

1916.
NEW ZEALAND.

MARINE DEPARTMENT.

ANNUAL REPORT FOR 1915-16.

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

MY LORD,—

Marine Department, Wellington, 28th June, 1916.

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.,

ROBERT McNAB.

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

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

SIR,—

Marine Department, Wellington, 18th May, 1916.

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 transfer of the Chief Clerk to the Department of Internal Affairs, and to the second clerk and five clerks volunteering for the front, the other officers have been called upon to perform extra duties, and I am pleased to say that they have willingly worked after office-hours when necessary. Their performance of extra duties and the employment of some temporary clerks have enabled the work to be carried on.

Mercantile Marine Offices.

The Superintendent of Mercantile Marine and their staffs have carried out their duties in a very satisfactory manner. The staff of the Wellington office has been increased by the appointment of two new Surveyors of Ships, whose special duties are to supervise the loading and discharge of ships, especially to see that the gear used is in good order, and that proper lights are used in the holds where cargo is being worked.

A question having arisen as to what constitutes a time agreement between masters and seamen, the matter was submitted to the Crown Law Office for opinion, and the Department was advised that such an agreement is one for a fixed time as distinguished from an agreement for a voyage or trip, and that it includes a running agreement. This interpretation is now being acted upon by the Department. The importance of the matter is in the fact that the law requires that the wages of seamen on time agreement must be paid monthly.

The practice of withholding the certificates of discharge of seamen who have deserted or failed to join their ships has been continued with good effect.

Appended is a return showing the number of seamen engaged and discharged at the various ports in the Dominion, with the fees received for the engagements and discharges. The number engaged was 22,781, and the number discharged 20,783. The fees received amounted to £2,626 19s. During the previous year the engagements were 20,943, and the number discharged 20,458, and the amount of fees £2,712 2s. The transactions at the four principal ports were,—

			Engagements.	Discharges.	Fees.		
					£	s.	d.
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
During the previous year there were,—							
Auckland	...	...	5,655	5,718	765	12	6
Wellington	...	...	7,632	7,235	907	8	0
Lyttelton	...	...	1,896	1,884	281	7	0
Dunedin and Port Chalmers	...	...	3,081	3,136	427	1	6

The falling-off in the amount of fees received for engagements and discharges is attributable to the fact that no fees are charged for the engagement and discharge of seamen on transports and hospital ships.

Proceedings for breaches of the law in regard to seamen were taken by the Department with the following results: The Northern Coal Company, for employing an engineer in the s.s. "Baden Powell" at less than the current rate of wages—a nonsuit was granted; F. W. Tillick, master of s.s. "John," for taking a seamen to sea without placing his name on articles—fined £1 and costs; and H. Berglund, for making a false declaration that he was entitled to ship—fined £5 and costs, or to undergo one month's imprisonment.

Masters, Mates, and Engineers.

The examinations have been satisfactorily carried out. 345 candidates passed and 108 failed. Of those who passed 189 were masters, mates, and engineers of sea-going ships, 35 were masters and engineers of steamships plying in restricted limits, 8 were masters of fishing-boats and of cargo-vessels up to 25 tons register, 25 were engineers of sea-going vessels propelled by mechanical power other than steam, and 88 were engineers of similar vessels plying within those limits.

The only alteration made in the regulations during the year was the abolition of the requirement that candidates should pass the wool test in the sight tests.

Great difficulty has been experienced during the year in getting properly certificated second mates for foreign-going ships, and consequently it has been necessary in some cases to allow experienced men without the required certificates to fill the positions. The fact that a number of certificated men have gone to the front has no doubt conduced to the shortage.

Captain W. Whiteford, of Wellington, has been appointed an Examiner of Masters and Mates, and Captain A. Carson has been appointed Examiner of Masters of River Steamers at Gisborne.

Report by Captain Blackburne, the Principal Examiner, is appended.

Registration of Shipping.

Returns are appended showing the vessels registered in the Dominion on the 31st December last. There were then on the register 196 sailing-vessels, of 21,762 registered tonnage, and 385 steamers, of 71,695 tonnage. The numbers at the end of the previous year were 197 sailing-vessels, of 20,984 registered tonnage, and 384 steamers, of 77,901 registered tonnage. The number of seamen and boys on board was 3,593, as compared with 4,335 at the end of 1914.

Survey of Ships.

Certificates have been issued to 293 steamers, 474 oil-engine vessels, and 83 sailing-vessels, as compared with 294 steamers, 474 oil-engine vessels, and 88 sailing-vessels in the previous year. The certificate of one vessel was cancelled owing to her becoming unseaworthy. Details as to alterations and repairs to vessels surveyed will be found in the report of the Chief Surveyor, which is appended.

Proceedings were taken by the Department for the following breaches of the law in connection with the survey of ships: A. McKenzie, for running a launch without a certificate—fined £2 and costs; S. Clare, for a similar offence—fined £2 and costs; and J. Brown, for a similar offence—fined £5 and costs.

Deceased Seamen's Estates

The estates of twenty seamen have been dealt with. The amount received was £289 1s. 7d., and the amount paid to relatives and other claimants was £260 18s. 6d. Particulars of the estate are given in the appended return. The sum of £99 9s. 7d., which had remained unclaimed for over six years, was paid into the Public Account.

Wrecks and Casualties.

During the year eighty-one inquiries were held, sixty-seven of them being preliminary inquiries and fourteen Magisterial inquiries. Appended returns show the casualties and an analysis thereof. Those on or near the coasts of the Dominion were seventy-two, of 28,055 tons register, as compared with eighty-five, of 39,604 tons, in the previous year. The number of lives lost was one, as compared with twenty-two in the previous year.

The Superintendents of Mercantile Marine at Auckland, Wellington, Lyttelton, and Dunedin have been appointed to be the officers at those ports who are to conduct inquiries into shipping casualties.

Notices to Mariners.

A return of New Zealand Notices to Mariners which have been issued is appended. A large number of notices concerning matters outside the Dominion has been published by the Department, and circulated for the information of shipmasters and others.

Meteorological and Weather Office.

The Rev. Mr. Bates, Director of the Meteorological Office, reports as follows:—

"Daily weather forecasts have been despatched to 208 places, and Whakatane has been added to the list during the year. Evening forecasts are despatched through the Press Association for twenty-one morning papers, and seven of the principal dailies receive full weather reports through the same medium. The Post Office officials have generally rendered every assistance in their power, but complaints occasionally reach the office that the exhibition of the weather telegrams on the notice-boards has not been prompt, particularly in places where the officials are remote and do not feel their responsibility.

"Wireless weather forecasts which were discontinued at the commencement of the war have been resumed during the year, and are sent out through the radio stations at Avaniui, Wellington, and Awarua on the usual reporting nights, and at other times when deemed necessary. A daily wireless weather report was authorized from the Chatham Islands, and commenced on the 8th April, 1915; it has been maintained without a single break. Part of this message is also transmitted by cable to the Commonwealth Weather Bureau for research purposes. Forecasts are also occasionally transmitted to the Chatham Islands, for which a small charge is made by the Post Office, but usually the Wellington forecast suffices. Macquarie Island radio station was closed on the 14th October, 1915. Since it was opened by Sir Douglas Mawson it has done very good work indeed, and is one of the most notable researches in meteorology of the day. Since Sir Douglas Mawson sold the establishment to the Australian Government the New Zealand Government has contributed £500 per annum towards its upkeep, mainly for research into antarctic conditions, and to link up with the Imperial Antarctic Expedition still in the south. It has also proved a valuable aid to forecasting in dealing with westerly storm areas.

"Some valuable records from the island were lost in the s.s. 'Endeavour,' but there is much scope for research work upon the records which remain. The records were not entirely lost, for they had been partly transmitted by wireless before the originals were removed.

"With regard to rainfall stations, there has been a considerable extension during the past year, but, on the other hand, some decline both in the quality and quantity of the records in a certain number of stations. In some cases observers have joined the colours; others, through extra work, have found themselves unable to fulfil the duties; and there has been a general restlessness throughout the country which has militated against the regularity and precision requisite for observing rainfall, temperature, &c. The curtailment of reports in the *Government Gazette* has also been unfortunate, and under the present circumstances little encouragement can be given to observers for carrying on day after day and year after year such disinterested and patriotic labours.

"We hope during the coming year to have an addition to the staff to enable us to enter into closer correspondence, and also bring out more results from our labours in the way of publication.

