

1917.  
NEW ZEALAND.

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# MARINE DEPARTMENT.

ANNUAL REPORT FOR 1916-17.

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*Presented to both Houses of Parliament by Command of His Excellency.*

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MY LORD,—

Marine Department, Wellington, 31st July, 1917.

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.,

G. W. RUSSELL,

Minister of Marine.

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

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The SECRETARY, MARINE DEPARTMENT, to the Hon. the MINISTER OF MARINE.

SIR,—

Marine Department, Wellington, 31st May, 1917.

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

## *Head Office.*

Owing to the number of officers who have gone to the front and whose positions have been filled by temporary officers the work has been carried on under difficulty, but I am glad to say that every one has done his and her best to keep things going properly. Three of the officers—viz., J. Butler, J. C. O'Leary, and D. N. Lawrence—have been wounded. The last-mentioned has returned to the Dominion, but is not yet able to resume duty.

## *Mercantile Marine Offices.*

The duties of the various offices have been carried out in a very satisfactory manner. In addition to their ordinary duties officers have performed duties for the Defence Department, principally in connection with transports and their crews, and they are deserving of commendation for the willingness with which they have performed them and the manner in which they have carried them out.

The success which attended the appointment of two Surveyors to specially look after the cargo gear of ships and to supervise the loading and discharge of cargo at Wellington has led to the appointment of two Surveyors to perform similar duties at Auckland.

The practice of withholding the certificates of discharge of seamen who desert from or fail to join their ships continues to have a good effect. Very few men have deserted or failed to join more than once during the year.

Shipowners and the representatives of the seamen having failed to come to an agreement as to wages and working-conditions, a conference was held under the chairmanship of the Hon. Mr. Russell, Minister of Marine, at which an agreement was arrived at, and which has since been filed as an award in the Arbitration Court. It may be mentioned that this agreement provides for an eight-hours day for seamen, which is a new feature in agreements and awards concerning seamen in New Zealand except in a few cases.

Appended is a statement showing the number of seamen engaged and discharged at the various ports in the Dominion during the year, and the fees received for the engagements and discharges. The number engaged was 21,300, and the number discharged 20,500. The fees received amounted to £2,483 2s. 6d. During the previous year the engagements were 22,781, and the discharges 20,783, and the amount of the fees £2,626 19s. The transactions at the four principal ports were :—

	Engagements.	Discharges.	Fees.		
			£	s.	d.
Auckland ... ..	5,425	5,294	715	17	0
Wellington ... ..	7,485	6,946	948	11	6
Lyttelton ... ..	1,805	1,798	257	18	6
Dunedin and Port Chalmers ...	4,045	4,227	261	15	0
During the previous year they were :—					
Auckland ... ..	5,844	5,510	769	11	0
Wellington ... ..	8,433	7,869	984	15	6
Lyttelton ... ..	1,738	1,764	269	8	6
Dunedin and Port Chalmers ...	4,231	3,552	308	11	0

It may be mentioned that no fees are charged for engagements and discharges on transports.

The law provides that a person shall not employ any other person to engage or supply seamen unless he is an owner, master, mate, or engineer of the ship, or is a Superintendent. The assistant manager of the Northern Steamship Company having engaged seamen, proceedings were taken against him for doing so, which resulted in a conviction. The defendant has appealed against his conviction, but the appeal has not yet been heard.

Proceedings for breaches of the law in regard to seamen were taken by the Department in the following cases with the results stated: A. Jolly, master of s.s. "Indralema," for failing to put a man on articles—fined £1 and costs; Captain W. H. Robertson, master of s.s. "Devon," for similar offence—fined £1 and costs; J. McCormick, master of scow "Ranger," for a similar offence—fined 10s. and costs; W. F. Norbury, master of s.s. "Manaia," for going to sea with one seaman short of the statutory number—convicted and ordered to pay costs; and W. Manning, master of s.s. "Maori," for shipping a man who had no discharge from his last ship—fined £1 and costs.

#### *Masters, Mates, and Engineers.*

During the year 311 candidates passed their examinations and 80 failed. Of those who passed, 178 were masters, mates, and engineers of seagoing ships; 34 were masters and engineers of steamships plying within restricted limits; and 99 were engineers of restricted-limits vessels propelled by power other than steam. The difficulty which was experienced last year in getting properly certificated second mates for foreign-going sailing and auxiliary-powered ships has continued. The absence of many certificated men at the front is no doubt to a great extent the cause of the scarcity.

The Imperial Government recently suggested that the attainment and maintenance of uniformity in the examinations of masters and mates throughout the British Dominions would be greatly facilitated if arrangements could be made from time to time for some of the Examiners in all the self-governing dominions where such examinations are held to visit Great Britain to study the methods adopted in the Board of Trade examinations and the system by which they are co-ordinated. The matter has been considered by the Government, and it has been decided to send Captain William Whiteford to England for the purpose.

The following is the report of Captain H. S. Blackburne, Chief Examiner of Masters and Mates :—

"The work, as usual, has been carried out by the Examiners at the four principal ports in a satisfactory manner.

"Owing to the war and consequent depletion of officers, the number of examinations for the past year has been even fewer than during the previous two years, being 25 per cent. less than for last year, the number of failures in the examinations amounting to 44 per cent. Many of these, however, pass at second or third attempt within a few weeks of first trial. These failures do not include two candidates who failed in the form vision test and one who failed in the lantern colour test after re-examination by a special Board.

"There has been no candidate during the year for the extra-master examination.

"No new work has been brought into the examination during the year, though very considerable changes are to be introduced within the next twelve months. The whole of the examination in navigation will be brought under the marks system. A specified time will be allotted for each paper, and papers will not be returned to candidates for correction. Candidates will be required to obtain 85 per cent. of the total marks in order to pass. The speed for signalling by the Morse and semaphore is to be increased, and candidates will be required to answer questions on trigonometry, on ship-construction and naval architecture, also on stability and on meteorology; and a master will be required to write an essay on some suitable subject. The particulars of the changes will be notified by a *Gazette* notice to candidates and examiners."

The following proceedings have been taken for breaches of the law regarding certificated officers: P. V. Catling, master of "Enterprise," for going to Auckland Islands without certificated officers—fined £5 and costs; T. W. Vicary, for running launch without certificated man in charge—fined £3 and costs; G. Osborne, for running launch without certificated engineer—fined £5 and costs.

A statement showing the names of persons to whom certificates have been issued during the year, and the grades of the certificates, is appended.

### *Registration of Shipping.*

Returns are appended showing the vessels registered in the Dominion on the 31st December last. There were on that date on the register 190 sailing-vessels, of 21,853 registered tonnage, and 390 steamers, of 70,442 tonnage. The numbers at the end of the previous year were 196 sailing-vessels, of 21,762 registered tonnage, and 385 steamers, of 71,695 registered tonnage. The number of seamen and boys on board was 3,520, as compared with 3,593 at the end of 1915.

In addition to the above vessels there are a very large number of oil-launches and some steam-launches in the Dominion which are not registered.

### *Survey of Ships.*

Certificates have been issued to 271 steamers, 465 oil-engine vessels, and 75 sailing-vessels, as compared with 293 steamers, 474 oil-engine vessels, and 83 sailing-vessels in the previous year. Details as to alterations and repairs to vessels will be found in the appended report of the Chief Surveyor.

The inspection of the cargo gear and the supervision of the loading and discharge of ships are being satisfactorily carried out at Wellington and Auckland by the Surveyors who were specially appointed for that work. The appointment of two Surveyors for this work at Auckland was made during the year.

Owing to a good deal of the time of the Superintendent of Mercantile Marine and Surveyor at Dunedin being occupied on work in connection with the transports, Captain Tomlinson, his assistant, has done a great deal of survey-work, and a temporary clerk has been employed to perform the clerical work of the office.

Attached is a return of vessels to which certificates have been issued.

Proceedings were taken by the Department for breaches of the law in connection with the survey of ships: For running their vessels without survey certificates—Messrs. Emirali and Ford, owners of the scow "Thistle," fined £5 and costs; George Sorenson, master of "Ngaru," fined £2 and costs; E. S. Chatfield, master of "Jane," fined £2 and costs; J. Ragg, master of "Freetrader," fined £3 and costs; P. J. Dowling, owner of "Kaiaia," fined £2 and costs; R. A. Nixon, for carrying more passengers on "All Black" than allowed by certificate, convicted and ordered to pay costs; and E. V. Johnson, owner of launch "Rewa," for running beyond certificated limits, fined 5s. and costs.

### *Deceased Seamen's Estates.*

The estates of forty-one seamen have been dealt with. The amount received was £535 11s., and the amount paid to relatives and other claimants was £399 18s. 9d. The sum of £3 4s. 2d., which had remained unclaimed for over six years, was paid into the Public Account.

### *Wrecks and Casualties.*

During the year fifty-five inquiries into shipping casualties were held, forty-six of them being preliminary inquiries and nine Magisterial inquiries. The appended returns show the casualties and an analysis thereof. Those on or near the coasts of the Dominion were fifty-four, of 25,484 tons register, as compared with seventy-two, of 28,055 tons register, in the previous year. The number of lives lost was fourteen, as compared with one in the previous year.

### *Notices to Mariners.*

A return of the New Zealand Notices to Mariners is appended. Besides these a large number of notices relating to matters outside the Dominion have been published by the Department.

### *Meteorological and Weather Office.*

The following is the report of the Rev. Mr. Bates, Director of the Meteorological Office:—

"The work of the Meteorological Office has proceeded as usual during the past year, though without progress or extension of activities, chiefly owing to changes and shortness of staff, as well as the general necessity for economy on account of the war.

"The continuous records of our self-recording instruments require measurement, co-ordination, and analysis to yield desirable information in regard to many interesting questions; but their chief use during the past year has merely been occasional reference for law cases, upon which, however, they have furnished indisputable evidence.

"In the office we have lost two observers—one retired voluntarily from the service and is now employed in the Home Branch of the Defence Department; the other, a cadet who succeeded him, having reached military age, enlisted, and is already on active service with the Expeditionary Forces. Mr. C. O. Coad, of the General Post Office, takes the Sunday observations, but my assistant, Mr. B. V. Pemberton, and I have rearranged our duties so that we can attend to the local Observatory every morning. This at times is very inconvenient through the Dominion weather report having to be got out promptly and almost simultaneously. In this, however, we have been greatly helped by Mr. A. J. Talbot, the Superintendent of the Wellington Telegraph Office, and the reporting officers throughout the Dominion, so that the report is now issued every day between 9.35 a.m. and 10 o'clock—earlier than was thought possible. This weather report is then telegraphed over the Dominion, and is of especial use to mariners through its more speedy publication.

"Forecasts based on those reports have been issued about noon daily, except on Sundays and the five or six Telegraph holidays in the year. On such days, when very few weather reports can be transmitted because only chief offices are open for a brief period, forecasts are not issued except under exceptional circumstances that call for special treatment. At the same time we keep in communication with the Telegraph Office, make observations of weather conditions, and are constantly answering questions from mariners over the telephone and through the Telegraph Office. The non-issue of forecasts on these rare but by no means unbroken holidays is, however, misunderstood by some critics in the Press, who regularly take occasion to remark on the non-appearance of our reports following these holidays. They seem to want the usual tale of bricks although the supply of straw is then withheld.

"In the evening weather reports and forecasts are issued through the New Zealand Press Association to all the chief daily morning papers. Forecasts are also sent out from the radio-stations at Awanui, Wellington, and Awarua for the benefit of shipping. Occasional forecasts are also sent out by wireless to Chatham Islands, and every night, without failure, a weather report is received from Waitangi. This is, by special request, cabled to the Commonwealth Weather Bureau.

"The Observatory grounds at Wellington have been put in good order—painting of the building, screens, fence, &c., being carried out by the Public Works Department; also an evaporimeter has been established by the Department, and observations of daily evaporation will now be recorded.

"The observations in the other chief centres have been carried on satisfactorily, in some cases under difficulties brought about by the war, but the returns have been nearly always forwarded without interruption to the records.

"Authority has been granted for equipping Trentham and Featherston Military Camps with certain meteorological instruments, and it is hoped that these will soon be in working-order. The Agricultural Department also intend to establish a good climatological station at the Central Development Farm at Weraroa, and the Lake Coleridge electrical-power station is being equipped with a fine set of instruments.

"While speaking of the chief climatological stations I regret to say that the proper methodical and periodical inspections have not lately been possible. This inspection is really necessary to keep up the interest of observers, correct irregularities in the observations, and for the standardization of the instruments.

"A number of new rainfall stations have been established during the year, but a few have ceased recording on account of observers leaving for the front. Some of these have already given their lives for their country's cause."

#### *Government Steamers.*

"*Hinemoa*."—The "*Hinemoa*" has continued the work of conveying stores, coal, provisions, and oil to lighthouses, and of cleaning and painting coastal and harbour buoys and the erection and painting of beacons. The work has been done in a very satisfactory manner. The matter of obtaining a new steamer to replace her is at present held in abeyance owing to the war.

"*Amokura*."—So many boys have offered themselves for the training-ship "*Amokura*" during the year that it has been impossible to take them all, owing to there only being accommodation for sixty. There are now twenty-six waiting for admission, and I am afraid that some of them will be shut out altogether through passing the maximum age at which boys are taken before there are openings for them. The vessel spent last winter in Wellington Harbour, and the boys attended technical-school classes in the vessel's schoolroom on Thorndon Esplanade. These classes are conducted by a teacher employed by the Wellington Technical School, this Department paying his salary. The subjects taught are those which will be useful to the boys in a maritime career. The examination held at the end of the time showed that satisfactory progress had been made. The general behaviour of the boys has been good, and there has been no serious breach of discipline.

During the year the vessel made two trips to the Southern Islands and one trip to the Kermadec Islands to search for castaways and examine the provision-depots which the Department maintains there. No castaways were found, and the depots had not been touched. In addition to these trips coastal training trips have been made.

Appended is a return showing the names of the boys who have served on the "*Amokura*" during the past year.

#### *Lighthouses.*

Owing to the need for economy in consequence of the war, no new lighthouse has been commenced, but it has become absolutely necessary to erect a new tower at Dog Island, as the present stone tower is becoming unsafe owing to the perishing of the mortar. It is intended to erect a ferro-concrete tower around the present structure, and part of the required material has been taken to the island by the s.s. "*Hinemoa*." The work will be commenced as soon as suitable men can be obtained. The Pintsch-gas light on the beacon at Jackson's Head having become unreliable it has been replaced by an Aga automatic acetone-acetylene light, which is giving satisfaction. The cost of gas is now less, and owing to the cylinders containing it being smaller than those containing the Pintsch gas there is much less difficulty in renewing it. The lantern-panes in Karori Rock light having cracked badly new panes have been put in. These were made of the right shape in Dunedin. The automatic light procured for erection on Flat Rock is still in store, as the work of erecting the tower is held over owing to the war.

The dwellinghouses at Puysegur Point are becoming so decayed that it is essential that they should be replaced as soon as possible. The present houses were built when the lighthouse was erected in 1878-79, and owing to the climate being very wet the timber of which they were constructed is becoming rotten. The necessary timber for new houses has been procured, and taken to the lighthouse by the "Hinemoa," and their erection will be commenced as soon as the winter is over. As mentioned in my last year's report, material for new houses for the keepers at Tiritiri has been procured, but owing to the need for economy in consequence of the war their erection has not yet been commenced. The present houses, which are very old, are in such a very bad state that I strongly recommend that if possible a vote for the new ones be taken during the coming session, and that their erection be then proceeded with.

A new revolving cowl has been placed on Cape Egmont tower, a porch erected on the school-house at Nugget Point, a new jib erected on the crane at Cape Brett, a wash-house at Cape Foulwind, repairs executed to the fog-signals at Pencarrow Head and Taiaroa Head, and incandescent lights have been installed at Cape Foulwind and Manukau South Head. These lights are now installed at Cape Maria, Cape Brett, Tiritiri, Cuvier Island, Castle Point, Cape Palliser, Pencarrow Head, Cape Egmont, Brothers, Cape Campbell, Godley Head, Akaroa Head, Jack's Point, Cape Saunders, Nugget Point, Waipapapa Point, Centre Island, Puysegur Point, Kahurangi Point, Farewell Spit, Stephen Island, Manukau Head, and Cape Foulwind. By their installation improved lights have been obtained, and also a considerable saving in the expenditure for oil, as they burn less oil and use kerosene, which is cheaper than paraffin, which was used in the old lights.

One lightkeeper died during the year, three retired on superannuation, eight resigned, one was transferred to the Customs Department, and ten new keepers were appointed.

The following keepers are at the front—J. Robertson, V. H. Rees, and F. Sharrock; and the following are in camp—P. C. T. Burns and J. P. Smith. All these men volunteered.

Owing to members of the office staff being at the front I have only been able to inspect the lighthouses at Godley Head, Akaroa Head, Moeraki, Taiaroa Head, Cape Saunders, Waipapapa Point, Dog Island, Centre Island, Puysegur Point, and Cape Foulwind. Captair, J. Bollons, of the s.s. "Hinemoa," who is also Inspector of Lighthouses, has inspected all the lighthouses in the course of the vessel's periodical visits to them with oil and stores. He has carried out this duty for several years past without any additional salary, and has performed the duty in a most satisfactory manner. The frequent inspections which he is able to make help considerably to keep up the efficiency of the service.

#### *Harbours.*

The buoys and beacons in the various harbours controlled by the Department have been overhauled and painted by Captain Bollons, of the "Hinemoa."

An automatic Aga acetone-acetylene light has been installed at the Narrows, in Hokianga Harbour, to mark a dangerous rock in the channel.

A buoy lighted by an automatic acetone-acetylene light has been placed at Beacon Beach, in Kaipara Harbour. The Wigham light in the Kaipara River is not giving satisfaction, and it is advisable that an automatic light should be substituted.

Mr. F. Meyer, driver of the Harbourmaster's launch, has voluntarily gone to the front.

The sum of £1,100 15s. 10d. was collected for pilotage and port charges in respect of harbours under the control of the Department, as compared with £1,227 4s. 1d. during the previous year. A return of the amounts collected at the various ports, and also the amounts collected at ports controlled by Harbour Boards, is appended.

#### *Fisheries.*

The Department continued the picking and sale of oysters last season. Owing to the demand being larger than usual it was found necessary to discontinue picking and close the beds at the end of August instead of at the end of October. The quantity picked and sold was 8,172 sacks, which realized £5,692 11s. 6d., and gave a net profit of £1,410 15s. 6d., a portion of which was used to replant depleted areas. Of the quantity mentioned, 713 sacks were disposed of in parcels of about five dozen at 1s., and in parcels of about sixteen dozen at 3s. Of the quantity sold 7,148 sacks were sold in Auckland, 191 at Russell, 56 at Hokianga, 292 at New Plymouth, 251 at Gisborne, 50 at Napier, 12 at Hokitika, 14 at Greymouth, 20 at Westport, 11 at Waitara, 46 at Wellington, and 5 at Christchurch. The price charged per sack at Auckland was 13s. 6d.

Replanting of depleted areas has been carried out at Russell (Purerua, Kirikiri, and Ti), and oysters have been brought from Manukau and planted in Queen Charlotte and Pelorus Sounds, rock with oysters attached having been brought down by the s.s. "Hinemoa" and placed on suitable parts of the foreshore. It is also intended to bring up oysters from Foveaux Strait this year and plant them in the sea off White Bluff, abreast of the Awatere River, and off Lyttelton, as it is believed that beds can be established there.

The oysters taken in Foveaux Strait last season were 29,209 sacks, valued at £14,628, of which 175,330 dozen, valued at £1,320, were exported to Australia. The export trade has been affected by the reduction of the steamer traffic to Melbourne.

Quinnat-salmon ova was again collected during the year for continuing the stocking of the Hokitika River. The run of salmon up the Waitaki River has been very large this season, and a very large collection of ova is being made. A portion is being sent to the Hokitika River, and the remainder will be used to commence the stocking of the Wairau and Molyneux Rivers, it

having been decided to take up the stocking of these rivers. The necessary hatching-sheds have been erected, that for the Wairau River being on Maori Creek, a tributary of the Timms River, and for the Molyneux at Pembroke. A quantity of brown-trout ova has also been collected by the Department and sold to acclimatization societies for stocking their rivers.

A report by Mr. L. F. Ayson, Chief Inspector of Fisheries, giving full information regarding the fisheries of the Dominion, is attached.

#### *Inspection of Machinery.*

A full report by the Chief Inspector on the work connected with the inspections during the year is appended.

#### *Antarctic Ship "Aurora."*

The Antarctic ship "Aurora" returned to New Zealand from Ross Sea in a damaged condition on the 3rd April, 1916, having been carried from her moorings at Cape Evans on the 6th May, 1915. She drifted about in the ice until the 14th March, 1916, and on getting free made for New Zealand, and reached Port Chalmers on the 3rd April, 1916.

As ten members of the exploring party had been left behind at the Antarctic, it was arranged that the vessel should be repaired by the Imperial, the Commonwealth of Australia, and New Zealand Governments, so that she might be sent back to the Antarctic for the party left there. The repairs were carried out at Port Chalmers under the control and direction of a supervising committee consisting of Messrs. J. J. Kinsey and J. Mill, who acted in conjunction with an advisory committee in Melbourne. The cost of the repairs and of refitting, provisioning the ship, and wages of crew on the relief trip was £21,377 2s. 7d. up to the 31st March last, since which date further accounts amounting to £439 1s. 4d. have been paid, making a total expenditure of £21,816 3s. 11d., reducible by £1,295 15s. 8d., the amount realized from the sale of surplus provisions, &c., which were on board on the vessel's return from her relief trip to Ross Sea. Of the balance, half is payable by the Imperial Government, and half by the Commonwealth of Australia and New Zealand on a population basis.

The vessel left Port Chalmers on the relief trip under the command of Captain J. K. Davis, of the Commonwealth service, on the 20th December, 1916, and returned to New Zealand, making Wellington on the 9th February, 1917. She brought back seven members of the party left at the Antarctic, three having lost their lives while the party was waiting there for relief.

It will be seen from the return of the expenditure of the Department during the year that it exceeded that of the previous year by £18,945 0s. 6d. The increase is more than accounted for by the expenditure on the "Aurora."

I have, &c.,

The Hon. the Minister of Marine, Wellington.

GEORGE ALLPORT, Secretary.

The CHIEF INSPECTOR OF MACHINERY and the CHIEF SURVEYOR OF SHIPS to the SECRETARY OF THE MARINE AND INSPECTION OF MACHINERY DEPARTMENT.

SIR,—

Head Office, Customhouse Buildings, Wellington, 29th May, 1917.

I have the honour to submit herewith the annual report of the operations of the Inspectors of Machinery and the Surveyors of Ships during the twelve months which ended on the 31st March, 1917.

The work accomplished this year compares favourably with the work of former years, and notwithstanding the war conditions shows a considerable increase in certain directions. The oil-engines and the electric motors are now becoming an ever-increasing factor in the driving of machinery. Freezing-works have almost doubled in number during the last two years, and in the later additions where electric power can be reasonably secured it has been adopted for driving purposes. The storage-capacities at nearly all the old works have also been increased and additions made to machinery. I had the pleasure of inspecting many such additions, and also visiting new works throughout New Zealand. The labour-saving devices adopted and the methods of handling the materials were quite a revelation. Engineers have made it possible by the freezing-machine to largely develop the resources of a country like New Zealand, situated so far from a Home market.

Many land inspections of boilers and machinery are in arrears, as the staff was not capable of dealing with them. I hope to be able to pull up some of these arrears next year.

There was no boiler-explosion during the year, which is a very fine record for the Department.

The engineering workshops have been fairly well employed, and but for the difficulty in securing raw material might have done more.

With regard to the placing of a permanent officer in the North Auckland district nothing has yet been done. The importance of such an appointment is more apparent every day, as this district is growing rapidly.

#### *Annual Survey of Steamships and Auxiliary-powered Vessels.*

The annual survey of all vessels in New Zealand is practically up to date. The request for an extension of certificates for one month after expiry date of the annual certificate has been very much in request by shipowners during the year, and it has been granted in most cases. The piecemeal surveys have been acceded to as far as possible, but considerable difficulty has been found with a limited staff in dealing with all such requests. Steamers of the tank cargo type

take up a considerable time of a Surveyor, and great care has to be exercised at survey to see that all parts of such a vessel are completely inspected. Cargo-vessels are liable to straining conditions when driven under light conditions in bad weather. A great many of these vessels are of large tonnage, and employed in the coal and general-cargo trades in the New Zealand and intercolonial trades.

The only steam-vessel built and completed this year was the steel screw steamer "*Waipu*," particulars of which are given below. There is at present under construction in the Auckland District a wooden lighter, which is to be propelled by oil-engines. It should be completed shortly. Plans and specifications of extensive alterations to the dredge "*Progress*," owned for many years by the Oamaru Harbour Board, have been submitted and approved of. This vessel is having the dredging-gear and hopper removed, and she will be fitted up as a cargo-steamer.

The s.s. "*Waipu*" is a twin-screw vessel of the following registered dimensions: Length, 101 ft.; breadth, 22 ft.; depth, 7 ft. 6 in. Her gross tonnage is 205·4, and her registered tonnage 76·3 tons. The vessel was designed and built at Dunedin, and is of the raised-quarter-deck type, with bridge amidships. She has accommodation for thirty-two seagoing passengers, and has a cargo-hold forward of the machinery space. The hull is built of steel plating, and has a flat plate keel, and deep floors in the machinery space. The propelling-engines have cylinders  $7\frac{1}{4}$  in.,  $11\frac{1}{2}$  in., and 19 in. diameter by 9 in. stroke, and are fitted with Bremme valve gear. They indicate about 250 h.p. The boiler is of a rare type, being a combination of a locomotive and a multitubular boiler. It consists of two shells, about 9 ft. long, one above the other. The bottom shell outside is similar to that of a locomotive-boiler, but the heat gases are conducted from the firebox to the end of the shell through a corrugated furnace-tube. Placed above this shell and connected to it by two neck-pieces is a shell similar to that of an ordinary underfired multitubular boiler. All plates and stays of the boiler are made of steel, and the working-pressure of the boiler is 190 lb. per square inch. The plans and specifications of the hull, boilers, and machinery of this vessel were submitted to the Department and approved of before the construction was commenced.

Sixty-four vessels had new propeller-shafts fitted, and twelve had new propellers fitted; two had new propeller-bosses fitted, and six had new propeller-blades fitted; twenty vessels had new engines fitted, one had new cylinders to main engines fitted, and three had new crank-shafts fitted. It was found necessary to reduce the working-pressure of the main boilers in four vessels, and the pressure of the donkey-boiler in one. Three vessels were converted from sailing-vessels to oil-engine-driven vessels.

The extent of the repairs which it was necessary to make to some vessels and particulars of two vessels surveyed in New Zealand for the first time are given below:—

*O.E.V. "Arawa."*—The following parts of this vessel have been renewed: Keel, three strakes of planking on each side for the full length of the keel; two sister keelsons, 16 ft. long; deadwood and stern-bush, propeller, and shafting.

*S.S. "Cowan."*—This vessel originally belonged to Sydney owners. She was brought to Auckland to be used in the fishing industry. The vessel has a gross tonnage of 67·4, and the register tonnage is 30·3. The hull is of wood, and is of the following dimensions: Length, 83 ft. 6 in.; breadth, 18 ft. 4 in.; depth, 10 ft. 1 in. The propelling-engines have cylinders 12 in. and 24 in. diameter and 16 in. stroke, and are supplied with steam at 120 lb. pressure. The boiler is of the marine tubular type, 9 ft. in diameter and 8 ft. 6 in. long.

*S.S. "Hina."*—The hull of this vessel was strengthened by fitting 10 in. by 3 in. birch stringers to the topsides from stem to stern. All the fastenings throughout the vessel were examined, and those on the iron beams were replaced by new fastenings  $\frac{1}{2}$  in. larger in diameter. All fastenings in the chain-plates and belting were also renewed. Two new planks were fitted on the starboard quarter, and one amidships was repaired. A new forward bulkhead has also been fitted. The repairs to the machinery include the turning-up of the high-pressure piston-rod, the removal of ridges in high-pressure cylinder, new valve-spindles, new key to propeller-boss, rebushing of the stern-tube, and the renewal of valves and plunger of the feed-pump.

*S.S. "Kahu."*—At the annual survey of this vessel considerable repairs were made to the main boiler. All the ordinary and stay tubes were renewed, and the bottom manhole-door was repaired. On completion of repairs the boiler was tested by hydraulic pressure.

*P.S. "Koputai."*—This vessel has been sold to Australian owners after having been laid up for three years. The vessel was surveyed for a foreign-going certificate. A temporary deck-house was erected for the officers' accommodation. An additional compass and a set of boat-davits were fitted. A temporary mizzenmast was stepped to carry a lugsail. The hull, engines, and boiler were overhauled. The boiler was retubed, and a great many new tubes were fitted to the condenser.

*O.E.V. "Kura."*—The hull of this vessel received a thorough overhaul throughout. The following parts of it were renewed: 15 ft. by 4 ft. of planking on the port side amidships; two 15 ft. and one 30 ft. lengths of stringers on the port side; 8 ft. by 4 ft. of the planking on the starboard side aft. All planking was refastened and caulked where required. The rudderhead was refastened.

*S.S. "Mararoa."*—The repairs it was found necessary to make to this vessel were fairly extensive. Besides repairs to the bunkers, deck-plating, and funnel-casing, several scantlings were renewed in the machinery-space as follows: The top and bottom angles and top plating of two sister keelsons under the forward boilers, two sections of floor-plates, twelve intercostals, sections of reverse angles on ten floor-plates, and the plating on top of the floors under the two after boiler-seats. In the way of the after stokehold eight floor-plates and sections of the top plating of keelson 5 ft. long were sheathed with one plate 20 ft. by 4 ft. by  $\frac{1}{2}$  in., two 20 ft. by

2 ft. by  $\frac{3}{4}$  in., six angles each 23 ft. by 4 in. by  $\frac{1}{2}$  in., and one angle 20 ft. by 6 in. by  $3\frac{1}{2}$  in. by  $\frac{1}{2}$  in. On deck 13 ft. of the topgallant-foremast was replaced with a wooden spar. Several patches were fitted to the furnaces of the main boilers, and several tubes and combustion-chamber stays and nuts were renewed. All pistons and rods of the main engines were drawn and trued up in the lathe. New tube-plates and tubes were fitted to the condenser, and the condenser was afterwards tested by water-pressure.

*S.S. "Nile."*—This vessel was laid up for some six years, and before she was recommissioned again she was strengthened and repaired. The No. 2 bulkhead was moved 10 ft. farther aft, and three deck-beams were fitted to the hold-spaces and one between the engines and boilers. A new after bulkhead has been fitted. The stringers in both sides of the hull amidships have been strengthened with double angles, and two new sister keelsons have been fitted between the engine and boiler-seating. Two strengthening-plates have been riveted, each 2 ft. 6 in. by 4 in. by  $\frac{3}{4}$  in., to the keel under the aperture, and several sheathing-patches have been fitted on the hull-plating at water-line. The rudder gudgeons and pintles have been renewed, and also all wheel-chain sheaves. A new end was welded in the spare tiller. A deckhouse for passenger accommodation has been constructed under the bridge. The boiler has been moved 10 ft. farther aft, and a new casing fitted. The engines formerly in the vessel have been replaced by the set taken out of the s.s. "Torea," and a new tail-shaft was put in.

*S.S. "Orepuki."*—The first survey of this vessel in New Zealand was made this year, the vessel having formerly been the "Tay I," registered at Hull, Great Britain. The vessel has a gross tonnage of 531.4, and a registered tonnage of 225.7. The engines are of the triple-expansion surface-condensing type, and the boiler is of the usual Scotch marine type. A number of rivets in the hull were renewed; some sheathing was done to the bunkers; the spare tail-shaft and propeller were fitted, and the stern-tube was remodelled; four boiler-tubes and one combustion-chamber stay were renewed in the main boiler. On deck the air-tanks in the lifeboat and all provision-tanks of the boat were renewed. All pins and shackles for cargo gear, and goose-neck pins and several other equipments were renewed.

*S.S. "Tainui."*—The main keelsons under the boiler of this vessel were dressed up, and steel plates, 16 ft. by 10 in. by  $\frac{3}{4}$  in., were fitted on both sides of it. Angles, 3 in. by 3 in. by  $\frac{3}{4}$  in., were riveted to the plates, and bolts fitted through the floors and keelsons. The sister keelson was stiffened up with 10 in. by 5 in. by 16 ft. timber bolted through floors and keelsons. The copper sheathing in hull was removed and replaced with  $\frac{7}{8}$  in. totara sheathing. A new forward end has been fitted to the deckhouse. Flaws were found to have developed in both webs of the after-crank of the main engines: these were strapped.

*Auxiliary Scow "Vesper."*—The hull of this vessel has been sheathed with totara, and a new centre-board case and rudder fitted. The tail-shaft bracket bushes were renewed. The oil-tank was tested by water-pressure. A donkey boiler has been fitted on board. The following deck equipments were renewed: A class D boat and its equipment, foremizzen topmast and backstays, fore boom and saddle on mast, running-gear and sails, hatch scuttle cover, and standard compass.

*S.S. "Waihora."*—This vessel was under a running survey when she collided with the King's Wharf at Auckland. The stem and adjoining plates were severely damaged. The damaged space was coffer-dammed off, and the vessel proceeded on her voyage to Port Chalmers. The final portion of vessel's survey was made at Port Chalmers. The following permanent repairs were made to the stem: The stem was taken out from the scarf and the fore-castle-head faired, scarf cut, and refitted. Forward plates on the port and starboard sides of L strake were taken ashore, faired, and replaced. The forward plates on the port and starboard sides of K strake were cut between frames 177 and 178. New plates were fitted and connected with inside butt strap, treble-riveted. Similar plates in I and H strakes were also renewed and riveted likewise. Broken frames were scarfed and renewed. An additional breastwork and heavy floor-plate were fitted between the tank-top and main deck.

The total number of steamers and of auxiliary-powered vessels which have been surveyed this year for certificates is 762.

Besides these complete surveys numerous visits have been paid to vessels that were docked during the year between survey dates and when minor repairs and alterations were being made. In Auckland the new slip for docking vessels is not nearly so handy as the small dock which has now been filled up. The new slip is situated in Freeman's Bay, and is about one mile and a half from Queen Street. Longer time is therefore taken in completing a vessel now than in former years. The larger vessels are all docked in Devonport at Calliope Dock.

#### *Survey of Ships for Seaworthiness.*

There was an increase in the number of vessels surveyed for seaworthiness during the year compared with last year. A great number of these surveys were due to severe weather conditions resulting in vessels being damaged by seas or by grounding, or when being berthed. In one case the cause was due to boiler-deterioration, two were due to broken crank-shafts, and one was due to a broken eccentric strap. There was a total number of twenty-four surveys made.

#### *Government Vessels.*

Fifteen Government vessels were surveyed during the year. The names of them are—s.s. "Amokura," "Ben Lomond," t.s.s. "Earnslaw," s.s. "Hauraki," s.s. "Hinemoa," o.e.v. "Huia," o.e.v. "Irinia," s.s. "Janie Seddon," o.e.v. "Manurere," o.e.v. "Mororo," p.s. "Mountaineer," o.e.v. "Patiti," o.e.v. "Reremoana," s.s. "Tawera," s.s. "Tutanekai."



*Additional Steamers and Auxiliary-powered Vessels surveyed for the First Time.*

There were sixty vessels surveyed during the year for the first time. The majority of them are propelled by oil-engines.

*Sailing-vessels.*

The number of sailing-vessels surveyed during the year totalled seventy-nine. The following are particulars of some of the most important repairs made to sailing-vessels:—

*Schooner "Alert."*—The donkey-boiler of this vessel was turned down and thoroughly overhauled. A patch was riveted on the shell on the vertical seam near the foundation-ring. The manhole-door was repaired, and a new supporting-ring for the boiler was fitted. The pressure-gauge was tested.

*Ketch "Kereru."*—This vessel was gutted by fire, and considerable repairs were therefore necessary. The hull was cleaned out and all lining was removed. Four new beams were fitted at both the forward and the after ends. On the port side twenty new top-timbers were fitted. An ironbark rider, 66 ft. by 12 in. square, was fitted on the keelson, and nine iron stanchions were put in under the deck. New decking was fitted at the forward and after ends, and new cabins and a galley were erected. All anchor-chains were annealed and all new equipment placed on board.

*Scow "Ranger."*—All broken and chafed planks on the bottom of this vessel on both sides were renewed for a distance of about 45 ft. The partitions in the hull were all refastened from the bottom, and were also strengthened at the bottom for a distance of 45 ft. with 6 in. by 4 in. timber. The rudder-pin was straightened and the rudder-gudgeons were refastened. A new double iron block for the cargo gear was fitted.

*Schooner "Ysabel."*—This vessel received a good overhauling and many parts were renewed. Renewals were made to the main-hatch coamings, 30 ft. of planking on the starboard and 20 ft. on the port sides, covering-boards and waterways round the stern, decking at the after end, stern stanchions and bulwarks, lining under stringers amidships, and twenty hanging knees. Eleven 10 ft. and ten 3 ft. top-timbers on the port side and fourteen 10 ft. and eleven 3 ft. top-timbers on the starboard side were renewed, and a 30 ft. rider was fitted on the keelson. A new step was fitted for the foremast. All anchor-chains were annealed. Four additional freeing-ports were fitted. The hull-bottom was sheathed with 8 in. by 1 in. totara. A new maintopmast was fitted, and new trestle-trees and cross-trees were fitted to the foremast.

*Explosive Permits.*

There were 100 permits issued at the Port of Wellington for the carriage of explosives on ships.

*Marine Engineers' Examinations.*

Examinations for certificates of competency were held at the following places throughout the Dominion, viz.: Auckland,\* Wellington,\* Christchurch,\* Dunedin,\* Invercargill,\* Hamilton,\* Greymouth,\* Timaru,\* Napier,\* Nelson,\* Tauranga, Portage, Queenstown,\* Wairoa, Whitianga, Mangonui, Hokianga,\* Russell, Havelock, Wanganui,\* Whangarei,\* Rotorua, Westport, Alexandra, Gisborne.

Examinations were held for the following grades during the year: First-class marine engineer, second-class marine engineer, third-class marine engineer, river engineer for steam-vessels, marine engine-driver, first-class marine engineer for auxiliary-powered vessels, second-class marine engineer for auxiliary-powered vessels, and river engineer for auxiliary-powered vessels. The total number of those who sat for these examinations was 272. Of this number thirty-one failed.

I continued my visits to technical schools during the year, and I was more than pleased with what I saw of the training that is given the engineering students. I not only was present when the classes were being held, but I also had a look through the students' notebooks to find out the scope of the class-work. A great deal of good practical instruction is given, and there seems to be a fine sympathy existing between most of the teachers and the scholars. With the work in the machine shops, including tools for iron and wood work and blacksmithing, I was very much struck with the aptitude of the students, and to see the number of useful tools and appliances that were being made for the students' own use. The various principals and the teachers were most courteous and kind to me during those visits, and desirous that I should see all that they were doing. Concessions have since been granted to engineering students who have attended such schools as were reported on by me.

*Examinations of Land Engineers and Land Engine-drivers.*

These examinations were held at the principal centres throughout the Dominion, and special examinations have also been held at many places to suit the convenience of applicants. The full list of places where examinations were held is as follows: Auckland,\* Blenheim,\* Carterton, Christchurch,\* Dannevirke,\* Dunedin,\* Gisborne,\* Greymouth,\* Hamilton,\* Hawera, Hopelands, Inglewood, Invercargill,\* Kohukohu, Masterton, Napier,\* Nelson,\* New Plymouth,\* Pahiatua, Palmerston North,\* Papatowai, Pukapuka, Puponga, Queenstown, Russell, Te Kopuru, Timaru,\* Tokomaru Bay, Waimana, Wanganui,\* Wellington,\* Westport, and Whangarei.

The examinations held were for extra first-class engineers, first-class engine-drivers, second-class engine-drivers, winding-engine drivers (electric), locomotive and traction engine drivers, locomotive-engine drivers, and traction-engine drivers.

Reciprocal certificates were issued to applicants from other States as follows: New South

\* Places at which examinations have been held more than once during the year.

Wales, 1; Queensland, 2; Victoria, 4. The total number who sat for these examinations was 391. Of this number ninety-five failed.

*Examination of Electric-tram Drivers.*

Examinations for this certificate were held at Auckland,\* Christchurch,\* Dunedin,\* Gisborne, Invercargill,\* Napier, New Plymouth, Wanganui,\* Wellington.\* The numbers who sat for examination totalled 119. Of this number nine failed.

*Board of Examiners.*

The Board of Examiners, consisting of the Chief Inspector of Machinery of the Marine and Inspection of Machinery Department, the Inspecting Engineer of the Mines Department, the Engineer in Chief and the Electrical Engineer of the Public Works Department, with Mr. J. G. Macpherson as Secretary, sat in Wellington on eight days to issue certificates to candidates and for other business with which the Board deals.

*Inspection of Gas-, Oil-, Water-, and Electric-driven Machinery, including Lifts.*

This work has increased very much during late years. I am glad that local machinery-manufacturers throughout the Dominion have taken up the construction of oil-engines. Several firms now make a capital engine, which favourably compares both as to price and efficiency with imported ones, and I would like to see all such engines in the future built in our own workshops. The total number of inspections made of this class of machinery amount to 12,405, being an increase of nearly 2,000 inspections this year, which gives some idea of the growth and the use of these appliances in the short period of one year. Gas-engines numbered 1,418, oil-engines 5,761, water and electric motors, including water-wheels, 3,489.

There were a great number of oil-engines still due for inspection at the end of the year.

*Fencing and Guarding of Machinery.*

This branch of the work has been carefully attended to, and all assistance and advice rendered to owners of machinery at the annual visit of the Inspector. The number of notices given to fence dangerous parts of the machinery in motion was 1,612, just double the number of the notices given to owners last year. I regret to have to report several accidents to life and limb of persons employed amongst moving machinery. Some of these proved fatal. A detailed account of these appear in a return appended.

*Boilers inspected.*

During the year 6,951 boilers were inspected and certificates issued for same. At the end of the year there were many boilers uninspected. It is difficult to cope with the increases to boilers and machinery in any one year as well as to get over the old work. Each Inspector has been fully occupied this year. There are so many circumstances occurring to take up the time of Inspectors, such as piecemeal surveys of steamers, extra examinations of marine engineers, and of land-engine drivers and electric-motormen, all of which have been more apparent since the war started. Boilers and machinery are increasing in all districts at a very rapid rate, and longer trips have to be made by Inspectors in country districts.

The number of defects discovered in boilers and digesters was 908, of which twelve were very dangerous. Written notices given to owners to repair boilers numbered 561. This branch of work has gone on very smoothly. Times suitable for inspection to owners as far as possible have been arranged for. This applies more especially to dairy-factory owners, but these factories are so numerous and so scattered that it has been found impossible to comply in all cases in the slack season of the year.

Considerable discussion has arisen with pressures allowed on peculiarly constructed vessels, carrying pressures at new freezing-works, at laundries, and at motor-garages. The correspondence has been of a very pleasant and instructive nature, and pressures have been allowed satisfactory to both the owner and the Department after due consideration.

*New Boilers inspected.*

The number of new boilers inspected for the first time this year totals 353, which is an increase of 8 per cent. on last year's total. It is satisfactory to report the increase in the number of locally made boilers this year. The local boilers made include all sizes, from the smallest farm boiler to a large multitubular boiler of 82 horse-power, 6 ft. 5 in. diameter, and 17 ft. 9 in. long.

The attention of boilermakers is drawn to the matter of safety-valves. In many cases particulars of the lever and weight type are submitted which show that the weight on the lever and of the valve itself have never been considered. This has necessitated the cutting of levers after the safety-valves have been put together. In the case of direct spring-loaded valves many cases have occurred where the springs have been too rigid to permit the valve lifting an amount equal to one-quarter its diameter.

Boilermakers who desire to avoid repeated calculations are recommended to record essential dimensions of safety-valves as they are correctly made, and thus effect standardization. Some authorities restrict the lift of spring-loaded safety-valves to less than one-quarter its diameter, and buyers of foreign safety-valves are wrong in assuming that a safety-valve so designed is equal to one of the same diameter made according to the Department's requirements. To compensate for such restricted lift valves larger in diameter or more in number must be fitted, or the rigid spring replaced by one permitting the required compression.

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\* Places at which examinations have been held more than once during the year.

The following table gives the districts in which the new boilers have gone, the horse-power, and whether made in the Dominion or imported :—

District.	Local.		Imported.		Total.	
	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.
Auckland ... ..	16	275 $\frac{1}{4}$	52	286 $\frac{1}{2}$	68	562 $\frac{1}{4}$
Auckland South ... ..	23	215	13	167 $\frac{1}{2}$	36	382 $\frac{1}{2}$
Hawke's Bay ... ..	24	158	15	243 $\frac{1}{2}$	39	401 $\frac{1}{2}$
Taranaki ... ..	34	410 $\frac{1}{2}$	12	477 $\frac{1}{2}$	46	888
Wellington North ... ..	17	150	2	6	19	156
Wellington ... ..	24	123 $\frac{1}{4}$	18	439	42	562 $\frac{1}{4}$
Marlborough ... ..	4	13 $\frac{1}{2}$	2	10	6	23 $\frac{1}{2}$
Nelson ... ..	4	94 $\frac{1}{2}$	...	...	4	94 $\frac{1}{2}$
Nelson South ... ..	4	22 $\frac{1}{2}$	4	311	8	333 $\frac{1}{2}$
Westland ... ..	3	30	4	53 $\frac{1}{2}$	7	83 $\frac{1}{2}$
Canterbury ... ..	28	140	9	329 $\frac{1}{2}$	37	469 $\frac{1}{2}$
Canterbury South ... ..	3	33	1	6	4	39
Otago ... ..	12	52 $\frac{3}{4}$	5	74 $\frac{1}{4}$	17	127
Southland ... ..	18	208 $\frac{1}{2}$	2	14 $\frac{3}{4}$	20	223 $\frac{1}{4}$
Totals ... ..	214	1,927 $\frac{1}{4}$	139	2,419	353	4,346 $\frac{1}{4}$

*Districts and Inspectors.*

Mr. Knowles, who had been stationed at Christchurch for some years, was transferred to the Wanganui district. Mr. Johnston was transferred to the Hamilton district from Wanganui. Inspector Macindoe, who since his appointment had been attached to the Wellington district, left the Department to go into business on his own account in Fiji. Mr. Macindoe proved a good and careful officer in every way, and I was sorry to lose his services. Messrs. Maxwell and Alexander were new appointments during the year. The former has been stationed at Wellington and the latter at Christchurch.

I have, &c.,

ROBERT DUNCAN,

Chief Inspector of Machinery, Chief Surveyor of Ships; Chief Examiner of Marine Engineers, Land Engineers, Stationary-engine Drivers, and Electric-tram Drivers.

The Secretary, Marine and Inspection of Machinery Department.

The CHIEF INSPECTOR OF FISHERIES to the SECRETARY, MARINE DEPARTMENT.

SIR,—

Wellington, 24th May, 1917.

I have the honour to submit herewith the following report on the fisheries of the Dominion for the year ended the 31st March.

The fisheries which I was able to visit during the year were Bay of Islands, Whangaruru, Whangarei, Kaipara, Hauraki Gulf, Coromandel Coast, Thames, Great Barrier, Wanganui, Cook Strait, Marlborough Sounds, and several places on the Canterbury, Otago, and Southland coasts, and Foveaux Strait.

I inspected the oyster-beds at Bay of Islands, Whangaruru, Kaipara, Great Barrier, Hauraki Gulf, and Coromandel, and I personally supervised and assisted in planting a shipment of rock-oysters in Pelorus Sound, and also inspected the toheroa beds north of Kaipara and along the coast from the New River Heads to Riverton in Southland.

As we were again short of skilled assistance I helped with the collection of salmon-eggs last spawning season, and also with the hatching and liberation of salmon on the West Coast. I inspected some of the tributaries of the Wairau River (Marlborough) and Molyneux River, and a site for a salmon-hatchery was decided on for each of these rivers.

The different fish-markets have been generally well supplied with fish throughout the year. Any scarcity which may have existed for a time was principally due to unfavourable weather-conditions. The outstanding feature in connection with the sea-fisheries during the year has been the extension of the steam-trawling industry at Auckland. Five well-equipped vessels are now trawling from that port, and immense quantities, including a splendid variety of the best market fishes, have been brought in almost daily from the prolific trawling-grounds which exist about two hours' steam from Auckland. With the very large quantities brought in, and the keen competition between the Municipal Fish-market and the private firms, the price of fish has been greatly reduced, and the people of Auckland are now able to get a plentiful supply of fresh fish

at a reasonable price. The Auckland Municipal Council has extended its market, and also increased its catching-power by the purchase of an up-to-date trawler. This vessel was specially built for trawling, and it has clearly demonstrated the superiority of a vessel so built for fishing by being able to work farther afield in deep water and stay out in any weather.

I include in this report a summary of the information contained in the annual reports received from the Collectors of Customs and Inspectors of Fisheries at the various fishing-ports; also tables showing the number of fishing-boats licensed during the year, the number of fishermen employed, &c., and approximately the total quantity and value of fish caught and marketed.

The following is a summary of the information supplied by Collectors of Customs and Inspectors of Fisheries in their reports for the year:—

*Russell*.—The supply of market fish during the past year has been exceedingly good; mullet and snapper have been particularly plentiful. With the exception of crayfish only a small quantity of other fish has been sent to the Auckland market during the past year, the principal market being Whangarei and inland towns and settlements, where there is a large and increasing demand for both fresh and smoked fish.

*Hokianga*.—The usual fish caught on the local fishing-grounds has been plentiful. All the fish caught are sold locally.

*Whangarei*.—The catch of fish for the year shows a considerable increase on the quantity taken in 1916, fish of all kinds being plentiful.

*Kaipara*.—The Inspector reports all kinds of fish usually caught on the local fishing-grounds have been plentiful, but there is considerable falling-off in the quantity of fish taken owing to the trawlers on the Auckland fishing-grounds supplying that market with all kinds of fish in very large quantities.

On account of the decrease in the demand for the Kaipara fish for the Auckland market, more than half the fishermen have given up fishing and taken to other employment, the number of fishing-boats licensed for the year being twenty-three, as against forty in 1916. The mullet-canning industry has also fallen off considerably, only 6,000 dozen being canned during the year.

*Auckland District (Hauraki Gulf)*.—All kinds of market fish have been plentiful, and immense quantities have been brought in to the Auckland market by the five trawlers which are now working from Auckland. The market has been fully supplied, and on this account, and the keen competition between the owners of the trawlers, fish have been sold at a much lower price than formerly. The line and net fishermen have not been able to compete with the trawlers, and consequently most of them have had to dispose of their boats and seek other employment.

The oyster-beds generally are looking very well, but the Inspector reports a poor fixing of spat last season, and on that account special care was exercised in picking the beds last season, and the same caution will have to be continued until a better supply of young oysters is showing on all the beds.

*Thames*.—Fish have been plentiful throughout the year, and good catches by fishermen have been the rule. Flounders have been particularly plentiful through the summer months, the fishermen being unable to find a market for all they could catch, and the Auckland merchants frequently limited the quantity which they would take. Considerable quantities of flounders have been sent to the Wellington market through the summer. The fish were carefully cleaned, chilled, and packed in ice, and reached Wellington after a forty-eight hours' train journey in splendid condition.

*Tauranga*.—Fishing throughout the year has been very good. Since the trawling started in Auckland the market for fish has been confined to local requirements and supplying the inland towns and settlements.

*Gisborne*.—The usual fish caught on the local fishing-grounds have been plentiful throughout the year, and when the weather was favourable good catches were made by the trawler and other fishing-boats. All the fish caught found a ready market in Gisborne and inland.

*Napier*.—The local Inspector reports that the past year has been the worst on record for the fishing industry in Hawke's Bay. The reasons stated are scarcity of fish, prevailing easterly weather, shortage of coal, scarcity of netting twine, and the "slime" which made its appearance in the bay in November and December. This substance choked the nets and caused considerable damage, and generally hindered fishing operations. Some of the smaller trawlers tried line fishing, but the results were not sufficiently encouraging for them to continue. On account of the unremunerative results obtained several of the trawlers stopped working at intervals. A number of the small-boat fishermen also gave up fishing, and found employment handling cargo on the wharf and in other ways. It is very probable that the reported scarcity of fish is only temporary, and that with favourable weather-conditions the supply will soon return to the usual seasonal average.

*New Plymouth*.—When the weather was favourable fair catches were made by the small boats. The one steam trawler working for a time from the port made fair catches, and, having a command of ice, was able to send the surplus fish to inland towns.

*Wanganui*.—The quantity of fish taken during the twelve months was 1,610 cwt., which shows a large increase on the quantity taken in 1916.

*Foxton*.—The fishermen have not been so successful during the year as they were in 1916. The return of the fish caught is given at 390 cwt., as against 800 cwt. the previous year. The whitebait season has been a very poor one, the Manawatu River being in flood and discoloured during the greater part of the time that the whitebait usually run.

*Wellington District*.—The weather-conditions throughout the year have been very favourable, but notwithstanding this the Inspector states that the catches have not been so good as during the previous season. The fishermen state that the hapuku were scarce on the grounds which are

usually fished, and on account of the high price of benzine they could not afford to prospect for new fishing-grounds farther away from their home ports. Sharks and dogfish have been unusually plentiful, and have caused the fishermen considerable loss of time and fishing-gear. A large quantity of fish have been brought in from other districts, and on the whole the Wellington market has been well supplied with fish throughout the year.

*Picton*.—The catches of blue cod, butterfish, and hapuku compare favourably with those of other seasons. Six launches have been engaged in whaling, and the season has been the most successful one on record for the Sounds.

*Wairau*.—In comparison with 1916 the catches during the past season have been rather poor. The prices realized for fish were good, and compared favourably with those obtained at other places. A large proportion of the fish caught is shipped to Wellington.

*Nelson*.—The total quantity of fish taken, both in Tasman Bay and on the French Pass fishing-grounds, during the twelve months is estimated at 25 per cent. less than during 1916. Fishermen say that fish of all kinds have been showing a decrease on the grounds worked for several years, but they are unable to account for this increasing scarcity. All the fish caught at French Pass are sent to the Wellington market.

*Westport*.—The past season has been a fairly good one, hapuku and flat fish showing a considerable increase on the previous year's catch. The whitebait season has been exceptionally poor.

*Greymouth*.—Owing to the bar harbour and entire want of shelter along the coast very little fishing is done. From January to April is practically the only season when fishing-boats can depend on working the outside grounds. All the fish caught are sold locally. The run of whitebait in the Grey River this season has been very poor.

*Hokitika*.—The quantity of fish caught during the year shows a considerable increase on what was brought in in 1916. On account of fish being taken in considerable quantities off the coast, a very much better variety of fish has been marketed than in previous years. The run of whitebait has been exceptionally poor.

