effect on the tidal scour at entrance to the Tauranga Harbour.

Whakatane.—A survey of this harbour was made, plans prepared, and also a report as to works required to improve the entrance, so as to provide a permanent entrance channel instead of the present shifting one.

Opotiki Harbour.—A survey was made and a report prepared of works required to improve the entrance.

Ohiwa.—A survey has been made and a report prepared upon the construction of a wharf at Kutarere, together with approach road and dredging of the channel leading thereto.

Mohaka.—The entrance to this river was inspected, and a report prepared upon improving the channel immediately inside the bar.

Flat Point Lighthouse.—A report has been prepared on the erection of a lighthouse at this place, furnished with an automatic light. An estimate of cost of carrying the work out has also been prepared.

Awakino River.—The channel near the entrance to this river has been improved by a slight deepening through a sandstone bar.

Raglan.—The erection of a new wharf has been reported on.

East Cape Lighthouse.—Plan of a boat-shed to be erected on the mainland for the sheltering of the boat used by the mailman has been prepared.

Castle Point Lighthouse.—The lighthouse and dwellings, the construction of which were in hand last year, have been completed, together with all the rest of the works, and the light was exhibited first on the 12th January, 1913. In addition to the lighthouse work proper, a foot suspension bridge has been erected over the Whakataki River, to enable the keepers' children to obtain access to the local school.

Wellington.—Marine Stores: Plans have been prepared for the erection of a new store in the new yard, the present yard having to be vacated through the land being required by the Railway Department. Tenders will shortly be invited for its erection.

Meteorological Observatory: The erection of a new observing-station at Pipitea Point has been completed during the year.

Queen Charlotte Sound.—Grove Wharf: Repairs have been effected.

Pelorus Sound.—Paradise Bay Wharf has been examined and reported on.

Beef-barrels.—An estimate has been prepared for a bell buoy to be placed on the above Beef-barrel Rocks as a warning. A report has also been furnished, with estimate of cost, on erecting a beacon on Okuri Point, on the mainland, for the purpose of acting as a leading-light past these rocks.

Totaranui Wharf.—The erection of this structure has been reported on and estimate of cost furnished.

Nelson Lighthouse.—A new roof has been constructed to the assistant keeper's dwelling.

Nelson Harbour.—A further detail report has been prepared at the instance of the Harbour Board, advising as to the best means of carrying out the works recommended in a report prepared last year.

Westhaven.—The cost of a resurvey of the channel inside the bar has been reported on, and arrangements have been made to have the work carried out.

Karamea.—An extension of the training-wall forming the third section has been carried out during the past year. Repairs have been effected to the part of the wall previously constructed.

Otumahana Stop-bank: A portion of a stop-bank across the channel connecting the Karamea River with the Otumahana Lagoon was considerably damaged by a flood. The extent of the damage was investigated and a report duly prepared.

A survey of the entrance to the harbour was made for the purpose of bringing the chart up to date. A report was prepared upon the question of removal of gravel from the river's banks.

Little Wanganui.—Some additions to the wharf at this place were carried out during the year.

Lake Brunner.—A report was prepared upon obstructions caused by sawmills to the proper and safe access to a launch-slip which has been constructed.

Cape Campbell Lighthouse.—The road along the beach giving access to the lighthouse at low tide has been improved by the removal of a number of boulders in one place.

Kaiapoi.—Improvement-works at the mouth of the Waimakariri River were examined and reported on.

Sumner.—A report has been prepared on a proposal to erect a bridge across the estuary to provide short means of communication between Sumner and New Brighton.

Godley Head Lighthouse.—A road giving access to the lighthouse from Evans Pass has been surveyed preparatory to putting construction-work in hand. The existing track to the fog-signal has been repaired. A new track has been surveyed, and plans and report are in course of preparation. This work is considered necessary owing to the numerous slips which have occurred along the existing track. These slips consist principally of boulders detached from the cliff-face by the action of the weather, and which threatened danger to the attendants while going to and from the fog-signal. Repairs have been effected to the fog-signal apparatus.

Okain's Bay.—It having been alleged that a chute constructed over the river at this place caused an obstruction to navigation, an investigation was made and a report duly prepared.

Taiaroa Heads.—Repairs have been effected to the fog-signal.

Brighton.—The construction of a boat-harbour at this place has been reported on.

Nuggets.—Some time ago the fishermen's landing at this place was improved by the removal of some rocks, the building of a groyne to cause silting up of the foreshore by sand, and the establishment of an oil-engine winch for the purpose of hauling up the fishermen's boats. These works having proved very successful, the fishermen at once increased the size of their boats, and others joined in the trade, so that it became necessary to increase the power of the winch. This has been done during the past year.

Invercargill.—The site for the erection of a septic tank was examined and reported on.

Stewart Island .- Half-moon Bay Wharf has been examined and reported on.

Plans and specifications for the approval of the Marine Deartment have been examined and reported upon as follows:—

Wharves.—Hokianga: Rangiora—extension of jetty, and connection of another one; Rawene—additions to and removal of shed; Kohukohu—additions, also latrines on wharf. Russell: Additions, also office building for Northern Steamship Company. Northern Wairoa: Dargaville—breastwork for Mr. D. McLaren; Mititai—extension; Aoroa—new wharf; Kaihu Creek—Mr. G. Bailey's wharf; Te Kopuru—extension of Mr. Chadwick's. Warkworth: Shed on wharf. Auckland: Hobson Street—widening, also breastwork between Nelson and Hobson Streets; Freeman's Bay—Messrs. Gammon's landing, and landing for Messrs. R. O. Clark (Limited); Riverhead—Mr. C. S. Mackie's wharf, also upper wharf; Barry's Point—breastwork; Customs Street West—quay-extension for Kauri Timber Company. Manukau: Waiau Pa wharf. Paeroa: Gold-extraction Company's. Tauranga: Additions. Gisborne: Erecting new wharves. Raglan: New wharf at Ruakiwi. Foxton: For boats at Heads. Wellington: Ferry Wharf—extension; Waterloo Quay—staging north end breastwork extension; Glasgow Wharf—extension. Pelorus Sound: Forsyth Island—new wharf. Nelson: Extension. Lyttelton: Jetty No. 8. Akaroa: New jetty. Port Chalmers: Sheer-legs Wharf. Bluff: Oyster Wharf.

Reclamations.—Auckland: Between Nelson and Hobson Street jetties; Chelsea; Freeman's Bay (small area). Manukau: Mangere—recreation-ground; Otahuhu—recreation-ground. Wellington: Kilbirnie—recreation-ground. Sumner: Widening tramway-bank.

Foreshore Lease .- Whangapoua: Site for new wharf.

Bridges.—Northern Wairoa: Kirikopunui River. Waihou River: Netherton Bridge. Gisborne: Waimata River.

Rivers.—Ngunguru: Dredging of channel. Wade: Deepening of channel. Waikato: Training-works for improving channel between Mercer and the Heads.

Harbour-works.—Whangaroa: Tide-wall for Mr. Lane. Waipu River: Extension of north training-wall. Auckland: Freeman's Bay—tide-deflector. Thames: Tide-deflector. Gisborne: Breakwater extension, also dredging new basin. Wanganui: Extension of river training-wall. Westport: Slipway. Greymouth: Extension on north breakwater. Hokitika: Extension of moles. Timaru: Eastern breakwater extension. Dunedin: Boat-harbour.

Boat-sheds and Skids.—Auckland: Freeman's Bay—slipway for Mr. A. Henderson; St. George's Bay—boat-shed, also slipway. Wellington: Evans Bay—boatshed for G. Dennes. Picton: Boat-shed for G. Beswick. Kaikoura: Boat-slipway. Invercargill: Boat-sheds,

Waihopai River.

Miscellaneous.—Hokianga: Rangiora—timber-booms. Rawene: Sewage-disposal. Kawakawa: Timber-booms in Tirohanga River. Kaipara: Stone-bin at Greenhill. Helensville: Sewer crossing Awaroa Creek. Mata River: Timber-rooms. Auckland: Approach road Nobel's explosives store; positions of telegraph-cables; s.s. "Iris," cable-tank. Waihou River: Removal of sand. Waikato: Te Omatea River—removal of willows. Tuahine Lighthouse: Alteration in light arc. Wellington: Kiawarra—sewer outfall. Sumner: Sewer outfall, also artesian well. Lytelton: Dredge-mark beacons, and Teddington Channel beacons. Invercargill: Sewer outfall.

R. W. Holmes, Marine Engineer.

RETURN SHOWING THE TOTAL ORDINARY EXPENDITURE OF THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED THE 31ST MARCH, 1913.

Na	ture of E	xpendi	ture.			Detail	ls.	Tota	ls.	Grand To als.
						£	s. d.	£	s. d.	£ s. c
Head Office salaries	• •	• •			••.					2,760 3
Iarbours :— Manukau,—			*		- 1					1.1.
Salaries						549	3 4			
House allowan	ce of Ha		naster			24	0 0	1		
Stores and con	tingenci	es		• •	••	204	7 3		10 7	
Hokianga,—					.	495	0 0		10 7	
Salaries Overhauling la	 unch	• •	• •	• •	::	56				1
Stores and con	tingenci	es				117				
Kaipara,—	C				-		 -	- 669	7 3	
Salaries			••	• •	••	715	0		.7	Profession from
House allowan	ce to Ha	rbourn		• •	••	26	$\begin{bmatrix} 0 & 0 \\ 5 & 10 \end{bmatrix}$		-	
Stores and con Hauraki Gulf,—	tingenei	es	• •	• •	•••		,0 10	957	5 10	
Inspection of l	eaches							84		
Tauranga,—					-			- '		
Salary					••	31				
Stores, &c.	• •	• •	• •	• •	•••	. 9	14 6		19 6	
Tongaporutu,—						25	0 0	- ***	10 0	
Salary Boatshed	• •	• •	• •			20	0 0			
Stores, &c.		• •					19 9			
Opunake,—									19 9	
Salary				• •	•••			25	0 0	
Whangaparapara,-	-					26	0 0	-)		
Salary Contribution to	 . Custon	a. Den	ortment			10	0 0			
				• •		11	3 11			
Mokau,—	•							47		
Salary			• •	• •	••			50	0 0	
Awakino,—						90	0 0	-		
Salary	• •	• •	• •	• •	••		$\begin{array}{cc} 0 & 0 \\ 18 & 0 \end{array}$			
Stores Marakopa,—	• •	• •	• •	• •	••				18 0	
Salary						10	0 0			
			••			6	0 0	1		
Stores			• •		••	0	10 0	1.0	10 0	
Picton,—					;—	250	0 0	- 10	10 0	
Salary House allowan	• •	• •	• •	• •	• •	$\frac{250}{25}$	0 0			
Diffenbach Poi		n.		• •		22	1 0			
			• • •			34				
Nelson,—				•					14 6	ĺ
Salaries of sign	almen		• •		• •			20	0 6	
Waitapu,—					<u> </u>	25	0 0	-!		
Salary	• •	• •	• •	• •	••		12 0			
Beacons Puponga,—	• •	••	••	••				_ 28	12 0	
Stores and oil								4	10 0	
Collingwood,—								-	•	
Salary		• •	• •	••	••	60				
Snagging	• •	• •	• •	••	• •	20 14	$\begin{array}{ccc} 12 & 6 \\ 0 & 2 \end{array}$			
Stores, &c. Karamea,—	• •	••	• •	••	••	14	U 4	94	12 8	
Karamea, Salary						120	0 0		3	
Shifting beacon			• •			44	17 - 0			
Stores, &c.			••			28	11 7		· -	· ·
Little Wanganui,—					ļ			$\begin{bmatrix} 193 \\ 12 \end{bmatrix}$		
		• •		• •		• •	-	_ . 12	0.0	
Greymouth,— Salary of Hark	our Ene	rineer*						400	0 0	
Okuru,—	our mith	,444.UU1 "	••	••				-	. 0	
Salary			٠.,			72				
Stores, &c.			• •	• •	• •	9	16 7		· c =	
Okarito,—						120	0 0	- 82	6 7	
Salary Cutting channe	 2)	••	••	••	••	120	3 0	1		
Cutting channe Stores, &c.	••	• •		• • •	::	51	2 5			
Waikawa,—	••	••	• •	••				186		
Salary								10	0 0	
·					ļ			•		
lary of storeman		• •	• •	• •	••	215				
on buoys	• •	• •	• •	• •	••	$\frac{146}{172}$	$\begin{array}{cc} 11 & 0 \\ 7 & 10 \end{array}$	1		
noy-chain	··	••	. • •	• •	••	48				
eneral (buoys and repores, &c.	airs)	• •		• •		150		İ		
ATOS, 000	• •	••	••					. 733	1 10	
										4,842 15 1

^{*} Refunded by Greymouth Harbour Board.

RETURN SHOWING THE TOTAL ORDINARY EXPENDITURE OF THE MARINE DEPARTMENT, ETC.—contd.

Nature of E	xpendit	are.			Details.	Totals.	Grand Totals.
ighthouses:—					£ s. d.	£ s. d.	£ s.
Salaries of keepers	••				11,194 14 9		
Oil	• •	• •		• •	$\begin{bmatrix} 1,237 & 10 & 8 \\ 4,289 & 18 & 1 \end{bmatrix}$		
Stores and contingencies Lighthouse Expert	• •			• •	260 0 0		
Light-keepers' travelling-ex		• • • • • • • • • • • • • • • • • • • •	• • •		268 3 6		15.050 5
eteorological Office :							1 7,25 0 7
Salaries					1,214 10 0		
Postage and telegrams		• •	• •		1,111 13 3		
Wireless telegrams Instruments and repairs	• •			::	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
Rent		• • •	• •		140 0 0		
Cleaning offices					24 0 0		
Office equipment	• •	• •	• •	••	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
Telephones Contingencies				:	54 6 9	ĺ	
-				-			3,048 11
ercantile marine offices :— Salaries					4,310 15 5		
Rent				••	150 6 8		
Telephones	••	• •	• •	••	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
Cleaning offices Equipment, &c., of new off	ice. Lyt	telton	••		70 11 0	-	
Travelling-expenses			••		44 12 11		
Contingencies	••	• •	• •		39 19 6		4,775 4
otection of fish and oysters :-	_			j-			τ, πυ 4
Salaries of Inspectors					1,009 18 7		
Picking and sale of oysters					$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
Planting oysters in Haurak Casual labour	ı Gun		• •	•••	47 6 0		
Collection, &c., brown-trou	t ova		• •		106 8 5		
Grant for maintenance, Po				į	905 0 0		
Salaries Repairs, &c	••				$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
Importation of Atlantic-sal	mon ov		• • •		3 12 6	. [
Importation of herring, lob	sters, &	c	• •		277 16 4	ļ	
Stocking Westland rivers v			••		$\begin{bmatrix} 70 & 3 & 6 \\ 433 & 17 & 7 \end{bmatrix}$		
Travelling-expenses Contingencies	• •	• •			53 11 11	Ì	
Hakataramea Salmon Stati							
Salaries	••	• •	• •	••	$egin{array}{cccccccccccccccccccccccccccccccccccc$		
Working-expenses	••	• •	• •	-			6,738 17
							39,415 19
Less recoveries					••		1,124 15
Total							38,291 4
10041	• •	••	••	••	••		
overnment steamers:-	o no 4				180 0 0		
Installation of wireless app Working-expenses, s.s. "H	aratus inemos	,,		:.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		
			• • •		177 7 6		
Working-expenses, s.s. "T	utaneka	i"	• •	• • •	1,951 8 4		
Repairs to decks, &c., s.s. Expenses, training-ship " A	Lucan	ekai	• •	•• \	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
Repairs. &c., training-ship	" Amok	ura "	• •		1,115 0 0		. 00 000 0
Less cable service			aes po				$ \begin{array}{cccc} 20,360 & 2 \\ 1,713 & 6 \end{array} $
Hess cante service	~, 1101811	, Pussal	,,		••		
in- miggallancous sammis				-			18,646 15
arine miscellaneous services :- Departmental travelling-ex	penses				40 6 4		
Administration of Shipping	and Sea	men Act	, and inq	uiries	482 14 9		
into shipping casualtie Audit fees for inspection of	s faccour	ts.			50 0 0		
Buoys and beacons,—	. woodul		••				
Jackson's Head				•••	84 1 7	1	
Kaipara Harbour	• •	• •	••	••	449 8 8 92 9 3		
Cartage and freight Charts, books, &c		• •			539 19 9	İ	
Castle Point Wharf					250 0 0	ļ	
Checking overcrowding of Expenses of burial of decea	steamer ised sea	s man (L.	R. Dome	y) at	$\begin{array}{c cccc} 420 & 19 & 7 \\ 2 & 0 & 0 \end{array}$		
Westport Expenses of burial of dece				1	10 10 0		
of s.s. "Mullogh"			Darkess)	,, 1000			
Grant for repairing Half-m	oon Bay	Wharf	••	••	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
Grant to Westland Acclimate Extra clerical assistance	tizatior	occety		:	28 0 0	1	
Grant for renewing Turang	a Creek	Wharf	• •		172 4 0		
				1	50 0 0		
Grant for repairing Karita Grant to British and Fore	ne Jetty	7 1	. d	lding	250 0 0	1	

RETURN SHOWING THE TOTAL ORDINARY EXPENDITURE OF THE MARINE DEPARTMENT, ETC.—contd.

	Nature of Expendi	ture.		Detail	s.	Tota	ls.	Grand To	tals.
Marine miscellaneous	services continu	and .		£	s. d.	1	s, d.	£	s. d
	n's Hospital, Gree		į	. 7	7 0	£	s. u.	x.	s. d
Fog-signals card	ridges &c	I WIOII		105	9. 7		,		100
Improving Grah	ridges, &c am's Beach Whar	•	••	50	0 0				• , · i.
Launch for Inst	ector of Fisheries	and Reaches A	nokland		19 6				
Legal expenses	· · · · · · · · · · · · · · · · · · ·		dokiand		19 5	1			***
	glem Point light	••	••		15 8			12.1	
	etween French Pa		'a Hood		7 6	N			
Morse signals at	lighthouses	iss and Jackson		15		İ			
" New Zealand	Nautical Almanac	"	••	419					
Office equipmen		••		94					_ :
Postage and tel				445					
Preparation of t			••		15 0				
Printing and sta		••	•		8 11				
Prosecutions un	der Marine Acts		• •	74	1 7				
Relief of distres			• • .	106	3 2				
	ssed New Zealand	l seeman and c	there in		16 10	1		1	
United Kin		i scamen and c	oners in	00	10 10				
	s for Foxton Harl)Our		Q.	16 10	1			
	Royal Naval Re			10					
	nses connected wi			15	7 6				
	kohe Wharf repai		' :	80					
	aworthy ships				12 6				
Telephones	aworiny ships				13 10	Į.			
Contingencies		•••	••		18 6				3.3
Continuaciones	••	••	••		10 0	6.946	14 6		0 ⁷
Legg re	coveries					515			
10001		••	• •	• •		515		6,431	13
	•	-				1		J, 101	
G	and total					1		£63,369	13

RETURN SHOWING TOTAL COST OF MAINTENANCE OF THE NEW ZEALAND COASTAL LIGHTHOUSES DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1913.

				Oil co	onsumed.	Stores	
Name of Lighthouse.		Salaries		Gallons.	Value.	and Contingencies.	Totals.
		£ s.	d.		£ s. d.	£ s. d.	£ s. d.
Cape Maria van Diemen		389 0	0 -	695	28 19 2	104 16 6	522 15 8
Cape Brett		407 19	5	624	26 0 0	91 19 0	525 18 5
Mokohinou		356 11		810	59 1 3	205 14 8	621 7 7
Tiritiri		269 4	2	506	36 17 11	93 6 7	399 8 8
Bean Rock		75 16	8	64	2 13 4	(a)332 10 2	411 0 2
Ponui Passage		110 19	10 -	80	5 16 8	(b)103 6 10	220 3 4
Cuvier Island		416 13	4	694	28 18 4	(c)244 17 7	690 9 3
East Cape			10	873	63 13 1	(d)165 10 2	566 8 1
Portland Island		369 16	8	757	55 3 11	169 7 11	594 8 6
Napier Bluff		20 0	ŏ	Gas	14 0 0	1 11 6	35 11 6
Castle Point		213 0	Ŏ	127	5 5 10	1 11 0	218 5 10
Cape Palliser	• • •	307 10	ŏ	624	26 0 0	95 4 9	428 14 9
Pencarrow Head	• • •	296 13	4.	601	25 0 10	39 11 7	361 5 9
Somes Island		300 0	õ.	632	46 1 8	43 14 0	389 15 8
Cape Egmont	•	277 10	ŏ	548	22 16 8	74 17 1	375 3 9
Manukau South Head	• • •	300 0	0	598	43 12 1	77 5 0	420 17 1
Manukau South Head leading-lights	• • •	000 0	0 .	162	11 16 3		11 16 3
Manukau North Head leading-lights		130 0	0	279	20 6 10	(e)104 12 1	
Kaipara Head		233 15	8	562			254 18 11
D 11	• •	470 12	7	728	30 6 8		473 14 8
m - Ot - 1 1 - 11 - 11 - 11 - 1	• •	100 0	ó	183	13 6 10	204 19 4	705 18 7
0 0 111	• •	270 0	0	660	27 10 0	100 15 7	113 6 10
C 31. TT 3	• •	290 0	0	587	42 16 0	109 17 5 82 14 8	407 7 5
Alamana TTanad	• •	310 0	0	604			415 10 8
Ta ala'a Dain4	• •	150 0	Ö	333	0 10	75 11 11	429 12 9
M1-:	• •	285 0	Ö	584		37 18 0	201 15 6
m ' Tr. 1	• •	290 0	0	621		(f)145 3 9	472 15 5
0 0 1	• •	260 0	0	,	0 .	67 15 11	403 1 6
M Daint	• •	405 0	0	648		74 12 0	361 12 0
Nugget Point	• •	263 6	8	721	30 0 10	142 2 5	577 3 3
Waipapapa Point	• •			778	32 8 4	(g)114 12 9	410 7 9
A	• • •		11	757	55 3 11	107 13 1	577 1 11
Centre Island	• •	426 1	8 .	642	26 15 0	82 6 11	535 3 7
Puysegur Point	• •	384 19	2	637	26 10 10	81 12 9	493 2 9
Cape Foulwind	• •	292 10	0	574	41 17 1	203 4 2	537 11 3
Hokitika	• •	20 0	0	Gas	11 11 0		31 11 0
Kahurangi Point	• •	372 15	4	1,000	72 18 4	(h)171 10 4	617 4 0
Farewell Spit			10	718	29 18 4	150 13 9	612 19 11
Nelson	٠.	359 7	1	251	18 6 0	(i)145 9 2	523 2 3
French Pass		187 10	0	184	13 8 4	25 14 3	226 12 7
Stephens Island	• •	399 3	IJ	689	28 14 2	119 0 8	546 18 9
Totals	••	11,194 14	9	21,155	1,237 10 8	4,289 18 1	16,722 3 6

⁽a) Includes £297 2s. 4d. for installation of automatic light. (b) Includes £39 17s. 6d. for repairing damage done by scow. (c) Includes £143 15s. 3d. for repairs to dwellings and new fences. (d) Includes £30 15s. 6d. for new boatshed. (e) Includes £43 2s. for forming new road. (f) Includes £72 15s. 8d. for new sheds. (g) Includes £33 0s. 1d. for fencing. (h) Includes £64 for cartage of stores. (f) Includes £70 for repairs to assistant keeper's dwelling.

RETURN SHOWING THE COST OF ERECTION OF RETURN SHOWING THE AMOUNT OF LIGHT DUES THE NEW ZEALAND COASTAL LIGHTHOUSES.

Name of Lighthouse.		Cost of Ere	etio	n.
		£	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		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
Mokohinou		8,186	5	0
Waipapapa Point		5,969	18	11
Ponui Passaget				
Kaipara Head		5,571	8	0
French Pass		1,427		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		9
Cape Brett		11,237	3	5
Castle Point		9,332	2	9
Chicken Island (building)		961	4	1
Cost of telegraph-cable to Tiritiri		1,085		6
Miscellaneous and unallocated		1,322	2	2
Total		£213,753	5	4

* 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, ETC., 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, 1913.

Nature of Receipts.	Amo	unt	
Shipping and Seamen Acts:—		s.	d.
Fees for engagement and discharge of sea- men, and sale of forms	3,329	10	2
Surveys of steamers and sailing-vessels	3,258	10	0
Measurement of ships	36	2	6
Examination of masters, mates, and engineers	461	7	6
Light dues	41,406	7	4
Sundry receipts	658	10	8
Merchant Shipping Act	190	11	0
Pilotage, port charges, &c	1,786	13	-0
Foreshore rents, and shingle and sand permits			5
Sundry receipts Fisheries Acts:—	231	10	0
Sale of oysters	5,234	7	4
Sundry receipts	373		
Total	£57,756	3 17	11

COLLECTED DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1913.

	Port.	· ·	Amount collected
			£ s. d.
Auckland .			15,094 1 5
Coromandel		- 11	18 8 10
Onehunga			132 14 10
Whangaroa			12 18 5
Whangarei			188 3 10
Russell	- II		54 15 10
Whangape			0 6 10
Mangonui			0 15 10
Whangaparapara			27 6 10
Hokianga			47 1 1
Kaipara			137 0 5
Thames			67 7 7
Tauranga			43 15 4
Poverty Bay			807 9 3
Napier	••		1,172 11 2
New Plymouth	••		160 14 10
Waitara	••		260 14 10
Wanganui	•		239 3 11
Patea			19 11 6
Wellington	• • • • • • • • • • • • • • • • • • • •		10,371 17 10
Wairau	• • • • • • • • • • • • • • • • • • • •		19 12 6
Picton	•		516 15 2
Nelson			437 15 2
Westport	•••	•	790 3 1
Greymouth	•••		367 9 7
Hokitika	•	• • •	2 16 1
Lyttelton	••	• •	3,736 17 4
Timaru	••	••	529 6 0
Oamaru	••	••	198 13 4
Dunedin	••	• •	2,663 16 6
Bluff and Inverca	rgill	•	3,340 7 11
			41,460 13 1
· L	ess refunds	• •	54 5 9
Total	••		£41,406 7 4

RETURN SHOWING THE AMOUNT OF PILOTAGE, PORT CHARGES, ETC., COLLECTED DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1913.

Name of Port.	Pilot	age.		Port (Charg &c.	ges,		Tota	ul.	_
	£	s.	d.	£	s.	d.	٠ ا	3	s.	đ.
Auckland* .	6,092				3 4	10	14.	975	16	2
Onehunga	2		10	25	4 13	10		257	0	8
Hokianga	10	15	. 9					10	15	9
Kaipara	458	8	11	66	7 18	1	1,	126	7	0
Thames*	46	14	6	17	7 15			224	10	3
Gisborne*	203	19	1	4,24	1 8		4,	445	7	9
Wairoa*	217	7	6	13	0^{-11}			347	18	10
Napier*	1,046	17	10	6,69	7_{15}	- 3	7,	744	13	1
N. Plymouth*	472	18	6	43	1 15			904	13	10
Waitara*	115	9	0	24	8 5	:11		363	14	11
Wanganui*	908	15			4 11			243	6	7
Patea*	75	11	7		6 6	0	. :	81	17	7
Foxton*			1				٠.	* • •		
Wellington*	238	6		19,22				458	9	4
Picton	84	12	8	20	9 9	. 11		294	2	7
Wairau*	550	8	8		• • •	٠.		550	8	8
Nelson*		12	.9	.1,10	7 19	2	4,	936	11	11
Westport*	524	2	0	'	• • •			524	2	0
Karamea	98	7	0			٠		98	7	0
Hokitika*				†2				25	5	11
Lyttelton*	13,722		2				21,		13	2
Timaru*	3,525	19	4					776	19	5
Oamaru*	\			†2,80				807	13	4
	11,405			10,88				291	1	2
Bluff*	4,194	3	7					144		9
New River*					5 4	: 2		. 5	4	2
Totals	47,824	12	4	71,65	1 12	6	119,	476	4	10
* Harbo	ır Board	re	ven	ue.	† To	nna	ge dr	les.		

RESPEC	TIVELY	, TOGETE	IER WITE	RESPECTIVELY, TOGETHER WITH THE AMOUNT		OF LEEKS REC	RECEIVED	FOR THE	SAME,	DURING	u ana	LINANCIAL		LEAK ENDED THE	3.810	MARCH, 1319.	.61	
		Engagements and Discharges in Foreign and Intercolonial Trade.	s and Dis	harges in ial Trade.	Eng	Engagements an Home	its and Discharges in ome Trade.	ges in	Enga	Engagements and Discharges in Restricted Limits.	d Discha 3 Limits.	rges in	Total E	Total Engagements.	Total I	Total Discharges.	Gran	Grand Totals.
Port.	Number of	Number of Seamen engaged.	Muniber 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.
		ક 	. d.	£ 8.						z		s,		ž				
Auckland		<u>-</u>	0,	183 6	2,557	£ 1		181 9 6	407	24.11 0	417	25 8 6	<u>ي</u> م	6	5,692	4.	11,303	
Dunedin and Port Chalmers Greenouth	ners 1,	153 104 17	6 11,182	2 102 0 6 3 19 6	1,726	0 2 2 0		23 4 7 5 8	:	:	:	: :	2,879	212 8 6		225 4 6 11 8 0	508,0 408	27 13 27 15
Hokianga	: :	17 1 5	6 12	0 18	900		φ,	0 20	: :	:	:	:	25	13		· 67 /	23	
Hokitika	:	1	:6	1:	:-	:-	la	9 1 2	:	:	:	:	::	: 8	- oç	9 9	149	
Kaipara	: :	40 20 20 60 60	26	3 1 19 0	24	1 12 6	34.	2 1 6	: :	: ;	: :	: :	49	_		4.00	124	7 19
Lyttelton	:	4	6 543	4	1,437	14		95 0 0	58	11	59	14	2,152	_	1,936	19	4,088	
Napier	:	63 4	68 7	9 2 18 6	407	24 16 0	394 2	23 16 6	40.	3 6 0	<u>4</u> 5	8 E	524	32 6 0 39 10 6	487	29 18 0	1,011	
New Plymonth	: :	# :	: :	: :	33	. 4		1 16 0	9 :	٠ :	9 :	• :	31	14	35	16	83,	
Oamaru	:	17 1 5	6 17	7 1 5 6	43	18	-	_	:	:	:	:	99	4	97	2 15 6	100	
Onehunga	:	•	:	•	504	က္ ပူ			:	:	:	:	504	32 3	492	r¢ c	966	დ 1 დ 1
Fatea	:	0 61	: =	: 2	90		- C4 - C2	2	:	:	:	:	96	1 16 0	g 6	2 8 0	101	
Poverty Bay	: :	8 0 12	0 0	210	186	4.	146	9 6 6	: :	: :	: :	: :	194	12 16 0	214	14 11 6	408	
Tauranga	:	:	:	:	:	: :	:	::	:	:	:	:	:		:	. 61	: "	: _
Thames	:	4		. 6 . 2	° 6%	0 13 0	0 00	0 17 0	:	:	:	:	13.9	10 5 6	0 %		202	
Wairau	: :	• : • :		? :	19		33	1 13 0	: :	: :	: :	: :	19	× ×	55		4	3 -
Waitara	:	:	:		10	<u>15</u>		0 12 0	:.	:	;	:	01	15	ος <u>;</u>	25	818	
Wanganui	:	9 0 13	6 6 9 47	0 TO 10	199	12 12 6 317 11 6	168	10 7 6 332 5 0	:	:	:	:	802 9	13 6 0 453 18 6	7 159	10 18 0	383	932 12
Westnort	•		î_	2 65		12		7 12 6	: :	: :	: :	: :	184	၁ တ	157	2	341	,
Whangarei	: :		•	:	41	-	41	_	: :	::	:	: :	#		41	_	88	6 3
Whangaroa	· :	:	:	:	_		•	:	:	•	:	:	_	0 1 0	:	:	-	0
Whangaparapara	:	:	:	:	L	0 10 6	9	0 6 0	:	:	:	:	1~	0 10 6	9	0 6 0	E.	
Totals	: 7,6	7,029 509 3	6 6,901	498 6	0 12,831 849 10	9	12,775 88	858 9 0	694	42 17 6	702	43 10 6	20,554 1,401	1,401 11 6	20,378	1,400 5 6	40,932	2,801 17

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE ISSUED DURING THE YEAR ENDED 31ST MARCH, 1913.

Name of Person.			PHE YEAR ENDED 3 Rank.	Class of Certificate.	Date of Issue.	No.
Alexander Pyper			First mate, steam	Foreign trade	26 April, 1912	115
Thomas James Skye		• • •	Master	", "	15 May, ,,	101
Enersley Albert John Eden			First mate, steam	,,	15 ,, ,,	115
Alexander Watchlin		• •	Master	"	25 ,, ,,	115
Duncan Cameron	• •	• •	First mate	,,	1 June, ,,	116
Peter Stanley Peterson Arthur Lovat Fraser		• •	Master First mate	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5 ,, ,, 29	116
Walter Frederick Suckling	• •			,,	10 T-1-	111:
Hugh Morrison			Second mate, steam	,,	29 ,, ,,	116
Vernon Joseph Hay			Second mate	,,	6 Aug., ",	116
Charles James Townsend Hatfie	əld		First mate	,,	14 ,, ,,	111
Percy Edwin White	• •	• •	First mate, steam		22 ,, ,,	116
Thomas Clarkson Sawyers		• •	Pingt mate	,, .	22 ,, ,,	116
Gordon Archibald Grey Christopher Bajohr			First mate Second mate	,,	29 ,, ,, 4 Sept., ,,	$\begin{array}{c} 113 \\ 116 \end{array}$
Selwyn Athol Chatfield			First mate	,,		112
Walter William Fish			,,	,,	27 ,, ,,	116
Donald McDonald			First mate, steam	.,	9 Oct., ",	113
Henry Roger Moag-Levy			Second mate, steam	.,	9 ,, ,,	116
Lewin Kingdon	• •		First mate	• .,	31 ,, ,,	116
George Madden	• •	• • •	Second mate	,,	31 ,, ,,	1170
William Jarvie	• •	• •	First mate Second mate	,,	31 ,, ,, 7 Nov.,	112
George Benjamin Corby		• •	Finat manta	,,	1 7	$\frac{117}{117}$
Ross Clark	• •		rirst mate	,,	7	$\frac{117}{111}$
Edward Herbert Athol Scales			Master	1	7 "	117
Charles Christopher Bullock			First mate	,,	21 ,, ,,	117
Joseph William Cameron			First mate, steam	,,,	25 ,, ,,	110
Frederick Arthur Clark			First mate	,,	25 ,, ,,	117
George McDonald			70	,, ,,	25 ,, ,,	112
Archie Howard Brooks			Master	,, ,.	5 Dec., ,.	106
Reginald Henry Baigent Norman Berthold Wily Haszar	d	• •	Second mate	,,,	17 ,, ,,	117
Alexander Trelss Adam			,,	,,	$egin{bmatrix} 17 & , & , & \\ 17 & & & \end{bmatrix}$	$\begin{array}{c} 117 \\ 117 \end{array}$
Victor Gordon Webb			Master	1	1 18 "	117
Andrew Granville Manners Chr.	istie		Second mate	,,	17 ,, ,,	118
William Mervyn Fry			,,	,	17 ,, ,,	118
Everard John McClellan			,,	,,	30 ,, ,,	118
Justin Victor Bray			First mate	,,	30 ,, ,,	118
Jeremiah Aylmer Bunting	• •		Second mate	,, .,	30 ,, ,,	118
Sidney Charles Levack	• •	• •	Master, steam	,,	30 ,, ,,	118
Errol Albert Peters Charles Keeffe	• • •	• •	Second mate	,,	14 Jan., 1913	118
John Stewart Gilchrist Reid			Master, steam	,,	14 ,, ,, 27 ,,	$\frac{118}{112}$
William Whitefield			Second mate	,,	4 Feb., ,,	118
John Watson			Second mate, steam	,,	5 ,, ,,	118
Percy Harold King			First mate, steam	,,	17 ,, ,,	119
Alfred Joseph Tointon			Master	,,	18 ,, ,,	104
William Albert Entwisle	• •		Second mate	,,	25 Mar., ,,	119
Eric Carlisle Sarginson	• •		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,	25 ,, ,,	119
Walter Gordon Wilson Millard Alexander Pert	• •	• •	Master	Home trade	25 ,, ,, 15 April, 1912	119
David Robertson	• •		1	Home trade	15 Mars	$\frac{572}{572}$
George Gordon Sang		• • • • • • • • • • • • • • • • • • • •	Mate	1	15	572
Robert Carnachan			,,	,,	15 ,, ,,	572
Roland Champion Somerville			Master	,,	15 ,, ,,	568
Percival Norman West			Mate	,,	10 June, ,,	572
Frederick Alfred Brock	• •	• •	75	,,	10 ,, ,,	572
William Edward Sinnott		• •	Master	,,	18 ,, ,, ,,	572
Henry Moag-Levy Olaf Jacobsen	• •	• •	Mate	,,	28 ,, ,, 3 July, ,,	572
Max Pierotti	• • •		Master	,,		572 550
Henry d'Little Joynt			,,] ,, · · ·	0 " "	572
James Smith			,,	,,	8 ,, ,,	554
Richard John Knaggs			Mate	,,,	12 ,, ,,	573
Edward Henry			Master	,,	6 Aug., ,,	567
David Simon Davies			,,	•, .,	23 ,, ,,	573
Percy Edwin White			,,	,,	28 ,, ,,	573
Henry Mitchell William Hardie Stevens	• •		Mate	,,	28 ,, ,,	573
William Hardle Stevens		• •	Master	* ,**	4 Sept., ,,	573.
				,,	16	566 573
Roderick McKinnon			Mate	,,	10	573
Roderick McKinnon Thomas Alcock Farey			7.5	1 "	27 ,, ,,	565
Roderick McKinnon			Master			567
Roderick McKinnon Thomas Alcock Farey John Howick Victor Emanuel Johansen Wilbert Stanley Clark	 		i		977	
Roderick McKinnon Thomas Alcock Farey John Howick Victor Emanuel Johansen Wilbert Stanley Clark Stanley Percival Martin			i	1	27 ,, ,, 27 ,, ,,	568
Roderick McKinnon Thomas Alcock Farey John Howick Victor Emanuel Johansen Wilbert Stanley Clark Stanley Percival Martin Thomas Donovan			,, ,,	**	27 ,, ,, 27 ,, ,,	
Roderick McKinnon Thomas Alcock Farey John Howick Victor Emanuel Johansen Wilbert Stanley Clark Stanley Percival Martin Thomas Donovan Antoine Du Rhone	• •	• • • • • • • • • • • • • • • • • • • •	,, ,,	,,	27 ,, ,, 27 ,, ,, 27 ,, ,, 2 Oct., ,,	568 573 573
Roderick McKinnon Thomas Alcock Farey John Howick Victor Emanuel Johansen Wilbert Stanley Clark Stanley Percival Martin Thomas Donovan Antoine Du Rhone Isaac William Jalfon	••		,, Mate	97 · · · · · · · · · · · · · · · · · · ·	27 ,, ,, 27 ,, ,, 2 Oct., ,, 2 ,, ,,	568 573 573 573
Roderick McKinnon Thomas Alcock Farey John Howick Victor Emanuel Johansen Wilbert Stanley Clark Stanley Percival Martin Thomas Donovan Antoine Du Rhone Isaac William Jalfon Herbert Spencer Thomas			,,, Mate Master	97 · · · · · · · · · · · · · · · · · · ·	27 " " 27 " " 27 " " 2 Oct., " 2 " "	568 573 573 573 574
Roderick McKinnon Thomas Alcock Farey John Howick Victor Emanuel Johansen Wilbert Stanley Clark Stanley Percival Martin Thomas Donovan Antoine Du Rhone Isaac William Jalfon Herbert Spencer Thomas James Robertson Eadie			Mate	,, ,, ,, ,,	27 " " 27 " " 27 " " 2 Oct., " 2 Nov., " 21 " "	568 573 573 573 574 574
Roderick McKinnon Thomas Alcock Farey John Howick Victor Emanuel Johansen Wilbert Stanley Clark Stanley Percival Martin Thomas Donovan Antoine Du Rhone Isaac William Jalfon Herbert Spencer Thomas James Robertson Eadie Harold Brown Grant			Mate Mate Mate	,, ,, ,, ,, ,,	27 " " 27 " " 2 Oct., " 2 Nov. " 21 "	568 573 573 574 574 574
Roderick McKinnon Thomas Alcock Farey John Howick Victor Emanuel Johansen Wilbert Stanley Clark Stanley Percival Martin Thomas Donovan Antoine Du Rhone Isaac William Jalfon Herbert Spencer Thomas James Robertson Eadie			Mate	,, ,, ,, ,,	27 " " 27 " " 27 " " 2 Oct., " 2 Nov., " 21 " "	568 573 573 573 574 574

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE ISSUED DURING THE YEAR ENDED 31ST MARCH, 1913—continued.

Name of Person.				Rank.		Class of Certifica	te.	Date	of Issue.	Ne
homas St. Helliers Eaddy			Master			Home trade		30 Dec	., 1912	56
lenry Alexander Anderson			,,			,,	• •	30 ,,	,,	57
ames Lawrence rederick William Roberts	• •	• •	Mate	• •	• •	,,	• •	14 Jan 14	., 1913	57
ohn Eric Bergquist	• •		Master	• •		"	• •	18 Feb	., ,,	57
rchibald Robertson			Mate			**		26 ,,	,,	57
leorge Stanley Evans	• •	••	Master	••	• •	River steamer			il, 1912	36
dfred Charles Hansen	• •	• •	"	••		,,	• •	15 May 15		36
Villiam Thomas Bloy			,,	••		,,	• •	25 ,,	,,	36
orman Guptill			,,			"		25 ,,	,,	36
ohn Dalton	• •	• •	,,	• •	• • •	,,	• •	27 ,,	,,	36
oseph Stewart		• •	,,	••		**		10 Jun 29 July	_ * - * *	36
homas Henry Freeth			,,			,,		29 ,,	, ,,	36
'illiam Charles Gentry			"	••		27		21 Aug		36
ohn Grubb Munro		••	,,	• •	•••	,,	• •	23 ,,	,,	36
ohn Crawford McBride ohn Spilsbury		• •	,,		::	,,	• •	23 ,,	,,	36
enjamin Blakemore			- ,,			,,		4 Sep		36
narles Henry Hucker			,,			,,		6 ,,	,,	36
ussell Erskine	• •	••	,,	••		,,	• •	27 ,,	,,	36
alter Hadwen	• •	• •	,,	• •		,,	••	9 Oct.		36
illiam Henry Crocker		• •	,, ,,	• •		,,		9 ,,	,,	3
illiam Smith McPherson			,,	••	٠. ا	,,		31 ,,	. ,,	30
illiam Harry Smith	• •		,,	••	••	"	• •	21 Nov		30
orge Gathshore Moir illiam Lewis Kingston Bishop	• •	••	,,			, ,,		21 ,, 5 D ec	,, ,,	3
arles Duston	• • •		,,			",		5 ,,	, ,,	3
seph Muhlegger			,,			,,	• • •	5 ,,	,,	3
arles Herbert Scopes	• •	•• '	,,		• • •	,,	••	17 ,,	» · · ·	3
hn Nicholas Carwood 1ud William Julius Larsen	• •		,,	•••		,,	• •	$\begin{vmatrix} 17 & \dots \\ 30 & \dots \end{vmatrix}$,,	3
orge Albert Dove Dixon	•	• •	,, ,,	• • •		,,	• • •		., 1913	3
omas Redmond Luckie			,,		٠	,,		28 ,,	,,	3
illiam John Jones	• •	• •	,,	• •		**	• •	4 Feb		3
lward Albert Morrow igustus Herbert Tonkinson	• •	••	,,	• •		,,	••	8 Mar 10	7	3
Iward Hurd Kennedy	• •	• • •	,,	••		,,	• •	25 ,,	,,	36
obert Carnahan	••	••	,,			Fishing - boat, cargo-vessel ur	or ider		l, 1912	
homas James Eaddy						25 tons registe Ditto	r 	15 May	. ,	
iomas James Laddy Ifred William Douglas Meiklejol	hn		,,			,,	• • •	18 Jun		
eorge William Roff			,,		• •	,,		8 July	7, ,,	
lward Dahlsen Christiansen		• •	,,	• •	• •	,,	••	23 Aug		ľ
aac William Jalfon enst Otto Rumpler	• •		,,	••	• •	Sailing vessel	in	29 ,, 10 May	', ,,	
	••	• •	"	••	• •	harbours or riv		1	, ,,	ļ
ils Ivar Lamberg			,,	••		Ditto	• •	13 ,,	,,	100
uncan Gillies	• •		and alo			Toroism Anada	• •	26 Feb		١,
hn William Crombie illiam Sidney Hall	• •			ss enginee ss enginee		Foreign trade	• •	1 1 5 7	l, 1912	1
illiam George Thomson		• •	100 0200	,,		,, ,,	• •	15 ,,	,,	+
arles James McPherson				,,		,,		15 ,,	,,	
avid William Bennie	• •	• •	ا السرو	ss on gin o		,,,	• •	15 ,,	,, .	,
bert Rutherford Douglas mes Alexander Thomson	• •	• •	ard-cia	ss engine	er	,,	• •	15 ,, 15 ,,	,,	1
ordon George Lunn	••	• •		,,		,,,	• • •	15 ,,	,, · · ·	1
fred Duncan Shearer		• •		,,	• 4	,,		15 ,,	,,	1
thur Wilkinson Bagley			0-3-1	,,		***	• •	15 ,,	,,	1
eil Stuart Richardson	• •	• •	zna-cla	ssengine		,,	• •	13 May	, ,,	1
ngus Macdonald mes Oswald Penman		• • •		"	• • •	,,	• •	10 ,,	· , ,	i
wis Vincent Gully	• •			ss engine	9 r	,,		13 ,,	,,	1
exander Lang		• •		ss enginee		,,	, • •	10 ,,	,,	10
mes Alexander Melville Carnal		• •	3rd-ela	ss engine		,,	• •	10 ,,	,,	1
lward Ross enjamin Percy D awson	• •		l	,,		"	• •	10 ,,	"	1
illiam Arthur Martin			1	,,		,,		10 ,,	, ,,	1
nilip Stanley Ring Horne				"		,,	• •	10 ,,	,,	1
nomas Ralph Noble	• •	• • •	2nd-olo	" ssengine	er .	"	• •	13 ,, 10 Jun	е. ,,	1:
ritz Falava Kronfeld obert Graham	• • •		2110-018	», Presentante	er	,,		10 541	e, ,,	1
eginald Aubrey Lewis		••		,,	::	,,,		10 ,,	,,	1:
illiam Henry Coates			3rd-cla	ss engine	er	,,		10 ,,	,,	14
evin Bartholomew Garvey	• •	• •	ļ	,,	• •	,,	• •	10 ,,	,,	14
ouglas Gordon Jack ouis Foster McDonald				,,		"		10 ,,	,, ,.	1
ames Power		• • • • • • • • • • • • • • • • • • • •		,,	• •	",,		10 ,,	,,	14
eslie Victor Smith			0.3 ,	,,		,,		10 ,,	,,	1
ordon Everard Dickey	• •			ss engine ss engine		"	• •	28 ,, 28 ,,	,,	12
Iorace Alexander Bower									,,	

Return of Masters, Mates, and Engineers to whom Certificates of Competency were issued during the Year ended 31st March, 1913—continued.