"Inspection has, I regret to say, been much curtailed during the past year, but is urgently necessary for standardization, correction of errors, and meeting of local needs, besides imparting personal instruction and interest to the observers.

"The price of instruments has risen greatly, but our purchases have been kept down to the minimum. Reprints from the *Government Gazette* containing rainfall reports, &c., are to be furnished to observers at 2s. per annum, and authority has been given to charge for special reports when required by the public."

Government Steamers.

The "Hinemoa" has been employed on her usual work of conveying material, stores, coal, provisions, and oil to the lighthouses, and in cleaning and painting coast and harbour buoys and beacons. This work has been very satisfactorily carried out. Some engine-room and deck repairs have been executed.

The plans for a new steamer to replace the "Hinemoa," which are being prepared by a naval architect in Great Britain, have not yet come to hand.

The training-ship "Amokura" spent last winter in Wellington Harbour, and during that time the boys attended technical-school classes at the ship's schoolroom on Thorndon Esplanade. The instruction was given by a teacher employed by the Wellington Technical School, this Department paying his salary. The examination which was held at the end of the term gave very satisfactory results.

The vessel has during the year made two trips to the Southern Islands and one trip to the Kermadec Islands to search for castaways, and to inspect the provision depots which are maintained by the Department on those islands. No castaways were found, and the depots had not been interfered with. Besides these trips the vessel has also made coastal trips for the training of the boys. There has been no difficulty in keeping up her complement of sixty boys—in fact, the difficulty is to take all boys who apply for admission. When the boys have completed their training, places are easily found for them on other ships.

The general behaviour of the boys has been good, and there has been an absence of any serious breach of discipline.

Three boys have been placed on board the s.s. "Aparima" to be trained as officers. 101 old boys who received training on the "Amokura" have gone on active service at the front. Of these five have been killed and several wounded. Seaman F. Kivell, who was so favourably reported on by the captain of H.M.S. "Philomel," on service in the Persian Gulf, is an old "Amokura" boy.

Lighthouses.

The automatic lighthouse on Karori Rock, in Cook Strait, was completed, and the light was first exhibited on the 20th October, 1915. An automatic light has been procured for Okuri Point, near the French Pass, and its erection will be commenced during this month. A similar light has also been procured for Flat Rock, in the Hauraki Gulf, but owing to the need for economy on account of the war, the erection of the necessary tower, which will cost about £650, has not been commenced. Automatic lights have been installed in Nelson and Ponui Passage lighthouses, which has enabled a considerable saving to be made, as no keepers are now required. An automatic acetone-acetylene light has been ordered for Jackson's Head to replace the Pintsch-gas light now there.

The Marine Engineer recently examined Dog Island Lighthouse tower, and his examination showed that owing to the mortar coming out of the masonry extensive repairs will shortly be required.

Material for new houses for the keepers at Tiritiri has been procured, and I hope that the Department will be able to proceed with the erection during this year.

During the year I inspected the lighthouses at Castle Point, Portland Island, East Cape, Cuvier Island, Tiritiri, Ponui Passage, Channel Island, Mokohinou, Chickens, and Manukau, but owing to pressure of duties due to several of the staff being away with the Expeditionary Forces I have been unable to visit any others. The stations visited were found to be in good order and well kept. Two keepers have retired on superannuation, thirteen have resigned, and three have joined the Forces for the front. Ten new keepers have been appointed.

Harbours.

The buoys and beacons in the various harbours under the control of the Department have been overhauled and painted by Captain Bollous, of the s.s. "Hinemoa." A beacon for a light at the Narrows in Hokianga Harbour has been erected, and an automatic acetone-acetylene light has been obtained for it. This light will shortly be erected. A new house for the Harbourmaster at this port has been built at Rawene, and the boatman's house has been removed to that place from the Heads. Rawene being central, the Harbourmaster is better able to work the harbour properly from it than from the Heads. Mr. Rowe, signalman, has been retired on superannuation, and Captain Daniel has been appointed to succeed him.

Owing to the difficulty in getting the required material from England in consequence of the war, the contractors for the supply of a buoy to carry a light at Beacon Reach have not yet been able to complete their contract. Arrangements are being made to erect a beacon at Sail Point.

A good deal of gravel and sand continues to be taken from the beaches in the Hauraki Gulf under licenses issued by the Department. Proceedings were taken against persons caught taking the material without licenses to do so, and fines were inflicted in each case.

The sum of £1,227 4s. 1d. was collected for pilotage and port charges in respect of harbours under the control of the Department, as compared with £1,561 16s. 1d. during the previous year. A return of the amounts collected at the various ports, and also the amounts collected at ports under the control of Harbour Boards, is appended.

Fisheries.

The picking and sale of rock-oysters was continued by the Department last season, and owing to improvement in the beds the demand was fully met. The quantity picked and sold was 9,396 sacks, and the amount realized was £6,714 18s. 6d., with a net profit of £1,239 9s. 8d., a portion of which was used to replant depleted areas. Of the quantity mentioned 598 sacks were sold in parcels of about five dozen at 1s., and parcels of about sixteen dozen for 3s. Of the quantity sold, 8,640 sacks were sold in Auckland, 239 at Russell, 54 at Hokianga, 287 at New Plymouth, 252 at Gisborne, 93 at Napier, 24 at Hokitika, 3 at Greymouth, 23 at Westport, 1 at Wanganui, 64 at Wellington, and 9 at Christchurch. The price charged per sack at Auckland is 13s. 6d.

An inspection has been made by Mr. Ayson, Chief Inspector of Fisheries, of the mangrove-oysters in the North of Auckland, which showed that the quantities of these oysters are not nearly so large as was thought.

In addition to replanting depleted areas in the Hauraki Gulf, a commencement has been made to replant in Whangaroa Harbour, where good beds formerly existed.

The oysters taken in Foveaux Strait last season were 32,839 sacks, valued at £16,123, of which 273,000 dozen, valued at £1,958, were exported to Australia.

In May, 1914, it was decided to discontinue the practice of seizing boats used in illegally taking oysters and fish, but it was made known at the same time that if fines imposed for breaches of the law were not a sufficient deterrent the question of reverting to the practice of seizure would be reconsidered. It soon became evident that without seizure of the boats used in poaching the beds would soon become very much depleted, and the former practice had to be reverted to in October, 1915, in the case of boats used in oyster-poaching.

Quinnat-salmon ova was again collected during the year, and hatched out on a tributary of the Hokitika River for the purpose of stocking that river, and Mr. Ayson is now collecting ova for the same purpose. The Department also collected brown-trout ova, and sold them eyed to acclimatization societies at 5s. a thousand.

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

A report received from Mr. G. M. Thomson, Chairman of the Portobello Marine Fish Hatchery Board, is also appended.

The Hon. the Minister of Marine, Wellington.

I have, &c.,

GEORGE ALLPORT, Secretary.

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

SIR,—

Head Office, Customhouse Buildings, Wellington, 10th May, 1916.

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, 1916.

I have to report that a good year's work has been accomplished by the departmental officers. The inspection of land machinery has been considerably favoured this year by the long spell of dry weather, which has facilitated the operations in the backblocks and the country districts generally.

The ship-surveys are well in hand, but there are a great many land inspections that could not be made owing to the limited staff and to natural increases to machinery in the districts. This applies more particularly to the North Island, where machinery has increased much more rapidly than in the South Island in recent years. Notable increases have been made during the year to freezing industries, both to machinery and to storage-capacities of works, all over the Dominion.

The dairy industry has been well maintained, but the scarcity of labour owing to enlistment has hampered many industries and works all over the country.

There has not been any boiler-explosion during the year, which is a very satisfactory record, and I have again to congratulate the whole of the technical staff on such a result. Steam-pressures keep on increasing, and where steam plants are in hands of untutored men in isolated places great care has to be exercised in making inspections. Not only have the boilers to be examined for defects, but the boiler-mountings and all the feeding-appliances as well.

Lifts have received as much attention as possible at the hands of the limited staff, and many new electrically driven lifts have been installed in new buildings in the four principal centres. The automatic push-button lift is gaining in favour, and if such a lift is kept in proper order it is in every way a satisfactory addition to any building in which passengers are carried, and can be run without a lift-attendant.