*Kaikoura*.—The fishing industry in this district is in a very flourishing condition. The freezer which has recently been erected is proving a boon to the fishermen, and they all seem to be doing very well. Having a supply of ice, the fishermen are able to land their fish in the Wellington and Christchurch markets without any risk of loss.

*Rangiora*.—Fish have been plentiful, and good catches have been made. The quantity of fish marketed during the last season is in excess of the previous year.

*Kaipoi*.—The principal fishing is for whitebait. The season for this migratory fish has been a fair one. The catches of flounders have been below the average of other seasons.

*New Brighton*.—Whitebait is the principal fish caught, and the Inspector reports that the season, taken right through, has been rather a poor one.

*Lyttelton*.—The catches of all kinds of fish compare favourably with the average of other seasons. Bad weather hindered fishing operations considerably, and prevented fishermen from visiting the more distant grounds as frequently as they otherwise would have done. The most of the fish caught are sent to the Christchurch market.

*Akaroa*.—The Inspector for the district reports fair catches throughout the year. He considers that there would be a great increase in the quantity of fish caught if facilities for their disposal direct to the public were provided in Christchurch from a municipal market, with cool storage for holding the fish, and also if better facilities were available for getting the fish to market either by boat or railway.

*Southbridge (Lake Ellesmere)*.—The supply of fish taken during the year was considerably below the quantity taken in 1916.

*Timaru*.—Unfavourable weather during a good part of the winter and spring months considerably hindered fishing operations. Grouper, flounders, and other fish have been fairly plentiful, and on the whole the fishermen have had a good season. The fishermen's retail market on the wharf has been well patronized by the public. Besides being a financial success it has allowed people to get fish perfectly fresh and at a reasonable price.

*Oamaru*.—The catches throughout the year have been above the average with regard to the quantity of fish brought in. Grouper, warehou, and blue cod have been plentiful on the local fishing-grounds. Red cod, although plentiful, have been in very poor condition. After supplying the local market's requirements the balance of the fish is sent to the Christchurch and Dunedin markets. Fishermen complain of the treatment which they receive from merchants in connection with the consignments of fish they send to the cities, and strongly recommend that an officer should be appointed to inspect the fish on arrival and certify to its condition. They also consider that fresh fish should be carried at a much lower rate on the railways.

*Otago District*.—The Inspector reports that the weather-conditions during a great part of the year have been unfavourable, and fishing operations have been considerably hindered in consequence; and he also states that the fishermen consider the past season to be the worst they have experienced for several years. Fish of all kinds were plentiful on the fishing-grounds, and when the weather was favourable good catches were made both by the trawlers and line men. In fact, at times the Dunedin market was glutted with fish, and it is stated that during the month of May over 10 tons of fish were returned to Port Chalmers and taken out to sea and thrown overboard.

At Moeraki, Nugget Bay, and Pounawea the season for all kinds of fish has been an average one. In order to prevent waste of fish when large catches are made, and in order to develop the industry generally, better transport facilities would be of material assistance.

*Invercargill*.—The fishermen throughout the district report that they have had a good year. Fish have been plentiful, and good catches have been the rule. The total quantity of fish marketed is considerably more than in 1916.

*Bluff.*—The Inspector says the season, both for fish and oysters, has been a good one. Two new oyster-beds have been discovered, on which the oysters are large and plentiful. Owing to the irregular intercolonial steamer service there has been a decrease in the export of fish and oysters to the Australian markets.

*Half-moon Bay.*—Good catches of blue cod, which is the principal market fish taken on the local grounds, have been made throughout the season, and the total quantity of all kinds of fish marketed shows a considerable increase on the previous year.

*Chatham Islands.*—Blue cod is the principal fish caught, and the fishermen have made very good catches throughout the season for this fish. The Inspector reports that the fishermen have carefully obeyed the regulations with regard to fishing, and that the freezing establishments are maintained in a clean and healthy condition. The fishing industry is maintaining its hold, and while the weather is favourable good money is made by the fishermen. At present most of the fishermen are Natives, as so many of the European fishermen have gone to the front.

The Inspector states further that a drawback to the industry, as far as the fishermen are concerned, is the want of employment for the men during bad weather and between seasons—that is, from December to February—and he suggests that land should be reserved and thrown open in small areas for selection by fishermen. This would enable the men to own their own cottages, and have sufficient land to cultivate in their spare time. Such a scheme, I consider, would encourage steady men to take up fishing as a means of livelihood, and is particularly necessary in isolated localities such as the Chatham Islands.

*Table showing the Number of Steam Trawlers, Oil-engine Trawlers, and other Vessels employed in Line and Net Fishing, with the Number of Fishermen employed, and approximately the Total Number of Persons engaged in the Fishing Industry at each Port for the Year ended 31st March, 1917.*

(Compiled from the returns given in the District Inspectors' reports.)

Name of Port.	Steam Trawlers.	Oil-engine Trawlers.	Line- and Net-fishing Vessels.	Number of Fishermen employed.	Persons Employed in various ways in connection with the Industry.	Total Number of Persons employed.
Russell .. .. .	..	..	47	90	50	140
Hokianga .. .. .	..	..	25	48	..	48
Whangarei .. .. .	1	..	6	22	..	22
Kaipara .. .. .	..	..	23	30	2	32
Auckland .. .. .	5	..	153	331	300	631
Thames .. .. .	..	..	25	50	..	50
Tauranga .. .. .	..	..	15	30	..	30
Gisborne .. .. .	1	..	10	15	..	15
Napier .. .. .	9	..	65	118	9	127
New Plymouth .. .. .	..	..	18	36	10	46
Wanganui .. .. .	..	1	8	21	..	21
Foxton .. .. .	..	..	14	20	..	20
Wellington .. .. .	2	..	89	170	160	330
Pictou .. .. .	..	..	8	12	..	12
Blenheim .. .. .	..	5	11	12	2	14
Nelson .. .. .	..	..	58	20	..	20
Westport .. .. .	1	8	15	3	10	13
Greymouth .. .. .	..	3	9	12	..	12
Hokitika .. .. .	..	..	1	100	12	112
Kaikoura .. .. .	..	3	15	30	..	30
Rangiora .. .. .	..	..	15	16	..	16
Kaipoi and Styx .. .. .	..	..	43	45	..	45
New Brighton .. .. .	..	..	9	9	..	9
Southbridge .. .. .	..	..	14	14	..	14
Lyttelton and Sumner .. .. .	..	5	15	27	4	31
Akaroa .. .. .	2	..	13	13	..	13
Timaru .. .. .	1	8	13	30	8	38
Oamaru .. .. .	..	..	13	20	..	20
Dunedin and Port Chalmers .. .. .	3	4	75	162	74	236
Invercargill .. .. .	..	..	46	100	25	125
Bluff .. .. .	4	4	67	130	..	130
Stewart Island .. .. .	..	..	32	61	3	64
Chatham Islands .. .. .	..	..	15	57	..	57
Grand totals .. .. .	29	41	985	1,854	669	2,523

Table showing the Various Kinds of Fish caught, and approximately the Total Quantities and Value of Fish Landed, at the different Fishing-ports for the Year ended 31st March, 1917.

(Compiled from the figures given in the District Inspectors' reports for the year.)

Name of Port.	Kinds of Fish caught.	Total Weight.	Total Value.
		Cwt.	£
Russell .. ..	Mullet, schnapper, crayfish, kahawai, kingfish, garfish, tarakihi ..	2,800*	2,800
Hokianga .. ..	Mullet, schnapper, kahawai, hapuku .. ..	642	600
Whangarei .. ..	Mullet, schnapper, hapuku, flounder .. ..	1,400	1,000
Kaipara .. ..	Mullet, schnapper, flounder .. ..	4,800	2,750
Auckland .. ..	Schnapper, flounder, trevally, tarakihi, moki, gurnard, triggerfish	68,580	17,842
Thames .. ..	Flounder, schnapper .. ..	..	..
Tauranga .. ..	Schnapper, kahawai, trevally .. ..	668	600
Gisborne .. ..	Schnapper, flounder, sole, gurnard, kingfish .. ..	Not supplied.	..
Napier .. ..	Gurnard, blue cod, red cod, mullet, flounder, sole, butterfish, horse-mackerel, schnapper, hapuku, moki, trumpeter, ling, barracouta, kingfish, trevally, warehou, crayfish	15,423†	14,260
New Plymouth ..	Schnapper, gurnard, kahawai, hapuku, herring, crayfish, white-bait	3,040	2,360
Wanganui .. ..	Schnapper, blue cod, hapuku, flounder, mullet, kahawai ..	1,610	1,942
Foxton .. ..	Flounder, schnapper, whitebait .. ..	390	480
Wellington .. ..	Hapuku, hake, schnapper, tarakihi, kahawai, trumpeter, blue cod, red cod, flounder, sole, warehou	16,000	15,000
Pieton .. ..	Blue cod, flounder, butterfish .. ..	2,200	2,053
Blenheim .. ..	Sole, tarakihi, red cod, ling, flounder, moki, turbot, brill, crayfish, whitebait	833	1,031
Nelson .. ..	Flounder, sole, hapuku, butterfish, schnapper, moki, warehou ..	Not supplied.	..
Westport .. ..	Hapuku, schnapper, blue cod, kahawai, sole, herring, flounder, whitebait, crayfish	645‡	1,220
Greymouth .. ..	Sole, flounder, hapuku, schnapper, red cod, ling, herring ..	164	344
Hokitika .. ..	Whitebait, herring, groper, cod, kahawai, ling, flounder, sole, schnapper, elephant-fish	4,141	997
Kaikoura .. ..	Hapuku, trumpeter, moki, ling, blue cod, sole, flounder ..	5,840	4,390
Rangiora .. ..	Whitebait, flounder, herring .. ..	91	615
Kaipoi .. ..	Whitebait, flounder, herring, kahawai .. ..	153	426
New Brighton ..	Whitebait .. ..	13	150
Southbridge .. ..	Flounder, red cod .. ..	200	120
Lytelton .. ..	Groper, ling, red cod, conger-eel, flounder, sole, trevally, herring, garfish, butterfish, moki	13,460	12,562
Akaroa .. ..	Groper, blue cod, red cod, trevally, moki, butterfish, flounder, sole, ling, crayfish	2,300§	1,995
Timaru .. ..	Groper, sole, brill, barracouta, kingfish, gurnard, ling, red cod ..	3,020	2,911
Oamaru .. ..	Groper, red cod, moki, blue cod, barracouta, warehou ..	6,860	3,209
Dunedin and Port Chalmers	Groper, trumpeter, mullet, garfish, bream, kingfish, ling, blue cod, red cod, barracouta, moki, tarakihi, trevally	52,980	42,148
Invercargill .. ..	Blue cod, groper, trout .. ..	1,443	2,127
Bluff .. ..	Blue cod, groper, trout, flounder, trevally .. ..	11,401	15,923
Stewart Island ..	Blue cod, groper, butterfish, moki .. ..	4,838	5,990
Chatham Islands ..	Blue cod, hapuku .. ..	10,484	6,189
Totals .. ..	.. ..	236,419	164,034

\* 700 sacks crayfish.

† 300 sacks crayfish.

‡ 300 sacks crayfish.

§ 500 sacks crayfish.

### Oysters.

Locality.	Disposed of in Dominion.	Exported.	Total Number.	Total Value.
	Sacks.	Sacks.	Sacks.	£ s. d.
Foveaux Straits .. ..	26,482	2,727	29,209	14,628 0 0
Rock-oysters.				
Bay of Islands .. ..	3,878			
Hauraki Gulf .. ..	4,232			
Hokianga .. ..	56			
		...	8,166	5,479 17 6
Total ... ..	...	...	...	20,107 17 6

### Whaling.

Whaling-station.	Number of Whales taken.	Yield of Oil.	Bonedust.	Total Value.
		Tons.	Tons.	£ s. d.
Whangamumu .. ..	25	100	20	2,120 0 0
Marlborough Sounds and Cook Strait ..	57	200	...	3,800 0 0
Totals .. ..	82	300	20	5,920 0 0

*Return showing the Total Quantity and Value of Fish Imported into and Exported from New Zealand during the Year ended 31st December, 1916.*

## FISH IMPORTED.

	Quantity.	Value.
Anchovies, salted (in bulk) ... ..	10 cwt.	£28
Oysters, fresh ... ..	Nil.	Nil.
Other fish, fresh or frozen ... ..	9 cwt.	£32
Fish, preserved in tins ... ..	2,727,914 lb.	£90,908
Fish, smoked, dried, pickled, and salted ... ..	640 cwt.	£1,853

## FISH EXPORTED.

	New Zealand Produce.		Not New Zealand Produce.	
	Quantity.	Value.	Quantity.	Value.
Anchovies, salted (in bulk) ... ..	Nil.	Nil.	Nil.	Nil.
Oysters, fresh ... ..	178,354 doz.	£1,340	Nil.	Nil.
Other fish, fresh or frozen ... ..	18,133 cwt.	£29,737	Nil.	Nil.
Fish, preserved in tins ... ..	128,528 lb.	£7,526	137,761 lb.	£5,053
Fish, smoked, dried, pickled, and salted ... ..	91 cwt.	£212	9 cwt.	£30

*Rock-oyster Beds.*

As will be seen by the return given in this report, the total quantity of oysters marketed during the year was 8,166 sacks. The oysters were in splendid condition throughout the whole of the season. There was a considerable increase in the number of retail parcels sold on previous seasons, showing that the public appreciate the Department's efforts to supply small quantities at a reasonable price.

On account of the poor fixing of spat on all the beds during the last three seasons the oyster-beds everywhere have had to be carefully nursed, and every care taken that the quantity picked each season does not exceed the number of young oysters which are coming on to take the place of those taken away. Valuable work in the improvement of the beds has been done during the summer months at Great Barrier and Bay of Islands by removing "high-water" rock down to the mid-tide oyster-line.

It was the intention of the Department to commence restocking the beds at Whangaroa, in Whangaroa Harbour, this season, but owing to the difficulty of getting a suitable scow to convey the oyster-rock from the Bay of Islands it was found impossible to carry out this work as intended.

A shipment of oyster-rock was taken by the "Hinemoa" from Manukau Harbour and planted in Crail and Manaroa Bays, Pelorus Sound. The oyster-rock arrived in good condition, and was successfully planted in suitable localities in the bays mentioned.

With regard to the rock-oysters planted in Queen Charlotte Sound and Tory Channel last year, two or three of the plants put down in Bay of Many Coves have died, but those in the other beds are reported to be growing and doing well.

*Planting Foveaux Strait Oysters in Cook Strait.*

It was the intention of the Department to put down a bed of Foveaux Strait oysters in Cook Strait during the year, but on account of the oysters being too near spawning in October the work had to be put off for that season; but arrangements have now been made to have oysters planted during the coming winter.

*Quinnat Salmon.*

The number of salmon-eggs collected last spawning season was 1,106,000; 866,000 were collected at the Hakataramea Station and 240,000 from the Dobson River. An effort was made to net the Ahuriri River for spawning salmon, but on account of the heavy current and freshes the attempt was not successful. The salmon-eggs were disposed of as follows: 25,000 were supplied to the Tasmanian Government, 1,000,000 were sent to the West Coast to stock the Hokitika River, and 81,000 were hatched out at Hakataramea.

I estimate that quite four times as many salmon came up the Waitaki last spawning season as during the season of 1915; the collection of eggs was more than four times the quantity taken the previous year.

With regard to the time that these salmon commence to run in from the sea, the first fish this season was taken during the last week of January. A very large run came in during the last two weeks of February, and all through the month of March. In the Waitaki they were taken freely by trout-anglers; the number landed in this way is estimated at about 400 fish,



averaging about 16 lb. in weight; and about the same number are reported as having been taken in the Rangitata, averaging about 17 lb. The run of salmon in the Waitaki this spawning season is far ahead of last year's run. From the number of fish which are now running in the Haketaramea, and judging the other three large tributaries by the number of salmon which myself and assistants have seen in the Ohau River, it is no exaggeration to say that the salmon in the Waitaki and its tributaries this season must number tens of thousands.

As it has been proved that salmon-eggs can now be collected in large quantities, the Department has decided on a vigorous policy with regard to stocking other suitable rivers throughout the Dominion. During the past summer a hatchery capable of dealing with half a million eggs was erected on a tributary of the Wairau River (Marlborough), and a site for a hatchery has been secured at Wanaka Lake, where temporary arrangements will be made this season for the purpose of hatching out half a million eggs for the purpose of stocking the Molyneux River. It is intended this season to allot half a million eggs to each of the three rivers which the Department has now in hand—viz., the Hokitika, Wairau, and Molyneux. The result of the inquiries made goes to show that the salmon have spread along the coast north as far as the Waiau (North Canterbury), and south to the Taieri River. The Taieri is at times rather badly polluted by gold-mining, but from an examination of the tideway at its mouth, and its condition in the gorge above Outram, I think it is quite possible for salmon to make their way up to the clear tributaries beyond where the races from the sluicing claims join the main river.

The very rapid increase of the quinnat salmon must be considered as most satisfactory, and the time is very near indeed when they will be placed on the market, and the people of the Dominion will have New-Zealand-grown salmon on their tables. New Zealand has the distinction of being the only country in the Southern Hemisphere which has successfully acclimatized salmon, and on the authority of experts it is said to be the only country in the world which has been successful in acclimatizing this salmon away from its native habitat. The success attained in acclimatizing this fish is undoubtedly due to the systematic and vigorous effort made by the Marine Department, commencing in 1900. Had any of these very prolific fish survived from the spasmodic efforts made to acclimatize them previous to 1900 they would have declared themselves long before the Department commenced its importations in 1900.

#### *Atlantic Salmon.*

So far there is no actual proof that the Department's effort to acclimatize these fish in the Waiau River in Southland has been successful. Fish were caught by anglers near the mouth of the Waiau last angling season, which were said to differ considerably from the Waiau trout both in shape and appearance. None of these fish, however, were submitted to the Department for identification, so the question as to whether these fish were Atlantic salmon is a matter of doubt.

#### *Collection of Brown-trout Eggs.*

Owing to the very unfavourable weather and river conditions throughout the whole of the spawning season in South Canterbury and North Otago we were unable to collect all the eggs required to supply orders from acclimatization societies, and to keep faith with these societies the Department had to purchase a large quantity of eyed ova from the Christchurch and Southland Acclimatization Societies.

#### *Development of the Fisheries.*

In this time of stress the Government is required to give every possible assistance in increasing the supply, and also cheapening the necessaries of life for the people of the Dominion. The fisheries are capable of producing a very large supply of a necessary food, and special attention and assistance should be given to the industry at the present time. As with the development of all other industries, a certain amount of money must be provided by the Government, and every encouragement should be given the fishermen and others already employed in connection with the industry.

I think the Government should encourage and assist the Municipal Councils of the principal cities in the erection of suitable fish-markets, and in the adoption of a system of distribution of fish from these markets, and in supplying inland towns and country districts with a regular supply of fresh and cured fish.

For the purpose of assisting the present fishermen, and encouraging more fishermen to engage in fishing, I would respectfully make the following recommendations:—

- (1.) That the Government advance money to fishermen for the purchase of suitable boats and fishing outfit.
- (2.) The insurance of fishermen's boats by the State Fire Insurance Office.
- (3.) The erection of fish-chilling and ice-making plants in outlying parts of the coast, so as to ensure all fish reaching market in a perfectly fresh condition.
- (4.) Encourage fishermen to go in for purse-seining by a practical demonstration of the use of this net on the various fishing-grounds around the coast. By this method fish can be taken in very large quantities and at small cost in comparison to trawling.
- (5.) Giving a bonus on fish canned and cured for export, and also on the production of fertilizer manufactured from fish-offal and unmarketable fish.

A better system of marketing and distributing fish would undoubtedly result in a large increase in the quantity of fish brought in by the present fishermen, for the Department has had clear evidence placed before it during the past year where fish-merchants have systematically restricted the quantities of fish they would take from fishermen; and also information from one port where the fishermen's union restricts the quantity of fish each boat is allowed to send to the local wholesale market.

I am confident, too, that the assistance which I have recommended should be given by the Government would at once result in a considerable increase in the number of men engaged in fishing. At the present time fishermen all over the Dominion are working under great difficulties, owing to the high prices they have to pay for everything they require in connection with their trade. Benzine and lubricating-oil are about double the price they were before the war. Nets and netting-twine have increased about 75 per cent., and are very difficult to procure at any price. So unless fishermen can either get a better price from the wholesale merchant for the fish, or receive some assistance from the Government, there is a risk that numbers may have to seek other employment, from which they can receive a higher and steadier income, to enable them to meet the increased cost of living.

I have, &c.,

L. F. AYSON,  
Chief Inspector of Fisheries.

## RETURNS.

RETURN SHOWING THE TOTAL ORDINARY EXPENDITURE OF THE MARINE AND INSPECTION OF MACHINERY DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1917.

Nature of Expenditure.	Details.	Totals.	Grand Totals.
	£ s. d.	£ s. d.	£ s. d.
Head Office: Salaries of staff .. .. .	..	4,750 0 0	
Harbours:—			
Greymouth,—			
Salary of Engineer .. .. .	..	480 0 0	
Hokianga,—			
Salaries of staff .. .. .	590 0 0		
New house for Harbourmaster .. .. .	92 16 4		
Repairing launch .. .. .	23 16 11		
Stores and contingencies .. .. .	75 6 0		
Kaipara,—		781 19 3	
Salaries of staff .. .. .	739 0 0		
Lighting beacons in Holensville River .. .. .	23 10 0		
Repairing launch .. .. .	35 5 10		
Repairing and attending buoys .. .. .	12 17 1		
Repairs to houses .. .. .	40 12 2		
Stores and contingencies .. .. .	208 11 0		
Wellington,—		1,059 16 1	
Salary of storeman .. .. .	..	220 0 0	
Picton,—			
Salary .. .. .	260 0 0		
Stores and contingencies .. .. .	31 14 6		
Ngunguru,—		291 14 6	
Salary .. .. .	..	15 0 0	
Whangaparapara,—			
Salary .. .. .	13 13 1		
Stores and contingencies .. .. .	0 8 6		
Napier,—		14 1 7	
Salary .. .. .	..	20 0 0	
Marokopa,—		10 0 0	
Salary .. .. .	..		
Tongaporutu,—			
Salary .. .. .	25 0 0		
Stores and contingencies .. .. .	12 1 10		
Mokau,—		37 1 10	
Salary .. .. .	..	60 0 0	
Awakino,—			
Salary .. .. .	20 0 0		
Stores and contingencies .. .. .	7 18 2		
Waitapu,—		27 18 2	
Salary .. .. .	25 0 0		
Stores and contingencies .. .. .	5 12 6		
Puponga,—		30 12 6	
Stores and contingencies .. .. .	..	5 8 8	
Collingwood,—			
Salary .. .. .	70 0 0		
Removing snags, &c. .. .. .	6 18 6		
Stores and contingencies .. .. .	26 0 7		
Karamea,—		102 19 1	
Salary .. .. .	145 0 0		
Shifting beacons, &c. .. .. .	13 19 0		
Stores and contingencies .. .. .	39 19 9		
Wages, Relieving Harbourmaster .. .. .	77 10 0		
Little Wanganui,—		276 8 9	
Piloting vessels .. .. .	..	13 0 0	
Hokitika,—			
Salary .. .. .	20 0 0		
Gas and contingencies .. .. .	15 13 10		
Repairs .. .. .	17 14 8		
Okarito,—		53 8 6	
Salary .. .. .	75 0 0		
Stores and contingencies .. .. .	24 19 6		
Okuru,—		90 19 6	
Salary .. .. .	60 0 0		
Stores and contingencies .. .. .	4 5 0		
Waikawa,—		64 5 0	
Salary .. .. .	..	10 0 0	
Angle Point,—			
Salary .. .. .	25 0 0		
Stores and contingencies .. .. .	11 2 2		
Supervision of beaches, Hauraki Gulf .. .. .	..	36 2 2	
General contingencies .. .. .	..	25 11 8	
Lighthouses:—		5 5 2	
Salaries .. .. .	10,050 8 3		
Oil, stores, and contingencies .. .. .	7,668 15 11		
Keepers' travelling-expenses .. .. .	824 4 6		
Salary of Lighthouse Expert .. .. .	300 0 0		
Automatic light for Jackson's Head .. .. .	295 6 7		
Meteorological Office:—		19,138 15 3	
Salaries .. .. .	1,247 3 11		
Cleaning offices .. .. .	29 4 0		
Extra clerical assistance .. .. .	23 7 6		
Inspection of stations .. .. .	28 0 9		
Postage, telegrams, rent of boxes .. .. .	1,326 11 8		

RETURN SHOWING THE TOTAL ORDINARY EXPENDITURE OF THE MARINE AND INSPECTION OF  
MACHINERY DEPARTMENT, ETC.—*continued.*

Nature of Expenditure.	Details.	Totals.	Grand Totals.
	£ s. d.	£ s. d.	£ s. d.
Meteorological Office— <i>continued.</i>			
Printing and stationery .. .. .	128 17 1		
Rent, office equipment, &c. .. .	144 2 6		
Repairs to instruments .. .. .	1 4 0		
Telephones .. .. .	49 16 9		
Weather messages by wireless .. .. .	100 0 0		
Purchase of instruments .. .. .	69 18 3		
Contingencies .. .. .	9 14 3	3,158 0 8	
Mercantile Marine Offices :—			
Salaries .. .. .	5,682 15 3		
Cleaning offices .. .. .	14 7 0		
Office equipment and rent .. .. .	243 14 10		
Maintaining launch for Wellington surveyors .. .. .	172 5 0		
Telephones .. .. .	106 12 5		
Travelling allowances and expenses .. .. .	143 0 1		
Contingencies .. .. .	11 5 3	6,373 19 10	
Inspection of Machinery and Survey of Ships :—			
Salaries .. .. .	10,479 16 10		
Advertising, books and periodicals .. .. .	41 4 6		
Collection of inspection fees .. .. .	150 0 0		
Rent, cleaning offices, &c. .. .. .	111 3 6		
Telephones .. .. .	103 8 1		
Travelling allowances and expenses .. .. .	3,358 10 4		
Contingencies .. .. .	72 17 0	14,317 0 3	
Protection of fish and oysters :—			
Salaries .. .. .	1,571 11 11		
Benzine, oil, stores, &c. .. .. .	379 6 3		
Casual labour .. .. .	180 5 10		
Collection and distribution of brown-trout ova .. .. .	116 18 8		
Hakataramea salmon-hatchery .. .. .	67 0 7		
Grant for maintenance of fish-hatchery at Portobello .. .. .	500 0 0		
Picking and sale of oysters .. .. .	4,111 10 3		
Planting oysters in Hauraki Gulf .. .. .	30 14 4		
Stocking a Westland and other rivers with salmon .. .. .	547 1 6		
Subsidy to Portobello Fish-hatchery for research work (£1 for £1) .. .. .	35 0 0		
Travelling allowances and expenses .. .. .	392 13 11		
Contingencies .. .. .	29 3 9	7,961 7 0	
Less miscellaneous credits .. .. .	..	59,439 15 5 656 6 1	58,783 9 4
Government steamers :—			
Special payment to R. Duncan, Chief Surveyor of Ships, for preparing plans and specifications of new steamer	50 0 0		
S.s. "Hinemoa" .. .. .	11,146 10 3		
Training-ship "Amokura" .. .. .	9,395 0 2		
Miscellaneous services :—			
Administration of the Shipping and Seamen Act, and inquiries into shipping casualties .. .. .	293 6 6		
Antarctic ship "Aurora," repairs, &c. .. .. .	21,377 2 7		
Jackson's Head beacon and Waitapu leading-lights .. .. .	76 0 9		
Carriage and freight .. .. .	79 1 6		
Checking overcrowding on steamers .. .. .	384 7 3		
Compensation to Piteaithly and Co. .. .. .	500 0 0		
Contribution to New Zealand Sailors' Room, England .. .. .	17 17 0		
Piako River leading-lights .. .. .	36 18 1		
Expenses connected with examinations .. .. .	6 3 3		
Extra clerical assistance .. .. .	210 1 10		
Fog-signals, cartridges, and maintenance .. .. .	143 12 7		
Gas and fuel for offices .. .. .	19 19 4		
"New Zealand Nautical Almanac" .. .. .	305 5 10		
Office equipment .. .. .	33 0 0		
Postage, telegrams, rent of boxes .. .. .	1,127 0 11		
Preparation of tide-tables .. .. .	550 0 0		
Printing and stationery .. .. .	851 13 9		
Relief of distressed seamen .. .. .	120 17 4		
Relief of distressed New Zealand seamen in United King- dom .. .. .	45 15 2		
Remission dues tug "Dunedin" .. .. .	2 7 3		
Subsidy for Whangaparapara East Wharf .. .. .	150 0 0		
Superannuation of R. C. Hunter, injured on "Tutanekai" .. .. .	90 0 0		
Survey of unseaworthy ships .. .. .	2 2 0		
Survey of site for fishermen's landing-place, Waikanae .. .. .	22 18 6		
Telephones .. .. .	54 10 0		
Travelling allowances and expenses .. .. .	25 13 9		
Contingencies .. .. .	54 3 7		
Prosecutions under Shipping, Harbours, and Fisheries Acts .. .. .	19 11 3		
Refund wages (A. McDonald) .. .. .	2 17 3	26,602 7 3 159 0 4	26,443 6 11
Less credits .. .. .	..		
Grand total .. .. .	..	..	£105,818 6 8

RETURN SHOWING TOTAL COST OF MAINTENANCE OF THE NEW ZEALAND COASTAL LIGHTHOUSES  
DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1917.

Name of Lighthouse.	Salaries.	Oil consumed.		Stores and Contingencies.	Totals.
		Gallons.	Value.		
	£ s. d.		£ s. d.	£ s. d.	£ s. d.
Cape Maria van Diemen .. .. .	363 17 0	745*	52 15 5	149 7 0	565 19 5
Cape Brett .. .. .	345 13 3	716*	50 14 4	277 2 6	673 10 1
Mokohinou .. .. .	365 8 0	884†	62 12 4	193 2 4	621 2 8
Tiritiri .. .. .	306 11 9	675*	47 16 3	(a)68 14 4	423 2 4
Cuvier Island .. .. .	358 1 3	695*	49 4 7	(b)272 15 10	680 1 8
East Cape .. .. .	326 15 9	912†	64 12 0	108 11 3	499 19 0
Portland Island .. .. .	390 11 0	726†	51 8 6	22 10 6	464 10 0
Castlepoint .. .. .	445 13 4	610*	43 4 2	77 15 4	566 12 10
Cape Palliser .. .. .	245 0 0	559*	39 11 11	134 17 7	419 9 6
Pencarrow Head .. .. .	276 11 2	722*	51 2 10	96 5 2	423 19 2
Somes Island .. .. .	245 0 0	818†	57 18 10	22 1 11	325 0 9
Cape Egmont .. .. .	260 16 8	726*	51 8 6	85 17 4	398 2 6
Manukau South Head .. .. .	221 14 2	740†	52 8 4	89 19 10	364 2 4
Manukau South Head leading-lights .. .. .		108	7 13 0		7 13 0
Kaipara Head .. .. .	232 19 8	540†	38 5 0	246 7 2	517 11 10
Brothers .. .. .	473 4 8	637*	45 2 5	323 9 3	841 16 4
Tory Channel leading-lights .. .. .	100 0 0	185†	13 2 1		113 2 1
Cape Campbell .. .. .	262 4 11	650*	46 0 10	(c)115 3 5	423 9 2
Godley Head .. .. .	287 7 3	793†	56 3 5	85 19 2	429 9 10
Akaroa Head .. .. .	240 5 5	509*	36 1 1	127 1 4	403 7 10
Jack's Point.. .. .	179 11 8	314*	22 4 10	(d)47 0 4	248 16 10
Moeraki .. .. .	246 17 6	566†	40 1 10	139 7 7	426 6 11
Taiaroa Head .. .. .	249 11 8	605†	42 17 1	70 1 1	362 9 10
Cape Saunders .. .. .	246 12 5	671*	47 10 7	164 19 0	459 2 0
Nugget Point .. .. .	365 2 5	859*	60 16 11	149 11 10	575 11 2
Waipapapa Point .. .. .	301 16 8	715*	50 12 11	19 2 7	371 12 2
Dog Island .. .. .	368 15 4	708†	50 3 0	66 3 2	485 1 6
Centre Island .. .. .	405 0 0	726*	51 8 6	(e)205 3 6	661 12 0
Puysegur Point .. .. .	325 3 7	750*	53 2 6	(f)339 16 10	718 2 11
Cape Foulwind .. .. .	290 8 4	{467† 220 }	48 13 3	98 1 0	437 2 7
Hokitika .. .. .	20 0 0	Gas	12 5 0		32 5 0
Kahurangi Point .. .. .	419 1 8	654*	46 6 6	(g)112 13 10	578 2 0
Farewell Spit .. .. .	399 12 8	673*	47 13 5	190 10 10	637 16 11
French Pass .. .. .	130 0 0	180†	12 15 0	31 11 5	174 6 5
Stephen Island .. .. .	466 15 1	745*	52 15 5	191 2 9	710 13 3
Totals .. .. .	10,162 4 3		1,556 12 7	4,322 7 0	16,041 3 10

\* Kerosene-oil.

† Paraffin-oil.

(a) Includes £31 8s. 6d. for new horse and harness. (b) Includes £104 4s. 6d. for repairing damage done by premature explosion of fog-signal. (c) Includes £20 for new horse. (d) Includes £24 for new horse. (e) Includes £49 14s. 2d. for new store. (f) Includes £200 for maintenance telephone-line. (g) Includes £77 for packing stores.

RETURN SHOWING NUMBER OF FISHING-BOATS REGISTERED AND LICENSED AT EACH PORT DURING  
THE YEAR ENDED 31ST DECEMBER, 1916.

Port.	Number registered.	Number licensed.	Port.	Number registered.	Number licensed.
Auckland .. .. .	284	284	Brought forward .. .. .	963	888
Bluff .. .. .	66	66	New Plymouth .. .. .	23	23
Chatham Islands .. .. .	20	20	Oamaru .. .. .	32	32
Dunedin .. .. .	92	92	Pictou .. .. .	22	22
Gisborne .. .. .	18	17	Russell .. .. .	47	47
Greymouth .. .. .	8	8	Tauranga .. .. .	13	13
Hokitika .. .. .	2	2	Thames .. .. .	49	48
Hokianga .. .. .	29	27	Timaru .. .. .	23	23
Invercargill .. .. .	45	42	Wairau .. .. .	12	7
Kaipara .. .. .	104	35	Wanganui .. .. .	15	15
Lyttelton .. .. .	158	158	Wellington .. .. .	84	84
Napier .. .. .	68	68	Westport .. .. .	18	18
Nelson .. .. .	69	69			
Carried forward .. .. .	963	888	Totals .. .. .	1,301	1,220

RETURN SHOWING THE COST OF ERECTION OF  
THE NEW ZEALAND COASTAL LIGHTHOUSES.

Name of Lighthouse.	Cost of Erection.
	£ s. d.
Pencarrow Head .. .. .	6,422 0 4
Nelson .. .. .	2,824 8 9
Tiritiri .. .. .	5,747 7 2
Mana Island* .. .. .	5,513 0 1
Taiaroa Head .. .. .	4,923 14 11
Godley Head .. .. .	4,705 16 4
Dog Island .. .. .	10,480 12 8
Farewell Spit .. .. .	6,139 11 8
Nugget Point .. .. .	6,597 3 7
Cape Campbell .. .. .	5,619 2 6
Manukau Head .. .. .	4,975 2 4
Cape Foulwind .. .. .	6,955 9 1
Brothers .. .. .	6,241 0 0
Portland Island .. .. .	6,554 14 5
Moeraki .. .. .	4,288 13 2
Centre Island .. .. .	5,785 19 0
Puysegur Point .. .. .	9,958 19 5
Cape Maria van Diemen .. .. .	7,028 14 8
Akaroa Head .. .. .	7,150 6 5
Cape Saunders .. .. .	6,066 6 3
Cape Egmont† .. .. .	3,353 17 11
Mokohinou .. .. .	8,186 5 0
Waipapapa Point .. .. .	5,969 18 11
Ponui Passage‡ .. .. .	.. .. .
Kaipara Head .. .. .	5,571 8 0
French Pass .. .. .	1,427 17 5
Cuvier Island .. .. .	7,406 16 11
Stephen Island .. .. .	9,349 9 11
Cape Palliser .. .. .	6,243 16 1
East Cape .. .. .	7,594 8 8
Kahurangi Point .. .. .	9,528 1 1
Jack's Point .. .. .	1,204 10 9
Cape Brett .. .. .	11,237 3 5
Castlepoint .. .. .	9,703 16 10
Chicken Island .. .. .	1,149 3 4
Channel Islet .. .. .	1,227 7 8
Karori Rock .. .. .	4,570 6 1
Okuri Point .. .. .	448 18 0
Cost of telegraph-cable to Tiritiri .. .. .	1,085 19 6
Miscellaneous and unallocated .. .. .	1,322 2 2
Total .. .. .	£220,559 10 5

\* 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, THE FISHERIES ACTS, THE INSPECTION  
OF MACHINERY ACTS, AND THE TRAMWAYS  
ACTS DURING THE FINANCIAL YEAR ENDED  
31ST MARCH, 1917.

Nature of Receipts.	Amount.
	£ s. d.
Shipping and Seamen Acts :—	
Fees for engagement and discharge of sea-	3,241 15 4
men, and sale of forms	
Surveys of steamers and sailing-vessels ..	3,033 15 0
Measurement of ships .. .. .	23 17 0
Examination of masters, mates, and	358 3 0
engineers	
Light dues .. .. .	32,790 13 9
Sundry receipts .. .. .	2,121 1 9
Merchant Shipping Act .. .. .	145 0 6
Harbours Acts :—	
Pilotage, port charges, &c. .. .. .	1,100 15 10
Foreshore rents, and sundry receipts ..	1,033 17 6
Fisheries Acts :—	
Sale of oysters .. .. .	5,691 17 6
Sundry receipts .. .. .	288 12 6
Inspection of Machinery Acts :—	
Inspection of boilers and machinery ..	11,707 0 0
Examination of engine-drivers .. .. .	411 5 0
Tramways Acts :—	
Examination of electric-tram drivers ..	119 0 0
Total .. .. .	62,066 14 8

RETURN SHOWING THE AMOUNT OF LIGHT DUES  
COLLECTED DURING THE FINANCIAL YEAR  
ENDED 31ST MARCH, 1917.

Port.	Amount collected.
	£ s. d.
Auckland .. .. .	14,453 10 9
Onehunga .. .. .	110 1 3
Whangarei .. .. .	479 7 0
Russell .. .. .	38 8 11
Mangonui .. .. .	0 2 10
Whangaroa .. .. .	11 9 10
Hokianga .. .. .	20 11 0
Whitianga .. .. .	16 19 3
Whangaparapara .. .. .	0 18 10
Thames .. .. .	69 5 9
Coromandel .. .. .	11 7 7
Kaipara .. .. .	78 12 5
Tauranga .. .. .	52 8 11
Poverty Bay .. .. .	509 12 6
Napier .. .. .	772 7 2
New Plymouth .. .. .	215 2 2
Waitara .. .. .	498 12 4
Patea .. .. .	18 4 11
Wanganui .. .. .	392 2 5
Wellington .. .. .	8,023 8 1
Wairau .. .. .	16 17 10
Picton .. .. .	291 10 5
Nelson .. .. .	440 18 11
Westport .. .. .	415 17 5
Greymouth .. .. .	331 3 10
Hokitika .. .. .	2 12 3
Lyttelton .. .. .	2,644 7 7
Timaru .. .. .	495 7 11
Oamaru .. .. .	122 4 5
Dunedin .. .. .	1,062 3 6
Bluff and Invercargill .. .. .	1,194 15 9
Total .. .. .	£32,790 13 9

RETURN SHOWING THE NUMBER OF SEAMEN ENGAGED AND DISCHARGED IN THE FOREIGN AND INTERCOLONIAL TRADE, THE HOME TRADE, AND WITHIN RESTRICTED LIMITS  
RESPECTIVELY, TOGETHER WITH THE AMOUNT OF FEES RECEIVED FOR THE SAME, DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1917.

Port.	Engagements and Discharges in Foreign and Intercolonial Trade.				Engagements and Discharges in Home Trade.				Engagements and Discharges in Restricted Limits.				Total Engagements.		Total Discharges.		Grand Totals.				
	Number of Seamen engaged.	£	s.	d.	Number of Seamen discharged.	£	s.	d.	Number of Seamen engaged.	£	s.	d.	Number of Seamen.	£	s.	d.	Number of Seamen.	£	s.	d.	
Auckland	1,740	126	19	0	1,581	115	2	0	3,205	210	2	6	480	28	19	0	5,425	366	0	6	
Dunedin and Port Chalmers	2,868	51	3	6	3,041	52	11	6	1,177	78	11	0	..	129	14	6	4,227	132	0	6	
Greymouth	85	6	7	6	80	6	0	0	220	15	12	0	..	21	19	6	227	15	13	6	
Hokitika	..	..	..	..	..	..	..	..	5	0	5	6	..	0	5	6	5	0	7	6	
Hokitika	..	..	..	..	..	..	..	..	4	0	6	0	..	0	6	0	4	0	6	0	
Invercargill	90	6	4	0	74	5	9	0	23	1	13	0	..	7	17	0	113	7	17	0	
Kaipara	22	1	13	0	11	0	16	6	29	1	10	6	..	3	3	6	51	3	3	6	
Lyttelton	421	30	9	6	420	30	1	6	1,384	98	8	6	59	3	10	6	1,805	128	18	0	
Napier..	42	3	1	6	45	3	6	0	295	15	10	6	..	22	5	6	396	22	5	6	
Nelson..	1	0	1	6	..	..	..	..	579	33	8	0	..	33	9	6	514	28	19	6	
New Plymouth	..	..	..	..	..	..	..	..	63	4	11	6	..	4	11	6	63	4	11	6	
Oamaru	4	0	6	0	7	0	10	6	19	1	5	6	..	23	1	1	23	1	1	0	
Onehunga	3	0	4	6	1	0	1	6	476	31	8	0	..	479	31	12	442	28	17	0	
Patea ..	..	..	..	..	..	..	..	..	26	1	19	0	..	26	1	19	0	14	0	11	6
Pictou ..	..	..	..	..	..	0	3	0	12	0	18	0	..	12	0	18	0	11	0	16	6
Poverty Bay	..	..	..	..	..	2	0	3	65	3	7	0	..	65	3	7	0	57	2	15	0
Russell	..	..	..	..	..	1	0	1	..	..	..	..	..	..	..	..	1	0	1	6	
Tauranga	..	..	..	..	..	..	..	..	1	0	1	6	..	..	..	..	1	0	1	6	
Thames	..	..	..	..	..	..	..	..	3	0	4	6	..	3	0	4	3	0	4	6	
Timaru	29	2	3	6	9	0	13	6	61	4	11	6	..	90	6	15	0	56	4	4	0
Wairau	..	..	..	..	..	..	..	..	56	2	12	0	..	56	2	12	0	51	2	6	0
Wanganui	10	0	15	0	9	0	10	6	81	5	11	0	..	91	6	6	0	109	6	7	6
Wellington	3,331	205	9	6	2,801	180	10	0	4,154	279	17	0	..	7,485	485	6	6	6,946	463	5	0
Westport	38	2	17	0	23	1	14	6	130	9	1	0	..	108	11	18	0	132	9	1	0
Whangarei	..	..	..	..	..	..	..	..	9	0	10	6	..	9	0	10	6	8	0	9	0
Whangaroa	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whangape	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitianga	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	8,684	437	15	0	8,107	397	14	6	12,077	801	5	6	539	32	12	6	21,300	1,271	13	0	
													534	32	2	0	20,500	1,211	9	6	
																	41,800	2,483	2	6	

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE  
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1917.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Henry Bayne .. .. .	Master .. .. .	Foreign trade ..	25/8/16	1269
George MacDonald .. .. .	" .. .. .	" .. .. .	5/2/17	1125
Donald McDonald .. .. .	" steam .. .. .	" .. .. .	8/8/16	1131
George Amos Herbert .. .. .	First mate .. .. .	" .. .. .	7/9/16	1213
Duncan Cameron MacDonald .. .. .	" .. .. .	" .. .. .	11/12/16	1205
William Aylward .. .. .	" .. .. .	" .. .. .	4/1/17	1242
David Frederick Smith .. .. .	" .. .. .	" .. .. .	5/2/17	1276
William John Keane .. .. .	" .. .. .	" .. .. .	28/2/17	1259
John Eric Bergquist .. .. .	" steam .. .. .	" .. .. .	31/8/16	1268
Edwin Hugh Fowler .. .. .	Second mate .. .. .	" .. .. .	12/6/16	1262
Leslie Gordon Liley .. .. .	" .. .. .	" .. .. .	3/7/16	1263
James Gaby .. .. .	" .. .. .	" .. .. .	7/7/16	1265
Walter Geoffrey Kelsey .. .. .	" .. .. .	" .. .. .	9/10/16	1273
Leonard William Crowe .. .. .	" .. .. .	" .. .. .	11/12/16	1274
Ernest Cyril Young .. .. .	" steam .. .. .	" .. .. .	8/5/16	1261
Thomas Oscar Stephens .. .. .	" .. .. .	" .. .. .	3/7/16	1264
John Ritchie .. .. .	" .. .. .	" .. .. .	21/7/16	1266
Francis Edward Frame .. .. .	" .. .. .	" .. .. .	8/8/16	1267
Peter Scott Isbister .. .. .	" .. .. .	" .. .. .	6/9/16	1270
Edward George Gordon Baker .. .. .	" .. .. .	" .. .. .	28/9/16	1271
Alexander Hutchinson Howie .. .. .	" .. .. .	" .. .. .	28/9/16	1272
John Gilbertson .. .. .	" .. .. .	" .. .. .	11/12/16	1275
Harry Aynsley Brockett .. .. .	" .. .. .	" .. .. .	12/2/17	1276A
Aubury Milton Lucas .. .. .	" .. .. .	" .. .. .	12/2/17	1277
Rewi Douglas Brebner .. .. .	" .. .. .	" .. .. .	12/2/17	1278
Henry Leslie Hay .. .. .	" .. .. .	" .. .. .	28/2/17	1279
Harold Raymond Young .. .. .	" .. .. .	" .. .. .	28/2/17	1280
John Williams .. .. .	Master .. .. .	Home trade .. ..	13/6/16	5822
James Douglas Bell .. .. .	" .. .. .	" .. .. .	3/7/16	5823
Hans Peter Sjolander Olson .. .. .	" .. .. .	" .. .. .	10/8/16	5570
John McAllan Eadie .. .. .	" .. .. .	" .. .. .	4/9/16	5827
Robert Allan Roff .. .. .	" .. .. .	" .. .. .	27/9/16	5761
Stephen Thoms .. .. .	" .. .. .	" .. .. .	31/10/16	5833
Reuben Neels .. .. .	Mate .. .. .	" .. .. .	8/5/16	5818
Alexander Cowie .. .. .	" .. .. .	" .. .. .	8/5/16	5819
David Norman McLeish .. .. .	" .. .. .	" .. .. .	31/5/16	5820
Samuel Cottam .. .. .	" .. .. .	" .. .. .	12/6/16	5821
Charles Burgess .. .. .	" .. .. .	" .. .. .	7/7/16	5824
John Glynn Hopkins .. .. .	" .. .. .	" .. .. .	21/7/16	5825
Edward Binney Laing .. .. .	" .. .. .	" .. .. .	22/8/16	5826
Francis George Mabb .. .. .	" .. .. .	" .. .. .	6/9/16	5828
Ernest Frank Stearne .. .. .	" .. .. .	" .. .. .	28/9/16	5829
Ernest Milner .. .. .	" .. .. .	" .. .. .	9/10/16	5830
Alfred Nelson .. .. .	" .. .. .	" .. .. .	9/10/16	5831
Bernard John O'Donnell .. .. .	" .. .. .	" .. .. .	31/10/16	5832
William Watts Rayner .. .. .	" .. .. .	" .. .. .	4/1/17	5834
Alec James Jackson .. .. .	" .. .. .	" .. .. .	5/2/17	5835
Charles Dempster .. .. .	" .. .. .	" .. .. .	5/2/17	5836
James Watkins .. .. .	Master .. .. .	River steamer .. ..	8/5/16	3697
Frederick William Hyder .. .. .	" .. .. .	" .. .. .	31/5/16	3698
John William Gower .. .. .	" .. .. .	" .. .. .	31/5/16	3699
Ernest Dunning .. .. .	" .. .. .	" .. .. .	31/5/16	3700
Robert Cairns Lee .. .. .	" .. .. .	" .. .. .	12/6/16	3701
Samuel Cottam .. .. .	" .. .. .	" .. .. .	12/6/16	3702
Francis Patrick Boyd .. .. .	" .. .. .	" .. .. .	5/7/16	3703
Thomas Hanley Frazer .. .. .	" .. .. .	" .. .. .	4/8/16	3704
John MacDonald .. .. .	" .. .. .	" .. .. .	8/8/16	3705
William G. Idard Gordon .. .. .	" .. .. .	" .. .. .	22/8/16	3706
Thomas James Barnes .. .. .	" .. .. .	" .. .. .	28/9/16	3707
Thomas Munro .. .. .	" .. .. .	" .. .. .	14/11/16	3708
George Edward Ashby .. .. .	" .. .. .	" .. .. .	4/1/17	3709
William James Tanner .. .. .	" .. .. .	" .. .. .	4/1/17	3710
John Adamson Knarston .. .. .	" .. .. .	" .. .. .	4/1/17	3711
Thomas Alfred Lynch .. .. .	" .. .. .	" .. .. .	9/2/17	3712
James Neil McPherson Stewart .. .. .	" .. .. .	Fishing-boat or cargo- vessel under 25 tons register .. .. .	13/6/16	77
Peter Baron .. .. .	" .. .. .	Ditto .. .. .	8/12/16	78
Reginald Eton Collins .. .. .	" .. .. .	" .. .. .	8/12/16	79
Frank Mowatt .. .. .	1st-class engineer .. .. .	Foreign trade .. ..	13/4/16	1348
John Arthur Owen .. .. .	" .. .. .	" .. .. .	13/4/16	1872
Alexander Ledingham Smith Cassie .. .. .	" .. .. .	" .. .. .	12/6/16	1438
Francis Patrick Hendron .. .. .	" .. .. .	" .. .. .	20/6/16	1242
William Henry Young .. .. .	" .. .. .	" .. .. .	21/7/16	1300
David Penman .. .. .	" .. .. .	" .. .. .	21/7/16	1293
Bertram William Gandell .. .. .	" .. .. .	" .. .. .	8/8/16	1341
Edward James Protheroe .. .. .	" .. .. .	" .. .. .	11/9/16	1911
Joseph Frank McPherson .. .. .	" .. .. .	" .. .. .	9/10/16	1121
Alexander Gilchrist Kyle .. .. .	" .. .. .	" .. .. .	9/10/16	1338
William McKenzie .. .. .	" .. .. .	" .. .. .	11/12/16	1931
Reginald Aubrey Lewis .. .. .	" .. .. .	" .. .. .	11/12/16	1260
Thomas Nixon .. .. .	" .. .. .	" .. .. .	11/12/16	1932
John Gray .. .. .	" .. .. .	" .. .. .	9/2/17	1942



RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE  
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1917—*continued.*

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Augustus Wentworth Johnson .. ..	1st-class engineer ..	Foreign trade ..	9/3/17	1464
Reginald Gordon Houghton .. ..	" ..	" ..	9/3/17	1456
David William Shields Ross .. ..	" ..	" ..	9/3/17	908A
Norman Rivers Kitching .. ..	2nd-class engineer ..	" ..	13/4/16	1553
Morris de Camp Ranson .. ..	" ..	" ..	13/4/16	1517
James John Minchan .. ..	" ..	" ..	8/5/16	1568
Donald David Matheson .. ..	" ..	" ..	7/7/16	1514
John Edward Bish .. ..	" ..	" ..	21/7/16	1693
William Thomas Robertson .. ..	" ..	" ..	21/7/16	1732
Edward William Scott .. ..	" ..	" ..	8/8/16	1513
William Foster .. ..	" ..	" ..	11/9/16	1163
William Frank Pegler .. ..	" ..	" ..	11/9/16	1530
William Harold Fuller .. ..	" ..	" ..	9/10/16	1709
Alexander Ross .. ..	" ..	" ..	14/11/16	833
Campbell McVicar .. ..	" ..	" ..	14/11/16	1763
Oswald Robert Cozens .. ..	" ..	" ..	11/12/16	1362
Frank Furneaux .. ..	" ..	" ..	11/12/16	1720
Charles Botting .. ..	" ..	" ..	9/2/17	1774
Thomas Flower Stuart Scott .. ..	" ..	" ..	9/3/17	1803
George Henry Stevens .. ..	3rd-class engineer ..	" ..	13/4/16	1867
Leslie Clifford Tomlinson .. ..	" ..	" ..	13/4/16	1808
George Cunninghame .. ..	" ..	" ..	13/4/16	1869
Rowland Eyre Hayward .. ..	" ..	" ..	13/4/16	1870
Francis Herbert McMaster .. ..	" ..	" ..	13/4/16	1871
Thomas Campbell .. ..	" ..	" ..	8/5/16	1873
Fero Charles Musker .. ..	" ..	" ..	10/5/16	1874
John Linton Hedges .. ..	" ..	" ..	10/5/16	1875
Bertie Mervyn Haddock .. ..	" ..	" ..	10/5/16	1876
William George Griffiths .. ..	" ..	" ..	31/5/16	1877
Maurice Hamor Mayo .. ..	" ..	" ..	12/6/16	1878
Cecil Joseph Gasquoine .. ..	" ..	" ..	12/6/16	1879
Norman Howard Lusty .. ..	" ..	" ..	12/6/16	1880
Robert Lewis Sweet .. ..	" ..	" ..	12/6/16	1881
Ray Constable Sinclair .. ..	" ..	" ..	12/6/16	1882
John Patrick Baxter .. ..	" ..	" ..	6/7/16	1883
John Roland Hanlon .. ..	" ..	" ..	7/7/16	1884
Charles Albert Hynes .. ..	" ..	" ..	25/7/16	1068
William George Easterbrook .. ..	" ..	" ..	4/8/16	1885
Norman McLeod Scrimgeour .. ..	" ..	" ..	4/8/16	1886
Thomas Francis Doyle .. ..	" ..	" ..	4/8/16	1887
Henry Charles Rasmussen .. ..	" ..	" ..	8/8/16	1888
Alexander John Donn .. ..	" ..	" ..	8/8/16	1889
Joseph Mawson Tait .. ..	" ..	" ..	8/8/16	1890
John Rishworth .. ..	" ..	" ..	8/8/16	1891
Simon John Macdonald .. ..	" ..	" ..	8/8/16	1892
William Henry Stewart .. ..	" ..	" ..	8/8/16	1893
James Lewis Henderson .. ..	" ..	" ..	8/8/16	1894
Sidney Desford Gray .. ..	" ..	" ..	8/8/16	1895
Hubert Patrick Aloysius Sweeney .. ..	" ..	" ..	8/8/16	1896
Albert Edward Andrews .. ..	" ..	" ..	8/8/16	1897
George Boeson .. ..	" ..	" ..	8/8/16	1898
Gilbert Fraser Brialey .. ..	" ..	" ..	8/8/16	1899
Percy Mason .. ..	" ..	" ..	10/8/16	1900
Frederick John Andrew Annan .. ..	" ..	" ..	21/8/16	1901
Wardill Allan .. ..	" ..	" ..	7/9/16	1902
Horace William Harkess .. ..	" ..	" ..	7/9/16	1903
William Henry Lucas .. ..	" ..	" ..	7/9/16	1904
John Nicolson .. ..	" ..	" ..	7/9/16	1905
Walter Vincent Stringer .. ..	" ..	" ..	7/9/16	1906
Robert Gilmour .. ..	" ..	" ..	7/9/16	1907
Norman Bailes .. ..	" ..	" ..	7/9/16	1908
Edward John Rixon .. ..	" ..	" ..	7/9/16	1909
Frederick Truby King Gaw .. ..	" ..	" ..	7/9/16	1910
Robert Charles Stewart .. ..	" ..	" ..	9/10/16	1912
George Lindsay .. ..	" ..	" ..	9/10/16	1913
Archibald Wallace Stables .. ..	" ..	" ..	9/10/16	1914
Arthur Ashley Silcock .. ..	" ..	" ..	9/10/16	1915
Robert Lawson Penny .. ..	" ..	" ..	10/10/16	1916
Gerald Dudley Hill .. ..	" ..	" ..	25/10/16	1917
Henry Eric Clark .. ..	" ..	" ..	14/11/16	1918
Charles Henry Newman .. ..	" ..	" ..	14/11/16	1919
Samuel Tanner .. ..	" ..	" ..	14/11/16	1920
Norman Campbell Byrne .. ..	" ..	" ..	14/11/16	1921
James Thorn Henderson .. ..	" ..	" ..	14/11/16	1922
James Cody Deer .. ..	" ..	" ..	11/12/16	1923
Alfred Jules Ferdinand Smith .. ..	" ..	" ..	11/12/16	1924
Robert McAdam Moffat .. ..	" ..	" ..	12/12/16	1925
James Henry Sutherland .. ..	" ..	" ..	11/12/16	1926
Leslie Robert McCaskey .. ..	" ..	" ..	11/12/16	1927
Albert Leonard Parrant .. ..	" ..	" ..	11/12/16	1928
John Jeromson .. ..	" ..	" ..	11/12/16	1929
Oswald Allen .. ..	" ..	" ..	11/12/16	1930