Name of Person.		13	Rank.	Class of Certificate.	Date of Issue.	No
Iersey Derwent John Turner	*		3rd-class engineer	Foreign trade	28 June, 1912	14
rlando Lovel Nahr		••	oru-ciass engineer	Foreign trade	28 ,, ,,	18
Villiam Albert John Marris			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,	28 ,, ,,	14
comwell Spencer Tewsley			99	,,	28 ,, ,,	14
ugh Lewis			,,	,,	8 July, ,,	- 14
ric Aubrey Mosley	• • •		,,	,,	8 ,, ,,	14
alter Geoffrey Thomas	• •	• •	,,	,,	8 ,, ,,	13
illiam Wallace Macgregor lexander Stuart Ewan	• •	• •	Lat also as as aim ass	,,	8 ,, ,,	16
rnest Wilson Mackley	• •	• •	1st-class engineer	,,	$egin{bmatrix} 12 & ,, & ,, & \dots \\ 12 & & & \dots \end{bmatrix}$	$\frac{10}{16}$
seph Edmond Hamer	• •	• • •	"	,,	19	11
o Roydon Gilmour	• •		,,	,,	10	11
ement Canty Richardson	• •	• •	3rd-class engineer	,,	90	18
lliott Fleming					90	18
riffith Fitz Howell Jones		• • • • • • • • • • • • • • • • • • • •	,,	,,	6 Aug., ,,	18
illiam Henry Claude Monaghan			,, ,,	,,,	6 ,, ,,	14
dward William Scott			,,	,,	6 ,, ,,	14
onald David Matheson			,,	,,	6 ,, ,,	14
ilson Campbell			,,	,,	6 ,, ,,	15
ecil Thomas Berwick Le Grys			,,	,,	6 ,, ,,	18
lexander Smith		•••	1st-class engineer	,,	14 ,, ,,	(
imes William Wheatley	• • .	• •	, , , , , , , , , , , ,	. ,,	14 ,, ,,	10
rancis Onslow Morath	• •		2nd-class engineer	,,	14 ,, ,,	12
ertram William Gandell.	• •		3rd-class engineer	**	14 ,, ,,	. 13
orris De Camp Ranson ichard Stanley Maunder	• •	• •		. ,,	14 ,, ,,	14
	• •	• •	,,	,,	14 ,, ,,	18
ames Charles Gray Illiam Frederick Herbert Lamb	orn	• •	**	**	14 ,, ,,	1:
eorge Luke	orn 	• •	1st-class engineer	"	14 ,, ,, 2 Sept., ,,	1.0
lexander Cable	• •	• • • • • • • • • • • • • • • • • • • •	3rd-class engineer	. ,,	6 1	1
eslie Gordon Ring	• •	• • •	2nd-class engineer		1 4 " "	13
incent Maplesden		• • •	3rd-class engineer	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	9 ,, ,,	18
ecil Nicholson Willis			1st-class engineer	,,	9 ", ",	
rthur Edward Victor Evans		e ger jesto.	3rd-class engineer	,,	12 ", ",	14
scar Hugh Wright		· ·	"	,,	12 ,, ,,	18
eonard Edgar Gillett			,,	,,	12 ,, ,,	18
alcolm Campbell			,,	,,	12 ,, ,,	18
uncan William Palmer			,,	,,	12 ,, ,,	14
'illiam_Gibson_Stevenson			,,	. , ,,	12 ,, ,,	18
eorge Watson Fraser			,,	j ,,	12 ,, ,,	14
filliam Frank Pegler			,,	,,	12 ,, ,,	14
dwin Robinson Gibbons		• •	,, .,	,,	12 ,, ,,	14
avid William Vaughan	• •		,,	. ,,	12 ,, ,,	1
eslie Claude Davies	• •		1st-class engineer	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	$\begin{vmatrix} 12 & , & , \end{vmatrix}$	(
Valter Somerville	• •		2nd-classengineer	• • • • • • • • • • • • • • • • • • • •	18 ,, ,,	11
1 1 1 TN 1	• •	: •	1 st-class engineer	, ,,	3 Oct., ,,	13
arold Boyd	• •	• •	2nd-class engineer	,,	14 ,, ,,	$\frac{10}{13}$
lexander Hugh Ross	• •		3rd-class engineer	,, .,	114 " "	1
rchibald Walker, jun.	• •	• •	ora chass origineer	,,	114 "	14
ionel Stanhope Dawson			1st-class engineer	***	14 ,, ,,	- 1
ohn Egerton Langdon			3rd-class engineer	,,	14 " "	- 1
ernard James Rasmussen			,,	,,	14 ", ",	1
ubert Loveland Munson			,,	,,	14 ,, ,,	1.
harles Broadley		* •	1st-class engineer	,,	31 ,, ,,	
enry James Stratford Johnson			,,	,,	31 ,, ,,	10
lbert Edward William Scully			3rd-class engineer	. ,,	31 ,, ,,	1
eopold Herbert Claude Paterson			,,	,,	21 Nov., ,,	14
eigh Easton Baxter		• •	2nd-classengineer	,,	21 ,, ,,	13
seph Frank McPherson	• •	• •	, , , ,	,,	21 ,, ,,	1
ohn Le Cren Morgan		• •	3rd-class engineer	,,	21 ,, ,,	1
rthur Brown	• •	• •	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,	21 ,, ,,	14
scar Christian David Lundius 'illiam Vallance Rowan		• •	,,	***	21 ,, ,,	1
1 75	• •	• •	• "	,,	$egin{bmatrix} 21 & ,, & ,, & \dots \\ 21 & & & \dots \end{bmatrix}$	1
1 3r O i	• •	• •	•••	,,	01 " "	13
D. L 17-11-	• •		1st-class engineer	,,	95	1
eorge Frank Banfield	•••	• •	2nd-class engineer	,,	E Doo	1:
arles Henry Harris			,,	. ,,	1 1 # ' ' '	1:
ank Harold James			3rd-class engineer		1777	1
narles Thomas Stewart	• •	۸.	1st-class engineer	,,	30 ", ",	10
erald Geoffrey Potts			,,	,,	30 ,, ,,	1
illiam Peterson			,,	, , , , , , , , , , , , , , , , , , , ,	30 ", ",	٠.
ohn McLeish Maxwell		••	,,	,,	30 ,, ,,	
orace Park Matheson			2nd-class engineer	,,	30 ,, ,,	1
rank Bernard Williams			,,	. , ,,	30 ,, ,,	1
enjamin Dennitts Smith			99	,,	30 ,, ,,	1
ames Wallace Clark		••	3rd-class engineer	,,	30 ,, ,,	1
7illiam Gillies		•.•	,,	,,	30 ,, ,,	: 18
eginald Victor Hurley			,,	.,,	30 ,, ,,	18
rnest McCallum	••		. ,,	,,	30 ,, ,,	14
eorge Henry Sharp		•,•	,,	. ,,	30 ,, ,,	18
avid Finlayson MacDonald		*,*	,,	,,	30 ,, .,	18
forman Rivers Kitching		• •	,,	,,	130 ,, ,,	18

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE ISSUED DURING THE YEAR ENDED 31ST MARCH, 1913—continued.

Name of Person.		-	Rank.	Class of Certificate.	Date of Issue.	No.
Wathen Wallace Houghton	• •		1st-class engineer	Foreign trade	27 Jan., 1913	859
Alexander Inglis Clark			, ,	,,	27 ,, ,,	$\frac{1554}{1267}$
Edward Charles Roi Young	• •		2nd-class engineer	,,	$\begin{bmatrix} 27 & ,, & ,, & \cdots \\ 27 & ,, & ,, & \cdots \end{bmatrix}$	1555
John Oliver Cooper	• • .	••	3rd-class engineer	,,	27 ,, ,,	1556
William Perry Okey Ernest Edward Jones	• •		,,	,, · · · · · · · · · · · · · · · · · ·	27 ", ",	1557
Frederick Charles McLeod			,,	,,	27 ,, ,,	1558
Roy Ernest William Fordham			,,	,,	27 ,, ,,	$1559 \\ 1560$
Percy William Rickards	• •	••	,,	. ,,	$\begin{bmatrix} 27 & ,, & ,, & \dots \\ 27 & ., & & \dots \end{bmatrix}$	1561
Gordon Louis Ansenne Charles Field Goldsbro	• •	••	,,	,,	27 ,, ,,	1562
Allan Ramsay Wilson	• •		,,	,,	27 ,, ,,	1563
Arthur Ballington Daniel			1st-class engineer	,,	27 ,, ,,	1033
Francis Percival Hewitt				,,	28 ,, ,,	1091 1564
Randall Robert Parker	• •		3rd-class engineer 2nd-class engineer	,,	5 Feb., ,,	1398
Arthur George Rogerson John Athol Nicol			1st-class engineer	,,	12 ,, ,,	922
Frank Mowatt		::	2nd-class engineer	,,	12 ,, ,,	1348
Ralph Beaufoy			,,	,,	12 " "	1405
John Alexander Urquhart			,,	,,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{1196}{1200}$
William Thomas	• •	• ••	2nd along angineer	,,	10 " "	1565
Frederick John Dobson William Alfred Henry Scott			3rd-class engineer ,,	,,	12 ,, ,,	1566
John Joseph Flaherty	•	.,	,,	,,	12 ,, ,,	1567
James John Minehan			,, · · ·	,,	12 ,, ,,	1568
Michael O'Sullivan	• •		,,	,,	$\begin{bmatrix} 12 & " & " & \cdots \\ 12 & " & " & \cdots \end{bmatrix}$	$1569 \\ 1570$
Robert Henry Gerrie	• •	••	,,	,,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1571
Thomas Robin Morgan William Francis Aonui Dennan			,,	,,	12 " "	1572
Ernest Carlton Hall	• •		,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	12 ,, ,,	1573
William Byers Stanley Sealy			2nd-class engineer	,,	12 ,, ,,	$\frac{1418}{1574}$
Sydney Herbert Wynne			3rd-class engineer	,,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1575
Leslie George Wilkinson Frederick Burnell	• •	• • •	Engineer	River trade	12 ,, ,, 13 May, ,,	$\frac{1075}{2175}$
Frederick Burnell Charles Albert Cook			,,	,,	13 ,, ,,	2176
Andrew Munro			,, ,	,,	13 " "]	2177
John Penman Newby			,,	. ,,	13 ,, ,,	$\frac{2178}{2179}$
Robert O'Neil	• •	• •	,,	,,	13 ,, ,,	2180
Alfred Clarke John James	• •		,,	99	13 ,, ,, 13 ,, ,,	2181
John James Albert John Jensen			,,	,,	13 ,, ,,	2182
John McDonald			,,	,,	13 ", ",	2183
Kenneth Kennedy			,,	,,	13 ,, ,,	$\frac{2184}{2185}$
Alister Harvey Robert Hunt	٠.		,,	,,,	13 ,, ,, 13 ,, ,,	2186
Frank Harris James Edward Brown	• •		,,	,,	14 Oct., 1912	$\frac{2185}{2187}$
James Edward Brown Arthur Forbes Murray			,,	,,	14 ,, ,,	2188
Cyril Probyn Berridge			,,	,,	27 Jan., 1913	2189
Arthur Drummond			,,	,,	27 ,, ,,	$2190 \\ 2191$
John Dyer	• •		Marine engine-driver	,,	12 Feb., ,, 25 May, 1912	151
Robert Gibb Arthur Edward Lockwood	• •	• • •	-	,,	2 Oct., ,,	152
Arthur Burrows		•••	?? ??	,,	27 Jan., 1913	153
Charles Edwin Nicholson			1st-class oil engineer	Sea-going	15 May, 1912	147
Frederick Burnell			2nd-class oil engineer	"	15 ,, ,	188
Michael Tants	• •	• •	**	. ,,	25 ,, ,, 6 Aug., ,,	189 190
Robert John Murray Edward Stanford Hibbard	• •	· •	1st-class oil engineer	,,	3 Oct., ,,	191
Charles James Roberts			2nd-class oil engineer	,,	9 ,, ,,	192
Herbert Garnet Luke		••	1st-class oil engineer	,,	14 ,, ,,	124
Robert George Huggins	• •		**	,,	14 ,, ,,	$\frac{193}{120}$
William Roxburgh Eadie	• •	••	2nd-class oil engineer	,,	30 ,, ,,	194
William Little James Ambrose Lawler	• •		,, ,	,,	27 Jan., 1913	195
John Thomas Clark		• •		,,	27 ,, ,,	196
Alexander Kennedy			1st-class oil engineer	",	12 Feb., ,,	197
Charles Henry Bowman	• •	• • •	River oil engineer	River trade	13 May, 1912	$\frac{242}{243}$
Frank Battenbury Britton Leonard George Walker	• •	• •	,, ,,	,,	13 ,, ,, 13 ,, ,,	244
John Melville	• •	• •	,,	,,	13 ,, ,,	246
Thomas Henry Flavell			,,	,,	13 ,, ,,	247
Trevor McLeod		• •	,,	,,	13 ,, ,,	$\frac{248}{249}$
Daniel McCurdy	• •	• •	,,	,,	19 " "	$\frac{249}{250}$
George Walter Swan Louis Lovell Blanche	• •		,,	"	13 ,, ,,	$\frac{250}{251}$
Louis Lovell Blanche John Christian Berg	• •		,,	,,	10 June, ",	252
Edgar Hastings Cambridge			,,	,,	18 ,, ,,	253
Frederick Samuel William Wyat			,,	,,	28 ,, ,,	254
Gunther Laage	• •	• •	"	,,	28 ,, ,,	$\begin{array}{c} 255 \\ 256 \end{array}$
Carl Eliel Carson	• •	••	,,	,,	O Tailer	257
Leonard Charles McAllister John Thomas Pegley	• •		,,	,,	8 ,, ,,	258
Richard Betridge			,,	,,	29 ,, ,,	259
William Harawira Armstrong			,,	,,	6 Aug., ,,	260
Edward Withers			"	,,	14 ,, ,,	$\begin{array}{c} 261 \\ 262 \end{array}$
John Devoy Ballantyne		• •	,,	,,	114 ,, ,,	204

Return of Masters, Mates, and Engineers to whom Certificates of Competency were issued during the Year ended 31st March, 1913—continued.

	Person.					No.
thur Edward Forbes			River oil engineer	River trade	14 Aug., 1912	2
hn Fitzgerald			.,,	,,	4 Sept., ,,	2
hn Thomas Wade			,,	,,	$\mid 12$,, ,,	2
arles Samuel Marks			,,	,,	12 ,, ,,	2
arry Marsh			,,	,,	12 ,, ,,	2
illiam John Stewart	• • • • • • • • • • • • • • • • • • • •		,,	,,	12 ,, ,,	2
lward Thomas Lamb			,,	,,	12 , ,	2
lan Glass	• • • • • • • • • • • • • • • • • • • •		,,	,,	12 ,, ,,	2
arold Abel Partridge			. ,,	,,	12 ,, ,,	2
illiam Brown Glover.			,,	,,	12 ,, ,,	2
erbert Hannam			,,	,,	12 ,, ,,	2
vid Moran	• • • • • • • • • • • • • • • • • • • •	• • •	,,	,,	12 ,, ,,	2
enry James Sharland	.,		,,	,,	12 ,, ,,	2
iomas Norman Brocas			,,	,,	12 ,, ,,	
rold Norman Brocas	• • • • • • • • • • • • • • • • • • • •		,,	,,	12 ,, ,,	:
omas William Baker	••		,,	,,	12 ,, ,,	2
hn Jackson Ogle			,,	,,	$\begin{bmatrix} 12 & , & , & \dots \end{bmatrix}$	
arles Northwood thur Ellesmere Grove			,,	,,	12 ,, ,,	- 4
			,,	,,	12 ,,	2
onry William Coxhead			**	,,	$egin{bmatrix} 12 & , & , & \\ 12 & & & \end{bmatrix}$	2
arles Herbert Eyes rald John Lane			,,	,,	79 " "	2
raid John Lane chard Howard			,,	,,	19 " "	2
cnard Howard chard Alfred Northwo		• •	,,	**	19 " "	2
dney John Cooper			,,,	,,	19 " "	2
illiam Henry Edgell			,,	,,	19 " "	5
ederick Andrew Lees	• • • • • • • • • • • • • • • • • • • •		,,	,,	10 "	2
onard Morton Hartley	Cheriton		,,		19 " "	2
ginald Hawkins	CHOITION	• • • • • • • • • • • • • • • • • • • •	"	"	19 "	. 3
hn James Beazlev			''	,, ,,	19	2
rbert Charles Harris			1		19 " "	3
bert Hugh Harris			,,	,,	12 ,, ,,	3
seph Fell		•	,,	,,	12 ,, ,,	2
rry Blundell				,,	19 " "	3
mes Munro			,,	,,	19 " "	3
arles Eyes			,,	,,	$\begin{bmatrix} 12 & " & " & " & " \\ 12 & " & " & " & \end{bmatrix}$	2
rl Schrader			,,	,,	12 ", ",	2
lliam Henry Cawne V			,,	,,	12 ", ",	-
wson Grover			,,	,,	12 ,, ,,	ì
bert Josephus Craig			",	,,,	12 ,, ,,	
hn Bernard Andrews			,,	,,	12 ,, ,,	
mes William Silcock			,,	,,	12 ,, ,,	į
rdo Stewart			,,	,,	9 Oct., ",	è
enry Angus Nicholson			,,	,,,	14 ,, ,,	į
erbert Pasquale Clarke			,,	,,	31 ,, ,,	Ę
nry William Walker			,,	,,	31 ,, ,,	•
omas Henry Walker			,,	,,	31 ,, ,,	3
hn Leslie Crane			,,	,,	31 ,, ,,	:
ederick Kukutai			,,	,,	21 Nov., "	3
ywood Armstrong			,,	,,	21 ,, ,,	
muel Ure			,,	,,	21 ,, ,,	:
illiam Knarston			,,	,,	25 ,, ,,	:
fred Elliott Knarston			,,	,,	25 ,, ,,	
erbert Halliwell			. ,,	,,	25 ,, ,,	
enry Archibald William			,,	,,	25 ,, ,,	•
dley James Hirst	• • • • • • • • • • • • • • • • • • • •		,,	,,	25 ,, ,,	
ederick Solloway Lane			"	,,	25 ,, ,,	5
mes Stuart Hallahan	•••		,,	,,	25 ,, ,,	
lward Thomas Stone			,,	,,	25 ,, ,,	
bert John Craig			,,	,,,	25 ,, ,,	5
nest Walter Baker			,,	,,	25 ,, ,,	į
fred Thorne Banks	••.		,,		$\left[egin{array}{cccccccccccccccccccccccccccccccccccc$. 8
ederick Allan Parry			,,	,,	98 "	8
ederick Harold Denha			,,	,,	$egin{bmatrix} 25 & " & " & \cdots \ 25 & " & \cdots & \cdots \end{bmatrix}$	9
arles William Sundstr	um		,,	,,	95 " "	
igustus Herbert Tonki			,,	,,	og " "	3
hn Alfred Hansen			,,	,, ·	$\begin{bmatrix} 25 & , & , & \\ 25 & & & \end{bmatrix}$	9
orge Ogle, jun.	•• . ••	• • •	,,		95	
illiam James Irwin			,,	,, ,,	9g "	5
thur Percy Haslam			,,	,,	95 "	
alter Dyer		• • • •	,,,	,,	95	
thur Miles Herriott			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,	95	
onard Arbour Brown			,,		ne " "	
orge Tinsley Thompso			,,	"	95 "	
	••		,,		95	
lgar John Waite	••		,,	,,	95	
rman Richard Harris	• • •				95	
iliam Ernest John Ha	arvey		,,	,,	95	
ank Lockwood Clayto			,,	"	0= "	
illiam Daniels	• •		,,	,,	95 " "	
illiam Langdon	al Danamass		,,	,,	95	
bert William Redmon			,,	,,	95	-
- Impact A modernone			,,	,,		
ilmot Armstrong chard Woodgate Fuzz	zle .		,,	,,	25 ,, ,,	

Return showing the Number of Masters', Mates', and Engineers' Examinations in New Zealand during the Year ended the 31st March, 1913, showing the Number of Successful and Unsuccessful Candidates.

et et et et et et et et et et et et et e	Αυ	ickla	nd.	We	llingi	on.	Ly	ttelto	on.	D	unedi	in.	Oth	er Pl	aces.		Total	5.
Class of Certificate.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.
Foreign - going masters and mates	16	19	35	17	20	37	15	14	29	3	1	4				51	54	105
Home-trade masters and mates River-steamer masters Master, fishing-boat or cargo- vessel under 25 tons register	23 13 6	15 4 1	38 17 7	9 4 	3 2 	12 6	1 1	6	10 1 	9	2 3 	6 12 	 7	1	8	40 34 6	26 10 1	66 44 7
Master, sailing-vessel plying in harbours and rivers	•••			• • •							••		3	1	4	3	1	4
Sea going engineers (steam) River-steamer engineers	41 8 2 4	9 4 2	50 12 2 6	39 3 1 3	13 1 	52 4 1 3	12 1 		13 1 	31 1 1	5	36 1 1	27 4 5	7 5 1	34 9 1 5	150 17 3 13	35 10 1 2	185 27 4 15
River engineers (mechanical power other than steam)	49	3	52	••			4		4.	4		4	48.	8	56	105	11	116
Totals	162	57	219	76	39	115	37	21	5 8	53	11	64	94	23	117	422	151	573

RETURN OF CERTIFICATES OF SERVICE AS MASTERS OF OIL-ENGINE VESSELS NOT EXCEEDING SIX TONS REGISTER ISSUED DURING THE YEAR ENDED 31ST MARCH, 1913.

Name of Person.	Date of	Class of	No. of
	Issue.	Certificate.	Certificate.
John Nobilo	May 21, 1912	Restricted limits	3944
Charles Edwin McCarthny	August 27, ,,		3945

Return of Certificates of Service as Engineers issued during the Year ended $31\mathrm{st}$ March, 1913.

Name of P	Name of Person.					Class of Certificate.	No. of Certificate,	
John Nobilo Victor Sjolund Charles Edwin McCarthny James Lane				1912. May July August Nov.	21 8 27 21	Restricted limits ,,, lst-class steam	1842 1843 1844 1845	Oil-engine vessel. ", Foreign trade.

RETURN OF CERTIFICATES OF EXEMPTION FROM EXAMINATION AS THIRD-CLASS ENGINEERS ISSUED DURING THE YEAR ENDED 31ST MARCH, 1913.

Date of Issue.	Name.	Date of Issue.	Name.
9 July, " 14 Sept., "	William Leonard Parker. Frederick Noel Hamilton Beamish. Walter Evan Cookson. Roy Allan Strathallan Martin.	,, ,, ,,	William Edward Joseph Greaney. Clive Alfred Fraser. Robert Norman Biggs.

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, 1913.

No. of License.	Date of Issue.	Name of Licensee.	Port of Residence	Date of Expiry of Liceuse.
43 41 45	10 Oct., 1912 20 Dec., " 9 April, 1913	Felix Black Thomas Fernandez John Grant	Wellington Gisborne Onenunga	8 Oct., 1913. 18 Dec., " 3 April, "

RETURN OF LICENSED ADJUSTERS OF COMPASSES IN NEW ZEALAND.

Date of Issue.	Name of 1	Address.			
9 April, 1896	Frederick Macbeth	 	• •		Dunedin.
15 May, "	Robert Strang	 			,
5 " "	George Urquhart Thomson	 			,
27 April. 1897		 			Nelson.
27 May, "	Thomas Fernandez	 			Auckland.
.27 July, "	Robert Hatchwell	 			Lyttelton.
1 Sept., "	1 1 2 2 2 2 2	 			Wellington.
13 Aug., 1898	Herbert John Richardson	 			,,
26 April, 1899		 			. "
26 June, 1900	Charles Frederick Sundstrum				Dunedin.
27 July, "	John Adamson	 			Auckland.
27 Nov.,	(D) D	 			Port Chalmers.
27 March, 1903	O O	 			Wellington.
19 Oct., "	T. L. B.C. T	 	• •		"
1 Nov., 1906	17 1 1 . D 17	 •••		• • •	There all a
6 Feb., 1907	David Todd	 			"
22 " 1909	No	 	• • • • • • • • • • • • • • • • • • • •		Bluff.
28 May, "	(1)1 (1 1) T) 1	 • •	••		Auckland.
oo Oot		 •••	• • •	• •	XX7 - 13
24 May, 1910	T 1 T D	 ••		• •	1 11 9
19 June. 1911	T 1 1 0 0	 	••		YX7 - 112
16 Nov., "	Major William Solloway Lan		• •	• •	Totara North

Table showing the Number and Tonnage of Sailing and Steam Vessels which remained upon the Register of the Dominion of New Zealand on the 31st December, 1911; of those added to and deducted from the Register during the Year 1912; and of those remaining on the Register on the 31st December, 1912.

• •	! S	Sailing Vess	els.		Steam Ves	sels.		Totals.	
	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.
Upon the Register on the 31st December,									
1911	244	37,710	35,651	361	196,374	114,973	605	234,084	150,624
Added to the Register,—			-						
Vessels registered for the first time-					Accordan				İ
Built at ports in United Kingdom			1	7	13,084	7,300	7	13,084	7,300
Built at ports in British possessions	4	101	55	13	1,565	895	17	1,666	950
Vessels transferred from ports in the								i	1
United Kingdom				1	2,833	1,830	I	2,833	1,830
Vessels transferred from ports in British				İ				1	
possessions abroad	3	858	792	3	1,573	794	6	2,431	1,586
Vessels purchased from Foreigners	I	352	309				I	352	309
Vessels registered de novo	1	50	45	2	82	46	3	132	91
Tonnage added in consequence of re-		_							_
measurement or alteration		2				••	••	2	١
Errors in previous returns	2	845	752				2	845	752
*			i			<u> </u>			
Total added	11	2,208	1,953	26	19,137	10,865	37	21,345	12,818
Deducted from the Register,—						-			
** 1 1 1 1	2	126	100	2	1 074	782		T 240	801
Vessels broken up, decayed, &c	1	40	, -	3 1	1,214	68	5 2	1,340	891 108
Vessels transferred to ports in British	,	40	40	1	100	08	Z	140	108
	ļ	7 507	7 465	_	0.656		: .		0 70.
possessions abroad Vessels converted into hulks	4 2	1,571	1,465	5	2,656	1,259	9	4,227	2,724
	2	1,502	1,456			• • • • • • • • • • • • • • • • • • • •	2	1,502	1,456
Vessels registered de novo	2	75	71	1	50	43	3	125	114
Other vessels (registration cancelled as					Ì	İ			
converted into fishing boats)	2	44	44	• • •	•••	•••	2	44	44
Tonnage deducted in consequence of re-	ļ				25				
measurement or alteration	• • •	2	55	٠٠.	96	71	• • •	98	126
Errors in previous returns		· ·	56	3	2,508	1,843	3	2,508	1,899
Total deducted	13	3,360	3,296	13	6,624	4,066	26	9,984	7,362
Remaining on Register on 31st Decem-									
ber, 1912	242	36,558	34,308	374	208,887	121,772	616	245,445	156,080

Table showing the Number and Tonnage of the Registered Vessels (distinguishing Sailing from Steam) which belonged to each of the Ports of New Zealand on the 31st December, 1912.

					S	Sailing Vess	sels.		Steam Vessels.			
	Po	rts.			Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.		
Auckland				.,	146	11,156	9,925	165	20,675	10,972		
Napier			• •		5	325	312	27	3,418	1,934		
Wellington					24	4,407	4,168	45	12,211	6,162		
Nelson	'				8	205	201	12	2,118	1,034		
Lyttelton					17	4,097	3,964	17	5,360	2,353		
Timaru				• •	1	733	690	1.	942	488		
Dunedin					. 39	15,263	14,704	96	163,005	98,278		
Invercargill	• •	• •	• •	• •	2	372	344	11	1,158	551		
	Totals		•		242	36,558	34,308	374	208,887	121,772		

TABLE showing, for the Year 1912, 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, respectively; and the Number of Men and Boys (exclusive of Masters) employed thereon.

			36					
	Men and Boys.	268 2,196	2,464	121	2,040	64 415	479	983
is.		;1 38,2,	392,					5 20152 557 395 130789 4,983
Totals.	.enoT	8,131 36,408	326 44,539	10 6,084 3967,643	4973,727	2,207 10,316	12,523	3078
	Vessels.	118 208 3	1264	10 396		911	20 1	195
su.	Men and Boys.	. :	 	408	408	 149	149	5573
3,000 Tons	,Tons,	::	:	52314	52314	4,921	4,9211	1525
3,000 and	Vessels.			н і	4 15		14,6	20.
1	Men and Boys,		77	717	, 414	: =	:	
2,000 Tons and under 3,000.	.suoT		37		027	::	:	9 15740 388 10 25239 794
ooo T under		12,1	12,137	923102	923102			252
nd 2,	Men and Boys.	31	31	310	310	.: 74	47	<u>;</u> 88
2,000		572	72				1	403
1,500 Tons and under 2,000.	-suoT	, H	1,572		7 12432		1,736	157
nd .	Men and Boys.	292	292	23	257 7		47 1	1
ns an 1,500		77 26	577 29		072	258		42 5
1,200 Tons and under 1,500.	Tons.	56,577	6,	1274	10307	, i	1,258	181.
ld I,2	Vessels.	50.5	54 5	1 1 83 7	83 8	: :	"	77 14
1,000 Tons and under 1,200.	Men and Boys.		i '		i		<u> </u>	5,655 137 14 18142 596
ooo Tons an under 1,200.	Tons.	1,190 1,028	2,218	3,437	3,437	::	:	5,65
(Vessels.	н	77	: m	m	::	:	7.
and	Men and Boys.	. 49	64	: I	110	52	52	211
800 Tons and under 1,000.	.suoT	836	,588	,674	3,674	915	915	87,177 211
800 und	Vessels,	Н 63	3,	: 4 E	4	• : н	H.	
and o.	Men and Boys,	139	139	::		т :	E	142
700 Tons and under 800.	.snoT	3,648	3,648 139		:	785	785	64,433 142
700 nu	Vessels.		5,3,	· ::	:	н:		6 4,
	Men and Boys.	86	88	54	54	: 4	43	
600 Tons and under 700.	.anoT	690	,645	247	247	630	630	38 10 6,522 185
600 J	Vessels.	3 I,	4,	53,	53,	·	H	0
	Men and Boys,	: 4	24	4:	14	::	:	38
oo Tons an under 600.	Tons,		023	569	569	::	:	592
500 Tons and under 600.	Vessels.	21,023	21,023	н :	H	::	:	3 1,592
and	Men and Boys.			10 23	33	30:	30	50
oo Tons an under 500.	'suo_L		62,738 166	499 453	952	411	411	101
400 Tons and under 500.	Vessels.	62,738166	62,	' '	0,		1 4	94, 101 229
	Men and Boys.	7.5	75	13	13		:	88
300 Tons and under 400.	.suoT		,	324	324	::	;	
300 T und	Vessels.	62,260	62,260	н.	1 3		l	2,5
	Men and Boys,	9 191	1	::	:	27	27	88
200 Tons and under 300.	.suoT	2,099 161	2,316 161			746	746	62 1
oo Tc unde				::	:	· :	1	3,0
	Vessels,	H 6	8 10		7	30 3	· ω	† I3
100 Tons and under 200.	Men and Boys.	, 569 20 73,982 368	87 6,413 462 30 4,551 388 10	•	l		6 59	8 45,
oo Tons an under 200.	'suo_L	3,98	4,55	171	171	623 293	916	5,63
1	Vessels.	2,7	2 30	н :	1 S	4.0	9	37.5
; and	Men and Boys.	382,924 126 3 493,489 33627	346.	7 25	7 25	4 6	5, 10	¥497
50 Tons and under 100.	.suoT	3,48	5,41	237	237	53 93	146	,796
0, B	Vessels.			; m	3	нн	7	926
0	Men and Boys.	116	458	:0	6		12	621
Under 50 Tons.	.enoT	705	853	: 4	4		59	3564
5"	Vessels,	731,705116 912,148342	164 3,853 458	 • н	I	: 0	79	713,5
	1	ļ ·	1	d		<u> </u>	<u> </u>	16,
		In the Home (Coastal) Trade only— Sailing Steam	•	Partly in the Home and partly in the Foreign Trade—Sailing Steam	:	Trade	:	Grand Totals 1673,956479 926,796497375,63845413 3,062188 72,584
	Class of Vessels.	ا ي ن		Iome Fo				Tota
	of V	only-	Totals	he H i the i	Totals	reig 	als	, pun
	Class	the Home Trade only Sailing .	To	tly in the artly in trade—Sailing	Tol	the For- nly— Sailing Steam	Totals	Gra
	<u> </u>	the Trac Sa St		rtly in t partly in Trade— Sailin Stean		In the Foreign only——Sailing Steam		
1	İ	l <u>H</u>		Pa		ii		

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
Chicken Island	Acetone-acetylene	,,	Fl. ½", ecl. 3½"	,	Iron		28 April, 1913
(Marotiri)	(unwatched)	ļ 	ecl. 3_{12}^{1}	***** * * * * * * * * * * * * * * * *		.	
Tiritiri	2nd order dioptric	Fixed	••	White, with red arc over Flat Rock	,	Timber	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" 30"	,	Timber.	"	9 Aug., 1900
Portland Island	2nd "	Revolving Fixed	1	Red, to show over	Timber	"	10 Feb., 1878
LOIMANU ISIANU	''	21200	••	Bull Rock.			
Castle Point	2nd order dioptric	Group flashing	†	White	Iron	Timber	12 Jan., 1913
Cape Palliser	2nd "	Revolving	‡	,	"	,,	27 Oct., 1897
Pencarrow Head	2nd "	Fixed		, .,	,	"	1 Jan., 1859
Cape Egmont	2nd "	,,		,		,,	1 Aug., 1881
Manukau Head	3rd		::	<i>"</i> •••	Timber	"	1 Sept., 1874
Kaipara Head	2nd "	Flashing	10"		"	"	1 Dec., 1884
Brothers	2nd "	Fixed	10"	Red, to show over	"	, , ,	24 Sept., 1877
Come Commbell	Ond and an diamenia	Revolving	1'	Cook Rock.	Iron	Timber	1 4 7 7 1 1070
Cape Campbell Godley Head	2nd order dioptric	Fixed	1		Stone	Stone	1 Aug., 1870 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 "	,,		Red ·	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"	<i>"</i> •••	Timber	Timber	1 Jan., 1884
Dog Island	1st order catadiop- tric	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 sec-	Iron	" .	30 Nov., 1903
attranti.				tor to show over Stewart Breaker			
Farewell Spit	2nd "	Revolving	1′	White, with red are over Spit end	"	"	17 June, 1870
Nelson	4th "	Fixed	••	White, with red are to mark limit of	"	"	4 Aug., 1862
				anchorage			
French Pass	6th "	"	••	Red and white, with white light on	,	"	1 Oct., 1884
				beacon			
Stephens Island	1st "	Group flashing	*	White	"	"	29 Jan., 1894

^{*} Two flashes in quick succession every half-minute. † Three white flashes every forty-five seconds. twice every half-minute, with interval of three seconds between flashes.

[†] Flashing

Return of Steamers and Oil-engine Vessels to which Certificates of Survey were issued in New Zealand during the Year ended 31st March, 1913.

	er.	orse-power ingines and se-power of s.	Horse-power- engines.		Nature	Class of	ber	of fo ses req	m N ollov of C uire ed.	ving rew	
Name of Vessel.	Tons Register	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated F of Steam-e	Nature of Engines.	of Propeller.	Certificate.	Able Sramen.	Firemen.	Trimmers.	Greasers.	Remarks.
Admiral Advance (A'kland) Advance (Hokianga		28 8		Compound Non-condensing Oil-engine	Screw	River Extended river Restricted limits		••		• •	First survey.
Advance II A.H.B	4 5			,	, , ,	"		• •	••	••	
Ahuriri	31	17		Compound	" ···	Extended river					
Ailoma	5	15 20		Oil-engine	Twin-screw Screw	Restricted limits					First survey.
Airship	1	4		,,	,,	•		$\frac{\cdot \cdot}{2}$	٠.	••	"
Akaroa Albatross (A'kland	$\begin{array}{c c} 29 \\ 111 \end{array}$	28 37	102	Compound	"	Home trade Extended river	1				
Albatross(H'kianga Alert	2 5	4 15	••	Oil-engine	,,	Restricted limits	••	•	::	• •	First survey.
Alexander	185	72	339	Compound	Twin-screw	Home trade	4	3			
Alexandra	5 2	15 5		Oil-engine	Screw	Restricted limits		••		::	First survey.
All Black (Tairua)	4	17	٠	,, ,,	*	"		• • •			"
All Black, No. 1 All Black, No. 2	5 4	18 12		,,	,,	" "				•	
Alma	5	10		,,	,,	<i>"</i>		• •			First survey.
Alva Amy	$\frac{4}{2}$	10 5		,,	,,	" .		•		::	, " ,,
Anna	19	10		Condonning	,,	Home trade	1				Fishing.
Antrim	35 49	30 164	63	Condensing	,,	Home trade	2	i			
Aotea	157	33 -			,	River	[ز٠	٠.		• •	
Apanui Aparima	135 3,684		$\frac{208}{2,547}$	Triple-expansion	Twin-screw	Home trade Foreign trade	13	2 9	3	3	
Arahura	771	147	1,726	"	G"	Home trade	7	6	3	3	
Arapawa Arawa (Rotorua)	128	47 5	242	Oil-engine	Screw	Restricted limits	4	2		•	First survey.
Arawa (Port Under-	5	10		,	,,	u	••		••	••	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
wood) Ariadne	1	4		,,	,,	,					" .
Archa	4	8 · -5			,,	"	••	• •	•••	•••	·
Arrino Arumai	6	10		,,	Twin-screw	"					First survey.
Atarua	2 2	8 10			"	"	••	• •		••	"
Atlas Atua (Dunedin)	1,895	329	2,617		"	Foreign trade	9	9	3	3	"
Atua (Stw't Island) Aupouri	220		${402}$	Oil-engine Triple-expansion	Screw	Restricted limits Home trade	5	·. 3		•-	
Aurere	3	6	•••	Oil-engine	"	Restricted limits		• •			First survey.
Averil Awahou	3 151	6 74	298	Compound	Twin-screw	Home rade	4	3	••	•	,,
Awaroa (Well'gton)	211	62		Triple-expansion	Screw	Extended river					
Awaroa (Rangiriri) Awarua	4 2			Oil-engines	<i>"</i>	Restricted limits	.:			• •	First survey.
Baden Powell	72	30	199	Compound	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Home trade	2	2	••		
Balder Baroona	$\frac{3}{1}$		184	Oil-engine Compound	,,	Restricted limits Foreign trade		$\frac{\cdot \cdot}{2}$	• •	•	First survey.
Beldame	4	20	••	Oil-engine	,	Extended river					
Bell Bird Belle	52		••	Triple-expansion Oil-engine	,,	River Restricted limits		!			First survey.
Benares	2	4		g	,	River		••	• •		· · · · · · · · · · · · · · · · · · ·
Ben Lomond Betsy Beard	33	15 40		Compound Oil-engine	"	Restricted limits		• •			First survey.
Betty	2	16			,,	"	•••			• •	*
Bittern Blenheim	85	5 50	220	Compound	,,	Home trade	2	2		••.	"
Bletsoe	2	5	12.4	Oil-engine	"	River		3	• • •		
Breeze Breta Tui	286 36		454	Triple-expansion Oil-engine	,,	Home trade River					
Britannia (A'kland	108	40	•••	Non-condensing	Paddle	Home trade	i	• • •			Fighing
Britannia' (Bluff) Brooklyn	$\frac{10}{2\frac{1}{3}}$	$\frac{2\frac{1}{2}}{8}$		Oil-engine	Screw	Restricted limits		• • •		••	Fishing.
Campbell	. 6	20		,,	,,	Home trade	6	3			First survey.
Canopus Canterbury	835	250 24	1,138	Non-condensing	Twin-screw	Extended river					
Canterbury	521	120	••	Compound	,,	"		• •			Dredge.
Cascade Centaur	11 6	32	••	Oil-engine	Serew	River					
Chelmsford	79 379		79 566	•	"	Home trade	2 5	1		• •	
Clansman Claymore	119	54	366		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4	3			
	3	12		Oil-engine		Restricted limits		i			First survey.

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

	• .	rse - power ngines and ic-power of	Horse-power- engines.		Nature	Class of	ber Clas	of f ses rec	m N ollow of C uire ed.	ving rew	
Name of Vessel.	Tons Register	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated H of Steam-er	Nature of Engines.	of Propeller.	Certificate.	Able Segmen.	Firemen.	Trimmers.	Greasers.	Remarks.
712		40		Compound	Stern-paddle	River	. !	·			
Clyde	 57	40		Compound	Screw	// · · · ·					
Comet (Auckland)	8	6		Oil-engine	,,	Restricted limits					Elizat arrange
Comet (Stewart I.)	188	$\begin{array}{c} 5 \\ 24 \end{array}$	• • •	Compound	"	Extended river			• • •	• •	First survey.
Conella	1	$3\frac{1}{2}$		Oil-engine	,,	Restricted limits					First survey.
Cooee	3 812	8 141	1,045	Compound	,, ,,	Home trade	6		$\frac{\cdot \cdot}{2}$	3	"
Coromandel	67	25	1,010	"	"	River					
Countess (W'gton)	57	28	178	Oil continue		Home trade	2	2		٠.	Fishing-vessel
Countess (Hokitika) Cygnet (Lyttelton)	3 66	$\frac{6}{43}$	182	Oil-engines	Screw	Restricted limits Home trade	2	2	· · ·	• • •	First survey.
Cygnet (Kaipara)	3	8		Oil-engine	,,	Restricted limits					First survey.
Dairymaid Daphne (Auckland)	100	_	245	Compound	. "	Home trade		2	::		" .
Daphne (Hokianga)	2	6	240	Oil-engines	"	Restricted limits					First survey.
Dart	1	3		011 " -1	Twin-screw	"			•	• •	,,
Dauntless	3 14			Oil-engine	Screw	"		• •		• • •	
Defender (Lytt'ton)	109	36	116	Compound	,,	Home trade	4	2			
Defender (Thames)	4 5			Oil-engine	,,	River Restricted limits	••	• •	•••	••	
Defiance	24	-20	::	Compound	"	Home trade	i	1		• •	Y
Ooak	3			Oil-engine	,,	Restricted limits					First survey.
Oolly Varden	17 6			,,	"	Home trade	1	٠,	• •		
Oolphin	4			<i>"</i>	"	Restricted limits					
oris (Picton)	2			,,	,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	• •				TEL
Ooris (Russell)	3 195		220	Compound	,, .,	Foreign trade	4			• •	First survey.
Porrigo	1			Oil-engine	,,	Restricted limits					First survey.
Ooto	19			Compound	,,	Home trade	1	1			-
Oove (Picton) Dove (French Pass)	$\frac{2}{2}$::	Oil-engine	,,	Restricted limits			• •	• •	
ovey	2	51		,,	,,	, ,					First survey.
Preadnaught (Aka-	3	19		,,	Twin-screw	"	• •		• •	• •	"
roa Dreadnaught (In-	26	12		,,	Screw	, ,					*
vercargill						.,					
oreadnaught (Westport)	4	5	• • •	. "	"	"		٠.	• • •	٠.	" .
Duchess (Hokitika)	1			,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			٠.			"
Duchess (Well'gtn)	95			Triple-expansion	Dadala	Extended river		٠.	•••	• •	
lagle	138 3		::	Compound	Paddle Twin-screw	Restricted limits	::				First survey.
Larnslaw	155		1,000	Triple-expansion	"	River		٠.	••		" .
lcho	98 2			Oil-engine	Screw	Home trade	2			• •	
lclipse	2		.:	,,	" ··	Restricted limits					First survey.
ileen Ward	472			Triple-expansion	,,	"	••	٠.	٠.	• •	Winet commen
leanora	9			Oil-engine	"	"			•	• •	First survey.
lsie (Auckland)	21	30			Twin-screw	River				• •	
lsie "	$\frac{4}{22}$		• • •	Compound	Screw	Extended river	••			• •	
lsie (Picton) lsie (French Pass)	22 3		::	Compound	<i>"</i>	Restricted limits					First survey.
tsie Evans	6	20		,,	,,	,,		٠.		٠.	ľ
lswick	4			"	,, ,,	River Restricted limits		• •	• •		First survey.
mpress	6			Oil-engines	"	"					"
ndeavour	54			Oil-engine	/#	TT # # 3-			٠.	• •	
nergy	$\frac{17}{4}$	$\frac{15}{3\frac{1}{3}}$		Compound Non-condensing	,	Home trade River	1	1			
rlin	4	4		Compound	,,	,,					
rskine	98 3	35 10		Oil-engine	Twin-screw	Restricted limits	••	٠.	• •	• • •	Dredge. First survey.
ureka (Hokianga) ureka (Kaipara)	3		::	"	// // // // // // // // // // // // //	Trestricted Hillins		• •		• • •	"
va	7	20		,,	,,	River			٠.		
veline xcelsoir (Auck-	 29	8 24	•••	Non-condensing Oil-engine	Screw Twin-screw	Home trade	i	• •	• •		
land	49	44	•	<u>-</u>	T 4111-9010M	•	1	• ·		••	
xcelsior (Wai-	5	61		Non-condensing	Screw	River		٠.			
kato)	36	25	97	Compound	,,	Home trade	2	1			Fishing-vessel
airburn	60	60		Oil-engine	"	,	2				~ -~~
unitourn .		11		Compound	1	Restricted limits					
a ry (Napier) airy (Rotorua)	$\frac{32}{1}$			Compound	,,	LUCSULTOUCGITHITOS		• • •			First survey.

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

Name of Vessel.	ter.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature	Class of	ber Cla	of f sses v rec	im Nollow of Coquire	wing Grew	
Name of Tosson	Tons Register	Nominal H of Steam- Brake Hor Oil-engine	Indicated 1	rature of mignies.	of Propeller.	Certificate.	Able Seamen.	Firemen.	Trimmers.	Greasers.	Remarks.
Farina Ferro	5 1 0	16 20		Oil-engine	Screw	Restricted limits		•••			First survey.
Ferry	2	4		<i>" "</i>	"	Restricted limits					First survey.
Fiona Firefloat	2	$\frac{4}{13}$		Non-condensing	,,	River "		::			" . ,
Firefly Floating Crane	3 35 3	9 28		Oil-engine Compound	Twin-screw	Restricted limits River	••				First survey. First survey (now "Mahua").
Flora (Akaroa) Flora (Dunedin)	838	8 180	1,140	Oil-engine Compound	Screw	Restricted limits Home trade			2	3	First survey.
Flossie	2	41/2		Oil-engine	"	Restricted limits					First survey.
Foam	2 94	5 50	•	Non-condensing	Stern-paddle	River	••			• •	
Gael	55	20	93	Compound	Screw	Home trade	2	1			
Gannet	10 4	$^{12}_{12}$::	Oil-engine	,,	Extreme limits Restricted limits	• •	••	• •	• •	First survey.
Gem	3	6		" · · ·	"	"				•	riise survey.
Gipsy Gladsome	3	4 5		<i>"</i>	,,	"	• •	••	••	••	
Glenelg	156	75	255	Compound	,,	Home trade	4	3			"
Glenlee	5	10 10	• •	Oil engine	,,	River			•		
Gordon	10	8		Compound	" ·•	Restricted limits Extended river	•		•		First survey.
Gosford	23	30		,,	,,	,,					riist survey.
Goshawk Green Duck	122	28 4	::	Oil-engine	"	River Restricted limits	••	••	• •		Winet convers
Greyhound (Auck-	83	60		"	"	Home trade	2				First survey.
land) Hananui II	44	58	259	Triple-expansion		Manaines to 3.	2				
Hapai	363	155		riple-expansion	Twin-screw	Foreign trade Extended river	. 2	2			
Harriet	$\frac{3}{82}$	8 32	230	Oil-engine	Screw	Restricted limits	• •	• •			First survey.
Haunoana	4	16	250	Compound	Twin screw	Home trade Restricted limits	2				"
Haupiri	452	88	463	Compound	Screw	Home trade	6	3			
Hauroto Hawera	$\substack{1,276\\92}$	$\frac{250}{31}$	1,302 155	,,	,,	Foreign trade Home trade	8	$\frac{6}{2}$	3	3	
Heathcote	94	35		"	"	Extended river					First survey.
Hather	6 5	8 5		Oil-engine	"	Restricted limits	• •	••		••	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Himitangi	149	45	278	Triple-expansion	"	Foreign trade	4	3			
Hina (Nelson) Hinemoa (Ho-	39 1	$\frac{20}{2}$	76	Compound	,,	Home trade	2	1	••		Val. 4
kianga)	1	~		Oll-engine	, , , , ,	Restricted limits	• •	••	••	••	First survey.
Hinemoa (Rotorua) Hipi	4 13	10 11	• •	Majaja anna a aisa	- "	77 (1 1 1	• •				,,
Hirere	18	16		Triple-expansion Compound	Twin-screw	Extended river	• •	• •	••	••	
Hobsonville	23	15		Oil-engine	Screw						
Hoha Hokimai	6	10 10		, , , , , , , , , , , , , , , , , , , ,	Twin-screw Screw	Restricted limits	••	• •		• •	First survey.
Holliday	4	15		<i>"</i>	" ··	"				• •	<i>v</i>
Holmdale	197 78	$\begin{array}{c} 27 \\ 45 \end{array}$	119	Compound Oil-engine	,,	Home trade	4	2			
Huanui	59	45		Uli-engine	,,	Foreign trade	2				
Huia (Hamilton) Huia (Kaipara)	1 3	4 5	• • •	,,	,,	Restricted limits			• • •		First survey.
Huia (Auckland)	200	60		"	,	Home irade	4		•		. "
Huia (Wellington)	69	23	121	Compound	,,	,,	2	2	::		
Huia (Wellington) Huia (Wilson's Bay)		2 41		Condensing Oil-engines	,,	River Restricted limits	••	••	••	$ \cdot\cdot $	Dinet annual
Ida	1	2^{-}		" ··	,,	"					First survey.
Ilex Invercargill	$\begin{array}{c} 4 \\ 123 \end{array}$	10 41	233	Compound	Twin-screw	Home trade	•;	•	••		,
Ira	4	6		Oil-engine	Screw	Restricted limits	4	2		::	First survey.
Irene (Waikato) Irene (Kaiapoi)	3	6 8	••		<i>"</i>	,,	••				" " " " " " " " " " " " " " " " " " "
Irini	6	15		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,			•			
Iris (Auckiand) Iris (Coromandel)	3	12 6		•	, ,,	River					First survey.
Iris (Waikato) 🐪	3 3	5	::	*	" · · ·	Restricted limits		••	• • •	•••	#
Isa (Whangarei)	4	$7\frac{1}{2}$		"	"	River		::		::	"
Isa (Picton) Isabel	3 2	5 8		,,	"	Restricted limits	•	••	••		Wingt conver-
Isabella de Fraine	76	60	::	" · ·	Twin-screw	"					First survey.
Ivy Ivy Leaf	9	19 6		,	Screw	,,	••	•••			First survey.
Jane	20	20		"	,,	"		::		•	*
J.D.O	88	28		Compound	,	. "					

^{*} Surveyed twice.