The engineering workshops have not been too busy during the year. In cases difficulty has been experienced in getting suitable material to fulfil orders in progress. I visited most of the districts during the year, and made a special trip to North Auckland districts to find out the most suitable place to locate an Inspector in the district. I consider that Whangarei would be the best centre to open an office which would be a good working-base for the whole district. The question of placing an officer in this district permanently was mentioned in my report last year, but so far nothing has been done in the matter. Two additional Inspectors are required in the North Island to cope with new work and to assist in the various districts when required. One should be permanently stationed at Hamilton. The officer there has far too much work to do. The Palmerston North officer could do with six months' help now every year, and the Auckland District is in a similar position. The new inspections in the Wanganui district are increasing very rapidly, too.

Annual Survey of Steamships and Auxiliary-powered Vessels.

The work connected with steamship surveys is well in hand. The surveys of steamships this year have been much more arduous owing to the many requests for piecemeal surveys. As far as possible all requests have been met, and surveys have thus been carried out in connection with the same ship at different ports of arrival and from time to time until the completion of survey. With a limited staff so employed the other work of the districts has had to stand over for the time being.

Nearly all steamships have now been equipped with the appliances as set out in the regulations. Time had to be given for the construction of new boats, and to get air-cases made and other equipment. So far no trouble has arisen in the carrying-out of these regulations. Such rules are very hard on small shipowners who have small vessels with limited spaces for the placing and the stowing of such appliances.

During the year the construction of three vessels over 25 tons gross register was completed in the Dominion. One of these vessels is a steamer engaged carrying passengers and cargo in Kaipara Harbour. Another is an auxiliary scow propelled by oil-engines and trading on the coast. The other was the auxiliary schooner "Stratheona," owned by the Pacific Cable Board. This vessel was wrecked on her maiden voyage to the South Pacific Islands. The plans and specifications of the hulls were carefully examined before the construction of these vessels was begun. Regarding the propelling machinery of these vessels, the oil-engines of one vessel were of foreign manufacture; those of the other were made in Scotland, as also were the engines and boiler of the steamer. The engineering workshops in New Zealand have, however, to their credit the construction of four out of the six boilers which have replaced old ones in a similar number of steamers. The fifth boiler was of the Babcock and Wilcox pattern. The sixth was a second-hand boiler.

The following are the particulars of the three new vessels:—

S.S. "Ruawai" was built in Auckland, and after being completed she proceeded to the Kaipara Harbour, where she is now employed. She has a gross tonnage of 291 and a registered tonnage of 177 tons. She is 123·6 ft. long, 27·8 ft. in breadth, and 9 ft. in depth. This vessel can carry over three hundred cabin and deck passengers. The propelling machinery consists of one set of triple-expansion engines, having cylinders 12 in., 20 in., and 32 in. diameter and 21 in. stroke. One marine boiler generates the steam at a working-pressure of 180 lb. per square inch. The hull is of wood. The keel, stern, and stern-post are of kauri, and three ironbark keelsons are fitted. The deck-beams are of iron.

Oil-engine Vessel "Poroto" is an auxiliary scow of light draught, and was built for cargo purposes. Her dimensions are 87·3 ft. in length, 23·3 ft. in breadth, and 6·8 ft. in depth. Her gross tonnage is 109 and the registered tonnage 57 tons. The vessel is fitted with twin screws. Each engine has two cylinders, 9 in. in diameter, with a stroke of 14 in. The engines develop 60 brake horse-power.

Oil-engine Vessel "Strathcona" was a schooner-rigged vessel fitted with one set of oil-engines as auxiliary power. The gross tonnage of the vessel was 215 tons and the registered tonnage 151 tons. New Zealand woods were largely used in the construction of the hull. The keel, top timbers, planking, and stringers were kauri. The keelsons and stern-post were iron-bark, and the stern and deadwoods of pohutukawa, and the frames puriri and pohutukawa.

New propeller-shafts to the number of sixty-four were fitted to vessels surveyed during the year. Four were fitted with new crank-shafts and twelve had new propellers fitted. Twenty-three had new propelling-engines fitted, and six had new main boilers installed.

Quite a number of vessels required important repairs. The particulars of the repairs made to a few of these vessels, and also some remarks referring to two vessels surveyed for the first time during the year, are set out below:—

S.S. "Calm."—This vessel was formerly the "Cuyaba," and was built on the east coast of England in 1909. She is now owned by a Canterbury firm and is engaged in the home trade, carrying cargo only. The vessel is of 892 tons gross and 523 tons registered tonnage. Her length is 205 ft., breadth 33 ft., and 14 ft. in depth. The main engines have cylinders 17 in., 28 in., 46 in. diameter, and a stroke of 30 in. Two marine multitubular boilers are fitted, and work at a pressure of 180 lb. per square inch. They are 11 ft. 4 in. in diameter and 10 ft. 6 in. long.

S.S. "Corinna."—This vessel received an extensive overhaul, and several hull-plates were renewed.

S.S. "Fairy."—The principal repairs to this vessel were made to the hull and boiler.

S.S. "Kaitoa."—This vessel has been fitted up to enable her to carry passengers. The passengers are carried in a new deck-house aft and in cabin amidships. The lifeboats had new patent disengaging-gear fitted.

S.S. "Maitai."—Repairs were effected to the hull and boilers of this vessel.

S.S. "Mako."—This is a new vessel, and she was surveyed for the first time during the year. She was built in Scotland for Napier owners, and is engaged carrying passengers and cargo in the home-trade limits. The hull is built of steel. The registered dimensions of the vessel are—Length, 153.5 ft.; breadth, 25.1 ft.; depth, 14 ft. Her gross tonnage is 322 and the registered tonnage 247 tons. The vessel is propelled by one set of triple-expansion surface-condensing engines, with cylinders 13 in., 22 in., and 36 in. diameter and a stroke of 30 in. Steam is supplied at a pressure of 180 lb. per square inch from one multitubular boiler.

S.S. "Orewa."—New sister keelsons were fitted and bolted down to the bottom of this vessel after the old boiler had been lifted out. A new false keel was fitted. The bridge deck-planking has been renewed. The engine bed-plate has been fitted with six new holding-down bolts, and the high-pressure cylinder was rebored. A new boiler built of steel was installed. The boiler is 6 ft. 9 in. in diameter by 8 ft. in length, and is constructed for working pressure of 130 lb. per square inch.

Oil-engine Vessel "Rachel Cohen."—This vessel has been converted from a sailing-vessel to an auxiliary-powered vessel. The propelling machinery consists of two sets of semi-Diesel oil-engines. Each set has two cylinders 8½ in. in diameter, with a 10 in. stroke, and develop 40 brake horse-power. The hull of the vessel received a very searching overhaul. A number of planks, frames, and fastenings were renewed.

Dredge "Rubi Seddon."—The hopper of this dredge was sheathed with steel plating for the full length and 7 ft. up from the bottom on each side, and other repairs and alterations were made.

S.S. "Tawera."—The hull of this vessel was strengthened under the engines and boiler by fitting two sister keelsons 18 ft. long. New deck-planking and a new deckhouse have been fitted. Several parts of the engines have been renewed, including crank, thrust, intermediate, and propeller shafts, the connecting-rod and bottom end brasses, and one coupling-bolt for the shafting. The old boiler was removed and replaced by one out of another vessel. The new boiler was thoroughly examined, and was tested by hydraulic pressure before it was placed on board.

S.S. "Waitangi."—The boiler and engines were lifted out of this vessel, and the hull underneath was overhauled and strengthened, and other repairs and renewals were made. A new main boiler constructed of steel throughout was fitted on board. The boiler was tested by hydraulic pressure for a steam working-pressure of 100 lb. per square inch. It is 6 ft. 3 in. in diameter and 8 ft. long.

The total number of steamers and auxiliary-powered vessels which have been surveyed for certificates during the year amount to 768.

In addition to this number a great many vessels have been inspected in docks and on slips, where they were chiefly placed for cleaning and painting. It is often found that a considerable number of rivets in the bottoms of the hulls have been loosened, and the opportunity has been taken to make all under-water parts watertight and to put them in good repair.

Surveys of Ships for Seaworthiness.

The number of vessels surveyed for seaworthiness during the year total nineteen. In the majority of cases the vessels had been damaged through meeting with unusually severe weather. Other causes contributing to the unseaworthiness of vessels have been fires, collisions, groundings, and defects in engine-room.

Government Vessels.