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE  
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1917—*continued*.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Walter Dickson .. .. .	3rd-class engineer ..	Foreign trade ..	9/1/17	1933
Albert Linton Stone .. .. .	" ..	" ..	9/1/17	1934
Thomas Loftus Jones .. .. .	" ..	" ..	9/1/17	1935
Walter Scott .. .. .	" ..	" ..	9/2/17	1936
Gerald Holliday Bettany .. .. .	" ..	" ..	9/2/17	1937
Philip Michael Lennon .. .. .	" ..	" ..	9/2/17	1938
Francis Salder Martin .. .. .	" ..	" ..	9/2/17	1939
Douglas Howlett .. .. .	" ..	" ..	9/2/17	1940
William Clarence Murray .. .. .	" ..	" ..	9/2/17	1941
Herbert Leslie Thompson .. .. .	" ..	" ..	9/3/17	1943
John Hutton .. .. .	" ..	" ..	9/3/17	1944
Robert Angus Cowley .. .. .	" ..	" ..	9/3/17	1945
John Jones .. .. .	Engineer ..	River trade ..	10/5/16	2254
Frank McKillop .. .. .	" ..	" ..	3/7/16	2255
William McArthur .. .. .	" ..	" ..	8/8/16	2256
William Hathaway .. .. .	" ..	" ..	8/8/16	2257
Alexander Moncur Sommerville .. .. .	" ..	" ..	11/9/16	2258
Andrew Robert Thompson .. .. .	" ..	" ..	9/10/16	2259
George Gillanders .. .. .	" ..	" ..	9/10/16	2260
Carl Adolphus Schmidt .. .. .	" ..	" ..	9/10/16	2261
Alec Axel Nelson-Thyberg .. .. .	" ..	" ..	15/11/16	2262
Charles Elliott Lavers .. .. .	" ..	" ..	15/11/16	2263
Eric Howard Tarlton .. .. .	" ..	" ..	11/12/16	2264
James Wright .. .. .	" ..	" ..	4/1/17	2265
William Robertson Fleming .. .. .	" ..	" ..	9/3/17	2266
Arthur Ernest Insley .. .. .	" ..	" ..	9/3/17	2267
John Murphy .. .. .	Marine-engine driver ..	" ..	9/1/17	158
Chalmers William Thomson .. .. .	1st-class oil engineer ..	Seagoing ..	13/4/16	256
Thomas Newbegin Johnson .. .. .	" ..	" ..	13/4/16	257
Richard Blundell .. .. .	" ..	" ..	10/5/16	206
Ray Constable Sinclair .. .. .	" ..	" ..	12/6/16	258
Malcolm Allan Gray .. .. .	" ..	" ..	12/6/16	259
William Brew Lawson .. .. .	" ..	" ..	7/7/16	261
Ernest Edward Jones .. .. .	" ..	" ..	7/9/16	263
William Ullrich .. .. .	" ..	" ..	14/11/16	266
Samuel Tanner .. .. .	" ..	" ..	15/11/16	267
Frank Colebourne .. .. .	" ..	" ..	15/11/16	268
Ferris Farrar Dale .. .. .	" ..	" ..	11/12/16	271
John Hall .. .. .	" ..	" ..	11/12/16	272
Nakum Seth Cassrels .. .. .	" ..	" ..	9/2/17	273
Walter Rowland Cole .. .. .	2nd-class oil engineer ..	" ..	12/6/16	260
Robert Savage .. .. .	" ..	" ..	21/7/16	262
Edward Percy Earle .. .. .	" ..	" ..	11/9/16	264
William Henry Taggart .. .. .	" ..	" ..	31/10/16	265
Charles Huddell Chavannes .. .. .	" ..	" ..	11/12/16	269
Thomas Albert Carr .. .. .	" ..	" ..	11/12/16	270
James Anderson Hardie .. .. .	River oil engineer ..	River trade ..	13/4/16	613
Arthur James Leslie McCauley .. .. .	" ..	" ..	13/4/16	614
Frank Edgar Hayward .. .. .	" ..	" ..	8/5/16	615
Kate Hayward .. .. .	" ..	" ..	8/5/16	616
Thomas Cassidy .. .. .	" ..	" ..	8/5/16	617
Arthur Sturge Blundell .. .. .	" ..	" ..	8/5/16	618
Cecil Martin Cobbald .. .. .	" ..	" ..	8/5/16	619
William John Francis Constable .. .. .	" ..	" ..	8/5/16	620
Ralph Cecil Tucker .. .. .	" ..	" ..	8/5/16	621
Ernest Lionel Levert .. .. .	" ..	" ..	8/5/16	622
Henry Watling Williams .. .. .	" ..	" ..	8/5/16	623
William Gildard Gordon .. .. .	" ..	" ..	8/5/16	624
William Joseph White .. .. .	" ..	" ..	8/5/16	625
William George Wilson .. .. .	" ..	" ..	8/5/16	626
John Arthur Shields .. .. .	" ..	" ..	8/5/16	627
Herbert James Arthur Duke .. .. .	" ..	" ..	8/5/16	628
Murdoch McLennan .. .. .	" ..	" ..	8/5/16	629
Clifford Edward Grey .. .. .	" ..	" ..	10/5/16	630
Edward Garfield Williams .. .. .	" ..	" ..	10/5/16	631
Joshua George Vazey .. .. .	" ..	" ..	10/5/16	632
Wilden Graham Bryan .. .. .	" ..	" ..	10/5/16	633
Francis Pleasant .. .. .	" ..	" ..	10/5/16	634
James Gerald Evans .. .. .	" ..	" ..	10/5/16	635
Charles Alan McCarthy .. .. .	" ..	" ..	10/5/16	636
James Halliday .. .. .	" ..	" ..	31/5/16	637
George Trevor Robson .. .. .	" ..	" ..	31/5/16	638
George Christian Hansen .. .. .	" ..	" ..	31/5/16	639
Alfred Roy Wrigley .. .. .	" ..	" ..	31/5/16	640
Esrie William Noble .. .. .	" ..	" ..	31/5/16	641
Arthur Leopold Mence .. .. .	" ..	" ..	12/6/16	642
John Walter Glennie .. .. .	" ..	" ..	12/6/16	643
Claude Harry Bilderbeck .. .. .	" ..	" ..	3/7/16	644
George Colmer .. .. .	" ..	" ..	5/7/16	645
Sidney David Turner .. .. .	" ..	" ..	5/7/16	646
Cecil James Morgan .. .. .	" ..	" ..	5/7/16	647
Francis Olof Ericson .. .. .	" ..	" ..	7/7/16	648
Edward Harold Sidney Martin Smith .. .. .	" ..	" ..	7/7/16	649

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE  
ISSUED DURING THE YEAR ENDED 31st MARCH, 1917—*continued*.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Walter Robert Cave .. .. .	River oil engineer ..	River trade ..	21/7/16	650
Charles Conrad Scott .. .. .	" ..	" ..	21/7/16	651
Royal Stafford Stewart .. .. .	" ..	" ..	21/7/16	652
James Sinclair Shirley .. .. .	" ..	" ..	21/7/16	653
William Clark .. .. .	" ..	" ..	21/7/16	654
Robert Benjamin Sheather .. .. .	" ..	" ..	21/7/16	655
Arthur Petherbridge .. .. .	" ..	" ..	28/7/16	656
Frederick Clifton McLean .. .. .	" ..	" ..	4/8/16	657
Noel Cole .. .. .	" ..	" ..	4/8/16	658
Henry Samuel Evans .. .. .	" ..	" ..	4/8/16	659
George Francis McAloney .. .. .	" ..	" ..	4/8/16	660
Raymond Knewstubb .. .. .	" ..	" ..	8/8/16	661
Alfred Lawrence Galvan .. .. .	" ..	" ..	8/8/16	662
Maurice Hope .. .. .	" ..	" ..	21/8/16	663
Joseph Ferguson .. .. .	" ..	" ..	7/9/16	664
Nicolai Danneford Brownlee .. .. .	" ..	" ..	7/9/16	665
Francis Archibald Spencer .. .. .	" ..	" ..	7/9/16	666
William George Charlton .. .. .	" ..	" ..	7/9/16	667
John Kelsey .. .. .	" ..	" ..	7/9/16	668
Edwin William Carr .. .. .	" ..	" ..	7/9/16	669
Joshua Thomas Harris .. .. .	" ..	" ..	7/9/16	670
Victor Roy Skinner .. .. .	" ..	" ..	7/9/16	671
Henry Walter Cockerill .. .. .	" ..	" ..	7/9/16	672
William Henry James Oliver .. .. .	" ..	" ..	7/9/16	673
William Pritchard .. .. .	" ..	" ..	7/9/16	674
Norman Carr-Rollett .. .. .	" ..	" ..	7/9/16	675
Derick Carr-Rollett .. .. .	" ..	" ..	11/9/16	676
Henry Lionel Elder .. .. .	" ..	" ..	28/9/16	677
Charles Sturt Gilbert Boulton .. .. .	" ..	" ..	9/10/16	678
Robert Benson .. .. .	" ..	" ..	9/10/16	679
Horace Tomkies .. .. .	" ..	" ..	25/10/16	680
Robert Percival Holland .. .. .	" ..	" ..	25/10/16	681
Charles William Neal .. .. .	" ..	" ..	1/11/16	682
William Frederick Laird .. .. .	" ..	" ..	1/11/16	683
Barney Pitman .. .. .	" ..	" ..	14/11/16	684
Joseph Peter Antinovich .. .. .	" ..	" ..	14/11/16	685
William Henry Arnold .. .. .	" ..	" ..	11/12/16	686
Martin Hermansen .. .. .	" ..	" ..	11/12/16	687
James Coutts Dallas .. .. .	" ..	" ..	11/12/16	688
Eric Howard Tarlton .. .. .	" ..	" ..	11/12/16	689
Frederick William Alfred Gardiner .. .. .	" ..	" ..	4/1/17	690
Ernest Benjamin Jagger .. .. .	" ..	" ..	4/1/17	691
Sidney George Sankey .. .. .	" ..	" ..	4/1/17	692
Eileen Ryan .. .. .	" ..	" ..	9/1/17	693
Kenneth Hubert Brown .. .. .	" ..	" ..	9/1/17	694
Henry Hartley Hargreaves .. .. .	" ..	" ..	9/1/17	695
James Sutherland .. .. .	" ..	" ..	9/1/17	696
George Hammond .. .. .	" ..	" ..	9/2/17	697
Mathew Thomas Henry Steele .. .. .	" ..	" ..	9/2/17	698
William Frederick Burgess .. .. .	" ..	" ..	9/2/17	699
Charles Woods .. .. .	" ..	" ..	9/2/17	700
James John Pegley .. .. .	" ..	" ..	9/2/17	701
Huki Taui Wetere .. .. .	" ..	" ..	9/2/17	702
Walter Percy Neame .. .. .	" ..	" ..	9/2/17	703
Louis Allan McNabb .. .. .	" ..	" ..	12/2/17	704
Edward James McAuley .. .. .	" ..	" ..	28/2/17	705
William Robertson Eadie .. .. .	" ..	" ..	1/3/17	706
Winifred Violet Mable Burt .. .. .	" ..	" ..	9/3/17	707
Ernest McLean .. .. .	" ..	" ..	9/3/17	708
Josiah Worsnop .. .. .	" ..	" ..	9/3/17	709

RETURN SHOWING THE NUMBER OF MASTERS', MATES', AND ENGINEERS' EXAMINATIONS IN NEW ZEALAND DURING THE YEAR ENDED 31ST MARCH, 1917, SHOWING THE NUMBER OF SUCCESSFUL AND UNSUCCESSFUL CANDIDATES.

Class of Certificate.	Auckland.			Wellington.			Lyttelton.			Dunedin.			Other Places.			Totals.		
	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.	Passed.	Failed.	Total.
Foreign-going masters and mates	8	14	22	12	12	24	6	5	11	3	2	5	..	..	..	29	33	62
Home-trade masters and mates	10	4	14	8	4	12	2	2	4	1	..	1	..	..	..	21	10	31
River-steamer masters ..	7	1	8	2	2	4	..	..	..	3	..	3	5	..	5	17	3	20
Master, fishing-boat or cargo-vessel under 25 tons register	3	3	6	..	..	..	..	..	..	..	..	..	..	..	..	3	3	6
Seagoing engineers (steam)	17	3	20	36	1	37	19	3	22	23	..	23	10	1	11	105	8	113
River-steamer engineers ..	4	3	7	4	3	7	1	..	1	..	..	..	7	..	7	16	6	22
Marine-engine drivers ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Seagoing engineers (mechanical power other than steam)	7	7	14	3	..	3	1	1	2	2	..	2	7	1	8	20	9	29
River engineers (mechanical power other than steam)	46	1	47	6	..	6	2	..	2	2	..	2	43	7	50	99	8	107
Totals ..	103	36	139	71	22	93	31	11	42	34	2	36	72	9	81	311	80	391

RETURN OF CERTIFICATES OF EXEMPTION FROM EXAMINATION AS THIRD-CLASS ENGINEERS ISSUED DURING THE YEAR ENDED 31ST MARCH, 1917.

Date of Issue.	Name.	Date of Issue.	Name.
August 1, 1916 ..	Charles William Burgess.	March 7, 1917 ..	Roger Richard Sullivan.
December 9, 1916 ..	Augustus Syron.		

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, 1917.

No. of License.	Date of Issue.	Name of Licensee.	Port of Residence.	Date of Expiry of License.
43	Oct. 13, 1916	Felix Black .. .. .	Wellington	Oct. 8, 1917.
44	July 29, "	Charles McArthur .. ..	"	July 29, 1917.
47	Oct. 10, "	Richard Edward Smith ..	Auckland	Oct. 30, 1917.
49	Nov. 25, "	William Andrew Smith ..	Wellington	Jan. 19, 1918.
50	April 14, "	William John McLean Tait ..	"	April 14, 1917.
51	Sept. 4, "	George Lambert .. .. .	"	Aug. 31, 1917.

RETURN OF LICENSED ADJUSTERS OF COMPASSES IN NEW ZEALAND.

Date of Issue.	Name of Licensee.	Address.
April 9, 1896 ..	Frederick Macbeth .. ..	Dunedin.
May 15, " ..	Robert Strang .. .. .	"
" 5, " ..	George Urquhart Thomson ..	"
April 27, 1897 ..	Frederick William Cox ..	Nelson.
May 27, " ..	Thomas Fernandez .. ..	Auckland.
Sept. 1, " ..	Arthur G. Gifford .. ..	Wellington.
Aug. 13, 1898 ..	Herbert John Richardson ..	"
April 26, 1899 ..	Robert Heddleston Neville ..	"
June 26, 1900 ..	Charles Frederick Sundstrum ..	Dunedin.
July 27, " ..	John Adamson .. .. .	Auckland.
Nov. 27, " ..	Thomas Basire .. .. .	Port Chalmers.
Mar. 27, 1903 ..	George Samuel Hooper .. ..	Wellington.
Oct. 19, " ..	John McLennon McKenzie ..	"
Nov. 1, 1906 ..	Frederick Pryce Evans .. ..	Dunedin.
Feb. 6, 1907 ..	David Todd .. .. .	"
" 22, 1909 ..	Norman Macdonald .. ..	Bluff.
May 28, " ..	Charles Cornelius Plunket ..	Auckland.
Oct. 23, " ..	Robert Crawford .. .. .	Wellington.
June 19, 1911 ..	Frederic George Cooper .. ..	"
Nov. 16, " ..	Major William Solloway Lane ..	Totara North.
" 3, 1913 ..	Cesar Anthony Colonna .. ..	Christchurch.
" 27, 1914 ..	John Jonathan Elven .. ..	"
Feb. 10, 1915 ..	Richard Chamberlain Harbord ..	Bluff.

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, 1915; OF THOSE ADDED TO AND DEDUCTED FROM THE REGISTER DURING THE YEAR 1916; AND OF THOSE REMAINING ON THE REGISTER ON THE 31ST DECEMBER, 1916.

	Sailing-vessels.			Steam-vessels.			Totals.		
	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.
Upon the Register on the 31st December, 1915 .. .. .	196	23,546	21,762	385	126,549	71,695	581	150,095	93,457
Added to the Register,—									
Vessels registered for the first time—									
Built at ports in United Kingdom	..	..	..	..	..	..	..	..	..
Built at ports in British possessions abroad .. .. .	..	..	..	5	276	97	5	276	97
Purchased from foreigners .. .. .	..	..	..	..	..	..	..	..	..
Vessels transferred from ports in the United Kingdom .. .. .	..	..	..	..	..	..	..	..	..
Vessels transferred from ports in British possessions abroad .. .. .	1	149	142	3	759	366	4	908	508
Vessels registered <i>de novo</i> .. .. .	..	..	..	4	225	127	4	225	127
Other vessels .. .. .	1	856	794	..	..	..	1	856	794
Tonnage added without re-registration .. .. .	..	12	11	..	43	31	..	55	42
Total added .. .. .	2	1,017	947	12	1,303	621	14	2,320	1,568
Deducted from the Register,—									
Vessels wrecked or otherwise lost .. .. .	1	78	77	3	653	308	4	731	385
Vessels broken up, decayed, &c. .. .. .	..	..	..	..	..	..	..	..	..
Vessels converted into hulks, &c. .. .. .	1	234	222	..	..	..	1	234	222
Vessels transferred to ports in the United Kingdom .. .. .	..	..	..	..	..	..	..	..	..
Vessels transferred to ports in British possessions .. .. .	1	350	324	2	228	140	3	578	464
Vessels registered <i>de novo</i> .. .. .	4	220	202	..	..	..	4	220	202
Tonnage deducted without re-registration .. .. .	..	..	14	..	59	132	..	59	146
Errors in Registrar's returns .. .. .	..	..	..	..	..	..	..	..	..
Other vessels .. .. .	1	17	17	2	2,079	1,294	3	2,096	1,311
Total deducted .. .. .	8	899	856	7	3,019	1,874	15	3,918	2,730
Remaining on the Register on the 31st December, 1916 .. .. .	190	23,664	21,853	390	124,833	70,442	580	148,497	92,295

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, 1916.

Ports.	Sailing-vessels.			Steam-vessels.			Totals.		
	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.
Auckland .. .. .	132	8,006	6,881	206	23,263	12,273	338	31,269	19,154
Napier .. .. .	4	266	253	29	3,743	2,205	33	4,009	2,458
Wellington .. .. .	13	3,161	2,886	39	11,426	5,791	52	14,587	8,677
Nelson .. .. .	7	189	152	14	2,735	1,304	21	2,924	1,456
Lyttelton .. .. .	13	3,805	3,707	20	6,533	3,081	33	10,338	6,788
Timaru .. .. .	1	733	690	1	942	488	2	1,675	1,178
Dunedin .. .. .	18	7,132	6,940	69	74,929	44,702	87	82,061	51,642
Invercargill .. .. .	2	372	344	12	1,262	598	14	1,634	942
Totals .. .. .	190	23,664	21,853	390	124,833	70,442	580	148,497	92,295



## 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	1'	White .. ..	Timber	Timber	Mar. 24, 1879.
Cape Brett	1st order dioptric	Fixed ..	..	Red, to show over Columbia Reef	Iron ..	"	Feb. 21, 1910.
Mokohinou	1st	Group flashing	10"	" .. ..	Stone	"	June 18, 1883.
Chicken Island (Marotiri)	Acetone-acetylene (unwatched)	"	$\frac{1}{2}$ " fl. $3\frac{1}{2}$ " ecl.	" .. ..	Iron ..	..	April 28, 1913.
Tiritiri	2nd order dioptric	Fixed ..	..	White, with red arc over Flat Rock	" ..	Timber	Jan. 1, 1865.
Channel Island	Acetone-acetylene (unwatched)	Flashing	$\frac{1}{2}$ " fl. $2$ " ecl. $\frac{1}{2}$ " fl. $10$ " ecl.	White .. ..	" ..	..	Feb. 11, 1915.
Ponui Passage	5th order dioptric	"	$\frac{1}{2}$ " fl. $1\frac{1}{2}$ " ecl.	White and red ..	Timber	Timber	July 29, 1871.
Cuvier Island	1st	Revolving	30"	White .. ..	Iron ..	"	Sept. 22, 1889.
East Cape	2nd	Flashing	10"	" .. ..	" ..	"	Aug. 9, 1900.
Portland Island	2nd	Revolving	30"	" .. ..	" ..	"	"
Castlepoint	2nd order dioptric	Fixed ..	..	Red, to show over Bull Rock	Timber	"	Feb. 10, 1878.
Cape Palliser	2nd	Group flashing	†	White .. ..	Iron ..	"	Jan. 12, 1913.
Pencarrow Head	2nd	Revolving	†	" .. ..	" ..	"	Oct. 27, 1897.
Cape Egmont	2nd	Fixed ..	..	" .. ..	" ..	"	Jan. 1, 1859.
Manukau Head	2nd	" ..	..	" .. ..	" ..	"	Aug. 1, 1881.
Kaipara Head	3rd	" ..	..	" .. ..	Timber	"	Sept. 1, 1874.
Brothers	2nd	Flashing	10"	" .. ..	"	"	Dec. 1, 1884.
	2nd	" ..	10"	" .. ..	"	"	"
	..	Fixed ..	..	Red, to show over Cook Rock	"	"	Sept. 24, 1877.
Cape Campbell	2nd order dioptric	Revolving	1'	White .. ..	Iron ..	"	Aug. 1, 1870.
Godley Head	2nd	Fixed ..	..	" .. ..	Stone	Stone	April 1, 1865.
Akaroa Head	2nd	Flashing	10"	" .. ..	Timber	Timber	Jan. 1, 1880.
Jack's Point	4th	Fixed ..	..	" .. ..	Iron ..	Stone	July 1, 1904.
Moeraki	3rd	" ..	..	" .. ..	Timber	"	April 22, 1878.
Taiaroa Head	3rd	" ..	..	Red .. ..	Stone & timber	"	Jan. 2, 1865.
Cape Saunders	2nd	Revolving	1'	White .. ..	Timber	Timber	Jan. 1, 1880.
Nugget Point	1st	Fixed ..	..	" .. ..	Stone	"	July 4, 1870.
Waipapapa Point	2nd	Flashing	10"	" .. ..	Timber	"	Jan. 1, 1884.
Dog Island	1st order catadioptric	Revolving	30"	" .. ..	Stone	Stone	Aug. 1, 1865.
Centre Island	1st order dioptric	Fixed ..	..	White, with red arcs over inshore dangers	Timber	Timber	Sept. 16, 1878.
Puysegur Point	1st	Flashing	10"	White .. ..	"	"	Mar. 1, 1879.
Cape Foulwind	2nd	Revolving	30"	" .. ..	"	"	Sept. 1, 1876.
Kahurangi Point	2nd	Fixed ..	..	White, with red sector to show over Stewart Breaker	Iron ..	"	Nov. 30, 1908.
Farewell Spit	2nd	Revolving	1'	White, with red arc over Spit end	" ..	"	June 17, 1870.
Nelson	4th	Fixed ..	..	White, with red arc to mark limit of anchorage	" ..	"	Aug. 4, 1862.
French Pass	6th	" ..	..	Red and white, with white light on beacon	" ..	"	Oct. 1, 1884.
Stephen Island	1st	Group flashing	*	White .. ..	" ..	"	Jan. 29, 1894.
Karori Rock	Acetone-acetylene (unwatched)	Flashing	$\frac{1}{2}$ " fl. $3\frac{1}{2}$ " ecl.	White, with red arc over Luna Rock and Tom's Rock	Concrete	..	Oct. 20, 1915.
Okuri Point	"	"	$\frac{3}{4}$ " fl. $3$ " ecl.	White, with red arc over Beef Barrel Rocks	Iron ..	..	June 24, 1916.

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

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED  
IN NEW ZEALAND DURING THE YEAR ENDED 31ST MARCH, 1917.

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Admiral ..	82	50	..	Compound ..	Screw ..	Restricted limits	..	..	..	..	
Advance ..	12	8	..	Non-condensing ..	..	"	..	..	..	..	
Adventure ..	3	10	..	Oil-engine ..	" ..	"	..	..	..	..	
A.H.B. ..	5	15	..	" ..	" ..	"	..	..	..	..	
Ahiki ..	6	35	..	" ..	" ..	"	..	..	..	..	
Ahuriri ..	33	17	..	Compound ..	" ..	"	..	..	..	..	
Ailsa Craig	3	7	..	Oil-engine ..	" ..	"	..	..	..	..	
Aio ..	4 $\frac{1}{2}$	20	..	" ..	" ..	"	..	..	..	..	
Akaroa ..	29	28	103	Compound ..	" ..	Home trade ..	1	1	..	..	
Albatross ..	45	..	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Albatross (A'kland)	111	37 $\frac{1}{2}$	..	Compound ..	" ..	"	..	..	..	..	
Albatross (Ham'ltn)	4	8	..	Oil-engine ..	" ..	"	..	..	..	..	
Albatross (Hoki'nga)	2	4	..	" ..	" ..	"	..	..	..	..	
Alert ..	20	6	..	" ..	" ..	"	..	..	..	..	
Alert (Wanganui)	5	15	..	" ..	" ..	"	..	..	..	..	
Alexander ..	185	72	324	Compound ..	Twin-screw	Home trade ..	4	3	..	..	
Alexandra ..	4	15	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Alice ..	3	9	..	" ..	" ..	"	..	..	..	..	
Alice (Te Kopuru)	4 $\frac{1}{2}$	12	..	" ..	" ..	"	..	..	..	..	
Alice (Hokianga) ..	1 $\frac{1}{2}$	6	..	" ..	" ..	"	..	..	..	..	
Alva ..	4	12	..	" ..	" ..	"	..	..	..	..	
All Black ..	4	17	..	" ..	" ..	"	..	..	..	..	
All Black, No. 2 ..	4	24	..	" ..	" ..	"	..	..	..	..	
Almora ..	4 $\frac{1}{2}$	24	..	" ..	" ..	"	..	..	..	..	
Amy ..	3	9	..	" ..	" ..	"	..	..	..	..	
Antico ..	1	2 $\frac{1}{2}$	..	" ..	" ..	"	..	..	..	..	
Anza ..	3	5	..	" ..	" ..	"	..	..	..	..	
Aotea ..	157	33	..	" ..	" ..	"	..	..	..	..	
Apanui ..	135	28	214	Triple-expansion	" ..	Home trade ..	4	2	..	..	
Aparima ..	3,684	284	2,724	" ..	Twin-screw	Foreign trade	13	9	3	3	
Arahura ..	772	145	1,727	" ..	" ..	Home trade ..	7	6	3	3	
Arapawa ..	128	47	275	" ..	Screw ..	"	4	3	..	..	
Arawa (French Pass)	3	8	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Arawa (Rotorua) ..	1 $\frac{1}{2}$	5	..	" ..	" ..	"	..	..	..	..	
Arita ..	2	4 $\frac{1}{2}$	..	" ..	" ..	"	..	..	..	..	
Ark ..	3	5	..	" ..	" ..	"	..	..	..	..	
Ark ..	3	2 $\frac{1}{2}$	..	" ..	" ..	"	..	..	..	..	
Aroha ..	6	16	..	" ..	" ..	"	..	..	..	..	
Aroha ..	4	8	..	" ..	" ..	"	..	..	..	..	
Arumai ..	6	10	..	" ..	" ..	"	..	..	..	..	
Atua ..	1 $\frac{1}{2}$	8	..	" ..	" ..	"	..	..	..	..	
Auld Reekie ..	1	4	..	" ..	" ..	"	..	..	..	..	
Aupouri ..	220	55	418	Triple-expansion	Twin-screw	Home trade ..	5	3	..	..	
Aureola ..	1	5	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Aurere ..	3	8	..	" ..	" ..	"	..	..	..	..	
Awahou ..	151	74	397	Compound ..	Twin-screw	Home trade ..	4	3	..	..	
Awanui ..	7	20	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Ayr ..	5	14	..	" ..	" ..	"	..	..	..	..	
Beldame ..	4	20	..	" ..	" ..	"	..	..	..	..	
Belle ..	5	10	..	" ..	" ..	"	..	..	..	..	
Bell Bird (A'kland)	52	15	..	Triple-expansion	" ..	"	..	..	..	..	
Bell Bird (Mercer)	2	4	..	Oil-engine ..	" ..	"	..	..	..	..	
Benares ..	2	5	..	" ..	" ..	"	..	..	..	..	
Ben Lomond ..	33	15	..	Compound ..	" ..	"	..	..	..	..	
Betty ..	2	16	..	Oil-engine ..	" ..	"	..	..	..	..	
Blenheim ..	85	50	171	Compound ..	" ..	Home trade ..	2	2	..	..	
Blue Bird ..	1	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Bonito ..	2	10	..	" ..	" ..	"	..	..	..	..	
Breta Tui ..	36	40	..	" ..	" ..	"	..	..	..	..	
Brit (Whangarei) ..	6	16	..	" ..	" ..	"	..	..	..	..	
Brit (Thames) ..	2	7	..	" ..	" ..	"	..	..	..	..	
Britannia ..	108	40	..	Non-condensing	Paddle ..	"	..	..	..	..	
Britannic ..	3	7	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Bulli ..	29	24	..	Compound ..	" ..	"	..	..	..	..	
Calm ..	523	550	688	Triple-expansion	" ..	Home trade ..	6	3	..	..	
Callie ..	5	35	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Canopus ..	835	250	1,061	Triple-expansion	" ..	Home trade ..	6	3	2	3	
Canterbury ..	521	120	..	Compound ..	" ..	Restricted limits	..	..	..	..	
Capel ..	3	10	..	Oil-engine ..	" ..	"	..	..	..	..	
Centaur ..	6	32	..	" ..	Twin-screw	"	..	..	..	..	
Chelmsford ..	79	25	636	Compound ..	Screw ..	Home trade ..	2	1	..	..	
Clansman ..	379	99	534	" ..	" ..	"	5	3	..	..	
Claymore ..	119	54	380	Triple-expansion	" ..	"	4	3	..	..	
Clio ..	5 $\frac{1}{2}$	6	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Clutha ..	96	24	..	Compound ..	Stern-wheel	"	..	..	..	..	
Clyde ..	..	40	..	" ..	" ..	"	..	..	..	..	



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

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Num- ber of follow- ing Classes of Crew Law re- quires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Cobar ..	69	40	..	Compound	Screw	Restricted limits	..	..	..	..	
Columbia ..	2	8	..	Oil-engine	"	"	..	..	..	..	
Comet (Stewart Is.)	6	5	..	"	"	"	..	..	..	..	
Comet (Auckland)	8	20	..	"	"	"	..	..	..	..	
Condor ..	188	24	..	Compound	crew each end	"	..	..	..	..	
Conella ..	1	3½	..	Oil-engine	Screw	"	..	..	..	..	
Coquette ..	3	10	..	"	"	"	..	..	..	..	
Corinna ..	812	141	1,039	Compound	"	Home trade ..	6	3	2	3	
Coronation ..	59	50	..	"	"	Restricted limits	..	..	..	..	
Countess ..	57	28	180	"	"	Home trade ..	2	2	..	..	
Cowan ..	30	24	140	"	"	"	1	2	..	..	
Curlew ..	5½	16	..	Oil-engine	"	Restricted limits	..	..	..	..	
Cygnat ..	66	43	177	Compound	"	Home trade ..	2	2	..	..	
Cygnat ..	4	16	..	Oil-engine	"	Restricted limits	..	..	..	..	
Dairymaid ..	2	6	..	"	"	"	..	..	..	..	
Daisy ..	6	20	..	"	"	"	..	..	..	..	
Daphne ..	2	6	..	"	"	"	..	..	..	..	
Daphne (Auckland)	100	55	244	Compound	"	Home trade ..	2	2	..	..	
Dawn (Auckland)	14	36	..	Oil-engine	Twin-screw	Restricted limits	..	..	..	..	
Dawn (Mangonui)	3	8	..	"	Screw	"	..	..	..	..	
Dauntless ..	3	16	..	"	"	"	..	..	..	..	
Defender ..	109	36	105	Compound	"	Home trade ..	4	2	..	..	
Despatch ..	24	20	..	"	"	"	1	1	..	..	
Dione ..	2	7	..	Oil-engine	"	Restricted limits	..	..	..	..	
D'Jinn ..	6	23	..	"	"	"	..	..	..	..	
Doak ..	3	8	..	"	"	"	..	..	..	..	
Doris (Russell)	3	12	..	"	"	"	..	..	..	..	
Doris (Napier)	4	20	..	"	"	"	..	..	..	..	
Doris (Picton)	2	4	..	"	"	"	..	..	..	..	
Dorset ..	41	32	60	Compound	Twin-screw	Home trade ..	2	1	..	..	
Dot ..	8	5	..	Oil-engine	Screw	Restricted limits	..	..	..	..	
Dove ..	2	4	..	"	"	"	..	..	..	..	
Dovey ..	2	5	..	"	"	"	..	..	..	..	
Dreadnought ..	6	16	..	"	"	"	..	..	..	..	
Dredge 121 ..	394	100	..	Compound	Twin-screw	"	..	..	..	..	
Dredge 222 ..	502	140	814	"	"	Home trade ..	5	3	2	3	
Dredge 350 ..	488	117	631	Triple-expansion	"	"	5	3	..	..	
Duchess ..	137	81	..	"	Screw	Restricted limits	..	..	..	..	
Duco ..	2	5	..	Oil-engine	"	"	..	..	..	..	
Dunedin ..	125	500	1,069	Triple-expansion	Twin-screw	Home trade ..	4	3	2	3	
Eagle ..	138	70	..	Compound	Paddle	Restricted limits	..	..	..	..	
Earl ..	3	8	..	Oil-engine	Screw	"	..	..	..	..	
Earnslaw ..	155	80	..	Triple-expansion	Twin-screw	"	..	..	..	..	
Echo ..	98	60	..	Oil-engine	"	"	..	..	..	..	
Eclipse ..	2	8	..	"	Screw	"	..	..	..	..	
Eileen ..	2	4	..	"	"	"	..	..	..	..	
Eileen Ward ..	472	123	..	Triple-expansion	Twin-screw	"	..	..	..	..	
Elsie (Auckland) ..	24	30	..	Oil-engine	"	"	..	..	..	..	
Elsie (French Pass)	3	5	..	"	Screw	"	..	..	..	..	
Elsie (Thames) ..	4	15	..	"	"	"	..	..	..	..	
Elsie (Wellington)	22	11	..	Compound	"	"	..	..	..	..	
Elsie Evans ..	6	20	..	Oil-engine	"	"	..	..	..	..	
Elspie ..	2	5	..	"	"	"	..	..	..	..	
Elswick ..	4	12	..	"	"	"	..	..	..	..	
Emerald ..	4	12	..	"	"	"	..	..	..	..	
Emere ..	2	5	..	"	"	"	..	..	..	..	
Emily ..	5	25	..	"	"	"	..	..	..	..	
Empress ..	6	18	..	"	"	"	..	..	..	..	
*Endeavour ..	54	30	..	"	"	Home trade ..	2	..	..	..	
Erin ..	..	3½	..	Non-condensing	"	Restricted limits	..	..	..	..	
*Erin ..	4	4	..	Compound	"	"	..	..	..	..	
*Erskine ..	90	35	..	"	"	"	..	..	..	..	
Eunice ..	129	120	..	Oil-engine	"	Home trade ..	4	..	..	..	
Eureka ..	2	8	..	"	"	Restricted limits	..	..	..	..	
Eva ..	5	20	..	"	"	"	..	..	..	..	
Eveline ..	..	8	..	Non-condensing	"	"	..	..	..	..	
Excelsior ..	5	6½	..	Oil-engine	"	"	..	..	..	..	
Excelsior (A'kland)	29	24	..	"	Twin-screw	"	..	..	..	..	
Express ..	36	25	97	Compound	Screw	"	..	..	..	..	
Fairburn ..	60	60	..	Oil-engine	Twin-screw	"	..	..	..	..	
Fanny ..	55	30	142	Compound	Screw	Home trade ..	2	2	..	..	
Farina ..	5	16	..	Oil-engine	"	Restricted limits	..	..	..	..	
*Ferro ..	6	30	..	"	"	"	..	..	..	..	
Fiona ..	2	4	..	"	"	"	..	..	..	..	
Fire Float ..	..	13½	..	"	"	"	..	..	..	..	
Flora (Dunedin) ..	838	180	1,062	Compound	"	Foreign trade	6	3	2	3	

\* Surveyed twice.

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

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Flora .. .. .	2	3	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Foam .. .. .	3	10	..	" ..	" ..	"	..	..	..	..	
Forth .. .. .	1	4	..	" ..	" ..	"	..	..	..	..	
Gael .. .. .	55	20	114	Compound ..	" ..	Home trade ..	2	2	..	..	
Gannet .. ..	10	12	..	" ..	" ..	Restricted limits	..	..	..	..	
Geisha .. ..	4	12	..	Oil-engine ..	" ..	"	..	..	..	..	
Gem (Awanui) ..	1	4	..	" ..	" ..	"	..	..	..	..	
Gem (Whangarei)	1	3	..	" ..	" ..	"	..	..	..	..	
Gilda .. .. .	5	12	..	" ..	" ..	"	..	..	..	..	
Gisborne Pilot-launch	5	12	..	" ..	Twin-screw	"	..	..	..	..	
Gisborne S.F.M. Co.'s launch	2	10	..	" ..	Screw ..	"	..	..	..	..	
Gladstone ..	3	5	..	" ..	" ..	"	..	..	..	..	
*Glenelg .. ..	156	75	255	Compound ..	" ..	Home trade ..	4	3	..	..	
Glenlee .. ..	5	10	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Gordon .. ..	10	8	..	Compound ..	" ..	"	..	..	..	..	
Gosford .. ..	23	30	..	" ..	" ..	"	..	..	..	..	
Goshawk .. ..	122	35	..	" ..	" ..	"	..	..	..	..	
Grevhound ..	83	60	..	Oil-engine ..	" ..	Home trade ..	2	..	..	..	
Hairini .. ..	54	25	..	" ..	" ..	Restricted limits	..	..	..	..	
Hananui II ..	44	58	277	Triple-expansion	" ..	Home trade ..	2	3	..	..	
Hapai .. .. .	364	155	..	" ..	Twin-screw	Restricted limits	..	..	..	..	
Harmony .. ..	2	6	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Harriet .. ..	3	8	..	" ..	" ..	"	..	..	..	..	
Hauti .. .. .	12	20	..	" ..	" ..	"	..	..	..	..	
Hauti (Auckland)	82	32	269	Compound ..	" ..	"	..	..	..	..	
Hauraki .. ..	9	3½	..	" ..	" ..	"	..	..	..	..	
Hawera .. ..	92	31	206	" ..	" ..	Home trade ..	2	2	..	..	
Hazel .. .. .	3	8	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
*Heathcote ..	94	35	..	Compound ..	" ..	"	..	..	..	..	
Heather .. ..	6	17	..	Oil-engine ..	" ..	"	..	..	..	..	
Hikitia .. ..	4	30	..	" ..	" ..	"	..	..	..	..	
Hilda .. .. .	5	20	..	" ..	" ..	"	..	..	..	..	
Hina .. .. .	56	47	82	Compound ..	" ..	Home trade ..	2	1	..	..	
Himitangi ..	149	45	286	Triple-expansion	" ..	Foreign trade	4	3	..	..	
Hinemoa (Tryphena)	2	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Hinemoa (W'gton)	282	150	660	Compound ..	" ..	Foreign trade	5	3	..	..	
Hinewai .. ..	5	16	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Hipi .. .. .	16	11	..	Triple-expansion	Twin-screw	"	..	..	..	..	
Hirere .. ..	20	16	..	Compound ..	" ..	"	..	..	..	..	
Hobsonville ..	23	15	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Huanui .. ..	59	45	..	" ..	" ..	"	..	..	..	..	
Huia (Auckland) ..	199	47	..	" ..	" ..	Home trade ..	4	..	..	..	
Huia (Wellington)	..	2	..	Compound ..	" ..	Restricted limits	..	..	..	..	
Huia .. .. .	2	4	..	Oil-engine ..	" ..	"	..	..	..	..	
Hukarere .. ..	2	40	..	" ..	" ..	"	..	..	..	..	
*Hulk Launch ..	2	5½	..	" ..	" ..	"	..	..	..	..	
Ika .. .. .	7	20	..	" ..	" ..	"	..	..	..	..	
Imp .. .. .	3	4	..	" ..	" ..	"	..	..	..	..	
Imperial .. ..	3	12	..	" ..	" ..	"	..	..	..	..	
Invercargill ..	123	41	234	Compound ..	" ..	Home trade ..	4	2	..	..	
Iranui .. .. .	8	10	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Irene .. .. .	4	12	..	" ..	" ..	"	..	..	..	..	
Irini .. .. .	4	15	..	" ..	" ..	"	..	..	..	..	
Iris .. .. .	3	6	..	" ..	" ..	"	..	..	..	..	
Iris (Kutarere) ..	4	8	..	" ..	" ..	"	..	..	..	..	
Isa .. .. .	3	5	..	" ..	" ..	"	..	..	..	..	
Isabel .. .. .	5	5	..	" ..	" ..	"	..	..	..	..	
Isabella de Fraine	76	60	..	" ..	Twin-screw	Home trade ..	2	..	..	..	
Isobel .. .. .	54	6	..	" ..	Screw ..	Restricted limits	..	..	..	..	
Ivy (Port Albert) ..	84	30	..	" ..	" ..	"	..	..	..	..	
Ivy (Westport) ..	4	10	..	" ..	Twin-screw	Home trade ..	1	..	..	..	
Jane (Auckland) ..	22	35	..	" ..	Screw ..	"	..	..	..	..	
Jane (Mokau) ..	3	15	..	" ..	" ..	Restricted limits	..	..	..	..	
Janie Seddon ..	43	48	..	Compound ..	Twin-screw	"	..	..	..	..	
J.D.O. .. .. .	38	28	..	" ..	Screw ..	"	..	..	..	..	
Joan Justin ..	..	1½	..	" ..	" ..	"	..	..	..	..	
John .. .. .	134	90	185	" ..	" ..	Home trade ..	4	2	..	..	
John Anderson ..	36	20	..	" ..	" ..	Restricted limits	..	..	..	..	
John Kennedy ..	4	12	..	Oil-engine ..	" ..	"	..	..	..	..	
*John Townley ..	85	39	..	Compound ..	Twin-screw	"	..	..	..	..	
Jumbo .. .. .	4	32	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Kaeo .. .. .	146	60	..	" ..	Twin-screw	Home trade ..	4	..	..	..	
Kahika .. .. .	516	98	682	Triple-expansion	Screw ..	Foreign trade	5	3	..	..	
Kabu (Auckland) ..	25	40	..	Oil-engine ..	Twin-screw	Home trade ..	1	..	..	..	

\* Surveyed twice.

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

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law re- quires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Crewers.	
Kahu (Napier) ..	96	40	235	Compound ..	Screw ..	Home trade ..	2	2	..	..	
Kaiaia ..	24	32	..	Oil-engine ..	Twin-screw	Restricted limits	1	..	..	..	
Kaimaka ..	11	24	..	" ..	" ..	" ..	..	..	..	..	
*Kaipara ..	..	4	..	Compound ..	Screw ..	" ..	..	..	..	..	
Kaipatiki ..	23	9½	..	" ..	" ..	" ..	..	..	..	..	
Kaitangata ..	1,219	200	1,033	Triple-expansion	" ..	Foreign trade	7	3	2	3	
Kaitoa ..	118	65	292	Compound ..	Twin-screw	Home trade ..	4	3	..	..	
Kaituna (Auckland)	6	10	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Kaituna (Dunedin)	1,246	200	988	Triple-expansion	" ..	Foreign trade	7	3	2	3	
Kamo ..	725	159	761	" ..	" ..	" ..	6	3	2	3	
Kamona ..	904	117	750	" ..	" ..	" ..	6	3	2	3	
Kanieri (Auckland)	115	20	162	Compound ..	" ..	Home trade ..	4	2	..	..	
Kanieri (L. Kanieri)	2	3½	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Kapiti ..	114	35	215	Compound ..	" ..	Home trade ..	4	2	..	..	
Kapui ..	17	9	..	" ..	" ..	" ..	1	1	..	..	
Kapuni ..	96	30	190	" ..	" ..	" ..	2	2	..	..	
Karaka ..	10	22	..	Triple-expansion	" ..	Restricted limits	..	..	..	..	
Karamu ..	452	102	738	" ..	" ..	Foreign trade	5	3	..	..	
Karma ..	3	28	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Karora ..	6	30	..	" ..	" ..	" ..	..	..	..	..	
Karori ..	1,194	147	960	Triple-expansion	" ..	Foreign trade	7	3	2	3	
Karoro (Auckland)	52	17	..	Compound ..	" ..	Restricted limits	..	..	..	..	
Karoro (Tuakau) ..	3	8	..	Oil-engine ..	" ..	" ..	..	..	..	..	
*Karu ..	197	27	119	Compound ..	" ..	Home trade ..	4	2	..	..	
Kate (Batley) ..	5	24	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Kate (Foxton) ..	..	5	..	Non-condensing	" ..	" ..	..	..	..	..	
Katoa ..	1,382	335	1,626	Triple-expansion	" ..	Foreign trade	7	6	3	3	
Kauri ..	1,830	304	1,153	" ..	" ..	" ..	8	3	2	3	
Kawau (Auckland)	53	20	91	Compound ..	" ..	Home trade ..	2	1	..	..	
Kawau ..	37	15	..	" ..	" ..	Restricted limits	..	..	..	..	
Kelvena ..	4	7	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Kelvin ..	2	7	..	" ..	" ..	" ..	..	..	..	..	
Kennedy ..	131	38	174	Compound ..	Twin-screw	Home trade ..	4	2	..	..	
Kestrel ..	159	43	..	" ..	Screw each end	Restricted limits	..	..	..	..	
Kia Ora ..	7	8	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Kina ..	5	10	..	" ..	" ..	" ..	..	..	..	..	
Kini ..	702	130	717	Triple-expansion	" ..	Home trade ..	6	3	..	..	
Kirita ..	6	30	..	Oil-engine ..	Twin-screw	Restricted limits	..	..	..	..	
Kiritona ..	75	150	..	" ..	" ..	Home trade ..	2	..	..	..	
Kiwi (Onehunga) ..	4	28	..	" ..	Screw ..	Restricted limits	..	..	..	..	
Kiwi (Pelorus S'nd)	1	5	..	" ..	" ..	" ..	..	..	..	..	
Kiwi (Wangarei) ..	4	28	..	" ..	" ..	" ..	..	..	..	..	
Kohi ..	20	60	..	" ..	Twin-screw	Home trade ..	1	..	..	..	
Koi ..	55	32	..	Compound ..	" ..	Restricted limits	..	..	..	..	
Kokiri ..	4	10	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Kokiri ..	719	135	740	Triple-expansion	" ..	Foreign trade	6	3	..	..	
Komata ..	1,194	260	1,250	" ..	" ..	" ..	7	6	3	3	
Kopu ..	18	13	..	Non-condensing	Paddle ..	Restricted limits	..	..	..	..	
Koputai ..	5	120	469	Compound ..	" ..	Foreign trade	1	3	..	..	
Koro ..	3	7	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Koroi (Auckland)	..	9½	..	Quadruple-exp'n.	" ..	" ..	..	..	..	..	
Kotare ..	79	20	138	Compound ..	" ..	Home trade ..	2	2	..	..	
Kotiti ..	42	14	87	" ..	" ..	" ..	2	1	..	..	
Koutu ..	2	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Koutunui ..	98	26	145	Compound ..	Twin-screw	Home trade ..	2	2	..	..	
Kowhai ..	404	128	503	Triple-expansion	Screw ..	" ..	5	3	..	..	
Kura ..	16	35	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Lady Eva ..	3	120	..	" ..	" ..	Home trade ..	1	..	..	..	
Lady Moira ..	2	5	..	" ..	" ..	Restricted limits	..	..	..	..	
La Mascotte ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
La Reine ..	6	20	..	" ..	" ..	" ..	..	..	..	..	
Larola ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
Larola (Wanganui)	3	14	..	" ..	" ..	" ..	..	..	..	..	
Lassie ..	3	6	..	" ..	" ..	" ..	..	..	..	..	
Laurel ..	3	10	..	" ..	" ..	" ..	..	..	..	..	
Lena ..	12	8	..	" ..	" ..	" ..	..	..	..	..	
Lily (Te Kopuru) ..	2	7	..	" ..	" ..	" ..	..	..	..	..	
Lily (Riverton) ..	3	4	..	" ..	" ..	" ..	..	..	..	..	
Lion (Pelorus S'nd)	2	5	..	" ..	" ..	" ..	..	..	..	..	
Lion (Hokianga) ..	3	5	..	" ..	" ..	" ..	..	..	..	..	
Lomen ..	..	6	..	Compound ..	" ..	" ..	..	..	..	..	
Lone Star ..	4	20	..	" ..	" ..	" ..	..	..	..	..	
Lorna ..	4	10	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Loyalty ..	24	35	78	Compound ..	" ..	Home trade ..	1	1	..	..	
Lyttelton ..	88	133	..	" ..	Twin-screw	Restricted limits	..	..	..	..	
*Magic ..	58	60	..	Oil-engine ..	" ..	Home trade ..	2	..	..	..	
Maheno ..	3,318	600	6,188	Turbine ..	" ..	Foreign trade	12	18	9	3	

\* Surveyed twice.