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

	er.	orse power	Horse power engines.		Nature	Class of	ber Clas Law	of fo	ollov of C	um- ving rew es to	D
Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated H of Steam-er	Nature of Engines.	of Propeller.	Certificate.	Able Seamen.	Firemen.	Trimmers.	Greasers.	Remarks.
Jersey Lily	4 111	12	105	Oil-engine	Screw	River	4	2			First survey. First N.Z. survey
John John Anderson	36	40 20	195	Compound	,,	Extreme limits				::	First N.Z. survey
John Kennedy	4	12		Oil-engine	,,	Restricted limits					
Kaeo Kahu (Auckland)	147 25	60 40		,,	Twin-screw Screw	Home trade Restricted limits	4	••			
Kahu (Napier)	99	40	227	Compound	"	Home trade	2	2			
Kaiaia`	24	24		Oil-engine	Twin-screw	,	1	• •	٠.		
Kajapoi Kaipara	1,246	$\frac{201}{4}$	1,031	Triple-expansion Compound	Screw	Foreign trade River	7	3		3	
Kaipara Kaipatiki	20	9	• • • • • • • • • • • • • • • • • • • •	Triple-expansion	<i>"</i>	Extended river					
Kaipoi	4	9	***	Oil-engine		Restricted limits		• •			First survey.
Kairaki (Lyttelton) Kairaki (Kaiapoi)	182	92 5	526	Triple-expansion Oil-engines	Twin-screw Screw	Home trade Restricted limits	4	3		••	First survey.
	1,219	200	1,234	Triple-expansion	"	Foreign trade	7	3	2	3	Elist sarvoy.
Kaitoa	118	65	267	Compound	Twin-screw	Home trade	4	3		٠.:	
Kaituna (Dunedin) Kaituna (Tauranga)		$\frac{200}{10}$	1,008	Triple-expansion Oil-engine	Screw	Foreign trade Restricted limits	7	3		3	
Kamona	903	117	748	Triple-expansion	, ···	Foreign trade	6	3			
Kanieri (Auckland)	115	20	143	Compound		Home trade	4	2		• •	****
Kanieri (Hokitika) Kapiti	$\begin{array}{c c} 2\\114\end{array}$	3 <u>3</u> 35	203	Oil-engine	,	Restricted limits Home trade	4	2			First survey.
Kapiti Kapui	30	30	200	Non-condensing	,,	Extended river			• • •		
Kapuni	97	30	190	Compound	,,	Home trade	2	2			
Karaka	10 452	$\begin{array}{c} 22 \\ \textbf{102} \end{array}$	645	Triple-expansion	,,	Extended river Foreign trade	5	3	• •	••	
Karamu Karewa	4	3	040	Oil-engine	"	Restricted limits			::		First survey.
Karori	1,194	147	898	Triple expansion	,,	Foreign trade	7	3	2	1	_
Karoro Kate (Foxton)	52	17 5	••	Compound Non-condensing	,,	Extended river River		• •	• • •	••	
Kate (Foxtor) Kate (Batley)	5	14	•••	Oil-engine	,,	101401		• •			First survey.
Katoa	1,382		1,661	Triple-expansion	,	Foreign trade	7	6			
Kauri Kawa	[1,830]	304 5	1,226	Oil-engine	,	Restricted limits	8	3	2	3	
Kawau (Auckland)	53	20	82	Compound	,	Home trade	2	1			
Kawau (Auckland)	37	14		,,	<i>"</i>	Extended river		• •			***
Kelvin	131	7 39	131	Oil-engine Compound	Twin-screw	Restricted limits Home trade	4	2	::	••	First survey.
Kennedy Kereru	131	5	151	Oil-engine	Screw	Restricted limits			::	::	First survey.
Kestrel	159	43	٠.	Compound	Screw	Extended river	• •		٠.	٠.	
Kia-Ora	11/2	4		Oil-engine	(double end) Screw	Restricted limits					
Kina	5	10		" ··	,,	"					
Kingfisher	5		٠.	,,	"	"	••	••	٠٠		First survey.
King Hami	702		662	Triple-expansion	,,	Home trade	6	3		::	•
Kini Kinohaku	6			Oil-engine	"	Restricted limits			· · ·		First survey.
Kiripaka	75	24	89		m "	Home trade	2			••	Tayt
Kiritona Kittawa	75 708		735	Oil-engine	Twin-screw Screw		6	3	• •	::	First survey.
Kiwi (Te Kopuru)	16			Non-condensing	,	Restricted limits					
Kiwi (Invercargili)	1	2	٠.	Oil-engine	" ··	" " 11 **		••			
Koi Kokeri	54			Compound	Twin-screw Screw	Extreme limits Restricted limits					First survey.
Kokeri Kokiri	4	8		,	,,	River		• • •			1 1150 Bal 10y.
Komata	1,194		1,230	Triple-expansion	,	Foreign trade	7	3		3	
Koonya Kopapu	663	115 4 <u>1</u>	715	Oil-engine	,,	Home trade Restricted limits	6	3	••		First survey.
Kopapu Kopu	18	13		Non-condensing	Paddle	Extended river		• •	::	١	r iros sarvoy.
Koputai	5		448	Compound		Home trade	1	3			Tug.
Korari Koroi (Thames)	4	9 1	•••	Oil-engines Quadruple-expan-	Screw	Restricted limits Extended river		• •	::'	•	First survey.
ixoror (rnames)		ু বু	•••	sion	"	ISABORACA TIVOL		•			
Koroi (Hokianga)	3	7		Oil-engine	,	Restricted limits		٠.	٠:		First survey.
Koromiko Kotare	$1,541 \\ 79$	313 20	1,519 152	Triple-expansion Compound	,,	Foreign trade Home trade	8 2	$\frac{6}{2}$			
Kotere	5	6		Oil-engine	,,	Restricted limits			٠.	\	First survey.
Kotiti	42			Compound	,	Home trade	2	1	٠.	• •	•
Kotuku Koutu	662		735	Triple-expansion Oil-engine	"	Restricted limits	6	3		• •	*
Koutu Koutunui	98		149	Compound	Twin-screw	Home trade	2	2			
Kowhai	414		597	Triple-expansion	Screw	Dimer " ···	5	3			
Kura Kurow	16 1,564		1,629	Oil-engine Triple-expansion	,	River Foreign trade	8	6		3	
Kurow	2	7	1,029	Oil-engine	,	Restricted limits					
Lady Moira	2	5		,	,	"		• •		ļ ,	First survey.
La Mascotte (Pict'n)	4	10	••	,,		"		• •		<u> </u>	<u> </u>

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

Name of Vessel.	er.	orse - power sugines and se-power of	icated Horse-power Steam-engines.	Notang of E	Nature	Class of	ber Clas	of fores	ollo of (juir	lum- wing Crew es to	
Maine of Yessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated F	Nature of Engines.	of Propeller.	Certificate.	Able Seamen.	Firemen.	Trimmers.	Gressers.	Remarks.
La Mascotte (Ro-	1	4		Oil-engine	Screw	Restricted limits			·		First survey.
Larola (Picton) Larola (Wanganui)	4 3	10 10		,,	,,	"	$ \cdots $	••			First survey.
Lena	12	.8	»	"	,	"					
Lillian	4	10 10		"	,,	"		• •	• •		First survey.
Little Jack		$1\frac{1}{2}$		Non-condensing	,,	River					,,
Little George Lizzie 222	4	6 4		Oil-engine	,,	Restricted limits				• •	First survey.
Lomen		6		Compound	<i>"</i>	River				::	"
Loyalty	$\begin{vmatrix} 24 \\ 3 \end{vmatrix}$	35 10	78	Oil-engine	"	Home trade	1	1	٠,		Fishing.
Lyttelton (Auckl'd)	24	80	234	Compound	Paddle	Home trade	i	2			
Lyttelton (Lyttel'n)	$\begin{vmatrix} 1\\58 \end{vmatrix}$	133 60		Oil orgina	Twin-screw	Extreme limits		••	••		
Magic Maheno	24	90	::	Oil-engine	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Home trade		• •	••		
Mahino	6	5		"	Screw	Restricted limits					First survey.
Mahinapua Mahua	1 353	$\begin{array}{c c} 4\\28 \end{array}$::	Compound	Twin-screw	River "	::	• •	••		Floating-crane.
Mahurangi	95			,,	Screw	Extended river					
Mahuroto	$\frac{4}{13}$	12 10	::	Oil-engine Compound	"	Restricted limits River		• •			First survey.
Maidi	12	103		,	"	,,				• •	
Maitai Majestic (H'kianga)	1,888 2	490 5	3,327	Triple-expansion Oil-engine	,,	Foreign trade	9	9	1	1 1	Wings organization
Majestic (Mercer)	3	7	::	"	,,	"					First survey.
Makere	3 4	$\begin{array}{c} 4 \\ 12 \end{array}$,,	,,	"		٠.	٠.		,,
Mako	2			"	,	,,					
Mana (Riverton)	2	4	19.		,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					, "
Mana (Wellington) Mana (French P'ss)	77	$\frac{25}{6}$	134	Compound Oil-engines	,,	Home trade Restricted limits	2	2		•••	
Mana (Westport)	51	90		Compound	Paddle	,,					
Manaia	3 78	-7 24	147	Oil-engine Compound	Screw	River Home trade	2	2	٠.	••	
Manchester	366	160	769	Triple-expansion	,	Foreign trade	4	3	2	2	Dredge; since wrecked.
Mangapapa	87	28	191	Compound	,,	Home trade	2	2			
Manukotuku Manuwai (T'r'nga)	3 5	16 30		Oil-engine	<i>"</i>	Restricted limits					First survey.
Manuwai (Wang'ui)	94		- 050	Non-condensing	<i>,</i>	River					"
Maori (Dunedin) Maori (Inver'gill)	1,433	· · · 5	5,859	Turbines Oil-engine	Triple scr e w Screw	Home trade Restricted limits	8	15	9	3	First survey.
Maori (Hamilton)	2	5			,	,,					"
Maori (Portage) Mapourika	3 718	10 130	1,194	Triple-expansion	,,	River	7		2	3	t
Mapu	3	10		Oil-engine	Twin-screw	Restricted limits				٠.	
Marama Mararoa (D'nedin)	1 221	6 530	3,238	Triple-expansion	Screw	Home trade	8	9	6		First survey.
Mararoa (Rotorua)	2	6		Oil-engines	"	Restricted limits				3	First survey.
Marawa Mareno	5 4	18 5		. "	,,	,, ,					, , , , ,
Maritana	4	В		Oil-engine	,,	"		• •			" .
Marokopu	4 5	7 8	•••	,,	<i>"</i>	"		• •		١	First survey.
Maroro Mascotte (Wang'ui)		12		Non-condensing	<i>"</i> · · ·	River	::	• • •		• • •	
Mascotte (Waikato)		5		,,	<i>i</i>			٠.			
'Matakokiri Matariki	3	10 6		Oil-engine	"	Restricted limits	••			• •	First survey.
Matariki (Tuakau)	3	6		"	<i>"</i>	River "					"
Matariki (L'ttelt'n) Matarere	4	10		Compound	,,	Restricted limits River	••	• •	٠	••	, , , , , , , , , , , , , , , , , , , ,
Matuku		4	::	Non-condensing	<i>"</i> •••	,			• •		
Maude Maui	1 251	3 80	534	Oil-engine Compound	Twin-screw	Restricted limits Home trade	4	 3			First survey.
Maukena	1	4	0.5	Oil-engine	Screw	Restricted limits					Dredge. First survey.
Mavis (Dunedin) Mavis (Stewart I.)	3	10 5		,,	<i>"</i>	River Restricted limits		٠.,			<i>"</i>
Mavis (Manakau)	· 2	6	::	"	,,	,,	:-	• •			" :
'Mawhera May (Awanui)	292 2	168 4		Triple-expansion	Twin-screw	Home trade	4	3	2	_	
May (Rawene)	2	6	::	Oil-engine	Screw	Restricted limits		• •	••		First survey.
May (Wanganul)	1	4		,,	,	River		••			" 13.60 ±
May Howard	55 4	45 10		,,	Twin-screw	Home trade Restricted limits	2				First survey.
Mere Ana	4	12		· · ·	Screw	, , , , , , , , , , , , , , , , , , , ,					- AND BULVEY.
Mere Mere	•• '	3		Non-condensing		River	i'			ļ¹	

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

Name of Vessel.	ter.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Horse-power engines.	Nature of Engines.	Nature	Class of	ing Cro qu	r of g Cl ew	foll asse Law to	ow- s of re-	Remarks.
	Tons Register.	Nominal F of Steam Brake Ho Oil-engine	Indicated of Steam-	:	of Propeller.	Certificate.	Able Seamen.	Firemen.	Trimmers.	Greasers	1.50
Merlin (Auckland) Merlin (Picton)		4 5		Compound Oil-engine	Screw	River Restricted limits					
Mermaid (A'ckland)		1		,,	,,	"			١		First survey.
Mermaid (Fr. Pass)	4			· " .,••		*					
Mermaid (Hok'ga) Mermaid (Tuakau)	1	_		"	Twin-screw	"	• •	• •	::		*
Merry Duchess	4	8		,	Screw	River					" *
Meteor	9			,,			••	• •		••	
Midlothian	6			,	"	••	••	• •	٠٠.		First survey.
Minoru	9	10		, , , , , , , , , , , , , , , , , , , ,	,	Restricted limite					"
Mirree	2			,		,,			٠.		,,
Mizpah (P'lor's Sd.) Mizpah (Picton)	5			,,	Twin-screw Screw	River "	• •	• •	٠٠		Winet annuar
Moa (Henley)	5		::	*	Bolew	Restricted limits					First survey.
Moa (Wanganui)	18			,,	,,	,,			٠.		,,
Moa (Wellington)	92			Compound	,	Home trade	2	2			ner i
Moana (Gt. Barrier) Moana (Dunedin)	2,414		4,216	Oil-engine Triple-expansion	"	Restricted limits Foreign trade	10	9	6	3	First survey.
Moana (Moana)	6		4,210	Oil-engine	"	River	10				
Moana (Picton)	4	8		"	,	Restricted limits					
Moata	$\begin{bmatrix} 2,715 \end{bmatrix}$		4 000	/II . ",	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,	1::	٠.	٠.		First survey.
Moeraki			4,082	Triple-expansion Oil-engine	Twin-screw Screw	Foreign trade River	11	9	ĺ	3	. *
Moerangi (Whanga-	1 .	2		on-engine	Twin-screw	Restricted limits			::		First survey.
rei)									1		
	2,154		2,944		Carery	Foreign trade	10	-	1	1 -	
Mosoia (Rotorua) Mona	2			Oil-engine	Screw	Restricted limits		· ·	::	1	First survey.
Monica II	29			Compound	"	Extreme limits	1			1	"
Monowai	2,137		[2,885]	Triple-expansion		Foreign trade	10	- 9	9	3	
Mosca Moturata	1 18			Oil-engine	"	Restricted limits		١.			First survey.
Moturata	10	1		Compound	,	River "					
Mountaineer	66	50		, , , , , , , , , , , , , , , , , , , ,	,	,			١		
Moura	1,247		1,865		Twin-screw	Foreign trade	8	6	1 -	1 -	
Mullogh Muratai	46			Vertical Oil-engine	Screw Twin-screw	Restricted limits	::	::		1	Fishing.
Muriel (Napier)	16			Compound	Screw	Extended river			1	1	Fishing.
Murihiku	368	1	524		Twin-screw	Home trade	4	3	٠.		Dredge.
Myna Myrtle	1			Oil-engine	Screw	River Restricted limits		٠٠			First survey.
Namu	2		'	,,	,	Liestricted filmits			::		"
Napier	48	30		Compound	,	Home trade	2	1			Trawler.
Natone	50			. "	, ,	River	••	• • •			
Naumai (Kaipara) Naumai (Kawhia)	29		::	Oil-engine	, ,	Restricted limits	• •			::	First survey.
Nautilus (Bluff)	6			On-engine	"	"		::	1	1	This survey.
Nautilus (One-	6	6	••	,,	,,	River		٠.		,	,,
hunga) Navua	1 019	220	1,978	Triple-expansion	Twin-screw	Foreign trade	9	6	3	3	
Nellie Mason	1,813 14		1,910	Oil-engine	Screw	River	9			I	
Neptune	2			,	,	Restricted limits					First survey.
Never Despair		112		Non-condensing		River	::	٠.			
Ngahere Ngapuhi	556 299		719 675	Triple-expansion	Twin-screw	Home trade	6 5	3			
Ngaru (Huntly)	200			Oil-engine	Screw	Restricted limits					
Ngaru (Thames)	3	4			,	River			١		
Ngatiawa	220		415	Triple-expansion	Twin-screw	Home trade	5	3 3	1	• •	and the second
Ngatoro Niagara	583 5		724	Oil-engine	Screw	Restricted limits	5		• • •		First survey.
Nick	6			"		"			1		" " " " " " " " " " " " " " " " " " "
Nicola	4		345	~ . "	"						·
Nikau	98		245	Compound Oil-engine	Twin-screw Screw	Home trade	2	3	i		
Nimrod (Rotorua)	2 7	33		Oil-engine	Screw	Restricted limits				::	First survey.
Nina				Compound	,,	River					
Nita	9			Oil-engine	"	Restricted limits River			٠٠	•••	First survey.
Nopera 'Nora Niven	57		167	Triple-expansion	,,	Home trade	2	2		::	Trawler.
Norah	2	4		Oil-engines	,,	Restricted limits				::	First survey.
No. 121	394	1 : 2		Compound	Twin-screw			٠.		١	Dredge.
No. 222	502 488		883 707	Triple-expansion	•	Home trade	5			3	,,
No. 404	211			Compound	, , , , , , , , , , , , , , , , , , ,	River	,"	۱.,			"
Nui	4	10		Oil-engine	Screw	Restricted limits					First survey.
Nydia	1	4		, -	l "	River	l	١	1	2.5	1

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

Name of Warra	ют.	orse - power angines and se power of	Horse-power	Nature of Engines.	Nature	Class of	ins Cr qu	r of Cla ew	foll asse Law to	ow- s of	Remarks
Name of Vessel.	Tons Register	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated F of Steam.e	Nature of Engines.	of Propeller.	Certific ate .	Able Seamen.	Firemen.	Trimmers.	Greasers.	
ymph	1 73	3 (143	Oil-engine Triple-expansion	Screw	Restricted limits Home trade		·			First survey.
bura	34	25		Condensing	Twin-screw	River		••			
.K	4 5			Oil-engine	Screw	Restricted limits	::	::	• •	::	
eo ive	1			,,	,,	Restricted limits			•		First survey
ive Branch	3	9		,,	,,			•••			
newa	31 7			Compound Oil-engine	,,	Extended river River			• • •		
ngarue	2		•••	On-engine	"	Restricted limits	::				First survey
arau	5	5					.:	.:	• •		*
awa	64 218		86 484	Compound Triple-expansion	,,	Home trade Foreign trade	2	1	• •	::	
ouri	218	5	404	Non-condensing	<i>"</i>	River				::	
ete	92	60		Oil-engine	,,	Home trade	2	٠: ا			
ewa	37		79	Compound Oil-engine	"	Restricted limits	2	1	••	::	First survey
ira prey	$\begin{array}{c} 2 \\ 138 \end{array}$	4 70	•••	Compound	Paddle	River			••	::	11150 50210)
ara	3	12		Oil-engine	Screw	· · ·	۱ - ۱			٠٠١	
unui	12		· <u>·</u> .		,	River		1	• •	1	
ieroa	46 6		74	Compound Oil-engine	,	Restricted limits	1 1				First survey
lkeha	3			" ··	,	,,					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
hiki	14			,,	"	"		٠.,	• •		Til
ndora	5 35		•••	Compound	,,	. "	::		• •	•••	First survey Fishing.
nia nirau	30 3	11 20		Compound	Twin-screw	"			••		First survey
raroa	4	8		,	Screw						"
rera	6		::.	Non-condensing		River	4		• •	••	Dredge.
ritutu	23 3	90 10	648	Triple-expansion Oil-engine	Twin-screw Screw	Home trade	4		• •		Dreuge.
rua teena	550	250	1.986	Compound	,	Home trade	6	6	3	3	
titi	6	15		Oil-engine	,,	Restricted limits		• •			TO!
arl (Kohukohu)	3	5	••	Man condensing	<i>"</i> · ·	River	••	- •	• •	••	First survey
arl (Kaipara) arl (Havelock)	9	- 7 5		Non-condensing Oil-engine	<i>"</i>	Restricted limits			• •		First survey
arleen	6	10		,	,,	,,					,
lican	1	57	298	Triple-expansion		Home trade Restricted limits	1	3	• •		First survey
lorus (Auckland) lorus (Havelock)	3 18	12 40	••	Oil-engine	"	River	1 ::	•	•	::	First survey
tone	388		490	Triple-expansion	,,	Home trade	4	3			
strel	3	10		Oil-engine	,,	River	• •	••		• •	Tili a la i a a a
nantom	18 4	11 10		Compound Oil-engine	,,	Reetricted limits		•••	••	••	Fishing. First survey
yllis (Hokitika)	1		\ :: '	"	,,	",					"
yllis (Russell)	4		j	,	Twin-screw			٠.	٠.		"
hinga	3 11		•••	Compound	Screw	Extended river	••	- •	· · ·	٠.	"
lot (Lyttelton) lot (Nelson)	3		•••	Compound	,	Restricted limits		• •	· · ·		First survey
lot (Wellington)	27	15		Triple-expansion	,,	River					-
oneer	. 1	4		Oil engine		Restricted limits Home trade	1	• •		• •	First survey
toitoi (Waitara) anet	19 4			Compound	"	River	1	1		::	
ucky	29		271	,	,	Home trade	1	3	١	::	Tug.
herua	749		683		,	Dontal # 233	6	3			
esto	9			Oil-engine Compound	,,	Restricted limits River		• •	• •	::	-
esto	112		162	// Compound	,,	Home trade	4	2	••		
yche (Rotorua)	1	6		Oil-engine	,,	Restricted limits		• •	٠.		First survey
ıkaki	917	110	645	Quadruple-expan- sion		Home trade	6	3	• •	(
ikeore	4	7		Oil-engine		,			٠.	į	First survey
ipuke	68	28	::	Compound	Twin-screw	River		.,			
irau	33		001		Screw	Extended river Home trade	4	3	٠٠	• •	
ıtiki	157 2		281	Oil-engine	,	Restricted limits			· ·		First survey
neen of the South	121	40	182	Compound		Home trade	4	2			-
een of Beauty	4			Oil-engine	,,	Restricted limits		••	٠.		First survey
(Hamilton)	5	5	1							1	
adium akiura (Dunedin)	82		108	Compound	"	Home trade ··	2	2	::		"
kiura (Stewart I.)	13	10		Oil-engine		Restricted limits			٠.	١.,	
akanoa	1,393		938			Foreign trade	7	3		1 -	
alaco angi (Pelorus)	2 4			Oil-engine	,	River Restricted limits		• •	••	1	First survey
angi (Pelorus) angi (Tuakau)	2			"	, , , , , , , , , , , , , , , , , , , ,	"			• • • • • • • • • • • • • • • • • • • •		" "
ingi (ruunuu,	2	10		,, ,,		, ,]				

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

Name of Warran	ær.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Horse power engines.	Nature of Engines.	Nature	Class of	in: Cr qu	muir of g Cli ew lires rried	toll asse Law to	ow- s of re-	Remarks
Name of Vessel.	Tons Register	Nominal H of Steam-e Brake Hor Oil-enginer	Indicated F of Steam-e	Assure of Engines.	of Propeller.	Certificate.	Able Seamen.	Firemen.	Trimmers.	Greasers.	
Rangiriri	2	6		Oil-engine	Screw Twin-screw	Restricted limits Home trade			2		First survey.
Rarawa	460 2	140	1,003	Triple-expansion Oil-engine	Screw	Restricted limits				٠.	First survey.
Rawene	3	16 5	::	,,	Twin-screw	,,	::			• • •	"
Redwing	5	12		, .	,,	River "		• •	٠.	::	
tegal tegulus	$\frac{1\frac{1}{2}}{227}$	10 150	695	Compound	Twin-screw	Home trade	4	3	• •	٠.	
Reliance (Hok'nga)	3	5 14		Oil-engine	Screw	Restricted limits	$ \cdots $	••		••	First survey.
Reliance (Kaipara) Reliance (Picton)	$\frac{5\frac{1}{2}}{2}$	1		Non-condensing	"	River					"
Reliance (Raglan)	2 1 4	10		Oil-engines	,,	Restricted limits				• • •	**
Rene Result	18	. 10		Compound	,,	Restricted limits					Fishing.
Rimu	144 8	95 5	526	Triple-expansion Oil-engine	Twin-screw Screw	Foreign trade River	4	3	::		
Ripple (Auckland) Ripple (Hokianga)	2	6		,	,,	Restricted limits					First survey.
Ripple (Lyttleton)	187 5	80 11	290	Triple-expansion Compound	,,	Home trade	4	2 1	• •	• • •	Fishing.
Rita Roamer	4	8 1	::	Oil-engine	,,	Restricted limits			, .		First survey.
Rodesian	4	8		,,	,	"	••	•	• •	••	,,
Roko Rona	4	12		,,	,	"			• •		"
Rosamond	462 4	90 10	451	Compound Oil-engine	,	Home trade	5	3			
Rose	1	2	::	,	,,	Restricted limits					First survey.
Rotoiti	6 11	30 8		Compound	,	Extended river	:-	• •		• • •	
Rotokohu Rotomahana	139	50	228	- ,	,	Home trade	4	2			
Rotongaro Rotorua No. 1	4 1	14 5		Oil-engine	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Restricted limits	::		• •	••	First survey.
Ruahine (Akaroa)	5	12		,,	,,						,,
Rubi Seddon Ruru (Auckland)	349 11	80 10		Triple-expansion Compound	Twin-screw Screw	Extended river					
Ruru (Moana)	3	8	L	Oil-engine	,,	Restricted limits			• • •	• •	First survey.
Ruru (Napier) St. George	58 2	50 8	223	Compound Oil-engine	,,	Home trade	2	2		• •	
St. George St. Mary	1	4		"	,,	Restricted limits					First survey.
Sarah Savaii	$\frac{1}{31}$	3 16	::	Condensing	,,				• •		*
Saxon	34	50		Oil-engine	,	Home trade	2				First survey.
Scout	4	20 14		,,	Twin-screw	Restricted limits				• •	First survey.
Sea Mew	2	6		,,	Gamer.				٠.	••	,,
Sea Queen Sea Wolf	10 5 1 2	$25\frac{1}{2}$ 28		,,	Screw	W W				• •	
Secret	¹ 3 }	10	· · ·	,,	Twin-screw	Dimor "		• •	• • •	• •	First survey.
Settler (Russell) Settler (Thames)	8 6	7 18		Compound Oil-engine	Screw	River					First survey.
Shamrock	60	120			Twin-screw	Home trade Restricted limits	2	• •			Wichina
Sir William Wallace Sonoma (Hokianga)	30 4	20 10		Compound Oil-engine	Screw Twin-screw	*				••	Fishing. First survey.
Sonoma (Kaipara)		13 4		Non-condensing Oil-engines	Screw	River				••	First survey.
Sonoma (Rotorua) Southern Cross	403	117	357	Triple-expansion	Screw	Foreign trade	6	3		••	Littou Burvey.
Southern Isle	59	28		Oil-engine Triple-expansion		Home trade River	2			••	
Sparrow Sparrowhawk	99	$\frac{1\frac{1}{2}}{32}$	260	Compound	"	,			::	••	First survey.
Special	5 1	2		Oil-engine		Restricted limits		• •	• • •		*
Speed Speedy	3	5		,	,	,,	::			••	"
Spray	2 133	3 60	258	Compound	. "	River Home trade	4			!	
Squall Standard	9	10	200	Oil-engine	<i>"</i>	River				•••	
Stanley	$\frac{2}{2}$	$\frac{7\frac{1}{2}}{4}$	•••	,	,	Restricted limits	••				First survey.
Stella (Hokianga) Stella (Whangarei)	$3\frac{1}{2}$	8	• • •	,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	River	• •				<i>w</i> .
Sterling (Kaipara)	26 4	39 28	172	Compound Oil-engine	<i>"</i>	Foreign trade Restricted limits	1	3		••	
Sterling (Auckland) Storm	186	70	270	Compound	"	Home trade	4	3			
Stormbird	129 2	40 5	203	Oil-engine	<i>"</i>	 Restricted limits	4	2		••	First survey.
Stromboli (Fr.Pass) Success (Thames)	8	8		on-engine	,,	River				::	. -
Success (Moana)	$\frac{2}{94}$	3 35	••	Compound	,,	Restricted limits	• •				First survey.
Sumner Swan (Mokau)	5	10		Oil-engine	Twin-screw	. "					First survey.
wan (Gisborne)	16	10		Compound		,,			,		Fishing.

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

Name of Vessel.	ster.	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.	ing Cr qu	mur r of c Cla ew l ires rried	follasse Law to	ow- s of re-	Remarks
	Tons Register	Nominal of Steam Brake Ho	Indicated of Steam				Able Seamen.	Firemen.	Trimmers	Greasers	
Sybil	. 1	5		Oil-engine	Screw	Restricted limits					First survey.
Sylph (Hokianga) Sylph (Kaipara)		8		Non-condensing	,,	River	• • •				"
*Sylvia	. 9	9		Oil-engine	"	Restricted limits		, .	• •		First survey.
Tahuna	$\begin{bmatrix} 3 \\ 2 \end{bmatrix}$	8		,,	"	"			• •		First survey.
Tainui (Auckland) Tainui (Tuakau)		24 6	151	Compound Oil engine		Home trade Restricted limits	2	2	• •		First survey.
Tainui (Gt. Barrie	r) 2	6 165	1,360	,	"	Home trade	6		3	3	# 1
Takapuna . Takitimo .	. 2	5		Oil-engine	,,	Restricted limits					First survey.
Talune *Tanfield Lea	. 3	255 12	1,660	Oil-engine	" .,	Foreign trade Restricted limits		6 	3	3	First survey.
Tangaroa . Tangihua .	. 110	70 15		Compound	Twin-screw	Extended river River		• •			
Taniwha (Auck land)	- 191	40			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Extended river	• •	• •		, -	
Taniwha (Timaru)		16		Non-condensing	"	D:"			••		
Tarakihi Tarawera	1269	250	1,503		"	River Home trade	8	6	3	3	1. 1. 1. 2. 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.
Tarewai	. 11	6 45	198	Non-condensing Compound	"	River	2	2		• •	
*Tauranganui . Taviuni .	. 3	135	931	Oil-engine Quadruple-expan-	Screw	Restricted limits Foreign trade	6	3		3	First survey.
19 78 \$ 17 F		40		sion Oil engine	,	Extended river					
Tawera (Gisborne) Tawera (Hamilton) 2	$7\frac{1}{2}$,,	River	5	• •			First survey.
Tawera (Mercer) . Te Akau	. 2	7	::	Non-condensing Oil engine	Twin-screw	Restricted limits			•••		First survey.
*Te Anau .	. 1028	250 85	1,238	Compound Oil-engine	"	Home trade	8 2	3		3	
Te Aumiti Te Awhina	$\begin{array}{c c} 3 \\ 2 \end{array}$	10	588	Triple-expansion	v	River Home trade	1				Tug.
Te Kooti	. 2	5	:: · · ·	Oil-engine	"	River Restricted limits		•	••		First survey.
*Te Kura Te Maika	. 5	10		<i>"</i>	, " , "	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			• •		r itsu survey.
Te Pioneer . *Te Puke Lass .	. 3	13 15		Compound Oil-engine	Screw	River Restricted limits			• • •		First survey.
Te Pua Te Rangi .	1 0	10		,,	"				•		"
Te Rino	. 4	5 3		,,	,,	"	• •		••	• •	,,
Te Wake	. 3	5 45		Compound		Extended river					"
Te Whaka . Te Wharu .	. 3	71	::.	Oil-engine	,,	Restricted limits					First survey.
Terawhiti Thelma (Kaipara)	. 47	90	::	Triple-expansion Oil-engine	"	Home trade Restricted limits	2	3	• •		Tug. First survey.
*Thelma (Queenst') The Minerva	1 00	5 14		Compound	<i>"</i>	Extended river	1				
The Peregrine Theresa Ward	. 162	52 95	473	Triple-expansion		Home trade	1	3	• •		Tug.
Thistle (Kaiapoi).	. 4	5		Oil-engine		Restricted limits					First survey.
Thistle (Kaipara). *Thistle (Moana).	. 1	5 4		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,				••	First survey.
Thistle (Wanganu Thomas King	'	90	* *55	Compound	Twin-screw Screw	Home trade Restricted limits	2		••	• •	11
Thornicroft Tikirau	I	6 20	,	Oil-engine	# (** # ,*;	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-:		•		First survey.
Tikiteri	. 3	8 13		"	,,				•••		" - 1 - 1 to 1 - 1 to 1 - 1 to 1 - 1 to 1 - 1 to 1 to
Tofua	2634	355	3,234	Triple-expansion	Twin-screw	Foreign trade	11	9	6		,"
Togo (Wanganui) Togo (Auckland)	. 5	14 12		Compound Oil-engine	Screw	River	100				First survey.
Toiler Tongariro .	. 28	$\frac{13\frac{1}{2}}{8}$	••	Compound	"	,,	••		• •	••	
Torea Toroa	. 24	60 2 1		Oil-engine	Twin-screw Screw	Restricted limits	••]	First survey.
Tot	. 6	16		Compound	,,	River			••		in the second of
Traveller Tuatea (Gisborne)	58	28	232	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	Home trade		2			Direct Sylvenses
Tuatea (Raglan) . Tu Atu	. 30	8 60	.:	Oil-engine	Twin-screw	Restricted limits					First survey.
Tui (Hamilton) . Tui (Hokianga) .	$\begin{bmatrix} 2 \\ 1 \end{bmatrix}$	4½ 1½		**************************************	Screw	"	::		• • •		First survey.
Tui (Nelson)		5		• 32 2•••				::	•••		"
Tar (T twoon):	- 1 -	2			eyed twice.						· · · · · // · · · · · · · · · · · · ·

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

Name of Vessel.	ter.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse power of Steam-engines.	Nature of Engines.	Nature	Class of	ing Cr qu	r of Cla	follousses Law to	ow- of re-	Remarks.
	Tons Register	Nominal For Steam Brake Ho Oil-engine	Indicated of Steam-		of Propeller.	Certificate.	Able Seamen.	Firemen.	Trimmers.	Greasers.	
Tui (Rawene) Tui (Whangarei)	3 20 72	. 5 6 1		Oil-engine	Screw	Restricted limits Extended river			••	• • •	First survey.
Tuirangi	11	$-22\frac{1}{2}$		Triple-expansion Oil-engine	Twin-screw	River				• • •	1477
Tuna Turamakina	23	მ კ 5	::	Compound Oil-engine	Screw	Restricted limits	$ \cdot $	• •		• •	First survey.
Turanga	18	25		% · · ·	,,	"	. i				
Tutanekai Uira	2 4	8 3 1			Twin-screw Screw	River		• •	• •	• •	First survey.
Undine	5	10	::	,	Twin-screw	Restricted limits					First survey.
Uta Utu	23 2	. 50 8	••		Screw	"			••	• •	First survey.
Vanora	5	24		, , , , , , , , , , , , , , , , , , , ,		" .					
Vectus Vesper (Auckland)	22 20	16 32			Twin-screw	Home trade	1	•••	••	••	19 7 H H A. V
Vesper (Kaipara)	3	16		, ,,,	Screw	Restricted limits					First survey.
Victoria (Rotorua) *Victory (Auckland)	16	20 16	•••	in in	<i>"</i> . •••	"			• • •	••	"
Victory (Mercer)	2	9		<i>"</i>	"	" " " " " " " " " " " " " " " " " " "				• • •	First survey.
Victory (Rotorua)	3 5	6 14		. "		"		••,		• •	"
*Viking Violet	8	6		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"	" "	::	• •		• •	"
Vivid	15	$\frac{13}{24}$	• • •	Non-condensing	Twin-screw	River		• •		• •	
Vixen W	11	26		Oil-engine	Screw	Home trade Restricted limits	1	• •			
Waiapu	$\frac{57}{2993}$	15		,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2				
Waihora Waihou	4	410 12	1,811	Triple-expansion Oil-engine	Twin-screw	Foreign trade Restricted limits	10	6	3		First survey.
Wai-iti (Akaroa)	5	47		,,	Screw						, and a second
Wai-iti (Wanganui) Waikana	5 66	$\frac{45}{200}$	1 ::	Compound	Twin-screw	River "		::			" " 1 TAN
Waikare (Hokianga)	1	41/2		Oil-engine	Screw	Restricted limits	3				First survey.
Waikare (Rangiriri) Waikato (Hokianga)		5		,,	Twin-screw	. "	:-				"
*Waikato (Tuakau)	- 6	9	ļ. ::	,,	"	, ,					"
*Waikuku Waima	$\frac{2}{6}$	5 20		,,	"	"	::	• •	- •	٠.	"
Waimarama	s · 1	- 5			Screw						First survey.
Waimarie (Auck- land)	159	48	•••	Compound	· ·	Extended river		••	• •		
Waimarie (Wanga-	53	20		Non-condensing	Paddle	River				••	
nui) *Waimea	207	100	625	Triple-expansion	Twin-screw	Home trade	4	3		٠.	
Wainui (Akaroa)	5 2	10		Oil-engines	Screw	Restricted limits	3		ļ l	. • •	First survey.
Wainui (Picton)	4	5 10	4.		Twin-screw	, ,		•••			First survey.
Waione	48	80		Compound	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	River				• •	
Waiora	 3	15	66	Oil-engine	Screw Twin-screw	Restricted limits	, ::	••		••	First survey.
Waipapakauri	5	4		,,	"	,,					,,
Waipori Waipuna	1229 2 1	180	843	Triple expansion Oil-engine	" "	Foreign trade Restricted limits	7	3	2	. 3	
*Wairau	60	20	137	Compound	"	Home trade	2	2			, .
Waireka (Dunedin) Waireka (Russell)	$\frac{72}{3}$	49 5		Triple-expansion Oil-engine	Screw	River Restricted limits		••	••	••	
Waireka (Wanga-	5	45	::	"	"	"		• • •		••	"
nui) Wairere	41	25		Non-condensing	Paddle	River					
Wairoa (Auckland)	49	40	114	Condensing	Screw	Home trade	2	2		••	1 *
*Wairoa (Nelson)	48 5	20 10	77	Compound Oil-engine	,	Restricted limits	2	1		••	First survey.
*Wairoa (Queens- town)				On-engine	,	. see of 10 acr 11 miles	'	••	••	••	Lines survey.
Wairoa (Riverton) Wairua (Wanganui)	6 Under	4 5		Compound	,,	River		•••			1
, , ,	20	2									
Wairuna Waitangi (A'kland)	$2530 \\ 21$	396 66	$^{2,099}_{292}$	Triple-expansion Compound	Twin-screw	Foreign trade Home trade	10 1	9 3		3	
*Waitangi (Dunedin)	31	60		" ··	Screw	"	1	1		•	Trawler.
Waitara Waitaria	16 2	3 <u>1</u> 5		Oil-engine	"	Extended river River	::	,		• •	
Waitata	2	4		"	,,	Restricted limits		••		• • •	
	0.100	258	.	Triple-expansion		Foreign trade	11	9	6	3	" Heather.
Waiterate				TITUIG-CYNGRISION	,	Trorotatt ntarde		a	ס ן	ರ	14 "
Waitemata Waitohi	18	10		Compound	,,	Extended river				٠.	
	18 3			Compound Oil-engine		Extended river Restricted limits		••	•••	••	

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED, ETC.—continued.

Wakatere (Raglan)	15 6	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	of Propeller.	Certificate.	ان	ਂ ਜ਼	1 20	ا نہ ا	
Wakaiti Wakanui Wakapai Wakatere (A'kland) Wakatere (Raglan)	15 6		i !				Able Seamen.	Firemen.	Trimmers.	Greasers	
Wakanui Wakapai Wakatere (A'kland) Wakatere (Raglan)	6		.,	Compound	Screw	Extended river					
Wakatere (A'kland) Wakatere (Raglan)	- 1	43	.,	Oil-engine	Twin-screw	Home trade	1				
Wakatere (A'kland) Wakatere (Raglan)	Timdor	20		,	Screw	Restricted limits					First survey.
Wakatere (Raglan)		10		Compound		River					
Wakatere (Raglan)	20								į †		
TTT 1	157	140			Paddle	Extended river	••	• •	••	••	T71:
VIII a la co de se	4	5	::	Oil-engine	Screw	Restricted limits		.:	••		First survey.
	95	23	138	Compound	"	Home trade	8	2 3	.:	3	ĺ
	1572		1,030	Triple-expansion	,,'	Foreign trade			2 6	3	
	2076		3,506	0:1	Twin-screw	Home trade	10	- 1	О	3	
Wave	29	38	100	Oil-engine	Twin-screw	поше trade	1 2	2	••		
Waverley	93	25	128	- *	Screw	River"	1	_	••	••	
Weka (Auckland)	86	27		<i>"</i>	1	Home trade		2			
Weka (Napier)	53	$\frac{20}{35}$	94	<i>"</i>	Paddle	Home trade	2 1	4	••		Tug.
Westland	$\frac{8}{2}$	35 10		Oil-engine	Screw	River"	1 1				Tug.
Whaka	449	10 120	• • •	~ ~	Twin-screw	Home trade	5	3			Dredge.
	$\frac{449}{1901}$		1,106	Compound Triple-expansion	Screw	Foreign trade	8	3	2	3	Dieuge.
	1901	280 5	1 ' 1	Oil-engine	l	Restricted limits		-	ا" ا		First survey.
Whanui	4	$\frac{5}{12}$		J				• •			·
Wharepapa Whati	~	6 3	*	Compound		River					#
1171 1	3	1		•	,,	Extended river	' '				i
*** ** *** 1)	48	45		Oil-engine	<i>"</i>	Home trade	2				
***** ** . 3	31	8	ł i	On-engine	Twin-screw	Restricted limits			::		First survey
***	90^{-3}	33	119	Compound	/ www-porch	Home trade					
Young Bungaree.	2	35	160	"			2 1	$\frac{2}{2}$::		
Zephyr	4	7	100	Oil-engine	Screw	Restricted limits		ا آ. ا			
7: ·	1	6		// · · · · · · · · · · · · · · · · · ·	,				::		First survey.
Zior Zoe		41	::	,,		/	1 1	1	1 1		
Zomar	2	= 6						1	الميا		

^{*} Surveyed twice.

RETURN of Sailing-ships to which Survey Certificates were granted during the Year ended 31st March, 1913.

	Tree Tree		Tons	Tons Class of			ium Numb required b be carried	er of y Law	Remarks.	
1	Name of	Vessel.		Register.	Certificate.		Able Seamen.	Ordinary Seamen.	Boys.	Kemarks.
Albatross	/			45	Home trade		2			
Alert			• • •	98	"		2	1		
Alma				56	,,		2			
Altair				57	,,		2			
Amelia Si				98	,,		2	1		
Annie Hil				121	,,		4		1	
Aratapu				122			4		1	
Argus				36			2			
Arrah-na-				100	, .		2	1		
Awanui				85	,		2	1		
Bee				24	,		1			
Bessie				9	,,		1			
Bravo		• • •		99	,,		2	1		
Briton				19	,		1			
Cead Mile		• • • • • • • • • • • • • • • • • • • •		63	,,		2			
Clifton			• • • • • • • • • • • • • • • • • • • •	18			1			
Clio		• • • • • • • • • • • • • • • • • • • •		81	,		2	1		
Combine		•••	• • • • • • • • • • • • • • • • • • • •	24	Restricted lim		1	l		
Comet		• •	• • • • • • • • • • • • • • • • • • • •	20	Home trade	• •	1			
Somotonatio		• • •	• • • • • • • • • • • • • • • • • • • •	85	"		2	1		
Dandy	n	• • • • • • • • • • • • • • • • • • • •		82	" "		2	1		
Dandy Daphne	- ::	• • •		20	<i>"</i>		1			
Dayeron		•		26	<i>"</i>		1	.		
Dominion	• • •	••	• •	25			1	٠		
Edith		• • •		19			1			
Edna	• •	• • •		15	"		1			
дона Eliza Firt	th.			143			4		1	
Enza ru: Era		• •	• •	49	"		2			
Cira	•. •	••	• •	1 23	"	• •		1	1 - 3	

^{*} Surveyed twice.

Return of Sailing-ships to which Survey Certificates were granted during the Year ended 31st March, 1913—continued.

	Minimum Number of Seamen required by Lot to be carried. Tons Class of							y Law		Remarks.
Nam	e of Vess	el.		Register.	Certificate.	Able Seamen.	Ordinary Seamen.	Boys.	ë,	Remarks.
lsme .	and the system of the second			20	Restricted limits	1				
thel Wells		.,		19	<u> </u>	1		••		
_				171	Home trade	4		1		
alcon .				98	,,	2	1			
annet .				25	,,	1				
e m .				20	,,	1	. ••	•••		
				11	Restricted limits	1	.:	•:		4.1
				299	Intercolonial	5	1	1		
				73	Home trade	2	1	•••		
		• •		56	D - 4	2	•••	• • •		
Luisa .		• •		20	Restricted limits Home trade	2				
1	• •	• •		25	ĺ	1	::			and the second
-	• •	• •		12	I	i	::			
nez Dean .			• •	30	,,	î				
abella de F	raina		:	93	l ",	$\frac{1}{2}$	1			
anet .				22	,	1				
ane Gifford	•	.,		20	,	1				
essie Craig				634	Intercolonial	8	1	2		•
seph Craig		• • •	• • •	694	,,	8	1	2		
	• •	::		18	,	1				
. -				160	Home trade	4	1	1		
				20	,	1				
				100	Intercolonial	2	1			
	• •			20	Home trade	1				
				11	,,	1		••		
itty Fraser				25	,	1	• •			
iw i				19		1	•••	••		
ady of the I				19	Restricted limits	1	••	•••		
ena Gladys.				24	Home trade	1		• • •		
aly (Lyttelto		• •	• •	84	,,	2	1			
ily (Nelson)		• •	• •	16	"	1 2		•••		
	• •	• •	• •	35	"	2	i		ĺ	
izzie Taylor		• •	••	683	Intercolonial	8	1	• • •		
ou sa Craig	• •	• •	• •	20		1				
laggie	• •	• •	• •	15	Restricted limits	1	4	::		
aid of Italy		• •	• •	44	Home trade	2				
lay Ioa (Aucklar	٠.١	• •	• •	99	Tromo trado	2	1			
[oa (Napier)		• •	•	66	Restricted limits	2	1			
loehau		::		23	Home trade	• 1				
Ioonah .		• •		83	,,	2	1			
Iorning Ligh	ıt ∻			92	,,	2	1			
,				66	,	2	1			
				18	Restricted limits	1		1 .:		
lorthern Chi	ief			263	Intercolonial	5	1	1		
				14	Home trade	1		••	,	
				25	,	1	•••	• • •		
rakei .				32	,	2	• •	••		
earl Kasper		• •		25	,	1		••		
anger		• •	• •	64	,	2 2	1	•••		
	• •	• •	• •	86	,,	2 2	1	•••		
	• •	• •	• •	76	,,	1 1	_	•		
		• •	• •	23	,,	2	••			
imu .	• •	• •	• •	49 618	Intercolonial	8	i	2		
ona oralio	••	• •	• •	7	Home trade	1				
	• •	• •	• •	25		1				
ancy Kate .		• •	• •	18	1	i				
cot . eagull .	• •	• •	••	20	"	î				
. •		. • •		19	"	ī				
			• • •	84	Restricted limits	2	1			
TT	· ·			51	Home trade	2		••		
-				44	,,	2				
ay	• •			15	,,	1	• •	•••		
he Portland				59	,,	2		••		
$\mathbf{he} \ \mathbf{Lee}$.			1	19	,,	1		••		
hree Cheers				97	,,	2	1	•••		
,			.,	19	,	1				
				22	,,	1				**
				19	,	1	•••			
index				23		1		•••		
				20	Restricted limits	1				
Va konini .				23	Home trade	1	·:	·;		
				309	Intercolonial	6	1	1		
Vanderer .				85	Home trade	2	1	••		
				62	Restricted limits	2	1	••		
Velcome .				10	Postmiotod limita	1			1	
		• •	• •	19 149	Intercolonial	4		1		

Statement showing Prosecutions instituted by the Marine Department in connection with Fish and Oysters.