Sixteen Government vessels were surveyed during the year. The names of them are—*S.S. "Amokura,"* *s.s. "Ben Lomond,"* *t.s.s. "Earnslaw,"* *s.s. "Hauraki,"* *s.s. "Hinemoa,"* *o.e.v. "Huia,"* *o.e.v. "Irene,"* *o.e.v. "Kohurangi,"* *s.s. "Lady Roberts,"* *o.e.v. "Manurere,"* *o.e.v. "Mororo,"* *p.s. "Mountaineer,"* *o.e.v. "Ratiti,"* *o.e.v. "Reremoana,"* *s.s. "Tawera,"* and *s.s. "Tutanekai."*

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

There was a total of fifty-six vessels surveyed during the year and fitted with auxiliary power. This is a good sign for the shipping industry, notwithstanding the adverse conditions operating during the year.

Sailing-vessels.

There were eighty-five vessels surveyed during the year. Important repairs made to sailing-vessels include the following:—

Ketch "Bee."—Repairs and renewals were made to this vessel.

Schooner "Combine."—Repairs and alterations have been made.

Scow "Dandy."—The donkey-boiler which has been placed on board this vessel received a thorough overhaul. A new lum-leg has been fitted to it, and compensating-rings riveted around all sludge-holes. The boiler was tested by hydraulic pressure. It was found necessary to reduce the working-pressure owing to general waste.

Cutter "Rewa."—As the result of a fire on board many parts of the vessel were found defective. Several new planks were fitted to the top-sides. The deck was all lifted and all lining-boards were removed. Thirty-five new timbers have been fitted, and the hull has been refastened, caulked, and sheathed with sheet copper. Other renewals include a 6 in. by 6 in. apron, chain plates and fastenings, steering-wheel gear and chains, bulwarks, anchor and cable, and all new equipment for the deck.

Explosive Permits.

There were 166 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,* Awanui, Blenheim, Christchurch,* Dunedin,* Gisborne,* Greymouth,* Hamilton,* Havelock, Hokianga, Invercargill,* Lyttelton, Matata, Mokau, Napier,* Nelson,* Opotiki, Palmerston North, Parenga, Tauranga, Te Kopuru,* Timaru,* Waihi,* Wanganui,* Wellington,* and Whangarei.

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, 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 presented themselves for the above examinations was 292. Of this number thirty-seven failed to pass.

The question as to the recognition of the time spent by students training as engineers at certain technical schools in the Dominion has been under consideration for some time. At the request of the technical officers of the Education Department I have been asked to visit several of the technical schools and to report on them. I have not completed this work yet. I can, however, bear testimony to the zeal of the students, and to the enthusiasm of the teachers whom I have had the pleasure of meeting. The work that is being done in the training of these boys is and must continue to be of great value to them in all their after-life.

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: Alexandra, Auckland,* Blenheim, Carterton, Christchurch,* Collingwood, Dunedin,* Featherston, Gisborne,* Greymouth,* Hamilton,* Hawera, Invercargill,* Matata, Maungaturoto, Napier,* Nelson,* Otaki, Pahiataua, Palmerston North,* Paeroa, Papatowai, Puponga, Queenstown, Stratford, Taihape, Te Horo, Te Kopuru, Timaru,* Waihi, Wanganui,* Wellington,* and Whitianga.

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

Reciprocal certificates were issued to applicants from other States as follows: Queensland, 2; Tasmania, 5; Victoria, 4; Western Australia, 2: total, 13. The total number who sat for these examinations was 423. Of this number 108 failed.

Examination of Electric-tram Drivers.

Examinations for this certificate were held at Christchurch,* Dunedin,* Invercargill,* Napier,* Wanganui,* and Wellington.* The numbers who sat for examination total seventy-eight. Of this number seven 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 nine 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.

The number of inspections made of this class of machinery amount to 10,871. Gas-engines numbered 1,986, oil-engines 4,760, electric and other lifts and motors, including those driven by water-power, 4,115, steam machinery 10.

* Places at which examinations have been held more than once.

There were a great many oil-engines still due for inspection at the end of the year, and the present staff cannot cope with the increase that has been made to this class of inspection-work in recent years. The oil-engine has proved a useful appliance for all classes of work, and has largely displaced men in the country on farms, and is now universally used for lifting purposes in the construction of new buildings, &c.

Fencing of Machinery.

The fencing and guarding of machinery has been well attended to during the year. So far as I can gather the owners have co-operated with the Inspectors in the direction of providing suitable guards for dangerous parts of moving machines and machinery in motion. All parts in motion cannot, however, be guarded, as to do so would interfere with the efficiency of the machinery. Common-sense must largely come in here, and the attendant must use discretion. The wearing of loose clothing is often the cause of accident, and sometimes the attendant of a machine gets careless through use of it and takes unnecessary risks.

The number of notices given to fence and guard machinery total 806.

Boilers inspected.

The inspection of boilers and of digesters and machinery in connection with boilers is fairly well in hand. Nothing exceptional has occurred throughout the year in connection with boilers. A great many useful repairs were carried out to the satisfaction of the Inspectors. Notices to repair boilers to the number of 339 were issued by the staff to steam-users, and some 749 defects were discovered in connection with boilers and their respective fittings. Nineteen defects were very dangerous, and if neglected might have caused serious loss to life and property. No accident causing the death of any one has occurred with boilers this year. No trouble or friction has taken place against the decision of the Inspector to have repairs made, which goes to prove that the public have every confidence in the Inspector's decision and recommendations at these annual visits.

Three hundred and twenty-seven new boilers were inspected for the first time this year. Of this number the greater percentage were of the multitubular type. The imported boilers were principally of the portable, locomotive, traction, and road-roller type. There were also a few of the water-tube and Lancashire type. Exclusive of what are commonly called "boilers"—that is, vessels in which steam is generated for engines and power purposes generally—a number of vessels using steam for a variety of purposes were also inspected. Such steam-vessels include digesters, wool-drying machines, manure-driers, and retorts for freezing-works, vulcanizers for motor-garages, &c.

The following table gives the districts to 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	24	266 $\frac{3}{4}$	42	452 $\frac{3}{4}$	66	719 $\frac{1}{2}$
Auckland South	23	230 $\frac{1}{2}$	11	860 $\frac{1}{2}$	34	1,091
Hawke's Bay	21	227 $\frac{1}{4}$	15	175 $\frac{1}{4}$	36	402 $\frac{1}{2}$
Taranaki	18	211 $\frac{1}{4}$	8	36	26	247 $\frac{1}{2}$
Wellington North	9	142 $\frac{1}{2}$	6	30 $\frac{1}{2}$	15	173
Wellington	24	213 $\frac{1}{2}$	21	60 $\frac{1}{2}$	45	274
Marlborough	4	25	1	2 $\frac{1}{2}$	5	27 $\frac{1}{2}$
Nelson North	6	82 $\frac{1}{2}$	4	17 $\frac{1}{2}$	10	100
Nelson South	5	32	2	15	7	47
Westland	3	29	2	60	5	89
Canterbury	19	96 $\frac{1}{2}$	15	81	34	177 $\frac{1}{2}$
Canterbury South ... ..	...	...	3	19	3	19
Otago	13	96	12	264	25	360
Southland	9	124	7	45 $\frac{3}{4}$	16	169 $\frac{3}{4}$
Totals	178	1,777	149	2,120 $\frac{1}{4}$	327	3,897 $\frac{1}{4}$

Districts and Inspectors.

There were no changes in the departmental staff during the year. Several of the officers assisted in districts outside of their own.

I have, &c.,

ROBERT DUNCAN,

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

The Secretary, Marine and Inspection of Machinery Department

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

SIR,—

Wellington, 8th May, 1916.

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

During the year I have visited most of the principal fishing-ports and fisheries from Stewart Island to Bay of Islands. I also made an inspection of all the rock-oyster beds in the Hauraki Gulf, Kaipara, Bay of Islands, and north to Parengarenga. As it was impossible to get sufficient skilled assistance to work up-country salmon-egg-collecting stations, I took charge of the station on the Twizel and Ohau Rivers myself during the spawning season, and I also took the salmon-eggs to the West Coast and attended to the hatching and liberation of the young fish there.

As will be seen from the reports supplied by the Collectors of Customs and local Inspectors of Fisheries at the different fishing-ports, the weather-conditions have generally been favourable for fishing. Fish have been plentiful and good catches made, and, on the whole, the various markets have been well supplied with fish.