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

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Num- ber of follow- ing Classes of Crew Law re- quires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Crewers.	
Mahoe ..	14	56	..	Oil-engine ..	Screw ..	Home trade ..	1	..	..	..	
Mahua ..	353	28	..	Compound 3212 ..	Twin-screw ..	Restricted limits	..	..	..	..	
Mahurangi ..	95	80	..	" " 1182 ..	Screw ..	"	..	..	..	..	
Maidi ..	12	10 $\frac{3}{4}$	..	" " 1182 ..	" ..	"	..	..	..	..	
Majestic ..	3	7	..	Oil-engine ..	" ..	"	..	..	..	..	
Makere ..	3	4	..	" " 1182 ..	" ..	"	..	..	..	..	
Mako ..	4	12	..	" ..	" ..	"	..	..	..	..	
Mako (Napier) ..	247	65	413	Triple-expansion	" ..	Home trade ..	4	3	..	..	
Makuini ..	4	18	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
* Mana (Lyttelton) ..	51	90	..	Compound ..	Paddle ..	"	..	..	..	..	
Manala ..	630	104	1,274	Triple-expansion	Twin-screw ..	"	..	..	..	..	
Mangakura ..	6	9	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Manukau ..	4	30	..	" ..	" ..	"	..	..	..	..	
Manukotuku ..	3	16	..	" ..	" ..	"	..	..	..	..	
Manurere ..	..	3 $\frac{1}{2}$	..	Quadruple-exp'n.	" ..	"	..	..	..	..	
Manuwai ..	94	30	..	Non-condensing	Stern-wheel	"	..	..	..	..	
Maori (Dunedin) ..	1,445	5,600	5,859	Turbine ..	Triple-screw	Home trade ..	8	15	9	3	
Maori (Picton) ..	6	8	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Maori (Riverton) ..	3	5	..	" ..	" ..	"	..	..	..	..	
Maori (Taupo) ..	2	5	..	" ..	" ..	"	..	..	..	..	
Mapourika ..	718	130	1,224	Triple-expansion	" ..	Home trade ..	7	3	2	3	
Maranui ..	4	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
* Mararoa ..	1,381	530	2,947	Triple-expansion	" ..	Home trade ..	8	9	3	3	
Mararoa (Rotorua) ..	2	6	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Margaret ..	2	12	..	" ..	" ..	"	..	..	..	..	
Maribel ..	6	16	..	" ..	" ..	"	..	..	..	..	
Maritano ..	6	14	..	" ..	" ..	"	..	..	..	..	
Marokopa ..	6	32	..	" ..	" ..	"	..	..	..	..	
Mascotte ..	29	6	..	Compound	Twin-screw	"	..	..	..	..	
Mascotte (A'ckland) ..	..	5	..	Non-condensing	Screw ..	"	..	..	..	..	
Matakokiri ..	3	9	..	Oil-engine ..	" ..	"	..	..	..	..	
Matarere ..	..	1 $\frac{1}{2}$	..	Compound ..	" ..	"	..	..	..	..	
Matariki ..	4	10	..	Oil-engine ..	" ..	"	..	..	..	..	
Matariki (Tuakau) ..	3	6	..	" ..	" ..	"	..	..	..	..	
Matea ..	2	5	..	" ..	" ..	"	..	..	..	..	
Matuku ..	..	4	..	Non-condensing	" ..	"	..	..	..	..	
Maui ..	251	80	470	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Mavis ..	3	10	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Mavis (Onehunga) ..	2	6	..	" ..	" ..	"	..	..	..	..	
Mavis (Stewart Is.) ..	4	5	..	" ..	" ..	"	..	..	..	..	
Mavora ..	4	10	..	" ..	" ..	"	..	..	..	..	
Mawhera ..	292	168	..	Compound ..	Twin-screw	"	..	..	..	..	
May ..	2	4	..	Oil-engine ..	Screw ..	"	..	..	..	..	
May (Wanganui) ..	1	4	..	" ..	" ..	"	..	..	..	..	
M.C. ..	3	6	..	" ..	" ..	"	..	..	..	..	
Media ..	4	10	..	" ..	" ..	"	..	..	..	..	
Melville ..	4	10	..	" ..	" ..	"	..	..	..	..	
Merita ..	3	8	..	" ..	" ..	"	..	..	..	..	
Merlin ..	4	4	..	Compound ..	" ..	"	..	..	..	..	
Merlin (Picton) ..	3	5	..	Oil-engine ..	" ..	"	..	..	..	..	
Mermaid ..	3	..	..	" ..	" ..	"	..	..	..	..	
Mermaid ..	4	10	..	" ..	" ..	"	..	..	..	..	
Midlothian ..	3	5	..	" ..	" ..	"	..	..	..	..	
Mikado ..	6	12	..	" ..	" ..	"	..	..	..	..	
Minoru ..	2 $\frac{1}{2}$	10	..	" ..	" ..	"	..	..	..	..	
Miro ..	3	5	..	" ..	" ..	"	..	..	..	..	
Mizpah ..	4 $\frac{1}{2}$	20	..	" ..	" ..	"	..	..	..	..	
Moa ..	5	4	..	" ..	" ..	"	..	..	..	..	
Moana (Dunedin) ..	2,415	372	4,216	Compound ..	" ..	Foreign trade	10	12	6	3	
Moana (Picton) ..	4	8	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Moana (Tryphena) ..	2	4 $\frac{1}{2}$	..	" ..	" ..	"	..	..	..	..	
Moata ..	3	5	..	" ..	" ..	"	..	..	..	..	
Moerangi ..	5	16	..	" ..	" ..	"	..	..	..	..	
Mokoia ..	2	6	..	" ..	" ..	"	..	..	..	..	
Mona ..	2	5	..	" ..	" ..	"	..	..	..	..	
Monica ..	3	12	..	" ..	" ..	"	..	..	..	..	
Monica II ..	29	20	..	Compound ..	" ..	"	..	..	..	..	
Monowai ..	2,137	290	2,785	Triple-expansion	" ..	"	..	..	..	..	
Mororo ..	2	5	..	Oil-engine ..	" ..	"	..	..	..	..	
Mountaineer ..	66	50	..	Compound ..	Paddle ..	"	..	..	..	..	
Murihiku ..	369	70	527	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Muriel ..	4	16	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Muriel (A.K. 1001) ..	22	18	116	Compound ..	" ..	Home trade ..	1	2	..	..	
Muritai ..	3	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Muriwai ..	6	55	..	" ..	" ..	"	..	..	..	..	
Nada ..	1	6	..	" ..	" ..	"	..	..	..	..	

\* Surveyed twice.

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

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law required to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Namu ..	1½	5	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Nancy ..	4	10	..	" ..	" ..	"	..	..	..	..	
Nancy ..	1	5	..	" ..	" ..	"	..	..	..	..	
Napier ..	30	84	84	Compound ..	" ..	Home trade ..	1	1	..	..	
Natone ..	50	24	..	" ..	" ..	Restricted limits	..	..	..	..	
Naumai ..	29	12	..	" ..	" ..	"	..	..	..	..	
Nautilus ..	3	7	..	Oil-engine ..	" ..	"	..	..	..	..	
Nautilus ..	6	6	..	" ..	" ..	"	..	..	..	..	
Navua ..	1,818	220	1,728	Triple-expansion	Twin-screw	Foreign trade	9	6	3	3	
Nellie ..	3	8	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Nellie Mason ..	14	15	..	" ..	" ..	"	..	..	..	..	
Neptune ..	4	14	..	" ..	" ..	"	..	..	..	..	
New Zealand ..	4½	1½	..	Non-condensing	" ..	"	..	..	..	..	
Ngahere ..	556	118	747	Triple-expansion	" ..	Home trade ..	5	3	..	..	
Ngakuta ..	944	248	1,168	" ..	" ..	Foreign trade	6	3	2	3	
Ngapuhi ..	299	160	738	" ..	Twin-screw	Home trade ..	5	3	..	..	
Ngarita ..	4	18	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Ngaru ..	3	6	..	" ..	" ..	"	..	..	..	..	
Ngatea ..	6	14	..	Non-condensing	" ..	"	..	..	..	..	
Ngatiawa ..	220	55	441	Triple-expansion	Twin-screw	Home trade ..	5	3	..	..	
Ngatoro ..	584	118	764	" ..	Screw ..	"	5	3	..	..	
Ngoiro ..	139	52	..	" ..	Screw each	Restricted limits	..	..	..	..	
Niagara ..	5	10	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Niagara ..	4	14	..	" ..	" ..	"	..	..	..	..	
Nick ..	6	25	..	" ..	" ..	"	..	..	..	..	
Nicola ..	4	10	..	" ..	" ..	"	..	..	..	..	
Nikau ..	98	55	278	Compound ..	Twin-screw	Home trade ..	2	3	..	..	
Nile ..	18	12	und'r 50	" ..	Screw ..	"	1	1	..	..	
Nimrod ..	3	12	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Nita ..	3	5	..	" ..	" ..	"	..	..	..	..	
Norah ..	2	5	..	" ..	" ..	"	..	..	..	..	
Norah (Oamaru) ..	3	5	..	" ..	" ..	"	..	..	..	..	
Nora Niven ..	66	35	187	Triple-expansion	" ..	Home trade ..	2	2	..	..	
Norma ..	5	20	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Northumberland ..	3	10	..	" ..	" ..	"	..	..	..	..	
Norval ..	50	20	..	" ..	" ..	"	..	..	..	..	
Nydia ..	1	4	..	" ..	" ..	"	..	..	..	..	
Odin ..	3	40	..	" ..	" ..	"	..	..	..	..	
Oel ..	5	7	..	" ..	" ..	"	..	..	..	..	
Ohinemuri ..	73	30	..	Compound ..	" ..	"	..	..	..	..	
Oleo ..	5	20	..	Oil-engine ..	" ..	"	..	..	..	..	
Oline ..	2	10	..	" ..	" ..	"	..	..	..	..	
Olive ..	6	32	..	" ..	" ..	"	..	..	..	..	
Olivene ..	4	18	..	" ..	" ..	"	..	..	..	..	
Omana ..	49	14	..	Compound ..	" ..	"	..	..	..	..	
Omana (Auckland) ..	3	16	..	Oil-engine ..	" ..	"	..	..	..	..	
Omokoroa ..	5	15	..	" ..	" ..	"	..	..	..	..	
Onawe ..	5	25	..	" ..	" ..	"	..	..	..	..	
Oneroa ..	29	15	..	Compound ..	" ..	"	..	..	..	..	
Onewa ..	31	15	..	" ..	" ..	"	..	..	..	..	
Ongarue ..	9	45	..	Oil-engine ..	" ..	"	..	..	..	..	
Opaiia ..	5	23	..	" ..	" ..	"	..	..	..	..	
Oparau ..	5	5	..	" ..	" ..	"	..	..	..	..	
Opawa ..	64	18	84	Compound ..	" ..	Home trade ..	2	1	..	..	
Opouri ..	218	86	586	Triple-expansion	" ..	Foreign trade	4	3	..	..	
Oranga ..	4	16	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Orepuki ..	226	78	450	Compound ..	" ..	Home trade ..	4	3	..	..	
Orete ..	92	60	..	Oil-engine ..	" ..	Foreign trade	2	..	..	..	
Orewa ..	37	17	..	Compound ..	" ..	Restricted limits	..	..	..	..	
Oropi ..	12	16	..	Oil-engine ..	" ..	"	..	..	..	..	
Osprey ..	138	70	..	Compound ..	Paddle ..	"	..	..	..	..	
Otara ..	3	12	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Otunui ..	12	75	..	" ..	" ..	"	..	..	..	..	
Outsider ..	4	14	..	" ..	" ..	"	..	..	..	..	
Palooa ..	1,735	443	2,510	Triple-expansion	" ..	Foreign trade	9	9	3	3	
Pania ..	35	11	..	Compound ..	" ..	Restricted limits	..	..	..	..	
Parera ..	6	4	..	Non-condensing	" ..	"	..	..	..	..	
Paroto ..	57	120	..	Oil-engine ..	" ..	Home trade ..	1	..	..	..	
Pateena ..	550	250	1,953	Compound ..	" ..	"	6	6	3	3	
Patiti ..	..	15	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Pearl (Kaipara) ..	9	7	..	Non-condensing	" ..	"	..	..	..	..	
Pearl (Onerahi) ..	2	14	..	Oil-engine ..	" ..	"	..	..	..	..	
Pearleen ..	6	5	..	" ..	" ..	"	..	..	..	..	
Pearl Kasper ..	25	22	..	" ..	" ..	"	..	..	..	..	
Peerless (Auckland) ..	4	26	..	" ..	" ..	"	..	..	..	..	

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

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Peerless (Riwaka)	4	16	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Pelican ..	1	57	297	Triple-expansion	Twin-screw	Home trade ..	1	3	..	..	
Pelorus ..	18	40	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Peregrine	162	52	..	Triple-expansion	Screw each end	"	..	..	..	..	
Pet ..	6	..	..	Oil-engine ..	Twin-screw	"	..	..	..	..	
Petrel ..	6	15	..	" ..	Screw ..	"	..	..	..	..	
Petrel ..	1	2½	..	" ..	" ..	"	..	..	..	..	
Phantom ..	18	11	..	Compound ..	" ..	"	..	..	..	..	
Phyllis ..	4	12	..	Oil-engine ..	" ..	"	..	..	..	..	
Phyllis (Te Kopuru)	5	2	..	Compound ..	" ..	"	..	..	..	..	
Phyllis (Hokitika)	1	3	..	Oil-engine ..	" ..	"	..	..	..	..	
P.inga ..	2	5	..	" ..	" ..	"	..	..	..	..	
Pilot (Auckland)	5	18	..	" ..	" ..	"	..	..	..	..	
Pilot (Dunedin)	27	15	..	Triple-expansion	" ..	"	..	..	..	..	
Pilot (Dunedin)	5	12	..	Oil-engine ..	" ..	"	..	..	..	..	
Pioneer ..	1	4	..	" ..	" ..	"	..	..	..	..	
Pitoitoti ..	34	20	..	Compound ..	" ..	"	..	..	..	..	
Planet ..	4	3½	..	" ..	" ..	"	..	..	..	..	
Pleiades ..	3	12	..	Oil-engine ..	" ..	"	..	..	..	..	
Plucky ..	29	40	266	Compound ..	" ..	"	..	..	..	..	
Poherua ..	749	128	717	Triple-expansion	" ..	Home trade ..	6	3	..	..	
Pono ..	30	52	..	Oil-engine ..	Twin-screw	Restricted limits	..	..	..	..	
Portare ..	6	17	..	" ..	Screw ..	"	..	..	..	..	
Presto ..	..	3	..	Compound ..	" ..	"	..	..	..	..	
Pretoria ..	1½	8	..	Oil-engine ..	" ..	"	..	..	..	..	
Princess ..	5	5	..	" ..	" ..	"	..	..	..	..	
Pukeore ..	4	7	..	" ..	" ..	"	..	..	..	..	
Pupuke ..	68	50	..	Compound ..	Screw each end	"	..	..	..	..	
Purau ..	33	30	..	" ..	Twin-screw	"	..	..	..	..	
Putiki ..	168	60	321	" ..	Screw ..	Home trade ..	4	3	..	..	
P.W.D. ..	2	10	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Queen of Beauty ..	3	16	..	" ..	" ..	"	..	..	..	..	
Queen of the South	121	40	148	Compound ..	" ..	Home trade ..	4	2	..	..	
Rachel Cohen	95	80	..	Oil-engine ..	Twin-screw	Foreign trade	2	..	..	..	
Rainbow ..	4	18	..	" ..	Screw ..	Restricted limits	..	..	..	..	
Rakanoa ..	1,393	200	883	Triple-expansion	" ..	Foreign trade	7	3	2	3	
Rakino ..	2	8	..	Compound ..	" ..	Restricted limits	..	..	..	..	
Rakiura ..	13	10	..	Oil-engine ..	" ..	Home trade ..	1	..	..	..	
Ralaco ..	2	10	..	" ..	" ..	Restricted limits	..	..	..	..	
Ralaco (Auckland)	2	10	..	" ..	" ..	"	..	..	..	..	
Rangi ..	5	8	..	" ..	" ..	"	..	..	..	..	
Rangiora ..	3	7	..	" ..	" ..	"	..	..	..	..	
Rangitaiki ..	4	15	..	" ..	" ..	"	..	..	..	..	
Rarawa ..	460	140	1,118	Triple-expansion	Twin-screw	Home trade ..	6	3	2	3	
Ratanui ..	2	3	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Raumati ..	7½	20	..	Compound ..	" ..	"	..	..	..	..	
Rauparaha ..	1½	4½	..	Oil-engine ..	" ..	"	..	..	..	..	
Redwing ..	5	12	..	" ..	" ..	"	..	..	..	..	
Regal ..	1½	10	..	" ..	" ..	"	..	..	..	..	
Regulus ..	232	150	694	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Reliance ..	4½	12	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Rene ..	4	10	..	" ..	" ..	"	..	..	..	..	
Reo ..	6	32	..	" ..	" ..	"	..	..	..	..	
Reremoana ..	14	50	..	" ..	" ..	"	..	..	..	..	
Result ..	19	10	..	" ..	" ..	"	..	..	..	..	
Revenge ..	6	14	..	" ..	" ..	"	..	..	..	..	
Rewa ..	6	24	..	" ..	" ..	"	..	..	..	..	
Rhodesian ..	4	7	..	" ..	" ..	"	..	..	..	..	
Rialto ..	4	16	..	" ..	" ..	"	..	..	..	..	
Rimu ..	145	95	493	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Rimu (Thames)	5	16	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Ronahi ..	4½	5½	..	" ..	" ..	"	..	..	..	..	
Rio ..	2	5	..	" ..	" ..	"	..	..	..	..	
Ripple ..	8	5	..	" ..	" ..	"	..	..	..	..	
Rita (Mercer)	4	10	..	" ..	" ..	"	..	..	..	..	
Rita ..	5	11	..	" ..	" ..	"	..	..	..	..	
Riverton ..	5	8	..	" ..	" ..	"	..	..	..	..	
Riwaka ..	19	10½	..	Compound ..	" ..	"	..	..	..	..	
Roko ..	3	12	..	Oil-engine ..	" ..	"	..	..	..	..	
Rona ..	4	12	..	" ..	" ..	"	..	..	..	..	
Ronaki ..	4	8	..	" ..	" ..	"	..	..	..	..	
Rosa ..	4	10	..	" ..	" ..	"	..	..	..	..	
Rosamond ..	462	90	453	Compound ..	" ..	Home trade ..	5	3	..	..	
Rose (Kaiapoi)	15	15	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Rose (Tangiteroria)	10	10	..	" ..	" ..	"	..	..	..	..	

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Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Fremen.	Trimmers.	Greasers.	
Rose (Whangarei)	4	10	..	Oil-engine	..	Screw	..	..	..	..	
Roslyn ..	5	16	..	"	..	"	..	..	..	..	
Rotoiti ..	5	30	..	"	..	"	..	..	..	..	
Rotokohu ..	11	8	..	Compound	..	"	..	..	..	..	
Rotongaro ..	4	3 $\frac{1}{2}$	..	"	..	"	..	..	..	..	
Rowena ..	4	13	..	"	..	"	..	..	..	..	
Ruahine ..	5	12	..	Oil-engine	..	"	..	..	..	..	
Ruawai ..	177	52	..	Compound	..	"	..	..	..	..	
Ruby ..	3	8	..	Oil-engine	..	"	..	..	..	..	
Ruru (Auckland) ..	14	10	..	Compound	..	"	..	..	..	..	
Ruru (Napier) ..	62	50	213	"	..	"	Home trade ..	2	2	..	
Rurubau ..	10	12	..	Oil-engine	..	"	Restricted limits	..	..	..	
Sambo ..	5	40	..	"	..	"	..	..	..	..	
Samson ..	4	16	..	"	..	"	..	..	..	..	
Savani ..	31	16	64	Condensing	..	"	Home trade ..	2	1	..	
Sea Breeze ..	4	10	..	Oil-engine	..	"	Restricted limits	..	..	..	
Seamew ..	1 $\frac{1}{2}$	6	..	"	..	"	..	..	..	..	
Sea Wolf ..	5	28	..	"	..	"	..	..	..	..	
Secret ..	4	10	..	"	..	"	..	..	..	..	
Sea Queen ..	3	7	..	"	..	"	..	..	..	..	
Settler (Russell) ..	8	7	..	"	..	"	..	..	..	..	
Settler (Thames) ..	6	18	..	"	..	"	..	..	..	..	
Shamrock ..	60	120	..	"	..	Twin-screw	Home trade ..	2	..	..	
Shamrock Leaf ..	6	20	..	"	..	Screw	Restricted limits	..	..	..	
Sir William Wallace	30	20	..	Compound	..	"	..	..	..	..	
Sister Dora ..	2	12	..	Oil-engine	..	"	..	..	..	..	
Sneaker ..	6	5	..	"	..	"	..	..	..	..	
Sokol ..	6	10	..	"	..	"	..	..	..	..	
Sonoma (Hokianga)	4	10	..	"	..	"	..	..	..	..	
Sonoma (Kaipara)	..	13	..	Non-condensing	..	"	..	..	..	..	
Southern Cross ..	403	117	580	Triple-expansion	..	Twin-screw	Foreign trade	6	3	..	
Sparrowhawk ..	98	32	..	Compound	..	Screw each end	Restricted limits	..	..	..	
Special ..	5	16	..	Oil-engine	..	Screw	..	..	..	..	
Speedy ..	3	5	..	"	..	"	..	..	..	..	
Spray ..	2	8	..	"	..	"	..	..	..	..	
Standard ..	9	10	..	"	..	"	..	..	..	..	
Stanley ..	2	7	..	"	..	"	..	..	..	..	
Star ..	2	8	..	"	..	"	..	..	..	..	
Sterling (Auckland)	4	28	..	"	..	"	..	..	..	..	
Sterling (Hokianga)	3	12	..	"	..	"	..	..	..	..	
St. George ..	2	8	..	"	..	"	..	..	..	..	
Storm ..	186	70	284	Compound	..	"	Home trade ..	4	3	..	
Stranger ..	4	12	..	Oil-engine	..	"	Restricted limits	..	..	..	
Sumner ..	94	35	..	Compound	..	"	..	..	..	..	
Sybil ..	5 $\frac{1}{2}$	30	..	Oil-engine	..	"	..	..	..	..	
Sylph ..	5	8	..	"	..	"	..	..	..	..	
Sylvia ..	4	9	..	"	..	"	..	..	..	..	
Swan ..	5	10	..	"	..	"	..	..	..	..	
Tahawai ..	9	14	..	"	..	"	..	..	..	..	
Taheke ..	3	12	..	"	..	"	..	..	..	..	
Tainui ..	60	24	156	Compound	..	"	Home trade ..	2	2	..	
Tainui ..	1 $\frac{1}{2}$	6	..	Oil-engine	..	"	Restricted limits	..	..	..	
Tai Nui ..	5	30	..	"	..	"	..	..	..	..	
Takapuna ..	472	165	1,118	Compound	..	"	Home trade ..	6	3	2	8
Talune ..	1,370	255	1,787	Triple-expansion	..	"	Foreign trade	8	6	3	3
Tanehaka ..	2	4 $\frac{1}{2}$	..	Oil-engine	..	"	Restricted limits	..	..	..	
Tanfield Lea ..	3	12	..	"	..	"	..	..	..	..	
Tangaroa ..	109	70	..	Compound	..	Twin-screw	..	..	..	..	
Tangihua ..	20	15	..	"	..	Screw	..	..	..	..	
Taniwha ..	191	40	..	"	..	Twin-screw	..	..	..	..	
Taniwha ..	16	16	..	Non-condensing	..	Screw	..	..	..	..	
Tarawera ..	1,269	250	1,417	Compound	..	"	Home trade ..	8	6	3	3
Tarawai ..	11	11	..	Condensing	..	"	Restricted limits	..	..	..	
Tasman ..	87	45	191	Compound	..	Twin-screw	Home trade ..	2	2	..	
Tauri ..	6	16	..	Oil-engine	..	Screw	Restricted limits	..	..	..	
Tawera ..	11	11	..	Non-condensing	..	"	..	..	..	..	
Tawera ..	44	40	..	Oil-engine	..	"	..	..	..	..	
Tawera ..	..	25	..	Compound	..	"	..	..	..	..	
Te Awahina ..	87	99	420	Triple-expansion	..	Twin-screw	Home trade ..	2	3	..	
Te Anau ..	957	250	1,116	Compound	..	Screw	Foreign trade	6	3	2	3
Te Aroha ..	57	85	..	Oil-engine	..	Twin-screw	Home trade ..	2	..	..	
Te Kooti ..	2	5	..	"	..	Screw	Restricted limits	..	..	..	
Te Pioneer ..	25	13	..	Compound	..	"	..	..	..	..	
Te Pua ..	24	10	..	Oil-engine	..	"	..	..	..	..	
Terawhiti ..	102	99	846	Triple-expansion	..	"	Home trade ..	4	3	2	3
Te Teko ..	56	120	..	Oil-engine	..	Twin-screw	..	2	..	..	

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							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Te Waipounamu ..	20	8	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Te Wake ..	3	5	..	" ..	" ..	"	..	..	..	..	
Te Whaka ..	141	45	..	Compound ..	" ..	"	..	..	..	..	
Te Wharu ..	3	7	..	Oil-engine ..	" ..	"	..	..	..	..	
Te Wirimu ..	4	14	..	" ..	" ..	"	..	..	..	..	
The Little Jack ..	..	1½	..	Non-condensing ..	" ..	"	..	..	..	..	
Thelma ..	2½	5	..	Oil-engine ..	" ..	"	..	..	..	..	
The Minerva ..	20	14	..	Compound ..	Twin-screw	"	..	..	..	..	
The Pines ..	1	2	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Theresa Ward ..	9	95	454	Triple-expansion	" ..	Home trade ..	1	3	..	..	
Thistle (H-lensv'le) ..	10	14	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Thistle (Kaiapoi) ..	4	5	..	" ..	" ..	"	..	..	..	..	
Thistle (Moana) ..	1	4	..	" ..	" ..	"	..	..	..	..	
Thistle (Wellington) ..	77	90	..	" ..	Twin-screw	Home trade ..	2	..	..	..	
*Thomas King ..	70	16	..	Compound ..	Screw ..	Restricted limits	..	..	..	..	
Thor ..	6	12	..	Oil-engine ..	" ..	"	..	..	..	..	
Tiki ..	10	70	..	Compound ..	" ..	"	..	..	..	..	
Tikirau ..	5	20	..	Oil-engine ..	" ..	"	..	..	..	..	
Tikitere ..	3	8	..	" ..	" ..	"	..	..	..	..	
Tio ..	4	12	..	" ..	" ..	"	..	..	..	..	
Tiri ..	6	20	..	" ..	" ..	"	..	..	..	..	
Togo ..	..	14	..	Compound ..	Twin-screw	"	..	..	..	..	
Toitoti ..	5	18	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Toiler ..	28	13½	..	Compound ..	" ..	"	..	..	..	..	
Tongariro ..	9	8	..	" ..	" ..	"	..	..	..	..	
Tongonge ..	4	8	..	Oil-engine ..	" ..	"	..	..	..	..	
Torea ..	24	60	..	" ..	Twin-screw	"	..	..	..	..	
Tot ..	6	16	..	" ..	Screw ..	"	..	..	..	..	
T. abine ..	20	14	..	" ..	" ..	"	..	..	..	..	
Tuatega (Dunedin) ..	58	28	228	Compound ..	" ..	Home trade ..	2	2	..	..	
Tuatega (Raglan) ..	4	8	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Tuatega (Napier) ..	30	60	..	" ..	Twin-screw	"	..	..	..	..	
Tui (Akaroa) ..	6	22	..	" ..	Screw ..	"	..	..	..	..	
Tui (Rawene) ..	3	5	..	" ..	" ..	"	..	..	..	..	
Tui (Rawene) ..	2½	5	..	" ..	" ..	"	..	..	..	..	
Tuirangi ..	72	23	..	Triple-expansion	" ..	"	..	..	..	..	
Turanga ..	19	25	..	Oil-engine ..	" ..	"	..	..	..	..	
Tutanekai (Wellington) ..	412	205	818	Triple-expansion	Twin-screw	Foreign trade	6	3	2	3	
Tutanekai (Russell) ..	2	8	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Ulimarua ..	2,986	506	5,410	Triple-expansion	Twin-screw	Foreign trade	11	15	9	3	
Una ..	1	3½	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Undine ..	5	10	..	" ..	" ..	"	..	..	..	..	
Uira ..	4	3½	..	Non-condensing ..	" ..	"	..	..	..	..	
Uta ..	23	50	..	Oil-engine ..	" ..	"	..	..	..	..	
Vectus ..	22	16	..	" ..	" ..	"	..	..	..	..	
Ventura ..	3	7	..	" ..	" ..	"	..	..	..	..	
Vera ..	4	16	..	" ..	" ..	"	..	..	..	..	
Vesper (Auckland) ..	20	32	..	" ..	" ..	"	..	..	..	..	
Vesper (Te Kopuru) ..	3	16	..	" ..	" ..	"	..	..	..	..	
Victoria ..	4	7	..	" ..	" ..	"	..	..	..	..	
Victory (Hokianga) ..	3½	8	..	" ..	" ..	"	..	..	..	..	
Victory (Auckland) ..	17	30	..	" ..	" ..	"	..	..	..	..	
Viking ..	5	14	..	" ..	" ..	"	..	..	..	..	
Viola ..	3	15	..	" ..	" ..	"	..	..	..	..	
Waiapu ..	57	35	..	" ..	" ..	"	..	..	..	..	
Waihau ..	6	40	..	" ..	" ..	"	..	..	..	..	
Waihora ..	2,993	410	1,768	Triple-expansion	" ..	Foreign trade	10	6	3	3	
Waihou ..	4	12	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Waihou (Thames) ..	4	3	..	" ..	" ..	"	..	..	..	..	
Wai-iti ..	5	47	..	" ..	" ..	"	..	..	..	..	
Waikana ..	67	200	..	Compound ..	Twin-screw	"	..	..	..	..	
Waikare ..	1	4	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Waikato ..	6	10	..	" ..	" ..	"	..	..	..	..	
Waikuku ..	2	6	..	" ..	" ..	"	..	..	..	..	
Waima ..	6	20	..	" ..	" ..	"	..	..	..	..	
Waimarie ..	159	48	..	Compound ..	Twin-screw	"	..	..	..	..	
Waimarie (Wanganui) ..	53	20	..	Non-condensing	Paddle ..	"	..	..	..	..	
Waimaea ..	207	100	556	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Wainui ..	5	10	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Wainui (Pictou) ..	2	5	..	" ..	" ..	"	..	..	..	..	
Wainui (Wanganui) ..	3	14	..	" ..	" ..	"	..	..	..	..	
Waioma ..	5	20	..	" ..	" ..	"	..	..	..	..	
Waioma (Russell) ..	4	10	..	" ..	" ..	"	..	..	..	..	
Waione ..	48	80	..	Compound ..	Twin-screw	"	..	..	..	..	
Wai-ora ..	3	15	..	Oil-engine ..	Screw ..	"	..	..	..	..	

\* Surveyed twice.



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

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Num- ber of follow- ing Classes of Crew Law re- quires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Waiora ..	..	75	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Waiotahi ..	167	56	356	Compound ..	Twin-screw	Home trade ..	4	3	..	..	
Waipapakauri ..	5	9	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Waipori ..	1,229	180	912	Triple-expansion	" ..	Foreign trade	7	3	2	3	
Waipu ..	76	244	235	Compound ..	Twin-screw	Home trade ..	2	2	..	..	
Waipuna ..	2½	7	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Wairau ..	59	20	140	Compound ..	" ..	Home trade ..	2	2	..	..	
Waireka ..	72	49	..	Triple-expansion	Twin-screw	Restricted limits	..	..	..	..	
Waireka ..	3	5	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Waireka (Wanganui)	4	45	..	" ..	" ..	"	..	..	..	..	
Wairoa (Auckland)	49	40	130	Compound ..	" ..	Home trade ..	2	2	..	..	
Wairoa (Nelson) ..	48	16	78	" ..	" ..	"	2	1	..	..	
Wairua (Wanganui)	..	70	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
* Wairua (Auckland)	175	44	..	Compound ..	Twin-screw	"	..	..	..	..	
Waitangi (Auckl'd)	32	60	..	" ..	Screw ..	Home trade ..	2	1	..	..	
Waitangi ..	21	66	296	" ..	Twin-screw	"	1	3	..	..	
Waitaria ..	2	5	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..	
Waitata ..	2	4	..	" ..	" ..	"	..	..	..	..	
Waitemata (London)	3,459	258	2,319	Compound ..	" ..	Foreign trade	11	9	3	3	
Waitemata (Auckland)	18	150	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Waitemata ..	5	13	..	" ..	" ..	"	..	..	..	..	
Waitohi ..	18	10	..	Compound ..	" ..	"	..	..	..	..	
Waitui ..	1	12	..	Oil-engine ..	" ..	"	..	..	..	..	
Waiuku ..	49	200	..	" ..	Twin-screw	"	..	..	..	..	
Waiwera ..	..	6	..	Compound ..	Screw ..	"	..	..	..	..	
Waiwera ..	..	16	..	Oil-engine ..	" ..	"	..	..	..	..	
Wakaiti ..	15	39	..	" ..	Twin-screw	Home trade ..	1	..	..	..	
Wakapai ..	..	10	..	Compound ..	Screw ..	Restricted limits	..	..	..	..	
Wakaterere ..	176	140	..	" ..	Paddle ..	"	..	..	..	..	
Wakaterere (Raglan)	4	5	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Wallace ..	60	50	..	Non-condensing	" ..	"	..	..	..	..	
Wanaka ..	1,572	280	1,101	Triple-expansion	" ..	Foreign trade	8	3	2	3	
Waro ..	34	50	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Warrimoo ..	2,076	490	3,210	Triple-expansion	" ..	Foreign trade	10	9	6	3	
Waterlily ..	29	20	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Waverley ..	93	25	128	Compound ..	Twin-screw	"	..	..	..	..	
Weka (Auckland)	75	27	137	" ..	" ..	Home trade ..	2	2	..	..	
Weka (Napier) ..	53	20	80	" ..	Screw ..	"	2	1	..	..	
Welcome ..	25	55	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Westland ..	8	86	362	Compound ..	Paddle ..	Home trade ..	1	3	..	..	
Wetere ..	41	22	..	" ..	Screw ..	Restricted limits	..	..	..	..	
Whakarapa ..	2	5	..	Oil-engine ..	" ..	"	..	..	..	..	
Whakarongotai ..	2	10	..	" ..	" ..	"	..	..	..	..	
Whakarire ..	449	120	642	Compound ..	Twin-screw	Home trade ..	5	3	..	..	
Whangape ..	1,900	280	1,246	Triple-expansion	Screw ..	Foreign trade	8	3	2	3	
Whanui ..	3	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Whareatea ..	9	14	..	Compound ..	" ..	"	..	..	..	..	
W.H.B. ..	3	15	..	Oil-engine ..	" ..	"	..	..	..	..	
Whisper ..	3	1	..	" ..	" ..	"	..	..	..	..	
Whati ..	..	6½	..	Compound ..	" ..	"	..	..	..	..	
Wild Rose ..	3	7	..	Oil-engine ..	" ..	"	..	..	..	..	
Will Watch ..	48	45	..	" ..	" ..	Home trade ..	2	..	..	..	
Wootton ..	90	33	132	Compound ..	" ..	"	2	2	..	..	
Worker ..	2	12	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Young Bungaree ..	2	35	156	Compound ..	" ..	Home trade ..	1	2	..	..	
Zephyr ..	4	7	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..	
Zoe ..	1½	4½	..	" ..	" ..	"	..	..	..	..	

\* Surveyed twice.

RETURN of SAILING-SHIPS TO WHICH SURVEY CERTIFICATES WERE GRANTED DURING THE YEAR  
ENDED 31ST MARCH, 1917.

Name of Vessel.	Tons Register.	Class of Certificate.	Minimum Number of Seamen required by Law to be carried.			Remarks.
			Able Seamen.	Ordinary Seamen.	Appren- tices or Boys.	
Alert .. .. .	98	Home trade ..	2	1	..	
Alma .. .. .	23	" .. .. .	1	..	..	
Altair .. .. .	57	Restricted limits	2	..	..	
Aratapu .. .. .	122	Home trade ..	4	..	1	
Awanui .. .. .	85	Foreign trade ..	2	1	..	
Cathkit .. .. .	139	" .. .. .	4	..	1	
Clio .. .. .	81	Home trade ..	2	1	..	
Combine .. .. .	24	" .. .. .	1	..	..	
Comet .. .. .	20	Restricted limits	1	..	..	
Dandy .. .. .	82	Home trade ..	2	1	..	
Deveron .. .. .	26	" .. .. .	1	..	..	
Dominion .. .. .	25	" .. .. .	1	..	..	
Edith .. .. .	19	Restricted limits	1	..	..	
Edna .. .. .	22	" .. .. .	1	..	..	
Elsie Mary .. .. .	85	Home trade ..	2	1	..	
Esme .. .. .	20	Restricted limits	1	..	..	
Ethel Wells .. .. .	19	" .. .. .	1	..	..	
Gannet .. .. .	25	" .. .. .	1	..	..	
Haere .. .. .	99	" .. .. .	2	1	..	
Herald .. .. .	73	" .. .. .	2	1	..	
Hero .. .. .	25	" .. .. .	2	..	..	
Huia .. .. .	20	" .. .. .	1	..	..	
Huon Belle .. .. .	42	" .. .. .	2	..	..	
Ida .. .. .	25	" .. .. .	1	..	..	
Inez Dean .. .. .	12	" .. .. .	1	..	..	
Irene .. .. .	30	" .. .. .	2	..	..	
Jane Gifford.. .. .	20	Home trade ..	1	..	..	
Janet .. .. .	24	Restricted limits	1	..	..	
Kapua .. .. .	18	Home trade ..	1	..	..	
Katie S. .. .. .	20	Restricted limits	1	..	..	
Kereru .. .. .	93	Foreign trade ..	2	1	..	
Kiatia .. .. .	20	Home trade ..	1	..	..	
Kitty Fraser .. .. .	25	Restricted limits	1	..	..	
Lady of the Lake .. .. .	19	" .. .. .	1	..	..	
Lena Gladys.. .. .	24	" .. .. .	1	..	..	
Lily .. .. .	84	" .. .. .	2	1	..	
Lily (Nelson) .. .. .	16	" .. .. .	1	..	..	
Lizette .. .. .	25	" .. .. .	1	..	..	
Maggie .. .. .	20	" .. .. .	1	..	..	
May .. .. .	44	" .. .. .	2	..	..	
Moa .. .. .	66	" .. .. .	2	1	..	
Moa (Auckland) .. .. .	99	Home trade ..	2	1	..	
Moehau .. .. .	23	Restricted limits	1	..	..	
Moonah .. .. .	83	Home trade ..	2	1	..	
Ngaru .. .. .	66	" .. .. .	2	1	..	
Nor'west .. .. .	18	Restricted limits	1	..	..	
Oban .. .. .	24	Home trade ..	1	..	..	
Onerahi .. .. .	25	" .. .. .	1	..	..	
Pahiki .. .. .	20	" .. .. .	1	..	..	
Pearl Kasper .. .. .	25	Restricted limits	2	..	..	
Ranger .. .. .	64	Home trade ..	2	1	..	
Rangi .. .. .	86	" .. .. .	2	1	..	
Raupo .. .. .	683	Foreign trade ..	8	1	2	
Result .. .. .	23	Restricted limits	1	..	..	
Rewa .. .. .	7	" .. .. .	1	..	..	
Rimu .. .. .	49	" .. .. .	2	..	..	
Rona .. .. .	618	Foreign trade ..	8	1	2	
Saucy Kate .. .. .	25	Restricted limits	1	..	..	
Scot .. .. .	18	Home trade ..	1	..	..	
Seagull .. .. .	25	" .. .. .	1	..	..	
Stag .. .. .	19	Restricted limits	1	..	..	
Stanley .. .. .	90	" .. .. .	2	1	..	
Sunderland .. .. .	20	" .. .. .	1	..	..	
Talisman .. .. .	70	" .. .. .	2	1	..	
Tararawa .. .. .	44	" .. .. .	2	..	..	
The Lee .. .. .	19	" .. .. .	1	..	..	
The Portland .. .. .	59	" .. .. .	2	..	..	
Thistle .. .. .	23	" .. .. .	1	..	..	
Transit .. .. .	19	" .. .. .	1	..	..	
Vindex .. .. .	23	" .. .. .	1	..	..	
Violet .. .. .	20	" .. .. .	1	..	..	
Vixen .. .. .	15	" .. .. .	1	..	..	
Waikonini .. .. .	23	" .. .. .	1	..	..	
Winnie .. .. .	19	Home trade ..	1	..	..	
Ysabel .. .. .	149	Foreign trade ..	4	..	1	

LIST OF BOYS WHO HAVE SERVED ON THE TRAINING-SHIP "AMOKURA" DURING THE YEAR ENDED  
31ST MARCH, 1917.

Name.	Date of Joining.	Date of Discharge.	Occupation taken up on Discharge.
Stalker, L.	31/7/14	1/5/16	Joined s.s. "Mokoia" as O.S.
Jenkins, J. S.	3/8/14	27/5/16	" s.s. "Ngatoro" as O.S.
Heaphy, J.	14/8/14	9/5/16	" s.s. "Ngahere" as O.S.
Halliday, J. S.	24/8/14	24/5/16	" s.s. "Stormbird" as O.S.
Williams, J. F. O.	3/9/14	1/5/16	" s.s. "Mokoia" as boy.
Kerr, G. D.	4/9/14	26/5/16	" s.s. "Wimmera" as O.S.
Morris, W. A.	17/9/14	15/5/16	" s.s. "Rosamond" as O.S.
Body, G. A. V.	28/10/14	21/9/16	" s.s. "Karu" as O.S.
Neale, J. C.	26/1/15	9/10/16	" s.s. "Ionic" as O.S.
McArthur, M. M.	26/1/15	16/8/16	" s.s. "Moana" as boy.
Edwards, K. A.	26/1/15	8/8/16	" s.s. "Opouri" as O.S.
Roberts, W. D.	26/1/15	11/7/16	" s.s. "Ngatoro" as O.S.
Ovenden, S. E. P.	26/1/15	8/8/16	" s.s. "Karu" as O.S.
Haydock, A. E. J.	26/1/15	5/10/16	" s.s. "Manuka" as boy.
Charman, F. V. H.	26/1/15	12/10/16	" s.s. "Ionic" as O.S.
Herivell, H.	26/1/15	13/10/16	" s.s. "Kamo" as O.S.
Lundon, R. J.	27/1/15	5/10/16	" s.s. "Pateena" as boy.
Leeves, L. W.	17/3/15	16/2/17	" s.s. "Waimarino" as O.S.
Sollitt, N. H.	17/3/15	13/1/17	" s.s. "Mararoa" as boy.
Murrell, I. R.	17/3/15	17/2/17	" s.s. "Ngahere" as O.S.
Stanlake, R. B.	21/3/15	14/10/16	" s.s. "Kamona" as O.S.
Laing, P. C.	17/3/15	13/1/17	" s.s. "Arapawa" as O.S.
Angus, S. C. J.	26/1/15	7/8/16	" s.s. "Pateena" as O.S.
Smith, R. E.	31/5/15	4/11/16	" s.s. "Kittawa" as boy.
Humphries, F. R.	1/6/15	17/2/17	" s.s. "Kittawa" as O.S.
Parsons, H. G.	1/6/15	8/3/17	" barque "Antiope" as O.S.
Lloyd, M. E.	1/6/15	13/1/17	" " "Rona" as O.S.
Bacon, H. W. B.	1/6/15	8/3/17	" " "Antiope" as O.S.
Wills, A.	1/6/15	19/2/17	" s.s. "Ngakuta" as O.S.
Thomson, C. W.	1/6/15	4/5/17	" s.s. "Arahura" as O.S.
Holden, G. C.	7/6/15	21/12/16	" s.s. "Pateena" as boy.
Ingram, C. W. N.	16/6/15	17/1/16	Medically unfit; discharge granted.
Birkner, V. L. W.	18/6/15	12/2/16	Deserted.
Lowry, H. F.	23/7/15	21/5/17	Joined s.s. "Kokiri" as O.S.
Denny, C. M.	21/9/15	..	Deserted.
Cook, J. W.	21/9/15	..	Still on board.
Bax, J. H.	21/9/15	..	"
Retter, G. P.	21/9/15	..	"
Smith, C. R.	24/9/15	..	"
Penny, A. B.	28/9/15	..	"
Hughson, R. H.	13/10/15	..	"
Raven, W. A.	12/10/15	..	"
Hughson, J. G. J.	24/1/16	..	"
Morrison, K. McD.	26/1/16	..	"
Kerr, James	25/1/16	..	"
Commerer, G. R.	25/1/16	..	"
Smith, P. S.	25/1/16	..	"
Martin, H. C.	25/1/16	..	"
Monk, R. K.	25/1/16	..	"
Jensen, C. L. H.	25/1/16	..	"
Wells, H. C.	25/1/16	..	"
Johnston, N. R.	26/1/16	..	"
Fulford, V. M.	25/1/16	20/9/16	Medically unfit; discharge granted.
Eyles, M. J.	14/6/16	..	Still on board.
Rodda, L. J.	14/6/16	..	"
McKenzie, A. J.	15/6/16	..	"
Pringle, V. R.	15/6/16	..	"
Meehan, N. P. J.	15/6/16	..	"
Sellars, L. S. W.	15/6/16	..	"
Subritzsky, W. A.	15/6/16	..	"
Stubbing, F. F.	15/6/16	..	"
Worth, H. H.	16/6/16	..	"
Eskrigge, H. L.	16/6/16	..	"
Finlayson, T. T.	17/6/16	..	"
Godfrey, R.	15/8/16	..	"
Priar, V. Y.	14/8/16	..	"
Longuet, V. A.	15/8/16	..	"
Cameron, G. G.	15/8/16	..	"
Fauchelle, L. P.	15/8/16	..	"
Irvine, A. L. R.	15/8/16	..	"
Pettit, S. S.	16/8/16	17/11/16	Granted discharge.
Park, T.	15/8/16	..	Still on board.
Whitlow, E. A.	19/8/16	..	"
Mathieson, J.	23/10/16	..	"
Sowter, E. W.	23/10/16	..	"
Barclay, W. A.	24/10/16	..	"
Thomson, G.	24/10/16	..	"
Brown, C. H. L.	24/10/16	..	"
Doubleday, E. W.	24/10/16	..	"
Carter, A. E.	23/10/16	..	"
Hore, J. T.	24/10/16	..	"
Parker, K. W.	27/10/16	..	"
Robertson, F. N. B.	24/10/16	..	"

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, 1917.

Name of Seaman.	Balance to Credit of the Estate on 31st March, 1916.	Amount received.	Amount paid.	Balance to Credit of the Estate on 31st March, 1917.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
A. Make-atu .. .. .	..	2 3 0	..	2 3 0
Cecil Harvey .. .. .	..	6 14 8	2 0 0	4 14 8
Leonard L. Loder .. .. .	..	20 0 0	20 0 0	..
A. Weightman .. .. .	..	3 9 5	..	3 9 5
Albert Tristram .. .. .	..	63 16 5	63 16 5	..
Charles F. Olsen .. .. .	..	9 2 9	9 2 9	..
Murdo McDonald .. .. .	..	78 9 1	78 9 1	..
William Christory .. .. .	8 7 6	15 11 6	23 19 0	..
William Joyce .. .. .	..	13 10 2	13 10 2	..
John Smith .. .. .	..	1 10 4	1 10 4	..
John W. Hinchley .. .. .	..	2 0 5	2 0 5	..
C. W. Lindsay .. .. .	8 12 1	..	8 12 1	..
Robert Kyle .. .. .	..	1 6 1	..	1 6 1
P. O'Sullivan .. .. .	..	11 13 1	8 14 10	2 18 3
J. Hunter .. .. .	..	1 6 11	..	1 6 11
Henry C. Hilditch .. .. .	..	6 3 5	..	6 3 5
T. Lawler .. .. .	..	0 17 5	..	0 17 5
A. W. Rawlings .. .. .	..	5 12 5	..	5 12 5
Charles Smith .. .. .	..	9 0 0	9 0 0	..
Bodoo x Ellie Bux .. .. .	..	10 8 10	..	10 8 10
Leslie Crow .. .. .	..	5 11 0	5 11 0	..
John Williams .. .. .	..	3 17 0	..	3 17 0
C. H. Ward .. .. .	..	18 3 4	18 3 4	..
Albert Olsen .. .. .	..	4 11 3	4 11 3	..
J. McKendrick .. .. .	..	0 5 0	..	0 5 0
O. Petterson .. .. .	..	8 17 5	8 17 5	..
R. H. Owen .. .. .	..	32 14 3	..	32 14 3
Allan Campbell .. .. .	..	71 12 2	71 12 2	..
G. Doran .. .. .	..	18 8 7	..	18 8 7
Jacob Larsen .. .. .	..	5 2 8	..	5 2 8
E. W. Scrivener .. .. .	..	25 17 3	25 17 3	..
Duncan McDonald .. .. .	..	23 6 0	..	23 6 0
Samuel Henderson .. .. .	11 19 0	..	11 19 0	..
Charles R. Vasseau .. .. .	..	8 0 0	8 0 0	..
John C. Tonkin .. .. .	..	4 12 3	4 12 3	..
A. Mason .. .. .	..	0 14 6	..	0 14 6
James T. Allan .. .. .	..	8 14 0	..	8 14 0
Peter Peterson .. .. .	..	16 18 0	..	16 18 0
Henry Simpson .. .. .	..	7 7 3	..	7 7 3
Thomas Grubb .. .. .	..	7 10 7	..	7 10 7
Henry William Wood .. .. .	..	0 12 7	..	0 12 7
	28 18 7	535 11 0	399 18 9	164 10 10

RETURN SHOWING AMOUNTS RECEIVED PRIOR TO 1ST APRIL, 1916, STANDING TO CREDIT OF ESTATES  
OF DECEASED SEAMEN, AND FOR WHICH CLAIMS HAVE NOT BEEN PROVED.

	£ s. d.		£ s. d.
Benjamin, W., late A.B., "Waiotahi" ..	6 5 6	Mays, J. J., late A.B., "Ngaru" ..	4 19 6
Collins, C., late steward, "Waitomo" ..	2 7 1	Mercer, J., late cook, "Jessie Niccol" ..	1 4 6
Espada, E., late fireman, "Maunganui" ..	2 14 10	McRoberts, David, late A.B., "Waihora" ..	6 3 6
Gale, E., late A.B., "Penguin" ..	5 4 9	Muller, J., late fireman, "Arahura" ..	26 15 0
Glancy, W., late A.B., "Titania" ..	2 9 2	Parry, R., late A.B., "Koromiko" ..	1 15 6
Hedges, E., late A.B., "Kairaki" ..	43 4 5	Powell, R., late cook, "Karori" ..	10 3 11
Hollis, W., late A.B., "Kairaki" ..	1 5 4	Sluice, G., late cook, "Kurov" ..	0 7 6
Johnston, James, late A.B., "Kini" ..	8 16 4	Smith, A., late A.B., "Kairaki" ..	7 17 11
Kennedy, W., late A.B., "Moa" ..	1 3 2	Warelin, F., late A.B., "Koromiko" ..	2 12 10
Knudson, E., late second mate, "Kairaki" ..	15 19 2	Wadsworth, S., late A.B., "Eva" ..	2 15 4
Lindsay, J., late A.B., "Wanderer" ..	1 0 8	Ward, J., late fireman, "Penguin" ..	7 18 7
Mason, E., late of "Maori" ..	1 11 6	Wassell, R., late A.B., "Elsie Mary" ..	0 7 6
Matheson, D., late A.B., "Kahu" ..	17 3 6	West, John, late A.B., "Greyhound" ..	1 17 4

# NEW ZEALAND WRECK CHART.

1st APRIL, 1916 to 31st MARCH, 1917.

Compiled from Official Records in  
the MARINE DEPARTMENT.

## SYMBOLS.

### STRANDINGS.

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

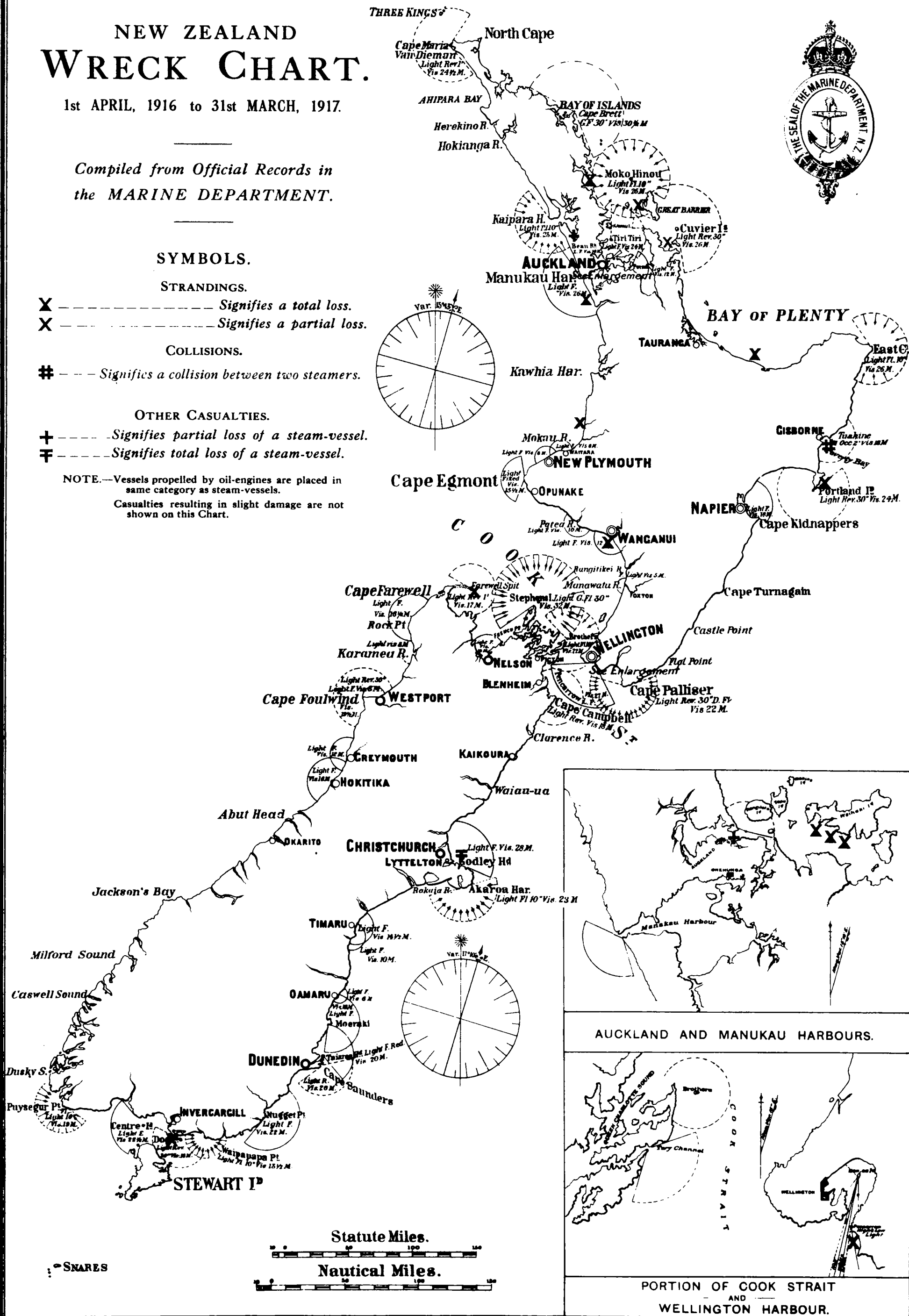
### COLLISIONS.

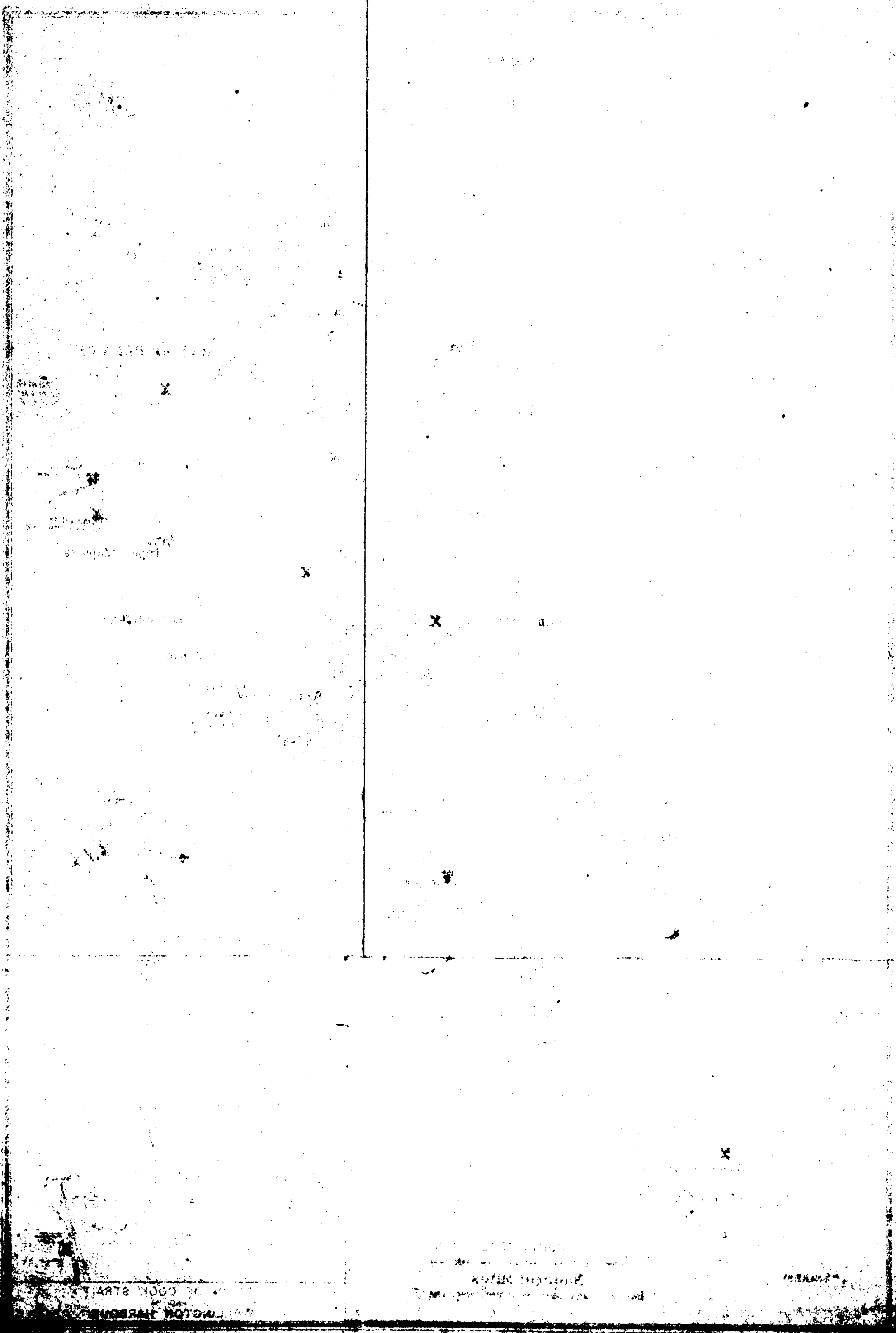
- # ——— Signifies a collision between two steamers.