Nam	e of Per	rson.	٠	Offence.		Fine imposed.
R. O'Shea				Selling fish taken on unlicensed ve	essel	. 10s. and costs.
Mrs. Kaspar				Illegally taking oysters		£2 and costs.
. Langley		• •		Taking undersized flounders		. £1 and costs.
. Batten				"		
V. Wood				"		,,
. McCallum				Damaging oyster-beds		. 5s. and costs.
Iwo Maori girls				Illegally taking oysters		. Convicted, and 7s. 6d. eac
H. A. Nicholson		***		,,		costs. £6 and costs. Launch for
V. Rolton						feited, but returned on pay ment of £50.
E. Brown	• •	. • •	• •			Each £5 and costs. Launc forfeited, but returned o
'. Matthews	• •		• •	٠٠ ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ،		payment of £15.
. O. Keefe	• •	• •	• •	Selling undersized garfish		1 2 4
R. Norris	• •	• •	••	Dennis undersized Sarnan		.
'. Cook	• •	•	• • •	Using undersized net		, ,
f. Powley		• • •	• • •	Taking undersized flounders		£3 and costs.
C. Hand				,		. £1 and costs.
A. Tough	••	••	• • •	"		. 22 6470 0019015.
. Ruffell		• •	• • •	Taking oysters from closed bed		***
R. Johns	••					
E. Allnutt				For being in possession of undersize	ed flounder	rs ,,
7. Suttor						1
R. Collins				Illegally taking oysters		"
f. Francis				- p v		,,
E. Crawford				,,		,,
. Bishop				,,		
E. James				,,		
I. H. Scott				,,		• •
P. Hill		• •		,,		. ,,
l. McKnight				,,		,,
A. Lomey						. } ,,
R. S. Lawrence	• •	• •		Illegally taking oysters		. ,,
Mrs. D. Simmon		• •	• •	,,,		,
E. A. Hackell	• •		• •	Allowing sawdust to go into river		£2 and costs.
O. Rasmussen	• •	• •	• •	Illegally taking whitebait	• •	£1 and costs.
H. Rasmussen	• •	• •	••	**		"
F. Algar	• •			,,		· • • • • • • • • • • • • • • • • • • •
A. Scrivens	••	• •	• •	,,		
A. Cross	• •	• •	• •	**		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
W. F. Cross J. Cross	• •	• •	• •	,,		,,
F. G. Cross	• •	• •	• •	,,	••	••
W. Graham	• •	• •	• •	**		· · · · · · · · · · · · · · · · · · ·
A. Wells	• •	• •		"		**
B. Nicholls	• •			92		,
F. Jackson				, ,,		
A. Rose				,,		**
P. Brady			• • •	**		, , ,
D. Jackson				,, ,,		
F. Harrison			• • •	. "		
E. Wohlers				Taking undersized flounders		£2 and costs.
O. Oughton				,,		,,
H. Faith		• •		,,,		",
. Aitken						£1 and costs.
A. F. Martin				13		. ,
. M. Myers				,,,		
. Myers				,,,		,,
R. Dick				**		,,
V. Cunningham				***		. ,,,
B. Barry				"		,,
P. Kettle				,,		,,
A. White				,,		, ,,
Bell				"		
. Chrystal			٠,	**		,,,
V. Fraser			٠.	***		,,
. Fraser				**		••
S. Cooper				1.9		

Return showing Number of Fishing-boats registered and licensed at each Port during the Year ended 31st December, 1912.

	Port.			Number registered.	Number licensed.	Pe	ort.		Number registered.	Number licensed
Auckland				270	270	Brought fo	rward		922	868
Bluff				87	87	New Plymouth			20	20
Chatham Isla	nds					Oamaru		• •	36	32
Dunedin and		halmers		80	80	Picton			21	21
Freymouth				9	9	Poverty Bay			24	14
Hokitika				3	3	Russell			55	55
Hokianga				14	14	Tauranga			24	24
nvercargill		••		36	36	Thames			92	41
Kaipara	• • • • • • • • • • • • • • • • • • • •			89	43	Timaru			26	26
Lyttelton	••			204	204	Wairau			9	9
Mangonui						Wanganui			9	- 59
Mapier	• •	••		68	6 8	Wellington			136	46
Nelson	• •	• •	•	62	54	Westport	••	••	14	14
Carried	l forwar	d		922	868	Totals			1,388	1,179

List of Boys who joined s.s. "Amokura" prior to 31st March, 1913.

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.		70'00'00"	10/9/08	Discharged, owing to sickness.
Hannan, J. M.		00'/0'/0#	6/9/08	Joined s.s. "Tutanekai" as O.S.
Stemp, A. H.		10.00.00	16/11/08	"Rippingham Grange" as O.S.
Maevean, D. E. J.		10/0/08	29/9/08	" "Pateena " as O.S.
Reeves, J. M.	••	1 7 /9 /00	29/9/08	" "Putiki" as O.S.
Campbell, J. A.		1 E / 9 / AH	15/11/08	" "Tutanekai" as O.S.
		00/0/0#	13/5/09	" "Potoiti " as O S
Holder, R.		00'/0"/0#	24/9/08	Joined schooner "Clyde" as O.S.
Heaphy, E. A. Miller, C		OF IT IOH	25/11/08	" barquentine " Helga " as O.S.
Johnstone, J. A.		14/9/08	25/11/08	as have
	••	10/0/08	27/11/08	,, s.s. "Maori" as O.S.
Guthrie, T. J.		00/07/08	10/12/08	" " "Monowai" as O.S.
Schlaadt, E. A.	• •	10'00'10#	13/12/08	Did not so to see a morbing on
McKay, F. D.	• •	. 10/3/07	13/12/00	Found perms on surps, pu
		16/9/07	13/12/08	Working on drodges on River parents objected to their
МсКау, Н.		. 16/3/07	13/14/00	Molyneux going.
		80 / 70 / 8	19/19/00	
McNabb, C. H.			13/12/08	Joined s.s. "Warrimoo" as O.S.
Tait, G			18/9/08	Discharged on parents' request.
Varcoe, C			13/12/08	Joined s.s. "Waikare" as O.S.
Macalister, J.			17/6/08	Discharged on parents' request.
Hay, E. D.		. 21/3/07	8/1/09	Joined "Joseph Craig" as O.S.
Hay, V. J.			8/1/09	" "Marjorie Craig" as O.S.
Marshall, G. W.		14/3/07	2/2/09	" "Jessie Craig" as O.S.
Mitchell, D.			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.		10/6/00	8/2/09	,, ,, "Kini" as O.S.
Ellisson, L. G.		27 10 107	8/2/09	" " "Hinemoa" as O.S.
Taylor, W. H.		. 15/7/07	8/2/09	,, ,, ,, as boy.
Walker, J. E.		3 2 12 10 2	18/2/09	,, ,, "Te Anau" as O.S.
Nelson, F		94/0/1017	1/3/09	"Maori" as O.S.
Seymour, W.		90,75,705	4/3/09	,, ,, "Takapuna" as O.S.
Trudgeon, A.		99 / 5 / 07	21/5/09	Training completed; returned home at parents' request.
Davies, H.		10 /30 /00	11/5/09	Joined s.s. "Moana" as O.S.
Burborough, W. H		0.120.10=	17/5/09	"H.M.S. "Challenger" as boy.
Grace, I. W.	·	90'/10'/0"	17/5/09	" " " "
Brown, D. M.		99,710,707	17/5/09	,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,
Drown, D. M.		9.75,105	24/5/09	" s.s. "Maori" as O.S.
Talbot, P. D.		# /3.3 /O#	17/5/09	", "Hinemoa" as boy.
Wyllie, E		90 10 10 10	16/4/09	Training completed; returned home at parents' request.
Kemp, R	• • •	1 5 /5 /05	25/7/08	Discharged on parents' request.
Fea, D.	• •	10/0/05	27/4/09	Training completed; returned home at parents' request.
Langmuir, I.	• •	9 /11 /00	18/5/10	Joined H.M.S. "Pioneer" as boy.
Soper, A. H.	• •	00 15 105	1/6/09	
McCullough, C. U.		$\frac{22}{5}$		0000
			8/8/10	" Machines " as OS
Bond, B		2/7/07	2/7/09	(CRATE 22) (CR
Holder, F			14/12/09	
Tindall, W. H. A.			12/6/10	" " "Kennedy" as O.S.
Diggle, N.		$\frac{22}{7}$	10/8/09	" " "Manapouri" as boy.
Manson, R. V.			28/8/09	" " "Putiki" as O.S.
Woods, G.		. 15/10/07	27/9/09	" barque "Joseph Craig" as O.S.
Ford, J. J.			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.
McNeilage, R.		10/10/08	9/7/09	Joined s.s. "Moana" as O.S.
Carr, O. G.		. 14/11/08	24/11/08	Discharged to return home.

LIST OF BOYS WHO JOINED S.S. "AMOKURA" PRIOR TO 31ST MARCH, 1913—continued.

Name.		Date of Joining.	Date of Discharge.	Occupation taken up on Discharge.
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.
harpe, G. awton, C. J.		27/10/07 $20/1/08$	$ \begin{array}{c c} 12/6/09 \\ 8/2/10 \end{array} $	", " Queen of the South" as O.S. ", Union Steamship Company's shore staff.
Velham, R. F.		24/4/08	1/11/09	,, Union Steamship Company's shore staff. ,, s.s. "Ngapuhi" as O.S.
ullen, B. M.		1/2/08	28/9/09	,, ,, "Hinemoa" as O.S.
owell, W. J		23/2/08	26/8/09	", " "Tutanekai" as O.S.
nsen, G.		23/1/08	25/1/08	Discharged to return home.
rginson, E. C.		28/2/08	22/9/09	Joined ship "Dartford" as cadet.
illard, W. G. W.		12/7/08	29/9/09	", s.s. "Maori" as O.S.
arke, V. C. M.		9/7/08 $4/11/08$	$14/12/09 \ 24/5/10$	(D - 4 - 14 1) O O
orke, V. C. M ortin, S. E		30/9/08	$\frac{24/3/10}{30/5/10}$	1 (1 D)) O C
each, H. E.		9/9/08	14/12/09	16 Mr 22 O Cl
honey, E. L. G		20/11/08	3/9/10	,, s.s. Maori as O.S. ,, ,, "Moana" as O.S.
les, P. A.		19/11/08	5/5/10	" " " Putiki" as O.S.
son, E. N.		18/9/08	24/5/10	,, ,, "Tainui" as O.S.
glis, A. L.		16/2/09	22/6/10	,, barque "Speculant" as O.S.
ines, H. F.		10/2/09	5/8/10	,, s.s. "Warrimoo" as boy.
icks, R. H.		12/2/09	18/5/10	" H.M.S. "Pioneer" as boy.
rston, A. C		21/2/09	10/10/10	,, s.s. "Kennedy" as O.S.
rrows, J. F		16/2/09	18/5/10	,, H.M.S. "Pioneer" as boy.
nnett, H. E		12/2/09	6/9/10	,, s.s. "Kennedy" as O.S. ,, "Pateena" as boy.
Gregor, A agstaff, T. R		9/2/09 $12/2/09$	4/9/10 $19/10/10$	l (() () () ()
nkins, P. J.		3/4/09	16/1/11	" " " " " " " " " " " " " " " " " " " "
rnside, V.		28/3/09	5/8/10	,, scow wnangaroa as O.S. ,, s.s. "Pateena" as boy.
		27/2/09	7/9/10	", "Moana" as O.S.
ee, J		27/2/09	6/10/10	" " " Moa " as O.S.
sher, B. F		30/6/08	4/5/10	,, ,, "Maori" as boy.
Dougall, J. F		29/3/09	1/8/10	" " "Rosamond" as O.S.
tledge, R		-6/4/09	10/10/10	" " "Queen of the South" as O.S.
y, G. R. H.		25/5/09	16/1/11	", ", ", ", ", ", ", ", ", ", ", ", ", "
irgess, W. G		25/5/09	18/5/10	" H.M.S. "Pioneer" as boy.
ieve, C. R		30/5/09	29/11/10	,, s.s. "Mokoia" as O.S.
asher, H. L.		31/5/09	16/1/11	" " "Rosamond" as O.S.
rring, C.		4/6/09	16/1/11	" " "Himitangi" as O.S.
ertin, E. W.		8/6/09	16/1/11	,, ,, "Putiki" as O.S. ,, ,, "Hinemoa" as boy.
ith, V		11/6/09	$egin{array}{c c} 16/1/11 \ 15/12/10 \end{array}$	(CAT2) 22 O C
ood, J. J ait, A. G		11/6/09 $17/6/09$	20/1/11	" CU
timer, A. E. C.		28/6/09	21/1/11	,, ,, Star of Scotland "as O.S. ,, barque "Helen Denny" as O.S.
rlow, F. J.		21/7/09	8/2/10	Written off as a deserter.
apple, H. M. B		27/7/09	21/1/11	Joined s.s. "Haupiri" as O.S.
lzell, St. J. C.		6/8/09	25/5/11	" " "Alexander" as O.S.
one, H. O		28/8/09	8/6/11	" H.M.S. "Pioneer" as boy.
ıy, H. L		5/9/09	1/5/11	" s.s. " Nerehana " as O.S.
per, A. F.		8/9/09	17/6/11	" " "Arahura" as boy.
atson, C. H.	• • • •	14/9/09	12/6/11	", " "Poherua" as O.S.
oir, T. P	• • •	18/9/09	17/5/11	" " "Aorangi" as O.S.
Leish, D. N.	• • • • • • • • • • • • • • • • • • • •	22/9/09	2/5/11	,, ,, "Kaitoa" as O.S.
ennan, W wson, R		$\frac{29/9/09}{5/10/09}$	$ \begin{array}{c c} 12/6/11 \\ 9/6/11 \end{array} $,, ,, "Kaiapoi" as O.S. ,, ,, "Kaitoa" as O.S.
wson, K aife, J		5/10/09	2/5/11	"Munitai" as OS
1 'T		27/10/09	1/6/11	" Manual a 22 a a O C
therley, H. G. B.	•	30/10/09	19/6/11	"Takanuna" as OS
reman, J. W.		28/10/09	1/5/11	" "Ngahere" as O.S.
ng, C. F.		28/10/09	24/7/11	" " "Stormbird" as O.S.
dd, C. C.		1/11/09	22/8/11	,, ,, "Maitai" as boy.
own, J. P. G.		26/10/09	23/12/09	Discharged, medically unfit.
all, F		8/11/09	18/6/11	Joined s.s. "Moa" as O.S.
inbourne, T. H		10/11/09	8/6/11	,, H.M.S. "Pioneer" as boy.
by, C. J. M		19/1/10	28/6/11	" barque "Alexa" as O.S.
nkins, W. H. P.		15/1/10 $20/1/10$	$28/6/11 \ 21/8/11$	" as boy. " H.M.S. "Challenger" as boy.
lans, G. M se, A. S		19/1/10	3/7/11	6 Th. (11 12 22 - O. Cl
y, H. D.		19/1/10	18/10/11	"Degeneral" or OS
ldleton, W.		19/1/10	30/8/11	"Dahama " an O C
gnusson, E. R. H		9/5/10	8/6/11	,, ,, Fonerua as O.S. ,, H.M.S. "Pioneer" as boy.
aley, A. C.		20/2/10	17/8/11	,, s.s. "Himitangi" as O.S.
tton, T. W.		2/6/10	8/6/11	" H.M.S. "Pioneer" as boy.
gle, C. L.		2/6/10	16/12/11	,, s.s. "Arahura" as boy.
own, C. E.		8/6/10	29/2/12	" schooner "Lizzie Taylor" as O.S.
rvey, F. O.		10/6/10	11/1/12	s.s. "Mararoa" as boy.
ddon, W. S. F.		10/6/10	15/3/12	,, ,, "Waitemata" as O.S.
vester, G		11/6/10	15/1/12	"Poherua" as O.S.
eeman, W. J.		11/6/10	23/1/12	", "Putiki" as O.S.
Neil, W. H.		15/6/10	16/12/11	,, ,, "Kini" as O.S.
oung, H. R		22/6/10	1/5/12	" " "Putiki" as O.S.
	• ••	3/7/10	8/1/12	, " "Putiki" as O.S.
iston, E. O le, S. E		15/7/10 $29/8/10$	15/5/12 8/6/11	", "John" as O.S. ", H.M.S. "Pioneer" as boy.
le, S. E. adcock, S. H.		1/9/10	24/2/12	65 B/F
orrissey, W.		1/9/10	23/3/12	,, s.s. mararoa as boy.
UMMADDUTE TTO		-/0/10	/	, ,, ,, ,, U.J.4

LIST OF BOYS WHO JOINED S.S. "AMOKURA" PRIOR TO 31ST MARCH, 1913—continued.

Name.	Date of Joining.	Date of Discharge.	Occupation taken up on Discharge.
kelsey, W. G.	9/9/10	2/5/12	Joined s.s. "Alexander" as O.S.
Illis, J. R.	27/9/10	11/5/12	" " "Poherua" as O.S.
rame, F. E.	27/9/10	11/5/12	" " " Nikau" as O.S.
ippert, L. O. R	30/9/10	31/7/12	" " "Holmdale" as O.S.
Rasmussen, C. F	18/10/10	20/5/12	" " "Ngahere" as O.S.
Valker, L	19/10/10	1/5/12	",,, "Corinna" as O.S.
Coster, A. G.	27/10/10	12/5/12	Discharged. Joined s.s. "Mangapapa" as O.S.
Sitzsimmons, A. J Sox, R. V.	$\begin{array}{c c} & 27/10/10 \\ & 27/10/10 \end{array}$	11/5/12	(CMC
Cory, G. E.	21/1/11	31/7/12	44 Mr 27 O Cl
ox, A. J.	21/1/11	31/7/12	,, ,, maori as 0.8. ,, ,, as 0.8.
Iiller, H. J.	28/1/11	6/9/12	" " " Putiki " as O.S.
Iartin, M.	28/1/11	31/8/12	" " "Poherua" as O.S.
rummond, G	28/1/11	1/10/12	,, ,, "Turakina" as O.S.
reeman, G. H	28/1/11	17/3/13	,, ,, "Hinemoa" as O.S.
ower, D. W. C	28/1/11	21/8/12	" " "Stormbird" as O.S.
lemp, H. E.	11/2/11	19/8/12	", " "Manaia" as O.S.
illett, L. J.	11/2/11	10/9/19	Deserted. Since joined s.s. "Maitai."
eeves, A	18/5/11 19/5/11	19/2/13	Joined s.s. "Himitangi" as O.S. ,, "Delphic" as O.S.
evill, R.	19/5/11	19/2/13 19/2/13	(6 17 cm - 12 - 2 0 C)
sher, S. F.	20/5/11	18/2/13	" T " O SI
anson, P. C.	1/6/11	15/3/13	" Anohama " a a O S
ain, W. G.	2/6/11	21/3/13	,, ,, "Aranura" as U.S. ,, ,, "Tainui" as O.S.
terson, W. H.	22/6/11	15/3/13	" " "Breeze" as O.S.
ristie, E. G	24/6/11	22/3/13	", " "Ngatoro" as O.S.
ood, J. L	29/6/11	,-,-	Still on board.
estrupp, A. W	9/7/11		,,
ay, H. L.	7/7/11		"
cKenzie, A. M. B.	9/7/11	10/0/10	T. I. STATE OF THE
aney, E. O	10/7/11	19/6/12	Joined H.M.S. "Pioneer" as boy.
her, I	11/7/11	• •	Still on board.
owell, A. J	11/7/11		"
att, J. W idge, R. W	11/7/11	••	
ordon, W. J.	$\begin{array}{c c} & 11/7/11 \\ & 12/7/11 \end{array}$	•••	,,
astie, J. D.	14/7/11		,,
inn, E. S.	11/7/11		,,
awlins, A. E.	11/7/11	.:	,,
rr, F. J	27/8/11		Deserted.
lbertson, P. A	29/8/11		Still on board
arren, G. N	29/8/11		,
omwell, M. C.	30/8/11		,,
lwards, C. G. F	13/9/11		,,
ideaux, H. A	15/9/11	••	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Farlane, B. W	$$ $\frac{26}{9}/11$	• •	Deserted. Since joined s.s. "Maitai."
rrow, V. R.	11/10/11	• •	Still on board.
rbutt, G. S	25/1/12		»
llen, C. G	$\begin{array}{c c} & 25/1/12 \\ & 25/1/12 \end{array}$		>>
wlon C T W	25/1/12		Returned to care of Education Department.
irton, C. W	25/1/12		Still on board.
ockett, H. A.	$\begin{array}{c c} \cdot \cdot & 25/1/12 \\ \cdot \cdot & 25/1/12 \end{array}$		·
ewton, F. J. W	28/5/12		•• •
ıllah, T. H. G.	29/5/12		,,
ent, O. L.	29/5/12		, , , , , , , , , , , , , , , , , , , ,
apleton, H. P. A	29/5/12		**
oore, W	29/5/12	• •	"
meron, J.	29/5/12		"
lian, A. H.	29/5/12	••	**
Farlane, G. Mc	29/5/12	••	29
chter, S	30/5/12	• •	,,
ndy, C. P	30/5/12		,,
vett, R. A. K	1/6/12	••	Discharged at naments' assumed
ll, L. A. R	1/6/12 12/6/12		Discharged at parents' request Still on board.
ıy, C. J	10/0/10	••	Returned home medically unfit.
wman, W. T.	12/6/12		Dismissed ship.
nith, J. B.	15/6/12		Still on board.
ickens, T. L.	20/11/12		;;
tton, J	$\frac{1}{20/11/12}$;; ;;
acon, W. S.	20/11/12		,,,
irweather, R. W.	21/11/12		**************************************
eale, W. A.	23/11/12		"
lwards, J. T	22/11/12		27
etter, f . H	27/11/12		"
assey, L. J.	11/2/13		"
obertson, A. B	11/2/13		29
		1	
ardley, C. F. S	11/2/13	• •	37
	11/2/13 11/2/13 13/2/13		Returned home as unsuitable. Still on board.

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, 1913.

Name of Seaman.					Balance to Credit of the Estate on 31st March, 1912.	Amount received.	Amount paid.	Balance to Credit of the Estate on 31st March, 1913.	
					£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Robert McKellar						13 4 6		13 4 6	
Peter Cawte						8 3 3	8 3 3		
F. W. Christie						33 16 1	33 16 1		
John Lenihan						3 3 7	3 3 7		
deorge Sluice						0 7 6		0 7 6	
John Jorgensen					40 12 2		40 12 2	• • •	
awnts Ölsen					15 6 9		15 6 9		
eorge Northcote					29 6 0	$1 \ 17 \ 3$	31 3 3		
Villiam Benjamin					9 11 3		4 5 0	5 6 3 .	
eorge Paton					6 12 6		6 12 6		
ohn Patterson				1	4 16 0		4 16 0		
Oonald Campbell				}		471	471		
homas Doran				!	3 4 8	0 10 0	3 14 8		
lexander McRae					9 2 11	93 16 3	102 19 2		
ohn Richard Glanvil					2 7 6	8 10 6	10 18 0		
Robert Parry						1 15 6	10 10 0	1 15 6	
amuel Wadsworth						$\frac{1}{2}$ $\frac{15}{15}$ $\frac{4}{4}$		2 15 4	
Ifred Bullen	• • •					$1\overline{1}$ $\overline{5}$ $\overline{2}$		11 5 2	
. J. Mays			• • •			4 19 6		4 19 6	
rank Tercel		• •	• • • • • • • • • • • • • • • • • • • •	Į.		1 7 5	1 7 5	2 - 0	
Villiam Severn				• • •	[10 1 9	10 1 9	• •	
ionel Dorney				• •	• •	11 13 3	11 13 3	• •	
homas B. Williams	• •	• •	• •			$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2 5 8	
Villiam Roberts	• •	• •	• •	• • •	• •	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10 7 2		
ohn Ward Dingle	• •		• •		. ,	3 7 0	3 7 0	• •	
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	• •	• •	• •		• •	15 3 3	15 3 3	0 10 3	
ames Gully	• •	• •	• •	• •				0 = 0	
. Lindsay	• •	• •	• •		• •		• •	0 7 0	
I. L. Halversen	• •				• •		• • •	2 14 4	
P. W. Barnett	• •			• • •	9 10 0	8 14 11	•••	8 14 11	
Idwin Gale	• •		• •	•••	3 12 6	1 12 3	3~ ~ 0	5 4 9	
Valter Greenhalgh		• •	• •	• • •	2 70 2	15 7 0	15 7 0		
. Ward	• •	• •	••		2 18 2	6 13 11	1 13 6	7 18 7	
Totals					127 10 5	278 16 10	338 17 10	67 9 5	

Return showing Amounts received prior to 1st April, 1912, 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
John Forman, late A.B., "Waitemata" Henry Payne, late A.B., "Kini"	70 7 11	J. Peterson, late of "Ronga"	0 10 0
Gustave Hanley, late A.B., "Waikonini"	$3 \ 7 \ 6$	James Brown, late fireman, "Hinemoa"	10 12 1
Hugh Trimble, late cook, "Frank Guy"	$6\ 15\ 3$	Lindvist M. Matsen, late A.B., "Huia"	4 10 8
Nelson O. Stred, late A.B., "Helen Denny"	0 11 3	Frederick Clark, late O.S., "Flora"	0 10 0
T. Clark, late A.B., "Flora"	1 0 0	Robert Lewis, late cook, "Clyde"	0 16 0
Erick A. Osterlund, late A.B., "Ganymede"	16 1 6	Frederick Smith, late A.B., "Moonah"	1 6 8
William Wood, late trimmer, "Arahura"	4 6 11	A. L. Menard, late chief engineer, "Duco"	1 8 0
E. Kelly, late O.S., "Surprise"	1 11 6	S. Annis, late fireman, "Duco"	0 10 8
E. Johansen, late A.B., "Surprise"	$1\ 16\ 2$	J. W. Mutton, late fireman, "Duco"	0 10 8
J. Nelson, late sailmaker, "Constance Craig"	0 10 0	C. Williams, late second mate, "Duco"	0 12 0
A. Maller, late of "Constance Craig"	0 5 0	W. Murdoch, late A.B., "Duco"	0 9 4
H. Hansen, late of "Constance Craig"	0 5 0	William Mackay, late A.B., "Duco"	$0 \ 9 \ 4$
T. Brown, late of "Constance Craig"	0 5 0	P. Holmegard, late A.B., "Duco"	$0 \ 9 \ 4$
M. Keogh, late of "Constance Craig"	$0 \ 5 \ 0$	C. Hansen, late A.B., "Duco"	$0 \ 9 \ 4$
Thor Christiansen, late A.B., "Haere"	0 2 10	J. Dahlborg, late A.B., "Duco"	0 13 4
Duncan Kennedy, late A.B., "Kini"	$5 \ 16 \ 9$	A. Cameron, late O.S., "Duco"	$0 \ 9 \ 4$
J. Court, late chief officer, "Loch Lomond"	16 6 8	O. Blanquist, late A.B., "Aotea"	1 18 2
J. Dawson, late A.B., "Talune"	3 6 2	Charles Roberts, late O.S., "Morning Light"	3 4 11
C. Waddington, late A.B., "Loch Lomond"	10 11 0	Charles Roberts, late O.S., "Morning Light" Alfred Tronson, late mate, "Rangi"	6 8 7
J. Jones, late A.B., "Loch Lomond"	11 12 0	Arthur Penry Lewis, late engineer, "Pioneer"	18 8 3
J. Jones, late A.B., "Loch Lomond" T. Grey, late A.B., "Loch Lomond"	11 12 0	James Tall, late A.B., "Aorere"	7 11 6
C. Sornson, late A.B., "Loch Lomond"	10 10 1	W. Henderson, late A.B., "Penguin"	0 12 6
J. McKay, late A.B., "Loch Lomond"	11 12 0	J. H. Waters, late second engineer, "Duco"	0 13 0
J. McVicar, late A.B., "Loch Lomond"	6 9 0	J. Porter, late cook, "Duco"	2 11 2
H. Cooper, late cook, "Loch Lomond"	18 11 0	A. L. Ross, late A.B., "Fanny"	$41 \ 2 \ 6$
Walter Owens, late A.B., "Kiripaka"	2 18 6	John Grimshaw, late A.B., "Ngatoro"	4 10 11
T. Woodford, late A.B., "Penguin"	3 12 6	William Benjamin, late A.B., "Waiotahi"	$\tilde{5}$ 6 3
E. Gale, late A.B., "Penguin"	5 4 9	Jean Yviquel, late A.B., "Eliza Firth"	0 0 6
W. Westacott, late A.B., "Penguin"	3 12 6	J. Mercer, late cook, "Jessie Niccol"	1 4 6
G. Gaffra, late donkeyman, "Penguin"	4 19 6	Samuel Henderson, late greaser, "Waipori"	11 19 0
James Piercy, late A.B., "Kia Ora"	$\tilde{1}$ $\tilde{2}$ $\tilde{2}$	J. S. Denholm, late fireman, "Pukaki"	6 18 3
G. Barnes, late trimmer, "Penguin"	4 1 8		3 10 3
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Ussualty. 1912. Hin 1912. Hin 1912. Hin 1913. Hin 1914. Han About Man Abou	and Class. Himitangi, s.s., 13 years	Mig.	ជម្រួមវិ ជរលេ			*****	racute of		ā		Wind.		
2. 2 2. 28 112 112 6-9			T	.wexD	Passen- gers.	Cargo.	Casualty.	of Lives lost.	Place where Casualty occurred.	Direc- tion.	Force.	Finding of Court of Inquiry.	Name of Master.
		Schooner	149	91	6	Fish and wool	Stranded ; slight damage	:	Petre Bay, Chatham Islands	n S.S.W.	Strong	The pin of the shackle worked out and detached the cable from the anchor, and the vessel drifted ashore. No proper anchor watch had been set, a fireman having been	J. C. Cowan.
<u> </u>	oo		,							·		left in charge, but the Court absolved the master from blane as it had been the practice for a fireman to take the watch on the "Himitangi" when in harbour	
<u> </u>	vixen, zu years	Ketch	12	4	:	:	Stranded; slight	:	Matata Bar	편 -	Moderate	When crossing the bar the vessel struck and	J. Taft.
	Manukau, s.s., 31 years	Schooner	45	ıq.	:	Coal	Stranded; total	•	South Spit, Waitara Bar	a N.N.W.	Fresh breeze	When crossing the bar of the Waitara River a sudden squall obliterated the back beacon, and the vessel stranded on the south side of the channel. The Court found that no blame was attachable to the master or any	J. O. Berg.
								***				member of the crew	
nandauri, ramanana	Manchester, s.s., 22 years	Dredge	998	4	•	:	Foundered; total loss	25.	Tasman Sea	:		The dredge left Wellington for Sydney on 6th April, 1912, and was sighted off Farewell Spit on the following day, but has not since been heard of. It is supposed that she foundered with all hands in the very stormy weather prevailing immediately after her departure. Careful search has been made by H.M.S. "Challenger," Encounter, and "Pioneer," and by the s.s. "Eden,"	James Downie.
April 16 Cla	Clan Ogilvy, s.s.,	Schooner	1,683	83	:	:	Broken shaft;	:	Lat. 37° 10′ S., Long.	s. S.W.	Light	but without result The intermediate shaft broke	J. W. Swanston.
Between Lot April 22 and May 7	Lottie	Auxiliary cutter	10	61	62		damage, £1,200 Not known; total loss	4	164° 54 <u>4</u> ′ E. Between Big Omaha and Whangaruru	ct	•	The launch left Big Omaha for Whangaruru on 22nd April, and nothing further was known about her until her wreckage and the bodies of the four occupants were found on	W. T. Brown.
	Hero, 7 years	Ketch	56	ന	:	Coal	Collision with wharf; triffing	:	Auckland Harbour	S.W.	Strong breeze	the beach at Whangaruru on 7th May The tide carried the vessel against the wharf, breaking her bowsprit.	J. Francis.
" 30 Vix	Vixen, 29 years	Ketch	15	4	:	General	Stranded; damage, £175	•	Matata Bar	ы <u>.</u>	Moderate	When crossing the bar one of the engines stopped and she was carried ashore, the	J. Taft.
May 4 Sav	Savaii, s.s., 16 years	Schooner	31	4	:	:	Fire; damage,		Port Ahuriri	S.W.	Light	Dutwarks being consucracy damaged. The vessel was found to be on fire at about 9 p.m., but the origin of the fire could not be presented to the could be be to be the could be be the could be the coul	P. H. Jenkins.
. 6 Ngg	Ngaru, 14 years	Schooner	99)O	:		Stranded; slight damage	•	Kawhia Bar	. s.w.w.	Light	be ascertained. The vessel the bar when the wind dropped and changed, and the swell carried her on to the bar. She was got off	H. W. Vile.
, 15 Ma	May Howard, 24 years	Auxiliary schooner	55	4	:	Cement	Stranded; triff- ing damage	:	Auckland Harbour	øż	Light	on 14th May Grounded in a thick fog, but floated off next day	T. Jones.

DEPARTMENT, ETC.—continued.
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AND CASUALTIES TO SHIPPING REPORTED TO THE M
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	7. Name of Master.	the steering- el to deflect rich tip-bead. sed the river tth training- Being thus there carried	nded on the sidered that eed from the teering gear undence, and ation; that rith tip-head collapsed; and Carrick, ninion of the vessel bear and the vessel of the vessel o	perconning a his want of ngines failed John Flynn.	our a heavy J. Morrison. s and land- ne reef. The rummitted an ing when he and he was	inquiry P. McElwain. the launch C. Hunter.	caulking in T. M. Jackson. ng a leak rf her port T. A. Gibbons.	sualty attri- moon no a sapparently nd capsized omas Banks Charles Forder.	to Kaipara H. W. Vile.
	Finding of Court of Inquiry.	Whilst proceeding down the river the steering-gear jammed, causing the vessel to deflect from her course and strike the north tip-head. She afterwards backed out, crossed the river full speed astern, struck the south trainingwall and stripped her propeller. Being thus rendered helpless, and having either carried away her anchors or strinned the flukes she	drifted across the bar and stranded on the north tip-head. The Court considered that the master, in proceeding full speed from the whart to the position where the steering-gear janmed, did not act with due prudence, and was guilty of negligent navigation; that after the vessel struck on the north tip-head the master broke down and collapsed; that the master James Edward Carrick, then took charge, and in the opinion of the Court the subsequent striking of the vessel of the v	on are sound was mainly due to his want of coolness and judgment When approaching the wharf the engines failed to stop the vessel in time to avoid a collision	When leaving Wellington Harbour a heavy rain-squall obscured all lights and landmarks, and the vessel touched the reef. The Court found that the master committed an error of judgment in not anchoring when he found the lights obscured and he was	ordered to pay the costs of the inquiry When going alongside the wharf the launch ran into the "Kaipatiki," doing slight damage	The vessel is a new one, and the caulking in one of the seams started, causing a leak When berthing at No. 5 wharf her port		have been lost overboard very lossel proceeding from Kawhia to Kaipara was found to be leaking, and being driven
Wind,	Force.	Light		:	Strong	Light	Moderate	Strong	Gale
A	Direction.	N.W.	,	•	ø.	W.N.W.	N.W.	S.E.	N.W.
Place where Gamaity	occured.	Mouth of Grey River.		New Plymouth	Barrett's Reef, Welling- ton Heads	Wharf, Albany, Auckland Harbour	Off Stephens Island Lyttelton Harbour	Auckland Harbour Between Auckland and Wellington	Lat. 37° 33′ S., Long. 174° 15′ E.
Number	Lives lost,	:		· :	:		: :	: "	: :
Nature of	Casualty.	Stranded; total loss		Collision with breakwater;	Sugar camage Stranded; slight damage	Collision; damage, £5 Collision; no	damage Sprung a leak; triffing damage Collision with	whart; sught damage Capsized; triff- ing damage Loss of life	Sprung a leak; slight damage
X 	Cargo.	Coal and timber		General	General	General	General Coal	Bricks General	•
Number of	Passen- gers.			:	·:	12 5	: :	: :	
	Crew.	662 22		630 26	452 30	7 8 8 8	100 10 835 26	19 2 3,679	99
191s	Regis Ronn				-	 uoh			rer
	Rig	Auxiliary schooner	· · · · · · · · · · · · · · · · · · ·	Schooner	Schooner	Cutter Oil launch	Schooner	Schooner	Schooner
Jessel's Nome Age	and Class.	Kotuku, s.s., 12 years		Rotoiti, s.s., 14 years	Haupiri	Kaipatiki, s.s., 5 years Centaur, 1 year	Hawera, s.s., 1 year Canopus, s.s., 9	years Lady of the Lake, 36 years Nairnshire, s.s.	Ngaru, 14 years
	Casualty.	1912. May 16		16	. 17	,, 17	June 1	,, 6	, 16

												*	
H. E. Hewlett.	H. Andersen.	W. G. Tye.	J. M. Hart.	M. Rountree.	E. Collett.	N. Simmons.	Thomas Scott.	(T. Clark. A Farquhar.	A. Peterson.	A. Clark.	E. J. Grogan.	W. Sullivan.	H. J. Treurn.
stopped after anchor was weighed; r was again dropped, but failed to the launch drifted, struck a rock,	When beating to an anchorage under Whale Island the mainsail blew out and the foresail split, causing the vessel to drift ashore.	The vessel rounded the point into St. Helier's to soon and ran ashore, but got off when till and the soon and the second	une rose was anchored in the Gisborne road- stead when a fierce southerly squall came up and caused her to drag her anchors and go ashore. The Court absolved the master	and others concerned from all blame in the matter. When coming up the river the master left the helm to a cattle-drover, who put it to starboard instead of port, and the vessel ran into a fishing-boat which was lying on the ground	alongside the jetty Caught by heavy sea when crossing the bar	and capsized Went aground in a dense fog, damaging the rudder and deadwood, and stripping the pro-	Peuer Vessels collided in dense fog when going dead slow	The vessels came into collision in a dense fog	The fire was caused by the overheating of the deck-planking near the donkey boiler A sudden squall carried awey the mainmast starboard rigging, bringing down the mast	and sails When crossing the bar the vessel touched and ran ashore. She was refloated three weeks	later When beating out of Hook's Bay the starboard chain-plate carried away, and the mast and rigging went overboard with the bulwarks and staunchions. The vessel filled rapidly, and as the crew were unable to keep the water down with the pump, they left in the shin's boat, and got safely ashore. The	n 20 fathoms g, which knocked a hole lled and sank. She was	afterwards refloated Tail-shaft carried away. Cause unknown
Light	Gale	Light	Gale	Strong	Strong	Calm	Calm	Calm	Calm Strong	Moderate	Moderate	Calm	Calm
×.	ż	W.	S.W.	v i	S.E.	:	:	:	: ਲ : ਲ	S.E.	म ं	:	:
North-west end of Chicken Island	Off Whakatane, Bay of Plenty	Kohimarama, Auck- land Harbour	Kaiti Beach, Gisborne	Town Wharf, Whanga-rei	Wairau Bar	Stanley Point, Auckland Harbour	Victoria Wharf, Auckland Harbour	No. 3 Jetty, Auckland Harbour	Devonport Wharf, Auckland Harbour Pelorus Sound	Waipu Bar	Waiheke Island	Thames River	Off Waikawa
:	:	:	:	:	7	•	•	:	: :	:	;	:	;
Stranded; total loss	Stranded; damage, £65	Stranded; no damage	Stranded; total loss	Collision with wharf; no damage	Capsized; total	Stranded; damage, £110	Collision; slight damage Collision; no	Collision; triff-	Fire; slight damage D is m asted; damage,£150	Stranded; damage, £50	Foundered; total loss	Foundered; damage, £550	Broken tail- shaft; dam- age, £40
:	:	:	General	:	Fish	:	; :	: :	Coal Timber	Timber	Shingle	Genera	Timber
10		30		•	<u>:</u>	<u> </u>	500	140	: :	:		6	•
<u></u>	64 4	37	4,623 67	10 2	2	162 4	188 4 203 4	203 4 157 28	99 1	24 4		191	79 10
Oil launch	Schooner	Schooner	Schooner 4,6	Ketch	Auxiliary		Ferry - 1 boat Ferry - 2	ar er	Lighter Ketch	Auxiliary schooner	Cutter	Schooner 1	Schooner
Manaia, 6 years	Ranger, 19 years	Kawau, s.s.	Star of Canada, s.s., 3 years	St. Anne, 13 years	Melody	The Peregrine, s.s. (new)	Condor, s.s., 9 years Kestrel, s.s., 7	Kestrel, ss., 7 years Wakatere, s.s., 16 years	Haere, 9 years Lizzie Taylor, 20 years	Kaiaia, 3 years	Mana, 37 years	Taniwha, s.s., 14 years	Kotare, s.s., 8 years
,, 16	,, 20	., 21	53	,, 24	July 11	,, 14		. 22	., 25	27	Aug. 5	Ħ,	. 17

Beturn of Wrecks and Casualties to Shipping reported to the Marine Department, etc.—continued.

Date of	Vess			Number of	er of	Na	Nature of	Number	Dicas whoma	1	Wind.		
Casualty	and Class.	2	eig+A nuoT	Crew.	Passeu- gers.	Cargo.	Casualty.	Lives lost,	Casualty occurred.	Direc- tion.	Force.	Finding of Court of Inquiry.	Name of Master.
1912.						ŕ							
er Sny	vears	эспоолег	=		:	Froduce	Collision; no		Oneen's Wherf Wel.	M	Strong	(Whilst the "John" was coming to her berth	S. Holm.
, 19	Defender, ss., 11	Schooner	109	6	:	General	Collision; dam-	:			breeze	slight accident to the h.p. cylinder, and she	J. Jamieson.
,, 22	Aorere, s.s., 26	Ketch	49	6	:	General	age, £100 Stranded;	:	Patea Bar	N.E.	Calm	Vessel grounded when crossing the bar) A. H. Fisk.
2.6	years Dorrigo es	Schooner	10.	ફ		* 2	slight damage	77	Hobert Steers twike at		17:17	1	-
i •		TOTTOOTTOO		3	:		mast mast	:	Auckland	4	angur	when bertung, the foretopmast caught the top- sail yard of the "Joseph Craig," and was	A. J. Many.
29	Defender, s.s.,	Schooner	109	6	:	General	Triffing damage		Off Farewell Snit			carried away Induction-nine cracked and yessel mut into	.T. Tamieson
ç	11 years			' 8	. 8		to machinery	:		: ;	: :	Nelson for repairs	o. cantrosom.
? *	Aupouri, s.s., '	Schooner	977	ŝ	3	:	Loss of pro-	•	Near Tauranga	표 지 지	Strong	The port tail-shaft broke, and was lost with propeller	T. Haultain.
Sept. 4	Manaia, s.s., 6	Schooner	630	- 04	9	General	Age, £70 Collision : no						(F Stenbenson
	8.8., 2			1 41			_	:	No. 4 Jetty, Quay Street, Auckland	:	Calm	As the "Manaia" was leaving the wharf she hummed into the "Kanieri" moned there	T Wivers
	years						ing damage						
, 14	Dorrigo, s.s.,	Schooner	195	ຊ	;	:	Damage to ma-	:	140 miles north of	z	Moderate	The condenser-pump broke down, and the	A. J. Mahy.
, 18	Squall, s.s., 8	Schooner	133	:	;	. :		:	Tolago Bay	Μ.	Moderate	Struck some submerged object and dented two	A. R. Stewart.
	years						merged ob- ject : slight		:			plates	
5		£				·	damage			;			ا
, 19.	Wanganui, 10	Barquen- tine	60g.	===	:	Timber	Dismasted;	:	Cook Strait	N.N.W	Strong	Dismasted in strong wind and heavy sea;	J. A. Berquist.
,, 22	Hina, s.s., 51	Schooner	39	∞	ro.	:	Stranded; no	:	Collingwood River	W.	Gale	A strong fresh in the river combined with the	R. Goldie.
	years						aamage					neavy gale drove the vessel ashore on the river flat	
., 25	Magic, 11 years	Auxiliary	58	9	:	Piles	Stranded; no	•	Wairoa River, Hawke's	S.W.	Moderate	Grounded when crossing the bar owing to in-	S. Fletcher.
30	Gertie, s.s., 21	Schooner	119	14	:	Coal	Granded : dam-	:	Bar, Manawatu River	zż	Light	sufficient depth of water Grounded on the bar owing to insufficient	R. Rodger.
	years						age, £50	. -)	depth of water, and broke propeller-blades	0
Oct. 7	Eileen Ward, s.s.,	, Dredge	926	14	:	•	Collision; no					When proceeding down the river the Manga-	G. A. Simpson.
	2 years Mangapapa, s.s.,	Schooner	87	10	00	General	damage Collision : dam-	:	Wharf, Westport Harbour	:	Light	papa touched the ground and lost steerage- way, and the strong current carried her	F Fletcher
=	9 years		č	'n			age, £50		Ė			against the dredge moored at the wharf	
	ware, so years	schooner	4.		:		Stranded; no damage	:	omana beach, Hau- raki Gulf	:	Calm:		M. McGregor.
					· · · · · ·							neglecting to call the master when in- structed to do so	
,, 12	Pateena, s.s., 29	Schooner	220	28	41	General	Stranded; no	:	Near Jackson's Head	×	Moderate	When nearing Jackson's Head the strong tide	J. G. Watson.
	2						29 mmp		COROOM		OFFICE	beacon, and prevented her answering the	
												helm promptly, and in coming round, her stern touched a small outlying rock	•
», 17	Awahou, s.s., 1	Schooner	151	15	:	Wool	Collision with	:	Wool Wharf, Welling-	ж. Ж.	Light	When approaching her berth the lever of one of	W. Manley.
									100			ahead for a few seconds instead of astern,	
												and the vessel took a sheer and bumped into H.M.S. "Pioneer" moored at the	Å.
	_/	-		_	-	_	-		-			wharf	

																_	
O. Haraldsen.		H. Andersen.	T. M. Jackson.	$\int J$. Uren.	J. Wills.	W. E. Wahl-strom.	J. R. M. Morley.	J. McKenzie.	J. Jamieson.	C. Forder.	R. Goldie.	R. Keynes.	A. J. Charman.	•	J. Corbett.	J. Brown.	R. Goldie.
Ē	charge, and who failed to call the master, although instructed to do so if the weather became hazy. The master was ordered to nay 64 for fall half good of instructions we fall half good of instructions.	¥	The vessel touched bottom when crossing the bar and lost steerage-way, and was swept on to the end of the breakwater, where some loose blocks damaged her hull. She was then carried round the end of the wall and stranded on the beach	The "Ngatoro," when berthing, bumped into the "Surrey," and her port anchor	The coal-hulk "Countess of Errol," when being put alongside the "Wakatu" to coal her, bumped into her and slightly damaged	two plates The rudder-head carried away, and the vessel put into Nelson for repairs	When berthing, her starboard bow bumped heavily on the end of the wharf, denting	two plates Valve-spindle of high-pressure cylinder broke	≱	considerable damage generally The vessel encountered a heavy cyclonic storm, which did considerable damage to deck-fittings and flooded the saloons, cabins,	and officers rooms Key between tail of shaft and boss of pro-	Fire occurred in after end of hold, probably caused by rain-water coming in contact		A passenger named Roddy McGregor was missed from the vessel on the night of the 4th December, and is supposed to have follow overwhood, but the composed to have	as to how the accident occurred. Port tail-shaft carried away	Rudder carried away and she missed stays, and the inner jib then carried away. She	
Moderate	٠.	Strong	Strong	Strong	Strong	Fresh breeze	Fresh breeze	Fresh	Strong breeze	Cyclone	Moderate	•	Moderate	•	Light	Fresh breeze	Light
S.E.		S.W.	S.W.	N.E.	z.	₩.	N.W.	S.W.	S.S.W.	:	S.E.	:	N.W.	:	.	S.W.	'n
Porangahau, Hawke's Bay		13 miles east of Kawau Island	Patea Bar	Wharf, Wellington Harbour	Wharf, Wellington Harbour	Rock's Point, West Coast, South Island	Miramar Wharf, Wellington Harbour	Tiri Passage	Bar, Karamea River	Between Lat.41°S. and Long. 60°29′E.	Aorere River, Colling- wood	West Quay, Port Ahu-	Port Chalmers Wharf	Beacon Point, Wairoa River, Kaipara	Off Waiheke Island	Off Cape Colville	Off Totaranui
:		:	:	:	:	:	:	:	:	:	:	:	:	-	:	:	* : * :
Stranded; no damage	-	Damaged rig-	Stranded; partial loss	Collision; slight damage Collision; no	damage Collision with hulk; triff- ing damage		Collision with wharf; slight	Slight damage	Stranded; damage, £1,000	Considerable damage to fittings	Triffing accident	Fire; no damage to ship	Fire; slight	Loss of life	Broken shaft;	Rudder carried away; slight	damage Broken crank- shaft; slight damage
General		Timber	General	General Coal	General	Live-stock	Coal	:.	General	General	General	General	:	:	:	Timber	General
:			:	: ;		:	:	:	:	16	Ξ	:	:	:	:	•	01
53	,	85 4		3,843 93 583 19	95 14	157 15	1,564 34	82 12	109 13	3,679 63	8 68	75 9	4,025 60	30	34 10	55	39 7
Schooner	4	Schooner		Schooner 3,	Schooner	Schooner	Schooner 1,	Schooner	Schooner	Schooner 3,	Schooner	Auxiliary schooner	Schooner 4,	Auxiliary	Auxiliary	Auxiliary schooner	Cutter
Weka, s.s., 29 years		Wanderer, 9	Hawera, s.s., 2 years	Surrey, s.s., 13 years Ngatoro, s.s., 2	years Wakatu, s.s., 33 years	Putiki, s.s., 7 years	Kurow, s.s., 3 years	Hauiti, s.s., 1	Defender, s.s., 9 years	Nairnshire, s.s., 13 years	Hina, s.s., 51	Kiritona, s.s., 3 years	Waiwera, s.s., 13 years	Tangihua, s.s., 35 years	Waitangi, s.s., 23 vears	May Howard, 26 years	Hina, s.s., 51 years
23		., 25	26	8 8	,, 29	Nov. 2	. III	., 15	18	Oct. 19 and 20	Nov. 20	., 29	Dec. 3	4	6	,, 11	8

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

Rig.	8		Number of	z	Nature of	Number	Dlaga whove	*	Wind.		
	İŞeA	Tonns Wea	Passen-	Cargo.	Casualty.	of Lives lost.	Casualty occurred.	Direc- tion.	Force.	Finding of Court of Inquiry.	Name o aster.
Schooner		,276	:	•	Fire ; triffing	:	Auckland Harbour	:		Fire probably caused by lamp exploding in	: :
Auxiliary		34 5	:	Coal	damage Stranded; slight	;	Mahurangi River	N.E.	Light	nightwatchman's room When proceeding up the river the vessel got	M. Stuart.
ketch Schooner		59 4	•	Coke	damage Dismasted; damage, £70	•	Mahurangi River	W.	Fresh breeze	Whilst beating up the river the mainmast snapped and went over the side, taking	G. Mayall.
Schooner		111 13	:	Wool	Stranded; no damage	:	Clive Beach, near Napier	N.E.	Light	mizzen topmast with it The first mate set the course S.W. by W. W., instead of S. by W. W., and handed over	S. Holm.
	- 31			State of the state						the wrong course to the second mate at midnight. The master should have given written orders in regard to the course to be account The Court ordered the first mate	
æ ₩	Auxiliary schooner	19 7	· •	Fish	Struck a dol- phin; dam-	:	Entrance to Bluff Har- bour	W.S.W.	Moderate	The Court of the second mate £1 Is, expenses of inquiry ough the rudder becoming disabled	J. W. Temarama.
<u></u>	Schooner 2,6	2,648 31	:	Timber	age, £100 Collision with wharf; dam-	•	Napier	zż	Moderate	Caused through error of judgment on part of Harbourmaster, who was in charge	D. Thomas.
	Schooner Oil launch	28 6 2	15 2 56	Paper General	age, £600 Collision; no damage Collision; no damage	:	Greenhythe Wharf, Auckland	: ,	Calm	"Pitoitoi" came up to the wharf too fast, and crushed "Centaur" against wharf	(F. C. Bradney. B. Hunter.
	Schooner	570 20	:	*. *.	Collision; trift- ing damage					The "Ohinemuri" attempted to pass the "Inga" and the "Bell Bird" (which was towing the "Inga"), and collided with the "Bell Bird," causing her to run ashore;	J. H. Bull.
	Schooner	52 6	:	• • • • • • • • • • • • • • • • • • • •	Collision; triff- ing damage		Wairoa River, Kaipara Harbour	N.E.	Moderate	and the "Inga," before her way could be stopped, ran against the "Bell Bird." The Court found that the master of the "Ohinemuri" was guilty of an error of judgment in attempting to pass the other	H. Corlieson.
	Schooner		:	:	Collision; no damage					vessels at a narrow bend of the river, and he was ordered to pay the costs of the inquiry, £11 12s. 6d.	E. Keane.
	Schooner Barque 4	75 10 499 14	: ;	Salt, &c.	Fire; triffing damage Dismasted; damage, £100	: :	Off D'Urville Island 12 miles S. by W. from Cape Willoughby,	ĕ ĕ	Fresh breeze Strong	Fire started in galley through range being in contact with wooden bulkhead Stiff breeze, heavy sea, and big press of canvas caused fore topmast, topgallant	V. E. Jonansen. R. G. Holmes.
-	Schooner 3,6	3,679 56	:	General	Fire; triffing damage	:	S.A. Bluff Wharf	S.W.	Gale	mast, and topsail yards to carry away Fire occurred in No. 1 hold amongst bales of tow. Probably caused by some one having	C. Forder.
	Schooner 7	771 52		•	Fires; triffing damage		Queen's Wharf, Wellington	ż	Light breeze	thrown a lighted match anough bates. Three fires broke out within three hours, but were extinguished before much damage was done	G. Lambert.