I attach to this a table compiled from information contained in the reports referred to, giving the number of fishing-boats and men engaged in fishing, and approximately the total number of persons employed in connection with the industry, and also an approximate estimate of the quantity and wholesale value of fish brought in from the different fishing-grounds during the year.

The following is a precis of the reports supplied by the Collectors of Customs and local Inspectors of Fisheries at the various fishing-ports, viz. :—

Russell.—The principal market fish taken at Bay of Islands and along the northern coast to Parengarenga are schnapper, mullet, flounders, kahawai, garfish, kingfish, tarakihi, and crayfish. Good catches of these fish have been made during the year. Mullet have been particularly plentiful, and taken in larger quantities than any season during the last eight years. The number of boats licensed is seventy-five, and the number of fishermen was 161, while the total number of persons employed in connection with the industry was 250. There are two fish-canneries and twelve fish-smokehouses in the district. The output from the two mullet-canneries for the year was 471 cases, valued at £1 4s. a case. During the season of 1915, 5,312 sacks of oysters were picked from the local beds, valued at £3,520. The “fixing” of young oysters during the last two or three years has been rather poor, and in consequence of this the quantity of mature oysters which can safely be taken for market may have to be reduced for a time. Taken as a whole the oyster-beds at the Bay of Islands at the present time are in good condition. Some useful work has been done in replanting and improving the beds by removing high-water oyster-rock down to half-tide.

Hokianga.—The number of fishing-boats licensed during the year was twenty-six, employing thirty fishermen. Mullet, schnapper, kahawai, and flounders are the principal fish caught. All the fish brought in is used locally. Oysters are fairly plentiful over the small area on which they are found, and are of excellent quality.

Auckland.—The number of fishing-boats licensed during the year was 216, employing altogether 361 fishermen, while the total number of persons employed in connection with the industry was 721. The Collector of Customs gives the approximate weight of fish which passed through the local market as 5,616 tons, the wholesale value being estimated at £111,100. The number of whales killed in the district was seventy, yielding 250 tons of oil, valued at £4,000, and seventy tons of bonedust, valued at £350. The total quantity of oysters picked during the past season was 9,396 sacks, valued at £6,714 18s. 6d. These figures include 5,312 sacks taken at the Bay of Islands. The local Inspector reports good catches of all kinds of market fish. Schnapper have been particularly plentiful, and very large hauls have been made by the trawlers which have commenced work on the trawling-grounds in the Hauraki Gulf during the year.

Thames.—The number of fishing-boats licensed was forty-two, as against sixty the previous year. The decrease in the number of boats licensed is stated to be due to a good many of the younger fishermen having enlisted and gone to the front. The number of men engaged in fishing was eighty-four, and the total number employed in connection with the industry 109. The kinds of fish usually caught on the local fishing-grounds are schnapper, flounders, trevalli, kahawai, mullet, and gurnard, and the catches of these fish for the year have been about the average of other seasons. The quantity of fish which passed through the three fish-freezing works is stated to be 1,126 tons, valued at £19,076.

Kaipara.—The Inspector reports that all kinds of fish usually caught in the estuary have been plentiful, but the quantity caught and sent to the Auckland market was considerably below what was sent the previous year. The falling-off is stated to be due to the Auckland market being fully supplied by the trawlers working in the Hauraki Gulf. The number of fishing-boats licensed was forty, employing sixty men, and the total number of men engaged in various ways in connection with the industry was eighty. The quantity of all kinds of fish caught is estimated at 458 tons, valued at £7,240.

Kawhia.—The estuary and coast north and south of Kawhia abounds with fish. At present fish are only caught for local requirements. There are five boats licensed, employing five fishermen, and eleven altogether engaged in connection with the catching and sale of fish.

New Plymouth.—The number of fishing-boats licensed was eighteen, with thirty-six men engaged in fishing, and twelve others employed in other ways connected with the industry. The kinds of fish usually brought in are schnapper, gurnard, hapuku, kahawai, herring, crayfish, and whitebait. The quantity of fish of all kinds brought in was 152½ tons, valued at £2,258.

Wanganui.—The number of boats fishing was seventeen, employing eighteen fishermen, and, with fish-salesmen, &c., the total number employed in connection with fishing was thirty-five persons. The quantity of fish caught was $7\frac{1}{2}$ tons, valued at £384. Very little fishing is done outside the bar, and is mostly confined to the tideway of the river.

Foxton.—The number of boats licensed was twenty, and thirty men engaged in catching, with eight others employed in other ways. The fish taken are principally flounders, whitebait, schnapper, and kahawai. The quantity caught during the year is stated to be 40 tons, valued at £1,355. The Inspector reports flounders as scarce; fair catches of whitebait were made during the season for this fish; schnapper plentiful.

Gisborne.—The Collector of Customs reports thirteen small fishing-vessels and two steam trawlers were licensed, employing altogether forty fishermen. Tarakihi, schnapper, flounders, soles, kingfish, and hapuku are the principal fish caught, and all kinds have been fairly plentiful during the past twelve months. The quantity brought in is estimated at $204\frac{1}{2}$ tons, and the value at £4,000.

Napier.—The Inspector reports poor catches by the trawlers during the year. This he attributes to unfavourable weather-conditions, the shortage of suitable men, and the presence of sharks in unusual numbers. The seine-net and line fishermen report good catches. The fishing-grounds of Hawke's Bay provide a splendid variety of the best market fishes, including flounders, soles, schnapper, moki, kingfish, tarakihi, trevalli, red cod, blue cod, gurnard, mullet, kahawai, barracouta, and hapuku. The number of fishing-boats licensed during the year was fifty-two, including nine steam trawlers, employing altogether 108 fishermen, and the number of persons employed in other ways connected with the industry was twenty. The quantity of fish caught was 1,075 tons, valued at £18,798.

Wellington.—During the year 910 tons of fish were brought in from the local fishing-grounds, its value being estimated at £18,760. This quantity compares favourably with the average catch of several past seasons. Besides the supply obtained from the local fishing-grounds, Wellington draws large supplies from other districts. Fish-salesmen report that the supply obtained from all sources during the year has been equal to market requirements. The number of fishing-boats licensed was sixty-two, employing 156 men, and the total number of persons employed in connection with the fishing industry was 336.

Picton.—The Inspector reports all kinds of market fish usually caught in the Marlborough Sounds and Cook Strait as plentiful, and good catches have been made during the year. The number of boats licensed was twenty-seven, including one steam trawler, and the number of men engaged in fishing was sixty, and the total number of persons employed was eighty-seven. The catch of fish for the year was 100 tons, valued at £1,200. Two powerful motor-engine launches were engaged in whaling, and were successful in getting thirty-six "humpback" and five "right" whales, yielding 230 tons of oil, valued at £3,680, and whalebone valued at £1,100.

Wairau (Blenheim).—Fair catches of fish have been made throughout the year. The quantity brought in is estimated at 60 tons, valued at £1,870. The number of boats licensed was eight, employing sixteen fishermen, while eight others were employed in connection with the packing and sale of fish.

Nelson and French Pass.—The Collector of Customs reports that fishermen have experienced a favourable year. Fish have been fairly plentiful, and the catches above the average of other seasons. Fifty-two fishing-vessels were licensed, employing about 104 fishermen, and the total number of persons employed in connection with fishing, packing, and sale of fish was about 156. The quantity of fish brought into Nelson was 209,332 lb., equal to about $93\frac{1}{2}$ tons, valued at £972. The quantity taken at French Pass is estimated at 350,000 lb., equal to about $151\frac{1}{2}$ tons, valued at about £2,916.

Karamea.—Schnapper, kahawai, red cod, herrings, and flounders are the principal fish caught, and they are reported as being plentiful throughout the year. All the fish are sold locally, the quantity being estimated at about $7\frac{1}{2}$ tons, valued at £134. The number of boats licensed and fishing was three, employing six fishermen, three others being employed otherwise.

Westport.—The principal fish caught are schnapper, blue cod, kahawai, herring, flounders, soles, crayfish, and whitebait. The quantity taken during the year is estimated about 40 tons, valued at £1,534. There is one whitebait-canning factory, but last season is reported to have been a poor one for these fish. Fifteen vessels were engaged in the industry.