### OTHER CASUALTIES.

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

NOTE.—Vessels propelled by oil-engines are placed in  
same category as steam-vessels.  
Casualties resulting in slight damage are not  
shown on this Chart.





# RETURN OF WRECKS AND CASUALTIES TO SHIPPING REPORTED TO THE MARINE DEPARTMENT FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

45

H.—15.

Date of Casualty.	Vessel's Name, Age, and Class.	Reg.	Number of		Nature of		Number of Lives lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
			Crew.	Passengers.	Cargo.	Casualty.			Direction.	Force.		
1915. Dec. 24	Farina, o.e.v., 4 years	Launch	5	2	..	Collision; no damage	..	Tauranga Harbour ..	..	Calm	The casualty was due to the negligence or default of Godfrey Petersen, who was steering the Public Works launch, in improperly altering the course of the launch	J. D. Faulkner. G. Petersen.
"	Oil-launch (no name) belonging to Public Works Department	Launch	4	1	2	Collision; damage, £15	..		..	..		
1916. Mar. 11	Wave, o.e.v., 12 years	Schooner	21	4	..	Trifling accident to machinery	..	Off Mercury Bay ..	E.	..	The crank of port engine broke ..	F. Beach.
April 9	Invercargill, s.s., 31 years	Schooner	123	12	..	Stranded; no damage	..	New River Estuary ..	W.S.W.	Squally	The vessel was anchored in lower harbour, and was struck by a heavy squall, which caused her to drag anchor and ground on a sandbank	D. Hanning.
"	Tangaroa, s.s., 17 years	Ketch ..	110	9	34	General	..	Wairoa Bay ..	..	Calm	Touched the groyne when entering the river	H. Anderson.
"	Flora, s.s., 34 years	Schooner	838	36	..	General	..	Lat. 19° 41' S., long. 159° 44' E.	E.	Light	The H.P. crank-shaft broke, and the vessel was taken in tow to Auckland by the s.s. "Mapourika"	E. J. M. Appleyard.
"	Dongarra, s.s., 10 years, late Stolzentfels	Schooner	3,554	53	..	General	..	Lat. 35° 17' S., long. 167° 50' E.	..	Calm	The after crank web of second I.P. engine broke. The main engines were disconnected, and the vessel continued her voyage under first I.P. engine only	J. Mackay.
May 5	Moa, o.e.v., 7 years	Launch	3	1	4	..	..	Diamond Harbour, Lyttelton	..	Calm	The collision was attributed to glare of electric lights	J. D. Miller.
"	Matariki, o.e.v., 8 years	Launch	4	1	..	..	..		..	..	..	A. Anderson.
"	Waro, aux., 40 years	Schooner	34	5	..	Coal	..	Waipu Beach ..	S.E.	Moderate	The casualty was caused through the neglect of J. Braidford, A.B., in failing to keep a vigilant lookout. The master was guilty of a breach of his duty in leaving Braidford in sole charge of the vessel and in neglecting to see that a proper lookout was kept. He was ordered to pay the costs of the inquiry, £6 12s.	Wm J. Paine.
"	Tararawa, scow, 31 years	Ketch ..	44	3	..	..	..	Off Onerahi Wharf, Whangarei	S.E.	Gale	Caused through the "Kiata" dragging her anchor and striking the "Tararawa" on the stern	J. McCormick.
"	Kiata, 9 years	Ketch ..	20	2	..	..	..		W.	Moderate	..	N. Oliver.
"	Aparima, s.s., 14 years	Schooner	3,684	136	4	General	..	South Pacific	..	..	Fire caused through overheating of funnel by highly combustible coal—a mixture of New-castle and Southern New South Wales	J. E. McDonald.

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

Date of Casualty.	Vessel's Name, Age, and Class.	Reg. No.	Number of		Nature of	Number of Lives lost.	Place where Casualty occurred.	Wind		Finding of Court of Inquiry.	Name of Master.
			Crew.	Passengers.	Cargo.	Casualty.		Direction.	Force.		
1916. May 28	Southern Isle, aux., 15 years	59	5	..	Coal ..	Capsized; partial loss	5	Blind Bay ..	S.E.	Gale ..	C. H. Gibson.
June 5	Tarawera, s.s., 35 years	1,268	56	30	General	Stranded; no damage	..	Off Deborah Bay, Port Chalmers	..	Calm ..	D. Ritchie.
" 16	Canopus, s.s., 13 years	835	25	..	Coal ..	Collision with wharf; trifling damage	..	Wharf, Wellington ..	N.	..	F. W. Venn.
July 14	Rarawa, s.s., 14 years.	461	..	..	General	Loss of life ..	1	Between Onehunga and New Plymouth	E.	Fresh ..	W. Bark.
" 21	Opouri, s.s., 4 years	218	16	..	General	Stranded; slight damage	..	Wharatea Cove, D'Urville Island	N.W.	Light ..	R. Pearson.
Aug. 1	Bec, scow, 25 years	24	2	2	Scrapiron	Stranded; damaged, age, £150	..	Near Mercury Bay ..	N.W.	Gale ..	John Brown.
" 2	Kakapo, s.s., 14 years	949	27	..	Coal ..	Broken plate; slight damage	..	About lat. 38° S, long. 171° E.	N.W.	Gale ..	J. A. Robilliard.
" 6	Albatross, aux., 14 years	38	5	..	..	Stranded; damaged, age, £300	..	Marokopa River Bar..	N.W.	Light ..	J. Williamson.
" 12	Taniwha, s.s., 18 years	191	16	3	General	Collision with bridge; damaged, age, £40	..	Puki Bridge, Paeroa ..	..	Calm ..	J. Freeman.
" 14	Rosamond, s.s., 32 years	462	20	..	General	Collision with wharf; trifling damage	..	Wharf, Napier ..	W.	Gale ..	Jas. Rankin.
" 28	Ranger, 23 years	64	4	..	Timber	Stranded; slight damage	..	Limestone Island ..	E.N.E.	Moderate gale	J. Williams.
" 29	Kapua, 4 years	18	4	..	..	Collision; slight damage	}	Whangaroa Harbour..	..	Calm	J. M. McKinnon. E. Donovan.
" 29	Vixen, 33 years	21	4	..	Coal ..	Collision; slight damage					

The vessel was last seen afloat about 5 p.m. on the 28th May, and shortly afterwards a heavy south-east squall came up and it continued to blow hard until next day. On the 31st May the lightkeeper at Farewell Spit sighted a wreck, which proved to be the "Southern Isle," but there was no sign of the crew. The Court was of opinion that the hatches were not properly secured, and that the vessel foundered through shipping seas.

Caused through the harbour light having gone out

Had too much way on when approaching wharf

A passenger named Miss Frances M. Brown was missed, and is supposed to have been lost overboard

When sheltering from gale the vessel grounded and lost a propeller-blade

Vessel was lying at anchor when a north-west gale sprang up and she commenced to drag, and was beached to save her

Met with heavy gale, which fractured a faulty plate

The vessel stranded owing to the navigable channel having shifted

When passing through the bridge the vessel fouled the lower end of the swinging part

Heavy squall drove vessel against wharf, damaging some plates

Vessel was anchored at high water, and when tide fell she settled on a rock and broke a plank

The "Kapua" was being towed by a launch, when she collided with the "Vixen" lying at anchor



Aug. 30	Tongariro, s.s., 16 years	Schooner	5,220	96	..	General	Stranded; total loss	..	Bull Rock, off Portland Island, N.Z.	N.E.	Light ..	The wreck of the vessel was primarily caused by the default of the chief officer, Percy John Ballard, in failing to take the ordinary precaution of verifying the position of the vessel when off Table Cape. Had this been done the disaster would not have occurred. That, considering the master was responsible for the safe navigation of the ship, and with his knowledge of the coast and the danger of approaching and passing Bull Rock in the darkness, a duty lay upon him to ascertain, after passing Table Cape, whether the vessel was on the course laid off, and in only making a general inquiry from the chief officer at 6.45 p.m. (ten minutes before she struck) as to the vessel's position he failed to discharge that duty, and thus contributed to the loss of the vessel. The Court suspended the master's certificate for six months and that of the chief officer for three months, and they were also ordered to pay part of the cost of the inquiry as follows: The master £10, and the chief officer £3. Leak developed at joint of furnace, back end	J. Mawson.	
" 30	Mapourika, s.s., 18 years	Schooner	718	50	44	General	Leak in boilers; trifling dam- age	..	Blind Bay ..	S.W.	Light ..	The vessel was in light trim, and when leaving the Wanganui River a sea struck her bow and threw her broadside on towards the north mole, and as there was not sufficient sea room for her to recover she was driven by wind and current on to the south mole, where she struck and became a total wreck. The Court found that no blame was attributable to the master, officers, or pilot Whilst being towed into harbour the vessel took a sudden sheer to port and went aground before she could be straightened up. The Court found that the stranding was a pure misadventure of the sea, and that the captain and officers were in no way to blame. The vessel has since been refloated	A. L. Gibson.	
Sept. 2	Stormbird, s.s., 62 years	Schooner	129	14	..	General	Stranded; total loss	3	Entrance to Wanganui River	W.N.W.	Fresh breeze			
" 14	Antiope, 50 years	Barque	1,380	16	..	Timber, &c.	Stranded; par- tial loss	..	Entrance to Bluff Har- bour	S.	Gale ..			F. W. Tellick.
About Sept. 14	Vesper, aux. scoy, 14 years	Schooner	20	3	..	Lime ..	Capsized; dam- age, £400	3	Hauraki Gulf	S.W.	Squally	The vessel was found floating bottom up off Whangapara, Great Barrier Island, on the 19th September. She is supposed to have sprung a leak and capsized. All search possible was made for the missing crew, but without success	G. Davis.	

Harry Mak-  
peace.

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

Date of Casualty.	Vessel's Name, Age, and Class.	Rig.	Register Tonnage.	Number of		Nature of		Number of Lives lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
				Crew.	Passengers.	Cargo.	Casualty.			Direction.	Force.		
1916.													
Sept. 28	Albany, s.s., 2 years	Schooner	10	5	..	..	Stranded; total loss	..	Near Waikato Heads, Auckland	..	..	Owing to a breakdown in the engine-room the vessel was beached in a safe place and repairs effected, but when being refloated a rope fouled the propeller at a critical moment, and the vessel was caught in the breakers and cast ashore	J. Alexander.
" 30	Rakanoa, s.s., 20 years	Schooner	1,393	30	..	General	Fire; slight damage	..	Hauraki Gulf	W.N.W.	Fresh breeze	A fire broke out in the rope-locker when about ten miles out from Auckland. Cause unknown	W. W. Hender.
Oct. 8	Pohorua, s.s., 26 years	Schooner	749	22	..	General	Stranded; slight damage	..	Island Point, off Akaroa Peninsula	N.	Light ..	The stranding was due to a dense fog which obscured the mainland. It might have been avoided if a cast of the lead had been taken	F. H. Edge.
" 20	Vixen, 33 years	Ketch ..	21	3	..	..	Stranded; damage, £300	..	K u a o t u n u, Bay of Plenty	N.W.	Strong..	The vessel was loading when a heavy north-west gale came up and drove her on to the beach. She was afterwards got off and towed to Auckland	E. Donovan.
Nov. 24	Pukapuka, 36 years	Schooner	23	3	..	Sand ..	Stranded; total loss	..	Waiheke Island, Auckland	E.	Strong..	The vessel was loading sand on the beach when the wind changed and drove her on the rocks	A. McDonald.
Dec. 4	Welcome, 14 years	Schooner	25	5	..	..	Stranded; total loss	..	Whakatane..	..	..	When proceeding to sea the vessel was carried out of her course by the current, and her bilge struck the rocks. She filled rapidly, and has become a total wreck	George Page.
" 20	Ripple, s.s., 11 years	Schooner	187	16	1	General	Fire; trifling damage	..	Akitio ..	N.W.	Light ..	A light was taken into the forehold, and an explosion occurred owing to the presence of benzine fumes	J. Carlson.
" 22	Te Aroha, o.e.v., 7 years	Schooner	56	7	..	Coal ..	Stranded; no damage	..	Bar, Wairoa River, Hawke's Bay	N.E.	Strong..	Grounded when crossing the bar owing to insufficiency of water. Refloated on discharging 30 tons of coal	A. McNabb.
" 25	Maitai, s.s., 24 years	Schooner	1,888	94	..	General	Stranded; total loss	..	Anchorage, Rarotonga	N.	Light ..	When anchoring at Avarua, Rarotonga, the cable parted and the vessel drifted ashore on the reef. The Court absolved the master and officers from any blame for the casualty	Chas. McLean.
1917.													
Jan. 1	Toi Toi; 3 years	Ketch ..	4	2	3	..	Collision; trifling damage	..	Port Levy ..	N.E.	Moderate	The vessel collided with a yacht (name unknown) which was anchored in the fairway and showing no light	J. T. Pegley.
" 5	Awahou, s.s., 4 years	Schooner	151	15	..	..	Stranded; no damage	..	Two miles north of Buller River	..	Calm ..	Stranded on the North Beach, Westport, owing to landmarks being obscured by smoke from bush fires	R. Rodger.
" 27	Eileen Ward, s.s., 8 years	Dredge	472	15	..	..	Stranded; slight damage	..	Breakwater, Westport	..	Calm ..	When dredging shallows on the bar she bumped the end of the breakwater and broke some plates	G. A. Simpson.
3	Ngoiro, s.s., 4 years	Ferryboat	139	4	8	..	Stranded; slight damage	..	Auckland Harbour ..	S.E.	Light ..	The vessel struck a reef between Auckland and St. Helier's Bay. Accident due to misty weather	M. Scott.

Feb.	5	Kimi, o.e.v. ..	Launch	2	2	..	..	Foundered ; total loss	2	2	Three miles off Godley Head	S.W.	Gale ..	..
"	9	Rimu, s.s., 19 years	Schooner	21	4	..	General	Damaged plate; trifling acci- dent	..	..	Motukaraka Wharf, Hokianga	..	Calm ..	A. Parris.
"	19	Rimu, 22 years	Schooner	49	3	..	Shingle	Stranded; total loss	..	E.	Hook's Bay, Waiheke Island	..	Strong..	A. E. Ragg.
"	19	Stag, 53 years	Cutter ..	19	2	..	Shingle	Stranded; total loss	..	E.	Hook's Bay, Waiheke Island	..	Strong..	E. Beaver.
"	20	Ida, 33 years ..	Ketch ..	25	..	..	..	Collision; slight damage to each vessel	..	S.E.	Nelson Street Wharf, Auckland	..	Strong	H. Joynt.
"	20	Buster B. ..	Barge ..	..	..	..	..	Stranded; dam- age, £40	..	E.N.E.	Auckland Harbour ..	..	Gale ..	..
"	21	Excelsior, aux., 24 years	Schooner	29	..	..	..	Stranded; dam- age, £50	..	S.E.	Birkenhead, Auckland Harbour	..	Gale ..	..
"	21	Tally-Ho, 20 years	Ketch ..	51	..	..	..	Stranded; dam- age, £50	..	..	..	..	..	..
"	24	Mararoa, s.s., 32 years	Schooner	1,381	76	215	General	Stranded; dam- age, £650	..	..	Four and a half miles S.E. of Pencarrow Head	..	Calm ..	J. T. Reid.
"	24	Koromiko, s.s., 8 years	Schooner	1,541	34	..	Wool ..	Stranded; no damage	..	E.	Manukau Harbour ..	..	Moderate	J. Baldwin.
Mar.	1	Arahura, s.s., 12 years	Schooner	771	56	80	General	Collision; dam- age, £3,000	..	..	..	..	..	..
"	1	Waimate, s.s., 21 years	Schooner	3,629	..	..	General	Collision; dam- age, £8,000	..	W.	Gisborne Harbour ..	..	Light	H. H. Corlieson.
"	11	Bellbird, s.s., 11 years	Schooner	52	8	..	General	Fire; damage, £500	..	N.E.	Wharf, Helensville ..	..	Light	A. C. Showman.
"	25	Waihora, s.s., 10 years	Schooner	2,993	51	..	General	Struck wharf; damage, £1,800	..	..	King's Wharf, Auck- land	..	Calm ..	R. F. Chadwick.
"	30	Karu, s.s., 16 years	Schooner	197	12	..	Coal ..	Boiler trouble; trifling dam- age	..	N.W.	Near Cape Farewell ..	..	Fresh breeze	..

The launch was being towed into Lyttelton Harbour by the s.s. "Priestfield" when she suddenly collapsed and disappeared, her two occupants being drowned despite efforts to save them

Bumped against an iron band on the corner of the wharf and knocked a hole in a plate

Vessel had loaded a cargo of shingle on the beach, and had just hauled off when the wind changed and drove her on the beach, where she has been abandoned

Vessel had loaded a cargo of shingle on the beach, and had just hauled off when the wind changed and drove her on the beach, where she has been abandoned

The "Ida" was at anchor when the barge broke loose and drifted down upon her. No one on board either vessel.

Vessel was at anchor, but owing to the gale and rough sea she dragged and went ashore and was moored alongside the wharf, when her lines carried away and she was blown against the breastwork and damaged her planks

The stranding was due to an unexpected easterly set and to a dense fog which prevented the master ascertaining his position with any degree of accuracy. The stranding was contributed to by an error of judgment on the part of the master in failing to stop the ship at 8 a.m. instead of going slow. The master was ordered to pay half the cost of the inquiry, £3 10s. 6d. Grounded on mudbank when proceeding to sea. Floated off on rising tide

When leaving the harbour the master of the "Arahura," failing to observe that the "Waimate" had also weighed anchor and was under weigh, attempted to pass across her bow, and the collision resulted. The Court found that the collision regulations had not been properly complied with by the master of either vessel, that no proper lookout was kept on either vessel, and that the collision was due to the combined neglect of the masters of the vessels, and they were ordered to pay the costs of the inquiry in equal shares.

Vessel was found to be on fire at 5.30 a.m. and badly burnt amidships. Cause of fire not known

Collided with north end of wharf when berthing and damaged plates in her stem. Some of the stay-bolts at back end of boiler blew out, causing leakage

## SUMMARY OF CASUALTIES TO SHIPPING REPORTED TO THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1917.

Nature of Casualty.	Casualties on or near the Coasts of the Dominion.						Casualties outside the Dominion.						Total Number of Casualties reported.		
	Steamers.			Sailing-vessels.			Steamers.			Sailing-vessels.			No. of Vessels.	Tonnage.	No. of Lives lost.
	No. of Vessels.	Tonnage.	No. of Lives lost.	No. of Vessels.	Tonnage.	No. of Lives lost.	No. of Vessels.	Tonnage.	No. of Lives lost.	No. of Vessels.	Tonnage.	No. of Lives lost.			
<b>Strandings—</b>															
Total wrecks	4	5,393	3	4	116	..	1	1,888	..	..	..	..	9	7,397	3
Partial loss	2	1,419	..	3	1,425	..	..	..	..	..	..	..	5	2,844	..
Slight damage	5	1,607	..	2	115	..	..	..	..	..	..	..	7	1,722	..
No damage	5	3,139	..	..	..	..	..	..	..	..	..	..	5	3,139	..
Total strandings	16	11,558	3	9	1,656	..	1	1,888	..	..	..	..	26	15,102	3
<b>Foundered—</b>															
Total loss	1	2	2	..	..	..	..	..	..	..	..	..	1	2	2
Partial loss	1	59	5	..	..	..	..	..	..	..	..	..	1	59	5
Total foundered	2	61	7	..	..	..	..	..	..	..	..	..	2	61	7
<b>Collisions—</b>															
Partial loss	2	4,400	..	..	..	..	..	..	..	..	..	..	2	4,400	..
Slight damage	3	846	..	4	132	..	..	..	..	..	..	..	7	978	..
No damage	1	5	..	..	..	..	..	..	..	..	..	..	1	5	..
Total collisions..	6	5,251	..	4	132	..	..	..	..	..	..	..	10	5,383	..
<b>Fires—</b>															
Partial loss	1	52	..	..	..	..	..	..	..	..	..	..	1	52	..
Slight damage	2	1,580	..	..	..	..	1	3,684	..	..	..	..	3	5,264	..
Total fires	3	1,632	..	..	..	..	1	3,684	..	..	..	..	4	5,316	..
Miscellaneous, including damage by heavy seas to hull and cargo, loss of masts, sails, &c., and breakdown of machinery	9	4,733	3	..	..	..	3	5,341	..	..	..	..	12	10,074	3
Total casualties to shipping	36	23,235	13	16	1,788	..	49	25,023	13	..	..	..	54	35,936	13
Loss of life only	1	461	1	..	..	..	1	461	1	..	..	..	1	461	1
Total number of casualties reported	37	23,696	14	16	1,788	..	50	25,484	14	..	..	..	55	36,397	14

Date of Accident.	Name of Vessel and 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 Coroner's Inquest held.
1916.					
Mar. 11	Rakanoa, Dunedin	J. Poulson, A.B.	Injured leg	At sea	While working on ship.
" 18	Karori, Dunedin	A. Scott, fireman	Cut thumb	Auckland	Fell on lamp-glass.
Feb. 18	Waimarie, Auckland	E. J. Garvie, A.B.	Crushed hand	Auckland	While working cargo.
Mar. 28	Kopu, Auckland	S. Hill, mate	Injured head	Auckland	Hit with coat-hack.
" 23	Kennedy, Nelson	H. Miller, A.B.	Injured arm	At sea	While working on deck.
Feb. 7	Pohorua, Dunedin	W. Hogben, fireman	Injured eye	At sea	Piece of asbestos flew into eye.
Mar. 28	Rosamond, Dunedin	W. Miller, A.B.	Injured eye	Tinaru	Struck by mooring-line.
Apr. 4	Monowai, Dunedin	E. A. Dougherty, A.B.	Burnt hands	Napier	While at boat drill.
Feb. 16	Tarawera, Dunedin	E. Bruce, steward	Injured wrist	Dunedin	Got dirt into eye.
" 4	Maitai, Dunedin	G. Cornwall, A.B.	Injured foot	Dunedin	Fell from between-deck.
" 26	Corinna, Dunedin	C. Bullock, mate	Dislocated knee	Dunedin	Case fell on foot.
Apr. 6	Kaitoa, Nelson	R. Rells, A.B.	Injured foot	Napier	While unloading meat.
Mar. 22	Nikau, Nelson	W. Barker, steward	Injured by explosion	Nelson	Ran nail into foot.
" 15	Nikau, Nelson	G. Maxwell, chief engineer	Injured by explosion	Nelson	Injured body.
" 6	Bell Bird, Te Kopuru	T. Jines, boatswain	Drowned	Nelson	Injured body.
Apr. 14	Kaituna, Dunedin	F. Thompson, cook	Broken collarbone	Te Kopuru	Fell between "Bell Bird" and "Omana."
" 7	Clansman, Auckland	R. J. Ferris, fireman	Crushed fingers	Timaru	While trying to jump ashore.
" 26	Chelmsford, Auckland	C. F. Olsen, 2nd mate	Injured elbow	Mangonui	Caught fingers between timber.
Mar. 15	Waimarie, Auckland	T. Lethaby, mate	Crushed leg	Tuparoua	While working on surf-beat.
Apr. 15	Aupouri, Auckland	H. Simpson, O.S.	Broken hand	Mangapai	By falling timber.
" 28	Aupouri, Auckland	C. Johnson, fireman	Burnt arm	Pacraia	Fell down hold.
" 15	Aupouri, Auckland	R. Wales, cook	Poisoned finger	At sea	While at work in stokehold.
May 6	Daphne, Auckland	J. G. Horsley, assistant steward	Hurt spine	Auckland	Ran nail into finger.
Apr. 6	Paloona, Dunedin	E. Murphy, fireman	Cut wrist	Auckland	Fell down bridge-ladder.
Mar. 31	Karori, Dunedin	P. Hunter, fireman	Strained back	Dunedin	Slipped in forecandle.
" 17	Tahiti, London	W. D. Tanner, scullion	Fractured arm	Dunedin	While at work in stokehold.
Apr. 26	Paloona, Dunedin	A. Webster, assistant steward	Injured arm	Dunedin	Fell in alleyway.
Mar. 23	Pohorua, Dunedin	A. D. Shearer, 2nd engineer	Rupture	Dunedin	Case of tobacco fell on arm.
Apr. 1	Monowai, Dunedin	J. K. Shearer, fireman	Septic wound	Dunedin	While turning engines.
May 2	Mararoa, Dunedin	D. McPherson, A.B.	Broken rib	At sea	While cleaning copper pipes.
Apr. 11	Ripple, Napier	J. Burt, assistant steward	Crushed thumb	Dunedin	Fell against skylight.
" 6	Stormbird, Wellington	C. Grundwell, A.B.	Injured leg	At sea	Skylight fell on thumb.
May 13	Pohorua, Dunedin	N. J. Woods, A.B.	Strained back	Wellington	Burnt hand at winch.
" 13	Maori, Dunedin	W. Holmes, assistant steward	Poisoned fingers	Westport	While lifting mails.
Apr. 18	Pateenua, Dunedin	A. Peters, 3rd cook	Injured knee	Lyttelton	While cleaning ports.
25	Maori, Dunedin	F. Humpherson, assist. steward	Injured ribs	At sea	Slipped and fell on deck.
Mar. 10	Maori, Dunedin	S. Oarkuk, scullion	Scalded arm	Lyttelton	Slipped down companion-way.
Feb. 20	Kapiti, Wellington	M. Blengren, A.B.	Injured leg	At sea	While working in galley pipe burst.
Apr. 17	Ionic, London	F. McNelly, A.B.	Injured back	Wellington	Hit by hatch.
" 10	Maori, Dunedin	E. Shaw, fireman	Strain inwardly	Wellington	Slipped while lifting gear.
" 21	Moana, Dunedin	J. Fahey, fireman	Injured wrist	At sea	While on watch.
" 20	Kapiti, Wellington	B. Gustafsson, A.B.	Fractured rib	Wellington	While working in stokehold.
" 29	Karui, Wellington	F. J. Poulter, fireman	Broken finger	Wellington	Slipped while at work.
May 21	Konata, Dunedin	W. Fotheringham, greaser	Injuries to body	Greymouth	While at work in engine-room.
Feb. 22	Karu, Dunedin	W. Sarsfield, A.B.	Loose cartilage	Westport	Slipped between gangway and ship.
May 12	Maitai, Dunedin	H. Wright, fireman	Burnt arm	Pictou	Slipped and fell on cases.
				At sea	..

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

Date of Accident.	Name of Vessel and 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 Coroner's Inquest held.
1916.					
May 11	Takapuna, Dunedin	D. McLean, A.B.	Sprained foot	Wellington	While working cargo.
" 25	Mararoa, Dunedin	A. E. Wood, assistant steward	Fractured rib	Lyttelton	Carrying luggage, fell on deck.
" 9	Westralia, Melbourne	J. Knock, O.S.	Injured knee	At sea	While scrubbing forecastle.
" 10	Te Anau, Dunedin	J. Kerr, trimmer	Sprained back	At sea	While carrying ashes.
" 22	Tofua, Dunedin	J. Murphy, fireman	Injured elbow	Port Chalmers	While coming on ship.
June 2	Whakeraua, London	A. Moore, 4th mate	Shot in thigh	Dunedin	Accidentally shot by first officer.
Feb. 3	Tofua, Dunedin	D. Blair, trimmer	Injured thumb	Dunedin	Got thumb jammed in hoist.
May 5	Karori, Auckland	I. Montgomery, fireman	Crushed hand	At sea	While oiling hand slipped between connecting-rods.
Apr. 8	Lindisot, Sydney	W. A. Fennelly, A.B.	Dislocated wrist	Auckland	Coming ashore, slipped on gangway.
" 27	Arapawa, Auckland	L. L. Loddar, A.B.	Drowned	Opunake Bay	Surf-boat capsized.
May 24	Waiotahi, Auckland	W. Baker, A.B.	Cut hand	Parenga	Caught hand in cargo-boat.
" 30	Warrimoo, Dunedin	P. McBride, A.B.	Burnt eye	Wellington	While washing paint burnt eye with soda.
Apr. 2	Karu, Wellington	F. J. Poulter, fireman	Broken finger	Greymouth	While screwing bolt spanner slipped and broke finger.
June 7	Mako, Auckland	C. F. Olsen	Drowned	Tuparoa	Drowned through the capsizing of a surf-boat; no blame attachable to any one.
" 11	Kai Ora, Liverpool	N. Alexander, fireman	Ruptured	At sea	While slicing the fires.
" 24	Pateana, Dunedin	W. Pearce, 2nd cook	Injured leg	At sea	Cask fell on leg.
" 4	Komata, Dunedin	J. Breen, A.B.	Injured back	Wellington	While working cargo.
" 29	Pateana, Dunedin	P. Brown, assistant steward	Ricked back	Wellington	While working stores.
" 17	Waihora, Dunedin	F. Martensen, A.B.	Injured hip	Auckland	Piece of coal fell from basket.
" 7	Rakanoa, Dunedin	G. Lopez, A.B.	Injured hip	At sea	Fell on deck.
" 29	Flora, Dunedin	J. Saan, A.B.	Strained heart	Tahiti	Whilst at work.
" 25	Ngatiawa, Auckland	I. Freland, A.B.	Strained back	Auckland	Whilst storing cargo.
" 6	Ngapuhi, Auckland	W. Finn, fireman	Strained ankle	At sea	While in stokehold.
" 13	Waihora, Dunedin	E. J. Knox, cook	Ruptured	Albany	Whilst lifting sack of potatoes.
" 26	Pateana, Dunedin	L. Towns, brass-boy	Scalded	At sea	Slipped on deck while carrying hot water.
" 3	Alma S., Auckland	W. Mortensen	Injured foot	Auckland	Piece of timber fell on foot.
" 20	Clansman, Auckland	W. Cooper, boy	Injured wrist	At sea	Fell on deck.
" 20	Maniaia, Auckland	W. Marsden, greaser	Crushed finger	At sea	While closing skylight.
" 20	Aupori, Auckland	G. Bell, fireman	Burnt arm	Auckland	While lighting fires.
July 3	Flora, Dunedin	G. Pearce, fireman	Ricked side	At sea	While at work in stokehold.
June 27	Clansman, Auckland	F. Sinclair, A.B.	Injured knee	At sea	Fell down ladder.
" 28	Te Aroha, Napier	M. Carroll, A.E.	Strained muscles	Napier	While steering.
" 17	Ruru, Napier	H. Stevensen, cook	Fractured rib	At sea	Fell against boat-derrick.
" 30	Maori, Dunedin	E. Allen, A.E.	Crushed finger	Lyttelton	Finger caught in iron rail.
" 20	Kowhai, Dunedin	E. Doyle, fireman	Internal injuries	Westport	Accident in engine-room.
July 4	Pohorua, Dunedin	W. Dahler, A.B.	Ulcerated leg	At sea	Struck leg against hatch.
" 16	Waitemata, Dunedin	— Matheson, carpenter	Injured back	Dunedin	Fell on deck.
" 24	Waipori, Dunedin	J. Livick, assistant steward	Rupture	Westport	Not known.
" 6	Waitemata, Dunedin	J. R. Watt, carpenter	Injured foot	Dunedin	Lump of coal fell on foot.
" 9	Corinna, Dunedin	A. McArthur, 2nd engineer	Injured hand	Dunedin	Piece of machinery fell on hand.
" 19	Ulimaroa, Melbourne	R. F. Davis, fireman	Injured knee	Dunedin	Fell in stokehold.
" 19	Mararoa, Dunedin	W. Rutledge, trimmer	Strained back	Lyttelton	Slipped in stokehold.
" 24	Orepuki, Lyttelton	R. J. Smith, assistant steward	Scalded	Lyttelton	Spilt boiling water over face.
" 14	Mararoa, Dunedin	R. J. Newell, greaser	Injured finger	At sea	Finger caught in machinery.
" 1	Kiritonia, Napier	H. C. Payne, cook	Injured leg	Gisborne	Fell on ladder.

July	6	Flora, Dunedin	G. H. Grey, mate	Injured leg	At sea	Hit leg against coamings.
"	7	Kavau, Auckland	James Neaves, fireman	Injured finger	At sea	Caught finger in machinery.
"	12	Houto, Auckland	— McGillivray, O.S.	Injured foot	Onehunga	Hit by sling of timber.
"	9	Rarawa, Auckland	E. Hartings, fireman	Scalded	Onehunga	Spilt boiling water on shoulder.
"	19	Moeraki, Dunedin	J. Ford, fireman	Sprained foot	At sea	While at work in stokehold.
"	28	Queen of the South, Wellington	S. Scott, fireman	Burnt hand	Foxton	Through hand coming in contact with steam-pipe.
"	26	Kapuni, Wellington	W. Alto, A.B.	Injury muscles	At sea	Fell against rail through ship rolling.
"	22	Kini, Dunedin	J. Young, A.B.	Injured knee	At sea	Fell against hatch.
"	13	Mako, Napier	F. Brassington, assist. steward	Poisoned thumb	At sea	Fell in the coal-bunkers.
"	28	Putiki, Wellington	W. Goff, O.S.	Rupture	At sea	Rupture cerebral artery.
"	29	Katoa, Dunedin	J. Driscoll	Rupture	At sea	Rupture, result of strain.
"	18	Rimu, Auckland	S. S. Graham, cadet	Crushed foot	Kohukohu	Caught between quadrant and chock.
"	23	Ahuriri, Napier	J. B. Rankin	Broken ankle	At sea	Broken ankle.
"	21	Katoa, Dunedin	F. Wade, greaser	Sprained back	Wellington	Slipped on ladder in engine-room.
"	25	Aharua, Auckland	J. Johnson, A.B.	Severe injury to head	Auckland	Fell over board, striking the propeller.
Aug.	2	Echo, Napier	R. T. Fraser, A.B.	Injured leg	Wellington	Leg caught in cable chain.
"	9	Pateenua, Dunedin	F. Bishop, steward	Injured thumb	Wellington	While working cargo.
"	8	Pateenua, Dunedin	A. Linton, trimmer	Injured hand	At sea	Got hand caught in ash hoist.
"	12	Arahura, Dunedin	B. Dunn, cadet	Injured knee	Napier	Whilst cleaning fell off stool.
"	8	Te Anau, Dunedin	T. White, fireman	Injured chest	At sea	Fell against hatch.
"	1	Warrimoo, Dunedin	C. Johnson, fireman	Burnt face, &c.	At sea	While cleaning fires.
"	22	Tasman, Auckland	J. Stewart, A.B.	Bruised hand	Auckland	Whilst working cargo.
"	28	Flora, Dunedin	G. Miller, A.B.	Ricked back	At sea	Whilst pulling up ashes.
"	21	Te Ahina, Auckland	R. Low, A.B.	Injured testicles	Auckland	Fell astride the washboard.
"	20	Haere, Auckland	L. Hansen, A.B.	Hurt patella	Ngunguru	Slipped while working winch.
"	8	Haere, Auckland	P. Peterson, fireman	Stunned	Auckland	Hit by main boom.
"	16	Corinna, Dunedin	W. Hogben, fireman	Contused knee	At sea	Slipped in stokehold.
"	1	Tarawera, Dunedin	O. Lynch, trimmer	Sprained wrist	At sea	Tripped on foredeck.
"	28	Tarawera, Dunedin	R. E. Wilkinson, trimmer	Poisoned thumb	At sea	Cut thumb on barrow.
"	6	Kurow, Dunedin	R. Chaffers, A.B.	Injured back	Kaipara	Slipped on timber on deck.
"	8	Moeraki, Dunedin	T. Ryan, trimmer	Broken rib	At sea	Fell in the coal-bunkers.
"	16	Alexander, Nelson	H. Marshall, A.B.	Broken rib	Greymouth	Slipped and fell on deck.
"	30	Mapourika, Dunedin	T. Boardman, fireman	Feet scalded	At sea	Scalded by leak in boiler.
"	7	Maori, Dunedin	F. H. L. Stidolph, engineer	Injured foot	Wellington	Baffle-plate fell on foot.
"	30	Te Anau, Dunedin	S. Silva, trimmer	Strained	Napier	While working in bunker.
"	9	Maori, Dunedin	B. Janeen, boy	Burnt hand	At sea	Burnt hand.
"	13	Maori, Dunedin	D. J. Davies, trimmer	Sprained knee	At sea	Slipped on fo'sle ladder.
"	26	Kapiti, Wellington	W. McIntosh, mate	Injured leg	Wellington	Caught by towline.
"	27	Ngatoro, Wellington	E. Pedersen, A.B.	Injured finger	Lyttelton	Caught in windlass machinery.
"	2	Maitai, Dunedin	W. Brittain, fireman	Poisoned hand	Tahiti	While working in stokehold.
"	22	Leitrim, Auckland	F. Sarsen, carpenter	Cut head	Auckland	Injured by fall of lift.
"	14	Wanaka, Dunedin	J. Eade, fireman	Cut hand	At sea	While lifting bunker-door.
"	12	Tasman, Auckland	J. Turrall, fireman	Strained back	Auckland	Whilst working cargo.
"	8	Kanieri, Auckland	H. Larsen, A.B.	Ulcerated leg	Auckland	Injured while discharging cattle.
Sept.	10	Rarawa, Auckland	M. Grotti, trimmer	Injured ankle	At sea	Slipped on plates in stokehold.
"	1	Huia, Auckland	G. Whig, mate	Burnt hands	Auckland	Haywards shipped through hands.
"	16	Mapourika, Dunedin	T. Cuthbert, fireman	Poisoned hand	At sea	Burnt hand.
"	11	Maori, Dunedin	J. McAlister, fireman	Crushed fingers	Wellington	Bracket fell on right hand.
"	5	Mapourika, Dunedin	J. Gibson, fireman	Feet scalded	At sea	Scalded by leak in boiler.
"	7	Pohorua, Dunedin	R. O. Craig, chief steward	Injured ankle	At sea	Thrown against stanchion.
"	29	Tamwha, Auckland	G. Gibson, boy	Injured left shoulder	Paeoa	Fell down the hold.
"	4	Kini, Dunedin	T. Brown, cook	Cut hand	At sea	Severely cut hand.
"	19	Glenelg, Auckland	F. C. Oakes, A.B.	Jammed hand	Auckland	Whilst coaling.

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

Date of Accident.	Name of Vessel and 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 Coroner's Inquest held.
1916.					
Sept. 12	Glenelg, Auckland..	L. Billett, O.S.	Hernia ..	Auckland ..	Strained groin when stepping ashore.
" 12	Talune, Hobart ..	W. G. Short, trimmer	Lacerated foot ..	Suva, Fiji ..	Slipped through timbers.
" 19	Kaitangata, Dunedin ..	L. G. Liley, 3rd mate	Crushed ribs ..	Auckland ..	Slipped on bridge-ladder.
" 19	Clansman, Auckland ..	C. Taylor, A.B.	Strained muscles ..	Auckland ..	Whilst discharging cargo.
" 16	Isabella de Fraigne, Auckland	C. King, A.B.	Injured ankle ..	Auckland ..	Injured by sling of cargo.
" 27	Herald, Auckland ..	S. Martial, A.B.	Twisted left leg ..	Auckland ..	Whilst loading fire-clay.
" 5	Kahika, Wellington ..	W. Cape, cook	Lacerated fingers ..	At sea ..	Injured by ice-chest.
" 25	Kennedy, Nelson ..	W. Kinklands, assistant steward	Internal injuries ..	At sea ..	Fell on bunker cover.
" 27	Konata, Dunedin ..	Geo. Evans, assistant cook	Injured head ..	At sea ..	Fell against galley.
" 4	Maitai, Dunedin ..	G. Griffiths, assistant steward	Injured eye ..	At sea ..	Ammonia spilt into eye.
" 28	Fairburn, Auckland ..	Wm. Sutcliffe, A.B.	Injured right hand ..	Auckland ..	Slipped when stepping ashore.
" 15	Monowai, Dunedin ..	J. C. McLean, mate	Acid burns ..	Auckland ..	Acid explosion.
" 8	Wootton, Lyttelton ..	A. Paulsen, A.B.	Fractured toe ..	Wellington ..	Injured by fall of iron plate.
Oct. 8	Kanieri, Auckland ..	T. Dale, fireman ..	Bruised left leg ..	At sea ..	Slipped on engine-room plates.
" 3	Patea, Dunedin ..	W. Chalmers, 3rd cook	Cut thumb ..	Lyttelton ..	Whilst cutting vegetables.
" 5	Manuka, Dunedin ..	R. Johns, O.S.	Poisoned finger ..	Sydney ..	Whilst handling wire.
" 12	Kamona, Dunedin ..	F. Chapman, O.S.	Burnt hand ..	Wellington ..	Burnt hand cleaning lamp.
" 15	Gael, Auckland ..	J. Bart, fireman ..	Internal injuries ..	Akiles Bay ..	Attending to ventilators.
" 20	Clansman, Auckland ..	A. McIntyre, cook ..	Lacerated finger ..	Auckland ..	Attending to ice-box.
" 10	Mararoa, Dunedin ..	W. Briggs, Peggy ..	Contusion elbow ..	Dunedin ..	Slipped with tea.
" 16	Kahika, Wellington ..	T. Boylan, A.B.	Injured finger ..	Westport ..	Crushed between winch and wharf.
" 14	Wakatui, Wellington ..	A. Anderson, A.B.	Concussion of brain ..	Lyttelton ..	Fell between ship and wharf.
" 25	Takapuna, Dunedin ..	D. Petersen, A.B.	Injured finger ..	Nelson ..	Jammed between rope and rail.
" 24	Mapourika, Dunedin ..	H. Collins, 2nd cook ..	Injured ribs ..	Dunedin ..	Fell over coal-tram on deck.
" 25	Kaipoi, Dunedin ..	J. Dooley, greaser ..	Strained muscles ..	At sea ..	During greasing operations.
" 25	Ngatiawa, Auckland ..	D. McCormack, A.B.	Injured testicles ..	Greytown ..	While lashing down cargo.
" 9	Talune, Hobart ..	J. Webster, greaser ..	Injured back ..	Ohawa ..	When working cargo.
" 26	Maori, Dunedin ..	S. Buchanan, 5th engineer ..	Scalded face ..	Auckland ..	Cap of boiler blew out.
" 25	Ngahere, London ..	D. Quilligan, A.B.	Injured right toe ..	Lyttelton ..	Crushed in No. 1 winch.
Nov. 1	Ngapuhi, Auckland ..	A. Dimery, O.S.	Injured foot ..	Napier ..	Struck foot on winch.
" 2	Arapawa, Auckland ..	C. Lindgren, A.B.	Twisted leg ..	Auckland ..	Slipped on deck.
" 3	Kotiti, Auckland ..	A. Anderson, O.S.	Jammed fingers ..	Opunake ..	Whilst boating cargo.
" 17	Akaroa, Auckland ..	J. Johanson, A.B.	Strained back ..	At sea ..	Up-ending bale of wool.
" 10	Alexander, Nelson ..	O. Beattie, fireman ..	Bruised foot ..	Whakatane ..	Cattle-fittings fell on foot.
" 1	Arahura, Dunedin ..	J. Stronzo, A.B.	Strained wrist ..	Nelson ..	Slipped down ladder.
" 2	Talune, Hobart ..	G. Jackson, fireman ..	Injured jaw ..	Gisborne ..	Whilst cleaning steering gear.
" 8	Ngaru, Auckland ..	T. Umholdt, A.B.	Injured rib, back ..	Suva ..	Fell down the stokehold.
" 27	Clansman, Auckland ..	C. Cross, A.B.	Sprained ankle ..	Auckland ..	Slipped in dinghy.
" 24	Kopu, Auckland ..	R. Bailey, deck hand ..	Sprained ankle ..	Waiheke ..	Whilst discharging cargo.
" 18	Tarawera, Dunedin ..	H. O'Connor, trimmer ..	Septic ulcer ..	Lyttelton ..	Burnt foot in uptake of stokehold.
" 18	Maori, Dunedin ..	H. Russell, assistant steward	Inflamed glands ..	Lyttelton ..	Cut feet, wounds became septic.
" 24	Opouri, Lyttelton ..	C. Cornelison, cook ..	Cut thumb ..	Lyttelton ..	Whilst cutting chops.
" 9	Maitai, Dunedin ..	A. Carter, steward ..	Injured wrist ..	Wellington ..	Tore wrist on wire band of box.
" 9	Maitai, Dunedin ..	J. Kere, trimmer ..	Injured head ..	Tahiti ..	Piece of coal fell on his head.
" 13	Takapuna, Dunedin ..	J. Menton, assistant steward..	Injured knee ..	At sea ..	Slipped downstairs.



Dec. 5	Manuka, Dunedin ..	P. Duffy, fireman ..	..	Sprained wrist	..	Wellington	Slipped on deck.
" 3	Maori, Dunedin ..	P. Sowden, 3rd cook	..	Injured hand	..	At sea	Fell and glass broke in hand.
" 21	Aratapu, Lyttelton ..	G. Watts, A.B. ..	..	Injured finger	..	Kaipara	Jammed finger in winch-cog.
" 6	Moeraki, Dunedin ..	T. Ferrier, fireman ..	..	Poisoned finger	..	At sea	Burns from fires.
" 12	Mapourika, Dunedin ..	W. Landgreen, fireman	..	Injured back	..	Wellington	Case of iron fell on back.
" 22	Wallsend, Victoria ..	G. A. Patterson, A.B.	..	Strained heart	..	Wellington	Slipped on deck.
" 29	Mapourika, Dunedin ..	J. Ryan, fireman ..	..	Burnt face, &c.	..	At sea	While at work fire blew out.
" 12	Mapourika, Dunedin ..	J. Jensen, fireman ..	..	Injured knee	..	Wellington	Slipped in fore-castle.
" 17	Riverina, Victoria ..	T. Wilson, fireman ..	..	Injured knee	..	At sea	While firing struck knee.
" 20	Queen of South, Wellington	H. Gunn, fireman ..	..	Contusion of rib	..	At sea	While going up stokehold-ladder.
1917.							
Jan. 19	Kamona, Dunedin ..	D. Wilson, A.B. ..	..	Injured head and chest	..	Westport	Struck by derrick.
" 9	Mararoa, Dunedin ..	H. Fitzhall, scullion	..	Cut head	..	At sea	Heavy seas, fell on deck.
" 2	Ngahere, London ..	H. Jables, A.B. ..	..	Bruised arm	..	Wellington	Beam hit right shoulder.
" 9	Mapourika, Dunedin ..	W. Landgreen, fireman	..	Injured fingers	..	Wellington	Caught in machinery.
" 9	Mania, Auckland ..	— Martial, A.B. ..	..	Bruised shoulder	..	Onerahi	Hatch fell on shoulder.
" 18	Rarawa, Auckland ..	G. White, A.B. ..	..	Cut hand	..	Rarawa	Caught finger on rusty nail.
" 23	Talune, Hobart ..	J. McLean, 3rd engineer	..	Ricked back	..	Surva	While working at engines.
" 21	Rarawa, Auckland ..	A. Barlow, A.B. ..	..	Fractured rib	..	Onehunga	Fell on gangway.
" 21	Pateena, Dunedin ..	H. J. Quinn, assistant steward	..	Injured shoulder	..	Nelson	..
" 15	Kowhai, Dunedin ..	G. Dixon, fireman ..	..	Strained back	..	Dunedin	Fell in stokehold.
" 20	Corinna, Dunedin ..	D. Williamson, A.B.	..	Strained back	..	New Plymouth	Slipped on deck.
" 12	Waikawa, Dunedin ..	A. Hogan, trimmer ..	..	Injured ankle	..	At sea	Slipped in bunker.
" 18	Mapourika, Dunedin ..	W. Ives, assistant steward	..	Injured elbow	..	At sea	While scrubbing.
" 5	Comadale, London ..	J. Aroca, fireman ..	..	Poisoned fingers	..	At sea	While in engine-room.
" 11	Waitangi, Auckland ..	F. Morgan, A.B. ..	..	Cut arm ..	..	Whangaroa	While painting ship.
Feb. 8	Rarawa, Auckland ..	J. Stock, chief steward	..	Injured side	..	At sea	Fell against side of ship.
" 5	Maori, Dunedin ..	D. McDonald, fireman	..	Strained leg	..	At sea	While slicing fires.
" 9	Koromiko, Dunedin ..	L. Palmer, O.S. ..	..	Ulcerated hand	..	Lyttelton	While opening tin.
" 2	Calm, Lyttelton ..	J. J. Calm, fireman ..	..	Burnt elbow	..	Wanganui	Struck elbow in engine-room.
" 13	Kaipoi, Dunedin ..	T. Martin, boy ..	..	Scalded arm	..	At sea	Through soup-can upsetting.
" 6	Tarawera, Dunedin ..	G. Dahlgren, stewardess	..	Sprained ankle	..	Wellington	Slipped on deck.
" 20	Regulus, Nelson ..	J. Connor, fireman ..	..	Injured leg	..	At sea	Fell down stokehold.
" 20	Rosamond, Dunedin ..	C. Butler, fireman ..	..	Scalded ..	..	Grey-mouth	By hot water from boiler.
" 13	Pelican, Auckland ..	J. Faulkner, A.B. ..	..	Crushed fingers	..	Whangarei	Whilst stowing anchor.
" 22	Kamona, Auckland ..	R. Stanlake, O.S. ..	..	Cut arm ..	..	Auckland	While cleaning lamp.
Mar. 2	Mararoa, Dunedin ..	B. Bryant, trimmer	..	Abscess on elbow	..	Lyttelton	Whilst trimming coals.
" 5	Mararoa, Dunedin ..	G. H. Stevens, 2nd engineer	..	Injured groin	..	At sea	Fell against steam-pipe.
" 2	Maori, Dunedin ..	L. G. Keys, assistant steward	..	Injured back	..	At sea	Fell down stairway.
" 9	Mapourika, Dunedin ..	W. J. Murray, 2nd cook	..	Injured back	..	Grey-mouth	Fell on deck.
" 12	Ripple, Napier ..	F. Robertson, A.B.	..	Injured back	..	Akitio	Jammed between boat and sling.

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, 1917.