T. Green.	R. Goldie.	R. Hart.	R. E. Thorp.	R. Palmer.	G. Lamber.	Vessel laid up.	W. Simmons.	T. Braidwood.	L. B. Gillman.	A. E. H. Purvis.	A. R. Pryde.	N. Macdonald.	E. A. J. Eden.	W. W. Hender.	W. Pelley.
our two heavy seas her to run her bow-	ail end of he vessel	n; supposed	s caused her to bump against the	Struck by heavy squall and dismasted, when she was carried by the current on to the Emma Bank and stranded	overed in one of the bunks in jin. The sheets had been satual kerosene and the ventilators Evidently the work of an		_	way being partially obstructed by the Harbour Board dredge, the vessels came	amongst flax in No. 5 hold.	eding through the French Pass e tide the vessel was carried t got off undamaged on the	rising tide The steering gear jammed, and the vessel A bumped into the wharf	When leaving the wharf at low water her stern struck the bank of the channel and	ailty of error of judgment down and putting out to g obscured all observation.	osts of let the t way on to	
Fresh breeze		Moderate 1	Gale I	Storm	Light Fi	Calm F	==	Light	:	Light V	Light T	Moderate V	Moderate T	Moderate T gale	Moderate H
N.N.W.	Ä	N.W.	». M	N.E.	K	:		ż	-, - :	ż	ø.	S. 冠	Ř	N. E.	N.N.W.
South mole, entrance Nelson Harbour	Wharf	Queen's Wharf, Wellington	Railway Wharf, Auck-land	Manukau Heads	Queen's Wharf, Wellington	Auckland Harbour		Ferry Tee, Auckland Harbour	Timaru Harbour	French Pass	Railway Wharf, Wellington	Maori Kaik, Otago Harbour	Cape Stephens, D'Ur- ville Island	Taiaroa Heads, Otago Harbour	7 miles north of Rangi- N toto Reef
::	.:	:	:	:	:	:	1 .		:	•	:	:	:	•	•
Broken bow- sprit; triff-	ng damage Collision with wharf; triff- ing damage	Fire; damage, £100	Belting stove in; triffing	Dismasted and stranded; greatly dam-	Fire; triffing damage	Fire; no damage to ship	Collision; triff-	Collision; triff- ing damage	Fire; much damage to	Stranded; no damage	Collision with wharf; slight	Stranded; triff- ing damage	Stranded; total	Stranded; slight damage	Dismasted; damage, £30
General	:	Wool	General	•	•	Coal	General	II.	General	General	Coal		Timber and coal	General	•
:	en	:	:	·	•	:	∞	120				150		· · · · · ·	
_ຄ	∞	=	ro	4	52	:	41	4	61	1	22	9	15	21	4
8	33	78	55	76	771	157	122	. 68	4,179	86	663	99	181	404	8
Auxiliary ketch	Cutter	Schooner	Auxiliary schooner	Schooner	Schooner	Schooner	Barge	Barge	Schooner	Schooner	Schooner	Schooner	Schooner	Schooner	Ketch
Jane, 27 years		Manaroa, s.s., 15 years	May Howard, 27 years	Reliance, 9 years	Arahura, s.s.,	Stella, s.s., 37 years	Goshawk, s.s.,	Pupuke, s.s., 4 years	Matatua, s.s., 8 years	Waverley, s.s., 30 years	Koonya, s.s., 15 years	Waikana, s.s., 4 years	Red Pine, s.s., 1 year	Kowhai, s.s., 3 years	Clio, 42 years
. 21	,, 25		27	761 761	8	Feb. 9	8	ି ର ୍ଚ	25	98	. 28	Mar. I		12	28

			Casualt	sies on o	Casualties on or near the Coasts of the Dominion	ре Совя	ts of the	Domin	ion.				Casualt	Casualties outside the Dominion	de the I	ominio	ā			Total	Total Number	
:	!	202	Steamers.		Sailin	Sailing-vessels.		otal wi	Total within Dominion	injon.	ž	Steamers.		Sailin	Sailing-vessels.		Total o	Total outside Dominion.	.	Casualtie	Oasualties reported.	d.
Nature of Casualty.		No. of Vessels.	Топпаке.	No. of Lives lost.	No. of Vessels.	Топпаве.	No. of Lives lost.	No. of Vessels.	Топпаке.	No. of Lives lost.	to .oV Vessels.	Топпъвве.	No. of Lives lost.	No. of Vessels.	Топпаве.	No. of Lives lost.	No. of Vessels.	Tonnage.	Lives lost.	No. oV Vessels.	.egannoT	Lives lost.
Strandings,— Total wreeks		ĸ	5 514		,-	33			5.536									 			964	
Partial loss	: :	41	482	: :	4 67	62	 : :	့ ဖ	561	: :	: :	: :	: :	: :	: :	: :	: :	: :			561	:
		6.0	1,299	:	-	15	:	10	1,314	:	:	:	:	:	:	:	:	•	:	10 1	1,314	:
:	:	30	975	:	:	:	:	20	975	:	:	:	:	:	:	:	:	<u> </u>	:		975	:
Total strandings	:	36	8,270	:	4	116	:	30	8,386	:	:	:	:	:	:		<u> </u> :	<u> </u>		8 8	8,386	:
Foundered,— Total loss Partial loss	::		366 191	25	: :	::	::	нн	366 191	25	::	::	::	::	::	::	::	::	::		366 191	25
Total foundered	:	03	557	25	:	:	:	2	557	25	:	:	:	:	<u> </u> :	:	<u> </u> :	<u> </u> :	<u> </u> :	23	557	25
Collisions,— Partial loss Slight damage No damage	:::	199	109 5,223 2,799	<u> </u>	:::		:::	1010	109 5,223 2,799	;;;	:::	:::	:::	:::	:::	<u> </u>	<u> </u> :::	<u> </u>	:::	1 10 10 20 10	109 5,223 2,799	:::
Total collisions	:	21	8,131	:	:	:	:	21	8,131	:	:	:	:	:	:		<u> </u> :	:	:	21 8	8,131	:
Fires.— Partial loss Slight damage No damage	:::	611-61	10,672 4,336		: ::	66 :	:::	21 00 64	10,771 4,336	:::	:::	:::	:::	:::	:::	:::	:::	1 :::	:::	2 8 8 10 4	109 10,771 4,336	1 :::
Total fires	<u>; </u>	11	15,117	:	-	66		12	15,216			:			<u> </u>					12 15,	216	:
Miscellaneous, including damage by heavy seas to hull and cargo, loss of masts, sails, &c., and breakdown of machinery	heavy seas sails, &c.,	36	8,165	40	10	847	:	396	9,012	9	¢1	5,362	:,	н	499	:	සා . උප	5,831	:	39 14	14,873	9
Total casualties to shipping	guic	98	40,240	31	15	1,062	:	101	41,302	31	C)	5,362	:	-	499		e 2	5,861	:	104 47	47,168	:
Loss of life only		67	3,699	63	:	-:	:	61	3,699	2	:	:	:	:	:		 :	<u> </u> :	:	23	3,699	C4
Total number of casualties reported	les reported	88	43,939	33	15	1,062	:	103	45,001	33	C4	5,362	:	-	499	:	3	5,861		106 50	50,862	33

RETURN OF ACCIDENTS TO SEAMEN AND OTHERS ON BOARD SHIP REPORTED TO THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED THE 31ST MARCH, 1913.