Greymouth.—The kinds of fish taken here are similar to those at Westport and Karamea. Nine fishing-boats were licensed, including two oil motor-launches, which trawl outside the bar when the weather is favourable. The number of fishermen engaged in fishing was fourteen, and nine others were employed in various ways. About $9\frac{1}{2}$ tons of fish was brought in from the local fishing-grounds, valued at £320. The bulk of the fish required for Greymouth and district is imported from Nelson and Wellington. There is one whitebait-canning factory, but the past season is reported to have been a poor one for these fish.

Hokitika.—Catching whitebait in the season is practically the only fishing done at this port. There are two whitebait-canning factories, and the number of men engaged in catching whitebait and employed at the canneries is about 112. The run of whitebait last season was rather a poor one. The quantity taken for the season is estimated at about 18 tons, valued at £750.

Kaikoura.—The Inspector says the fishermen have done very well during the past year, fish having been plentiful and good catches made. There are seventeen fishing-boats licensed, giving employment to about thirty men. The quantity of fish caught is estimated at 340 tons, valued at about £3,500.

Akaroa.—Fish are plentiful on the extensive fishing-grounds round Banks Peninsula, but owing to the want of cool storage and the poor facilities for getting fish away to Christchurch and other markets these grounds are not made use of as they might otherwise be. There were sixteen boats licensed and fishing, employing twenty men, and the quantity of fish taken was 55 tons, valued at £1,004, and 400 sacks crayfish, valued at £200, making a total of £1,204.

Rangiora.—The catches of fish during the past year were equal to the average of previous seasons. The number of boats licensed and fishing was fourteen, employing eighteen men. The quantity of fish caught is estimated at about $3\frac{3}{4}$ tons, valued at about £359.

Southbridge.—The Inspector reports that fishing in Lake Ellesmere has been poor during the year. Fishermen attribute the scarcity to the outlet of the lake being blocked at the season when the fish are making inshore. The number of boats licensed was eleven, employing twenty-two fishermen.

Lyttelton and Sumner.—The small boats have had a good season. Altogether there were twenty-one boats licensed and fishing, employing thirty-four fishermen. The quantity of fish brought in from the local fishing-grounds is estimated at 705 tons, valued at £13,066.

Kaiapoi.—Whitebait and flounders are the principal fish caught, and they have been taken in fair quantities. There were forty boats licensed and fishing, employing forty-five fishermen. The quantity of whitebait taken last season was estimated at 8 tons, valued at £896.

Altogether in the Christchurch district there were 102 boats licensed and fishing, employing 149 fishermen, while the number of persons otherwise employed in connection with the fishing industry may be estimated at about fifty, making a total of 199. The quantity of fish brought in from the different fishing-grounds is estimated at $771\frac{1}{2}$ tons, valued at £14,525.

Timaru.—The Collector of Customs reports as follows: "Hapuku, a good supply from November to April; soles, a good supply throughout the year; flounders, a fair supply; barracouta, a good supply from March to May; kingfish, a good supply; ling, medium supply; red cod, plentiful. The number of boats licensed was twenty-one, employing thirty fishermen, and eight others are employed in connection with the sale and handling of fish. The quantity of fish of all kinds brought in is estimated at 3 tons a week, or a total of 156 tons for the year, and the value of the year's catch is estimated at £3,000."

Otago District.—The district Inspector says in his annual report, "The past year has without doubt been an extremely satisfactory one for those engaged in the fishing industry. With the exception of the months of May and June the weather-conditions were favourable, and catches both by the trawlers and linemen have been above those taken for many years. The supply of flat fish has been unusually good during the months of July, August, September, and October. Very large numbers of soles were taken. During July and August the catches were almost all the common sole and of a large size, but as the season advanced and trawling was carried on at a greater depth more lemon-soles were taken."

The number of fishing-boats licensed and engaged in fishing was 110, and the number of fishermen employed was 232, while the total number of persons employed in various ways in connection with the industry was about 357. Three steam trawlers and three oil-engined vessels were engaged in trawling throughout the year. The total weight of fish carried by rail from the different fishing-ports for the year ending 31st March was 2,963 tons, and it is estimated that over and above this quantity 200 tons are sold locally, making a total weight of 3,163 tons brought in from the fishing-grounds off the Otago coast during the year. The wholesale value of the fish is estimated at £50,578. There is one fish-canning factory in Dunedin, where crayfish, whitebait, and oysters are canned in their season.

Southland District.—The Inspector at Bluff reports as follows: "The season has been a good one, fish being plentiful, and weather-conditions having been unusually favourable, large catches have been made."

The oyster-men report having visited all the known Foveaux Strait beds. The oysters are plentiful and in good condition. The number of fishing-vessels licensed and engaged in fishing and oystering was 105, including four steam trawlers and four auxiliary cutters, employing 149 fishermen. The total quantity of fish brought in is estimated at 21,564 cwt. Of this quantity 7,983 cwt. was exported, and the balance, 13,581 cwt., was disposed of in the Dominion. The total value of the catch for the year is estimated at £29,706. The quantity of oysters brought in from the Foveaux Strait beds last season was 32,839 sacks, valued at £16,123. 4,347 sacks were exported to Australia, and 28,492 sacks were disposed of in the Dominion. In the Invercargill district the number of fishing-boats licensed was thirty-five, employing fifty fishermen, while twenty-six were employed in other ways connected with the fisheries. The quantity of fish brought in was 15 tons, valued at £730.

Rock-oyster Beds.—During the year I made an inspection of all the oyster-beds in the Hauraki Gulf, Kaipara, and Bay of Islands, and all the inlets as far north as Parengarenga. In the Hauraki Gulf the beds are extending satisfactorily. This is due to the replanting done by the Department and strict protection. The beds replanted on the Coromandel coast since 1909 and islands in the Thames Gulf are improving very well. In Te Kumu and Manaia Bays there is now a fair quantity of oysters ranging in ages from this season's fixing of spat to six-years-old mature oysters, and all the other replanted beds are showing equally satisfactory results. On Waiheke, Ponui Island, and other parts of the gulf beds there has been a poor "fixing" of spat for several seasons in succession, and in consequence of this the quantity of oysters which can be taken for market will have to be reduced in proportion. The beds at the Bay of Islands are in a similar condition to those in the Hauraki Gulf: there, too, there has been a poor fixing of spat for several seasons. Since February a large quantity of drift oysters have been collected

from the flats in the Kerikeri estuary and bedded down on shingle beaches in the Tei and Porerua Channels. The Inspector reports that these oysters have improved to such an extent that they are now equal in condition and flavour to the oysters from the best Kaipara rock-beds. As for some years it has been reported that large beds of mangrove and drift oysters existed in the estuaries north of Bay of Islands, accompanied by Inspector Flinn, of Russell, I made an inspection of the estuaries as far north as Parengarenga in February last. The result of our inspection was, however, very disappointing, for we found that with the exception of Mangonui Harbour there were no beds in any of the other estuaries worth mentioning. In the Mangonui Harbour we found the beds in very fair condition, and a small quantity might be taken this season for market. Accompanied by Inspector Bennett I visited the Kaipara beds. We found a fair quantity of marketable oysters on the rock-beds, and we estimated that about two hundred sacks could be taken this season.

Return of the Number of Fishing-boats licensed, the Number of Fishermen, the Total Number of Persons employed in connection with the Fishing Industry, the Estimated Quantity and Value of Fish brought in to the different Fishing-ports.

Place.	Number of Fishing-boats.	Number of Fishermen.	Number of Persons employed.	Quantity of Fish brought in.	Estimated Wholesale Value.
Russell	75	161	250	Incl. in Auckland return.	
Hokianga	26	30	30		
				Tons.	£
Auckland .. .. .	..	361	721	5,610	111,100
Thames .. .. .	..	84	109	1,126	6,715*
Kaipara .. .. .	..	60	80	458	4,350†
Kawhia .. .. .	..	5	11	..	19,076
New Plymouth .. .. .	..	36	48	152½	7,240
Wanganui	17	18	35	7½	2,258
Foxton .. .. .	..	30	38	40	384
Gisborne .. .. .	..	40	42	204½	1,355
Napier .. .. .	..	108	128	1,075	4,000
Wellington .. .. .	..	156	336	910	18,798
Piiton .. .. .	..	60	87	100	18,760
Wairau .. .. .	..	16	24	60	1,200
Nelson and French Pass .. .. .	..	104	156	245½	4,780†
Karamea .. .. .	..	6	9	7½	1,870
Westport .. .. .	..	20	35	40	4,577
Greymouth .. .. .	..	14	23	9½	134
Hokitika .. .. .	..	112	112	18	1,534
Kaikoura .. .. .	..	30	30	340	320
Christchurch and district .. .. .	..	149	199	771	750
Timaru .. .. .	..	38	50	156	3,500
Otago district .. .. .	..	232	357	3,163	14,525
Bluff, Stewart Island, and Invercargill .. .. .	..	199	251	1,093½	3,000
				32,839 sacks	50,578
					30,436
					16,123*
Totals .. .. .	..	2,069	3,161	15,587	327,363

* Oysters.