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid in Wages, Maintenance, &c.		
			£	s.	d.
Atkin, J. .. ..	Warrimoo .. ..	Hæmorrhage .. ..	17	8	6
Armstrong, J. .. ..	Maori .. ..	Influenza .. ..	8	8	10
Argent, G. .. ..	Tahiti .. ..	Appendicitis .. ..	12	16	6
Adams, W. .. ..	Maori .. ..	General debility .. ..	10	19	0
Alquist, L. .. ..	Maitai .. ..	Ulcerated feet .. ..	5	13	0
Appelton, J. .. ..	Kahika .. ..	Rheumatic fever .. ..	47	0	5
Allen, E. .. ..	Maori .. ..	Crushed finger .. ..	8	13	6
Alland, J. .. ..	Victoria .. ..	Rupture .. ..	35	4	1
Alander, K. .. ..	Kia Ora .. ..	Rupture .. ..	5	11	4
Alto, W. .. ..	Kapuni .. ..	Injured foot .. ..	27	6	6
Anderson, A. .. ..	Kapiti .. ..	Injured muscles .. ..	35	7	6
Alquist, L. .. ..	Moana .. ..	Abscess under ear .. ..	13	0	0
Albert, H. .. ..	Manuka .. ..	Gastritis .. ..	40	2	1
Anderson, A. .. ..	Kotiti .. ..	Strained back .. ..	8	16	8
Anderson, A. .. ..	Wakatu .. ..	Concussion of brain .. ..	14	18	5
Allam, — .. ..	Waiotahi .. ..	Lumbago .. ..	9	14	0
Aiken, C. .. ..	Kowhai .. ..	Debility .. ..	14	14	6
Alexander, G. .. ..	Mapourika .. ..	Influenza .. ..	15	19	0
Aroca, J. .. ..	Annandale .. ..	Poisoned finger .. ..	13	19	3
Ashman, J. .. ..	Opawa .. ..	Gastritis .. ..	6	10	0
Brown, T. .. ..	Kini .. ..	Severely cut hand .. ..	10	1	4
Barker, William .. ..	Kaitoa .. ..	Injured foot .. ..	13	12	3
Baxter, J. T. J. .. ..	Nikau .. ..	Acute rheumatism .. ..	24	6	10
Boardman, Thomas .. ..	Mapourika .. ..	Scalded feet .. ..	27	12	4
Bruce, R. .. ..	Tarawera .. ..	Injured eye .. ..	22	8	11
Bullock, G. .. ..	Corinna .. ..	Injured foot .. ..	25	17	6
Blair, D. .. ..	Tofua .. ..	Injured thumb .. ..	9	5	0
Brassington, F. .. ..	Mako .. ..	Cut thumb .. ..	14	2	2
Beecroft, A. .. ..	Maori .. ..	Measles .. ..	8	10	4
Brigman, W. .. ..	Mararoa .. ..	Ulcer on wrist .. ..	9	13	0
Bass, W. .. ..	Wairuna .. ..	Congestion of liver .. ..	8	16	6
Beattie, J. .. ..	Kini .. ..	Gastritis .. ..	19	2	11
Bryant, J. W. .. ..	Maori .. ..	Influenza .. ..	8	13	6
Blomgren, M. .. ..	Kapiti .. ..	Injured leg .. ..	11	3	3
Brown, E. .. ..	Himitangi .. ..	Influenza .. ..	3	4	6
Barry, George .. ..	Kanieri .. ..	Influenza .. ..	10	18	0
Baker, W. .. ..	Waiotahi .. ..	Left hand cut .. ..	12	13	4
Brown, P. .. ..	Pateena .. ..	Ricked knee .. ..	8	17	11
Breen, J. .. ..	Komata .. ..	Injured back .. ..	9	5	6
Burke, D. .. ..	Maori .. ..	Influenza .. ..	11	7	1
Ball, R. .. ..	Kurow .. ..	Lumbago .. ..	17	13	0
Bishop, F. .. ..	Pateena .. ..	Dislocated thumb .. ..	10	18	1
Bryant, George .. ..	Pelican .. ..	Inflammation of throat .. ..	17	19	7
Bodoo, Ellie Bux .. ..	Aparima .. ..	Internal complaint .. ..	26	5	0
Brittain, W. .. ..	Maitai .. ..	Poisoned hand .. ..	29	7	6
Billett, — .. ..	Glenelg .. ..	Hernia .. ..	10	4	9
Bart, J. .. ..	Gael .. ..	Internal injuries .. ..	20	8	3
Briggs, W. .. ..	Mararoa .. ..	Cutused left elbow .. ..	6	1	7
Boylan, T. .. ..	Kahiki .. ..	Injured finger .. ..	12	0	3
Beattie, J. .. ..	Alexander .. ..	Strained wrist .. ..	9	6	0
Bernesee, R. .. ..	Apanui .. ..	Measles .. ..	6	1	10
Bailey, R. .. ..	Kopu .. ..	Sprained ankle .. ..	13	11	11
Buchanan, S. .. ..	Maori .. ..	Injured toe .. ..	26	7	6
Ballinger, J. .. ..	Takapuna .. ..	Gastritis .. ..	31	10	2
Buchanan, S. .. ..	Maori .. ..	Bronchial catarrh .. ..	12	5	8
Butler, C. .. ..	Rosamond .. ..	Scalded .. ..	7	7	11
Bulow, W. .. ..	Poherua .. ..	Appendicitis .. ..	26	3	2
Brown, J. .. ..	Waihemo .. ..	Appendicitis .. ..	11	4	6
Bishop, W. H. .. ..	Waikawa .. ..	Keratitis .. ..	10	0	3
Bryant, B. .. ..	Mararoa .. ..	Abscess on elbow .. ..	8	7	6
Barlow, A. .. ..	Rarawa .. ..	Fractured rib .. ..	22	10	8
Brailey, A. .. ..	Manuka .. ..	Fireman's back .. ..	14	16	5
Bell, J. .. ..	Manuka .. ..	Inflamed foot .. ..	10	15	8
Billige, — .. ..	Waitotara .. ..	Appendicitis .. ..	2	15	0
Chaffers, Ralph .. ..	Kurow .. ..	Injured back .. ..	15	19	7
Cornwall, G. .. ..	Maitai .. ..	Injured wrist .. ..	13	0	0
Charlton, V. .. ..	Maori .. ..	Measles .. ..	14	19	6
Crymwell, C. .. ..	Ripple .. ..	Poisoned hand .. ..	14	16	11
Collins, E. .. ..	Niwaru .. ..	Dislocated wrist .. ..	16	12	6
Chisholm, J. .. ..	Mimiro .. ..	Abscess on jaw .. ..	2	14	0
Cook, A. .. ..	Waitemata .. ..	Gastric ulcer .. ..	26	13	5
Cooper, W. .. ..	Clansman .. ..	Sprained wrist .. ..	4	2	5
Carroll, M. .. ..	Kaitoa .. ..	Injured arm and leg .. ..	12	11	5
Catterall, J. .. ..	Maori .. ..	Strained elbow .. ..	9	5	7
Cole, G. .. ..	Maori .. ..	Rheumatism .. ..	12	4	1
Cooper, G. .. ..	Mararoa .. ..	Lumbago .. ..	10	17	1
Cohen, C. .. ..	Moeraki .. ..	Piles .. ..	11	14	7
Coleclough, E. .. ..	Komata .. ..	Neuritis .. ..	18	9	0
Chapman, F. .. ..	Kamona .. ..	Injured hand .. ..	7	17	6
Cuthbert, — .. ..	Mapourika .. ..	Poisoned hand .. ..	12	1	6
Carmichael, H. .. ..	Tc Anau .. ..	Inflammation of kidneys .. ..	13	0	0

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

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid in Wages, Maintenance, &c.
			£ s. d.
Crosby, H. .. ..	Ngakuta .. ..	Pains inwardly .. ..	15 17 3
Cole, F. .. ..	Mako .. ..	Strained muscles .. ..	12 19 7
Calm, J. J. .. ..	Calm .. ..	Burnt elbow .. ..	16 18 7
Connor, James .. ..	Regulus .. ..	Injured leg .. ..	17 1 10
Carnahan, R. .. ..	Wairau .. ..	Muscular rheumatism .. ..	13 11 8
Carter, A. .. ..	Maitai .. ..	Injured wrist .. ..	8 1 0
Cornelinson, C. .. ..	Opouri .. ..	Cut thumb .. ..	10 12 7
Carroll, H. .. ..	Ngatoro .. ..	Laryngitis .. ..	20 10 7
Cross, C. .. ..	Clansman .. ..	Strained neck .. ..	7 13 7
Carnon, F. .. ..	Kaitangata .. ..	Injured stomach .. ..	19 17 8
Connor, J. .. ..	Regulus .. ..	Injured leg .. ..	17 1 10
Cooper, H. .. ..	Mararoa .. ..	Gastritis .. ..	44 16 8
Collins, H. .. ..	Mapourika .. ..	Injured ribs .. ..	8 6 8
Chape, W. .. ..	Kahika .. ..	Lacerated finger .. ..	26 15 4
Chalmers, .. ..	Pateena .. ..	Cut thumb .. ..	7 8 9
Curtis, E. .. ..	Warrimoo .. ..	Excema .. ..	27 2 11
Craig, R. .. ..	Poherea .. ..	Injured ankle .. ..	25 16 1
Cannen, T. .. ..	Canopus .. ..	Acute appendicitis .. ..	40 9 7
Carroll, William .. ..	Kaitangata .. ..	Asthma .. ..	17 4 6
Driscoll, J. .. ..	Katoa .. ..	Rupture .. ..	27 8 9
Doherty, E. A. .. ..	Monowai .. ..	Burnt hands .. ..	12 1 6
Duvalve, G. .. ..	Kamo .. ..	Gastritis .. ..	19 2 11
Douglas, M. .. ..	Clansman .. ..	Crushed finger .. ..	6 14 10
De la Roch, A. .. ..	Wanaka .. ..	Poisoned fingers .. ..	8 2 6
Doyle, E. .. ..	Kowhai .. ..	Internal injuries .. ..	17 8 9
Dakler, W. .. ..	Poherea .. ..	Ulcerated leg .. ..	9 18 2
Daly, T. .. ..	Manuka .. ..	Poisoned hand .. ..	10 11 2
Duffel, C. .. ..	Chelmsford .. ..	Tonsillitis .. ..	8 10 2
Dukitig, W. J. .. ..	Maitai .. ..	Swelling on groin .. ..	22 9 6
Davis, R. .. ..	Ulimaroa .. ..	Injured knee .. ..	10 1 4
Daniles, W. .. ..	Rakanoa .. ..	Injured groin .. ..	15 6 0
Dunn, B. .. ..	Arahura .. ..	Injured right knee .. ..	6 18 1
Dale, V. .. ..	Daphne .. ..	Measles .. ..	4 14 9
Davies, D. J. .. ..	Karu .. ..	Sprained left knee .. ..	11 16 11
Dooley, J. .. ..	Takapuna .. ..	Strained abdominal muscles .. ..	13 5 7
Duffy, P. .. ..	Manuka .. ..	Sprained wrist .. ..	8 12 1
Diefenhall, F. .. ..	Waipu .. ..	Lumbago .. ..	14 0 6
Dahlgream, — .. ..	Tarawera .. ..	Sprained ankle .. ..	16 3 6
Dion, G. .. ..	Kowhai .. ..	Strained back .. ..	29 5 10
Davies, A. .. ..	Mararoa .. ..	Nervous breakdown .. ..	7 14 3
Dickson, James .. ..	Monowai .. ..	Sciatica .. ..	7 10 0
Daken, F. .. ..	Mapourika .. ..	Measles .. ..	9 0 10
Demery, A. .. ..	Ngapuhi .. ..	Twisted left leg .. ..	8 3 5
Delay, James .. ..	Ngapuhi .. ..	Both legs cut off .. ..	15 15 0
Dale, T. .. ..	Kanieri .. ..	Injured leg .. ..	7 15 3
Evane, George .. ..	Komata .. ..	Injured face .. ..	11 9 6
Elworthy, J. E. .. ..	Waipori .. ..	Hernia .. ..	39 3 8
Emery, W. .. ..	Tarawera .. ..	Pleurisy .. ..	10 10 8
Ebrahim Sui Yukd .. ..	South Africa .. ..	Not diagnosed .. ..	3 10 0
Evans, W. P. .. ..	Pateena .. ..	German measles .. ..	9 1 6
Eade, J. .. ..	Wanaka .. ..	Cut hand .. ..	11 16 10
Elliott, O. A. D. .. ..	Monowai .. ..	Measles .. ..	10 14 4
Finnelly, W. A. .. ..	Lindstol .. ..	Tuberculosis .. ..	14 0 0
Fahey, J. .. ..	Moana .. ..	Injured wrist .. ..	4 0 0
Fotheringham, W. .. ..	Komata .. ..	Injured back, head, and arm .. ..	17 5 0
Finnelly, W. A. .. ..	Lindstol .. ..	Ruptured right side .. ..	15 7 4
Freland, F. .. ..	Ngatiawa .. ..	Strained back .. ..	24 17 9
Finn, W. .. ..	Ngapuhi .. ..	Strained side .. ..	18 13 0
Ford, J. .. ..	Moeraki .. ..	Sprained foot .. ..	17 7 1
Fraser, R. T. .. ..	Echo .. ..	Injured leg .. ..	10 9 4
Faulkner, J. .. ..	Pelican .. ..	Crushed fingers .. ..	10 7 6
Field, A. .. ..	Hawera .. ..	Gastro-enteritis .. ..	21 13 10
Ferguson, W. .. ..	Kokiri .. ..	Inflamed veins .. ..	17 16 7
Flanagan, — .. ..	Kowhai .. ..	Inflammation of tongue .. ..	14 8 0
Foster, J. .. ..	Mararoa .. ..	Gastric catarrh .. ..	5 14 10
Ferrier, T. .. ..	Moeraki .. ..	Poisoned arm .. ..	13 6 5
Fisthall, H. .. ..	Mararoa .. ..	Cut head .. ..	7 2 9
Findlay, R. .. ..	Kapuni .. ..	Boils .. ..	13 2 0
Fraser, J. .. ..	Mararoa .. ..	Gastritis .. ..	17 10 3
Finn, W. .. ..	Rimu .. ..	Poisoned finger .. ..	21 17 9
Finch, C. W. .. ..	Maori .. ..	Inflamed glands .. ..	9 6 5
Fortune, W. .. ..	Delphic .. ..	Phthisis .. ..	13 5 0
Gorman, A. .. ..	Mararoa .. ..	Conjunctivitis .. ..	8 15 5
Gosling, W. .. ..	Rosamond .. ..	Injured eye .. ..	20 16 2
Gallagher, J. .. ..	Somerset .. ..	Asthma .. ..	5 5 6
Gibson, C. R. .. ..	Mapourika .. ..	Appendicitis .. ..	24 13 7
Gustafen, — .. ..	Kapiti .. ..	Fractured rib .. ..	8 7 5
Fabrileson, W. .. ..	Stormbird .. ..	Injured leg .. ..	18 12 10
Garvie, E. J. .. ..	Waimarie .. ..	Crushed hand .. ..	20 4 4
Gray, S. .. ..	Whangape .. ..	Erysipelas .. ..	6 7 0
Gordon, A. .. ..	Te Aroha .. ..	Injured head .. ..	12 12 3

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

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid in Wages, Maintenance, &c.		
			£	s.	d.
Garan, J.	Flora	Strained heart	19	2	6
Gower, A.	Regulus	Pneumonia	13	2	10
Grey, G. H.	Flora	Injured leg	25	15	10
Gorman, A.	Mararoa	Bronchitis	7	17	11
Garrian, G.	Onega	Lumbago	3	0	0
Gordon, F.	Pakeha	Strained old rupture	10	4	5
Grotti, M.	Rarawa	Injured ankle	13	14	6
Griffith, G.	Maitai	Injured eyes	3	13	6
Griffin, H.	Manuka	Gastritis	17	9	10
Gibson, J.	Mapourika	Scalded foot	9	1	6
Garbett, K. M.	Mapourika	Health run down	12	12	9
Gunn, —	Queen of the South	Contusion of ribs	15	19	6
Ginlaford, W.	Navua	Appendicitis	18	9	6
Gillanders, I.	Kamo	Appendicitis	52	0	10
Gordon, G.	Rarawa	General debility	7	5	6
Gillies, A.	Karu	Bronchial catarrh	9	15	8
Goff, W.	Putiki	Ruptured artery	39	3	3
Gibson, G.	Taniwha	Injured shoulder	9	10	3
Graham, S. S.	Rimu	Crushed foot	29	0	0
Henry, A.	Nikau	Inflammation of tonsils	21	13	6
Hunter, P.	Karori	Strained back	16	17	3
Hogben, W.	Corinna	Contusion of right knee	11	6	2
Hogben, W.	Poherua	Injured eye	39	8	8
Humpherson, F.	Maori	Injured ribs	8	14	5
Hunter, J.	Ulimaroa	Measles	13	16	3
Holmes, W.	Maori	Poisoned finger	7	11	1
Hanham, F.	Manaia	Ulcerated stomach	13	9	8
Hill, Sam	Kopu	Injured head	13	4	5
Horsby, J. C.	Daphne	Injured spine	10	1	9
Haslam, T. E.	Corinna	Varicosecele	14	9	8
Higgins, C.	Kini	Injured knee	7	16	4
Hanham, F.	Manaia	Gastritis	11	3	2
Harris, K.	Maori	Bronchitis	10	7	6
Harlings, E.	Rarawa	Scalded shoulder	34	8	3
Hansen, T.	Haere	Injured kneecap	7	12	9
Hill, B.	Clansman	Typhoid fever	36	13	8
Hands, J.	Ngakuta	Influenza	11	5	2
Harnes, W.	Komata	Measles and bronchitis	20	7	9
Harper, J.	Kini	Dyspepsia	17	16	4
Hogan, A.	Waikawa	Injured ankle	6	13	0
Han, A.	Dongarra	Poisoned foot	10	10	6
Hagen, W.	Mararoa	Gastritis	9	4	11
Harris, G. R.	Maori	Influenza	10	7	5
Hearne, W. T.	Corinna	Rheumatism	21	1	8
Hughson, G. H.	Pateena	German measles	9	1	6
Isbister, W.	Tarawera	Pleurisy	13	7	5
Ives, W.	Mapourika	Injured elbow	10	18	8
Jacobsen, R.	Kahika	Bladder trouble	13	15	5
Jones, T.	Nikau	Injured by explosion	30	14	10
Jensen, S.	Tarawera	Appendicitis	16	12	11
Jensen, B.	Maori	Influenza	4	6	9
Johnson, C.	Aupouri	Bruised head	14	19	2
Joyce, W.	Ngatoro	Liver trouble	31	3	2
Johnson, C.	Warrimoo	Face and arms burnt	25	2	0
Janeen, B.	Maori	Burnt	5	13	6
Johns, R.	Manuka	Poisoned finger	10	13	7
Jackson, G.	Talune	Injured rib and back	15	5	7
Johanson, J.	Akaroa	Injured head and leg	20	11	4
Johansen, J.	Hawera	Stiff neck	8	19	6
Jenson, J.	Awahou	Rash on body	19	7	0
Jensen, J.	Mapourika	Injured hand	19	17	0
Jables, H.	Ngahero	Bruised shoulder	10	16	10
Johanson, J.	Akaroa	Bruised toe	20	11	4
Kennedy, A.	Maori	Gastritis	12	1	7
Kennedy, R.	Kaitoa	Influenza	10	2	4
Knight, R.	Willochra	Gastritis	12	2	11
Knock, T.	Westralia	Injured knee	10	14	3
Kerr, J.	Te Anau	Strained back	14	17	1
Klungland, J.	Moana	Nasal catarrh	24	16	0
Knox, E. J. J.	Waihora	Rupture	14	8	4
Kennedy, R.	Kaitoa	Lumbago	16	8	0
Keyworth, H.	Mararoa	Septic throat	13	15	3
Keyworth, H. R.	Pateena	Poisoned leg	21	14	8
Keys, S. C.	Maori	Injured groin	11	14	5
Knight, T. E.	Takapuna	Quinsy	9	17	4
Klungland, —	Takapuna	Malaria	9	2	4
King, C.	Isabella de Fraine	Injured ankle	19	14	4
Kniland, W.	Kennedy	Internal injuries	14	12	0
Kere, J.	Maitai	Injured head	9	17	6
Lynch, O.	Tarawera	Sprained wrist	18	9	8
Lauring, J.	Mararoa	Septic throat	10	4	1
Levistan, A.	Paloona	Swelling on left arm	111	6	0
Lethaby, T.	Chelmsford	Crushed leg	30	7	0
Lyons, W.	Pateena	Bronchitis	16	17	4
Loder, L. L.	Arapawa	Drowned	10	0	0

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

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid in Wages, Maintenance, &c.		
			£	s.	d.
Lopez, G. .. ..	Rakanoa .. ..	Injured hip .. ..	14	10	8
Levick, J. .. ..	Waipori .. ..	Rupture .. ..	8	1	1
Lyon, W. .. ..	Pateena .. ..	Asthma .. ..	21	14	11
Larsen, H. .. ..	Kanieri .. ..	Ulcerated leg .. ..	10	15	6
Low, R. .. ..	Te Awhina .. ..	Injured testicles .. ..	14	9	8
Linton, J. .. ..	Kini .. ..	Injured right hand .. ..	10	15	0
Lynch, C. .. ..	Manuka .. ..	Poisoned arm .. ..	17	1	1
Lush, E. .. ..	Ngakuta .. ..	Piles .. ..	21	9	6
Lawrence, H. .. ..	Maori .. ..	Gastritis .. ..	23	9	9
Langreen, W. .. ..	Mapourika .. ..	Injured fingers .. ..	11	5	5
Lynn, R. .. ..	Arahura .. ..	Influenza .. ..	12	17	3
Liley, L. G. .. ..	Kaitangata .. ..	Injured ribs .. ..	10	4	9
Lindgren, C. .. ..	Arapawa .. ..	Jambed finger .. ..	6	13	10
Lee, E. .. ..	Strathavon .. ..	Ulcerated leg .. ..	3	12	0
McLeary, Thomas .. ..	Wanaka .. ..	Ruptured varicose vein .. ..	13	6	0
McPherson, D. .. ..	Monowai .. ..	Broken rib .. ..	15	10	0
McInnes, J. .. ..	Willochra .. ..	Dyspepsia .. ..	16	15	8
McLeod, W. .. ..	Corinna .. ..	Gastro-enteritis .. ..	17	14	10
McAndrews, P. .. ..	Maunganui .. ..	Rheumatism .. ..	7	17	6
McNelly, F. .. ..	Ionic .. ..	Injury to back .. ..	3	11	0
McKenzie, Mrs. A. .. ..	Mapourika .. ..	Took ill .. ..	8	6	4
McLean, F. .. ..	Talune .. ..	Lumbago .. ..	14	10	6
McDonald, D. .. ..	Nikau .. ..	Cramps .. ..	11	7	4
McLean, D. .. ..	Takapuna .. ..	Sprained foot .. ..	11	1	10
McDonagh, P. .. ..	Ionic .. ..	General debility .. ..	12	3	6
McBride, P. .. ..	Warrimoo .. ..	Burnt eye .. ..	14	16	0
McNab, J. .. ..	Ruru .. ..	Muscular pains in neck .. ..	8	14	0
McCallum, D. .. ..	Mokoia .. ..	Piles .. ..	15	14	7
McDonald, W. .. ..	Maori .. ..	Influenza .. ..	13	13	5
McLaughlin, J. .. ..	Mapourika .. ..	Sciatica .. ..	11	13	11
McMurrick, J. .. ..	Maori .. ..	Poisoned throat .. ..	10	18	7
McArthur, A. .. ..	Corinna .. ..	Injured hand .. ..	40	16	3
McGune, N. .. ..	Ulimaroa .. ..	Typhoid fever .. ..	11	6	5
McNeil, R. .. ..	Kamo .. ..	Pains in back .. ..	8	7	7
McGillvray, D. .. ..	Houto .. ..	Injured foot .. ..	36	3	11
McGan, J. .. ..	Ngakuta .. ..	Bronchitis .. ..	14	3	3
McAlister, J. .. ..	Maori .. ..	Crushed finger .. ..	10	10	0
McIntosh, W. .. ..	Aparima .. ..	Injured leg .. ..	34	1	6
McLaughlin, C. .. ..	Moana .. ..	Rheumatism .. ..	50	0	0
McLure, J. .. ..	Mararoa .. ..	Abscess on arm .. ..	6	19	0
McIntyre, A. .. ..	Clansman .. ..	Lacerated left hand .. ..	11	2	4
McLean, J. C. .. ..	Monowai .. ..	Acid burns .. ..	18	10	4
McArthur, A. .. ..	Corinna .. ..	Quinsy .. ..	22	8	10
McKinnon, R. .. ..	Kanieri .. ..	Measles .. ..	9	14	0
McCormack, D. .. ..	Ngatiawa .. ..	Strained back .. ..	19	6	7
McConville, — .. ..	Takapuna .. ..	Bronchitis and acute pharyngitis .. ..	15	16	6
McGhee, J. .. ..	Pateena .. ..	Gastric catarrh .. ..	7	16	3
McLean, J. .. ..	Talune .. ..	Ricked back .. ..	14	3	5
McEachern, J. .. ..	Opawa .. ..	Rheumatic fever .. ..	15	2	0
McDonald, D. .. ..	Maori .. ..	Strained leg .. ..	10	14	6
McGhee, J. .. ..	Pateena .. ..	Gastritis .. ..	8	13	2
Maxwell, G. .. ..	Nikau .. ..	Injured by explosion .. ..	47	9	3
Marshall, H. .. ..	Alexander .. ..	Broken rib .. ..	12	14	4
Murphy, E. .. ..	Paloona .. ..	Cut wrist .. ..	11	2	6
Moore, A. .. ..	Whakerua .. ..	Accidentally shot in thigh .. ..	7	10	7
Miller, H. .. ..	Kennedy .. ..	Injured arm .. ..	7	9	5
Miller, W. .. ..	Rosamond .. ..	Injured eye .. ..	11	3	7
Melville, J. .. ..	Himitangi .. ..	Scarlet fever .. ..	2	14	0
Marsdon, L. .. ..	Maori .. ..	Influenza .. ..	15	0	3
Milburn, C. C. .. ..	Apanui .. ..	Influenza .. ..	33	9	11
Morton, J. C. .. ..	Tongariro .. ..	Drowning .. ..	29	19	6
Murphy, J. .. ..	Tofua .. ..	Injured elbow .. ..	15	7	4
Montgomery, I. .. ..	Kanieri .. ..	Crushed hand .. ..	15	5	2
Matheson, D. .. ..	Waitemata .. ..	Injured back .. ..	14	6	0
Martenson, F. .. ..	Waihora .. ..	Bruised leg .. ..	12	6	5
Mortensen, W. .. ..	Alma .. ..	Injured foot .. ..	20	11	5
Mentiplay, R. J. .. ..	Maori .. ..	Influenza .. ..	15	9	8
Marsden, W. .. ..	Manaia .. ..	Crushed finger .. ..	17	12	8
Morris, J. P. .. ..	Arahura .. ..	Diphtheria .. ..	37	6	8
Marton, A. C. .. ..	Cygnat .. ..	Dyspepsia .. ..	43	8	0
Miller, G. .. ..	Flora .. ..	Ricked back .. ..	10	10	6
Martin, S. G. .. ..	Miefield .. ..	Inward trouble .. ..	39	15	6
Martial, S. .. ..	Herald .. ..	Injured leg .. ..	15	1	10
Mitchell, J. .. ..	Arahura .. ..	Influenza .. ..	8	18	8
Morrison, K. .. ..	Maori .. ..	Appendicitis .. ..	28	5	9
Martin, J. .. ..	Mako .. ..	General debility .. ..	8	8	11
Menton, J. .. ..	Takapuna .. ..	Injured knee .. ..	7	18	0
Managhan, J. .. ..	Koromiko .. ..	Appendicitis .. ..	49	1	4
Managhan, M. W. .. ..	Opawa .. ..	Poisoned arm .. ..	9	11	6
Morgan, F. .. ..	Waitangi .. ..	Cut arm .. ..	19	3	7
Mathews, G. .. ..	Koi .. ..	Rheumatism .. ..	13	5	0
Murray, W. J. .. ..	Mapourika .. ..	Injured back .. ..	8	5	4
Martin, T. .. ..	Kaipoi .. ..	Scalded arm .. ..	7	19	10
Murray, J. .. ..	Leitrim .. ..	Rheumatism .. ..	5	4	11

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

Name of Seaman.	Name of Vessel.	Name of Injury or Illness.	Amount paid in Wages, Maintenance, &c.
			£ s. d.
Martin, A. C. .. ..	Eunice .. ..	Hernia .. ..	56 6 0
Martial, S. .. ..	Manaiia .. ..	Bruised shoulder .. ..	10 19 7
Matheson, D. D. .. ..	Te Anau .. ..	Severe debility .. ..	80 10 0
Mahon, T. .. ..	Orepuki .. ..	Bronchitis .. ..	19 14 7
Madson, E. .. ..	Echo .. ..	Lumbago .. ..	11 0 11
Moulding, E. .. ..	Kai Ora .. ..	Septicæmia .. ..	6 17 0
Mentiplay, R. .. ..	Maori .. ..	Neuritis .. ..	28 13 0
Macdren, S. .. ..	Mararoa .. ..	Neuritis .. ..	9 5 7
May, E. .. ..	Pateena .. ..	Poisoned leg .. ..	21 14 8
Neaves, J. .. ..	Kawau .. ..	Injured finger .. ..	19 18 9
Newell, R. .. ..	Mararoa .. ..	Injured finger .. ..	16 4 6
Nelson, W. .. ..	Mapourika .. ..	Injured back .. ..	9 6 11
Nolan, J. M. .. ..	Tarawera .. ..	Dysentery .. ..	11 1 10
Nielson, L. .. ..	Rimu .. ..	Influenza .. ..	4 18 5
Nelder, N. .. ..	Waimca .. ..	Influenza .. ..	14 6 4
Newling, H. R. .. ..	Waiohahi .. ..	Influenza .. ..	16 9 9
O'Donnell, B. H. .. ..	Kaitoa .. ..	Asthma .. ..	27 5 11
Orkeef, S. .. ..	Maori .. ..	Scalded arm .. ..	27 4 5
Olsen, C. F. .. ..	Mako .. ..	Elbow injured .. ..	11 2 6
Ogg, W. .. ..	Victoria .. ..	Poisoned leg .. ..	30 9 11
O'Callaghan, J. .. ..	Maori .. ..	Asthma .. ..	20 14 9
Owens, J. .. ..	Kokiri .. ..	Lumbago .. ..	15 6 11
O'Brien, T. .. ..	Opawa .. ..	Gastritis .. ..	36 11 7
Olsen, A. .. ..	Defender .. ..	Tetanus .. ..	17 7 0
Oram, T. .. ..	Ionic .. ..	Appendicitis .. ..	6 15 0
O'Connor, H. .. ..	Tarawera .. ..	Septic ulcer .. ..	8 19 3
Oakes, J. C. .. ..	Glenelg .. ..	Injured hand .. ..	9 14 2
Peters, A. .. ..	Pateena .. ..	Injured knee .. ..	13 7 3
Poulson, J. .. ..	Rakanoa .. ..	Injured leg .. ..	7 19 0
Pearce, W. .. ..	Pateena .. ..	Liver trouble .. ..	10 1 0
Poulter, F. J. .. ..	Karu .. ..	Broken finger .. ..	21 11 8
Pearce, W. .. ..	Pateena .. ..	Injured leg .. ..	10 7 1
Pearce, G. .. ..	Flora .. ..	Ricked side .. ..	10 16 11
Patterson, J. .. ..	Mapourika .. ..	Anthraxis .. ..	11 15 2
Payne, H. C. .. ..	Kiritona .. ..	Injured leg .. ..	37 17 7
Patterson, M. .. ..	Rimu .. ..	Pneumonia .. ..	28 15 10
Poole, S. .. ..	Mako .. ..	Internal pains .. ..	25 3 11
Peterson, L. .. ..	Tainui .. ..	Internal strains .. ..	6 12 0
Perkins, L. .. ..	Monowai .. ..	Sciatica .. ..	12 4 8
Peterson, P. .. ..	Haere .. ..	Injured head .. ..	19 8 5
Pirie, E. W. .. ..	Karamu .. ..	Influenza .. ..	23 10 5
Pedersen, E. .. ..	Ngatoro .. ..	Injured finger .. ..	10 6 7
Parminster, J. .. ..	Komata .. ..	Sciatica .. ..	10 9 5
Peak, R. H. .. ..	Maheno .. ..	Enteric fever .. ..	38 15 7
Pernishev, T. .. ..	Tarawera .. ..	Inflammation of kidneys .. ..	10 9 2
Palmer, L. .. ..	Koromiko .. ..	Ulcerated hand .. ..	9 18 5
Pernishev, M. .. ..	Manuka .. ..	Lumbago .. ..	30 13 2
Pedersen, P. .. ..	Wimmera .. ..	Facial paralysis .. ..	34 8 1
Paris, J. .. ..	Kini .. ..	Fluid on knee .. ..	45 17 2
Perace, W. .. ..	Kaiapoi .. ..	Swollen testicles .. ..	8 11 6
Perkins, B. R. .. ..	Kurou .. ..	Sciatica .. ..	28 12 5
Paulsen, A. .. ..	Wootton .. ..	Injured foot .. ..	5 16 6
Paulsen, A. .. ..	Wootton .. ..	Fractured toe .. ..	14 6 2
Petterson, D. .. ..	Takapuna .. ..	Injured finger .. ..	8 9 2
Perritt, G. .. ..	Rakanoa .. ..	Septic throat .. ..	9 10 0
Peterson, G. .. ..	Koromiko .. ..	Typhoid .. ..	18 11 0
Patterson, — .. ..	Wallsend .. ..	Shock and strain to heart .. ..	13 9 3
Quinn, P. .. ..	Kapiti .. ..	Constipation .. ..	27 6 6
Quinn, H. J. .. ..	Pateena .. ..	Injury to shoulder .. ..	17 9 5
Quilligan, D. .. ..	Ngakuta .. ..	Kidney complaint .. ..	9 3 3
Quilligan, D. .. ..	Ngatoro .. ..	Injured foot .. ..	13 12 3
Rells, R. .. ..	Fanny .. ..	Injured knee .. ..	8 17 2
Robertson, F. .. ..	Wanaka .. ..	Drowned .. ..	10 10 0
Ryan, T. .. ..	Moeraki .. ..	Broken rib .. ..	6 11 4
Ricketts, L. .. ..	Maori .. ..	Influenza .. ..	8 16 10
Ross, J. .. ..	Flora .. ..	Sore throat .. ..	17 7 4
Ross, J. .. ..	Ionic .. ..	Stricture .. ..	1 14 0
Ryan, J. .. ..	Kittawa .. ..	Sciatica .. ..	12 11 7
Rutledge, W. .. ..	Mararoa .. ..	Strained back .. ..	8 14 3
Russell, A. .. ..	Paloona .. ..	Nephritis .. ..	18 2 6
Ruthberg, J. .. ..	Moana .. ..	Heart and kidney trouble .. ..	10 12 0
Ritchie, D. .. ..	Kini .. ..	Septic throat .. ..	14 9 7
Reid, E. .. ..	Rosamond .. ..	Acute laryngitis .. ..	12 11 4
Rankin, B. .. ..	Ahuriri .. ..	Broken ankle .. ..	40 19 0
Reynolds, H. .. ..	Tasman .. ..	Severe cold .. ..	13 6 5
Reardon, J. .. ..	Canopus .. ..	Severe pains in chest .. ..	12 19 0
Russell, H. .. ..	Maori .. ..	Inflamed glands of groin .. ..	8 13 0
Rhodes, L. .. ..	Maori .. ..	Gastritis .. ..	7 3 4
Rice, R. .. ..	Manuka .. ..	Poisoned hand .. ..	10 9 10
Robertson, F. .. ..	Ripple .. ..	Injured back .. ..	10 9 7
Ray, F. W. .. ..	Karu .. ..	Hydrocele .. ..	5 5 2
Robertson, J. .. ..	Leitrim .. ..	Gastritis .. ..	3 0 0
Reardon, J. .. ..	Kurou .. ..	Injured ankle .. ..	19 8 2
Reilly, W. .. ..	Maori .. ..	Appendicitis .. ..	18 9 6
Ryan, J. .. ..	Mapourika .. ..	Burnt face and hands .. ..	20 16 0
Shearer, A. D. .. ..	Poherua .. ..	Ruptured .. ..	35 1 6
Shearer, J. K. .. ..	Koromiko .. ..	Septic wound .. ..	9 13 4

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

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid in Wages, Maintenance, &c.
			£ s. d.
Smith, D. .. ..	Mararoa .. ..	Rheumatism .. ..	9 3 2
Shorter, F. P. .. ..	Pateena .. ..	Quinsy .. ..	8 7 7
Shaw, E. .. ..	Maori .. ..	Strain inwardly .. ..	8 6 0
Strom, U. .. ..	Manaia .. ..	Foot swollen .. ..	12 16 1
South, A. .. ..	Karori .. ..	Cut thumb .. ..	14 10 6
Simpson, H. .. ..	Waimarie .. ..	Crushed arm .. ..	13 13 4
Stickings, J. .. ..	Waimarino .. ..	Peritonitis .. ..	57 18 4
Sheratt, C. E. .. ..	Maori .. ..	Neurasthenia .. ..	13 17 4
Sarsfield, W. .. ..	Karu .. ..	Loose cartilage in knee .. ..	52 15 6
Stapleton, J. .. ..	Takapuna .. ..	Gastric trouble .. ..	15 12 0
Suiat, W. .. ..	Kinross .. ..	Bleeding piles .. ..	1 18 6
Sevensnen, H. .. ..	Ruru .. ..	Fractured rib .. ..	28 3 3
Smith, B. .. ..	Mararoa .. ..	Lumbago .. ..	8 18 8
Shepherd, J. .. ..	Kamo .. ..	Congestion of bowels .. ..	22 6 0
Sinclair, F. .. ..	Clansman .. ..	Injured knee .. ..	10 12 9
Smith, R. J. .. ..	Orepuki .. ..	Scalded face .. ..	7 4 11
Scott, T. .. ..	Queen of the South .. ..	Burnt hand .. ..	11 2 4
Stewart, J. .. ..	Tasman .. ..	Hand jambed .. ..	10 11 0
Stewart, J. C. .. ..	Dandy .. ..	Finger jambed .. ..	15 15 7
Salter, W. .. ..	Kaitoa .. ..	Inflammation of glands of throat .. ..	26 1 5
Sowman, P. .. ..	Maori .. ..	Hæmorrhage .. ..	12 0 5
Stephens, C. .. ..	Maori .. ..	Bronchial catarrh .. ..	17 6 9
Short, G. W. .. ..	Talune .. ..	Lacerated foot .. ..	14 12 4
Sarsen, F. .. ..	Leitrim .. ..	Cut head .. ..	9 12 0
Sharp, A. .. ..	Pateena .. ..	German measles .. ..	9 1 6
Sowden, P. .. ..	Maori .. ..	Severe abdominal pains .. ..	14 17 6
Stromso, O. .. ..	Arahura .. ..	Injured jaw .. ..	17 8 8
Swan, John .. ..	Waitangi .. ..	Influenza .. ..	18 17 1
Stanlake, R. .. ..	Kamona .. ..	Cut forearm .. ..	10 6 10
Sowden, P. .. ..	Maori .. ..	Injured head .. ..	7 7 3
Smith, D. .. ..	Mararoa .. ..	Appendicitis .. ..	17 16 10
Stevens, G. H. .. ..	Mararoa .. ..	Abscess on arm .. ..	11 7 5
Stock, J. .. ..	Rarawa .. ..	Injured side .. ..	12 6 5
Tanner, W. D. .. ..	Tahiti .. ..	Fractured arm .. ..	21 4 10
Thompson, G. .. ..	Mararoa .. ..	Bronchial catarrh .. ..	6 3 2
Thompson, A. .. ..	Koromiko .. ..	Boils .. ..	16 9 9
Thompson, J. .. ..	Mararoa .. ..	Bronchitis .. ..	7 9 4
Thompson, J. .. ..	Ruru .. ..	Rheumatism .. ..	9 1 6
Towans, L. .. ..	Pateena .. ..	Severe cold .. ..	9 6 2
Taylor, W. .. ..	Pateena .. ..	Catarrh .. ..	17 18 11
Truman, T. .. ..	Paloona .. ..	Influenza .. ..	10 0 4
Tanelly, J. .. ..	Durham .. ..	Hæmorrhage .. ..	3 17 11
Tobrason, R. .. ..	Miefield .. ..	Pains in heart .. ..	7 13 6
Taylor, C. .. ..	Clansman .. ..	Injured right leg .. ..	10 4 8
Tarrall, T. .. ..	Tasman .. ..	Strained back .. ..	10 2 1
Topley, Martin .. ..	Kini .. ..	Urethral trouble .. ..	9 7 7
Thomson, W. G. .. ..	Willochra .. ..	Hæmoptysis .. ..	56 12 3
Tangley, T. .. ..	Port Victoria .. ..	Throat trouble .. ..	2 12 6
Thomas, C. .. ..	Takapuna .. ..	Lumbago .. ..	16 3 0
Thompson, F. .. ..	Mararoa .. ..	Pneumonia .. ..	13 0 0
Underdom, T. .. ..	Westralia .. ..	Cold on chest .. ..	13 7 1
Umholdt, T. .. ..	Ngaru .. ..	Sprained ankle .. ..	15 6 6
Underell, T. .. ..	Rarawa .. ..	Gastritis .. ..	4 16 4
Usher, N. .. ..	Kaitoa .. ..	Abscess under shoulder .. ..	7 17 6
Vaster, L. .. ..	Alexander .. ..	Broken collarbone .. ..	32 0 3
Vasseau, C. .. ..	Tongariro .. ..	Cardiac failure .. ..	40 18 0
Webster, A. .. ..	Paloona .. ..	Injured arm .. ..	10 19 3
Wilkinson, R. E. .. ..	Tarawera .. ..	Poisoned thumb .. ..	7 15 7
Wilkinson, A. .. ..	Kokiri .. ..	Scabies .. ..	8 13 5
Winkelman, W. .. ..	Tarawera .. ..	Chest complaint .. ..	12 14 0
Wiseman, C. .. ..	Aupouri .. ..	Inward trouble .. ..	19 16 2
Wales, R. .. ..	Aupouri .. ..	Poisoned finger .. ..	14 6 1
Wright, H. .. ..	Maitai .. ..	Burnt left arm .. ..	6 7 0
Wood, A. E. .. ..	Mararoa .. ..	Fractured rib .. ..	10 5 10
Walker, R. .. ..	Carpentaria .. ..	Abscess on liver .. ..	31 9 2
Woodthorpe, J. .. ..	Ngatoro .. ..	Lumbago .. ..	31 11 10
Watt, R. .. ..	Waitemata .. ..	Injured foot .. ..	15 14 6
White, T. .. ..	Te Anau .. ..	Injured chest .. ..	17 12 5
Warne, F. .. ..	Clansman .. ..	Influenza .. ..	19 13 4
Warne, F. .. ..	Huia .. ..	Burnt hands .. ..	17 15 0
Wright, H. .. ..	Maitai .. ..	Tuberculosis .. ..	12 8 0
Wood, H. .. ..	Takapuna .. ..	Pleuritic effusion .. ..	11 5 1
White, A. .. ..	Mapourika .. ..	Measles .. ..	7 13 6
Wade, T. .. ..	Katoa .. ..	Strained back .. ..	12 1 6
Webster, J. .. ..	Talune .. ..	Scalded face .. ..	43 7 8
Walsh, J. .. ..	Magic .. ..	Gastritis .. ..	14 7 1
Ward, A. E. .. ..	Cyrena .. ..	Swollen gland in groin .. ..	36 5 1
Watts, G. .. ..	Aratapu .. ..	Injured finger .. ..	20 5 8
Williamson, D. .. ..	Corinna .. ..	Strained back .. ..	13 19 6
Wilson, T. .. ..	Riverina .. ..	Injured knee .. ..	26 11 7
Wilson, D. .. ..	Kamona .. ..	Injured chest and heart .. ..	8 1 3
White, G. .. ..	Rarawa .. ..	Cut hand .. ..	11 6 10
Wilkins, P. .. ..	Manuka .. ..	Burnt arm .. ..	12 11 0
Wiley, J. .. ..	Opouri .. ..	Sciatica .. ..	25 5 3
Young, J. .. ..	Kini .. ..	Injured knee .. ..	17 8 7
Total .. ..			£8,114 14 11

## RETURN OF ACCIDENTS TO WATERSIDE WORKERS REPORTED TO THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1917.

Date.	Name of Person injured.	Nature of Injury: Fatal or otherwise.	Place where Accident occurred.	Particulars as to Accident and its Cause, and Verdict of Jury if Inquest held.
1916.				
April 13	E. Ping ..	Bruised leg	Greymouth	By falling timber.
" 27	C. Murdoch ..	Crushed toe	Bluff ..	While unloading cargo.
May 8	W. Byrne ..	Bruised leg	Greymouth	Falling timber.
" 26	C. Faber ..	Injured body	Lyttelton	By falling stanchion.
" 27	C. Chenery ..	Crushed finger	"	Caught in railway-truck.
June 6	T. Mence ..	Bruised body	Bluff ..	Bale slipped from sling.
" 6	T. Maclean ..	Fractured rib	"	Slipped.
" 7	Henry Johnston	Killed ..	"	A rope broke, allowing the derrick of the "Mahurangi" to fall.
" 14	H. Austin ..	Fractured rib	Auckland	Struck by sling of cargo.
" 16	C. Small ..	Injured thumb	Lyttelton	Caught between cases.
" 17	A. O'Connor	Injured shoulder	"	Struck by basket of coal.
" 21	J. A. Cunningham	Injured head	"	Bale slipped from sling.
" 22	W. Outram ..	Broken leg	Wellington	Bale fell on leg.
July 10	J. Duffy ..	Injured knee	Bluff ..	Sack of oats fell on knee.
" 11	T. Faulk ..	Injured back	Lyttelton	Struck by sling of cargo.
" 13	T. Mitchell	Injured ankle	"	"
" 19	George Denman	Injured head	Wanganui	Struck by piece of coal.
" 28	— Bullock ..	Broken leg	Auckland	Drum of caustic soda fell on leg.
Aug. 2	W. B. Campbell	Broken rib	"	Cargo fell from sling.
" 4	W. Dowling	Bruised thumb	Te Kopuru	Caught between sling of cargo.
" 7	G. E. Weekes	Crushed toe	Timaru ..	Sling-chain fell on toe.
" 18	O. Hansen ..	Injured head	Lyttelton	Fell on to wharf.
" 18	T. Blocksage	Crushed thumb	Bluff ..	Falling timber.
" 18	J. Walton ..	Strained wrist	Greymouth	Fell in truck.
" 19	J. Helean ..	Crushed hand	Timaru ..	Caught hand between sling of cargo.
" 26	Thomas Butler	Bruised body	"	Knocked out of truck.
Sept. 7	C. Falkner	Burnt face, eyes, arms, and leg	Auckland	By explosion of sulphuric acid.
" 7	J. Coutts ..	Burnt face, eyes, and arms ..	"	"
" 7	G. Jones ..	Burnt face, eye, arms, back, thigh, and leg	"	"
" 7	J. Anderson	Burnt face and eyes	"	"
" 7	H. Barnes ..	"	"	"
" 7	J. Jones ..	"	"	"
" 7	S. Appelby	Burns	"	"
" 7	W. Holmes	"	"	"
" 7	J. Spray ..	"	"	"
" 7	S. Bayliss ..	"	"	"
" 7	J. Nolan ..	"	"	"
" 8	J. Mannix ..	"	"	"
" 10	William Durrell	Injured abdomen	Bluff ..	Caught between buffers.
" 25	W. Jackson	Cut chin ..	Wanganui	Knocked out of railway-truck.
" 29	F. Quintall	Injured back	Timaru ..	Hit by falling basket.
" 2	A. Sloss ..	Strained ..	Auckland	Lifting timber.
Oct. 2	E. Marsden	Bruised hand	Greymouth	By falling timber.
" 2	W. Johnston	Injured right foot	Lyttelton	"
" 4	W. Johnstone	Bruised jaw	Auckland	Struck by truck.
" 4	J. Anderson	Bruised head	Greymouth	By falling timber.



4	H. Stare ..	..	..	..	Injured leg	..	..	..	Wellington	..	While working cargo.
6	G. Campbell	..	..	..	Broken thigh	..	..	..	Lyttelton	..	Fell off gangway.
6	S. Hughes	..	..	..	Injured right foot	..	..	..	Auckland	..	Pipes rolled on foot.
25	William Nelson	..	..	..	Severe shock	..	..	..	Lyttelton	..	Crushed by sling of timber.
26	A. Austin ..	..	..	..	"	..	..	..	Lyttelton	..	Knocked off truck.
28	A. Phillips	..	..	..	Sprained ankle	..	..	..	Greymouth	..	By falling.
Nov.	A. Langstrad	..	..	..	Bruised knee	..	..	..	Wellington	..	Struck by sling.
7	— Cransfield	..	..	..	Bruised ankle	..	..	..	Port Chalmers	..	While working cargo.
7	P. Drumm	..	..	..	"	..	..	..	"	..	"
8	W. A. Thompson	..	..	..	Injured leg	..	..	..	"	..	"
11	W. Meales	..	..	..	Bruised leg	..	..	..	Greymouth	..	By falling timber.
11	S. Danilo ..	..	..	..	Crushed finger	..	..	..	"	..	"
13	T. Ashwell	..	..	..	Injured rib	..	..	..	Bluff	..	While loading timber.
14	W. Norton	..	..	..	Injured foot	..	..	..	Lyttelton	..	Case fell on foot.
14	W. H. Ryder	..	..	..	Injured hip	..	..	..	"	..	Fell on hook.
14	A. Longmore	..	..	..	Injured finger	..	..	..	"	..	Caught between sling and wagon.
15	R. Anderson	..	..	..	Strained back	..	..	..	Dunedin ..	..	While lifting case.
15	J. Smith ..	..	..	..	Cut finger	..	..	..	Port Chalmers	..	While working cargo.
18	T. Potter ..	..	..	..	Bruised leg	..	..	..	Greymouth	..	By sling of timber.
20	George Morton	..	..	..	Crushed finger	..	..	..	Lyttelton	..	Between two drums of soda.
20	A. Ealan ..	..	..	..	Strained back	..	..	..	"	..	While lifting bags.
27	V. A. Marriott	..	..	..	Injured toe	..	..	..	"	..	While loading frozen meat.
27	F. Cogle ..	..	..	..	Crushed finger	..	..	..	"	..	"
29	A. Watt ..	..	..	..	"	..	..	..	Dunedin ..	..	While working cargo.
7	R. Turnbull	..	..	..	Strained leg	..	..	..	Port Chalmers	..	"
13	F. Mortimer	..	..	..	Crushed finger	..	..	..	Greymouth	..	By ship's beam falling.
16	H. Lynch ..	..	..	..	Bruised finger	..	..	..	"	..	Caught by case.
19	P. Molloy ..	..	..	..	Bruised body	..	..	..	Wanganui	..	Struck by sling of cargo.
19	S. Ammie ..	..	..	..	Strained foot	..	..	..	Port Chalmers	..	While working cargo.
22	S. Hawes ..	..	..	..	Bruised toe	..	..	..	"	..	"
28	R. Joughin	..	..	..	Injured hand	..	..	..	"	..	"
1917.		..	..	..		..	..	..		..	
Jan.	J. O'Leary	..	..	..	Bruised finger	..	..	..	Greymouth	..	Caught by case.
20	D. Morgan	..	..	..	Bruised leg	..	..	..	"	..	Caught by sling of timber.
Feb.	R. Mundy	..	..	..	"	..	..	..	"	..	Caught by case.
5	J. Duncan	..	..	..	Crushed finger	..	..	..	Lyttelton	..	Piece of coal fell on finger.
10	G. O'Halloran	..	..	..	Injured finger	..	..	..	"	..	Finger caught in hook.
12	J. Hitt ..	..	..	..	Injured hand	..	..	..	Dunedin ..	..	While working cargo.
20	T. Watson	..	..	..	Crushed ankle	..	..	..	Auckland	..	While loading cement.
20	A. Lynne ..	..	..	..	Injured foot	..	..	..	"	..	Beam fell on foot.
23	C. Rose ..	..	..	..	Cut ankle	..	..	..	Bluff	..	Slipped and fell on wharf.
Mar.	A. Haywood	..	..	..	Killed ; fractured skull	..	..	..	Wellington	..	Fell down hold of s.s. "Manuka."
1	G. Langley	..	..	..	Injured ankle	..	..	..	Dunedin ..	..	While working cargo.
2	M. Mathews	..	..	..	Injured toe	..	..	..	Wellington	..	Plank fell on toe.
5	P. Molloy ..	..	..	..	Bruised body	..	..	..	Wanganui	..	Struck by sling of cargo.
6	W. Calder ..	..	..	..	Injured finger	..	..	..	Bluff	..	Caught finger against stringer.
7	R. Winton	..	..	..	Thumb-nail pulled off	..	..	..	Dunedin ..	..	While working cargo.
7	F. West ..	..	..	..	Injured leg	..	..	..	Bluff	..	While lifting wool.
10	T. Mullay ..	..	..	..	Injured back	..	..	..	"	..	Fell on deck.
12	J. Bonner ..	..	..	..	Injured head	..	..	..	Wellington	..	Hit by fire-bar.
15	W. Turner	..	..	..	Injured thigh	..	..	..	Lyttelton	..	Struck by basket of coal.
20	C. Christiansen	..	..	..	Injured toe	..	..	..	Dunedin ..	..	While working cargo.
31	H. McKinnon	..	..	..	Bruised chest	..	..	..	"	..	"

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, 1917.

Name of Person.	Position held.	Ship.	Particulars of Offence, &c.	Date of Conviction.	Penalty imposed.
Alassandro, C.	Sailor ..	Berwick Law	Desertion ..	7/2/16	One month's imprisonment and ordered to pay costs.
Anderson, J.	Carpenter ..	Armadale	Absent without leave ..	30/1/17	Fourteen days' imprisonment.
Brandon, J.	A.B. ..	Turakina	" ..	19/4/16	Forty-eight hours' imprisonment and 7s. costs.
Brotell, V.	Fireman ..	Mamari	Desertion ..	23/9/16	Ordered to pay £2 10s. costs.
Brown, E. A.	Seaman ..	Rotorua	" ..	22/8/16	One month's imprisonment and to be placed on board.
Bodgar, J. J.	" ..	Karamea	Disobeying lawful commands ..	6/10/16	Two days' imprisonment and forfeit four days' pay.
Busher, H.	" ..	Pt. Elliot	Absent without leave ..	24/2/17	Fined two days' pay and placed on board.
Currie, W.	Fireman ..	Zealandic	" ..	1/3/16	Fined two days' pay and fourteen days' imprisonment.
Cutler, B.	Greaser ..	Turakina	Stealing cigarettes ..	13/10/16	Fined £2 or one month's imprisonment.
Constantine, A.	Fireman ..	Arawa	Absent without leave ..	30/9/16	Imprisoned till ship leaves.
Craig, J.	" ..	Tarawera	Obscene language at sea ..	6/12/16	Fourteen days' imprisonment and costs.
Cooke, James	" ..	Ruahine	Absent without leave ..	15/12/16	Ordered to pay costs.
Crumin, P.	Seaman ..	Armadale	" ..	29/1/17	Fourteen days' imprisonment.
Davis, W.	Greaser ..	Paparoa	Desertion ..	13/1/16	One month's imprisonment and placed on board.
Downey, J.	Fireman ..	Ruahine	Absent without leave ..	6/12/16	Ordered to pay costs.
Donnelly, L.	A.B. ..	Manurewa	Absent without leave and disobeying lawful commands ..	26/8/16	Forfeit two days' pay, in default forty-eight hours, with solicitor's fee £1 1s., in default seven days.
Dills, G.	Seaman ..	Armadale	Absent without leave ..	29/1/17	Fourteen days' imprisonment.
Eggleton, J.	A.B. ..	Pakeha	Desertion ..	28/1/16	One month's imprisonment and placed on board.
English, W.	Fireman ..	Corinthic	Absent from ship ..	2/9/16	Seven days' imprisonment and placed on board.
Flmes, E.	Seaman ..	Rotorua	Desertion ..	22/8/16	One month's imprisonment and placed on board.
Fagan, H.	Trimmer ..	Zealandic	Absent without leave ..	1/3/16	Fourteen days' imprisonment, fined two days' pay, and placed on board.
Ford, A.	Fireman ..	Turakina	Broaching cargo ..	13/10/16	One month's imprisonment and fined £2.
Farrell, G.	" ..	Waihora	Absent without leave ..	13/11/16	Fined two days' pay and costs.
Fry, J. ..	" ..	Ruahine	" ..	15/12/16	Ordered to pay costs.
Fancourt, R. W.	Greaser ..	" ..	" ..	15/12/16	" ..
Farley, T.	Fireman ..	" ..	Disobeying lawful commands ..	9/3/17	Fined £1 and 7s. costs.
Glen, J.	Steward ..	Turakina	Desertion ..	13/7/16	One month's imprisonment.
Gilfoyle, F.	Fireman ..	Ruahine	Absent without leave ..	15/12/16	Ordered to pay costs.
Griffiths, W.	Trimmer ..	Rotorua	" ..	23/1/17	Ordered to pay costs and placed on board.
Green, R.	Fireman ..	Manuka	Disobeying lawful commands ..	28/2/17	Convicted and discharged.
Hustler, H.	Seaman ..	Louisa Craig	Absent without leave ..	21/11/16	" ..
Hardonie, F.	Fireman ..	Corinthic	Missed passage ..	12/9/16	Seven days' imprisonment.
Hapanen, A. V.	A.B. ..	Celtic Glen	Absent without leave ..	17/5/16	One month's imprisonment and to be placed on board.
Hockey, D. L.	" ..	" ..	" ..	28/4/16	Fined £1 and 7s. costs.
Hyde, Henry	Trimmer ..	Ruahine	" ..	15/12/16	Ordered to pay costs.
Isaacson, S.	Seaman ..	Armadale	" ..	30/1/17	Fourteen days' imprisonment.
James, C.	Greaser ..	Ruahine	" ..	15/12/16	Ordered to pay costs.
Kemp, W.	Steward ..	Turakina	Desertion ..	13/7/16	Ordered to pay £2 17s. expenses.
Kennedy, J.	Greaser ..	Zealandic	Absent without leave ..	2/3/16	Fourteen days' imprisonment and fined two days' pay.
Kingston, A.	Fireman ..	Mamari	Desertion ..	14/6/16	Forty-eight hours' imprisonment.
Knudsen, H.	Seaman ..	Karamea	" ..	2/10/16	One month's imprisonment.
Knight, G.	Trimmer ..	Ruahine	Absent without leave ..	15/12/16	Ordered to pay costs.
Kidd, J. E.	Fireman ..	Rotorua	" ..	23/1/17	Ordered to pay costs and placed on board.