S. Hamblin, greaser Doverned B. At sea. B. Andersen, deek land Doverned B. Andersen, deek land Doverned B. Strained back Belenheim Belenheim Belenheim Brained back Ar sea. B. Gurit, A.B. Strained back Ar sea. B. Horon, 1st mate Crashed back Ar sea. C. Mirro, freman Crashed back Ar sea. D. McPhile, carpenter Grashed finger Ar sea. C. Mirro, freman Injured back Ar sea. D. McPhile, carpenter Bruised back Ar sea. C. Mirro, freman Injured back Ar sea. D. McPhile, carpenter Bruised back Ar sea. C. Mirro, freman Broken thigh and wrist Westport Ar sea. D. McPhile, carpenter Bruised back Ar sea. D. McPhile, carpenter Bruised back Ar sea. D. McPhile, Carbon A.B. Sprained back Ar sea. D. McMall, A.B. Sprained and Ar sea. D. M. Hart, freman A.B. Sprained and And Broken doof Westport Wellington A. Hiltod, A.B. Bruised shoulder Bruised hand Ar sea. D. M. Martin, passage-worker Bruised shoulder Surabaya. D. H. Olsen, A.B. Bruised shoulder Surabaya. D. H. Harto, A.B. Bruised shoulder Ar sea. D. M. Martin, passage-worker Bruised shoulder Surabaya. D. H. Harto, A.B. Bruised shoulder Ar sea. D. W. Last, 3rd mate Injured dig. D. McDoudld, freman Injured dig. D. McDoudld, freman Injured back Ar sea. D. Singer, cook Bruised shoulder Ar sea. D. McDoudld, freman Injured back Westport Ar sea. D. Singer, cook Bruised shoulder Westport Ar sea. D. Singer, cook Bruised back Ar sea. D. Singer, cook Bruised back Westport Ar sea. D. Watt, A.B. Broken arm Ar sea. D. Watt, A.B. Broken arm Ar sea. D. Watt, A.B. Broken bench Ar sea. D. Watt, A.B. Broken bench Ar sea. D. Watt, A.B. Broken bench Ar sea. D. Watt, A.B. Broken bench Ar sea. D. Watt, A.B. Broken bench Ar sea. D. Watt, A.B. Broken bench Ar sea. Dovendel, steward Injured fugers Arthernan Burnt arm Ar sea. D. Watternan Burnt arm Ar sea. D. Watternan Burnt arm Ar sea. Dovendel, steward Ar sea. Dovendel, steward Ar sea. Dovendel, steward Ar sea. Dovendel, steward Ar sea. Dovendel, steward Ar sea. Dovendel, steward Ar sea. Dovendel, steward Ar sea. Dovendel, steward Ar sea. Dovendel, steward	S. Hāmblin, grasser Injured knee Off Hall-moon Bay J. Alschot, O.S. Strained back Bach M. Saunders, A.B. Strained back Injured to Auchlington J. McDond, A.B. Sprained back Injured back In	Name of Vessel, Port of Registry,	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
S. Hamblin, gresser Injured knee of Hallmoon Bay M. J. Kelson, O.S. Strained back Wellington J. Quirie, A.B. Strained back Wellington J. Guirie, A.B. Strained back Fritten Blanham J. McDonald, A.B. Bruised and A sea J. McDonald, A.B. Bruised McDonald, A.B. Bruised McDonald, A.B. Bruised McDonald, A.B. Bruised McDonald inger McCharlty, Human Bruised McCharlty, Human Bruised McCharlty and McCharlty McCharlt McCharlty McCharlty McCharlty McCharlty McCharlty McCharlty McCharlty McCharlty McCharlt McCharlty	S. Hamblin, greaser Injured knee Of Hallmoon Bay F. Andersen, deek had Drowned Of Hallmoon Bay W. J. Nelson, O.S. Twisted ankle Wellington J. Quirt, A.B. Strained back The Arava F. Horn, 1st mate Strained back Lytelton J. McDradid, A.B. Sprained back Lytelton J. McDradid, A.B. Sprained back As sea J. McDradid, A.B. Sprained back As sea J. McDradid, A.B. Sprained back As sea J. McDradie, greaser Injured loot Wellington J. K. Walls, A.B. Sprained ankle Wellington J. K. Mall, A.B. Sprained ankle Wellington J. K. Miller, A.B. Sprained ankle Wellington J. K. Miller, A.B. Sprained ankle Wellington J. M. Hats, freman Britach ankle Wellington J. K. Miller, A.B. Sprained ankle Wellington J. H. Jenter, A.B. Sprained ankle Wellington J. H. Lavrey, bosun Cht and bruised head and hand Wellington	al Number.				Coroner's Anquest neta.
S. Hamblin, grasser Dipured knee At sea W. J. Nalson, O.S. Paristed ankle Off Half-moon Bay W. J. Nalson, O.S. Pristed ankle Wellington J. Quirk, A.B. Strained back Postble S. Miro, Ist mate Pyrained back Pyttelton J. McDon, 1st mate Pyrained back Pyttelton J. McDon, 1st mate Pyrained back Pyttelton J. McDon, 1st mate Pyrained back Pyttelton J. McDon, 1st mate Pyrained back Pyttelton J. McDon, 1st mate Pyrained back Pyttelton J. McDon, 1st mate Pyrained mate Westport J. M. Witshire, A.B. Byrained back Pyttelton J. Krantz, A.B. Injured look Westport J. Krantz, A.B. Injured look Westport J. A. Hinch, A.B. Injured look Pyrained J. A. Hinch, A.B. Injured look At sea J. M. Kinghan, A.B. Brissed shoulder Nalphirgon J. M. Kinghan, A.B. Brissed shoulder At sea	S. Hamblin, grasser Dijured knee At sea J. Audiesn, Gek hand Pownsed Wellington J. Quik, A.B. Strained back Bohheim J. Quik, A.B. Strained back Pownsed J. McDonald, A.B. Strained back Pownsed J. McDonald, A.B. Bristend back Pownsed J. McDonald, A.B. Brished At sea J. McDonald, A.B. Brished At sea J. M. Catillier, grasser Chushed toe At sea J. R. Wilstire, A.B. Chushed finger Wellingort J. R. Wilstire, A.B. Chushed finger Wellingort J. R. Wilstire, A.B. Chushed finger Wellingort J. R. Wilstire, A.B. Strained back Lyttelton J. R. Wilstire, A.B. Sprained back Lyttelton J. M. Wilstire, A.B. Sprained back Lyttelton J. M. Wilstire, A.B. Brinned back Lyttelton J. M. Wilstire, A.B. Brinned back Lyttelton J. Hunter, A.B. Brinived back Lyttelton J. Hunter, A.B. </td <td></td> <td></td> <td></td> <td></td> <td></td>					
E. Andersen, deek hand Drownond Off Half-moon Bay J. Ouirk, A.B. Straited back Blonkein J. Quirk, A.B. Straited back Blonkein R. Rom, Ist unde Straited back Lyttelon R. Rom, Ist unde Straited back Lyttelon R. Rom, Ist unde Straited back Lyttelon R. Mitto, fireman Brundens, A.B. Brundens, Brund back Auckland R. Willifeir, greaser Lyttelon Westport Westport J. R. Willier, greaser Lyttelon Westport Lyttelon J. H. Harvey, bosun Bruined back At was At westport J. H. Harvey, bosun Broined back Lyttelon Durachin J. H. Harvey, bosun Broined back Lyttelon Lyttelon J. A. Hinch, A.B. Sprained able Lyttelon Lyttelon J. A. Hinch, A.B. Sprained able Lyttelon Lyttelon J. A. Hinch, A.B. Sprained able Lyttelon Lyttelon J. A. Hinch, A.B. Injured land Lyttelon Lyttelon	E. Andersen, deek hand Provinced ankle Ormended Off Half moon Bay J. Quirk, A.B. Strained back Wellington J. Quirk, A.B. Strained back Parana J. McDonald, A.B. Strained back Parana J. McDonald, A.B. Strained back A kasa J. McDonald, A.B. Strained back A kasa J. McPale, arpairer Divised log Wellington J. M. Witshire, A.B. Burnt atm A kasa J. M. Witshire, A.B. Strained back A kasa J. M. Witshire, A.B. Strained back A kasa J. M. Witshire, A.B. Strained back A kasa J. M. Harvey, A.B. Strained back Weighort J. M. Harvey, A.B. Browned finger Weighort J. M. Kama, A.B. Browned shoulder Weighort J. M. Kama, A.B. Bruised stam and hand Strained and hand J. Hunter, greaser Injured knee A kasa J. M. Kanghan, A.B. Bruised atm and hand Now Pywouth J. Hunter, greaser Injured knee A kasa<	din. 84479	S. Hamblin, greaser	Injured knee	At sea	He slipped on the deck.
W. J. Nelson, O.S. Twisted ankle Wellington R. Sauriders, A.B. Strained back He Ahron R. Sauriders, A.B. Strained back To Attach J. Quirk, A.B. Strained back To Attach J. McDonald, A.B. Crushed toe At sea J. McDonald, A.B. Crushed toe At sea D. McPhie, ex-penter Injured back At sea J. McCarthy, freman Divined log At sea M. Hels, freman Purped back Lyttellon H. Jeffey, steward Poisoned finger At sea M. Hels, freman Divided back Lyttellon H. Olsen, A.B. Injured back Lyttellon J. M. Kinghan, A.B. Cut hand Duredin J. A. Hinch, A.B. Durined boot Lyttellon J. A. Hinch, A.B. Bruised and alke New Expert J. A. Hinch, A.B. Bruised and alke New Expert J. A. Hinch, A.B. Bruised and alke New Expert J. A. Hinch, A.B. Bruised and mined back New Expert J. A. Hinch, A.B	W. J. Nelson, O.S. Twisted ankle Wellington M. Sunders, A.B. Strained back Portheron R. Sunders, A.B. Strained back Potalish C. Horn, Ist mate Sprained back At sea D. McCarthy, froman Crushed toe At sea D. McCarthy, froman Directed back At sea M. Garding, froman Directed back At sea M. Garding, froman Directed back At sea M. Heta, froman Divisional back Divisional pack M. Heta, froman Strained back Mytesport M. Heta, froman Cut land Divisional pack M. Heta, froman Strained back Divisional pack M. Wells, A.B. Cut land Divisional pack M. Wells, A.B. Bruised shoulder New Pymouth M. M. Hiner, gresser		E. Andersen, deck hand	Drowned	Off Half-moon Bav	Was washed overhoard during a gale.
1. Guinte, A.B. Strained back Bleatheim 1. M. Samiders, A.B. Strained back To Arava 1. Hom, 1st mate Sprained back Lyttelion 1. Hom, 1st mate Brained back Lyttelion 2. Minto, firenan Crusised co Auckland 3. McCarthy, firenan Durned back Westport 4. M. Wellsier, A.B. Proisoned finger Westport 5. R. Wilksire, A.B. Proisoned finger Wellington 6. J. H. Harve, freman Brained back Lyttelton 7. Krantz, A.B. Injured back Lyttelton 8. Wileja, A.B. Injured back Lyttelton 9. J. H. Harve, freman Brained and hand Restpan 1. Kantz, A.B. Injured knee Lyttelton 1. J. A. Hinch, A.B. Brained and hand Restpan 1. J. A. Hinch, A.B. Brained sheed Mestpan 2. J. A. Hinch, A.B. Injured knee Lyttelton 3. J. Hinter, gresser Injured knee Lyttelton 3. J. Hinter, gresser Anjured knee At sea	1. Gouliet, A.B. Strained back Bleabein 1. Rom, ist mate Strained back To Alarcoa 1. R. Bonn, ist mate Strained back Lyttelion 2. Minto, ifferman Crushed back Auckland 3. McDouald, A.B. Bruised Auckland 4. McCarly, ferman Burnt arm Westport 5. Kullifer, greaser Liqued back Westport 6. Kullifer, greaser Lyttelion Westport 7. R. Wilstine, A.B. Poisoned finger At sea 8. Wilstine, A.B. Poisoned finger At sea 9. W. Krantz, A.B. Injured back Westport 10. K. Wall, A.B. Sprained back Westport 10. K. Wall, A.B. Sprained ankle Lyttelon 110264 J. H. Harvey, bosun Gut hand Westport 10. K. Wall, A.B. Sprained ankle Lyttelon 1. K. Wall, A.B. Sprained ankle Lyttelon 1. K. San, B. A.B. Brinsed shoulder New Pymouth 20. W. Kinglan, A.B. Brinsed shoulder At sea 30. R. Mar	edin. 84480	W. J. Nelson, O.S.		Wellington	Whilst hauling a line along the deck
R. Saunders, A.B. Strained back To Aravoa F. Horn, 1st mate Byrained back Lytellon J. McDonald, A.B. Fruised At sea J. McGarthy, firm Pruised At sea J. McGarthy, firm Injured beach At sea J. McGarthy, firm Injured back At sea J. Aclaric, firm Crushed finger Westport J. A. Harvey, bosun Breained back Lyttellon J. A. Harvey, bosun Breained back Lyttellon J. A. Hinch, A.B. Injured loot Lyttellon J. A. Hinch, A.B. Cut hand Lyttellon J. A. Hinch A.B. Cut and bruised head and hand Lyttellon J. A. Hinch, A.B. Injured knee Lyttellon J. Mactin, passage-worler Bruised and and hand Regin J. Mattin, passage-worler Bruised and mad New Plymouth Sp. A. Hinch, gresser Injured knee At sea J. McDonald, fireman Injured foot New Plymouth J. McDonald, fireman Bruised shouder At sea	N. Samiders, A.B. Strained back Travarea C. Mitto, its mate Braised Lytethon J. McDonald, A.B. Braised At sea D. McCarthy, firman Crushed toe At sea D. McPhis, exemen Injured back At sea D. McPhis, exemen Dismost of finger Westport H. Jeffrey, steward Prising finger Westport H. J. H. Harvey, bosun Broken thigh and wrist Dimited for H. Olsen, A.B. Cut hand Dimited for J. M. H. Harvey, bosun Cut hand bruised head and hand Restport J. M. Wells, A.B. Cut hand bruised head and hand Restport J. M. S. Hinch, A.B. Cut and bruised head and hand Restport J. M. Hinch, gresser Injured foot Lyttelton J. H. Hunter, gresser Injured head At sea J. Hunter, gresser Injured head At sea J. Hunter, gresser Injured head At sea J. Hunter, gresser Injured head At sea J. McDonald, fireman Bruth sea At sea	ton 76076	J. Onirk A.B.		Blenheim	Whilst working cargo
F. Horn, 1st mate Sprained back Lyttelion 5. McDonald, A.B. Brunde dec. Auckleton 5. Mitto, fireman Brunte deck Auckland 5. T. McCarthy, fireman Brunt arm Westport 5. T. McCarthy, fireman Brunt arm Westport 5. T. McCarthy, fireman Brunt arm Westport 6. J. R. Wiltstine, A.B. Poisoned finger At sea 6. J. Krantz, A.B. Poisoned finger At sea 6. J. Krantz, A.B. Broken thigh and wrist Dunctin 6. J. Krantz, A.B. Sprained back Lyttelton 6. J. Krantz, A.B. Sprained ankle Lyttelton 6. J. Kringhan, A.B. Bruined shoulder Nestport 7380 I. A. Hinch, A.B. Bruined shoulder Nestpon 8. M. Hinch, firenan Injured leaf At sea 9. J. McDonald, firenan Injured leaf At sea 9. J. McDonald, firenan Injured leaf At sea 9. J. Singer, cook Broken colla hone At sea 9. J. Ringer, cook Mrinced back At sea	F. Horn, 1st mate Sprained back Lyttelion 5. Minto, fireman Emissed Atockardy 5. Minto, fireman Bruised tee Atockardy 5. T. McCarthy, fireman Bruited back At sea 5. T. McCarthy, fireman Bruited leg Westport 6. J. R. Willstire, greaser Injured leg Westport 9. J. H. Harvey, bosun Bruised leg Westport 9. J. H. Harvey, bosun Brown thigh and wrist Dunctin 9. J. H. Harvey, bosun Brown thigh and wrist Dunctin 9. J. H. Harvey, bosun Cutaked fines Lyttelton 9. J. A. Hinch, A.B. Cut and buised head and hand Lyttelton 9. J. A. Hinch, A.B. Sprained ankle Lyttelton 9. J. A. Hinch, A.B. Sprained hand Lyttelton 9. J. H. Oldridge, A.B. Injured leg Now Plymouth 9. J. Hunce, greasor Bruised shoulder Now Plymouth 1. M. Oldridge, A.B. Injured leg Now Plymouth 1. M. Oldridge, A.B. Bruised and hand At sea 2. Supper, A.B. Ricke	lin 89094	M. Saunders. A.B.	Strained back	The Aranoa	Whilst working in surf-hoat.
M. M. Donald, A.B. Bruised	McDonald, A.B. Brinsed toe	117598	F. Horn. 1st mate	Sprained back	Lyttelton	He fell down the companion.
55 T. Mitto, fireman Crushed toe Anckland 55 T. McCarthy, fireman By Archite, carpenter Thured arm Westport 55 T. McCarthy, fireman Burnt arm Westport 56 H. Gling, greaser Livitedine, greaser Louthed finger At sea 90 J. K. Wittshire, A.B. Poisoned finger At sea 91 H. Harvey, steward Poisoned finger At sea 91 H. Harvey, steward Dunctin Durdingon 92 J. H. Harvey, steward Dunctin Durdingon 94 J. H. Harvey, steward Lot and burle and wrist Dunctin 95 J. H. Glingha, A.B. Cut and burle and wrist Dunctin 96 J. A. Hinch, A.B. Burled and and hand Lyttelton 97 J. H. Glidge, A.B. Burlinged and and hand Jyttelton 88 J. H. Gliddige, A.B. Burlinged and hand Jyttelton 88 J. H. Glidge, A.B. Burlinged and hand Jyttelton 88 J. H. March, A.B. Burl	Minto, fivenan Grashed toe Auckland Auckland Auckland Aucknown Minto, fivenan Burnet acm Westport Aucknown Minted beek Aucknown Westport Aucknown Minted beek Aucknown Metaport Aucknown Minted Beek Aucknown Metaport Aucknown Minted Beek Aucknown Metaport Aucknown Minted Beek Aucknown Metaport Aucknown Minted Beek Aucknown Metaport Aucknown Metaport Aucknown Metaport Aucknown Metaport Aucknown Metaport Aucknown Metaport Me	Jin 76068	J. McDonald, A.B.	Bruised	At sea	Was knocked down by a sea
8 D. McPhie, carpenter Injured back At sea 85 T. McChiller, gressen Burtra arm Westport 90 J. R. Wittshire, A.B. Crushed finger Westport 90 J. R. Mirchiler, gressen Crushed finger Westport 90 M. Heta, freman Brained back Lyttelton 91 J. A. Hinch, A.B. Injured foot Westport 90 J. A. Hinch, A.B. Injured back Westport 90 J. A. Hinch, A.B. Injured back Ragian 90 J. A. Hinch, A.B. Injured back New Pymoth 90 N. Weils, A.B. Bruised shoulder New Pymoth 77801 R. Mitchell New Pymoth At sea 1 H. Indire, gresser Amputated finger At sea 1 H. Injured hand New Pymoth At sea 1 M. Mitchell, donkeyman Bruth hand New Pymoth 1 M. Lond, freman Bruth hand At sea 1 M. Swiller, obe R. Ricked back <td> D. McPhie, carpenter Injured back At sea </td> <td>117600</td> <td>C Winto fireman</td> <td></td> <td>Andriand</td> <td>A wontiletor fell on his foot</td>	D. McPhie, carpenter Injured back At sea	117600	C Winto fireman		Andriand	A wontiletor fell on his foot
5 T. McCarthy, framman Brint arm Westport 5 W. Gulfleir, grasser Injured leg Westport 6 J. R. Wilsthire, Assert Lotted finger At sea 7. M. Heis, freman Brained back Lytelton M. Heis, freman Brained hand Wellington J. Krantz, A.B. Brained ankle Lytelton O. J. Krantz, A.B. Bruized and braised head and hand Ragian M. Wells, A.B. Bruized shoulder New Pymouth Stor. K. Righam, A.B. Bruized ann and hand Ragian 3000. F. Babbage, A.B. Bruized shoulder New Pymouth 5701. R. Martin, passage-worker Injured hand At sea 5701. R. Martin, freman Injured hand At sea 601. J. Huoltrigge, A.B. Riverd back At sea 701. M. Last, 3rd mate Injured hand At sea 702. W. Last, 3rd mate Broken arm At sea 703. M. Last, 3rd mate Broken arm At sea	5 T. McCarthy, framman Brint arm Westport 5 W. Galifer, greaser Lipted fleger Wellington 6 J. R. Wiltshire, greaser Lipted fleger Wellington 7. H. Harroey, Seward Proisoned finger At sea 8. M. Helas, freman Brossen thigh and wrist Dunctin 6. J. H. Harroey, Seward Proisoned flower Veilington 6. J. H. Harroey, Seward Sprained ankle Wellington 7. Kraitz, A.B. Sprained ankle Lyttelton 8990. F. Babboge, A.B. Bruised smand band Lyttelton 77 M. Millington New Pymouth 787 M. Aritin, passage-worker Bruised and and hand Lyttelton 787 M. Aritin, passage-worker Bruised and and hand Lyttelton 787 M. Aritin, passage-worker Bruised and and hand Lyttelton 8 J. H. Oldridge, A.B. Bruised and and hand At sea 9 J. Hunter, greaser Injured leg At sea 9 J. Hunter, greaser Injured leg At sea	3; 7606e	D MoPhie commenter		At soo	Med brooked down by a not
M. Gallifer, greaser Dunne altur. W. Gallifer, greaser Gushed finger Hollington H. Jeffrey, steward Poisoned finger H. Jeffrey, steward Poisoned finger H. Harvey, bosun Broken thigh and wrist Dunedin H. Olsen, A.B. J. Krantz, A.B. Sprained ankle J. Krantz, A.B. Sprained ankle H. Olsen, A.B. Injured foot Lyteliton J. A. Hinch, A.B. Injured some and hand Ragian J. Krantz, A.B. J. Hunch, A.B. Injured some and hand Hand Hand Hand Hand Hand Hand Hand Pullington J. Hunch, greaser Amised house and and hand Hand Surabaya J. Hunch, greaser Amised hand Hand Hand Surabaya J. Hunch, greaser Amised hand Hand Hand Hand Hand Hand Hand Hand H	M. Gallifer, greaser injured leag. H. Harvey, alexand Poisoned finger Wellington H. Jeffrey, steward Poisoned finger H. Harvey, bosum Broken Light and wrist Dimedian H. Heta, fireman H. Guth and Dimed lead H. Harvey, bosum Broken Light and Westport H. Wellington H. Krantz, A.B. Hinch, A.B. Hinch, A.B. Hinch, A.B. Hinch, A.B. Hinch, A.B. Hinch, A.B. Hinch, A.B. Hinch, A.B. Hinch and bruised head and hand Raglan H. Wellington H. Wellington H. Merting arm and bruised hand Raglan H. Hunder, greaser Ampliated finger H. Hunder, greaser Ampliated finger H. McDonald, fireman H. Saville, G.S. Hergin, A.B. Haves, A.B. H	Jin 101495	T. McCouther farmer	Desire to man	THE SER	Was another town by a sea.
W. Gulling, Reases Injured finger Westport J. R. Wiltshire, A.B. Crushed finger At sea H. Jeffrey, steward Strained back Lyttelton 204 J. H. Harvey, bosun Cut hand Lyttelton J. Krantz, A.B. Sprained anke Lyttelton J. Krantz, A.B. Sprained anke Lyttelton J. Krantz, A.B. Sprained anke Lyttelton J. A. Hinch, A.B. Cut and bruised head and hand Lyttelton R. Markin, passage-worker Bruised shoulder Row Plymouth R. Markin, passage-worker Bruised shoulder New Plymouth R. Markin, passage-worker Bruised shoulder Surbaya J. Hunter, greaser Rurised shoulder New Plymouth R. Kritton, freman Injured log At sea R. Kritton, freman Injured log At sea J. Hunter, greaser Injured log At sea R. Kritton, freman Broken ollarbone Lyttelton J. Bergin, A.B. Roken back At sea R. Singeton, G.S. Riptured <	W. Guiller, A.B. Juillated finger Westport J. R. Wiltshire, A.B. Crushed hinger At sea H. Jeffrey, steward Strained back At sea J. H. Harvey, bosun Strained back Lyttelton J. H. Harvey, bosun Cut hand Dunedin J. Krantz, A.B. Sprained ankle Lyttelton J. Krantz, A.B. Sprained ankle Lyttelton J. A. Hinch, A.B. Injured knee Lyttelton J. M. Wells, A.B. Bruised shoulder New Pymouth R. Martin, passage-worker Bruised shoulder New Pymouth J. H. Oldridge, A.B. Injured load At sea J. H. Oldridge, A.B. Annucked finger At sea J. H. Albridge, A.B. Annucked linger At sea J. McDonald, freeman Injured back At sea J. Bergin, A.B. Ringed back At	am, 101485	I. McCartiny, meman	Durnt arm	Westport	Whilst working at boiler his arm touched a steam-pipe.
H. W. Wilsington Hinger H. Jeffrey, steward Poisoned finger H. Jeffrey, steward Paranel back During the H. Harvey, bosun Broken thigh and wrist Duried in Cut hand Ont hand Westport Wellington J. Krantz, A.B. Sprained abole Westport Westport Sprained and busied head and hand Westport Sprained abole By Sprained and busied head and hand Lyttelton Cut and bruised sheuler Lyttelton Bruised shuller Bruised arm and hand By Westport Sprained and hand Bruised shuller Mersical Assessibilities A.B. Injured leg Wellington J. Hunter, greaser Amised shoulder Mersical Assessibilities A.B. Broken collarbone Assessing Broken collarbone Assessing A.B. Broken collarbone Assessing Broken collarbone Assessing Assessing Broken arm Broken collarbone Broken C. Singer, cook Bright Broken arm Mersical Assessing Broken arm Assessing Broken arm Assessing Broken arm Assessing Broken arm Assessing Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Broken arm Art sea Assessing Broken arm Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Art sea Assessing Broken arm Broken arm Art sea Assessing Broken arm Broken arm Art sea Assessing Broken arm Broken Broken arm Art sea Assessing Broken arm Broken Broken arm Art sea Assessing Broken arm Broken	1. K. Wilkishine, A.B. Crushed Inger Wellington 1. J. Effery, steward Poisoned finger M. Heta, fireman 264. J. H. Harvey, bosum Strained back Lytelton 1. Krantz, A.B. Cut hand Wellington N. Wells, A.B. Injured foot Westport N. Wells, A.B. Injured shoeler Lytelton N. Kingham, A.B. Bruised shoulder Lytelton N. Kingham, A.B. Bruised shoulder Lytelton N. Kingham, A.B. Bruised shoulder New Plymouth R. Martin, passage-worker Bruised shoulder New Plymouth J. Hunter, greaser Injured log At sea R. Fitton, freman Injured log At sea C. W. Last, 3rd mate Broken collarbone At sea J. Bergin, A.B. Ricked back Lyttelton J. Bergin, A.B. Ricked back At sea J. Sniger, cook Broken arm At sea A. V. Barton, A.B. Rythured hand Mestport J. Sniger, cook Injured hand Westport J.	din, 101485	W. Gullifer, greaser	Tulning leg Sel painful	Westport	Supped on stokehold ladder.
H. Heirey, stoward Poisoned finger At sea 264 J. H. Harvey, bosum Strained back Lyttelton H. Olisn, A.B. Cut hand Wellington J. Krantz, A.B. Injured foot Westport J. Krantz, A.B. Cut and bruised head and hand Lyttelton J. Krantz, A.B. Injured knee Lyttelton J. H. Broth, A.B. Injured knee Lyttelton J. H. Oldridge, A.B. Injured leg New Plymouth J. H. Oldridge, A.B. Injured leg At sea J. H. Oldridge, A.B. Ryteled back At sea J. H. Oldridge, A.B. Ryteled back At sea J. Bergin, A.B. Broken arm At sea J. Bergin, A.B. Broken arm At sea J. G. Lauri, O.S. Injured back Westport J. Watt, A.	H. Jeffrey, steward Poisoned finger At sea 264 J. H. Harvey, bosun Strained back Jyttelton 264 J. H. Harvey, bosun Strained back Jyttelton H. Krantz, A.B. Sprained ankle Westport N. Wells, A.B. Sprained ankle Lyttelton N. Wingham, A.B. Bujesd shoulder Nav Pymouth R. Martin, passage-worker Bruised shoulder Nav Pymouth R. Martin, passage-worker Bruised shoulder Surebaya J. H. Oldridge, A.B. Injured lag Mellington R. Fitton, freman Injured hand Numborald J. H. Oldridge, A.B. Roben collarbore At sea C. W. Last, 3rd mate Injured hand At sea J. McDonald, freman Broken collarbore At sea J. Bergin, A.B. Broken arm At sea J. Bergin, G.S. Injured back Mesea J. Bergin, A.B. Injured back Mesea J. Watch, A.B. Broken arm At sea J. Watch, A.B. Injured sam At sea	gton, 91800	J. K. Wiltshire, A.B	Crushed finger	Wellington	Whilst working cargo.
M. Heta, fireman Strained back Lyttelton 264 J. H. Harvey, bosum Cut hand Duneddin J. Krantz, A.B. Cut hand Westport J. A. Hinch, A.B. Chiured foot Westport J. A. Hinch, A.B. Chiured shole Lyttelton J. A. Hinch, A.B. Injured knee Lyttelton J. A. Hinch, A.B. Bruised shouled New Pymouth R. Martin, passage-worker Bruised shouled New Pymouth J. H. Oldridge, A.B. Injured leg Wellington J. H. L. Sarile, G.S. Anputated finger At sea C. W. Last, 3rd mate Injured foot At sea J. McDonald, fireman Broken collarbone At sea J. McDonald, fireman Broken arm At sea J. McDonald, fireman Broken arm At sea J. McDonald, fireman Broken arm At sea J. Bergin, A.B. Broken arm At sea J. Singer, cook Ruptured Ruptured J. Singer, cook Ruptured Ruptured J. Wyatt, A.B.	264 J. H. Hate, fireman Strained back Lyttelton 264 J. H. Harvey, bosum Cut hand Dunddin 5 J. Krantz, A.B. Cut and brused head Westport N. Wells, A.B. Injured foot Lyttelton J. A. Hinch, A.B. Injured head Lyttelton J. A. Hinch, passage-worker Bruised arm and hand Rytelton W. Kingham, A.B. Injured head Neilington J. Hunter, greaser Injured hand At sea J. Hunter, greaser Injured hand At sea J. M. Oldridge, A.B. Injured hand At sea J. M. Last, 3rd mate Injured loot At sea J. M. M. M. Swille, G.S. Ricked back At sea J. M. M. Bowll, fireman Broken collarbone Lyttelton J. Bergin, A.B. Broken arm At sea J. Bergin, A.B. Ricked back Westport R. Mitchell, donkeyman Broken arm At sea J. Smigetton, G.S. Injured back Westport A. V. Barton, A.B. Broken arm	unedin	H. Jeffrey, steward	Poisoned finger	At sea	Whilst scrubbing floor a piece of glass got under his finger-nail.
264 J. H. Harvey, bosum Broken thigh and wrist Dunedin H. Olson, A.B. Cut hand Wellington J. Krantz, A.B. Lipured foot Westport J. Krantz, A.B. Cut and bruised head and hand Lyttelton J. Babbage, A.B. Bruised shoulder New Plymouth R. Martin, passage-worker Bruised shoulder New Plymouth R. Martin, passage-worker Bruised shoulder New Plymouth B. H. Oldridge, A.B. Injured leg Wellington J. Hunter, greaser Injured leg At sea R. Fitton, fireman Injured leg At sea J. McDonald, fireman Injured leg At sea J. McDonald, fireman Injured leg At sea J. McDonald, fireman Broken collarbone At sea J. McDonald, fireman Broken collarbone At sea J. Michell, donkeyman Broken collarbone At sea J. Mischell, donkeyman Broken cook Merpare J. Singer, cook Injured back Westport G. Singeleton, G.S. Injured hand <td>264 J. H. Harvey, bosum Broken thigh and wrist Dunedin H. Olsen, A.B. Cut hand Wellington J. Krantz, A.B. Cut and bruised head and hand Lyttelton J. Krantz, A.B. Cut and bruised head and hand Lyttelton F. Babbage, A.B. Injured knee Lyttelton F. B. Martin, passage-worker Bruised shoulder Now Plymouth J. Hunter, greaser Injured leg At sea J. H. Oldridge, A.B. Injured leg At sea J. H. J. Lask, 3rd mate Injured leg At sea J. Walle, G.S. Ricken collarbone At sea J. Bergin, A.B. Broken arm At sea J. Bergin, A.B. Broken arm At sea A. V. Barton, A.B. Broken arm At sea A. Wattlooks, steward Injured arm At sea A. Wattlooks, steward Injured arm At sea <td>edin. 89380</td><td>M. Heta, fireman</td><td>Strained back</td><td>Lyttelton</td><td>Whilst working in hoilers.</td></td>	264 J. H. Harvey, bosum Broken thigh and wrist Dunedin H. Olsen, A.B. Cut hand Wellington J. Krantz, A.B. Cut and bruised head and hand Lyttelton J. Krantz, A.B. Cut and bruised head and hand Lyttelton F. Babbage, A.B. Injured knee Lyttelton F. B. Martin, passage-worker Bruised shoulder Now Plymouth J. Hunter, greaser Injured leg At sea J. H. Oldridge, A.B. Injured leg At sea J. H. J. Lask, 3rd mate Injured leg At sea J. Walle, G.S. Ricken collarbone At sea J. Bergin, A.B. Broken arm At sea J. Bergin, A.B. Broken arm At sea A. V. Barton, A.B. Broken arm At sea A. Wattlooks, steward Injured arm At sea A. Wattlooks, steward Injured arm At sea <td>edin. 89380</td> <td>M. Heta, fireman</td> <td>Strained back</td> <td>Lyttelton</td> <td>Whilst working in hoilers.</td>	edin. 89380	M. Heta, fireman	Strained back	Lyttelton	Whilst working in hoilers.
H. Olsen, A.B. Cut hand Wellington J. Krantz, A.B. Diured foot Westport N. Wells, A.B. Sprained ankle Lyttelton J. A. Hinch, A.B. Bruised shoulder Lyttelton W. Kingham, A.B. Bruised shoulder New Plymouth W. Kingham, A.B. Bruised shoulder New Plymouth J. H. Oldridge, A.B. Bruised arm and hand New Plymouth J. H. Oldridge, A.B. Injured log Wellington J. H. Chonald, fireman Injured log At sea J. McDonald, fireman Broken collarbone At sea J. McDonald, fireman Broken collarbone At sea J. McDonald, fireman Broken arm At sea J. Swille, G.S. Broken arm At sea J. Swiller, cook Ricked back Lyttelton J. Swiller, G.S. Ruptured Tharm, O.S. J. Singer, cook Ruptured Westport G. Singeton, G.S. Ruptured Westport R. Hopkins, mate Broken arm Westport J. Wyatt, A.B.	H. Olsen, A.B. Cut hand Wellingon J. Krantz, A.B. Dijured foot Westport N. Wells, A.B. Sprained and bruised head Lyttelton F. Babbage, A.B. Injured knee Lyttelton W. Kinghan, A.B. Bruised shouled New Plymouth W. Kinghan, A.B. Bruised shouled New Plymouth J. H. Oldridge, A.B. Injured knee Nellington J. H. Oldridge, A.B. Injured leg At sea J. H. Oldridge, A.B. Injured foot At sea C. W. Last, 3rd mate Injured foot At sea J. McDonald, fireman Broken collarbone At sea J. McDonald, fireman Broken collarbone At sea J. McDonald, fireman Broken arm At sea J. Singer, cook Rook Roben back At sea J. Singer, cook R. Hopkins, mate Broken leg At sea	thbampton 110264		Broken thich and wrist	Dunedin	Was knocked down hold by sling
J. Kirattz, A.B. Injured of toot Westhoot J. M. Wells, A.B. Spranned ankle Injured foot J. A. Hinch, A.B. Spranned ankle Lyttelton F. Babbage, A.B. Injured knee Injured knee R. Martin, passage-worker Bruised shoulder New Pymouth R. Martin, passage-worker Bruised shoulder New Pymouth R. Martin, passage-worker Injured finger At sea J. H. Oldridge, A.B. Amputated finger At sea R. Fitton, fireman Injured log At sea J. McDonald, fireman Injured log At sea J. McDonald, fireman Broken ollarbone At sea J. McSrille, G.S. Broken ollarbone Lyttelton J. McSrille, G.S. Broken arm At sea J. Singer, cook Injured back At sea J. Singer, cook Injured back Mestport G. Singeron, G.S. Injured back Mestport A. V. Barton, A.B. Injured hand Mestport A. W. Barton, A.B. Injured hand Mestport <tr< td=""><td>J. Krantz, A.B. Injured foot Weather of Versity, A.B. J. A. Hinch, A.B. Sprained ankle Lyttelton J. A. Hinch, A.B. Bruised shoulder Lyttelton R. Babbage, A.B. Bruised shoulder New Plymouth R. Martin, passage-worker Bruised arm and hand New Plymouth R. Martin, passage-worker Bruised arm and hand Nellington J. H. Oldridge, A.B. Bruised star and hand At sea R. Fitton, freman Injured log At sea R. Fitton, freman Injured log At sea J. McDonald, fireman Broken of collatione Lyttelton H. Saville, G.S. Ricked back Lyttelton J. Rergin, A.B. Broken arm At sea J. Singer, cook Rinjured back Westport G. Singleton, G.S. Injured hand Westport A. V. Barton, A.B. Broken log At sea A. V. Barton, A.B. Broken log At sea J. Wyatt, A.B. Broken log At sea J. Levis, freman Injured dead At sea</td><td>40m 6758K</td><td></td><td>Cut hand</td><td>Wollington</td><td>Cut his hand exhibit outting a new</td></tr<>	J. Krantz, A.B. Injured foot Weather of Versity, A.B. J. A. Hinch, A.B. Sprained ankle Lyttelton J. A. Hinch, A.B. Bruised shoulder Lyttelton R. Babbage, A.B. Bruised shoulder New Plymouth R. Martin, passage-worker Bruised arm and hand New Plymouth R. Martin, passage-worker Bruised arm and hand Nellington J. H. Oldridge, A.B. Bruised star and hand At sea R. Fitton, freman Injured log At sea R. Fitton, freman Injured log At sea J. McDonald, fireman Broken of collatione Lyttelton H. Saville, G.S. Ricked back Lyttelton J. Rergin, A.B. Broken arm At sea J. Singer, cook Rinjured back Westport G. Singleton, G.S. Injured hand Westport A. V. Barton, A.B. Broken log At sea A. V. Barton, A.B. Broken log At sea J. Wyatt, A.B. Broken log At sea J. Levis, freman Injured dead At sea	40m 6758K		Cut hand	Wollington	Cut his hand exhibit outting a new
N. Westport Westport N. Wells, A.B. Cut and bruised head and hand Lyttelton I. A. Hinch, A.B. Cut and bruised head and hand Raglan I. A. Hinch, A.B. Bruised shoulder Nestpouth R. Martin, passage-worker Bruised arm and hand Ney Pymouth J. H. Oldridge, A.B. Injured leg At sea J. Hunter, greaser Injured leg At sea J. Hunter, greaser Injured leg At sea J. McDonald, fireman Broken colarbone At sea J. Singer, cook Broken colarbone At sea J. Singer, cook Broken arm At sea J. Singer, cook Injured back Westport G. C. Laurin, O.S. Injured back At sea A. V. Barton, A.B. Broken arm At sea A. V. Barton, A.B. Injured eye Whangarei A. Willocoks, steward Injured arm At sea J. Wyatt, A.B. Injured head At sea J. Lewis, fireman Injured knee At sea J. Lewis, fireman Injure	N. Weils, A.B. J. A. Hinch, A.B. J. A. Hinch, A.B. J. A. Hinch, A.B. J. A. Hinch, A.B. J. A. Hinch, A.B. J. A. Hinch, A.B. J. Bruised arm and hand W. Kingham, A.B. Bruised arm and hand J. H. Oldridge, A.B. J. H. Oldridge, A.B. J. H. Oldridge, A.B. J. Hunter, greaser R. Fitton, fireman J. Hast, 3rd mate J. McDonald, fireman H. Saville, G.S. Hocken collarbone J. Broken collarbone H. Saville, G.S. Hocken collarbone J. Singer, cook R. Michell, donkeyman J. Singer, cook R. Bruised arm J. Singer, cook J. Singer, cook R. Hunter, greaser J. Broken arm J. Singer, cook J. Singer, cook J. Singer, cook J. Singer, cook J. Singer, cook J. Singer, cook J. Singer, cook J. Singer, cook J. Singer, cook J. Willcooks, steward J. Wyatt, A.B. Broken band J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Wyatt, A.B. Broken head J. Watten J. Lewis, fireman J. Hurter arm J. Rowell, steward Injured fingers J. Lewis, fireman J. Howis, fireman J. Howell, fireman J. Rowell, steward J. Howis, fireman J. Rowell, steward J. Howashorth, A.B. Broken head J. Rowell, steward J. Howis, fireman J. Rowell, steward J. Howashorth, A.B. J. Rowell, steward J. Howashorth, A.B. J. Rowell, steward J. Howashorth, A.B. J. Rowell, steward J. Howashorth, A.B. J. Rowell, steward J. R	100H, 51.065	I V mente A D	Tailing foot	Wellington	Cub its name willst cubing a rope.
N. Wells, A.B. Sprandt ankle Lyttelton J. A. Hinch, A.B. Spranded shoulder Raglan F. Babbage, A.B. Bruised shoulder New Plymouth R. Mattin, passage-worker Bruised shoulder New Plymouth J. H. Odridge, A.B. Injured land New Plymouth J. H. Udridge, A.B. Injured land New Plymouth J. H. Last, greaser Injured land At sea J. McDonald, fireman Injured leg At sea H. Saville, G.S. Broken collarbone At sea H. Saville, G.S. Broken ollarbone Lyttelton H. Saville, G.S. Broken arm At sea J. Singer, cook Ricked back Nestport G. Singeron, G.S. Ruptured Thytasen J. Singer, cook Ruptured Thytasen G. Singeron, G.S. Ruptured Thytasen J. Watt, A.B. Injured back Westport J. Wyatt, A.B. Injured dead At sea J. Wyatt, A.B. Injured dead At sea J. Lewis, fireman I	N. Wells, A.B. Spranded ankle Lyttelion J. A. Hinch, A.B. Injured knee Injured knee F. Babbage, A.B. Injured knee Injured knee W. Kingham, A.B. Bruised shoulder New Plymouth B. Mattin, passage-worker Bruised arm and hand New Plymouth J. H. Oldridge, A.B. Injured band Wellington A. Fitton, freman Injured log At sea B. Fitton, freman Injured log At sea J. McDonald, freman Broken collarbone At sea J. McDonald, freman Broken collarbone At sea J. Bergin, A.B. Broken arm At sea J. Singer, cook Broken arm At sea J. Singer, cook Injured back Westport G. C. Laurin, O.S. Injured back Westport A. V. Barton, A.B. Broken arm At sea A. V. Barton, A.B. Broken arm At sea A. V. Barton, A.B. Broken arm At sea J. Wyatt, A.B. Broken lear At sea J. Wyatt, A.B.	edin, 117996	J. Krantz, A.B.	Injured 100t	Westport	A hatch-beam fell on his toot.
F. Babbage, A.B. Cut and bruised head and hand Ragjan W. Kingham, A.B. Bruised shoulder New Plymouth B. Martin, passage-worker Bruised arm and hand New Plymouth J. H. Oldridge, A.B. Injured leg Nelson J. H. Oldridge, A.B. Injured leg At sea J. Hutter, greaser Injured leg At sea C. W. Lask, 3rd mate Injured coot At sea J. McDonald, fireman Broken collarbone At sea J. Bergin, A.B. Ricked back At sea J. Singer, cook Injured back At sea J. Singer, cook Injured back At sea J. Singer, cook Injured eye Westport G. Singetcon, G.S. Injured eye Whangarei A. V. Barton, A.B. Broken leg At sea J. Wyatt, A.B. Injured eye At sea J. Wyatt, A.B. Injured head At sea J. Wyatt, A.B. Injured head At sea J. Wyatt, A.B. Injured head At sea J. Lewis, fireman I	F. Babbage, A.B. Cut and bruised head and hand Ragian W. Kingdam, A.B. Bruised shoulder New Plymouth B. Martin, passage-worker Bruised arm and hand New Plymouth J. H. Oldridge, A.B. Injured leg Nellington J. H. Oldridge, A.B. Injured leg At sea J. Hunter, greaser Injured band At sea C. V. Last, 3rd mate Injured book At sea J. McDonald, fireman Broken collarbone At sea J. McDonald, fireman Broken arm At sea J. Saville, G.S. Ricked back At sea J. Bergin, A.B. Broken arm Lyttelton J. Singer, cook Ruptured Thanses A. V. Barton, A.B. Broken arm Lyttelton J. Watt, A.B. Broken leg At sea J. Wyatt, A.B. Broken leg At sea J. Wyatt, A.B. Broken leg At sea J. Wyatt, A.B. Broken leg At sea J. Wyatt, A.B. Broken leg At sea J. Wyatt, A.B. Burnt arm </td <td>edin, 106640</td> <td>N. Wells, A.B.</td> <td>Sprained ankle</td> <td>Lyttelton</td> <td>Tripped.</td>	edin, 106640	N. Wells, A.B.	Sprained ankle	Lyttelton	Tripped.
F. Babbage, A.B. Injured knee Lyttelton W. Kinglam, A.B. Bruised shoulder New Plymouth B. Martin, passage-worker Bruised shoulder Surabaya J. H. Oldridge, A.B. Anputated finger At sea J. Hunter, greaser Injured log At sea R. Fitton, fireman Injured log At sea R. Saville, G.S. Broken collarbone At sea H. Saville, G.S. Broken ollarbone At sea T. Hayes, A.B. Ricked back Lyttelton J. Bergin, A.B. Broken arm Lyttelton J. Bergin, A.B. Broken arm Lyttelton J. Singer, cook Ruptured Mexport G. Singleton, G.S. Injured back At sea J. Singer, cook Ruptured Westport G. Singleton, G.S. Injured band Westport J. Singer, cook Ruptured Westport R. Hopkins, mate Broken arm Westport R. Hopkins, mate Broken arm Whaspare A. Willocoks, steward Injured dead <td>F. Babbage, A.B. Injured knee Lytfelton W. Kingham, A.B. Bruised shoulder New Plymouth J. H. Oldridge, A.B. Amputated finger At sea J. H. Oldridge, A.B. Anniver leg At sea J. Hunter, greaser Anniver leg At sea R. Fitten, freman Injured leg At sea C. W. Last, 3rd mate Injured leg At sea J. McDonald, freman Ricked back At sea H. Saville, G.S. Ricked back At sea J. Bergin, A.B. Ricked back At sea J. Singer, cook Ricked back Westport G. Singlecon, G.S. Ruptured Thames A. V. Barton, A.B. Injured back Westport A. V. Barton, A.B. Injured eye Westport W. Beven, a.B. Injured eye Westport J. Wyatt, A.B. Injured head Napier J. Wyatt, A.B. Injured foot At sea J. Backburn, fireman Injured driee At sea J. Backburn, fireman Injured dringers</td> <td>nd, 102280</td> <td>J. A. Hinch, A.B</td> <td>Cut and bruised head and hand</td> <td>Raglan</td> <td>Some bricks fell out of a basket on to him.</td>	F. Babbage, A.B. Injured knee Lytfelton W. Kingham, A.B. Bruised shoulder New Plymouth J. H. Oldridge, A.B. Amputated finger At sea J. H. Oldridge, A.B. Anniver leg At sea J. Hunter, greaser Anniver leg At sea R. Fitten, freman Injured leg At sea C. W. Last, 3rd mate Injured leg At sea J. McDonald, freman Ricked back At sea H. Saville, G.S. Ricked back At sea J. Bergin, A.B. Ricked back At sea J. Singer, cook Ricked back Westport G. Singlecon, G.S. Ruptured Thames A. V. Barton, A.B. Injured back Westport A. V. Barton, A.B. Injured eye Westport W. Beven, a.B. Injured eye Westport J. Wyatt, A.B. Injured head Napier J. Wyatt, A.B. Injured foot At sea J. Backburn, fireman Injured driee At sea J. Backburn, fireman Injured dringers	nd, 102280	J. A. Hinch, A.B	Cut and bruised head and hand	Raglan	Some bricks fell out of a basket on to him.
W. Kingham, A.B. Bruised shoulder New Plymouth R. Mattin, passage-worker Bruised arm and hand Surabaya J. H. Oldridge, A.B. Injured leg At sea J. Hunter, greaser Anputated finger At sea C. W. Last, 3rd mate Injured leg At sea J. McDonald, freman Broken collarbone At sea J. McDonald, freman Broken oblarbone At sea J. McDonald, freman Broken back At sea J. McDonald, freman Broken arm At sea J. Sville, G.S. Ricked back At sea J. Stringer, cook Ricked back At sea G. Singer, cook Ruptured Thames J. Singer, cook Ruptured At sea A. V. Barton, A.B. Broken leg At sea A. W. Barton, A.B. Broken leg At sea J. Wyatt, A.B. Killed At sea J. Wyatt, A.B. Killed Ontehmiga J. Backburn, fireman Injured berineum At sea J. Backburn, fireman Injured for	W. Kingham, A.B. Bruised shoulder New Plymouth R. Martin, passage-worker Bruised arm and hand Surabaya J. H. Oldrüge, A.B. Injured leg At sea G. W. Last, Sard mate Injured foot At sea G. W. Last, Sard mate Injured leg At sea J. McDonald, fireman Broken collavbone At sea J. Bargin, A.B. Broken arm At sea J. Bergin, A.B. Broken arm At sea J. Bergin, A.B. Broken arm At sea J. Bergin, A.B. Injured back At sea J. Singer, cook Ruptured back At sea J. Singer, cook Ruptured back At sea J. Singer, cook Ruptured back At sea J. W. Barton, A.B. Injured back At sea J. Wyatt, A.B. Injured hand Whangarei J. Wyatt, A.B. Broken leg Auckland J. Lavrison, A.B. Broken leg At sea J. Lavris, fireman Brined head Nestport J. Lewis, fireman Injured doot	lington, 108090	F. Babbage, A.B.	Injured knee	Lyttelton	Hook slipped and ran into his knee.
R. Martin, passage-worker Bruised arm and hand Surabaya J. H. Oldridge, A.B. Injured lag At sea J. Hunter, greaser Injured hand At sea R. Fitton, fireman Injured hand At sea C. W. Last, 3rd mate Injured foot At sea J. McDonald, fireman Broken collarbone At sea H. Saville, G.S. Ricked back At sea J. Bergin, A.B. Broken arm At sea J. Singer, cook Riptered hand Westport G. Singleton, G.S. Ruptared At sea A. V. Barton, A.B. Broken arm Whangarei J. Wyatt, A.B. Broken leg At sea J. Wyatt, A.B. Killed At sea J. Backburn, fireman Injured head Grayin, deryman J. Rowis, fireman Injured head At sea J. Rowis, fireman Injured head At sea J. Rowis, fireman Injured fingers At sea J. Rowis, fireman Injured fingers At sea J. Rowis, steward Injured finge	R. Martin, passage-worker Bruised arm and hand Surabaya J. H. Oldridge, A.B. Anjured leg At sea J. H. Witch, freman Injured fond At sea R. Fitton, freman Injured fond Auckland J. McDonald, freman Brited Auckland J. McDonald, freman Brited back At sea H. Saville, G.S. Broken collarbone At sea T. Hayes, A.B. Ricked back At sea J. Bergin, A.B. Broken arm At sea J. Bergin, A.B. Broken arm Lyttelton J. Singer, cook Ruptured back At sea G. Singleton, G.S. Injured back At sea A. V. Barton, O.S. Injured eye Westport A. V. Barton, A.B. Broken arm At sea A. V. Barton, A.B. Broken arm At sea A. Wallecks, steward Injured eye Wasa W. Severn, cook Killed Napier G. Cutris, freman Injured foot Greymouth J. Wayat, A.B. Killed Napier J. Lewis, freman Injured kine At sea	land 115907	W Kingham A B		New Plymonth	He climped and fell on the deel-
F. Machan, Jassage-worker Diractory and and mand mand J. Hunter, greaser Amputated finger At sea J. Hunter, greaser Amputated finger At sea C. W. Last, 3rd mate Injured leg At sea J. McDonald, fireman Broken collarbone At sea J. McDonald, fireman Broken collarbone At sea J. Saville, G.S. Ricked back At sea J. Bergin, A.B. Broken arm Lyttelton J. Sariger, cook Broken arm Lyttelton J. Singer, cook Ruptured Transe G. Singleton, G.S. Injured back Westport A. V. Barton, A.B. Broken arm Wheatgare A. V. Barton, A.B. Broken leg At sea A. V. Barton, A.B. Broken leg At sea J. Wyatt, A.B. Broken leg At sea W. Severn, cook Killed At sea W. Severn, steward Injured perineum Greymouth J. Wyatt, A.B. Burnt arm At sea J. Blackburn, fireman Injured perineum	1. H. Oldridge, A.B. Injured leg At sea 1. H. H. Oldridge, A.B. Anputated finger At sea 2. Hunter, greaser Injured leg At sea 3. Hunter, greaser Injured leg At sea C. W. Last, 3rd mate Injured leg Nolson J. McDonald, freman Broken collarbone At sea H. Saville, G.S. Ricked back Lyttelton J. Bergin, A.B. Ricked back Lyttelton J. Singer, cook Riptured At sea J. Singer, cook Ruptured At sea A. V. Barton, A.B. Broken leg At sea A. V. Barton, A.B. Broken leg At sea A. Willcocks, steward Injured hand At sea	mand, 11920;		Druised	Complete Com	TIS SHIPPER CALL TO THE COOK.
H. Oldradge, A.B. Injured lag Wellington	J. Hunder, greaser Injured leg Wellington R. Fitton, fireman Injured hand At sea R. Fitton, fireman Injured hand At sea J. McDonald, fireman Injured leg At sea H. Saville, G.S. Rioked back I. Vittelton H. Baville, d. A.B. Broken arm At sea J. Singer, cook Riptured At sea J. Singer, cook Ruptured At sea J. Singer, cook Ruptured At sea J. Singer, cook Ruptured back J. Singer, cook Ruptured back A. V. Barton, G.S. Injured back A. V. Barton, A.B. Broken leg <td>meum, 127801</td> <td>r rr Oll . Jassage-worker</td> <td>Demised 1</td> <td>Surabaya</td> <td>Whist clearing cables.</td>	meum, 127801	r rr Oll . Jassage-worker	Demised 1	Surabaya	Whist clearing cables.
Hunter, greaser	Hunter, greaser	Ison, 93988	J. H. Oldridge, A.B.	Injured leg	Wellington	A real tell and struck his leg.
R. Fitton, freman Injured hand At sea C. W. Last, 3rd mate Injured foot Auckland J. McDonald, freman Broken collarbone At sea H. Saville, G.S. Ricked back At sea J. Bergin, A.B. Broken arm At sea J. Singer, cook Ruptured Westport G. Singleton, G.S. Injured back At sea 77 O. C. Laurin, O.S. Injured hand Westport R. Hopkins, make Broken arm Westport R. Hopkins, make Broken arm At sea A. V. Barton, A.B. Broken leg At sea J. Wyatt, A.B. Injured head At sea J. Wyatt, A.B. Killed Napier J. Wyatt, A.B. Injured foot At sea J. Lewis, freman Injured foot Grymouth J. Laskburn, freman Injured foot At sea J. Lewis, freman Injured knee Injured knee J. Rowell, steward Injured knee Injured knee J. Rowell, steward Injured knee	R. Fitton, freman Injured hand At sea C. W. Last, 3rd mate Injured foot Auckland J. McDonald, freman Injured foot At sea H. Saville, G.S. Broken collarbone At sea T. Hayes, A.B. Broken arm Lyttelton J. Singer, cook Broken arm Lyttelton J. Singer, cook Ruptured Thases G. Singleton, G.S. Ruptured Thases A. V. Barton, A.B. Injured back Westport A. V. Barton, A.B. Broken arm Whangarei A. V. Barton, A.B. Broken arm At sea A. V. Barton, A.B. Broken arm At sea A. Villocoks, steward Injured head Napier J. Wyatt, A.B. Killed Napier G. Curtis, fireman Injured perineum Grevmouth J. Kowell, steward Injured perineum Grevmouth J. Lewis, fireman Injured kinee At sea J. Rowell, steward Injured kinee Lyttelton J. Rowell, steward Injured kinee	din, 101481	J. Hunter, greaser	Amputated finger	At sea	He got his finger caught in the machinery.
C. W. Last, 3rd mate. Injured foot Nelson J. McDonald, fireman Injured leg Nelson H. Saville, G.S. Broken collarbone At sea T. Hayes, A.B. Broken arm Lyttelton J. Singer, cook Burnt hand Lyttelton J. Singer, cook Ruptured At sea R. Mitchell, donkeyman Burnt hand Lyttelton J. Singer, cook Ruptured At sea R. Mitchell, donkeyman Burnt and Lyttelton J. Singer, cook Ruptured At sea A. V. Barton, A.B. Broken arm Westport A. V. Barton, A.B. Broken arm At sea A. Willcocks, steward Injured arm At sea J. Wysat, A.B. Killed Napier G. Curtis, fireman Injured foot Napier J. Lewis, fireman Injured foot At sea J. Rowell, steward Injured toot At sea J. Rowell, steward Injured tot At sea J. Rowell, steward Injured there Lyttelton	C. W. Last, 3rd mate Injured foot Nelson J. McDonald, fireman Injured leg Nelson H. Saville, G.S. Broken collarbone At sea T. Hayes, A.B. Broken arm Lyttelton J. Bergin, A.B. Broken arm At sea F. Mitchell, donkeyman Burnt hand Lyttelton J. Singer, cook Ruptured Lyttelton J. Singeton, G.S. Injured hand At sea A. V. Barton, A.B. Broken arm At sea A. V. Barton, A.B. Broken arm At sea A. Willcocks, steward Injured hand At sea J. Wyatt, A.B. Killed At sea J. Wyatt, A.B. Killed At sea J. Wyatt, A.B. Killed Onehunga J. Lewis, fireman Injured perineum Onehunga J. Lewis, fireman Injured thigh At sea J. Lewis, fireman Injured thigh At sea J. Lewis, fireman Injured thigh At sea J. Lewis, fireman Injured fingers Lyttelton	edin, 98061	R. Fitton, fireman	Injured hand	At sea	Wrench slipped and broke a bone in his hand.
J. McDonald, fireman Injured leg At sea T. Hayes, A.B. Broken collarbone At sea T. Hayes, A.B. Broken arm At sea J. Bergin, A.B. Broken arm Lyttelton J. Singer, cook Ruptured At sea A. V. Barton, A.B. Ruptured hand Thames A. V. Barton, A.B. Broken leg Westport A. V. Barton, A.B. Broken leg At sea A. V. Barton, A.B. Broken leg At sea A. Willcocks, steward Injured hand At sea J. Wyatt, A.B. Killed At sea W. Severn, cook Killed Napier G. Curtis, fireman Injured foot At sea J. Lewis, fireman Injured foot At sea J. Lewis, fireman Burnt arm At sea J. Lewis, fireman Injured there At sea J. Lewis, fireman Injured three At sea J. Lewis, fireman Injured fingers At sea S. Wadsworth, A.B. Lipitred fingers Lyttelton	J. McDonald, fireman Injured leg At sea H. Saville, G.S. Broken collarbone At sea T. Hayes, A.B. Ricked back Lyttelton J. Bergin, A.B. Broken arm Lyttelton J. Singer, cook Injured back At sea J. Singeton, G.S. Injured hand At sea J. Singeton, G.S. Injured eye At sea J. Warton, A.B. Broken arm Westport R. Hopkins, mate Broken arm Whangarei Broken deg At sea At sea J. Wyatt, A.B. Killed At sea J. Wyatt, A.B. Killed Curtis, fireman J. Lewis, fireman Injured head Mapier G. Curtis, fireman Injured thigh At sea J. Lewis, fireman Injured thigh At sea J. Lewis, fireman Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Rowell, steward Injured fingers Lyttelton B. Fleby, fireman Drowner Auckland <	edin. 117590	C. W. Last. 3rd mate		Anekland	Whilst letting go anchor his leg got caught in bnov-rope.
H. Saville, G.S. Broken collarbone At sea J. Bergin, A.B. Ricked back Lyttelton J. Singer, cook Burnt hand Lyttelton J. Singer, cook Ruptured Westport G. C. Laurin, O.S. Injured back Thames 7.1 G. C. Laurin, O.S. Injured hand Westport A. V. Barton, A.B. Broken arm Westport B. Hopkins, mate Broken leg At sea A. V. Barton, A.B. Broken leg At sea J. Wyatt, A.B. Killed At sea J. Wyatt, A.B. Killed Napier G. Curtis, fireman Injured foot Onehunga J. Lewis, fireman Injured toot At sea J. Lewis, fireman Injured thane At sea J. Lewis, fireman Injured there At sea J. Rowell, steward Injured there At sea J. Lewis, fireman Injured there At sea J. Lewis, fireman Injured there Lyttelton S. Wadsworth, A.B. Injured there Lyttelton	H. Saville, G.S. H. Saville, G.S. Ricked back J. Bergin, A.B. Ricked back J. Singer, cook G. Singleton, G.S. Injured back A. V. Barton, A.B. R. Hopkins, mate Broken leg A. Willcocks, steward J. Wyast, A.B. W. Willcocks, steward J. Waston, cook M. Willcocks, steward J. Waston, cook M. Willcocks, steward J. Waston, cook M. Willcocks, steward J. Waston, cook M. Willcocks, steward J. Waston, cook M. Willcocks, steward J. Waston, cook M. Willcocks, steward J. Waston, cook M. Willcocks, steward J. Waston, cook M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Willcocks, steward M. Wellcocks, steward M. Willcocks, steward M. Waston, steward M. Waston, steward M. Waston, steward M. Waston, steward M. Waston, steward M. Swindley, assistant M. Swindley, assistant M. Whangarei	119350	I McDonald freman		Nelson	Slinned on paraire room ladder
T. Hayes, A.B. Ricked back As sea J. Bergin, A.B. Broken arm Lyttelton J. Singer, cook Burnt hand Lyttelton G. Singleton, G.S. Injured back At sea 77 O. C. Laurin, O.S. Injured back At sea 77 O. C. Laurin, O.S. Injured eye At sea 78 H. Davidson, A.B. Broken arm At sea 79 H. Davidson, A.B. Broken arm At sea 299 H. Davidson, A.B. Broken arm At sea 3. Wyast, A.B. Injured head At sea 4. Willcocks, steward Injured head Napier 6. Curtis, fireman Injured foot Napier 7. Lewis, fireman Injured foot At sea 9. Lewis, fireman Injured thigh At sea 1. Lewis, fireman Injured thinger At sea 2. Rowell, steward Injured thinger At sea 3. Rowell, steward Injured thinger At sea 4. Rowell, steward Injured thinger At sea	T. Hayes, A.B. Broken arm At sea	nometh 194599	H comillo C c		At see	Colleged on origination and all the deal
F. Mitchell, donkeyman Burnt hand At sea F. Mitchell, donkeyman Burnt hand Lyttelton J. Singer, cook Ringleton, G.S. Rythured At sea 71 O. C. Laurin, O.S. Rythured At sea 71 A. V. Barton, A.B. Broken arm Westport 8. Hopkins, mate Broken leg Whangarei A. Willcocks, steward Injured head At sea J. Wyatt, A.B. Killed At sea W. Severn, cook Injured perineum Onehunga G. Curtis, fireman Injured foot At sea J. Lewis, fireman Burnt arm At sea J. Lewis, fireman Injured thoft Wellington J. Lewis, fireman Injured thigh Wellington J. Lewis, fireman Injured fingers At sea S. Wadsworth, A.B. Lyttelton S. Wadsworth, A.B. Lyttelton B. Foley, fireman Injured fingers B. Foley, fireman Injured fingers	1. Hayes, A.B. Rucked back 1. Hayes, A.B. Broken arm 1. Hayes, A.B. 1. Bargin, A.B. Broken arm At sea 1. Singer, cook Injured back At sea 2. Singleton, G.S. Injured hand Thames Thames 3. V. Barton, A.B. Broken arm Whangarei 4. V. Barton, A.B. Broken deg At sea 5. Hopkins, mate Broken dead Thames Whangarei 6. C. Laurin, O.S. Injured head At sea At sea 7. Wyatt, A.B. Killed At sea At sea 8. Vind, steward Injured perineum Greymouth 9. B. Vind, steward Injured thigh At sea 1. Lewis, fireman Injured thigh At sea 1. Lewis, fireman Injured thigh At sea 1. Lewis, fireman Injured thigh At sea 2. Rowell, steward Injured thigh At sea 3. Wadsworth, A.B. Injured fingers At sea 4. Swindley, assistant Bruised finger Auckland 5. Wadsworth, A.B. Bruised finger Mhangarei 6. Swindley, assistant Bruised finger Mhangarei 7. Rowall, Steward Bruised finger Mhangarei 8. Wadsworth, A.B. Bruised finger Mhangarei	1: 04460	H. Daville, G.D.		At sea	Supped and rell on the deck.
F. Mitchell, donkeyman Burnt hand Lyttelton J. Singer, cook Ruptured Westport G. Singleton, G.S. Injured back Thames 771 O. C. Laurin, O.S. Injured hand At sea 771 O. C. Laurin, O.S. Injured hand Postport R. Hopkins, make Broken arm Westport A. V. Barton, A.B. Broken leg At sea J. Wystt, A.B. Injured arm At sea J. Wystt, A.B. Killed Natesa G. Curtis, fireman Injured foot Onehunga J. Lewis, fireman Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Lewis, fireman Injured thigh At sea J. Lewis, fireman Injured thigh At sea J. Rowell, steward Injured thigh Wellington J. Rowell, steward	F. Mitchell, donkeyman Burnt hand Lyttelton J. Singer, cook Injured back At sea G. Singleton, G.S. Injured back At sea 771 O. C. Laurin, O.S. Injured hand Thames 771 O. C. Laurin, O.S. Injured eye Westport A. V. Barton, A.B. Broken arm Westport R. Hopkins, mate Broken arm At sea 299 H. Davidson, A.B. Broken arm J. Wyatt, A.B. Broken arm At sea J. Wyatt, A.B. Killed At sea W. Severn, cook Killed Napier G. Curtis, fireman Injured foot At sea J. Blackburn, fireman Injured foot At sea J. Rowell, steward Injured thigh At sea J. Rowell, steward Injured fingers Lyttelton J. Rowell, steward Injured fingers Lyttelton S. Wadsworth, A.B. Broken finger At sea J. Rowell, steward Injured fingers Lyttelton S. Wadsworth, A.B.	nedin, 84480	T. Hayes, A.B		Lyttelton	Through lifting a case.
F. Mitchell, donkeyman Burnt hand Lyttelton J. Singer, cook Ruptured At sea G. Singleton, G.S. Ruptured At sea 771 O. C. Laurin, O.S. Injured hand Thames A. V. Barton, A.B. Broken arm Westport R. Hopkins, mate Broken arm Westport 299 H. Davidson, A.B. Broken darm At sea J. Wyastt, A.B. Killed At sea Anckland J. Wyastt, A.B. Killed Napier Onehunga G. Curtis, fireman Injured perineum Greymouth J. Lewis, fireman Injured foot At sea J. Lewis, fireman Injured foot At sea J. Rowell, steward Injured fingers Lyttelton S. Wadsworth, A.B. Browned At sea	F. Mitchell, donkeyman Burnt hand Lyttelton J. Singer, cook Ruptured At sea O. C. Laurin, O.S. Injured hand Thames Thames Injured hand Thames Thames R. Hopkins, mate Broken arm Whangarei A. Willocks, steward Injured head At sea Autilocks, steward Injured head At sea Autilocks, steward Injured head Napier Onehunga Severn, cook Killed Napier Onehunga Injured perineum Onehunga Grutis, fireman Injured perineum Onehunga J. Lewis, fireman Injured thigh At sea Injured thigh At sea Injured thigh At sea Injured thigh At sea Lyttelton Bruised fingers Lyttelton Bruised finger Drowell, assistant Bruised finger Whangarei Auckland Bruised finger Whangarei At sea Injured fingers Lyttelton Breward Bruised finger Whangarei Auckland A	pier, 106231	J. Bergin, A.B.		At sea	Whilst coming out of hold, ladder slipped and he fell to the
F. Mitchell, donkeyman Burnt hand Lyttelton J. Singer, cook Injured back Westport G. Singleton, G.S. Ruptured At sea 71 O. C. Laurin, O.S. Injured hand A. V. Barton, A.B. Broken arm Westport 299 H. Davidson, A.B. Broken leg At sea A. Willcocks, steward Injured hand At sea J. Wyatt, A.B. Killed At sea W. Severn, cook Injured head At sea W. Severn, cook Injured perineum Onehunga G. Curtis, fireman Injured foot At sea J. Lawis, fireman Injured toot At sea J. Lewis, fireman Injured toot At sea J. Lewis, fireman Injured toot At sea J. Lewis, fireman Injured tingers At sea J. Rowell, steward Injured fingers Injured fingers S. Wadsworth, A.B. Drowned Auckland B. Foley, fireman Bruised finger Whangarei	F. Mitchell, donkeyman Burnt hand Lyttelton J. Singer, cook Injured back Westport Westport Ruptured Injured hand J. Singer, cook Injured hand J. Waston, A.B. Injured eye Whangarei Whangarei Broken earm Whangarei Milled J. Wyatt, A.B. Injured head J. Wyatt, A.B. Killed J. Wyatt, A.B. Killed J. Waston, fireman Injured perineum Greymouth J. Backburn, fireman Injured thigh J. I. Ewis, fireman Injured thigh J. I. Ewis, fireman Injured knee J. Kowell, steward Injured knee J. Kowell, steward Injured knee At sea J. Kowell, steward Injured knee At sea J. Kowell, steward Injured knee At sea J. Kowell, steward Injured fingers J. Kowell, steward Injured fingers J. Kowell, steward Injured fingers J. Kowell, steward J. Lowis fireman J. Lowis fireman J. Kowell, steward J. Lowis fireman J. Kowell, steward J. Lowis fireman J. Kowell, steward J. Lowis fireman J. Kowell, steward J. Lowis fireman J. Kowell, steward J.		1			bottom.
J. Singer, cook Injured back Westport G. Singleton, G.S. Ruptured At sea 71 O. C. Laurin, O.S. Injured hand Thames 72 D. C. Laurin, O.S. Injured hand Thames 73 D. Barton, A.B. Broken arm Wastport 74 D. Barton, A.B. Broken leg At sea 75 Willcocks, steward Injured arm At sea 7 Wyatt, A.B. Killed Napier 7 W. Severn, cook Injured perineum Onehunga 6. Curtis, freman Injured foot Onehunga 9. Wid, steward Injured foot At sea 1. Lewis, freman Injured thee At sea 2. Kowell, steward Injured thee Lyttelton 3. Rowell, steward Injured thee At sea 6. Wadsworth, A.B. Drowned At sea	J. Singer, cook Injured back At sea 7.1 O. C. Laurin, O.S. Injured hand At sea 7.2 C. Laurin, O.S. Injured hand Thames A. V. Barton, A.B. Broken arm Westport 299 H. Davidson, A.B. Broken leg At sea 299 H. Davidson, A.B. Broken leg At sea A. Willcocks, steward Injured arm At sea J. Wyast, A.B. Killed Napier G. Curtis, fireman Injured perineum Onehunga G. Curtis, fireman Injured foot At sea J. Lewis, fireman Injured thigh At sea J. Lewis, fireman Injured thigers Injured thigh J. Sweell, steward Injured thigh At sea J. Kavell, steward Injured thigh At sea J. Kavell, steward Injured thigh At sea	medin, 101901	F. Mitchell, donkeyman	Burnt hand	Lyttelton	Puse on dynamo blew out.
G. Singleton, G.S. Ruptured At sea 7.1 O. C. Laurin, O.S. Injured hand Thames A. V. Barton, A.B. Broken arm Westport 299 H. Davidson, A.B. Broken leg At sea 290 H. Davidson, A.B. Injured arm At sea J. Wyast, A.B. Injured head At sea V. Severn, cook Killed Napier G. Curtis, fireman Injured foot Onehunga J. Lewis, fireman Injured thigh At sea J. Lewis, fireman Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Rowell, steward Injured foot At sea J. Rowell, steward Injured thigh At sea J. Rowell, steward Injured thinger At sea S. Wadsworth, A.B. Drowned At sea	G. Singleton, G.S. Rupfured At sea 7.1 O. C. Laurin, O.S. Injured hand Thames A. V. Barton, A.B. Broken arm Westport R. Hopkins, mate Broken arm At sea 299 H. Davidson, A.B. Injured arm At sea J. Wyatt, A.B. Killed At sea W. Severn, cook Killed Onehunga G. Curtis, fireman Injured perineum Greymouth J. Blackburn, fireman Injured foot At sea J. Lewis, fireman Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Rowell, steman Injured thigers Lyttelton S. Wadsworth, A.B. Drowell, steman Burntame H. Swindley, assistant Bruised finger Burntame	adin, 117596	J. Singer, cook		Westnort	Whilet descending ladder he climned and fell
O. C. Laurin, O.S. Injured hand A. V. Barton, A.B. Injured eye Westport R. Hopkins, mate Broken arm Whangarei B. Hopkins, mate Broken leg At sea J. Wyatt, A.B. Killed At sea J. Wyatt, A.B. Killed At sea J. Wyatt, A.B. Killed At sea J. Watt, A.B. Killed At sea J. Backburn, fireman Injured perineum At sea J. Lewis, fireman Injured toot J. Lewis, fireman Injured tingen J. Lewis, fireman Injured tingen J. Lewis, fireman Injured tingen J. Rowell, steward Injured tingen J. Rowell, steward Injured tingen J. Rowell, steward Injured finger J. Kowell, steward Injured fingers J. Kowell, steward Injured fingers J. Kowell, steward Injured finger J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J. Kowell J.	O. C. Laurin, O.S. Injured hand Thames A. V. Barton, A.B Injured eye Westport R. Hopkins, mate Broken arm Whangarei B. Hopkins, mate Broken leg At sea J. Wyatt, A.B. Injured head At sea J. Wyatt, A.B. Killed At sea G. Curtis, fireman Injured perineum Greymouth J. Backburn, fireman Injured thigh At sea J. Lewis, fireman Injured thigh At sea J. Lewis, fireman Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Rowell, steman Injured fingers Lyttelton S. Wadsworth, A.B. Bruised finger Auckland H. Swindley, assistant Bruised finger Whangarei Steward Steward Bruised finger Steward S. Watsworth, A.B. Bruised finger Steward S. Watsward Bruised finger Steward S. Watsward Bruised finger Steward S. Watsward Bruised finger Steward S. Watsward Steward Steward Steward S. Watsward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Steward Stewar	month 114629			A + 500	Directional himself while lifting
A. V. Sarton, A.B. Injured eye Nington B. Hopkins, make Broken arm At sea A. Willocoks, steward Injured eye At sea A. Willocoks, steward Injured head At sea J. Wyatt, A.B. Killed G. Curtis, freman Injured perineum Onehunga J. Backburn, fireman Injured foot J. Lewis, freman Injured three J. Lewis, freman Injured three J. Lewis, freman Injured three J. Kowell, steward Injured three J. Kowell steward Injured three J. Kowell steward Injured three J. Kowell steward Injured three J. Kowell steward J. Kowel	A. V. Barton, A.B. Injured eye Whangarei 1999 H. Davidson, A.B. Broken leg At sea A Willocoks, steward Injured arm At sea Auckland Injured head At sea Auckland Wastron, cook Killed Napier Onehunga B. Vind, steward Injured foot B. Vind, steward Injured foot J. Lewis, fireman Injured thee At sea Injured think S. Wadsworth, A.B. Injured fingers Lyttelton S. Wadsworth, A.B. Injured fingers Lyttelton B. Foley, fireman Injured fingers Lyttelton B. Whangarei Browell, steward Injured fingers Lyttelton Browniley, assistant Bruised finger Whangarei Browniley, assistant Bruised finger Whangarei Browniley, assistant Bruised finger Whangarei Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Bruised finger Browniley Browni	A 13 4 190071		T. Con J. Land		Transport Ministrating.
A. V. Barkon, A.B Broken arm Westport 299 H. Davidson, A.B Broken ber At sea 290 H. Davidson, A.B Broken arm At sea 290 H. Davidson, A.B Injured arm At sea J. Wyast, A.B Injured head At sea W. Severn, cook Killed Napier G. Curtis, fireman Injured foot Greymouth J. Lewis, fireman Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Rowell, steward Injured thinges At sea S. Wadsworth, A.B Drowned At sea R. Foley, fireman Injured fingers Lyttelton S. Wadsworth, A.B Drowned Auckland	A. V. Barton, A.B Broken arm Westport 299 H. Davidson, A.B Broken land At sea 290 H. Davidson, A.B. Broken land At sea J. Wyatt, A.B. Killed At sea W. Severn, cook Killed Napier G. Curtis, fireman Injured foot Grehunga J. Blackburn, fireman Burnt arm At sea J. Lewis, fireman Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Rowell, steman Injured thigers Lyttelton S. Wadsworth, A.B. Drowned fingers Lyttelton S. Wadsworth, A.B. Bruised finger Whangarei	Auckland, 1500/1			Thames	Whilst driving oil-engine hoist he got his hand jammed.
H. Hopkins, mate Broken arm Whangarei 1999 H. Davidson, A.B. Broken leg At sea At sea Auvillocoks, steward Injured arm Auvillocoks, steward Injured perineum Napier Onehunga W. Severn, cook Injured perineum Onehunga Onehunga Injured foot Injured foot Onehunga Injured foot Injured foot Injured thigh Injured thigh Injured thigh Injured fingers Injured f	H. Hopkins, mate Broken arm Whangarei R. Hopkins, mate Broken dear At sea At sea A willocoks, steward Injured head At sea Auckland Killed Napier G. Curtis, fireman Injured perineum Onehunga Greymouth J. Backburn, fireman Injured thigh At sea J. Lewis, fireman Injured thigh Wellington J. Rowell, steward Injured knee At sea At sea Lyttelton Bruised finger Lyttelton Drowned fingers Lyttelton Bruised finger Whangarei Whangarei steward Bruised finger Whangarei Constants Auckland S. Wadsworth, A.B. Bruised finger Whangarei Constants Const	din, 127804			Westport	Hurt his eye whilst sending down derrick.
299 H. Davidson, A.B. Broken leg At sea A. Willcocks, steward Injured head Auckland J. Wyatt, A.B. Killed Napier G. Curtis, freman Injured perineum Onehunga J. Lasekburn, freman Burnt arm At sea J. Lewis, freman Injured thigh Wellington J. Lewis, freman Injured thigh At sea B. Foley, freman Injured fingers Lyttelton S. Wadsworth, A.B. Drowned Auckland H. Swindley, assistant Bruised finger Whangarei	299 H. Davidson, A.B. Broken leg At sea A. Willcocks, steward Injured arm At sea J. Wyatt, A.B. Killed G. Curtis, freman Injured perineum Onehunga B. Vind, steward Injured foot Greymouth J. Lewis, freman Injured thigh At sea J. Lewis, freman Injured thingers B. Rowell, steward Injured fingers Injured fingers S. Wadsworth, A.B. Drowned At sea H. Swindley, assistant Bruised finger steward Whangarei	kland, 102329	ž		Whangarei	A sling of cargo slipped and struck him on the arm.
A. Willcocks, steward Injured arm A tockland J. Wyast, A.B. Injured head At sea W. Severn, cook Killed Napier G. Curtis, fireman Injured foot Greymouth J. Lewis, fireman Injured thigh At sea J. Rowell, steward Injured thigh At sea J. Rowell, steward Injured thigh At sea B. Foley, fireman Injured fingers Lyttelfon S. Wadsworth, A.B. Drowned Auckland H. Swindley, assistant Bruised finger Whangarei	A. Willcocks, steward Injured arm Auckland At sea Injured head Naper Naper Injured head Naper Injured perineum Onehunga Greymouth J. Blackburn, fireman Injured foot Injured foot Injured foot Injured foot At sea Injured foot At sea Injured foot Injured foot At sea Injured foot Injured foot At sea Injured fingers Injured fingers Injured fingers Injured fingers Injured fingers Injured fingers At sea Injured fingers Injured fingers At sea Injured fingers Injured fingers At sea Injured fingers Injured fingers At sea Injured fingers Injured fingers At sea Injured fingers Injured fingers At sea Injured fingers Injured finger Injured I	Launceston, 7929t	H		At sea	Got foul of main-sheet.
J. Wyatt, A.B. Injured head At sea W. Severn, cook Killed Napier G. Curtis, fireman Injured perineum Onehunga B. Vind, steward Injured foot Greymouth J. Lewis, fireman Burnt arm At sea J. Lewis, fireman Injured thigh Wellington J. Rowell, steward Injured fingers At sea S. Wadsworth, A.B. Drowned Auckland H. Swindley, assistant Bruised finger Whangarei	J. Wyatt, A.B. Injured head At sea W. Severn, cook Killed Orbitisheman Injured perineum Onehunga Grown, steward Injured foot At sea J. Backburn, fireman Injured thigh At sea J. Lewis, fireman Injured thigh Wellington J. Rowell, steward Injured thigh At sea E. Foley, freman Injured fingers I. Lyttelton Bruised finger At Swindley, assistant Bruised finger Whangarei	skland, 94250	Ą	_	Anekland	Rell from canoway.
W. Severa, cook Killed Reservation Napier Napier G. Curtis, freman Injured perineum Onehunga J. Blackburn, freman Burnt arm At sea J. Lewis, freman Injured thigh Wellington J. Rowell, steward Injured fingers At sea B. Foley, freman Injured fingers Lyttelton S. Wadsworth, A.B. Drowned Auckland H. Swindley, assistant Bruised finger Whangarei	W. Severn, cook Killed Being Ranger R	En 119112	I Wrott A B		A+ con	Climad and fall on the deet
W. Savetan, Subsequent Injured foot Inj	W. Curtis, freman Injured perineum Greymouth At sea J. Blackburn, fireman Injured foot J. Lewis, fireman Injured thigh J. Lewis, fireman Injured thigh E. Foley, fireman Injured fingers S. Wadsworth, A.B Drowned Whangarei Whangarei Interest Whangarei Whangarei	110050		3	TAC DCG	TIPPOUR MILL FOR OH WITH WOLK.
B. Foley, freman Injured forces. J. Rowell, steward Injured knee Injured knee Injured fingers. S. Wadsworth, A.B. Drowned Injured fingers. J. Rowell, steward Injured fingers. J. Rowell, steward Injured fingers. J. Rowell, steward Injured fingers. J. Rowell Steward Injured fingers. J. Rowell Steward Injured fingers. J. Rowell Steward Injured fingers. J. Rowell Steward Injured fingers. J. Rowell Steward Injured fingers. J. Rowell Steward Injured fingers. J. Wadsworth, A.B. Drowned Injured finger Injur	Grutus, internan Injured perneum Greymouth Greymouth Injured foot Greymouth Greymouth Injured thigh Greymouth Injured thigh Greymouth Injured thigh Injured knee At sea At Sea At Sea Greymouth Gright Greymouth Greymou	eennii,		-	Napier	He fell down stokehold and fractured his skull.
B. Vind., steward Injured foot At sea At sea	B. Vind, steward Injured foot Greymouth J. Blackburn, freman Burnt arm At sea J. Lewis, freman Injured finger Wellington B. Foley, freman Injured fingers Lyttelton S. Wadsworth, A.B. Drowned Auckland steward Bruised finger Whangarei	ceston, 79252			Onehunga	Whilst working in engine-room he received a severe blow.
J. Blackburn, fireman Burnt arm At sea J. Lewis, fireman Injured thigh Wellington J. Rowell, steward Injured finee Injured finee B. Foley, fireman Injured fingers Lyttelton S. Wadsworth, A.B. Drowned Auckland H. Swindley, assistant Bruised finger Whangarei	J. Blackburn, fireman Burnt arm At sea J. Lewis, fireman Injured thigh Wellington J. Rowell, steward Injured knee At sea E. Foley, fireman Injured fingers Lyttelton S. Wadsworth, A.B. Drowned Auckland H. Swindley, assistant Bruised finger Whangarei	medin, 101482			Greymouth	Some hatches fell on his foot.
J. Lewis, fireman Injured thigh	J. Lewis, fireman Injured thigh Wellington J. Rowell, steward Injured knee At sea S. Foley, fireman Injured fingers Lyttelton S. Wadsworth, A.B. Drowned Auckland H. Swindley, assistant steward Bruised finger Whangarei	in, 117583	J. Blackburn, fireman	Burnt arm	At sea	Whilst firing, back draught burnt his arm.
B. Foley, fireman Injured fingers At sea	J. Rowell, steward Injured knee At sea E. Foley, fireman Injured fingers Lyttelton S. Wadsworth, A.B Drowned Auckland steward	seston, 79252	J. Lewis, fireman		Wellington	He fell down the bilges.
S. Wadsworth, A.B. Drowned Drowned	S. Wadsworth, A.B. Drowned	medin, 89594	J. Rowell, steward		At sea	Twisted his knee.
S. Wadsworth, A.B. Drowned Auckland H. Swindley, assistant Bruised finger Whangarei	S. Wadsworth, A.B. Drowned Auckland H. Swindley, assistant Bruised finger Whangarei steward	Ain 89380	E. Foley freman		Lyttelton	Cot his fluorers caucht in winch of ash-hoist
H. Swindley, assistant Bruised finger Whangarei	H. Swindley, assistant Bruised finger Whangarei steward	115186	S Wadsworth A B	Drowned	Angland	Knocked overhoard by a boom
others, assessed Diagon in the control of the contr	stoward	land 199093	Swindley		Whomers wei	Got his financiammed in colors door
	The second of th	676771 'm	towns mil		Wildingaloi	Out and imper January in Salbon about