† Whale products.

Quinnat Salmon.—Last spawning season 251,000 eggs were collected; the most of these were taken at the Hakataramea Salmon Station. Two up-country collecting-stations were worked—viz., Gray's Creek, on the Tekapo branch of the Waitaki River, and the Twizel River, a tributary of the Ohau branch. A large number of male fish were netted at Gray's Creek station, but all the females were spent fish and we were not successful in getting any eggs. At the Twizel we were successful in getting a fair quantity. Owing to the very low state of the Hakataramea River throughout the spawning season comparatively few fish ran up, and the quantity of eggs collected did not come up to expectations. The rack across the river, built on the American principle, was effective in stopping salmon from getting past, and all which came up were caught.

This season (1916) we decided to work the Dobson River, one of the rivers which flow into the head of Lake Ohau, and the men commenced operations there about the 20th April, and notwithstanding the difficulties experienced in working such a heavy river they have to date been very successful in getting eggs. The run of salmon on the Hakataramea is by far the heaviest that has been experienced. The river this season is carrying a good body of water, and as it is discharging directly into the main branch of the Waitaki, all the salmon which come up from the sea have to pass its mouth, and as the condition of the Hakataramea is so favourable a good many fish enter its mouth and find their way up through the nets. The first run of fish this season

was fully two weeks earlier than in any previous season, and another unusual feature is the large number of unripe fish which have been taken. If the salmon continue running for another ten days at the rate they have been doing the collection of eggs taken from fish netted in the Haketaramea River alone will exceed half a million. From my own observations and from reports from the Tekapo and Pukaki Rivers it would seem that there is an exceptionally heavy run of fish in the Waitaki and all the tributaries this season.

Salmon have been caught freely by anglers at the mouths of the Waitaki, Rangitata, and Rakaia Rivers this season, and information is to hand to the effect that large numbers have been caught by hook and line off the Timaru Breakwater. Last spawning season a large number spawned in the Rangitata River and its tributaries. All this goes to show that the salmon are fast making their way into the large snow-fed rivers north of the Waitaki. One of the reasons why the Waitaki River was chosen in the first instance for the salmon was because of the northerly set of the ocean current along the east coast, so that by stocking the Waitaki all the rivers north of that would in time be stocked by the fish being carried northward.

Collection of Brown-trout Eggs.—The weather and river conditions were again favourable for this work, and we were successful in collecting a large quantity. The number of eggs taken totalled 1,579,000. The number supplied to acclimatization societies was 1,490,000.

Introduction of Atlantic Salmon.—If persevered with on systematic lines, as was done with the quinnat salmon, I am convinced that we would be successful in acclimatizing this valuable fish. There is no better river in the Dominion for the Atlantic salmon than the Waiau in Southland, and on its headwaters the Department has a hatchery capable of dealing with a million eggs at one time, and unless this hatchery is made use of the shed and the boxes and fittings will soon be beyond repair.

While it is, of course, impossible at the present time to get a supply of salmon-eggs from England, yet I think inquiry should be made about obtaining them from eastern Canada, and from statements made by Professor Prince when he was in the Dominion two years ago I am of the opinion that any fresh eggs required by the New Zealand Government would be supplied, and, if not actually free of cost, the charge would only be sufficient to defray the cost of collecting. I would recommend that the question of obtaining a shipment of salmon-eggs from Canada this season should be considered by the Government.

I have, &c.,

L. F. AYSON,

The Secretary, Marine Department, Wellington.

Chief Inspector of Fisheries.

The CHAIRMAN, MARINE FISH-HATCHERY BOARD, to the SECRETARY, MARINE DEPARTMENT.

Marine Fish-hatchery and Biological Station,

Portobello, Dunedin, 30th April, 1916.

SIR,—

The work done at the Marine Fish-hatchery during the past year has been mainly routine, owing largely to the fact that the care and attention required to feed and keep in order and condition the stock of turbot and lobsters at the station has made most constant demands on the time of both Messrs. Anderton and Adams. The following is Mr. Anderton's report to the Board:—

“ 31st March, 1916.

“ To the Chairman, Marine Fish-hatchery Board.

“ SIR,—

“ I have the honour to present the following report of operations at the Marine Fish-hatchery during the year ending 31st March, 1916.

“ *Turbot.*—The turbot have continued to thrive, and have increased greatly in size. The largest now measure 18 in. in length, an increase of about 2 in. for the year. All are in the very pink of condition, and are entirely free from any signs of fungoid disease. The new concrete tank has considerably lessened the congestion in the tanks, but it will soon become necessary to provide further accommodation, or else to liberate a number of the larger fish. They have now attained such a size that the liberation of a number in a suitable locality might at any time be considered advisable. Two only have died during the year. Ling has again been used exclusively for feeding purposes, and has proved satisfactory in every way. None have as yet spawned, but there are now signs of the development in the ovaries noticeable in a few of the largest females.

“ *Lobsters.*—Two lobsters have died during the year, one male and one female, and the stock now stands at forty-two adults. The hatching of the lobster larvæ has again been very good indeed. The first larvæ were hatched on the 19th December, and hatching was continued till the 8th February, a month longer than is usual. The number of larvæ produced by the seventeen females this season is estimated at 132,000. Most of the stock have now moulted, and many of the females are again egg-bearing.

“ No crab-larvæ have been hatched this season.

“ The duties as Inspector of Fisheries have taken up a good deal of the assistant's time in collecting fees, attending to the registration and licensing of the boats, attending markets, visiting outlying ports, and in adjusting several matters that have cropped up, chiefly in connection with netting at the mouths of rivers. A visit is paid by him at least once a week to the Dunedin market, and a log kept of the quantities and prices of the fish sold.

"General.—Both cottages, hatchery buildings, workshops, and engine-house have received two coats of paint on the outside. Several rooms in the cottages have been papered and painted. All the paths and steps have been given a top-dressing of tar and sand. The slip-winch has been bedded in concrete, and a new and stronger slipway and carriage have been built to carry the new launch. A new concrete tank, measuring 15 ft. by 5 ft. 6 in. by 2 ft. 6 in., has been constructed in the hatchery. The metal and sand used have, as usual, been obtained from the fore-shore. No outside labour has been employed during the year. Messrs. Miller Bros. are proceeding with the construction of the new launch, and it is expected that she will be ready for use about the end of April. It is hoped that the full detailed report of observations for the past eleven years will be ready for publication in a month or so.

"I am, &c.,

"T. ANDERTON."

In addition to the demand on the men's time, it was found impossible to do research work outside Otago Heads, as the launch "Rautaiā" was not strong enough to go with safety outside the harbour-limits. It was therefore decided to get a new launch built by Messrs. Miller Bros., of Port Chalmers, and this boat has now been delivered, and is in every way satisfactory. She is 36 ft. long, is furnished with a 7 horse-power oil-engine, and is constructed for fishing as well as dredging and other collecting work. The after part is fitted with tanks for holding live fish; a winch and pulley working from the oil-engine control the trawl-nets, of which two have been purchased by the Board; and when a dredge, tow-nets, thermometers, and a sounding-apparatus has been added she will be fitted to undertake excellent scientific work. The Board has ordered a supply of fish-marking tags from Canada.

I have, &c.,

GEO. M. THOMSON,
Chairman, Marine Fish-hatchery Board.

The Secretary, Marine Department, Wellington.

The NAUTICAL ADVISER to the SECRETARY, MARINE DEPARTMENT, Wellington.

SIR,—

Marine Department, Wellington, 12th April, 1916.

I have the honour to submit my annual report on the examination of masters and mates in New Zealand for the year ended in March last.