Langton, E. J.	Steward	Rotorua	Desertion	22/8/16	One month's imprisonment and placed on board.
Lyons, C.	Fireman	Ruahine	"	5/9/16	Fourteen days' hard labour.
Larkin, F.	"	Somerset	Wilful disobedience	28/10/16	One month's imprisonment and placed on board.
Laxson, H.	"	"	"	28/10/16	"
Maunings, C.	Sailor	"	Desertion	14/2/17	"
Moffatt, A.	A.B.	Priestfield	"	28/1/17	"
Morrison, J.	"	Pakaha	"	20/6/16	Convicted and ordered to pay costs.
Manninen, L. V.	"	Indalema	"	23/9/16	Ordered to pay £2 10s. costs.
Mawd, J.	Fireman	Mamari	"	26/2/17	One month's imprisonment and placed on board.
Norman, W.	Cook	Ruapehu	"	23/1/17	Ordered to pay costs and placed on board.
O'Donnell, J.	Fireman	Rotorua	Absent without leave	13/11/16	Fined two days' pay and costs.
Parkins, George	"	Waihora	"	6/1/17	One month's imprisonment and placed on board.
Peters, W.	"	Corinthic	Desertion	1/3/17	Fourteen days' imprisonment and forfeit two days' pay
Piescroft, E.	Trimmer	Zealandic	Absent without leave	12/9/16	One month's imprisonment.
Pegrum, W.	Fireman	Corinthic	Desertion	15/12/16	Ordered to pay costs.
Penegar, W.	"	Ruahine	Absent without leave	15/12/16	"
Ricks, S. T.	"	"	"	27/10/16	One month's imprisonment and placed on board.
Reynolds, S.	"	Star of Australia	Desertion	13/10/16	One month's imprisonment or fined £2.
Reid, J. . .	A.B.	Turakina	Stealing cigarettes.	30/3/16	One month's imprisonment and placed on board.
Simmons, S. E.	"	Celtic Glen	Desertion	19/4/16	Forty-eight hours' imprisonment.
Shanks, R.	"	Turakina	Absent without leave	13/7/16	One month's imprisonment.
Singlehurst, L. R.	Steward	"	Desertion	7/6/17	Convicted and ordered to pay costs.
Saskonen, W.	O.S.	Arawa	"	23/9/16	Ordered to pay £2 10s. costs.
Smith, S.	Fireman	Mamari	"	13/10/16	One month's imprisonment or fined £2.
Searles, A.	"	Turakina	Stealing cigarettes.	15/12/16	"
Shirer, F.	Trimmer	Ruahine	Absent without leave	15/12/16	"
Turner, W.	Fireman	"	"	15/12/16	Ordered to pay costs.
Turner, E.	"	"	"	15/12/16	"
Tudor, W.	"	"	"	17/7/16	"
Vercisi, L.	Greaser	Tainui	Disobeying lawful orders	5/9/16	Fined 7s. costs.
West, A.	Trimmer	Arawa	Desertion	19/9/16	One month's imprisonment.
Walterton, —	A.B.	Niagara	Broaching cargo	29/1/17	Six months' hard labour.
Wilson, C.	Seaman	Armada	Absent without leave	15/12/16	Fourteen days' imprisonment.
	Trimmer	Ruahine	"		Ordered to pay costs.

RETURN SHOWING THE NOTICES TO MARINERS RELATING TO MATTERS WITHIN THE DOMINION  
ISSUED BY THE MARINE DEPARTMENT DURING THE YEAR ENDED 31ST MARCH, 1917.

Port or Place.	Subject of Notice.
Akaroa Harbour .. ..	Jetty lights.
Apia Harbour .. ..	Alteration of position of flag-pole at pilot-station, Samoa.
Auckland Harbour .. ..	Erection of trig. station on reef off Judge's Bay.
" .. ..	Dredgers.
" .. ..	Re trig. station off Judge's Bay.
" .. ..	Amended position of Kohimarama Wharf.
" .. ..	Black beacon, south of Chelsea, down.
" .. ..	Dredgers, new position.
" .. ..	Erection of lighted beacon off Bastion Reef.
" .. ..	Black beacon, south of Chelsea, re-erected.
" .. ..	New position of dredgers.
" .. ..	Explosives anchorage for small vessels.
" .. ..	Devonport sandspit beacon light.
" .. ..	Dredging off Albert Wharf and Freeman's Bay reclamation.
" .. ..	New position of dredgers.
" .. ..	Lights on wharf in construction in Commercial Harbour.
" .. ..	Dredging.
" .. ..	Harbour lights and fog-signal.
" .. ..	Notification of Brown's Island and Motuihi beacon-cages washed away.
" .. ..	Position of dredgers.
" .. ..	Harbour light replaced.
" .. ..	D'Urville Rock beacon swept away.
" .. ..	Auckland time-signals.
Hokianga Harbour .. ..	Entrance to bar.
" .. ..	Hokianga River, upper part, light in narrows.
Kaipara Harbour .. ..	Lighted buoy in Wairoa River.
Lyttelton Harbour .. ..	Time-signals at Lyttelton.
Manukau Harbour .. ..	Change in channel over bar.
" .. ..	Protected anchorage.
Motueka Harbour .. ..	Lights for channel entrance.
" .. ..	Discontinuance of old beacon lights and closing of old wharf.
Napier Harbour .. ..	Temporary removal of light on Auckland Rock buoy.
Nelson Harbour .. ..	Discontinuance of old entrance beacons.
New Zealand coast .. ..	<i>Erratum</i> in "New Zealand Nautical Almanac" for 1916 and "Modern Up-to-date Navigation."
" .. ..	Sunken rock off Tiritiri Island, Hauraki Gulf.
" .. ..	Amended notice to No. 45, 1916, sunken rock off Tiritiri, Hauraki Gulf.
" .. ..	Position of "Squall," wrecked off East Cape.
" .. ..	"New Zealand Nautical Almanac," <i>errata</i> in colour of Patea light
" .. ..	Shearer Rock buoy off Tiritiri Island to be moved.
" .. ..	Buoy off Tiritiri Island moved.
" .. ..	New edition of Nautical Tables published.
" .. ..	"New Zealand Nautical Almanac and Tide Tables for 1917," and Supplement to the "New Zealand Pilot," 8th edition, 1908.
" .. ..	"New Zealand Nautical Almanac and Tide Tables for 1917," addenda to tide tables.
" .. ..	<i>Errata</i> in "New Zealand Nautical Almanac, 1917."
" .. ..	Tables for Azimuth, Great Circle Sailings, and Reduction to the Meridian— <i>Errata</i> .
" .. ..	New Zealand time service arrangements.
" .. ..	Light on Okuri Point, south-west of French Pass.
" .. ..	Waikato River, erection of beacons at river-entrance and directions for entering.
Otago Harbour .. ..	Quarantine ground.
Poverty Bay .. ..	Lighted buoy in harbour.
Tauranga Harbour .. ..	Erection of new light at harbour entrance.
" .. ..	Alteration in position of buoy.
Timaru Harbour .. ..	Extension of eastern mole, Breakwater.
Wanganui Harbour .. ..	Dredging.
" .. ..	Dredge sunk off wharf.
" .. ..	Light on Christchurch Meat Company's wharf.
" .. ..	South mole end light extinguished.
" .. ..	Change in character of light.
Wellington Harbour .. ..	Dredging near entrance.
" .. ..	Removal of man-of-war buoy.
Westport Harbour .. ..	Removal of pile-driving derrick from Western Breakwater.
" .. ..	Red light on Western Breakwater to be moved seaward.
" .. ..	Removal of red light at down-stream end of coal-staiths.
" .. ..	Dredging.
Whangaparapara Harbour .. ..	Discontinuance of Whangaparapara light.
Whitianga Harbour .. ..	Light on Mercury Bay Wharf.

RETURN SHOWING THE ORDERS IN COUNCIL WHICH HAVE BEEN ISSUED DURING THE YEAR ENDED  
31ST MARCH, 1917.

Date of Order.		Purpose of Order.
1916.		
April	5	Approves plan M.D. 4592 of the Awaroa Wharf, on foreshore Awaroa Stream, Raglan County.
"	5	Licenses Raglan County Council to occupy foreshore on Awaroa Stream, Raglan County, as a site for a wharf, and prescribes dues for use of wharf.
"	5	Approves plan M.D. 4601 of cattle-shipping yard and race which Tauranga Harbour Board proposes to construct on foreshore near Mount Maunganui, Tauranga Harbour.
"	17	Approves plan M.D. 4577 of works for renewal of superstructure of wharf at Mahurangi Heads, and authorizes Rodney County Council to carry out the works.
"	17	Approves plan M.D. 4587 of boat-jetty at Pounawea, Otago Harbour.
"	17	Licenses Clutha County Council to occupy foreshore at Pounawea, Otago, as a site for boat-jetty.
"	17	Approves plan M.D. 4571 of boat-shed for Fairfield Thompson on foreshore Pahautanui Bay, Porirua Harbour.
"	17	Licenses Fairfield Thompson to occupy foreshore Pahautanui Bay, Porirua Harbour, as site for boat-shed.
"	17	Approves plan M.D. 4578 and authorizes the Herekino Land Company to construct a bridge across the Uwheroa River in accordance with the plan.
May	2	Approves of Greymouth Harbour Board granting a subsidy not exceeding £200 to the North Brunner Collieries (Limited) towards the cost of boring for coal on the Board's endowment.
"	4	Approves plan M.D. 4600 of wharf and ferry-slip for Hobson County Council at Horehore, opposite Mount Wesley.
"	4	Licenses Hobson County Council to occupy foreshore at Horehore, opposite Mount Wesley, as a site for a wharf and ferry-slip.
"	4	Makes regulation regarding application of Waitapu Wharf dues.
"	4	Prescribes dues and rates for use of Te Hapua Wharf, Parengarenga Harbour.
"	4	Approves plan M.D. 4591 of landing-stage for Leyland O'Brien Timber Company (Limited) on Mangatete Creek, Awanui.
"	4	Licenses Leyland O'Brien Timber Company (Limited) to occupy foreshore at Mangatete Creek, Awanui, as a site for a landing-stage.
"	4	Approves plan M.D. 4614 of a wharf for Bay of Islands County Council at Paihia, Russell.
"	4	Licenses Bay of Islands County Council to occupy foreshore at Paihia, Russell, as a site for a wharf.
"	8	Approves plan M.D. 4605 of boat-shed and fish-freezing buildings which the Pegasus Fresh Fish Company proposes to erect on foreshore of Pegasus Harbour, Stewart Island.
"	8	Licenses Pegasus Fresh Fish Company (Limited) to occupy foreshore at Pegasus Harbour, Stewart Island, as a site for a boat-shed and fish-freezing buildings.
"	17	Approves license granted by Patea Harbour Board to Walter Prosser Heskett for extraction of iron-sand from part of foreshore.
"	17	Approves plan M.D. 4603 of wharf for Panama Estate Company (Limited) at Tamaki River, Hauraki Gulf.
"	17	Licenses Panama Estate Company (Limited) to occupy foreshore at Tamaki River as a site for a wharf.
"	23	Approves plan M.D. 4595 of boat-shed for A. F. Holdsworth at St. Helier's Bay, Auckland.
"	23	Licenses A. F. Holdsworth to occupy foreshore at St. Helier's Bay as a site for a boat-shed.
June	5	Makes regulations as to leases for the toheroa-bearing areas in the South Island of New Zealand.
"	5	Prescribes dues and rates for the use of the wharf at Deep Creek, Takapuna.
"	5	Approves plan M.D. 4630 of drain-pipe which the North Canterbury Sheep-farmers' Co-operative Freezing Export and Agency Company (Limited) propose to carry across a branch of the Waimakariri River.
"	19	Licenses Rangiora Timber Company to occupy foreshore at Hokianga as a site for a wharf.
"	26	Makes regulations re lights in ships' holds.
"	26	Approves plan M.D. 4608 of a wharf which the Great Barrier Island County Council proposes to erect at Port Fitzroy.
"	26	Licenses Great Barrier Island County Council to occupy foreshore at Port Fitzroy as a site for a wharf.
"	26	Approves plan M.D. 4622 of filling by Christchurch Tramway Board of small portion of foreshore on Sumner Road between Monck's Bay and Shag Rock, and authorizes Board to carry out the work.
"	26	Licenses C. Gothard to occupy foreshore at Waipaepae Creek, Whangaroa Harbour, as a site for a boat-shed.
July	3	Fixes dues and makes regulations regarding the use of the Akaroa boat-slip.
"	10	Approves plans M.D. 4633 and 4615 of extension to Dominion Portland Cement Company's wharf on Mangapai Channel, Whangarei Harbour.
"	10	Licenses Dominion Portland Cement Company (Limited) to occupy foreshore at Whangarei Harbour for purposes of wharf-extension.
"	10	Revokes Order in Council licensing W. and R. Fletcher (Limited) to occupy foreshore at Whangarei as a site for a wharf and extension.
"	10	Licenses Whangarei Freezing Company (Limited) to occupy foreshore at Whangarei Harbour as a site for a wharf.
"	10	Approves plan M.D. 4634 of a wharf for Ebenezer Hay in Titirangi Bay, Pelorus Sound.
"	10	Licenses Ebenezer Hay to occupy foreshore at Titirangi Bay, Pelorus Sound, as a site for a wharf.
"	10	Approves plan M.D. 4639 of a benzine-store for J. F. Hartley at Kohukohu, Hokianga River.
"	10	Licenses T. F. Hartley to occupy foreshore at Kohukohu, Hokianga River, as a site for a benzine-store.
"	17	Approves plans of bathing-shed which the Wellington City Council proposes to erect in Balena Bay.
"	24	Approves plans of boat-building shed and slip for Messrs. T. M. Lane and Sons in St. George's Bay, Auckland.
"	24	Licenses Northern Steamship Company to occupy foreshore at Rangaunu Bay as a site for a wharf.
Aug.	9	Approves plan M.D. 4659 of a wharf and shed which the Gisborne Harbour Board proposes to erect on Waikanae Creek.
"	21	Approves plans M.D. 4593 and 4650 of Raglan County Council's wharf at Glen Murray, Opuatia Stream, Raglan County.
"	21	Licenses Raglan County Council to occupy foreshore at Glen Murray, Opuatia Stream, as a site for a wharf, and prescribes dues for said wharf.
"	21	Approves plan M.D. 4644 of landing-stage and tram-line for Auckland City Council at Big Muddy Creek, Manukau Harbour.
"	28	Approves plan M.D. 4663 of fire-brigade shed on Wairoa River for Dargaville Borough Council.
"	28	Licenses Dargaville Borough Council to occupy foreshore at Wairoa River as a site for a fire-brigade shed.
"	28	Vests management of wharves at Paparoa, Raupo, Pahi, Matakoho, Point Curtis, Tokatoka, and Whakapirau in the Otamatea County Council.

RETURN SHOWING THE ORDERS IN COUNCIL ISSUED, ETC.—*continued.*

Date of Order.	Purpose of Order.
1916.	
Aug. 28	Fixes minimum charge for pilotage for Port of Picton.
" 28	Fixes dues for the use of the wharf at Whangaparapara, Great Barrier Island.
Sept. 2	Approves plan M.D. 4621 of booms which the Leyland O'Brien Timber Company proposes to construct at Karetu Stream.
" 2	Licenses Leyland O'Brien Timber Company to occupy foreshore at junction of Owai Creek and Karetu River as a site for timber-booms.
" 2	Approves plan M.D. 4664 of extension of fish-market at Hobson Street reclamation, Auckland Harbour, which Harbour Board proposes to carry out.
" 11	Approves plan M.D. 4609 of repairs and extension to County Wharf at Whangaparapara, and authorizes the carrying-out of such repairs and extension.
" 26	Appoints Thomas Ritchie to be a trustee for the management of the wharf at Waitangi, Chatham Islands.
" 26	Licenses W. B. Giesen to occupy foreshore at Horehore, Kaipara Harbour, as a site for a wharf.
Oct. 9	Approves plan M.D. 4678 of shop for W. J. F. Constable on foreshore at Rawene.
" 9	Licenses W. J. F. Constable to occupy foreshore at Rawene as a site for a shop.
" 9	Approves plan M.D. 4677 of store for Sidney Cooper on foreshore at Rawene, Hokianga Harbour.
" 9	Licenses Sidney Cooper to occupy foreshore at Rawene as a site for a store.
" 9	Approves plan of wharf for Mrs. Catherine McCallum at Karamuramu Island, Hauraki Gulf.
" 9	Licenses Mrs. Catherine McCallum to occupy foreshore at Karamuramu Island, Hauraki Gulf, as a site for a wharf.
" 9	Approves plan of landing-stage for Thomas Allport, sen., at Endeavour Inlet, Queen Charlotte Sound.
" 9	Licenses Thomas Allport, sen., to occupy foreshore at Endeavour Inlet, Queen Charlotte Sound, as a site for a landing-stage.
" 20	Approves plan M.D. 4653 of wharf and breastwork which Raglan County Council proposes to erect at Raglan.
" 27	Approves plan M.D. 4651 of bridge over Taruheru River, Gisborne, for Cook County Council, and authorizes Cook County Council to construct bridge.
" 30	Approves plan M.D. 4685 of foreshore protective works which Miramar Borough Council proposes to carry out at Seatoun, Wellington.
Nov. 6	Prohibits deposit of broken glass and crockery on foreshore between Mellon's Bay and Paparoa Point, Howick.
" 6	Revokes Order in Council licensing C. B. Lester to occupy foreshore, Hokianga River, as a site for boat-shed and slip.
" 6	Licenses A. E. Andrews to occupy foreshore at Hokianga as a site for a building to be used as shops.
" 13	Approves plan M.D. 4697 of floating stage-landing which Hobson County Council proposes to erect at Dargaville Wharf, and authorizes the Council to carry out the work.
" 13	Approves plan M.D. 4692 of road-widening which Whangarei Harbour Board proposes to carry out between the existing town wharf and the swing bridge at Whangarei, and authorizes the Board to carry out the work.
" 13	Approves plan M.D. 4694 of jetty which the Lyttelton Harbour Board proposes to erect at Rapaki Pa in Lyttelton Harbour.
" 13	Consents to Motueka Harbour Board leasing to Dr. V. H. Barr, of Nelson, portion of foreshore in Moutere Inlet.
" 13	Makes regulations for controlling traffic on Lake Taupo and the management of the wharves therein, and prescribes dues for the use thereof.
" 13	Approves plan M.D. 4682 of boat-shed for A. L. Wilson on Tamaki River, Hauraki Gulf.
" 13	Licenses A. L. Wilson to occupy foreshore at Tamaki River, Hauraki Gulf, as a site for a boat-shed.
" 27	Prescribes a close season for seals (for three years from date of Order).
" 27	Modifies regulation regarding the size of mesh of trawl-nets.
" 27	Extends time within which Commission appointed to inquire into and report as to an accident which occurred when sulphuric acid was being discharged from the s.s. "Monowai" until 31st December, 1916.
Dec. 11	Approves plan M.D. 4698 of timber-boom for Robert P. Gibbons (Limited) on Kaihu Creek, Kaipara Harbour.
" 11	Licenses Robert P. Gibbons (Limited) to occupy foreshore at Kaihu Creek as a site for timber-boom.
" 19	Approves plans of Raglan County Council's wharf at Te Akau, Raglan Harbour.
" 19	Licenses Raglan County Council to occupy foreshore at Te Akau, Raglan Harbour, as a site for a wharf.
" 19	Revokes Order in Council licensing G. Bailey to occupy foreshore at Kaihu Creek, Kaipara Harbour, as a site for a wharf.
" 19	Makes regulations under the War Regulations Act in regard to the transfer of ownership of British ships.
" 21	Appoints a Commission to inquire into and report on matter of making another road at the Wellington Patent Slip.
1917	
Jan. 9	Approves plan of a wharf which Na Himi Hare proposes to erect at Motukaraka, Hokianga Harbour.
" 9	Authorizes Na Himi Hare to erect a wharf at Motukaraka, Hokianga Harbour.
" 9	Approves plans of a reclamation which the Auckland Harbour Board proposes to carry out in Mechanics Bay.
" 9	Authorizes the Auckland Harbour Board to carry out a reclamation in Mechanics Bay.
" 9	Approves plan of a wharf which the Auckland Harbour Board proposes to erect at Kauri Point Park, Auckland Harbour.
" 24	Approves plans of the following works which the Public Works Department proposes to hand over to the Waihou and Ohinemuri Rivers Improvement Board when it is constituted, viz: An extension in length of the Ngahina Bridge over the Waihou River, at Puke, M.D. 4707; the construction of a wharf at Ngahina, M.D. 4708; the construction of a slip at Ngahina for the use of the Government dredging plant, M.D. 4709.
" 24	Licenses Francis Dye, of Kaukapakapa, to occupy a portion of the land between high- and low-water marks at Kaukapakapa, Kaipara Harbour, and to reclaim same, such license to be in force for a period of twenty-one years.
" 30	Licenses A. E. Harding to use and occupy a part of the foreshore at Aoroa, Kaipara Harbour, as a site for a wharf for a period of seven years.
" 30	Approves plans of a wharf and shed which the Ohinemuri County Council proposes to erect on the foreshore at Kaimanawa, Waihou River.
Feb. 2	Licenses the Ohinemuri County Council to use and occupy a part of the foreshore and land below low-water mark at Kaimanawa, Waihou River, as a site for a wharf and shed for a period of fourteen years.

RETURN SHOWING THE ORDERS IN COUNCIL ISSUED, ETC.—*continued.*

Date of Order.	Purpose of Order.
1917.	
Feb.	7 Approves plan M.D. 4734 of a wharf which the Komiti Fruit Lands Development Company (Limited) proposes to erect on the foreshore of Komiti Bay, Kaipara Harbour.
„	7 Licenses the Komiti Fruit Lands Development Company (Limited) to use and occupy a part of the foreshore and land below low-water mark of Komiti Bay, Kaipara Harbour, as a site for a wharf for a period of fourteen years.
„	7 Approves plan M.D. 4723 of a proposed extension to the Otamatea County Council's wharf at Little Shag Creek, Tokatoka.
„	7 Licenses the Otamatea County Council to use and occupy a part of the foreshore and land below low-water mark of Little Shag Creek, Tokatoka, as a site for a wharf-extension for a period of fourteen years.
„	7 Revokes Order in Council of the 28th August, 1916, licensing the Dargaville Borough Council to use and occupy a part of the foreshore, tidal land, and tidal water of the Wairoa River, at Dargaville, Kaipara Harbour, as a site for a fire-brigade shed.
„	7 Approves plan marked M.D. 4736 of a fire-brigade shed which the Dargaville Borough Council proposes to construct on the foreshore, tidal land, and tidal water of the Wairoa River at Dargaville, in Kaipara Harbour.
„	7 Licenses the Dargaville Borough Council to use and occupy a part of the foreshore, tidal land, and tidal water of the Wairoa River at Dargaville, in Kaipara Harbour, as a site for a fire-brigade shed for a period of fourteen years.
„	7 Approves plan M.D. 4701 of a proposed extension to the Northern Wairoa Co-operative Dairy Company's wharf at Mangawhare, Northern Wairoa.
„	7 Licenses the Northern Wairoa Co-operative Dairy Company (Limited) to use and occupy a part of the foreshore and land below low-water mark at Mangawhare, Northern Wairoa, as a site for a wharf-extension for a period of fourteen years.
„	7 Renews an Order in Council licensing Messrs. A. S. Andrewes and Sons to use and occupy a part of the foreshore and land below low-water mark at Opononi, Hokianga Harbour, as a site for a wharf, and prescribing dues for the use of the same, for a period of seven years from the 24th March, 1917.
„	13 Approves plan of the Northern Wairoa Timber Company's (Limited) timber-booms across the Mangakahia River, Kaipara.
„	13 Licenses the Northern Wairoa Timber Company (Limited) to use and occupy a part of the foreshore and land below low-water mark of the Mangakahia River, Kaipara, as a site for timber-booms for a period of fourteen years.
„	13 Approves plan of Mr. Harold Stanley Anderson's timber-booms on the Te Whapu Creek, Dargaville, Kaipara Harbour.
„	13 Licenses Harold Stanley Anderson to use and occupy a part of the foreshore and land below low-water mark of the Te Whapu Creek, Dargaville, Kaipara Harbour, as a site for timber-booms for a period of fourteen years.
„	13 Approves plan of a wharf which the Whakatane Harbour Board proposes to construct at Whakatane, and authorizes the Board to carry out the construction of the wharf in accordance with the said plan.
„	13 Approves plan of a wharf which Mr. Alexander Burt, jun., of Auckland, proposes to erect at Otakawhea, Waiheke Island.
„	13 Licenses Mr. Alexander Burt, jun., of Auckland, to use and occupy a part of the foreshore and land below low-water mark of Otakawhea Bay, Waiheke Island, as a site for a wharf for a period of fourteen years.
„	13 Makes general rules for Court of Survey under section 248 of the Shipping and Seamen Act, 1908.
„	27 Approves plan M.D. 4718 of a boat-shed and slip which H. B. Jones proposes to erect in Whangaroa Bay, Chatham Islands.
„	27 Licenses H. B. Jones to occupy foreshore below low-water mark at Whangaroa Bay, Chatham Islands, as a site for a boat-shed and slip for a period of fourteen years.
Mar.	6 Amends general regulations under Part II of the Fisheries Act, 1908, <i>re</i> taking trout for the purposes of pisciculture.
„	6 Appoints Henry Grennell, sen., to be a trustee for the management of the wharf at Waitangi, Chatham Islands.
„	6 Approves plan M.D. 4655 of a reclamation which the Devonport Borough Corporation proposes to carry out at Stanley Bay, Auckland Harbour.
„	6 Authorizes the Devonport Borough Corporation to reclaim land at Stanley Bay, Auckland Harbour.
„	14 Amends the regulation for the election of members of Harbour Boards by the electors of a combined district <i>re</i> notice to be given for a vacancy and the notice to be given for the nomination of a candidate.
„	19 Approves plan M.D. 4710 of a sawmill which Mr. D. K. Dysart proposes to erect at Uwhiroa Creek.
„	19 Licenses D. K. Dysart, of Herekino, to use and occupy a part of the foreshore at Uwhiroa Creek as a site for a sawmill for a period of fourteen years.
„	19 Alters representation of certain combined districts on the Auckland Harbour Board and appoints principal authorities.
„	19 Alters representation of certain combined districts on the Otago Harbour Board and appoints principal authorities.
„	19 Consolidates regulations regarding the election of members of Harbour Boards.
„	26 Approves plans M.D. 4151 and M.D. 4705 of a wharf and shed which the Pukeatua Road Board proposes to construct on the foreshore near Viponds, Silverdale, Wade River.
„	26 Licenses the Pukeatua Road Board to use and occupy a part of the foreshore and land below low-water mark near Viponds, Silverdale, Wade River, as a site for a wharf and shed for a period of fourteen years.
„	26 Approves plans M.D. 4726 and M.D. 4750 of a boat-shed and slip which John Henry Francis Hamel proposes to erect on the foreshore at Purakanui.
„	26 Licenses John Henry Francis Hamel to use and occupy a part of the foreshore and land below low-water mark at Purakanui as a site for a boat-shed and slip for a period of fourteen years.

RETURN SHOWING THE NUMBER OF LAND BOILERS AND MACHINERY INSPECTED DURING THE  
FINANCIAL YEAR ENDED 31ST MARCH, 1917.

*Boilers.*

Class.	Not exceeding 5 Horse-power.	Exceeding 5 but not exceeding 10 Horse-power.	Exceeding 10 Horse-power.	Total.
Stationary ... ..	2,561	822	1,896	5,279
Portable ... ..	173	1,109	396	1,678
Totals ... ..	2,734	1,931	2,292	6,957

*Machinery.*

Class.	Number.
Hydraulic lifts ... ..	304
Gas-lifts ... ..	21
Electric lifts ... ..	551
Steam-lifts ... ..	39
Oil-lifts ... ..	9
Gas, hydraulic, and electric-motor hoists ... ..	493
Water-engines, water and electric motors, and water-wheels ... ..	3,489
Peltons ... ..	204
Turbines ... ..	112
Gas-engines ... ..	1,418
Oil-engines ... ..	5,761
Steam machinery ... ..	4
Total ... ..	12,405

RETURN SHOWING THE NUMBER OF SERVICE AND COMPETENCY CERTIFICATES ISSUED TO STATIONARY,  
WINDING, LOCOMOTIVE AND TRACTION, AND TRACTION ENGINE DRIVERS, AND TO ELECTRIC-TRAM  
DRIVERS DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1917.

Class.	Number.
Steam stationary—	
Service—First class .. .	8
Competency—	
Extra first class engineer .. .	1
First class .. .	41
Second class .. .	154
Electric winding, competency .. .	2
Locomotive and traction, competency .. .	90
Locomotive, competency .. .	2
Traction, competency .. .	49
Electric tram, competency .. .	115
	462



# RETURN OF NON-FATAL ACCIDENTS IN CONNECTION WITH MACHINERY DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1917.

Name and Address of Owner.	Description of Machinery.	Name and Age of Person Injured.	Date of Accident.	Nature of Injury.	Cause of Accident, and Remarks.
New Plymouth Borough Council, New Plymouth	Stone-crusher	Hugh Gunn ; 52 years	6/4/16	Head and body injured	In trying to put a belt on a pulley while in motion Gunn got entangled in the belt. He was drawn round the shaft. His head was bruised, his right arm and ribs were broken, and his knee injured.
Blazer Firewood Company, South Dunedin	Bundling firewood	James Fletcher ; 17 years	10/4/16	Finger injured	Fletcher put his right hand in the machine to withdraw a finished bundle, when his finger was nipped in the compressing jaws.
Edward Jones, Hamilton	Hair-teasing	Albert Maynes ; 15 years	11/4/16	Fingers lost	When cleaning the rollers in motion with his right hand instead of using a stick Maynes had two of his middle fingers caught in the fluted rollers.
Whitcombe and Tombs (Limited), Dunedin	Printing	Barbara Elliott ; 20 years	28/4/16	Hand injured	Elliott was feeding the machine and allowed her right hand to be drawn into the rollers. The little finger was almost severed, and the rest of the hand was badly crushed.
The Scoullar Company (Limited), Wellington	Goods lift	William Sebina ; 49 years	15/5/16	Heel injured	Sebina was conveying wood from one floor to another on a lift. His right foot slipped and got between the lift and a side beam, when the heel was badly crushed.
The Oamaru Woollen Factory Company (Limited), Oamaru	Wool-teazer	Francis Ennis ; 58 years	16/5/16	Hand injured	The belt slipped off the machine through its being choked with wool. Ennis, not noticing that it was not quite stopped, put in his right hand to remove the wool, when it came into contact with the spiked drum, lacerating the hand and wrist.
A. and T. Burt (Limited), Dunedin	Downpipe	Arthur Bryan ; 23 years	17/5/16	Thumb injured	Bryan had his right hand on the machine, when the mandrill came up and caught his thumb and crushed it.
Dunedin Corporation Gasworks, Dunedin	Shafting	Alexander Porter ; 47 years	17/5/16	Ribs injured	While whitewashing ceiling standing on a plank Porter's clothing was caught by the revolving shaft. It pulled him round, causing injury to two of his ribs.
Sargood, Son, and Ewen, Auckland	Goods lift	Henry Law ; 40 years	22/5/16	Head injured	Law was on the second floor, when he put his head over the projecting gate in well to call out for some nails. He did not notice that the lift was descending from the third floor. His head was jammed between the cage of the lift and the projecting gate.
Alexander Harvey and Sons (Limited), Auckland	Rolling	B. A. Lownds ; 16 years	10/6/16	Fingers injured	When working at the machine Lownds' right hand was caught in the rollers. Two of his fingers were crushed.
W. J. Clark, Levels	Chaffcutter	Ernest Quinn ; 30 years	12/6/16	Hand lost	Quinn was feeding the machine, when his left hand was drawn into the rollers and the knives. The hand was cut off.
Wilson Portland Cement Company (Limited), Warkworth	Belt and pulley	Arthur Wilson ; 30 years	19/6/16	Body injured	Wilson was reaching over a pulley, instead of going round it, to push in a clutch lever. His left arm was caught between the belt and pulley, causing injury to his left collar-bone and to both shoulders.
Irvine and Stevenson, St. George's Company (Limited), Dunedin	Putting tops on tins	John Mangan ; 18 years	3/7/16	Finger injured	When working at machine Mangan's third finger of left hand got under the stamp.
The Oamaru Woollen Factory Company (Limited), Oamaru	Worsted	Thomas Mills ; 14 years	12/7/16	Finger injured	While feeding machine Mills's forefinger of his left hand was caught in it, and it was badly cut.
Robert Holt and Sons, Napier	Band saw	A. M. Berry ; 40 years	17/7/16	Hand injured	Berry allowed his left hand to be caught in the feed-rollers, causing the loss of the fingers and palm of hand.
Whitcombe and Tombs (Limited), Dunedin	Embossing	May Budge ; 19 years	18/7/16	Finger injured	Budge accidentally allowed the second finger of her left hand to get under the die.
A. and T. Burt (Limited), Dunedin	Lathe	R. Morrison ; 35 years	19/7/16	Finger injured	Morrison's left hand was caught between the chuck and the rest, doing injury to the third finger.

RETURN OF NON-FATAL ACCIDENTS IN CONNECTION WITH MACHINERY, ETC.—*continued.*

Name and Address of Owner.	Description of Machinery.	Name and Age of Person injured.	Date of Accident.	Nature of Injury.	Cause of Accident, and Remarks.
Edward Jones, Hamilton ..	Hair-teasing ..	Harold Keeley ; 16 years ..	24/7/16	Hand injured ..	While scraping hair off the rollers with a stick Keeley's hand was caught in them and was crushed.
Bassett and Co. (Limited), Wanganui ..	Circular saw ..	E. J. Watson ; 23 years ..	26/7/16	Thumb injured ..	Watson's thumb of his left hand came in contact with saw.
Otago Daily Times and Witness Newspaper Company (Limited), Dunedin ..	Printing ..	James Frame ; 20 years ..	1/8/16	Fingers injured ..	When feeding machine Frame's left hand was caught in the rollers, bruising four fingers.
Andersons Limited, Christchurch ..	Slotting ..	C. Algie ; 37 years ..	2/8/16	Hand injured ..	Algie's hand was injured while working at the slotting-machine.
A. and T. Burt (Limited), Dunedin ..	Moulding ..	Thomas Smith ; 30 years ..	5/8/16	Finger injured ..	Smith's first finger of right hand was caught in the machine and bruised.
D. M. Fea, Tahakopa ..	Chaffcutter ..	D. M. Fea ; 60 years ..	5/8/16	Fingers injured ..	Fea was lifting the cover of the cutter into position when the fly-wheel caught the lid. The lid was shot backwards, and caused injury to the two fingers of his left hand.
Leyland-O'Brien Timber Company (Limited), Auckland ..	Circular-saw bench ..	R. Mitchell ; 30 years ..	7/8/16	Finger injured ..	Mitchell was picking a chip of wood off the pinion which drives the bench up and down. His mate, not noticing what he was doing, ran the bench ahead, when the third finger of his left hand was caught between the rack and the pinion.
Andersons Limited, Christchurch ..	Punching ..	H. Fielding ; 19 years ..	9/8/16	Finger injured ..	While punching straps Feilding's middle finger got under one of them, when the nail was taken off.
G. Fleming and Sons, Nelson ..	Circular saw ..	Ross Grace ; 21 years ..	17/8/16	Thumb injured ..	Grace's right hand slipped, and his thumb came in contact with the saw.
Humphreys Bros., Morrinsville ..	Morticing ..	Cecil Wills ; 15 years ..	9/9/16	Arm injured ..	When tightening up a nut on the machine the spanner used by Wills slipped, and his left arm came in contact with the cutting-chain, cutting the flesh and muscles of the upper arm.
Belmont Quarry Company (Limited), Wellington ..	Stone-crushing ..	William Sant ; 36 years ..	19/9/16	Body and legs injured ..	When attending to a belt on the shaft a key caught Sant's shirt, and he was wound round the shaft and received flesh wounds on his body and legs.
Stewart Bros., Wanganui ..	Oil-engine ..	H. J. Maseman ; 21 years ..	19/9/16	Finger injured ..	Maseman caught hold of rim of fly-wheel to start the engine. There was no clearance between the wheel and the casing. The third finger was jammed between the wheel and the engine-bed, necessitating amputation at first joint.
C. and W. Hayward (Limited), Dunedin ..	Goods lift ..	John Johnston ; 18 years ..	27/9/16	Toe injured ..	When riding on lift Johnston had his left foot projecting over edge. It was caught between the lift and the floor, and his big toe was crushed.
Lewis R. Tosswill, Milton ..	Printing press ..	A. N. Wakefield ; 19 years ..	29/9/16	Fingers injured ..	When feeding press Wakefield allowed his right hand to be caught in the rollers. The tips of the first three fingers were crushed.
Milburn Lime and Cement Company (Limited), Dunedin ..	Cement-grinding ..	Frederick Hossitt ; 40 years ..	4/10/16	Fingers injured ..	While lubricating the machine the third and fourth fingers of Hossitt's right hand were caught in it, and the tips were crushed.
George Poole and Sons, Invercargill ..	Planer ..	Thomas Walker ; 19 years ..	11/10/16	Finger injured ..	Walker's left hand slipped, and it came in contact with the knives and the third finger was cut off.
Alexander Harvey and Sons (Limited), Auckland ..	Dial-feed press ..	Muriel Cuff ; 19 years ..	16/10/16	Fingers injured ..	Cuff attempted to clear a tin which got jammed in the press with her fingers, when they were caught by the knives, taking tips off two fingers of her left hand.
New Zealand Refrigerating Company (Limited), Islington ..	Lathe ..	L. Gordon ; 17 years ..	16/10/16	Hand injured ..	When turning a piece of timber Gordon's left hand was jammed in the slide-rest, and it was torn.
William Nees and Sons (Limited), Dunedin ..	Breast saw ..	Axel Qvan ; 38 years ..	16/10/16	Thumb injured ..	When sawing Qvan's right hand came in contact with the saw, lacerating the tip of the thumb.

Fletcher Bros., Auckland ..	Concrete-mixer ..	Arthur Duthie ; 32 years ..	20/10/16 ..	Leg injured ..	When working the mixer Duthie put his foot on top of the trough, his foot slipped, and his leg was caught by the propellers in the trough. It was so badly injured that it had to be amputated below the knee.
Leyland-O'Brien Timber Company (Limited), Auckland ..	Recutting saw ..	Thomas Inglis ; 43 years ..	1/11/16 ..	Hand injured ..	Instead of using a shovel to clear the sawdust from the saw Inglis used his right hand. His hand came into contact with the saw.
Fletcher H. Reilly, Wellington ..	Circular saw ..	Reuben Flan ; 29 years ..	8/11/16 ..	Thumb injured ..	When sawing a piece of timber Flan's left thumb came into contact with saw, cutting it.
Phoenix Company (Limited), Dunedin ..	Printing ..	St. G. Ferguson ; 35 years ..	10/11/16 ..	Finger injured ..	The index finger of Ferguson's right hand was caught by the revolving cylinder and crushed, and it had to be amputated at the second joint.
Aulsebrook and Co., Christchurch ..	Biscuit-cutting ..	D. Blundell ; 28 years ..	14/11/16 ..	Finger injured ..	When putting trays into machine Blundell's forefinger of right hand was caught between the chain and the tray, and it was cut.
Cossens and Black (Limited), Dunedin ..	Lathe ..	R. V. Hanna ; 19 years ..	22/11/16 ..	Body and arm injured ..	Hanna slipped and fell on to the spur-gearing. His coat was caught in it, and he was pulled into the gearing. He was severely cut on the right breast and the upper part of the right arm.
New Zealand Refrigerating Company (Limited), Islington ..	Goods lift ..	Neil Millar ; 37 years ..	24/11/16 ..	Hand and leg injured ..	While Millar was on the lift the balance-weight connections broke. The lift dropped, causing injury to his left hand and leg.
G. Syme and Co. (Limited), Tangiwa ..	Saw-bench ..	A. England ; 28 years ..	25/11/16 ..	Ear injured ..	A maul was lying on the bench. When the bench was run back the maul was caught by the saw and thrown against England, striking him severely on the right ear.
A. and T. Burt (Limited), Dunedin ..	Lathe ..	C. Boddy ; 16 years ..	4/12/16 ..	Finger injured ..	Boddy inadvertently got the second finger of his left hand in the gear-wheels of lathe.
Thomas Borthwick and Sons (Limited), Belfast ..	Refrigerating ..	A. E. Fallwell, 32 years ..	6/12/16 ..	Hands and head injured ..	Rope slipped off the main drive, and fouling the turning-gear broke. It struck Fallwell, inflicting several cuts on head and hands.
S. Manning and Co. (Limited), Christchurch ..	Refrigerating ..	A. Southcombe ; 36 years ..	11/12/16 ..	Leg injured ..	Instead of tightening up a nut on the machine outside the guard Southcombe went inside, when his leg was caught in the pulley-belt. It was so injured that it had to be amputated at the knee.
C. and W. Hayward (Limited), Dunedin ..	Planer ..	A. Mackay ; 26 years ..	19/12/16 ..	Fingers injured ..	When working at planer Mackay's right hand came in contact with the knives. The tips of the first three fingers were cut off.
D. Goldie and Sons, Auckland ..	Crosscut saw ..	P. Skerratt ; 30 years ..	22/12/16 ..	Finger injured ..	Through inattention Skerratt's finger was cut by the saw.
The Bell Tea Company (Limited), Dunedin ..	Goods lift ..	S. Shirley ; 13 years ..	6/1/17 ..	Head injured ..	Shirley put his head through between the guarding-rails and the overhead gear of the descending lift. The lift struck him on the head, causing a scalp wound and damage to his teeth.
Wellington Cabinet Company (Limited), Wellington ..	Woodworking ..	T. H. Ennis ; 34 years ..	9/1/17 ..	Finger injured ..	While sawing Ennis slipped, and his second finger was caught by the saw and the point cut off.
G. Fleming and Sons, Nelson ..	Gas-engine ..	Walker Foster ; 17 years ..	10/1/17 ..	Face injured ..	After starting the engine Foster bent over it to examine the firing-tube, when it exploded, doing damage to his face and eyes.
Auckland Steam Laundry (Limited), Auckland ..	Steam mangle ..	Nellie Webb ; 24 years ..	11/1/17 ..	Hand injured ..	While attempting to pull the apron straight Webb slipped, and her hand was caught between the iron rollers and the hot steel cylinder. Her hand was burnt, the bones crushed, and the wrist broken.
A. and T. Burt (Limited), Dunedin ..	Shaping ..	Robert Facooey ; 15 years ..	12/1/17 ..	Arm injured ..	When taking the cock he was turning out of lathe in motion Facooey's loose sleeve was caught by a set screw, and his left arm was slightly injured.
Bassett and Co. (Limited), Wanganui ..	Swing saw ..	Albert Haggie ; 16 years ..	17/1/17 ..	Hand injured ..	Haggie was crosscutting a board, when his right hand came in contact with the saw.
William Cable and Co. (Limited), Kaiwarra ..	Turret lathe ..	T. J. Holliday ; 17 years ..	24/1/17 ..	Body injured ..	When passing round back of lathe Holliday's clothing was caught by a bar revolving in the lathe. He was whirled round a number of times before machine could be stopped. He sustained bruises and a severe shaking.

RETURN OF NON-FATAL ACCIDENTS IN CONNECTION WITH MACHINERY, ETC.—*continued.*

Name and Address of Owner.	Description of Machinery.	Name and Age of Person injured.	Date of Accident.	Nature of Injury.	Cause of Accident, and Remarks.
Alcock and Co. (Limited), Wellington ..	Circular saw ..	H. Wheatley ; 18 years ..	25/1/17	Fingers lost ..	While sawing timber Wheatley accidentally let his right hand come in contact with the saw. He lost all his fingers.
D. Goldie and Sons, Auckland ..	Crosscut saw ..	T. Ellis ; 56½ years ..	31/1/17	Finger injured ..	Ellis's finger came in contact with the saw when he was engaged crosscutting a board.
Aulsebrook and Co., Christchurch ..	Box-lacing ..	Ellen McGowan ; 19 years ..	1/2/17	Finger injured ..	While smoothing out the lace McGowan accidentally started the machine. The first finger of her left hand was squeezed between the work and the presser.
Waitemata Sawmill Company, Auckland ..	Crosscut saw ..	A. Mitchell ; 15 years ..	3/2/17	Thumb injured ..	Mitchell's left-hand thumb touched the saw.
Jas. J. Niven and Co. (Limited), Napier ..	Drilling ..	Alexander Park ; 16 years ..	13/2/17	Wrist injured ..	The sleeve of the overalls Park was wearing was caught by the projecting set-pin in drill-holder of driving spindle, drawing his arm into the machine. His wrist was broken, and damage was also done to his shoulder.
J. Wilkie and Co. (Limited), Dunedin ..	Letterpress ..	James Clark ; 27 years ..	20/2/17	Fingers injured ..	When cleaning the machine while it was in motion the oil-rag Clark was using was caught in the gearing. His hand was drawn in, and the middle and fourth fingers of his right hand were crushed.
The Clutha Timber and Hardware Company (Limited), Balclutha ..	Shafting ..	Frank Jenks ; 15 years ..	2/3/17	Shoulder injured ..	Jenks was leaning over the revolving shaft to obtain a tin of oil, when his overall was caught by the shaft. He was thrown clear, and had his shoulder bruised.
A. and T. Burt (Limited), Dunedin ..	Lathe ..	William Rowlands ; 14 years ..	12/3/17	Finger injured ..	Rowlands' right hand was caught in the chuck of the lathe, causing injury to the second finger.
J. Wilkie and Co. (Limited), Dunedin ..	Die-cutting ..	Mary Thompson ; 18 years ..	14/3/17	Finger injured ..	Thompson's forefinger of her right hand got under the die, and it was crushed.
Kauri Timber Company (Limited), Auckland ..	Crosscut saw ..	L. McConnell ; 16 years ..	19/3/17	Fingers lost ..	In moving the timber along the bench with his left hand McConnell inadvertently pressed the lever and brought the saw forward. It caught his third and fourth fingers, and they had to be amputated.
W. L. Thompson, Wellington ..	Friction winch ..	Thomas Hill ; 30 years ..	29/3/17	Thumb injured ..	Whilst engaged lowering the fall, instead of putting the lever into the neutral position Hill put it into forward movement. He had his left hand on the friction-wheel at the time, and he got his thumb crushed.
Aulsebrook and Co., Christchurch ..	Biscuit-cutting ..	Angus Russell ; 23 years ..	31/3/17	Hand injured ..	When taking his place at the machine the lace on one of Russell's boots caught in a hook on the other boot, which caused him to fall. In falling he pushed his right hand under the cutters, when it was crushed.
Timaru Post Company (Limited), Timaru ..	Shafting ..	Douglas Finnie ; 13 years ..	31/3/17	Thumb and wrist injured ..	Finnie was playing on top of a machine with a piece of string round his thumb. He threw the loose end over the shaft, when it got round the shaft and was held, and his hand was drawn in. He lost his thumb, and his wrist was broken.

## RETURN OF FATAL ACCIDENTS IN CONNECTION WITH MACHINERY DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1917.

Name and Address of Owner.	Description of Machinery.	Name and Age of Person Injured.	Date of Accident.	Nature of Injury.	Cause of Accident, and Remarks.
Williamson, Williamson, and Bloomfield, Auckland	Hydraulic lift	Henry George Chilton ; 22 years	15/4/16	Fatal	Through the lift creeping upwards Chilton placed his hand on the floor of the cage, which was about level with his shoulders, in order to bring it down. It started to move, and his hands must have slipped, when he lost his balance. He fell down the lift-well, and was instantaneously killed.
Jas. J. Niven and Co. (Limited), Napier	Emery grinder	William Winterbottom ; 42 years	24/5/16	Fatal	Winterbottom was grinding a cotter-pin when the stone broke in two. The pin he was grinding got wedged between the rest and the stone. One piece of the stone struck him on the right temple, causing his death an hour afterwards.
Leyland-O'Brien Timber Company (Limited), Auckland	Circular saw	Wright Chambers ; 43 years	25/5/16	Fatal	Chambers was working at the saw, when a piece of timber flew off and struck him in the abdomen, causing internal injuries from which he died two days afterwards.
Wellington Harbour Board, Wellington	Hydraulic lift	A. E. Marks ; 55 years	13/7/16	Fatal	Marks was working on the first floor near the lift-well, with his back to the lift. It is presumed that he stepped backwards with the intention of getting on the lift. It was then some distance above the floor-level. He fell to the bottom of the lift-well, and received such injuries to his head that his death occurred a few hours afterwards.
F. V. Raymond, Remuera	Gum-dredge driving-gear	Chris Otte ; 26 years	4/10/16	Fatal	Through going too near the first-motion shaft, although he was warned not to do so, by some means Otte was caught by the shaft. Both of his legs and one arm were broken, and he also received other injuries which caused his death a few hours afterwards.
Thomas Todd and Sons (Limited), Waihi	Grinding-fan	Nathaniel Todd ; 43 years	25/10/16	Fatal	Todd was trying to free a piece of sacking, which had got entangled on the shaft, while the machine was in motion. His arm was caught in the sacking, and he was drawn round the shaft. His left arm was severed and knee and ankle were broken. His death occurred four days afterwards.
Mace and Nicholson, Wellington	Road-engine	William Townley ; 30 years	31/10/16	Fatal	Townley had jacked up the engine and was lowering it when the jack canted. The engine fell on his back and caused internal injuries, from which he died shortly afterwards.