RETURN OF ACCIDENTS TO SEAMEN AND OTHERS ON BOARD SHIP REPORTED TO THE MARINE DEPARTMENT, ETC. - continued.

ct of Jury where	od him.	nion. sing rescued.	iver.	
Particulars as to Accident and its Cause, and Verdict of Jury where Coroner's Inquest held.	Fell down the fore-bridge-deck ladder. Fell down the companion-way. Fell down hold. Got his foot jammed between ship and boat. Slipped on ship's rail. Whilst shifting forge in stokehold. Got finger caught in cogs of winch. Knocked his shin against an iron step. Slipped and fell on the deck. Got his foot entangled and fell. A trunk fell on his foot. While on duty at gangway another seaman kicked him.	Fell and hurt his side. Sling of eargo crushed his finger against a stanchion. Whilst working on deck. Sipped and fell on the deck. Spilt boiling fat on his arm. Strained himself whilst lifting. Strained himself whilst lifting. Strained himself whilst lifting. Strained himself whilst lifting. Got fiell off gangway into water and collapsed after being rescued. Whilst feeling eccentric straps. Got his nose jammed in the lift. Knocked his shin. Bumped his head on electric-light indicator. Bone ran into his finger whilst cleaning fish. A brick fell on his toe whilst discharging.	Cut his thumb whilst killing a sheep. Escape of steam scalded his leg. A sack of potatoes fell on his foot. Struck by fire-boom. Struck by fire-boom. Fell down manthole. Arm got caught in winch. Got right arm cut and burned. Whilst lifting bags of coal he twisted his elbow. Fell on the deck. Whilst working donkey-engine. Whilst working below. Whilst working below. Whilst soing ashore the launch capsized. Whilst working at engine. Whilst working at engine.	ladder. to bunker-door. his leg. on his foot.
Particulars as to Ac	Fell down the fore-bridge-deck ladd Fell down the companion-way. Fell down hold. Got his foot jammed between ship Slipped on ship's rail. Whilst shifting forge in stokehold. Got finger caught in cogs of winch Knocked his shin against an iron s Slipped and fell on the deck. Got his foot entangled and fell. Knocked his hand and dirt got int A trunk fell on his foot. While on duty at gangway anothe	Fell and hurt his side. Sling of cargo crushed his finger Whilst working on deck. Sipped and fell on the deck. Spilt boiling fat on his arm. Strained himself whilst lifting. Slipped on the deck. Fell off gangway into water and of Whilst feeling eccentric straps. Got his nose jammed in the lift. Knocked his shin. Knocked his shin. Bumped his head on electric-lig Bone ran into his finger whilst dis	Cut his thumb whilst killing a sheep. Escape of steam scalded his leg. A sack of potatoes fell on his foot. A case of benzine fell on his foot. Struck by fire-boom. Fell down manhole. Arn got caught in winch. Got washed under the anchor. Got right arm cut and burned. Whilst lifting bags of coal he twisted Assaulted by another fireman. Fell on the deck. Whilst working donkey-engine. Whilst working below. Whilst working sakore the launch capsi. Whilst going ashore the launch capsi. Whilst working at engine.	Fell from forecastle ladder. Slipped off coal on to bunker-door. Bale of flax fell on his leg. Piece of timber fell on his foot. He slipped on deck. Whilst passing timber out of hold.
occurred.	:::::::::::::			
Accident	008	:::::::::::::::::::::::::::::::::::::::	:::::::::::::::::::::::::::::::::::::	
Place where Accident occurred.	At sea At sea Wellington At sea Wanganui At sea At sea Auckland At sea San Francisco Auckland Wellington Wellington	At sea Auckland Lyttelton At sea At sea At sea At sea Bluff At sea At sea At sea At sea At sea At sea At sea At sea	Lautoka, Fiji Greymouth Wellington Wellington At sea Dunedin Thames At sea At sea Wellington Wellington At sea Wellington At sea Greymouth Waipiro Bay Lyttelton At sea	At sea Wellington Foxton Auckland Westport Picton
srwise.	::::::::::::	:::::::::::::::::::::::::::::::::::::::		::::::
al or oth	:::::::::::::	: : : : : : : : : : : : : : : : : : :		::::::
Nature of Injury: Fatal or otherwise.		Injured side Crushed finger Injured knee Injured arm and shoulder Scalded arm Rupture Sprained ankle Fatal Crushed fingers Injured nose Poisoned leg Injured head Poisoned finger Injured toe Poisoned finger Injured toe	Poisoned thumb Scalded leg Injured foot Broisen foot Broken rib Broken arm Fractured leg Injured arm Injured alow Broken collarbone Fractured kneecap Crushed finger Double rupture Drowned Crushed finger Lactured finger Double rupture Crushed finger Diowared Crushed finger	Injured knee Injured spine Bruised leg Bruised foot Sprained ankle Fractured clayide
Name of Person injured.	J. Saffery, A.B. J. Dixon, steward P. Doolan, A.B. W. Donnelly, A.B. J. Parry, 1st mate J. Bownan, greaser B. Eaddy, A.B. H. Sinclair, pantryman C. Andrews, A.B. C. Olsen, A.B. H. Warner, steward M. Warner, steward M. McDougall, A.B.	E. Mayall, cook M. Nicholson, A.B. A. Baker, steward R. Hayes, baker J. H. Thomas, 2nd mate William Ruth, mate Offiliam Ruth, mate A. Ramshaw, greaser A. Naylor, boy A. McGregor, trimmer A. Robinson, pantryman R. Oldfield, cook J. Johnson, A.B.	— — — — — — — — — — — — — — — — — — —	W Donohue, fireman W. Nelson, trimmer A. Aldo, A.B T. Hill, 2nd mate N. Usher, O.S. I. Sinclair, A.B
Name of Vessel, Port of Registry, and Official Number.	Ripple, Napier, 120627 Moeraki, Dunedin, 101488 Morayshire, Glasgow, 108778 Wakatu, Wellington, 64818 Awahou, Wellington, 69016 Kintia, Auckland, 122929 Ngatiawa, Auckland, 122916 Manuka, Dunedin, 117582 Bravo, Auckland, 102911 Maori, Dunedin, 117588 Rotoiti, Dunedin, 101481 Morayshire, Glasgow, 108778	The Portland, Auckland, 130082 Mokoia, Dunedin, 101483 Maori, Dunedin, 117598 Warrimoo, Dunedin, 101901 Warrimoo, Dunedin, 101901 Strathroy, Glasgow, 122440 Kereru, Auckland, 122913 Faparoa, Plymouth, 111346 Waipori, Dunedin, 101485 Clansman, Auckland, 16289 Mavua, Dunedin, 11788 Haupiri, Dunedin, 18994 Kawau, Auckland, 102318 Huia, Auckland, 122915	Kurow, Dunedin, 127804 Taviuni, Dunedin, 84500 Ulimaroa, Malbourne, 120744. Ruru, Napier, 121586 Houto, Auckland, 125166 Mokoia, Dunedin, 101483 Kopu Tahiti, Dunedin, 117715 Maheno, Dunedin, 117799 Mararoa, Dunedin, 117790 Star of Scotland, Belfast, 120702 Turakina, Dunedin, 144620 Tarawera, Dunedin, 144620 Tarawera, Dunedin, 144620 Whakatane, Plymouth, 111348 Opouri, Lyttelton, 76083 Haupiri, Funedin, 89094 Kini, Dunedin, 101483 Mokoia, Dunedin, 101483	Ngapuhi, Auckland, 102329 Maori, Dumedin, 117598 Gertie, Wellington, 97443 Kanieri, Auckland, 84490 Navus, Dumedin, 117583 Wakatu, Wellington, 64818
Date of Accident.	July 4 "" 77 "" 8 "" 8 "" 9 "" 10 "" 115 "" 15 "" 15 "" 16		Aug. 1 30 6 6 7 7 7 8 8 8 9 1 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	12 18 19 19 19 12 12 23

65	H.—15.
Sling of timber fell on him. A derrick fell on him. He fell against a davit. He fell an deck with a bottle in his hand. Slipped on plates in engine-room. He jammed his thumb between two hatches. Sling of timber pinned him against deckhouse Fell off ladder into hold. Strained himself in engine-room. Knocked his knee on step of engine-room. Knocked his knee on step of engine-room. Whilst working at boilers. Whilst working at holiers, Whilst working at machinery some boiling water splashed on his foot. Struck on wrist with hatch. Fire blew out and burnt his arm. Was washed down companion by a sea. Whilst repairing oil-engine. Sitped and fell. Fell in the stockehold. A bunker-hatch fell on his foot. Whilst working at boilers. Whilst working at boilers. Whilst working at boilers. Whilst scraping from ship to wharf. Whilst scraping from ship to wharf. Whilst scraping groun ship to wharf. Whilst scraping pump. Whilst sing caustic soda he spilled some on himself. Whilst working earge in hold. Whilst working earge in hold. Struck by sling whilst working carge.	Crushed in door. Slipped and fell on deck. Caught his foot in guy-rope of winch. Strained whilst firing. Whilst lifting heavy weight. Knocked down by heavy sea. Lifting a gangway. Lifting a gangway. Lifting a gangway. Lifting a gangway. Slipped on a grating and fell. Fell down hold. Knocked his hand in stokehold. Slipped on stokehold-plates. Slipped and fell. Slipped and fell. Ran cargo-hook into his leg. Slipped off top of boiler. Fall overboard. Whilst knocking out pins of railway-trucks. Cut his hand whilst handling railway iron. Got foot jammed between boat and ship. Slipped and fell. Cut his finger whilst cutting meat. Fell from stokehold-ladder.
	:::::::::::::::::::::::::::::::::::::
Wellington Dunedin Auskland At sea Wellington Thames Greymouth Wellington At sea Whangarei Dunedin Lyttelton At sea Lyttelton At sea Lyttelton Lyttelton At sea At sea At sea At sea Lyttelton	At sea At sea Blenheim At sea At sea Gisborne At sea At sea At sea At sea At sea At sea At sea Greymouth Auckland Wellington Auckland Wellington At sea Greymouth At sea Greymouth At sea Greymouth At sea Greymouth At sea Greymouth At sea Greymouth At sea Greymouth At sea At sea
Injured back Killed Sprained arm Cut hand Injured knee Poisoned thumb Broken arm Injured leg and internally Broken jaw Internal strain Inflammation of knee Soalded foot Bractured skull Scalded foot Injured wrist Burnt arm Injured leg and buttock Cut finger Injured leg ence Sprained shoulder Injured knee Sprained shoulder Injured thumb Bruised leg Broken ribs Injured thumb Bruised leg Grushed hand Bruised hand Bruised hand Bruised hand Bruised hand Bruised hand Bruised shoulder Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Injured strue Bruised seg	Crushed hand Crushed shoulder Crushed ankle Crushed testicles Strained Broken thigh Ruptured Injured back and legs Broken finger Strained back Strained back Injured leg Injured leg Injured leg Injured leg Injured leg Injured leg Crushed hand Blood poisoning Injured foot Sorained ankle Cut finger Bruised Cut finger Bruised Sprained ankle
A. Colin, A.B. R. Jasper, A.B. J. M. Michaol, fireman. Smith, steward T. Gray, engineer J. McAskill, A.B. A. Carpenter, A.B. W. Baldry, O.S. W. Clancey, boy B. Burns, freman J. Emtage, engineer H. Brandstead, freman B. Dillon, trimmer J. Paine, freman P. H. Murray, engineer R. Fitton, freman R. Fitton, freman R. Fitton, freman R. Fitton, freman R. Fitton, freman R. Fitton, freman R. Forey, engineer M. Wormiston, A.B. R. Fitton, freman R. Forey, steward H. Brown, trimmer T. Wentworth, freman R. Page, freman R. Page, freman R. Page, freman R. Page, freman R. Page, freman R. Page, freman R. Page, freman R. Page, freman W. Whelslan, greaser D. Wolhart, A.B. C. Proctor, A.B. F. L. Davis, steward A. Williamson, steward A. Williamson, steward A. Williamson, steward A. Williamson, steward A. Williamson, steward S. Procatol, A.B. B. J. Piccard, A.B. B. J. Piccard, A.B. B. B. Goodall, A.B. E. B. Goodall, A.B.	F. A. Richmond, cook R. Fisher, A.B. W. Hent, 3rd mate R. Fisher, A.B. J. Stuart, A.B. E. Rosnall, A.B. Crocker, stewardess W. Ballantine, A.B. G. Tucker, trimmer W. Green, fireman J. Bargery, grasser E. Shaw, 1st mate W. Douglas, A.B. H. Irwin, fireman J. Walker, A.B. G. Moore, A.B. G. Moore, A.B. W. Mortiso, A.B. W. Spargo, engineer W. Spargo, engineer R. Railly, cook R. Railly, cook S. Docherty, fireman J. H. Collins, A.B.
25.30.4 L 0.11111183325	Niwaru, London Haupiri, Dunedin, 89094 Echo, Auckland, 118978 Alexander, Nelson, 93988 Alexander, Nelson, 93988 Alexander, Nelson, 93988 Alexander, Nelson, 101481 Maria, Dunedin, 101483 Aupour, Auckland, 122909 Angori, Dunedin, 117598 Maori, Dunedin, 117598 Maori, Dunedin, 117598 Monowai, Dunedin, 14971 John, London, 110059 John, London, 110059 Kiripaka, Wellington, 102275 Korora, Auckland, 118971 Korora, Auckland, 12911 Korora, Auckland, 12911 Ripple, Napier, 120687 Haupiri, Dunedin, 89094 Aughiri, Dunedin, 89094 Aughiri, Dunedin, 117591 Kornata, Dunedin, 117591 Aughiri, Dune in, 89094 Aughiri, Dune in, 89094 Aughiri, Dune in, 117591 Kornata, Dunedin, 117591 Kornata, Dunedin, 117591 Kornata, Dunedin, 117593 Aughiri, Dune in, 89094 Aughiri, Dune in,
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RETURN OF ACCIDENTS TO SEAMEN AND OTHERS ON BOARD SHIP REPORTED TO THE MARINE DEPARTMENT, ETC.—continued.

nse, and Verdict of Jury wher sst held.							9	io.	1000	uck min.					water.							lerrick.								nd ship.					10000	iu-iauuer. 			30-gear.	e struck nis arm.	a struck and.		:: :: :: : : : : : : : : : : : : : : :	"Lyttelton."				1. L. n. han oo
Particulars as to Accident and its Canse, and Verdict of Jury where Coroner's Inquest held.		Whilst pricking fires.	Whilst loading onl	_	Struck his knee against bulwarks.	Whilst firing	Knooled against a nut in the hunber	Knocket against a rat in one burk Ren a feb-book in his band	Awan a mournious in mis name. Come and character bins	Some gear ten from a simig and sor	wnist lifting spare natenes.	Cut his thumb on broken cup.	Gangway plank rell on his root.	1	Supped and upset a pucket of not water.	Hell over a bale of wool.	Lost overboard.	Slipped on a grating on deck.	Slipped in engine-room.	Slipped on plates in stokehold.	Fell down saloon stairway.	Was struck on the head by cargo derrick	Whilst working cargo.	Whilst stowing logs.	Slipped and fell between two logs.	Splinter of iron got into his hand.	Slipped on gangway.	Got finger caught in machinery.	Slipped on foot-plate in stokehold.	Got fingers caught between boat and ship.	Was hit on the head by a pile.	Tripped over a mat on deck.	Got inger caught in cogs of winch.	A sling of cargo struck his leg.	Spilt some bolling water.	Suppose whits going town stokenour-rather.	DIOCK Of HOTE-SHEET SOLUCK HIS CLUDY	Flame blew out ifour lurhace.	Got inger caught in nyuraunc cargo-gear.	Whiist lowering centreboard, handle struck his arm	A bag of cement fell from sing and struck num.	Whilst hring, slice struck his knee.		œ	He slipped and fell in bunker.	Slipped on stokehold-ladder.	Supped on deck.	T
rred.			<u> </u>			:	:	:	:	:	:	:	:		:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	-
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P.ace where Accident occurred.		Lyttelton	Napier	At sea	Thames	At sea	Δ+ ασα	Nelson	Aughland	A uckiamu	At sea	Auckland	Auckland	A.t	At sea	Wellington	At sea	Lyttelton	At sea	Lyttelton	At sea	Wellington	Motueka	Whananaki	Auckland	Auckland	Auckland	Kaikoura	At sea	Akitio	Port Ahuriri	Lyttelton	The Brothers	Auckland	Auckland	At sea	At 868	Auckland L=44el4==	Lytteiton	Ngunguru	Auckland	Wellington	Whangarei	Auckland	Auckland	Auckland	At sea	T +1
	-					-	:	:	:	:	:	:	:		:	:	:	:	:	:	:	:	:	:	:	:		:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	
Nature of Injury: Fatal or otherwise.		: : :	cles	٤	: :	:	Joseph	and Dack	:	:	:	:: qui	:		:	:: eF	:	:	:· e	oles	:	:	:: sı:	:	:	.: :	:	.: .:	:	ers	:	: d'	31	:		and back	· · · · · · · · · · · · · · · · · · ·	ng arms	:. ::	:	:	cap ···	: -	and arm	:	:		
Nature of Inj		Sprained back	Strained muscles	Injured thumb	Injured knee	Strained hack	Busined know and back	Injured hand	Injured Heart	injured back	Kuptured	Folsoned thumb	Crushed foot	2 - 1 - 2	Scalded foot	Sprained ankle	Drowned	Sprained foot	Lacerated toe .	Injured testicles	Broken rib	Injured head	Crushed fingers	Crushed arm	Bruised	Poisoned hand	Injured arm	Crushed finger	Broken rib	Crushed fingers	Injured spine	Twisted instep	Crushed inger	Brussed leg	Scalded nand	Injured ribs and back	Dillined eroow	Surfit face and arms	Crusned unger	Injured arm	Injured nead	Injured kneecap	Sprained ankle	Injured back and arm	Injured shin	Strained back	Sprained ankle	
Name of Person injured.		R. Kosketa, trimmer	E. Mills, A.B.	J. McGregor, freman	T. Dawson deck hov	W Sales freman	• ' '	I O'Donnell Gromen	T Dillion trimmen	Tr. Enison, winding.	D. McDonald, boy	I. C. Gill, pantryman	r. Smitta, boy		C. E. Wellum, steward	J. F. Bradnock, cook	K. McKellar, fireman	C. Cecil, steward	A. Shields, trimmer	J. McGarrity, fireman	T. Clifford, cook	J. McIntosh, A.B.	J. Miller, A.B.	W. Bourke, A.B.	T. Blakely, A.B.	J. Laurenson, A.B.	A. Grescott, fireman	S. Johnston, fireman	R. Martin, fireman	S. Giles, A.B	C. R. Hyde, engineer	G. Mart, greaser	T. Wnaitiri, A.B.	D. Dagnall, A.B.	D Ichling trimmer	M McConbindels A D	W. McCollamale, A.D.	W. McCabe, nreman	M. D. Gibson, A.B.	I. Donovien, A.B.	A Clim 6	A. Ongo, uraman	S. G. McMahon, A.B.	_		M. Tonsson, fireman	1. Laft, 2nd mate	N. Machan
Name of Ves.el, Port of Registry, and Official Number.		Maori Dunedin 117598	Kiritona Napier 121592	Mokoia, Dunedin, 101483	Taniwha Auckland 102302	Warrimoo Dunedin 101901	Marama Dunedin 117507	Wennier Melson 60019	Makeric Description 101409	Mokola, Dunedin, 101465	Walhora, Dunedin, 123842	Clansman, Auckland, 8/52()	Clansman, Auckland, 8/520	D:1- N: 190.692	Kupple, Mapier, 120027	Warrau, Lyttelton, 76076	Mararoa, Dunedin, 89380	Arahura, Dunedin, 117587	Rakiura, Dunedin, 78369	Poherua, Dunedin, 98061	Tangaroa, Napier, 106231	John, London, 110059	Manaroa, Willington, 108071	Ngaru, Auckland, 102300	Rangi, Auckland, 118976	Chelmsford, Auckland, 89398	Koromiko, Dunedin, 117599	Wakatu, Wellington, 64818	Katoa, Dunedin, 127811	Kipple, Napier, 120627	Magic	Mararoa, Dunedin, 89380	Hinemoa, Wellington, 69016	Waimarie, Auckland, 102282	Wairoa, Auckland, 1022/1	Walburt, Duneum, 101465	Outer Aughler 100910	Melesia Designation 102310	Mokola, Dunedin, 101483	Maland Mile Fallte, Auckland	Manufangi, Auckland, 12,019	Mokola, Dunedin, 101483	Chelmstord, Auckland, 89398	Lyttelton, Auckland, 54(08	Marana, Dunedin, 117597	Marama, Dunedin, 117597	Storm, Lyttelton, 118090	T
Date of Accident.	1919	. 4		75	× ×	61				,,			^	1913.	Jan. Z		, m	4	9	7	,, 10	., 13	,, 14	" 15	., 20	. 50	. 22	77.	 47.0			_	Ş, t	rep. /	,	96	0 0	May 20	ວນ	, ,	TT 66		,,	77		,, 14	,, 18	06

RETURN SHOWING AMOUNTS PAID TO SICK AND DISABLED SEAMEN UNDER SECTION 6 OF THE SHIPPING AND SEAMEN AMENDMENT ACT, 1911, FOR THE YEAR ENDED 31ST MARCH, 1913.

Name of Seama	1.	Name of	Vessel.	Nature of Injury or Illness.		Amount pai for Wages, Maintenance,
						£ s.
dams, H		Mararoa		Injured elbow		19 6
dams, H		Mapourika		Burst vein in leg		19 13
lams, J.		Pateena	• • • • • •	Rheumatism	•• [12 8
lamson, F. F	• •	Southern		Quinsy	• •	19 19
do, A.		Gertie	• • • • • • • • • • • • • • • • • • • •	Bruised leg	• • •	14 18
abrose, G		Pateena		Rheumatism	- • •	8 4
derson, A		Blenheim	• • • • • • • • • • • • • • • • • • • •	Strained back	•••	12 15
derson, F	• •	Wakanui.	• • • • • • • • • • • • • • • • • • • •	Bronchial asthma		10 10
derson, J	• •	Opawa	••	Pneumonia		4 4
derson, V	• •	Taniwha	••	Pain in head	• •	6 8 18 15
drews, C	• •	Manuka	• • • • • •	Fractured elbow		7 13
scombe, J.	• •	Monowai	• • • • • •	Strained back	[6 14
nstrong, W	• •	Mararoa	• • • • • • • • • • • • • • • • • • • •	Appendicitis Injured knee	••	6 14
bbage, F	• •	Arapawa	• • • • • • • • • • • • • • • • • • • •		•••	35 13
ekler, A	. ••	Marere Warrimoo	•••	Internal pains Injured arm and shoulder	••	8 5
ker, A ker, F	• •	Pateena	••	Broken finger	::	11 13
	• •		••	Internal injury and injured leg	ſ	8 11
ldry, W llantine, W	• •	Himitangi Kaiapoi	••	Various injuries	1	19 0
	• •	Monowai	••	Injured ribs	•••	16 9
rjery, G	• •	Kurow	• • • • • • • • • • • • • • • • • • • •	Injured ribs		10 18
	• •	Wakatu		Influenza		9 13
kter, J		Navua		Appendicitis	::	17 16
nson, H. C		Komata		Injured foot		40 13
gin, J.	• •	Tangaroa	••	Broken arm		55 11
riman, W	••	Kotare		Sprained wrist		11 0
keland, H	•••	Kuru	••	Bruised foot		19 16
ornsen, H. J		Southern		Ruptured		9 11
ekburn, J.		Navua		Burnt arm		13 3
kely, T		Rangi		Brusied		8 0
omfield, E		Rarawa		Ricked shoulder		18 15
ıhm, T.		Hauroto		Poisoned hand		27 14
nd, J		Kahu		Diarrhœa	• • •	4 2
urke, W		Ngaru		Crushed arm		15 13
wman, J	• •	Hinemoa	• • • • • • • • • • • • • • • • • • • •	Crushed finger	• •	17 18
wnes, R	• •	Rosamond	••	Swollen throat	• • •	$\begin{array}{ccc} 6 & 2 \\ 9 & 1 \end{array}$
yes, T. R	• •	Maitai	• • • • • • • • • • • • • • • • • • • •	Injured back Quinsy	• •	12 15
aithwaite, J	• •	Maori Taviuni	•••	Quinsy Scalded	• • •	11 13
andstead, H	• •	Clansman		Swollen glands		16 11
ewer, A. V		Monowai .		Swollen neck		12 6
iggs, G		Monowai		Appendicitis		15 19
ooks,T		Gertie		Rheumatism		12 7
own, I		Ngatiawa		Influenza		16 11
own, J.		Victoria		Rheumatism		16 18
own, M		Maori	••	Sprained shoulder	•• [9 4
rns, B.		Waverley		Internal strain		15 3
rt, W	• •	Kurow	• • •	Poisoned thumb	•••	20 19
tler, M.	• •	Maitai	• • • • • • •	Bronchitis	• • •	27 0
santson, A. L	• •	Taniwha	• • •	Swollen leg	• • •	22 18 28 13
nill, G.	• •	Nikau	• • • • • • • • • • • • • • • • • • • •	Injured foot	• • •	13 16
ill, P.	• •	Maori	•••	Varicose vein Rheumatism	• •	8 4
pe, W	• •	Rosamond Jessie Craig	••	Rheumatism Broken arm		12 13
rpenter, A sev. T	• •	Warrimoo		Appendicitis		31 7
sey, T wte, P	• •	Turakina		Pneumonia		7 18
יו מ	••	Arahura		Sprained foot	::	7 10
ncey, R.		Maori		Boils		10 15
ncey, W	• • •	Tahiti		Broken jaw		7 11
rk, W.	• • •	Kaitangata		Whitlow on toe		14 6
ments, H		Wairoa		Influenza		9 7
fford, T		Tangaroa		Broken rib		21 7
ats, H.		Monowai.		Sciatica		14 17
hrane, J		Maunganui	• • • • • • • • • • • • • • • • • • • •	Poisoned hand	• •	42 13
lins, J. H		Komata	•••	Sprained ankle	• • •	14 9 8 4
lopy, M		Aorere	• • • • • • • • • • • • • • • • • • • •	Pleurisy		8 4 7 11
per, D	• •	Rimutaka	• • • • •	Rheumatism Cramps	• •	7 11
nelly, J	• •	Navua Pateena	••		•••	31 10
way, D	• •	Maori	••	Appendicitis	••	9 18
x, A ocker, T	• •	Aupouri		Injured shoulder		15 3
osby, H.	• •	Mokoia	••	Bronchitis		17 2
sby, W	· •	Mararoa		Influenza		24 16
ımr, R.	• •	Wairoa		Scalded hand		10 19
rtis, G.		Corinna		Injured perineum		6 14
gnall, J.		Waimarie		Bruised leg		10 0
lberg, A.		Lyttelton		Injured back		6 5
vidson, H		Lizzie Taylor		Broken leg		39 19
vis, F. L.		Mokoia		Bruised leg	• •	9 1
avis, P	• • •	Monowai		Eczema		14 1

RETURN SHOWING AMOUNTS PAID TO SICK AND DISABLED SEAMEN—continued.

Name of Se	am an ,		Name of Ves	ssel.		Nature of Injury or	Ill nes s.	·	for	unt paid Wages, nance, d
				<u> </u>						£ s.
11		• •	terrorial a			Injured knee	• •	••		5 14
		٠٠		٠٠.	• •	Sprained wrists	• •	• •		12 12
		٠. ا				Injured finger				18 16
						Injured knee				16 0
		٠٠		• •	• •	Pleurisy				17 14
			Tarawera	• •		Crushed finger				21 13
		٠٠	Star of Scotland			Rheumatic fever				14 5
herty, S.	• •	٠٠ [Bruised		• •		14 2
		• •				Bronchial catarrh	• • •			10 1
onnelly, W.			Wakatu			Crushed foot				8 12
		٠.				Injured knee				§7 19
onovich, T.						Broken bone in arm				10 19
olan, P.		1	Morayshire			Pneumonia				36 12
ouglas, W.			Albatross			Cut on leg				15 9
wney, E.			Taviuni			Scalded leg		·		10 10
· 11 +			3.5			Muscular rheumatism				15 19
т.			37.1			Scalded foot				4 13
1.1 D			TZ : - 4.5 -			Bruised finger				14 15
ν΄ α			TT7 - 1 4	••		Mumps				6 7
1. 13			C 1.1			Fractured skull	.,			39 18
12. TT			3.6 - 1 2 -		1	Injured back				11 10
a é r			TT7 - :	• •		Injured shin		•••		18 15
. 1 337			m ·	• •	- 1	Bruised hand and leg				9 2
T T		٠٠	70 - 1	• •		Boil on back	• •			19 12
1 7		•••	C	• •	•••	Pains in stomach	••	• •		
11 777		••	T. 3. 1	• •	•••	Crushed finger	• •			15 14
		٠٠	C14	• •		· · · ·	••	•••		10 10
• ′ ~		•••		• •	•••	Broken ribs	••	• •		6 13
1 73		• •	TO 1	• • •		Appendicitis		••		16 0
. Th		• •		• •	• •	Sprained ankle		• •		19 9
		٠٠	36	• •		Burnt arm	• •	• •		7 13
		• •	TT 1 .	• •		Sprain	• •	••		9 19
zgibbon, M. E		• •		• •	•••	Poisoned arm				12 18
nkenberg, F.	• •	٠٠		• •		Neuritis	• •			8 €
		٠٠				Injured fingers				11 2
		• •			[Quinsy				15 18
		٠.	Makura			Abscess				21 9
		٠.				Rupture	• •			45 10
		٠. ا				Appendicitis				20 0
brielson, J.		٠. '	Koi			Appendicitis				28 2
rard, R.			Maori			Bronchitis				8 11
bson, M.			Mekoia			Pleurisy				9 11
						Crushed fingers				12 19
ll, T. C.			Clansman			Poisoned thumb				10 8
llan, A.			Corinna			Poisoned finger				11 7
llman, C. H.			Wakanui			Nephritis				14 8
odall, E. E.			Ahuriri			Injured eye				11 12
rdon, J.			Cape Finisterre			Hæmorrhage of lungs				9 9
rman, E.			Kumara			Typhoid fever				8 16
ange, H.			Ngapuhi			Lumbago				18 11
ay, T.			Himitangi			Injured knee				45 4
een, J.			Kennedy			Tonsilitis				22 13
een, J.			TTI.			Injured foot				10 18
een, W.			a.e.			Strained back				20 16
escott, A.			TZ 21			Injured arm				8 7
ummah, J.			3.0 .			Poisoned hand				$1\overset{\circ}{2}$ $\overset{\circ}{1}$
ıllifer, W.		. ,	TTT - 2			Injured leg				$\tilde{21}$ 3
llifer, W.			XX7.:			Rheumatism				10 14
lly, J .			4.5			Lacerated hand	• •	• •		8 2
ınn, H.			D ./!!!			Pleurodynia	• •			24 13
dl, W.			A T 1			Descended testes				10 4
mblin, S.			re ,			Injured knee		1		14 15
mel, F.		• •	Tall 353' (1			Bronchitis				10 8
inds, J.			3371			Lumbago		• •		10 10
insard, H.		• •	A			General illness		•••		13 12
insaid, II.			7.6.1		1	T		• •		
insen, m. irdwick, J.		٠.	m : :	• •		Injured head Strained chest and back	• •	•••		7 11
arrington, J.		• •	1 a.e. :	• •	•••	T 0		•••		10 16
arvey, J.		٠.	T7		• • •	Influenza Cerebral concussion	• •	••		8 13
ayes, R.		• •	XX7	• •	٠.	0 11 7	• •			69 11
ayes, R. ayes, T.		• •	-	• •			• •	;		7 16
		• •	TT	• •	••		• •	•••		13 10
ead, S.		• •	T 1 1 1	• •		Injured testicles Bladder trouble	• •	••		16 7
enderson, H.		٠.	1 75	• •	•••		• •	• •		23 5
erring, C.	•	• •		• •		Influenza	• •	• •		10 1
ern, R. M.		• •				Wrenched shoulder	• •			9 9
eta, M.		• •	TT .		• •	Strained back	. • •	٠.		9 13
ill, T.		• •		• •	• •	Bruised foot	;			25 11
inch, J. A.		٠.		• •	• •	Cut and bruised head an	nd hand			6 1
odges, H.		٠.	1 37 11	• •		Piles		[15 8
opkins, R.		• •				Broken arm				31 6
			Maori			Strained back				18 0
orn, F. oward, G.	• •	٠.	WTZ	•••	•••	Strained back Iritis	• •	• •		6 4

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, &					
lunter, J.	.	Rotoiti		Amountated Grand	£ s.					
Iunter, J	•• '	Rotoiti	•, •	Amputated finger	27 0					
win, H.	• •	Kiripaka	• •	Strained back and law	53 7 12 2					
rdine, C.	• • •	Warrimoo	• • •	Community	38 8					
rvie, W.		Poherua		Crushed too	17 6					
frey, H.		Maunganui		Poisoned finger	39 6					
nkins, B.		Waipori		Injured ribs and back	7 14					
nannsen, J.		Bravo		Poisoned hand	7 7					
ınson, J.		Whangape		Phthisis	51 6					
nnson, J.		Huia		Injured toe	8 18					
mson, J		Marama		Injured knee and back	1 14					
mson, S		Wakatu		Crushed finger	11 10					
hnson, T		Waihora		Abscess on buttock	14					
hnson, W. H		Maori		Injured knee	14 8					
lian <u>,</u> C		Eliza Firth		Kidney and eye disease	7 12					
err, J.		Monowai		Broken ribs	28 4					
ng, J	• • •	Warrimoo		Acute pneumonia	22 9					
ng, T.	• •	Mararoa		Gastritis						
ng, W	• •	Kauri	• •	Scalded with caustic soda						
ngham, W	• •	Rarawa	• •	Bruised shoulder	6 12					
skela, R	••	Maori	• •	Sprained back	8 8					
2 42 . TZ	• •	Regulus		Injured foot	5 2					
st, C. W		3 C 1	•••	Lumbago	7 14					
urenson, J.	• • •	Maneno	- •	Daiganed hand	62 8					
urin, O. E.		Lena Gladys	• •	Cauched hand	10.					
ers, W		Hawera		Runturad	13 5					
wis, J.	• •	Corinna		Injured thich						
versey, W. J		Maunganui	• •	Injured orm	8 2					
ewellyn, N		Tofua		Sore eyes	10.1					
oyd , T		Warrimoo		Poisoned hand	10					
pez, E.		Te Anau		Crushed fingers	1 0 6					
lloy, M		Squall		Swollen feet and severe cold	10					
oloney, D		Maori		Ulcerated leg	1 11 -					
nn, R	٠.	Maori		Injured leg and buttock	11 2					
rt, G.	• •	Mararoa	÷.	Twisted instep	14					
rtensen, F	• •	Blenheim Waitemata	• •	Injured knee	6 (
_tim_D	• •	17	• •	Bruised arm and hand Broken rib	21 13					
ubon, J.		Monowai	• •	Injured log	10 1					
y, H.	• •	- Maori	• • •	A	19 4					
yall, E.		The Portland	• • •	Injured side	14 14					
aylund, A.		Ruru		Broken leg	47 8					
chael, J. M		Paeroa	٠	Sprained arm	7 16					
ller, G.		Kittawa		Nephitis	20 €					
ller, J.		Manaroa	• •	Crushed fingers	8 14					
ller, W	• •	Kurow	• •	Lumbago	11 8					
lls, E	• •	Kiritona		Strained back	10.6					
nto C	• •	PTS P	• •	Rheumatism	12 (
tchell, F.	• •	337	- •	Burnt hand	3 4 6					
ore, G.	•• •	Pukaki	• • •	Cauched hand						
orris, S. P.		Taviuni	• • •	Scietica	10.10					
rris, W	• • •	Ripple	• • •	Injured fact	1 7					
orrison, D		Putiki		Appendicitis	1 7 7 7					
ortensen, N		Korora		Poisoned hand	0.76					
se, T		Mararoa		Mumps	11 19					
ller, J.		Turakina		Appendicitis	18 10					
ırray, I. P.		Canopus		Bright's disease	60 (
rray, P. H.		Maori		Scalded foot	23 8					
rphy, T		Kairaki		Eczema	45 17					
edonald, G	• •	Talune Mokoia	• •	Dysentery	10 5					
ackay, P ackenzie, E	• • •		• •	Broken ankle	14 19					
1 1 20	• •	Tree -1	• • •	Abscess on liver	10 4					
eAleary, O		Waihora		Annondicitie	18 7 12 5					
Arthur, G		Mararoa	• • •	Chart complaint	10 1					
Arthur, R		Kowhai	• • •	Threeingles	57 12					
Askill, J		Manaroa		Poisoned thumb	12 13					
Cabe, O.		Mokoia		Injured testicle	12 19					
Cabe, W		Orewa		Burnt face and arms	10 14					
Callum, D.		Mokoia		Inflammation of eye	16 0					
Callum, D.	• • •	Talune		Pain in leg	38 19					
Carthy, M	• •	Mararoa		Lumbago	7 10					
Carthy, T	••	Waipori	• •	Burnt arm	10 0					
Cartney, J. Conville, F.	• • •	Mokoia Komata	• •	Bronchial catarrh Inflammation of pelvis bone	10 14					
cCorville, F cCorkindale, M.	• •	Komata	• •	Injuned alkania	47 9					
Donald, D	••	Waihora	• • •	Buntared	31 9					
Donald, J.		Orari	• • •	Injured los	13 18					
Dougall, N.		Morayshire	• •	Injured Irngger	37 11					
Dowell, S		Maori		Nervous exhaustion	37 10					

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, &					
			£s					
Earchean, I	. Lizzie Taylor	Broken legs						
Ewan, T.	. Whakarua	Hernia						
Gainty, I	. Maunganui	Orchitis						
Garrity, —	. Poherua	Swollen testicle						
Gregor, A	. Navua	Poisoned leg						
Gregor, J	. Mokoia	Injured thumb						
Hugh, P.	. Maunganui	Lumbago						
Intosh, J.	. John	Injured head	25 0					
Intyre, J.	Brisbane	Rheumatism	23 10					
Kenzie, A	. Rakanoa	Tuberculosis of ankle						
Lean, J	. Invercargill	Injured hand	8 19					
Lennan, D	. Mokoia	Scalded arms and hands	18 8					
Lennan, D	. Ngatiawa	Pleurisy	13 11					
Loughlin, C	. Mana	Cold in kidneys	12 7					
Loughlin, I	Kini	Crushed finger	10.16					
Mahon, S. G	. Chelmsford	Sprained ankle	7 11					
Nutty, W	. Waipori	Gout	16 0					
Phie, D	. Aorangi	Injured back	10 10					
Pherson, M	. Victoria	Heart trouble						
Reynolds, S	. Moana	Crushed fingers	21 6					
ylor, A	. Clansman	Nose jambed	3 19					
dham, A. A	. Takapuna	Gastric influenza	20 11					
son, V. E	. Whakatere	Injured thumb	14 18					
son, W	. Maori	Injured spine	11 11					
son, W. J	. Tarawera	Twisted ankle	4 19					
vman, O	. Koromiko	Abscess on knee	13 16					
holson, M.	. Mokoia	Crushed finger	27 19					
hart, D	. Kapiti	Synonitis of left knee	11 2					
ris, Miss A	. Maheno	Pain in breast	5 9					
allaghan, —	. Navua	Throat affection	14 19					
onnor, D	. Tarawera	Muscular rheumatism						
Oonnell, C	. Waverley	Fish-hook in hand	7 3					
onnell, J	. Waverley	Bruised back	8 8					
field, R.	. Kawau	Poisoned finger						
ridge, J. H	. Alexander	Injured leg	13 1					
en Č	. Bravo	Twisted ankle	12 19					
niston, W	. Kini	Injured wrist	27 10					
kham, J	. Maori	Influenza	5 6					
e, R	. Mararoa	Scalded leg	8 4					
ne, J	. Karori	Fractured skuli	36 13					
try, J. M	. Taniwha	Bronchitis	7 12					
ker, G.	. Karamea	Swollen neck	14 10					
ry, J	. Awahou	Injured leg	7 19					
ton, J. W	. Warrimoo	Navolipoma	25 0					
ton, H. T.	. Mararoa	Acute laryngitis	12 3					
ersen, P	. Arrah na Pogue	Pains all over	11 13					
ersen, F	. Warrimoo	Hæmorrhoids	9 11					
llips, R	. Maori	Injured thumb	11 9					
chard, G.	. Rotorua	Acute Bright's disease	21 12					
etor, Ć	. Altair	Splinter in thumb	16 5					
lligan, D	. Huia	Hydroceles	16 14					
n n, C	. Corinna	Heat exhaustion	11 18					
rk, J	. Wairau	Sprained back	6 18					
nshaw, I	. Waipori	Crushed finger	15 1					
d, T	. Karamea	Poisoned neck	7 16					
lly, R.	. Haupiri	Cut finger	6 17					
odes, L	. Maori	Gastritis	24 18					
hardson, C. C.	. Maori	Fever	13 5					
hmond, F. A.	. Niwaru	Crushed hand	11 17					
ketts, F	. Wairoa	Mumps	13 5					
er, H.	. Marama	Injured shin	2 11					
oin on, A.	Haupiri	Injured head	8 0					
oinson, H. W.	. Maheno	Injured arm	10 1					
nall, E.	Mokoia	Rupture	21 8					
vell, J.	Rosamond	Tairmad lance	22 0					
sell, J.	Poherua	Т Д	13					
ssell, J	D	D-11-	15 19					
11 00	771	т О	11 10					
	77	Omenica of a selete	28 16					
´ —	T 1	المسام مال	00.1					
	D1.	Davised book	9 0					
	0, -1 -4 0 - 11 - 1	Droken collerhone						
es, J		Distance in accordance	0.10					
es, W	3.6	Abanaa						
nuels, M		T. January and J. J.	7 6					
re, S	Houto	Injured groin and testes	33 18					
inders, M	Haupiri	Strained back	10.0					
rille, H	Ruahine	Broken collarbone	20.0					
midt, H	. Doto	Broken finger						
rrer, H.	. Warrimoo	Influenza	1 1 2					
	Thereads		. 15 0					
tt, J strand, A.	. Breeze	Pneumonia Crushed	15 3 16 9					

RETURN SHOWING AMOUNTS PAID TO SICK AND DISABLED SEAMEN—continued.

Name of S	e am an.		Name o	f Vessel.		Nature of Injury or I	lness.		íoi	ount paid r Wages, tenance, d
T			 			73				£s
evern, W. haw, E.	• •	• •	John John		•	Fractured skull Broken rib	• •	••		11 18 42 2
heehy, W.		• •	John Whakatane		٠	Broken rib Double rupture	• •			9
hibon, A.		• •	Monowai		•	757 1	• •			13
hields, A.	• •	• • •	Rakiura		•	i -	• •			20 13
ms, W. W.	• •	• • •			•	~ · · ·	• •	•••		33 9
		• •			•		• •	• •		15 18
nclair, G.	• •	• • •	Mokoia Ngatiawa		• •	Appendicitis Bruised shin	• •	••		7 (
nclair, H.	• •	• • •			•	Bruised shin Fractured clavicle	• •	• • •		22 13
nclair, I.	• •	• • •	Wakatu		•		٠.	• • •		18 10
nclair, K.	• •	• •	Whangape		•	Bladder complaint	• •			23 16
nger, J.	• •	• •	Regulus		•	Injured back	٠.	• • •		
ngleton, G.	• •		Kaikoura		•	Rupture	• •	• •		$\begin{array}{ccc} 14 & 1 \\ 22 & 3 \end{array}$
nnott, P.	• •	• •	Koromiko		• •	Sprained wrist	• •			
avin, J.	• •	• • •	Victoria		•	Injured hand	• •	• •		51 8
igo, A.		• • •	Mokoia		•	Injured kneecap	• •	• • •		11 9
nalldon, C. H.		• •	Aorangi		• •	Yellow jaundice				6 6
nith, D.	• •	• •	Opawa		•	Injured hand	• •	• •		10 19
nith, F.	• •	• •	Clansman		•	Crushed foot	• •	• •		6 17
nith, H.	• •	• •	Wimmera		•	Rupture	• •	• • •		12 2
nith, R. S.			Mokoia		•	Injured thumb	• •			31 9
pargo, W. W.			Haupiri		• •	Sprained ankle	• •			19 17
einbrigger, H.		• •	Komata		•	Influenza	• • *	••		11 11
ephens, H.	• •		Mapourika			Chill	٠.	• •		12 8
obie, W.	• •	• • •	Manuka			Rheumatism and sciatica		• • •		9 (
orer, E.			Orete			Injured hand	• •			11 15
randbeck, C.	• •		Fanny			Sciatica	٠.,	•••		10 (
uart, J.			Nairnshire			Broken thigh	• •			24 (
urgess, G. A.			Mokoia			Blood poisoning	• •	٠.		5 2
ıtcliffe, H.			Mokoia			Rheumatism	• • •			8 14
therland, H.			Clansman			Poisoned finger		• •		6 6
van, I.			Monowai	, .		Abscess				6 (
vindley, H.		• • •	Daphne			Jambed finger				4 16
ıylor, A.			Mokoia			Inflammation of neck		• • •		. 11 17
ylor, A.			Mararoa			Injured knee				9 17
ylor, H.			Kaiapoi			Pleurisy				16 10
hegman, W.			Red Pine			Pleurisy				20 18
omas, J.			Ulimaroa			Pleurisy				17
hompson, R.			Blenheim			Injured thigh and knee				14 18
orburn, E.			Mokoia			Poisoned finger				4 17
onsson, N.			Marama			Strained back				2 14
ruman, H.			Monowai			Strained back				6 13
icker, G.			Maori			Broken finger				13 9
ınnage, T.			Echo			Nephritis				22 14
nderdown, J.			Wimmera			Rheumatic fever				12 18
sher, N.			Navua			Sprained ankle				10 1
ictory, R.			Maori			Inflammation of testicle				11 16
ind, B.			Mapourika			Injured foot				18 10
allen, L.			Kahu			Influenza				7 3
are, C.			Mararoa			Kidney trouble				12 4
arner, H.			Rotoiti			Injured foot				6 18
arnes, C.			Talune			Injured shoulder and gro	in			28 4
arren, A.			Weka			Acute tonsilitis				17 10
aters, C.			Kapuni			Lumbago				15 4
atson, G.			Opawa			Specific cerebritis				4 (
ells, V.		•	Kittawa			Sprained ankle				9 18
ellum, C. E.			Ripple			Scalded foot				9 8
entworth, T.			Maori			Injured foot				12 3
estman, M.			Waimea			Pneumonia				8 8
heelan, W.	• • • • • • • • • • • • • • • • • • • •		Manuka			Broken ribs				26 10
hite, I. G.			Haupiri			Severely shaken				18 17
hite, W. J.			Maheno			Burst veins in leg				50 (
hitford, C.			Wakatere			Swollen hand				13 12
ickstrom, F.			Rangi			Cold				13 19
ildman, F. C.			Alexander			Pyclitis				11 (
ilkinson, W.			Maitai			Injured foot				6 11
illiams, A.	,	• • •	Mararoa			Septic burn		:: }		7 18
illiams, J.	• •		Mokoia			Gastric fever				7 7
villiams, V. R		• •	Maori			Influenza	• •			10 6
'illiams, w. K. 'illiamson, A.			Mapourika		•	Crushed hand				4 15
	• •	• •	Fairburn.		• •	Poisoned finger	• •	••	÷	40 1
Villiamson, A.	• •	••	Aorangi		•	Burnt foot	• •			2 8
olfe, M. 'yatt, J.	• •		Squall			Injured head	 			20
			DUUMU			LILIUIUU HUWU				40

RETURN OF ACCIDENTS TO WATERSIDE WORKERS REPORTED TO THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1913.

THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1913.	Place where Accident Particulars as to Accident and its Cause, and Verdict of Jury if Inquest held.	Greymouth He fell over a hand-truck.		: :	: :	Greymouth A sling carried away and the timber fell on him.	Greymouth Support in the bunker.	: :		A lift-wheel fell on his foot.		: :	:	:	Greymouth He supped whitst carrying a galgway. The supped whitst carrying a galgway. However the transfer of the supper supplet the supplet supplet the supplet su	: :	:	:	:	Wellington	: :	: u	:	Lyttetton Some timber tell out of a truck and struck him. Grevmouth He fell out of a wagon on to the wharf.		:	Wellington A sling of cement knocked him against the forecastle ladder. A nice of timber fell on his fact	lers	:	Areymouth Got his hand clushed between iron rails.	Lytechton Strained his back whilst travering erroks.	:	:	Lyberton Whiles lationing Rocked Pork. Whiles showing ease into a truck	: :	:	:	:	Greymouth He supper ou use ucces and ref. A sline of timber fell on him	: :	:	Greymoutd Got his nnger jammed by chain-screw. Lyttelton Got jammed by a basket of coal.	•
TO L		G.	Gre	Wel	Wel	D.			•	Auc	Lyttelto	Lyt	Mel	5. 5.	9. 5.	G. S.	Lyt	Gre	Me	ام ه اح م	Gis	Gre	Lyt	F. B	Lyt	Mel	 V_ V_ V_ V_ V_ V_ V_ V_ V_ V_ V_ V_	Por	M 2	er t	Ľ	Ğ,	C. Te		Wan	Lyt	Gre Gre		- G	Gre	Auc	Ly S	-
ORTED	rwise.	:	•	: :	: :	•	;	other		٠	: :	: :	:	•	•			٠	•	•		•	•	•		•	٠		•	•			•			•	•	•	•	• •	•		
S REP	or othe	:	:	: :	: :	:	:	wrist and		:	: :	: :	head	:	:	: :	:	:	:	:	: :	:	:	der.	: :	:	:	: :	:	:	: :	:	:	:	: :	:	:	:	:	: :	:	: :	
Workers reported	ry: Fatal	back	:	he brain	nd back	:	:	and wri		:	: :	: :	wounded head	:	:	: :		:	:	:	: :	:	: _	nd shoul	: :	:	:	: :	:	:	: :		hd hip	:	: :	:	:	:	:	: :	:	: :	,
WATERSIDE W	Nature of Injury: Fatalor otherwise.	Injured leg and back	Crushed finger	Injured back. Concussion of the	Injured head and back	Bodily injuries	Bruised toe	Broken thigh	injuries	Crushed foot	Injured kidneys Sprained ankle	Injured hand	Split nose and	Sprained ankle	Injured back	Injured hand		Injured head	Killed	Crushed	Killed	Twisted arm	Injured foot	Injured head and shoulder Sprained ankle	Broken rib	Scalp wound	Fractured skull Runised foot	Bruised hip	Injured back	Crushed hand Poisoned fines	Strained back	Twisted leg	Injured back &	Crushed unger		Injured hand		Injured face	Bruised leg	Injured arm	Injured head	Crushed inger Ruptured	
		;	:	: :	: :	:	:	: :		:	: :	: :	:	:	:	: :	:	:	:	:	: :	:	:	: :	: :	:	:	: :	:	:	: :	:	:	:	: :	:	:	:	:	: :	:	: :	
ACCIDENTS TO	n injured	:	:	: :	: :	:	:	: :		:	: :	: :	:	;	:	: :	:	:	:	:	: :	:	:	: :	: :	:	:	: :	:	:	: :	n	:	:	: :	:	:	:	:	: :	:	: :	
RETURN OF ACC	Name of Person injured	R. Ford	P. Nelson	F. Docherty	William Walker	E. Green	S. Grassam E. Southern			J. E. Hill W. Drichter	W. Delgheon James McDonald	F. Newfield	Daniel Moar	L. S. Agnew	William Barrow W Roumbe	F. Gilmore	R. G. Smith	F. Davine	Charles Thorpe	Charles Olsen H P Hansen	William Burton	T. Saunders	F. Gillard	W. Duniels W. Ellison	H. Gardiner	Thomas Forsyth	John Carr W J Tillwshort	George Wilson	D. Pratt	A. K. Fannips	W. Nielson	Thomas Anderson	I. H. Davis	A. Murose	J. Barron	.W. Fearon	J. Pickup	W. G. Pile	P. Magee	H. Leach	William Williams	C. Soutnam A. McCormick	
2	Date.	1912. ril 4	,0 C	91	16	8 8	2 6 2 6	58	•	N T	+ 1~	10	01	= :	51	16	16	17	88	2 6	1 53	27	4 5	22	П	14	<u>s</u> –	67	4 1	17	17	8	67 G	2 4	55	56		97	23		c1 -	# 6:	
	Da	19 April	, :		2 2	•	٤.		ý	May	: :	: :		:	*	: :	: :			:		٤,	June	: :	: :		"Inly	;	:	"	: :			: :		۲,	August		£ ;		Sept.	2 2	:

		10	1110.
A piece of timber fell from a sling on to his foot. Whilst receiving coal he fell from truck on to wharf. A piece of coal fell out of a basket and struck his ear. Whilst loading timber. A sack of potatoes fell on to his leg. He fell whilst shifting trucks. A sling of eargo landed on his foot. He was knocked off a timber wagon. He fell off a wagon on to the wharf. Platform used in hoisting kerosene struck his head. Got finger jammed in a chain-sling.	A case fell on his foot. Was dragged from a truck by a sling. Whilst handling cases of oil got a splinter in his hand. Whilst handling cases of oil got a splinter in his hand. A load of cases fell off a truck, knocked him into net, and fell on top of him. He got jammed between two railway wagons. Dye used in branding got into a scratch on his hand. Through lifting case of goods. A lump of coal fell out of a basket on to his baok. Whilst tallying cargo he slipped and fell off box. Was struck by a piece of timber. Whilst loading s.s. "Katoa." A sling of timber knocked him off a truck. Was run over by truck during shunting operations. Coroner's verdict: Accidental	He fell off cowcatcher of engine whilst shunting. Whilst working door at end of cattle-race he fell off the platform on to the wharf. Whilst tipping a basket of coal. On a punt load of timber whilst loading s.s. "Ihumata." Whilst litting a lump of coal. Whilst landing a sling of timber. A sling of timber fell on his foot. Got jammed between a sling of timber and some cases. Whilst pushing truck. Some timber fell on him. Was struck by a sling of timber. A tray of scrap-iron knocked him down hold of s.s. "John." Crushed by cargo in hold of s.s. "Maheno." He fell off coal staging on to the wharf. A dump of flax knocked him against a stanchion.	A dump of wool fell on his leg. Coal basket carried him on to deek of s.s. "Awahou." A bale of kapoc fell from 'tween deck on to his back. Was struck by a sling of cargo. Got his hand jammed by yardrope on winch-end. Got his foot jammed between two balks of timber. Fell on deck. A sling 3f cargo knocked him off ship on to wharf. Got his hand jagged by winch-wire. Fell on to wharf, striking his hand on a timber wagon. Finger nipped by a chain-sling. A case fell from a barrow on to his toe. He fell off a plank into a coal hulk. Whilst lashing he got caughth between trucks. He let draw-hook of railway wagon fall on to his toe. Some timber fell from a sling and struck him.
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Timaru Lyttelton Lyttelton Kaipara Kaipara Lyttelton Lyttelton Cyttelton Greymouth Greymouth Greymouth Greymouth Greymouth Greymouth Greymouth	Lyttelton Lyttelton Lyttelton Lyttelton Lyttelton Greymouth Lyttelton Greymouth Greymouth Greymouth Greymouth Greymouth Greymouth Greymouth Greymouth Greymouth	Lyttelton Wanganui Lyttelton Dargaville Greymouth Lyttelton Greymouth Wellington Flimaru Bluff Auckland Wellington Auckland Port Ahuriri Wellington	Oamaru Wanganui Auckland Wellington Greymouth Greymouth Wellington Greymouth Wellington Greymouth Wellington Greymouth Greymo
::::::::::	:::::::::::::::::::::::::::::::::::::::	::::::::::::::::::::::::::::::::::::::	:::::::::::::::::::::::::::::::::::::::
Injured foot Bruised Injured ear Crushed thumb Bruised leg Broken rib Injured foot Sprained wrist Injured back and leg Wounded haad Crushed finger	Crushed foot Injured ribs Poisoned hand Backen leg Bodily injuries Poisoned hand Strained Injured muscles of back Injured muscles of crushed finger Dislocated shoulder Killed	Bruised Strained back Strained muscles Strained back Strained back Broken toes Broken toes Fractured pelvis Concussion, broken ribs, and injured spine Spine Crushed froet Concussion, broken ribs, and injured spine Crushed knee and foot Fractured foot Fractured arm	Injured leg Severely shaken Injured back Broken leg Broken hand Fractured toe Injured shin Broken finger and crushed. Lacerated hand Injured toe Injured toe Injured toe Crushed toe Grushed toe Grushed hand and injured head
Injured Bruised Charles Grushed Bruised Bruised Bruised Broken Injured Spraine (Injured Wounds Chrished Chrished Chrished	Crushed Injured Poisonec Broken Bodily i Bodily i Poisonec Strained Injured Injured Injured Injured Crushed Chished Chished Dislocat Killed	Bruised Injured I Strained Crushed Strained Crushed Orushed I Broken t Fracture Strained Injured I Concussing Spine Crushed I Injured I Iractured fractured I Iractured I I I I I I I I I I I I I I I I I I I	Injured Severely Injured Broken Broken Broken Broken Broken Broken Broken Posone Poisone Injured Injured Injured Injured Chushed Grushed Grushed
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J. Gosney R. Campbell A. Foot W. Mailer W. Mailer L. Cogle I. Gogle F. Gee G. A. Smith Charles Holmes A. Hartley	S. A. Marshall J. Shepherd W. Harris James Carlin D. Betts W. Cogle A. Gibbans John O'Daa J. F. Stoddart J. Springle J. Pitoni W. Barron H. Sykes	R. S. Anderson A. Jones W. Gilray W. White W. S. Fraser T. Faull W. Haron T. Thomas Skinson A. Campbell C. B. Muller Joseph Wadley E. Miller Joseph Wadley T. Anderson R. Martin William Wright	H. Bottle W. Gray Charles Coyne W. T. Jones D. Coakley George Mortimer A. Hartley Guy Cockburn J. McGuiley M. Gibbens A. Alderton E. Evans H. Lucas George Cousens Thomas Gornish E. Donovan
113 119 221 225 25 26 26 26	7 8 41 16 8 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	30 31 11 12 12 12 12 23 28 29 29	1913. 17 17 17 17 17 17 17 17 17 17 17 17 17 1
Sept.		Nov	Jan. Jan. " " " " March " " " " " " " " " " " " " " "
10—H. 1	15.		

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, 1913.

					-21	
Name of Person.	Position held.	Ship.	Particulars of Offence, &c.		Date of Conviction.	Penalty imposed.
Aldwinkle V	Kireman	Rusnehu	Desertion		61/11/66	(ne month's imprisonment
Alesatewsky, A.	A.B.	Clan Alnine	Absent without leave	:	18/2/13	Fourteen days' imprisonment.
Arnold. Thomas	Fireman	Clan Grant			5/3/13	Two days' imprisonment and costs.
Ashford, T.	. :	Wakanui	Assaulting the master		3/4/12	One month's imprisonment with hard labour.
Atfield, H. J.	Trimmer	Orari	Stealing field-glasses	:	13/2/13	One month's imprisonment.
Beadle, Arthur		Opawa	Desertion	:	13/9/12	One month's imprisonment.
Black, W.	Trimmer	Manuka		:	30/12/12	Fined £1 and 7s. costs, or seven days' imprisonment.
Bowles, George	Fireman	Tyrone	Absent without leave	:	5/3/13	One month's imprisonment.
Boyd, Thomas	•	Rakaia	:	:	$\frac{6}{11}/\frac{12}{12}$	Two months' imprisonment, 2s. costs, and 6s. solicitor's fee.
Boyle, John R.		Waimana	:	:	11/9/12	Seven days' imprisonment.
Comercy Alchard			:	:	21/8/11	Seven days' imprisonment.
Camerou, A	A.D	. Ruspenu Rushine	:		10/3/13	Bourteen days imprisonment
Cavanagh, J.	Fireman	Zealandie			18/6/12	Fined two days' nay and costs.
Chaney, G. E.		Tongariro	Desertion	: :	28/11/12	One month's imprisonment.
Chapman, W	Trimmer	:	: : :	:	25/11/12	One month's imprisonment.
Church, B.	Fireman	. Athenic	:	:	1/2/13	One month's imprisonment.
Church, William	:	. Turakina	:	:	3/3/13	One month's imprisonment.
Coleman, P.		:	Absent without leave	:	4/2/13	7s. costs.
Collins, John	•	. Rakaia	:	:	6/11/12	Two months' imprisonment, 2s. costs, and 6s. solicitor's fee.
Deans, J.	•	Hurunui	Desertion	:	1/3/13	One month's imprisonment.
Dillon, John	•	. Anglo-Mexican	Disobedience of orders and desertion	:	12/12/12	Fined £3 and costs.
Entwhistle, J. W.		. Mapourika		:	20/12/12	Fined £2 or ten days' imprisonment.
Dinnic Toke		A	Absent without leave	:	20/12/12	Seven days' imprisonment, and fortest two days' pay.
Hagan J		. Anglo-Mexican	Disobering leaful commands		12/12/12	Fined £3 and costs. Forty_cight house, immisonment
Hark. J.	A.B.	Corinthic	Broaching cargo		24/9/12	Corey-eague mouts impresonment.
Hay, A. J.	Fireman	Kia Ora	Absent without leave	: :	30/10/12	Fined 7s.
Haydon, F	. A.B	. Rimutaka	Assaulting boatswain	:	6/11/12	Fined £2 or fourteen days' imprisonment.
Holloway, R	Fireman	. Kia Ora	Absent without leave	:	16/4/12	Three weeks' imprisonment.
Honer, J.	. A.B	Opawa	Desertion	:	23/5/12	One month's imprisonment.
Hutton, J	. Fireman	. Zealandic	Absent without leave	:	21/9/12	Fined two days' pay and costs.
Jackson W		Tongarino	··· ·· ·· · · · · · · · · · · · · · ·	:	15/9/19	Fourteen days imprisonment. Fourteen days' imprisonment.
Jamieson, J.	Fireman	Kia Ora	Absent without leave		30/10/12	Fined 10s. 4d.
Jennings, A		•	Desertion	:	16/4/12	One month's imprisonment and 7s. costs.
Jones, John		. Rakaia	Absent without leave	:	6/11/12	Two months' imprisonment, 2s. costs, and 6s. solicitor's fee.
Kelly, O.		. Zealandic	:	:	18/6/12	Fined two days' pay and costs.
Kelly, W		. Kia Ora	:	:	30/10/12	Fined 10s. 4d.
Kochene I		Sussex	Desertion	:	23/4/12	Fourteen days imprisonment.
Kyle, William		Tyrone	Absent without leave		5/3/13	One month's imprisonment.
Law, G		. Kia Ora	***	: :	30/10/12	Fined 13s. 8d.
			Assaulting second officer	:	30/10/12	Fined 10s. or forty-eight hours' imprisonment.
Leeming, Joseph		. Rakaia	Absent without leave	:	6/11/12	Two months' imprisonment, 2s. costs, and 6s. solution's tee.
•		:	Attenting of minage of the manner	:	71/01/10	THE THOUGHT THE TOTAL TOTAL

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One month's imprisonment. Four months' imprisonment. Three weeks' imprisonment. Twenty-one days' imprisonment. Three weeks' imprisonment, One month's imprisonment, and forfeit £3 &. One month's imprisonment. Fixed 10, 44	Two nonths' imprisonment, 2s. costs, and 6s. solicitor's fee. Fourteen days' imprisonment. £1 and 7 days' imprisonment. Seven days' imprisonment. Fourteen days' imprisonment. One month's imprisonment. Fourteen days' imprisonment and 7s. costs. Fined £2, 10s. costs, or fourteen days' imprisonment. One morth's imprisonment. Fined £2, 10s. days' pay and £1 8s. costs, or seven days' imprisonment.	One month's imprisonment. One month's imprisonment. Seven days' imprisonment. Seven days' imprisonment. Two months' imprisonment, One month's imprisonment. One month's imprisonment. Fined £1 and 7s. costs, or seven days imprisonment. Two months' imprisonment, 2s. costs, and 6s. solicitor's fee. Convicted and ordered to come up for sentence when called upon. Converted imprisonment. Fixed £2 and costs, and forfeit wages. One month's imprisonment.	Fined 10s. 4d. One month's imprisonment and 7s. costs. One month's imprisonment. Three weeks' imprisonment. One month's imprisonment. One month's imprisonment. Seven days' imprisonment. Three month's imprisonment. Three month's imprisonment. Three month's imprisonment. Three month's imprisonment. Three month's imprisonment. Three days' pay and costs. Fined £2 and £1 1s. costs. Two month's imprisonment. One month's imprisonment.	Fourteen days' imprisonment.
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RETURN SHOWING THE NOTICES TO MARINERS RELATING TO MATTERS, WITHIN THE DOMINION ISSUED BY THE MARINE DEPARTMENT DURING THE YEAR, ENDED 31ST MARCH, 1913.

Port or Pla	ce.		Subject of Notice.
Auckland Harbour			Beacon in Mechanics Bay.
,,			Rocks in Motuihi Channel.
••			Mechanics Bay reclamation.
,,	• •		Compulsory pilotage.
,,	• •	• •	Mechanics Bay reclamation.
. **	• •	• •	Dredging off Queen Street and Hobson Street wharves.
"	• •		Light on Calliope Dock Pier. Beacon off Orakei Wharf.
**	• •		Datum-point for guns at Rangitoto Beacon.
,, ,,			Caution against anchoring over cable-ground, Stokes Point.
***			Change in characteristic of Bean Rock Light.
,,			New wharf and light at Kohimarama.
,,,	• •		Change in position of buoy in Mechanics Bay.
,,	• •		Dredging off Kohimarama Wharf.
,,	• •	٠.	Light on St. Helier's Bay Wharf.
,,	• •		Erection of beacons. Beacon off Tamaki River.
- 99	• •	• •	Light on Takapuna Wharf.
**	• •		Rocks off Kohimarama Wharf.
"			Erection of beacons.
. ,,			Dredger off Hobson Street Wharf.
Bluff Harbour			Dredging at entrance to harbour.
,,			Mark-buoy in fairway removed.
Caller Translation		• •	New flagstaff at Stirling Point.
lisborne Harbour	• •	• •	Breakwater extension.
reymouth Harbour	• •	• • •	"Kotuku" wreck in channel. "Kotuku" wreck removed.
Iokitika Harbour	• •	• •	Change of light.
Kaipara Harbour			Beacon light in south branch of river.
sarpara mariotat	• • •		Signal-station.
"			Bar soundings.
"			Temporary change in character of light in south branch of river.
Karamea Harbour			Special signals for vessels taking the bar.
, ,,			Light moved.
yttelton Harbour	• •		Dredging operations.
Ianukau Harbour	• • •	• •	Beacon below Onehunga Wharf.
Motueka Harbour	• •	• •	Shoaling of bar in South Channel. Harbour construction-works: Dredger and mooring-piles at entrance, and a
dolucka Halbour		• •	entrance to Moutere Lagoon.
Napier Harbour			Auckland Rock buoy.
99			Temporary light at entrance to Inner Harbour.
,,			Signals for Inner Harbour.
lew Plymouth Harbo	ur		Berthing-signals from wharf flagstaff.
New Zealand coast			Uncharted rock off Trio Islands, approaching Admiralty Bay, Cook Strait.
"	• •	• •	Dusky Sound, Pickersgill Harbour: Extension of foul ground.
,,	• •		Signals to be made by vessels approaching defended ports when inconvenience by searchlights.
			Mooring-buoy off Wairau River.
**		• •	Establishment of Morse signalling at lighthouses and signal-stations.
",	• • •	• •	Hope Rock at west approach to Current Basin, Cook Strait.
**			"New Zealand Nautical Almanac," and Supplement to "New Zealand Pilot,
**			issued.
,,			Reported rock off Waitara roads.
,,	• •	• •	Rock in Te Kouma Harbour, Coromandel.
,,	* • •	••	"New Zealand Nautical Almanac": Erratum re Timaru fog-signal.
• •	. • •	• •	Castle Point light characteristics.
,,	••	••	Castle Point light: Date of exhibition. Buoy laid in Te Kouma Harbour, Coromandel.
**	••	• • •	Discoloured water off New Zealand coast.
,,	• •	• •	"New Zealand Nautical Almanac": Erratum re Tory Channel tidal prediction
,,			Telegraph cable across Port Hardy, D'Urville Island.
**			Tuahine light: Are of visibility.
amaru Harbour			Dredging at entrance.
tago Harbour			Beacon lights in Lower Harbour.
, ,,			Beacon lights in Lower Harbour, and removal of Tongue Wharf at Dunedi
,,			Light-beacon on Quarantine Island.
Picton Harbour			Light on Railway Wharf.
)) (4 3			Dart Rock buoy adrift, Tennyson Inlet.
Stewart Island	• •	• •	Rock near entrance to Paterson Inlet.
	• •		Rock near entrance to Paterson Inlet.
,,	• •	• •	Barclay Rock buoy, Paterson Inlet.
,, · ·		• •	Waihou River ferry crossing. Warning-signals re ferry-punt, Waihou River.
'hames Harbour			
hames Harbour		• •	
", " Thames Harbour Wanganui Harbour	• • • • • • • • • • • • • • • • • • • •		Alteration in river light.
"," Thames Harbour Wanganui Harbour Wellington Harbour	•••		Alteration in river light. Anchorages.
"," Thames Harbour Wanganui Harbour Wellington Harbour		• •	Alteration in river light. Anchorages. Dredging on Falcon Shoal.
", " Thames Harbour Wanganui Harbour	• •		Alteration in river light. Anchorages.
"," Thames Harbour Wanganui Harbour Wellington Harbour Whangarei Harbour	• •	••	Alteration in river light. Anchorages. Dredging on Falcon Shoal. New soundings.

RETURN SHOWING THE ORDERS IN COUNCIL WHICH HAVE BEEN ISSUED DURING THE YEAR ENDED THE 31ST MARCH, 1913.

Tand Harbour, and authorizes reclamation.								
April 18 Approves plans of reclamation by Tsmaki West Road Board for wharf-approach at Piptines Head, Au Barbour, and authorizes reclamation. Approves plans of vehicular landing and breastwork at Hobson Street Wharf for Auckland Harb Board. Approves plans of groups in Walkato River for Walkato River Deard, and authorizes asme. Approves plans of extension of ferry jetty, and plans of new ferry jetty for Wellington Harbour Board. Approves plans of addition to eastern side of Hobson Street Wharf for Auckland Harbour Board. Approves plans of addition to eastern side of Hobson Street Wharf for Auckland Harbour Board. Approves plans of celamation in Olago Harbour. Anthorizes Olago Rarbour Board to reclaim land of Olago Harbour Board. Approves plans of celamation in Olago Harbour. Approves plans of extension of corner of the reclaim land at O'Neill's Point, and approve plans of temporary jetty for G. S. Moshie at Harkin's Point, Riverhead, Auckland Harbour. Barbour Street			Purpose of Order.					
April 18 Approves plans of reclamation by Tsunkii West Road Board for wharf-approach at Piptines Head, Au Barbour, and authorizes reclamation. Approves plans of reclamation and breastwork at Hobson Street Wharf for Auckland Harb Board. Approves plans of revincing and treastwork at Hobson Street Wharf for Auckland Harb Board. Approves plans of gropuss in Walkato River for Walkato River for Walkato River for Walkato River for Walkato River for Auckland Harbour Board Localess P. Brown to occupy foreshore at Dargaville as site for shed. Approves plans of addition to eastern side of Hobson Street Wharf for Auckland Harbour Board Localess P. Brown to occupy foreshore, Honga, Crahamafern, as site for wharf. Approves plans of extension of north brokedwater for Gerymouth Entour Board. Approves plans of extension of north brokedwater for Gerymouth Entour Board. I have been been been described by the state of the state	1912	2.						
Board. Board.			Approves plans of reclamation by Tamaki West Road Board for wharf-approach at Pipimea Head, Auck-					
Poard. 23 Approves plans of groynes in Waikato River for Waikato River Board, and authorizes same. 24 Approves plans of extension of ferry jetty, and plans of new forry jetty for Wellington Harbour Board. 25 Approves plans of extension of ferry jetty, and plans of new forry jetty for Wellington Harbour Board. 26 Approves plans of reclamation in Otago Harbour. 27 Approves plans of reclamation in Otago Harbour. 28 Approves plans of reclamation in Otago Harbour. 29 Approves plans of extension of down-stream wharf, Greymouth. 20 Approves plans of extension of down-stream wharf, Greymouth. 20 Approves plans of extension of down-stream wharf, Greymouth. 21 Approves plans of temporary jetty for G. S. Mackie at Harkin's Point, Riverhead, Auckland Harbour. 22 Approves plans of extension of north breakwater for Groymouth Harbour Board. 23 Extende close season for seals. 24 Oxeta part of foreshore at New Brighton in New Brighton Borough Council. 25 Extende close season for seals. 26 Approves plans of extension of north breakwater for Groymouth Harbour Board. 27 Approves plans of extension of north breakwater for Groymouth Harbour Board. 28 Approves plans of extension of north breakwater for Groymouth Harbour Board. 29 Approves plans of extension of north breakwater for Groymouth Harbour Board. 20 Approves plans of extension of north breakwater for Groymouth Harbour Board. 21 Approves plans of vibrough great for Waipin Rill (Limited) in Rills Harbour. 22 Approves plans of vibrough great for Waipin Rill (Limited) in Rills Harbour. 23 Approves plans of vibrough greated by Order for Messes. Tothill (Limited) in Rills Harbour, Approves plans of vibrough greated by Order in Council of the Rills of the Rills (Limited) in Rills Harbour, Approves plans of outfail drain from Council weing Rills (Limited) in Rills (Limited) in Rills (Limited) in Rills (Limited) in Rills (Limited) in Rills (Limited) in Rills (Limited) in Rills (Limited) in Rills (Limited) in Rills (Limited) in Rills (Limited) in Rills (Limited)		18						
23 Approves plans of extension of ferry jetty, and plans of new ferry jetty for Wellington Harbour Board 23 Approves plans of addition to castern side of Hobson Street Wharf for Anolkand Harbour Board. Approves plans of reclamation in Orago Harbour. Although plans of reclamation in Orago Harbour. Although plans of testension of down-stream, wharf, Graymouth. May 7 Abbours plans of testension of down-stream, wharf, Graymouth. May 8 Approves plans of testension of down-stream, wharf, Graymouth. Makes special order authorizing Auckland Harbour Board to reclaim land at O'Neill's Point, and approved plans of testension of north breakwater for Graymouth Harbour Board. 2 Extends close season for se		ĺ	Board.					
23 Licenses F. Brown to occupy foreshore at Dargaville as site for shed. 24 Approves plans of addition to eastern side of Blobson Street Whart for Auckland Harbour Board. 25 Approves plans of reclamation in Otago Harbour. 26 Approves plans of extension of down-stream wharf, Greymouth. 27 Approves plans of extension of down-stream wharf, Greymouth. 28 Approves plans of extension of down-stream wharf, Greymouth. 29 Approves plans of extension of down-stream wharf, Greymouth. 20 Approves plans of temporary jetty for G. S. Mackie at Harkin's Point, Riverhead, Auckland Harbour, Licenses Earker-Lamb Timited Company to occupy foreshore, Honga, Grabanafier, as site for wharf. 29 Approves plans of extension of north breakwater for Greymouth Harbour Board. 20 Approves plans of extension of north breakwater for Greymouth Harbour Board. 21 Approves plans of extension of north breakwater for Greymouth Harbour Board. 22 Approves plans of extension of the Standard Review of the Standard Review of Stan								
23 Alprovose planes of reclamation in Otago Harbour. 24 Approvose planes of extension of down-stream wharf, Graymouth. 25 Makes apecial order authorizing Ancholand Harbour Board to reclaim land at O'Noili's Point, and approvose planes of extension of down-stream wharf, Graymouth. 26 Makes apecial order authorizing Ancholand Harbour Board to reclaim land at O'Noili's Point, and approve planes of temporary jetty for G. S. Mackie at Harkin's Peint, Riverhead, Auckland Harbour. 27 Harbours planes of temporary jetty for G. S. Mackie at Harkin's Peint, Riverhead, Auckland Harbour. 28 Heseness Parker-Lamb Timber Company to occupy foreshore though, Gunnald. 29 Vests part of foreshore at New Brighton in New Brighton Borough Council. 20 Vests part of foreshore at New Brighton in New Brighton Borough Council. 21 Approves plan of Summer Borough Council's road on foreshore between boat harbour and Sum Jappoves plane of Summer Borough Council's road on foreshore between boat harbour and Sum Jappoves planes of voystee-wheat for Mesess. Totalli (Linited) in Briff Harbour. 22 Approves planes of tide-defector in Auckland Harbour. 33 Approves planes of tide-defector in Auckland Harbour. 44 Approves planes of tide-defector in Auckland Harbour. 45 Lockness L. B. Mariner to occupy foreshore at Mount Wesley, Wairoa River, as site for wharf. 46 Makes special order authorizing Auckland Harbour Board to reclaim land between Nelson Street et Hobson Street et et Hobson Street et et Hobson Street et et Hobson Street et et Hobson Street et et Hobson Street et et Hobson Street et et Hobson Street et Hobson Street et Hobson Street et et Hobson Street et Hobson Street et Hobson Street et Hobson Street et Hobson Street et Hobson Street et Hobson Street et Hobson Street et Hobson Street et Hobson Street et Hobson Street et Hobson Street et Hobson County Council was and the Hobson County Council was a Hobson Street Marker Bay Distret. 29 Locks Baagan County Council was a Hobson Street Washer Street Washer Street Washer Street Washer		23	Licenses P. Brown to occupy foreshore at Dargaville as site for shed.					
23 Authorizes Otago Harbour Board to reclaim land in Otago Harbour. Makos special order authorizing Aucidand Harbour Board to reclaim land at O'Neill's Point, and appropriate plan. Barboves plans of temporary jets for G. S. Machie at Harbour Sonit, Riverbead, Aucidand Harbour Board to reclaim land at O'Neill's Point, and appropriate plans. Barboves plans of temporary jets for G. S. Machie at Harbour Sonit, Riverbead, Aucidand Harbour Board to reclaim land and the for wharf. Barboves plans of extension of north breakwater for Greymouth Harbour Board. Extends close season for seals. 23 Vests part of foreshore at New Brighton in New Brighton Borough Council. 24 Revokes Order in Council fixing dues for Waipu River wharves, and fixes other dues in lieu thereof. 25 Approves plans of sumer Borough Council a read on foreshore between boat harbour and Sum Hadd, and authorizes same. 36 Harbour Board of Sumer Borough Council and the Harbour Board to reclaim land between Nelson Street of Harbour Board to reclaim land between Nelson Street of Hobson Street ideas and Aucidand Harbour Board to reclaim land between Nelson Street in Hobson Street jetties. 26 Declares license granted by Order in Council of the 7th May, 1912, re foreshore, Grahamsfern, shall be Lann Timber Company instead of Parker-Lann Timber Company. 27 Varies Order in Council vesting Russall Wharf in Bay of Islands County Council. 28 Approves plans of temporary staging, Waterloo Quay, Wellington. 19 Declares German, French, Swedish, and Dutch ships exempt from provisions of Shipping and Sean Act re load-lines. 10 Pechanes German, French, Swedish, and Dutch ships exempt from provisions of Shipping and Sean Act re load-lines. 11 Pechanes L. W. Toogood to occupy necessary foreshore at Josephore at Whaingaroa. 12 Pechanes L. W. Toogood to occupy necessary foreshore at Josephore. 22 Approves plans of bridges for Northern Wairoa Timber Company ower Kirikopuni Stream, and authorizes of Wharf for E. W. Toogood at Jock's Point, Kaipara. 28 Paproves pl								
Makes special order authorizing Anckland Harbour Board to reclaim land at O'Neill's Point, and approve plans. Approves plans of temporary jetty for G. S. Mackie at Harkin's Point, Riverhead, Auckland Harbour. In Concess Parker-Lamb Timber Company to occupy foreshore, Hoanga, Grahamsfarn, as site for wharf. Approves plans of employees the Point of Point Point of Point Point of Point Point of Point Po		23						
plan. 8 Approves plans of temporary jetty for G. S. Mackie at Harkin's Point, Riverhead, Auckland Harbour. 8 Licenses Parker-Lamb Timber Company to occupy foreshore, Hoanga, Grahamafern, as site for wharf. 12 Extends close season for seals. 23 Extends close season for seals. 24 Sextends close season for seals. 25 Extends close season for seals. 26 Approves plans of oxtension of north breakwater for Greynouth Harbour Board. 27 Approves plans of Summer Borough Council's road on foreshore between boat harbour and Sum Head, and authorizes same. 38 Approves plans of Summer Borough Council's road on foreshore between boat harbour and Sum Head, and authorizes ame. 39 Approves plans of oyster-wharf for Messers. Tothill (Limited) in Bluff Harbour. 40 Approves plans of council or searces powers of Harbour Board to reclaim land between Nelson Street of Managomui. 41 Approves plans of tide-deflector in Auckland Harbour. 42 Lamb Timber Company in Summer Borough Council or Searces powers of the Summer Borough Council and Lamb Timber Company and Summer Borough Council and Summer Borough	May							
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23 Extends close season for seals. 23 Extends close season for seals. 23 Revokes Order in Council fixing dues for Waipu River wharves, and fixes other dues in lieu thereof. 24 Approves plan of Sumner Borough Council's road on foreshore between boat harbour and Sum Head, and authorizes same. 25 Approves plans of cyster-whart for Mesers. Tothill (Limited) in Bluff Harbour. 26 Approves plans of tide-defector in Auckland Harbour. 27 Approves plans of tide-defector in Auckland Harbour. 28 Approves plans of tide-defector in Auckland Harbour. 39 Approves plans of the total training Auckland Harbour Board in the total Holson Street jettles. 30 Colares license granted by Order in Council of the 7th May, 1912, 7e foreshore, Grahamsfern, shall be Lamb Timber Company instead of Parker-Lamb Timber Company. 30 Avrise Order in Council working Russell Wharf in Bay of Islands County Council arrying out same Vests management of Mitistal Wharf in Holson County Council. 31 Approves plans of temporary staging, Waterloo Quay, Wellington. 32 Approves plans of temporary staging, Waterloo Quay, Wellington. 33 Approves Raglan County Council leasing sections of Harbour Board endowments at Whaingaroa. 34 Approves Raglan County Council leasing sections of Harbour Board endowments at Whaingaroa. 35 Approves Raglan County Council leasing sections of Harbour Board endowments at Whaingaroa. 36 Approves Raglan County Council leasing sections of Harbour Board endowments at Whaingaroa. 37 Approves Raglan County Council leasing sections of Harbour Board endowments at Whaingaroa. 38 Approves Raglan county Council leasing sections of Harbour Board endowments at Whaingaroa. 39 Approves Raglan county Council leasing sections of Harbour Board endowments at Whaingaroa. 40 Approves Raglan county Council leasing sections of Harbour Board to eccupy foreshore, Kolukohu, site for shed. 41 Approves plans of bridges for Northorn Wairoa Timber Company over Kirikopuni Stream, and authorizes have for shed. 42 Approves plans of wharf for E. W. Toggood at Jock's Po								
23 Revokes Order in Council fixing dues for Waipu River wharves, and fixes other dues in lieu thereof. Approves plans of Summer Borough Council's road on foreshore between boat harbour and Sum Head, and authorizes same. Approves plans of dyster-wharf for Messrs. Tothill (Limited) in Bluff Harbour. Approves plans of tide-deflector in Auckland Harbour. Approves plans of tide-deflector in Auckland Harbour. Approves plans of tide-deflector in Auckland Harbour. Bourd Horder Holsen Street et al.			Extends close season for seals.					
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construct same.								

RETURN SHOWING THE ORDERS IN COUNCIL ISSUED, &c.—continued.

Date of Ord		Purpose of Order.
1912		
Sept.	9 ·	Authorizes Waimakariri Harbour Board to cut channel through north spit. Approves Lyttelton Harbour Board driving piles as marks for dredging, as shown on plan M.D. 3927.
**	16	Makes regulations for appointment of staff and enrolment of boys on New Zealand training-ship.
,,	23 23	Approves plans of wharf for Ward Bros. at Forsyth Island. License: Ward Bros. to occupy foreshore at Forsyth Island as site for wharf.
,,	23	Approves plans of hopper for Hobson County Council at Greenhill, Kaipara.
"	$\begin{array}{c} 23 \\ 23 \end{array}$	Licenses Hobson Councy Council to occupy foreshore at Greenhill, Kaipara, as site for hopper. Approves plans of addition to town wharf, Tauranga Harbour.
,,	30	Removes restrictions on taking of trout in Oruru River, Mangonui-Whangaroa Acclimatization District.
"	30 30	Approves plans of boat-shed in St. George's Bay for Auckland Harbour Board. Approves plans of artesian well in Heathcote estuary for Moreton's trustees, and authorizes same.
**	30	Licenses Northern Steamship Company to occupy foreshore at Cowes Bay, Waiheke, as site for wharf.
October		Approves plans of landing in Freeman's Bay, Auckland Harbour, for R. O. Clark (Limited).
,,	7 7	Amends regulations for trout-fishing in Auckland Acclimatization District. Amends regulations for trout-fishing in Rotorua Acclimatization District.
"	7	Approves plans of Rangiora Timber Company's wharf at the Narrows, Hokianga Harbour.
,,	7	Licenses Rangiora Timber Company to occupy foreshore at the Narrows, Hokianga Harbour, as site for wharf-extension.
,,	14	Approves plans of boat-slip at Kaikoura for Kaikoura County Council.
. ,,	14 14	Approves plans of additions and repairs to Rawene Wharf for Hokianga County Council. Approves plans of additions and repairs to Kohukohu Wharf for Hokianga County Council.
,,	14	Approves plans of Pacific Cable Board's tank at Devonport, Auckland.
,,	14	Amends regulations for trout and perch fishing in Auckland Acclimatization District. Exempts Dutch, Danish, French, Swedish, German, and Norwegian ships from New Zealand Life-saving
,,	14	Regulations.
**	21	Approves plans of Timaru Harbour Board's extension of eastern mole. Makes regulations re trout-fishing in Rotorua Acclimatization District.
"	28 28	Amends regulations re netting in New River estuary.
Nov.	4	Licenses trustees of Akaroa Boating Club to occupy foreshore as site for boat shed and slip. Approves plan of septic tank and outfall sewer in New River estuary for Invercargill Borough Council,
**	4	and authorizes same.
,,	18	Approves plan of widening embankment across Heathcote estuary, and authorizes Christchurch Tramway
	18	Board to occupy necessary foreshore. Amends regulation for trout, perch, and carp fishing in Waimarino Acclimatization District.
,,	18	Approves plans of booms on Tirchanga River for G. Peace.
,,	18 18	Licenses G. Peace to occupy necessary foreshore, Tirohanga River, as site for booms. Appoints W. Morris to be member of Greymouth Harbour Board.
***	18	Prescribes charge for storage on Tauranga town wharf when receipt required by owner.
,,	28	Extends trout-netting season in Lake Hawea. Approves plans of boat-sheds for R. H. Brodrick in New River estuary.
"	28 28	Lionnes R. H. Brodrick to occupy foreshore New River estuary as site for boat-sneds.
"	28	Approves plan of artesian well for Moreton's trustees in Heathcote estuary, and authorizes same in neu
	28	of authority of 30th September, 1912. Approves plan of wharf for Foxton Harbour Board at Manawatu Heads.
Dec.	16	Approved plan of reglamation for Carder Bros, and Co. at Hobsonville, Auckland Harbour.
,	16	Licenses Carder Bros. and Co. to occupy foreshore at Hobsonville, Auckland Harbour, in connection with tile and pottery business.
,,	16	Approved plane of reclamation for R. () Clark (Limited) at Hobsonville, Auckland flarbour,
,,	16	Licenses R. O. Clark (Limited) to occupy foreshore at Hobsonville, Auckland Harbour, in connection with brick and pottery business.
,,	16	Revokes clause fixing charges on Hobson County Council's hopper-site at Greenmin, warron kiver,
1913	2	Kaipara Harbour.
January		Amends regulations controlling traffic on Lakes Rotorua and Rotoiti, and management of wharves and
	12	dues for use thereof. Approves plan of landing for Auckland Harbour Board at Barry's Point.
.,,,	$\frac{13}{20}$	Amends Order in Council licensing Coulthard Timber Company to occupy foreshore, Kaipara Harbour,
	90	as site for wharf and booms. Revokes Order in Council licensing Northern Steamship Company to occupy foreshore at Gray's Landing
"	20	as site for wharf.
,,	27 27	Approves plan of wharf for Coromandel County Council at Whangapoua. Licensing Coromandel County Council to occupy foreshore at Whangapoua as site for wharf.
\mathbf{Feb} .	$rac{27}{17}$	Approves plans of extension of north training-wall, Wanganui.
,,	17	Approves plans of extension of eastern breakwater at Gisborne. Approves plans of extension of Kauri Timber Company's platform in Auckland Harbour.
,,	$\frac{17}{17}$	Approved plane of office for Northern Steamship Company at Kussell.
"	17	Licenses Northern Steamship Company to occupy foreshore at Russell as site f r office. Approves plans and authorizes removal and re-erection of shed and latrines on Rawene Wharf.
,,	$\frac{17}{17}$	Approves plans and authorizes removal and re-erection of shed and authorized and appoints principal Alters representation of certain combined districts on Otago Harbour Board, and appoints principal
••		authorities. Approves plans of breastwork, Waterloo Quay, for Wellington Harbour Board.
"	$\begin{array}{c} 21 \\ 24 \end{array}$	Times winimum longth at which blue god may be taken, bought, and sold,
,,	24	Varies regulations for election of members of Harbour Boards in respect of Lyttelton Harbour Board. Approves plans of timber-landing for G. A. Gamman and Co. in Freeman's Bay, Auckland Harbour.
,, March	$\frac{24}{5}$	The de magniciona of cactions 3 and 4 of Seal Righeries (North Pacific) Act to New Zealand.
,,	5	Appoints principal authorities for combined districts of Counties of Franklin and Manukau and Boroughs
	19	of Otahuhu and Pukekohe for Harbour Board election. Amends general regulations under Part II of the Fisheries Act, 1908, re sale of trout from Lakes Rotorua
**		and Warne
,,	22	Alters representation of certain combined districts on Auckland Harbour Board, and appoints principal authorities for these districts.
,,	22	Approves plans of slipways to boat-sheds in St. George's Bay, Auckland Harbour.
,,	•	

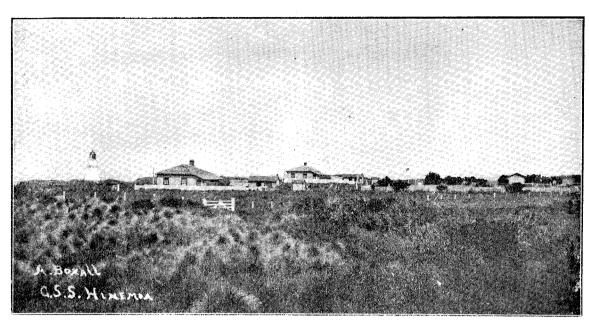
RETURN showing the Orders in Council issued, &c .-- continued.

Date of Order.		Purpose of Order.				
March	22	Approves plans of proposed deepening of Ngunguru River.				
,,	22	Approves plans of tide-deflector at Burke Street Wharf, Thames.				
,,	22	Approves plans of Gisborne Borough Council's proposed bridge over Waimata River.				
,,	22	Approves plans of wharf for Mauku Road Board at Waiau Pa, Manukau Harbour.				
7.5	22	Approves plans of timber-booms for Rangiora Timber Company at the Narrows, Hokianga Harbour.				
,,	22	Licenses Rangiora Timber Company to occupy foreshore at the Narrows, Hokianga Harbour, as site for booms.				
,,	22	Licenses Mrs. B. Mill to occupy foreshore at Purakanui as site for camp buildings.				
,,	22	Vests management of Howick Wharf in Howick Township Road Board, and prescribes dues for wharf.				
,,	28	Amends regulations for election of members of Harbour Boards.				
**	28	Makes provision for representation of certain districts of New Plymouth Harbour Board.				
,,	28	Approves plan of breastwork for J. McLaren, and authorizes construction of same on Wairoa River, Kaipara Harbour.				
,,	28	Approves plan of wharf for Auckland Harbour Board at Riverhead.				
,,	28	Approves plan of boat-shed for G. Denis in Evans Bay, Wellington Harbour.				

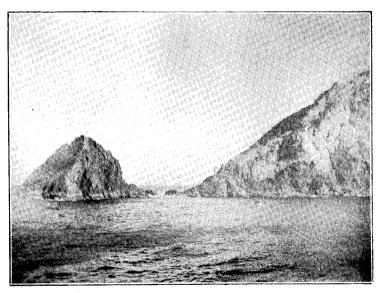
Approximate Cost of Paper.—Preparation, not given; printing (1,500 copies, including illustrations and map), \$100.

By Authority: JOHN MACKAY, Government Printer, Wellington.-1918.

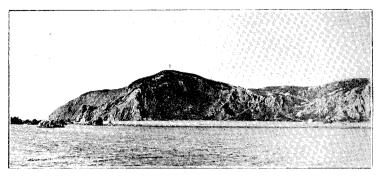
Price 1s. 6d.]



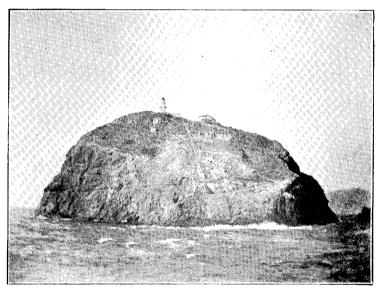
LIGHTHOUSE AND DWELLINGS, WAIPAPAPA POINT.



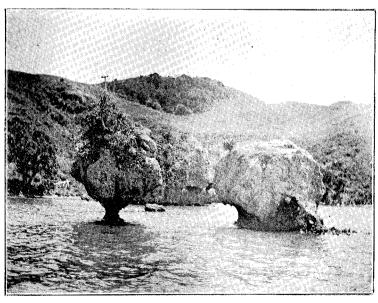
THE BROTHERS.—SOUTHERN LANDING.



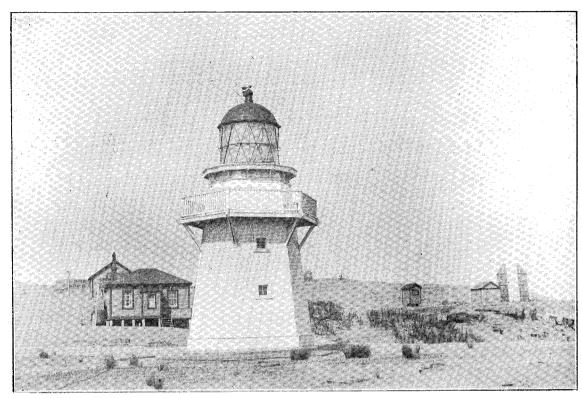
Pencarrow Lighthouse, bearing S. 450 E.



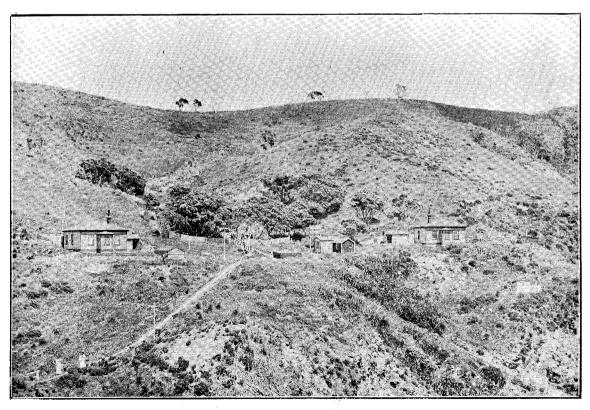
BROTHERS LIGHTHOUSE.



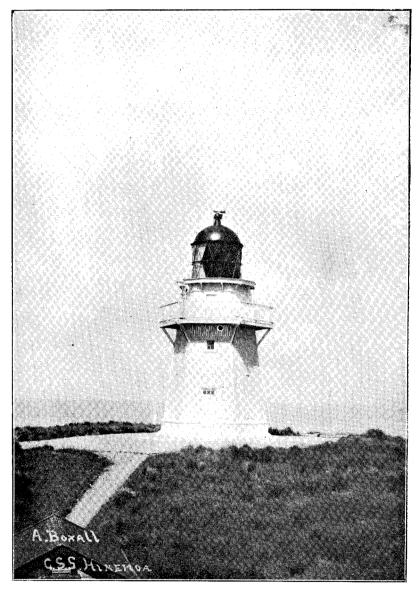
ROCKS AT WHANGAROA.



KAIPARA LIGHTHOUSE.



CUVIER ISLAND DWELLINGS.



WAIPAPAPA POINT LIGHTHOUSE.