RETURN OF ENGINEERS TO WHOM EXTRA FIRST-CLASS CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

Name of Person.	Date of Issue.	No.
Cunningham, Robert Henderson .. .. .	January 30, 1917 .. .. .	98

RETURN OF FIRST-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF SERVICE HAVE BEEN GRANTED FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Bolitho, James .. .. .	1917. Mar. 22	1749	Mahon, Patrick .. .. .	1916. Nov. 29	1746
Broadbent, Ezra .. .. .	1916. May 23	1743	Morgan, Richard Powell .. .. .	1917. Mar. 22	1747
James, John .. .. .	Aug. 4	1744	McCoy, James .. .. .	1916. May 23	1742
Joyce, Ernest Joseph .. .. .	1917. Mar. 22	1748	Ryall, Thomas Edward .. .. .	Aug. 4	1745

RETURN OF FIRST-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Baxendale, James .. .. .	1916. May 23	1781	Munro, Niccoless Henry George .. .. .	1916. Aug. 25	1793
Churchill, Leslie Jacob .. .. .	" .. .. .	1780	McAlley, Avon Ephorpe .. .. .	May 23	1783
Cowman, Charles Hope .. .. .	Nov. 29	1810	McIvor, Simpson .. .. .	1917. Mar. 22	1817
Crampton, Frederick John Bullard .. .. .	May 23	1782	Nielsen, Hans Valdemar .. .. .	1916. Nov. 29	1804
Curno, Charles Benjamin .. .. .	Aug. 25	1798	Palmer, Charles Christie .. .. .	May 23	1790
Donaldson, Richard .. .. .	Nov. 29	1803	Porter, Thomas .. .. .	Aug. 25	1799
Duncan, Robert William .. .. .	May 23	1792	Robertson, Peter Spiers .. .. .	May 23	1778
Erickson, Gustave Martinono .. .. .	" .. .. .	1788	Scott, Henry Albert .. .. .	Aug. 25	1794
Gornack, John Lawrence .. .. .	Nov. 29	1806	Shepherd, Walter James .. .. .	1917. Mar. 22	1815
Gosling, Edward George .. .. .	" .. .. .	1811	Skilton, Rupert George .. .. .	1916. May 23	1789
Gwyn, William .. .. .	" .. .. .	1813	Skutt, Ernest William .. .. .	" .. .. .	1791
Hendry, Robert .. .. .	" .. .. .	1808	Stanley, Job .. .. .	Aug. 25	1800
Hildebrand, Edgar .. .. .	1917. Mar. 22	1816	Stevens, Eden .. .. .	" .. .. .	1796
Hunter, Bertram .. .. .	1916. Nov. 29	1809	Swanson, David .. .. .	" .. .. .	1802
Hunter, Thomas .. .. .	May 23	1784	Thomas, George Grey McGregor .. .. .	" .. .. .	1797
Kelly, Denis .. .. .	1917. Mar. 22	1818	Thompson, Andrew Robert .. .. .	May 23	1786
Luke, Frederick James .. .. .	" .. .. .	1819	Thomson, David .. .. .	Nov. 29	1805
Martin, Thomas Edward .. .. .	1916. May 23	1785	Vicary, Louis Claude .. .. .	Aug. 25	1801
Mitchell, William John .. .. .	Nov. 29	1812	Williams, Frank Harold .. .. .	May 23	1787
Montgomery, John .. .. .	Aug. 25	1795	Wood, James Haswell .. .. .	" .. .. .	1779
Muir, John .. .. .	Nov. 29	1807			

RETURN OF SECOND-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Adsett, Albert .. .. .	1916. May 23	4388	Baxendale, James .. .. .	1916. May 23	4395
Austin, Charles Eardly .. .. .	" .. .. .	4394	Beach, Edward James .. .. .	" .. .. .	4416
Anderson, John Louis .. .. .	Nov. 29	4488	Beaumont, Robert Arthur .. .. .	Nov. 29	4490
Baird, William James .. .. .	May 23	4410	Bentley, Frederick William .. .. .	May 23	4411
Ballantyne, Campbell .. .. .	1917. Mar. 22	4530	Birt, Charles .. .. .	Aug. 25	4459
Banton, Vincent William .. .. .	1916. Aug. 4	4440	Bowles, Albert Edward .. .. .	May 23	4408
Barnes, Charles Thompson .. .. .	1917. Mar. 22	4531	Brittain, Edgar James .. .. .	Aug. 25	4484
Barrett, Phillip Patrick .. .. .	1916. Nov. 29	4495	Brook, John .. .. .	" .. .. .	4475
Barron, James .. .. .	1917. Mar. 22	4528	Brown, James .. .. .	May 23	4389
			Brown, Robert .. .. .	Aug. 25	4468
			Brown, Robert Joseph .. .. .	1917. Mar. 22	4535
			Brown, William .. .. .	Jan. 30	4521

RETURN OF SECOND-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY  
HAVE BEEN GRANTED FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917—*continued*.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1916.			1916.	
Butcher, William Henry .. ..	Aug. 4	4441	Morley, Edmund .. ..	Aug. 4	4447
Campbell, Frank .. ..	Nov. 29	4502	Murdoch, Alexander .. ..	Nov. 29	4499
Connolly, Thomas .. ..	Aug. 25	4469	Murray, Robert George .. ..	May 23	4401
Cotter, William .. ..	"	4480	McBeath, Robert .. ..	Nov. 29	4515
Craig, Albert Samuel .. ..	Nov. 29	4492	McCallum, David .. ..	Aug. 4	4448
Crawford, Augustus John .. ..	"	4498		1917.	
Cubis, Harold .. ..	Aug. 25	4470	McDowell, Roy .. ..	Mar. 22	4523
	1917.		McEwin, William George .. ..	"	4536
Curlew, Arthur .. ..	Mar. 22	4522	McIntosh, Ronald George .. ..	"	4539
	1916.			1916.	
Darling, John .. ..	May 23	4400	Naylor, Reginald Woodrough .. ..	May 23	4403
Davis, Thomas .. ..	"	4396		1917.	
Donovan, John .. ..	Nov. 29	4491	Nelson, Alexander Benjamin .. ..	Mar. 22	4541
Dromgoole, Victor Peter .. ..	May 23	4404		1916.	
Dunn, Robert Scott .. ..	"	4393	Nicolson, Frank Johnson .. ..	May 23	4431
Edgar, Andrew Loraine .. ..	"	4421		1917.	
Evans, James Henry .. ..	"	4398	Nissen, Eric Cause .. ..	Mar. 22	4538
Ferguson, James Taylor .. ..	"	4429		1916.	
Ferguson, Robert Randolph .. ..	Nov. 29	4508	Oates, James George .. ..	Aug. 25	4483
Findlater, John Winter .. ..	Aug. 25	4476	Orchard, Charles Earl .. ..	Aug. 4	4445
Findlater, Robert Bruce .. ..	May 23	4424	Osbaldiston, James .. ..	Aug. 25	4465
Fitzgibbon, Patrick .. ..	Aug. 4	4452	Parry, Henry Trevor .. ..	Nov. 29	4519
Forbes, Neil .. ..	Aug. 25	4471	Parry, Llewellyn Mostyn .. ..	Aug. 4	4450
Foskett, Cecil .. ..	May 23	4405		1917.	
Foulsham, William Henry .. ..	Nov. 29	4509	Patterson, Albert Stanley .. ..	Mar. 22	4542
Fraser, Donald .. ..	Aug. 25	4472		1916.	
Fraser, George Cumming .. ..	May 23	4402	Pearson, Kenneth Selwyn .. ..	Aug. 25	4457
Gallon, Charles Edward Henry .. ..	"	4436		1917.	
Gavan, George Peter .. ..	Aug. 4	4449	Pike, Hubert James .. ..	Mar. 22	4529
Geruschkat, Franz William .. ..	May 23	4434		1916.	
Gillespie, Lawrence Livingstone .. ..	Nov. 29	4503	Rae, Thomas .. ..	Aug. 25	4474
Gilliand, Charles David .. ..	Aug. 25	4478	Reeve, Ernest Henry .. ..	Nov. 29	4497
Green, Joseph Henry .. ..	May 23	4423	Reid, James .. ..	May 23	4432
Hardaker, Hector Cunningham .. ..	Aug. 25	4456		1917.	
Hartley, Albert Victor .. ..	Aug. 4	4439	Richardson, Wilfred Osborne .. ..	Mar. 22	4540
Harvey, George .. ..	May 23	4406		1916.	
Hay, Ferdinand Faithful .. ..	Nov. 29	4504	Ridder, Francis .. ..	May 23	4397
Hay-Mackenzie, Albert Alexander .. ..	May 23	4391	Riseley, Ernest .. ..	Nov. 29	4516
Healy, Victor Joseph .. ..	Nov. 29	4500	Ruffles, Alfred .. ..	May 23	4418
Herbert, Barton John .. ..	"	4486	Ryder, John .. ..	Nov. 29	4518
Heron, William .. ..	"	4496	Sawers, David Eric .. ..	Aug. 25	4473
Hewson, Joseph .. ..	May 23	4412	Shakespeare, Henry .. ..	Nov. 29	4517
Hill, Robert .. ..	"	4425	Sloan, Frank Cockburn .. ..	"	4487
Hinds, John .. ..	Aug. 25	4464	Smart, Sidney Herbert .. ..	May 23	4426
Hopping, John Lewis .. ..	Aug. 4	4454	Sparks, Henry .. ..	"	4414
Houghton, Arthur .. ..	Aug. 25	4467	Speight, Leonard .. ..	"	4407
Hughan, John .. ..	"	4479	Steen, Bernard .. ..	Nov. 29	4493
Hurst, Herbert Irvine .. ..	"	4485	Stephenson, John Frederick .. ..	Aug. 25	4458
Inglis, Walter James .. ..	"	4481	Stevenson, Rupert Joseph .. ..	Nov. 29	4506
Jago, Frederick Thomas .. ..	"	4461	Stewart, Alexander .. ..	"	4497
Jensen, Ronald Ernest .. ..	May 23	4409	Sutherland, James .. ..	"	4507
Johnston, George Dick .. ..	"	4392		1917.	
	1917.		Thompson, Augustus .. ..	Mar. 22	4524
Jowers, George Joseph .. ..	Mar. 22	4527	Thomson, Charles .. ..	"	4533
	1916.			1916.	
Keat, Charles Edward Ivey .. ..	May 23	4390	Tisch, Ernest Augustus .. ..	Nov. 29	4489
Keefe, John Patrick .. ..	"	4420	Todd, Robert Henry .. ..	"	4520
Kennedy, George .. ..	"	4417		1917.	
Kennedy, John .. ..	"	4399	Tynan, Albert Michael .. ..	Mar. 22	4525
Ker, David George .. ..	Aug. 4	4443		1916.	
Lane, Thomas Edward .. ..	Aug. 25	4462	Utteridge, George .. ..	Nov. 29	4505
Lawson, John .. ..	"	4455	Vazey, George John .. ..	Aug. 25	4466
Lobb, John .. ..	May 23	4430	Walker, James .. ..	Aug. 4	4446
Logie, John .. ..	"	4413	Wallace, Malcolm Henry .. ..	Nov. 29	4511
Looney, John Robert .. ..	Nov. 29	4501		1917.	
Lyon, Sidney George McAllaster .. ..	Aug. 25	4477	Wardrop, Robert .. ..	Mar. 22	4534
Manera, Dominick .. ..	Nov. 29	4510		1916.	
Mann, Peter .. ..	Aug. 25	4460	West, Thomas .. ..	May 23	4422
Marshall, George Henry .. ..	"	4463	Westbrook, Joseph .. ..	"	4433
	1917.		Wilson, George .. ..	"	4415
Martin, Albert Edward .. ..	Mar. 22	4532	Wilson, Samuel Maltby .. ..	"	4427
	1916.		Wilson, William, jun. .. ..	"	4428
Maxwell, Herbert .. ..	May 23	4435	Winter, Francis Edward .. ..	"	4438
Meharry, Robert Kennedy .. ..	Nov. 29	4513	Woods, Frederick .. ..	Aug. 4	4444
	1917.		Wyatt, Ernest .. ..	May 23	4419
Metcalfe, Joshua Robert .. ..	Mar. 22	4537	Wylde, Robert James .. ..	Nov. 29	4512
	1916.		Wytkin, Isidore John Stanislaus .. ..	"	4514
Millar, Thomas .. ..	Aug. 25	4482	Yorston, William David Fea .. ..	Aug. 4	4461
Mills, Ernest Victor .. ..	Aug. 4	4453	Young, David Watson .. ..	May 23	4437
	1917.				
Morcom, James .. ..	Mar. 22	4526			

RETURN OF LOCOMOTIVE AND TRACTION ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY  
HAVE BEEN GRANTED FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1916.			1916.	
Adams, Ernest Richard .. ..	Nov. 29	3226	Jensen, Adolphus .. ..	Nov. 29	3210
Bailey, Henry .. ..	"	3207	Keat, Charles Edward Ivey ..	Aug. 25	3187
Barrett, Thomas Joseph .. ..	Aug. 25	3200		1917.	
Barrow, William Henry .. ..	"	3179	Keefe, William .. ..	Mar. 22	3242
Bateman, Albert Victor .. ..	Nov. 29	3224	Kelly, Norman John .. ..	"	3243
Bennett, James .. ..	May 23	3164		1916.	
	1917.		Kerr, William John .. ..	Nov. 29	3204
Beswick, Albert .. ..	Mar. 22	3248	Kingsbury, Walter Samuel ..	Aug. 4	3189
Blackmore, John .. ..	"	3245	Lawrence, David Walter ..	Nov. 29	3212
	1916.			1917.	
Blaymires, George William ..	Nov. 29	3214	Lawson, John .. ..	Mar. 22	3239
Borrows, Robert Angus .. ..	May 23	3177		1916.	
Bragg, Henry .. ..	Aug. 4	3181	Leaby, James Kennedy .. ..	May 23	3166
	1917.		Mann, John William .. ..	Aug. 4	3180
Brown, Paul .. ..	Mar. 22	3246	Maw, Beilbie .. ..	Aug. 25	3188
	1916.		Mayos, Frederick George ..	Aug. 4	3179
Buick, George Gibson .. ..	May 23	3174	Mills, Harry .. ..	May 3	3168
	1917.			1917.	
Bullock, Henry Arthur Insel ..	Mar. 22	3244	Milne, Edwin James Robertson	Jan. 30	3234
Burke, Rupert Egerton .. ..	Jan. 30	3232		1916.	
	1916.		Moore, Edward Alexander ..	Aug. 4	3184
Campbell, William .. ..	May 23	3176	Munro, Henry Angus .. ..	May 23	3175
Charles, Edward John .. ..	Aug. 25	3192	McCorkindale, Alexander ..	Nov. 29	3221
Christie, David Paterson .. ..	"	3193	McCutcheon, William John ..	May 23	3162
Clinton, David .. ..	May 23	3173		1917.	
Craig, James Hugh .. ..	Nov. 29	3209	McKenzie, John Henry .. ..	Jan. 30	3231
Delahunty, William John .. ..	"	3205	McLeod, Neil .. ..	"	3233
	1917.			1916.	
Denz, Alfred Charles John ..	Jan. 30	3236	McNeill, Robert Donald Campbell	Aug. 4	3182
	1916.		McSweeney, James. . ..	Nov. 29	3217
Doyle, John Steven .. ..	Aug. 25	3186	McTavish, Albert Edward ..	"	3223
	1917.			1917.	
Drewry, Charles .. ..	Mar. 22	3241	Nixon, Francis John .. ..	Jan. 30	3235
Dundon, Philip .. ..	Jan. 30	3238		1916.	
	1916.		Parli, Ambrose .. ..	Aug. 25	3201
Dunn, Charles .. ..	Aug. 25	3198		1917.	
Edwards, Albert David George ..	Nov. 29	3218	Pearson, Charles Henry .. ..	Mar. 22	3249
Fielding, James Arthur .. ..	May 23	3170		1916.	
Finlay, John McLellan .. ..	Aug. 25	3194	Pepperell, James Evans Gardiner	Nov. 29	3206
Gaze, Desmond Venner .. ..	"	3190		1917.	
	1917.		Petersen, Frederick William..	Mar. 22	3240
Green, Charles Francis .. ..	Jan. 30	3229		1916.	
	1916.		Pope, Horace .. ..	Aug. 4	3185
Griffiths, David .. ..	Nov. 29	3208	Rickard, Henry Starling ..	Aug. 25	3191
	1917.		Robins, Henry Chiplin .. ..	"	3195
Guthrie, George Humphrey ..	Jan. 30	3230	Rosenberg, Frederick William	May 23	3160
	1916.		Salter, Charles Eli James ..	"	3159
Hahn, Leslie Leonard .. ..	Nov. 29	3219	Scanlon, Basil Augustus ..	Nov. 29	3216
	1917.		Sercombe, Eglon .. ..	"	3203
Hannan, James .. ..	Jan. 30	3237	Smith, William George .. ..	May 23	3171
	1916.		Souness, Donald Thomas ..	Aug. 25	3202
Hewson, Henry Paxton .. ..	May 23	3165	Tacon, Denis Buckley .. ..	Nov. 29	3227
Hosie, James .. ..	"	3158	Thomas, Percy Edmund .. ..	"	3225
Hunter, Leslie John .. ..	"	3167	Thompson, Andrew Robert ..	"	3222
Hurring, John .. ..	"	3163	Tinker, Henry .. ..	May 23	3169
	1917.		Tomkies, Athelstane Sydney ..	Aug. 4	3183
Hyland, Charles William .. ..	Mar. 22	3247	Watson, George Henry .. ..	May 23	3161
	1916.		Whiley, Robert .. ..	Aug. 25	3199
Irwin, David .. ..	Nov. 29	3213	Williams, Edward Morgan ..	"	3196
	1917.		Williscroft, Harold .. ..	Nov. 29	3211
Jackson, Robert Arthur .. ..	Jan. 30	3228	Winter, Francis Edward .. ..	May 23	3178
			Wymer, Enoch .. ..	"	3172



RETURN OF ELECTRIC-TRAM DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED  
FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1916.			1916.	
A'Court, Stanley .. ..	Aug. 25	533	Langford, Sidney George .. ..	Aug. 25	537
Adnitt, John Edward .. ..	"	551	Laurenson, Frederick Leslie .. ..	Nov. 29	572
Aldersley, Frederick Alpheus .. ..	May 10	511		1917.	
Allport, Harry Lemon .. ..	Aug. 25	552	Lawrence, James Thomas .. ..	Mar. 26	619
Armon, Thomas John .. ..	Nov. 29	588		1916.	
Atkinson, Lionel Albert .. ..	Aug. 25	522	Lennox, James Hamilton .. ..	Aug. 25	548
Ball, John William Goss .. ..	"	542		1917.	
Black, James Wheatley .. ..	"	525	Lewis, William .. ..	Jan. 30	593
	1917.			1916.	
Blank, Charles Frederick William .. ..	Jan. 30	603	Longhurst, Basil George William Douglas	Nov. 29	577
	1916.		Lynn, John Arnot .. ..	Aug. 25	563
Blick, Frederick Thomas .. ..	Aug. 25	550	Mascall, Robert .. ..	Nov. 29	576
Blight, Alexander George .. ..	May 10	513	Modder, Charles Lacy .. ..	May 10	510
Blockley, William Henry .. ..	Aug. 25	553		1917.	
Branch, Arthur Mason .. ..	Nov. 29	566	Minto, James .. ..	Mar. 26	607
Brooks, Ernest Noble .. ..	May 10	514		1916.	
	1917.		Monro, John .. ..	Aug. 25	544
Burnside, Frank .. ..	Jan. 30	594	Moody, William Giles Barker .. ..	"	532
Carr, Peter .. ..	"	599	McCrc, Stanley George .. ..	Nov. 29	578
Catlin, Charles George .. ..	"	604		1917.	
	1916.		Morris, Charles George .. ..	Jan. 30	602
Chirnside, James .. ..	Aug. 25	534		1916.	
Cook, Donald .. ..	Nov. 29	568	Morris, Edward .. ..	Nov. 29	573
Cosgrove, John .. ..	May 10	507	McClew, John .. ..	Aug. 25	539
	1917.		McCluskey, George Francis .. ..	"	549
Cox, Leslie Francis .. ..	Jan. 30	606	McDonald, Hugh .. ..	Nov. 29	589
	1916.		Macgregor, Stewart .. ..	May 10	509
Cox, Lewis .. ..	Nov. 29	585	McKinley, John .. ..	Nov. 29	574
Cresswell, Charles Herbert .. ..	"	583	McNabb, William Percy .. ..	"	584
	1917.			1917.	
Day, Albert Charles Henry .. ..	Mar. 26	608	Newberry, William .. ..	Jan. 30	601
	1916.			1916.	
Denton, Albert .. ..	Aug. 25	554	Northover, Harry .. ..	Aug. 25	564
Dickin, Joseph Thomas .. ..	"	560	O'Gorman, Patrick Joseph .. ..	"	538
Dixon, Robert William .. ..	"	562	Peacock, Frank .. ..	"	545
Donaldson, Frederick William .. ..	Nov. 29	569		1917.	
	1917.		Podlar, Reuben .. ..	Mar. 26	612
Dunkin, William John .. ..	Jan. 30	600	Potts, John .. ..	"	621
	1916.		Price, Charles Henry .. ..	"	609
Edwards, John Benjamin .. ..	Aug. 25	527		1916.	
Eteveneaux, Charles Francis .. ..	May 10	515	Prince, Henry Clarence .. ..	Aug. 25	556
Everingham, Oscar Aubrey .. ..	Aug. 25	535	Redit, John William .. ..	May 10	521
Ferguson, Robert .. ..	May 10	519	Robinson, John Joseph .. ..	Aug. 25	546
Fisher, Herbert Warwick .. ..	Aug. 25	555	Ryan, Henry .. ..	Nov. 29	575
	1917.		Sharley, Meynell .. ..	Aug. 25	557
Fox, Benjamin Leverick .. ..	Jan. 30	595		1917.	
	1916.		Shepherd, John .. ..	Jan. 30	596
French, Richard James .. ..	Nov. 29	587		1916.	
Gamble, Albert .. ..	May 10	516	Slade, Herbert Edgar .. ..	Aug. 25	531
Geeson, Moses Henry .. ..	Nov. 29	570	Smalley, Thomas William .. ..	"	541
	1917.		Stewart, James Buchanan .. ..	Nov. 29	579
Gemmell, Robert .. ..	Jan. 30	605	Stone, John William .. ..	Aug. 25	558
	1916.		Strange, Alfred Norman .. ..	"	559
Glensor, Percy Clifford .. ..	Aug. 25	536	Swan, James .. ..	"	524
Good, Alfred Henry .. ..	Nov. 29	591		1917.	
	1917.		Swain, George .. ..	Mar. 26	622
Graham, George .. ..	Mar. 26	617		1916.	
	1916.		Tanner, Herbert .. ..	Aug. 25	540
Graham, Robert Thomas .. ..	May 10	517		1917.	
Griffiths, Edward Albert .. ..	"	512	Taylor, Augustus Vincent .. ..	Jan. 30	597
	1917.		Teskey, William Henry .. ..	Mar. 26	614
Hall, James Harold Dewsbury .. ..	Mar. 26	616		1916.	
	1916.		Tily, James Outram .. ..	Aug. 25	526
Hallam, Leslie Foster .. ..	Nov. 29	571	Townsend, Sydney George .. ..	"	547
	1917.			1917.	
Hamblin, Ernest James .. ..	Jan. 30	598	Tozer, Frederick Richard .. ..	Mar. 26	613
	1916.		Underwood, Sydney George .. ..	"	620
Hands, Harry .. ..	May 10	518		1916.	
Harbidge, George Grosvenor .. ..	Nov. 29	590	Upton, Edwin .. ..	Nov. 29	580
	1917.		Walker, Cyril Charles .. ..	Aug. 25	528
Hellberg, Herman .. ..	Mar. 26	610	Wicks, Hubert .. ..	"	530
Hughes, Matthew .. ..	"	615	Williams, George .. ..	May 10	508
	1916.		Wilson, William George .. ..	Aug. 25	561
Hurne, Arthur .. ..	Aug. 25	543		1917.	
Jack, Lindsay .. ..	Nov. 29	582	Wilton, Henry Joseph .. ..	Mar. 26	618
Jerome, William Robert .. ..	"	586		1916.	
Kershaw, William Thomas .. ..	Aug. 25	529	Winton, David Ferguson .. ..	Aug. 25	523
Kidd, James Mollison .. ..	May 10	520	Woodham, Arthur James .. ..	Nov. 29	592
	1917.		Wright, Augustine .. ..	"	581
Laffin, Joseph .. ..	Mar. 26	611	Wright, Walter John .. ..	"	567

RETURN OF LOCOMOTIVE ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN  
GRANTED FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Gill, Robert .. .. .	1917. Jan. 30	2	Kirby, Joseph .. .. .	1916. Nov. 29	1

RETURN OF TRACTION-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN  
GRANTED FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Aitken, William .. .. .	1916. Nov. 29	86	Hannen, Robert .. .. .	1916. May 23	66
Allen, Cyril Joseph .. .. .	May 23	54	Hayes, William .. .. .	Aug. 25	74
Anderson, Francis Arthur .. .. .	1917. Mar. 22	102	Hewetson, John Othen .. .. .	1917. Mar. 22	96
Arthur, Alfred Vincent .. .. .	1916. Nov. 29	88	Kidd, Sydney James .. .. .	1916. Aug. 4	72
Babidge, Robert Henry .. .. .	May 23	55	Legge, Alexander Thomas .. .. .	May 23	63
Bishell, Cecil Edward .. .. .	Aug. 4	71	Lemon, Leonard Carnac .. .. .	Aug. 25	75
Bishop, James .. .. .	May 23	64	Macartney, Richard .. .. .	1917. Mar. 22	97
Bowman, James Andrew .. .. .	Nov. 29	89	Milne, Peter Donald Yule .. .. .	1916. Aug. 4	100
Boyce, John Ellis .. .. .	May 23	61	Monson, John Noble .. .. .	Nov. 29	70
Boyle, Edward Henry .. .. .	Nov. 29	91	McKenna, Jeremiah .. .. .	Nov. 29	87
Brown, William Lawson .. .. .	1917. Mar. 22	99	McLachlan, Clement Rothery .. .. .	May 23	60
Burnett, Clement Martin .. .. .	1916. Nov. 29	85	McLennan, Rupert Joseph .. .. .	Nov. 29	81
Cain, Allan .. .. .	1917. Jan. 30	95	Price, Charles Frederick .. .. .	1917. Jan. 30	93
Carran, William James .. .. .	1916. Nov. 29	92	Read, Arthur Huia .. .. .	1916. Aug. 25	76
Clunie, Eustace Welch .. .. .	May 23	57	Reddecliffe, William George .. .. .	Nov. 29	83
Crump, David .. .. .	May 23	57	Rudduck, William .. .. .	Aug. 25	77
Cullimore, Frederick Robert Randall, jun. .. .. .	1917. Mar. 22	98	Ryder, Robert Ewing .. .. .	May 23	62
Dewar, John Earson .. .. .	1916. Aug. 4	69	Stevenson, Rupert Joseph .. .. .	Nov. 29	80
Drummond, Sutherland .. .. .	1917. Mar. 22	101	Sutton, Francis Leslie .. .. .	May 23	65
Egerton, William Arthur .. .. .	Jan. 30	94	Tacon, John .. .. .	Aug. 25	78
Fox, Alexander .. .. .	1916. Nov. 29	82	Tiffen, William Arthur Ernest .. .. .	May 23	67
Gaisford, Edward Claud .. .. .	Aug. 25	73	Traill, Thomas John .. .. .	May 23	56
Hanford, William Sessions .. .. .			Watson, Arthur .. .. .	May 23	58
			Westaway, David .. .. .	May 23	59
			Williams, Alfred .. .. .	Nov. 29	84
			Wroth, Charles Edward .. .. .		

RETURN OF ELECTRIC-WINDING-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE  
BEEN GRANTED FROM THE 1ST APRIL, 1916, TO THE 31ST MARCH, 1917.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Hill, William Victor .. .. .	1916. May 23	62	Hipkins, Sidney Hampton .. .. .	1916. May 23	64

RETURN SHOWING THE NAMES OF OWNERS OF ADDITIONAL BOILERS AND TRANSFERS WHICH REQUIRE TO BE IN CHARGE OF CERTIFICATED ENGINE-DRIVERS.

Name of Owner.	Where Boiler used.	Purposes for which used.	Horse-power of Boiler.	Diameter of Cylinders of Engine in Inches.	Class of Driver required.	Additional Boilers; Names of late Owners of Transferred Boilers; and also showing where Size of Cylinders are now amended.
AUCKLAND DISTRICT.						
Auckland Milk Company ..	Newmarket ..	Dairy factory ..	30	10	Second class ..	Late Auckland Farmers' Co-operative Milk-supply Company.
Blackball Coal Company (Limited) ..	Hulk "Elinor Ver-non" ..	Hoisting ..	22	Two 6, two 7	..	Requirements of Act.
Bond, H. ..	Devonport ..	Sawmill ..	23	12	..	Late Bond Bros.
Dominion Portland Cement Company (Limited) ..	Portland ..	Hauling ..	23	Two 9½ ..	..	Late New Zealand Government Railways.
George Fraser and Sons ..	" ..	" ..	9	Two 6½ ..	..	Late R. S. Lamb and Co.
Hallet, F. ..	Auckland ..	Ironworks ..	25	10	..	Size of cylinder amended.
Hellaby, R. and W. (Limited) ..	Te Teko ..	Flax-mill ..	12	Two 8½ ..	Second-class stationary ..	Late Tanner and Cameron.
Hikurangi Coal Company ..	Westfield ..	Abattoirs ..	62	One 13½, one 10	Second class ..	Size of cylinders amended.
King Bros. ..	Hikurangi ..	Mining, &c. ..	50	Two 10, one 5	..	Additional.
" ..	Waotu ..	Hauling ..	10	Two 7 ..	..	Late Kauri Timber Company.
Langlands and Co. (Limited) ..	" ..	Log-hauler ..	21	Two 8½ ..	..	Late Nesbitt and Young.
Leyland-O'Brien Timber Company ..	Nihotapu Dam ..	Steaming ..	16	Two 8½ ..	..	Size of cylinders amended.
Le Manquais, Lamb, and Co. ..	Tirohanga district ..	General ..	13½	8½	..	Additional.
New Zealand Government Public Works Department ..	Awanui ..	Sawmill ..	53	16½	..	" T. Thomas
O'Brien, W. A. ..	Paeroa ..	" ..	8	One 16½, one 10	..	Late James McAndrew and Co.
New Zealand Portland Cement Company ..	" ..	Dredging ..	39	One 8½, one 16	..	Size of cylinders amended.
" ..	Tautoro ..	Sawmill ..	26	10	..	Late Easson Timber Company.
Ohinemuri County Council ..	Limestone Island ..	Cement-works ..	52	16 and 24	..	Late Waihi Gold-mining Company.
Pukemiro Collieries (Limited) ..	Mannui ..	" ..	16	Two 8½ ..	..	Late F. T. Moore.
Radshaw Bros. ..	Paeroa ..	Pumice-works ..	4	4 and 6½ ..	..	Additional.
B. A. Scanlen ..	Pukemiro ..	Road-roller ..	74	One 12, one 17	..	Size of cylinders amended.
Sutherland, E. C. ..	Richmond ..	Coal-mining ..	18	8	..	Late J. Redshaw.
Taupo Totara Timber Company ..	Tuakau ..	Steaming ..	5	7½	..	Late Thomas and Scanlen.
Te Awamutu Borough Council ..	Te Teko ..	General ..	4	4½ and 6½	..	Late A. Hine.
Tauranga Rimu Company ..	Newmarket ..	Chaffing ..	34	Two 12½ ..	..	Late Auckland Rimu Timber Company.
" ..	Te Awamutu ..	Sawmill ..	4	4½ and 6½	..	Additional.
Union Oil, Soap, and Candle Company ..	Tauranga ..	Hauling ..	12	Two 8 ..	..	Late Brownlee and Co.
Wilson and Canham ..	" ..	Sawmill ..	44	16½	..	Additional.
" ..	Westfield ..	" ..	40	10	..	Size of cylinders amended.
" ..	Panmure ..	Soap-factory ..	20	12½	..	" ..
" ..	" ..	Fellmongery ..	20	12½	..	" ..
AUCKLAND SOUTH DISTRICT.						
Adsett and Manning ..	Owhango ..	Sawmill ..	12	12	..	Requirements of Act.
Cambridge Co-operative Dairy Company ..	Cambridge ..	Cheese-factory ..	26-6	7	..	Size of cylinders amended.
Dillon, J., and Co., (Limited) ..	Okahukura ..	Driving compressor ..	17	Two 9½ ..	..	Late Kohatu Quarry Company.
Hendry, P. ..	Ohineawai ..	Air-compressor ..	14	Two 9½ ..	..	Late R. Hunter.
Hedley, I. W. ..	Tahuna ..	Flax-mill ..	25	12½	..	Late Otway Bros.

## RETURN SHOWING THE NAMES OF OWNERS OF ADDITIONAL BOILERS AND TRANSFERS WHICH REQUIRE TO BE IN CHARGE OF CERTIFICATED ENGINE-DRIVERS—continued.

Name of Owner.	Where Boiler used.	Purposes for which used.	Horse-power of Boiler.	Diameter of Cylinders of Engine in inches.	Class of Driver required.	Additional Boilers; Names of late Owners of Transferred Boilers; and also showing where Size of Cylinders are now amended.
AUCKLAND SOUTH DISTRICT—continued.						
Huntly Town Board	Huntly ..	Generating electricity	107·4	13 and 21	First class	Additional.
Kelly, J. P.	Otoroa ..	Sawmill ..	12	7 and 11 ..	"	Late Otoroa Timber Company.
"	"	"	12	11	"	Late V. G. Smith.
McLeod and Gardiner	Oio ..	"	37	13½	Second class	Late New Zealand Powell Wood Company.
New Zealand Dairy Association (Limited)	Matamata ..	Dairy-milk factory	40	13	"	Late Waihi Gold-mining Company.
"	"	"	84	13	"	Late Bagnall Bros. and Co. (Limited).
"	"	"	50	15 and 21	First class	"
New Zealand Farmers' Co-operative Bacon and Meat-packing Company (Limited)	Frankton Junction	Bacon-factory	80	Unknown	Second class	Late Kaupokonui Dairy Company.
Ditto	"	Freezing ..	53	9, 7, 14½ ..	First class	Late Wilson and Horton.
New Zealand Pumice Company (Limited)	Manunui ..	Pumice-factory	16	Two 8½ ..	Second class	Late F. T. Moore.
"	"	Pumice-work	16	"	"	"
Steel, W.	Manakau ..	Log-hauling	19	Two 7½ ..	"	Size of cylinders amended.
Stevens and Henderson	Manunui ..	Sawmill ..	12½	Two 8, one 11	First class	Late Goodall and Seagar.
Taringamutu Sawmilling Company	Taringamutu	Hauling ..	15	Two 11 ..	Locomotive	Size of cylinders amended.
Thames Valley Co-operative Dairy Company	Waitoa ..	Cheese-factory	20	6½	Second class	Additional.
Te Awamutu Borough Council	Te Awamutu	Road-roller	4	4½ and 6½	Traction	"
Te Kuiti Co-operative Dairy Company	Te Kuiti ..	Butter-factory	27·9	12	Second class	Requirements of Act.
Wackrow and Bartholomew	Taumarunui	Sawmill ..	15	Two 8½ ..	"	Late O'Connor and Bullion.
Waihoun Valley Dairy Company	Te Aroha West	Dried-milk factory	57	Nil	"	Late Waihi Gold-mining Company.
"	"	"	45	"	"	"
"	"	Dairy factory	45	"	"	"
Wilson, J. J.	Waitomo Road	Sawmill ..	68	13	"	Size of cylinder amended.
CANTERBURY DISTRICT.						
Bitmead, Charles ..	Christchurch	General ..	8	9	Traction	Late Schumacher.
Borthwick and Sons	Belfast ..	Hauling ..	23	9½	Locomotive	Additional.
"	"	Meat-works	95	Two 6	First class	"
"	"	"	95	One 12	"	"
Claridge and Smith	Christchurch	General ..	8	9½	Traction	Late H. Palmer.
Coe, L. B.	Dunsandel	"	8	9	"	Late A. Cridge.
Curragh, R.	Templeton	"	8	6½ and 10	"	Late Curragh Bros.
Hewson Bros.	Springston	"	8	6½ and 10½	"	Late A. R. Kimber.
"	"	"	30	10½	"	"
Lane, Walker, and Rudkin	Christchurch	Hosiery ..	8	9	Second class	Late Christchurch Brick Company.
Madden and Gordon	Lincoln ..	General ..	8	6 and 10½	Traction	Late Terry Bros.
"	"	"	6	9	"	"
Mann Bros.	Russell's Flat	"	64·6	7, 8, 4 ..	"	Late Andrews and Beaven.
North Canterbury Farmers' Co-operative Freezing Company	Kaipoi ..	Freezing ..	40	"	Second class	Additional.
Ditto	"	"	64·6	"	"	"
New Zealand Refrigerating Company (Limited)	Islington ..	"	40	15 and 27	First class	Late Christchurch Meat Company.



## RETURN SHOWING THE NAMES OF OWNERS OF ADDITIONAL BOILERS AND TRANSFERS WHICH REQUIRE TO BE IN CHARGE OF CERTIFICATED ENGINE-DRIVERS—continued.

Name of Owner.	Where Boiler used.	Purposes for which used.	Horse-power of Boiler.	Diameter of Cylinders of Engine in Inches.	Class of Driver required.	Additional Boilers: Names of late Owners of Transferred Boilers; and also showing where Size of Cylinders are now amended.
OTAGO DISTRICT.						
Anderson Bros. . . . .	Ashley Downs . . . . .	Threshing and chaffing . . . . .	9	9	Traction . . . . .	Late Anderson and Montgomerie.
Brown, W. J. . . . .	Puerua . . . . .	Flax-mill . . . . .	12	7½ and 11½	Second class . . . . .	Requirements of Act.
Central Otago Preserves (Limited) . . . . .	Alexandra . . . . .	Canning-factory . . . . .	22	6	" . . . . .	Late S. S. Spain.
Clutha Timber and Hardware Company . . . . .	Kahuika . . . . .	Sawmill . . . . .	14	Two 8½	" . . . . .	Late McCullough and Son.
Dunedin City Corporation . . . . .	Mornington . . . . .	Hauling . . . . .	16	Two 13, one 15½	First class . . . . .	Late Mornington Borough Council.
" . . . . .	" . . . . .	" . . . . .	50	"	" . . . . .	"
" . . . . .	" . . . . .	" . . . . .	16	"	" . . . . .	"
Govan, Thomas . . . . .	Galloway Flat . . . . .	Crushing and boiling-down . . . . .	14	7 and 11	Second class . . . . .	Late Old Man Gold-dredging Company.
Gwyn, William (Limited) . . . . .	Tautuku . . . . .	Hauling . . . . .	10½	Two 6½	Locomotive . . . . .	Requirements of Act.
Hayes and Co. . . . .	Tawanui . . . . .	Sawmill . . . . .	16	Two 10	Second class . . . . .	Late John Sharpe.
Hassett, Mrs. Mary . . . . .	Milton . . . . .	Threshing . . . . .	8	9	Traction . . . . .	Late Allison and Hassett.
Ireland and Co. . . . .	Oamaru . . . . .	Steam wagon . . . . .	5	Two 4½	" . . . . .	Late Charles Stevenson.
Lawriston Timber Company . . . . .	Tahakopa . . . . .	Log-hauling . . . . .	27	Two 8	Second class . . . . .	Late Dr. King.
" . . . . .	" . . . . .	Sawmill . . . . .	30	9 and 14	First class . . . . .	Late Oamaru Harbour Board.
" . . . . .	" . . . . .	Chaffing . . . . .	8	8½	Traction . . . . .	Size of cylinder amended.
McCallum and Co. . . . .	Dunedin . . . . .	Sawmill . . . . .	25	12½	Second class . . . . .	Late J. Sparrow and Son.
New Zealand Coal and Oil Company . . . . .	Kaitangata . . . . .	Hauling . . . . .	40	Two 26½	First class . . . . .	Requirements of Act.
New Zealand Refrigerating Company . . . . .	Burnside . . . . .	Freezing . . . . .	80	12 and 22	" . . . . .	Late Christchurch Meat Company (Limited).
" . . . . .	" . . . . .	" . . . . .	95	"	" . . . . .	"
New Zealand Gold and Scheelite Company . . . . .	Mount Highlay . . . . .	Quartz-crushing . . . . .	16	7 and 11½	Second class . . . . .	Late Gold and Scheelite Proprietary Company.
Otago Preserving Company . . . . .	Burnside . . . . .	Cooking and heating . . . . .	36	Nil	" . . . . .	Late White and Co.
Russell, Hugh . . . . .	Milton . . . . .	Hauling . . . . .	8	9½	Traction . . . . .	Late Leonard Bros.
Strachan, W., and Co. . . . .	Dunedin . . . . .	Brewery . . . . .	56	8	Second class . . . . .	Late Limestone Brick Company.
Sutherland, Alexander . . . . .	Balclutha . . . . .	Chaffing . . . . .	5	6	Traction . . . . .	Late Sutherland Bros.
Winsley, H., and Son . . . . .	Waareka Junction . . . . .	Hauling . . . . .	8	9½	" . . . . .	Late R. Chalmers.
Watson, J. E., and Co. . . . .	Hilderthorpe . . . . .	Threshing . . . . .	9	9	" . . . . .	Late James Graham.
Wilson Bros. . . . .	Balclutha . . . . .	" . . . . .	7	9½ and 5½	" . . . . .	Late J. and J. Wilson.
Watson, John, and Co. . . . .	Port Chalmers . . . . .	Freezing . . . . .	30	11½ and 16	First class . . . . .	Late Otago Harbour Board.
SOUTHLAND DISTRICT.						
Bates and Arnold, jun. . . . .	Slope Point . . . . .	Flax-mill . . . . .	12	Two 8½	Second class . . . . .	Late I. W. Raymond.
Blair, W. . . . .	Tokonui . . . . .	Chaffcutting . . . . .	4½	6½	Traction . . . . .	Late McIntosh and Blair.
Byrnes and Johnston . . . . .	Kawarau Gorge . . . . .	Hauling . . . . .	20	Two 6	Second class . . . . .	Late Confidence Gold-dredging Company.
Caird, James . . . . .	Hokonui . . . . .	Flax-mill . . . . .	14	7 and 11	" . . . . .	Late J. Caird and Sons.
Cameron, John . . . . .	Lochiel . . . . .	Sawmill . . . . .	20	8 and 13	First class . . . . .	Late Royal Venture Gold-dredging Company.
Curran and McKay . . . . .	Mossburn . . . . .	General . . . . .	9½	9	Traction . . . . .	Late W. J. Paterson.
Evans, G. . . . .	District . . . . .	" . . . . .	8	9	" . . . . .	Late J. E. Watson and Co. (Limited).
Fletcher, Neil . . . . .	Waikaka Valley . . . . .	Hauling . . . . .	20	One 6, two 4½	Second class . . . . .	Late James Travis.
Holland, James . . . . .	Gore . . . . .	General . . . . .	8	6½ and 10	Traction . . . . .	Late Kinross and Gillespie.
Holmes, H., and Son (Limited) . . . . .	Rosedale . . . . .	Woollen-mills . . . . .	14	7 and 11	Second class . . . . .	Late Southland Woollen Mills.

Johnston, James ..	..	Oware ..	Flax-mill ..	12	7 and 11½	..	..	Late Neil McEwan.
Kingsland and Anderson ..	..	Invercargill ..	Cooking ..	68	7½ and 11½	..	..	Additional.
King and Nichol ..	..	Tokanni ..	Flax-mill ..	14	Two 8½	..	..	Late Waikawa Sawmilling Company.
Luscombe, P. S. ..	..	Brown's ..	Chaffcutting ..	4½	6½	..	Traction	Late C. J. Butler.
Milne and Capon ..	..	Woodlands ..	" ..	6	7½	..	"	Late Crane and Palmer.
More and Sons ..	..	Longwood ..	Sawmill ..	16	Two 12½	..	First class	Size of cylinders amended.
Marshall, Robert ..	..	Edendale ..	Chaffcutting ..	6	7	..	Traction	Late William Mortimer.
Moore, A. E. ..	..	West Plains ..	Sawmill ..	8	6½ and 10½	..	Second class	Late C. Collett.
McRobie Bros. ..	..	Mataura ..	Chaffcutting ..	6	10	..	Traction	Late McRobie and Tresidder.
McCallum and Co. ..	..	Fairfax ..	Sawmill ..	16	7	..	Traction	Late Todd and Wilson.
McIntosh, M. ..	..	Waimahaka ..	General ..	9	9	..	Second class	Late McIntosh and Blair.
McKenzie, D. and A. ..	..	South Hillend ..	Flax-mill ..	14	Two 8½	..	Second class	Late McKenzie Bros.
Nelson, Hugh ..	..	Freshford ..	Gold-dredge ..	20	7 and 11	..	"	Late Hamer and Potting.
Nightcaps Coal Company ..	..	Nightcaps ..	Hauling ..	7	Two 6	..	Locomotive	Late Homebush Potting Company.
New Zealand Sugar-of-Milk and Casein Company ..	..	Edendale ..	" ..	8	8½	..	Traction	Late G. D. Jenkins.
" ..	..	Wyndham ..	Steaming ..	40	One 10, three 4½	..	Second class	Additional.
" ..	..	Edendale ..	Evaporating-vats ..	20	Nil	..	"	Requirements of Act.
Rosedale Gold-dredging Syndicate ..	..	Waikaka Valley ..	Gold-dredge ..	20	7½ and 11½	..	Three second class	Late Willowbank Gold-dredging Company.
Smith, William, and Co. (Limited) ..	..	Round Hill ..	Sawmill ..	14	14	..	Second class	Late Perry, Smith, and Co.
Southland County Council ..	..	Southland ..	General ..	8	8½	..	Traction	Additional.
Sutherland, James ..	..	Longbush ..	Flax-mill ..	12	7½ and 11½	..	Second class	Late W. P. Shorn.
Templeton, Charles ..	..	Fortification ..	" ..	14	Two 8½	..	"	Late Campbell Bros.
Tinker Bros. ..	..	Nightcaps ..	General ..	4½	6½	..	Traction	Late Dickson and Laidlaw.
" ..	..	" ..	Hauling ..	16	7 and 11½	..	Second class	Late Excell and Cook.
Wright, Stevenson, and Co. (Limited) ..	..	Brown's ..	Lime-works ..	82	Two 15	..	First class	Additional.
Whitaker and Piercy ..	..	Tokanni ..	Sawmill ..	14	Two 8½	..	Second class	Late Field and Thomson.
Whitrig Co-operative Dairy Factory Company (Limited) ..	..	Whitrig ..	Dairy factory ..	16	8	..	"	Size of cylinders amended.
Waikaka Forks Gold-dredging Company ..	..	Little Waikaka ..	Gold-dredge ..	20	8 and 11½	..	One first class, two second class	"
Waikaka Dredging Syndicate ..	..	Waikaka Valley ..	" ..	16	7 and 11½	..	Second class	Late Paterson's Freehold Gold-dredging Syndicate.

## TARANAKI DISTRICT.

Awatuna Co-operative Dairy Factory (Limited) ..	..	Taungatara ..	Dairy factory ..	38	Nil	..	..	Additional.
Cape Egmont Co-operative Dairy Company ..	..	Pungarehu ..	Cheese-factory ..	27-9	6½	..	..	"
Eltham Co-operative Dairy Company (Limited) ..	..	Eltham ..	" ..	26	7½	..	..	Requirements of Act.
Kaupokonui Co-operative Dairy Company (Limited) ..	..	Kaupokonui ..	" ..	34-3	6½	..	..	"
Miller Bros. ..	..	Waverley ..	Chaffcutting ..	6	7½	..	Traction	Late Charters.
Maoriland Dairy Company ..	..	Wanganui ..	Dairy factory ..	17	8½	..	Second class	Late Okihu Dairy Company.
North Taranaki Dairy Company ..	..	Waitara ..	Dairy ..	25	9	..	"	Requirements of Act.
New Zealand Iron Ore and Smelting Company (Limited) ..	..	New Plymouth ..	Steaming ..	68	15	..	First class	Late Nelson Cement Company.
Ditto ..	..	Moturoa ..	Ironsand-works ..	68	15	..	Second class	Late Wilson Cement Company.
New Zealand Refrigerating Company (Limited) ..	..	Wanganui ..	Freezing ..	143	Two 19, two 35, two 13, two 10	..	First class	Late Christchurch Meat Company.
" ..	..	" ..	" ..	143	Ditto	..	"	"
" ..	..	" ..	" ..	143	"	..	"	"
" ..	..	Inlay ..	Locomotive ..	13-5	Two 8	..	Locomotive	Additional.

## RETURN SHOWING THE NAMES OF OWNERS OF ADDITIONAL BOILERS AND TRANSFERS WHICH REQUIRE TO BE IN CHARGE OF CERTIFICATED ENGINE-DRIVERS—continued.

Name of Owner.	Where boiler used.	Purposes for which used.	Horse-power of boiler.	Diameter of Cylinders of Engine in Inches.	Class of Driver required.	Additional Boilers: Names of late Owners of Transferred Boilers; and also showing where Size of Cylinders are now amended.
TARANAKI DISTRICT—continued.						
Opunake Sawmill Company	Te Kiri ..	Sawmill ..	28	13	..	Size of cylinder amended.
Okato and Puniho Co-operative Dairy Company	Puniho ..	Cheese-factory	17	4½	..	Late Rahotu Dairy Company.
Oaonui Co-operative Dairy Company	Oaonui ..	"	31½	9	"	Requirements of Act.
Stratford Co-operative Dairy Company	Stratford ..	Butter-factory	37	10	"	"
Taranaki Farmers' Meat Company	New Plymouth	Steaming..	28	Two 8, one 7	"	"
"	"	Freezing ..	28	"	"	"
"	"	Steaming..	48	"	"	"
Tikorangi Dairy Company ..	Waitara ..	Dairy ..	25	10	"	"
Warea Co-operative Dairy Company	Newall Road	Cheese-factory	20	6½	"	Late Black.

## TIMARU DISTRICT.

Bennison, R.	Tinwald ..	General ..	8	7 and 11½	..	Late Bennison Bros.
Bennison, A. W.	"	"	8	6½ and 11	..	"
Bishop, James	Wheatstone	"	6	5½ and 8½	..	Requirements of Act.
Blackburne, Smith, and Co.	Mount Somers	Hauling	10	Two 7½	..	Late Executors of A. C. Peache.
Bennett, J.	Ruapuna..	General ..	9	Two 5½ and 9½	..	Late A. Beattie.
Boyce, J. E.	Doric ..	"	8	9½	..	Late D. Fechney.
Burgess, J.	Mayfield ..	"	9	"	..	Late Philpott and Co.
Christchurch Meat Company (Limited)	Timaru ..	Hauling	23	9½	..	Additional.
Church, A. E.	Methven ..	General ..	10	6½ and 11½	..	Late James Milne.
"	"	"	9	6½ and 11	..	Late E. G. Church.
Conway and Gray	Rakaia ..	"	8	8	..	Late Conway.
Clark, William J.	Timaru ..	"	6	8	..	Late Schumacher.
Conway and Gray	Rakaia ..	"	8	6½ and 11	..	Late Conway.
Dick and Allan	Fairlie ..	"	6	8	..	Late G. E. Bray.
Dunstan, W.	Chertsey ..	"	8	8½	..	Late J. Stewart.
Geddis, R.	Waihao Downs	"	8	9½	..	Late Ross and McClintock.
Gudsell, Alexander	Winchester	"	8	6½ and 11½	..	Late T. Hawkins and Son.
Hamlyn, J.	Timaru ..	"	7	8½ and 10½	..	Late W. Harkness.
Hampton, J.	Hinds ..	"	4	6	..	Late W. Stables.
Holland, R. W.	Ruapuna..	"	8	9	..	Late A. Eden.
Johnson, A.	Fairview ..	"	8	9	..	Late Ashton Bros.
Lock, W. T.	Methven ..	"	8	6½ and 10	..	Late F. Tozer.
Morrison and Malthus	Waimate..	"	8	9	..	Late E. Grigg.
Meredith, G., and Co.	"	"	8	9	..	Late J. Gillon.
Meyers, J.	Studholme	"	8	9	..	Late J. Manchester.
Milsom, Lee	Cricklewood	"	8	9½	..	Late Meyers Bros.
McCarthy, P.	Rakaia ..	"	6	8	..	Late M. McCormick.
McCrenor, D.	Methven ..	"	8	6½ and 10½	..	Late William Davison.
						Late H. McCrenor.



Nicholls, Son, and Harris ..	Washdyke ..	Wool-scouring ..	20	10	Second class	..	Late W. H. Harris.
New Zealand Refrigerating Company ..	Smithfield ..	Heating ..	40	12 and 22	First class	..	Late Christchurch Meat Company.
Padkin J. ..	" ..	" ..	40	"	"	..	"
Quinn Bros. ..	Hakataramea ..	General ..	8	9	Traction	..	Requirements of Act.
" ..	Makikihi ..	" ..	8	6½ and 11½	"	..	Late William Quinn.
Ross and McClintock ..	" ..	" ..	8	9	"	..	"
Scott, J. ..	Waimate ..	" ..	8	6½ and 10½	"	..	Late Robert Geddis.
Scotston, St. Andrews ..	Geraldine ..	Sawmill ..	8	7½ and 10	"	..	Late A. Fibbes.
Stewart, D. ..	Scotston ..	General ..	4	7½	"	..	Late D. Crump.
Timaru Borough Council ..	Orari ..	" ..	9	9½	"	..	Late W. S. Campbell.
" ..	Timaru ..	Electric light ..	57	14 and 24	First class	..	Late Scott Bros.
" ..	" ..	" ..	57	"	"	..	"
Tozer, F. ..	" ..	" ..	57	"	"	..	"
Tozer, Arthur ..	Levels ..	General ..	9	6½ and 11	Traction	..	Late A. Johnstone.
Walker, C. E. ..	Pleasant Point ..	" ..	8	9	"	..	Late W. J. Tozer.
	Te Moana ..	" ..	8	9	"	..	Late C. Mulvihill.

## WELLINGTON DISTRICT.

Cook and Cook ..	Petone ..	Cooperage ..	33	8½ and 13	First class	..	Late T. Cook.
Dominion Ferolth Company ..	Belmont ..	Steaming ..	16	Nil	Second class	..	Late Ledward.
New Zealand Government Defence Department ..	Trentham ..	" ..	50	"	"	..	Additional.
Opui Fibre Company ..	Shannon ..	Flax-mill ..	56	10, 16, and 26	First class	..	Requirements of Act.
Pahiatua County Council ..	Pahiatua ..	Road-roller ..	4	4 and 6½	Locomotive	..	Additional.
Silverstream Brick and Tile Company ..	Silverstream ..	Brickwork ..	30	13	Second class	..	Requirements of Act.
Union Steamship Company ..	Hulk "Lilla" ..	Hoisting ..	35	Nil	"	..	Additional.
Wellington City Council ..	Wellington ..	Powerhouse ..	364	17, 24½, and 27½	First class	..	"
Wellington Cooperage and Box Company ..	" ..	Sawmill ..	60	Two 12½	"	..	Late Easson Limited.
Makatai Flax-milling Company ..	Makatai ..	Flax-mill ..	32	12 and 20	Second class	..	Late Powell Wood-process Company.
North Island Brewery Company ..	Mangatainoka ..	Brewery ..	21	Two 5	"	..	Late H. B. Dairy Company.
Shannon Co-operative Dairy Company ..	Shannon ..	Dairy factory ..	20	9	"	..	Lata Ararata Dairy Company.
Upton's Laundry ..	Petone ..	Laundry ..	20	7	"	..	Late A. Compton.
Westland Timber Company ..	Lower Hutt ..	Sawmill ..	28	9	"	..	Late Easson Limited.
Wellington Meat Export Company (Limited) ..	Waterloo Quay ..	Freezing ..	118	19 and 28	First class	..	Late Maymorn Estate.
Wellington Gas Company ..	Wellington ..	Road wagon ..	6	4 and 7	Traction	..	Late Scott, Niven, and Co.

## WELLINGTON NORTH DISTRICT.

William Cook and Sons ..	Mataroa ..	Sawmill ..	14	Two 8½	Second class	..	Late George L. S. Dunn.
Foxton Cordage and Flax-milling Company ..	Karanga ..	Flax-mill ..	12	7 and 11	"	..	Late Primus Flax-mill Company.
Gaisford, Edward Claude ..	Bull's ..	General ..	6	5½ and 9	Traction	..	Size of cylinders amended.
Helt, Peter ..	Kopane ..	Sawmill ..	14	Two 8½	Second class	..	Requirements of Act.
Oroua Downs Dairy Company ..	Oroua Downs ..	Dairy factory ..	20	7	"	..	Late Glen Oroua Dairy Company.
Palmerston North Borough Council ..	Awapuni ..	Abattoirs ..	32	9½	"	..	Late Manawatu Meat and Cold Storage Company.
Prouse and Sons ..	Ngawaka ..	Sawmill ..	16	Two 9	"	..	Late Alexander Gorrie.
Saunders, Alfred ..	Marton ..	General ..	7	6½ and 8	Traction	..	Late J. Waring.
Tane Hemp Company ..	Rangitane ..	Flax-mill ..	13	Two 8½	Second class	..	Late L. Seifert.

## RETURN SHOWING THE NAMES OF OWNERS OF ADDITIONAL BOILERS AND TRANSFERS WHICH REQUIRE TO BE IN CHARGE OF CERTIFICATED ENGINE-DRIVERS—continued.

Name of Owner.	Where Boiler used.	Purposes for which used.	Horse-power of Boiler.	Diameter of Cylinders of Engine in inches.	Class of Driver required.	Additional Boilers; Names of late Owners of Transferred Boilers; and also showing where Size of Cylinders are now amended
WESTLAND DISTRICT.						
Blackwater Mines (Limited)	Waita ..	Mining ..	105 ..	Two 20, two 13½, and two 21½	First class ..	Additional.
" " Consolidated Gold-mining Company	" ..	" ..	105 ..	Ditto ..	" ..	"
Chapman Syndicate ..	Capleston ..	" ..	74 ..	Two 10, one 8	" ..	"
Forrest Sawmilling Company ..	Cobden ..	Dredging ..	20 ..	8 and 12½	" ..	Late S. S. Dobson.
Kapatea Creek Gold-dredging Company ..	Nelson Creek ..	Hauling ..	20 ..	Two 8½ ..	Second class	Late Brownlee and Co.
Orwell Creek Sawmilling Company ..	Kapatea ..	Dredging ..	20 ..	8 and 12½	First class	Late Try Again Gold-mining Company.
" " ..	Orwell Creek ..	Sawmill ..	20 ..	Two 10 ..	Second class	Late Erickson.
" " ..	" ..	Hauling ..	27 ..	Two 9 ..	Locomotive	Additional.
Rimu Option Gold-mining Company (Limited)	" ..	" ..	8 ..	6 and 10 ..	Traction	Late Erickson.
Stuart and Chapman ..	Rimu ..	Dredging ..	60 ..	Two 12½ ..	First class	Late Nickonian Battery Company (Limited).
" " ..	Kanieri ..	Hauling ..	26 ..	Two 9½ ..	Second class	Additional.
Waitaha Flax-milling Company ..	" ..	Sawmill ..	12 ..	Two 8½ ..	" ..	Late E. T. Malcock and Co.
Waller and England ..	Waitaha Beach ..	Flax-mill ..	12 ..	Two 8½ ..	" ..	Late Nukonui Flax-milling Company.
	Aritika ..	Log-hauling ..	35 ..	18 ..	" ..	Late New Zealand Government Railways.

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