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

I visited the Auckland examination-room in January of this year and found everything in very good order. I was particularly pleased with the very efficient arrangements which had been made to completely darken the examination-room for the lantern-sight test by the use of large well-fitting black shutters on hinges, enabling the change to be made from light to dark and *vice versa* very quickly.

In January of this year the use of wools for testing colour-blindness was done away with. From June, 1914, to January, 1916, both wools and lantern have been used in the colour-vision tests, and no less than three candidates who passed well in the form vision, and also passed the wool test, failed badly in the lantern test. The special eye-doctors who conducted the appeal in one case put the defect down to excessive smoking.

No candidate who already holds a certificate of competency is now examined in colour vision.

From January of this year all candidates for home-trade and foreign-going certificates are expected to be able to send and read Morse signals at the rate of five words a minute, and to send and read semaphore signals at the rate of eight words a minute.

The only late change in the clerical part of our examination has been the adoption of a new Admiralty tide-table, in which a different system of tabulating the tides is now used.

Owing to the war and consequent depletion of officers, the number of examinations has been comparatively small during the last two years. The increase in the number of examinations this year over the previous year, which was unusually small, only amounts to 12 per cent., and the increase in the number of successful passes only amounts to 9 per cent., the number of failures this year being 44 per cent., against 42 per cent. last year.

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

I have, &c.,

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

The Secretary, Marine Department, Wellington.

RETURNS.

RETURN SHOWING THE TOTAL ORDINARY EXPENDITURE OF THE MARINE AND INSPECTION OF MACHINERY DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1916.

Nature of Expenditure.	Details.	Totals.	Grand Totals.
	£ s. d.	£ s. d.	£ s. d.
Head Office: Salaries of staff .. .. .	..	4,933 0 10	
Harbours:—			
Greymouth,—			
Salary of Engineer* .. .. .	..	460 0 0	
Hokianga,—			
Salaries of staff	536 18 11		
New house for Harbourmaster ..	998 18 6		
Removal and re-erection of boatman's house ..	267 12 0		
Repairing launch	34 18 0		
Stores and contingencies	148 6 9		
Kaipara,—		1,986 14 2	
Salaries of staff	746 6 0		
Lighting beacons in Helensville River ..	53 17 8		
Repairing launch	91 4 7		
Repairing and attending buoys	34 9 6		
Stores and contingencies	216 17 9		
Wellington,—		1,142 15 6	
Salary of storeman .. .. .	..	220 0 0	
Picton,—			
Salary	279 3 4		
Stores and contingencies	60 4 6		
Ngunguru,—		339 7 10	
Salary .. .. .	..	15 0 0	
Whangaparapara,—			
Salary	31 8 4		
Stores and contingencies	5 15 6		
Napier,—		37 3 10	
Salary	20 0 0		
Gas and contingencies	18 5 8		
Marokopa,—		38 5 8	
Salary	10 0 0		
Stores and contingencies	10 10 0		
Tongaporutu,—		20 10 0	
Salary	25 0 0		
Stores and contingencies	11 15 9		
Mokau,—		36 15 9	
Salary .. .. .	..	60 0 0	
Awakino,—			
Salary	20 0 0		
Stores and contingencies	3 14 8		
Nelson,—		23 14 8	
Salaries of signalmen† .. .. .	..	14 13 0	
Waitapu,—			
Salary	25 0 0		
Stores and contingencies	4 16 6		
Puponga,—		29 16 6	
Stores and contingencies .. .. .	..	14 1 3	
Collingwood,—			
Salary	80 0 0		
Removing snags, &c.	10 11 6		
Stores and contingencies	21 1 9		
Karamca,—		111 13 3	
Salary	145 0 0		
Shifting beacons and removing snags	22 10 0		
Stores and contingencies	92 9 4		
Little Wanganui,—		259 19 4	
Piloting vessels	21 0 0		
Removal of snags and erection of beacons ..	16 0 0		
Hokitika,—		37 0 0	
Salary	20 0 0		
Gas and contingencies	13 6 0		
Okarito,—		33 6 0	
Salary	31 5 0		
Signalling vessels	62 10 0		
Cutting channel through bar	9 8 0		
Stores and contingencies	19 16 0		
Okuru,—		122 19 0	
Salary	60 0 0		
Stores and contingencies	6 15 11		
Waikawa,—		66 15 11	
Salary .. .. .	..	10 0 0	
Angle Point,—			
Salary	25 0 0		
Stores and contingencies	11 11 8		
		36 11 8	

* Refunded by Greymouth Harbour Board.

† Refunded by Nelson Harbour Board.

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.
Supervision of beaches, Hauraki Gulf .. .. .	.. .. .	25 0 0	
General contingencies .. .. .	.. .. .	73 12 5	
Lighthouses* :—			
Salaries	10,938 7 10		
Oil, stores, and contingencies	6,594 8 4		
Keepers' travelling expenses	666 19 0		
Salary of Lighthouse Expert	290 0 0		
Automatic light for Nelson	240 19 0		
Automatic light for Ponui	236 0 0		
		18,966 14 2	
Meteorological Office :—			
Salaries	1,387 8 4		
Cleaning offices	26 15 0		
Extra clerical assistance	2 10 0		
Inspection of stations	44 16 10		
Postage, telegrams, rent of boxes	1,349 14 5		
Printing and stationery	105 19 5		
Rent, office equipment, &c.	166 1 3		
Repairs to instruments	3 1 6		
Telephones	24 10 0		
Weather messages by wireless	100 0 0		
Purchase of instruments	21 0 0		
Contingencies	17 4 10		
		3,249 1 7	
Mercantile Marine Offices :—			
Salaries	4,961 1 9		
Temporary surveyor at £250 (six months)	125 0 0		
Cleaning offices	36 12 6		
Office equipment and rent	204 15 7		
Procuring and maintaining launch for Wellington surveyors	78 8 9		
Telephones	88 10 9		
Travelling allowances and expenses	110 11 9		
Contingencies	5 3 6		
		5,610 4 7	
Inspection of Machinery and Survey of Ships :—			
Salaries	10,121 1 6		
Advertising books and periodicals	25 8 6		
Collection of inspection fees	150 0 0		
Rent, cleaning offices, &c.	105 7 5		
Telephones	95 16 2		
Travelling allowances and expenses	3,763 12 1		
Contingencies	9 14 10		
		14,271 0 6	
Protection of fish and oysters :—			
Salaries	1,605 7 2		
Benzine, oil, stores, &c.	137 1 4		
Bonuses and gratuities to officers	75 18 0		
Casual labour	151 5 0		
Collection and distribution brown-trout ova	210 3 1		
Hakataramoa salmon-hatchery	91 11 11		
Grant for maintenance of fish-hatchery at Portobello	500 0 0		
Picking and sale of oysters	5,263 14 9		
Planting oysters in Hauraki Gulf	179 8 0		
Planting oysters in Cook Strait	32 16 1		
Stocking a Westland and others rivers with salmon	311 0 2		
Subsidy to Portobello Fish-hatchery for research work (£1 for £1)	110 0 0		
Travelling allowances and expenses	299 14 11		
Contingencies	76 13 7		
		9,044 14 0	
		61,290 11 5	
Less miscellaneous credits .. .. .	..	1,816 17 0	
			59,473 14 5
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"	10,858 2 10		
Training-ship "Anokura"	8,907 10 8		
		19,815 13 6	
Less amount received for freight, passages, &c. . . . .	..	434 1 6	
			19,381 12 0
Miscellaneous services :—			
Acquiring land for beach reserve, Hauraki Gulf	30 11 6		
Administration of the Shipping and Seamen Act. and inquiries into shipping casualties	225 15 2		
Auckland Inland Waterways Commission	1,041 5 4		
Audit fees for inspection of accounts	75 0 0		
Jackson's Head beacon	49 0 4		
Waitapu leading-lights	225 0 0		
Carriage and freight	63 14 6		
Charts, books, and periodicals	138 13 7		

* Represents total expenditure for year. Actual cost of maintenance is given in a separate return.

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

Nature of Expenditure.	Details.	Totals.	Grand Totals.
Miscellaneous services— <i>continued.</i>	£ s. d.	£ s. d.	£ s. d.
Checking overcrowding on steamers	451 10 4		
Contribution towards New Zealand Sailors' Room, England	17 17 0		
Piako River leading-lights	143 11 2		
Expenses connected with examinations	13 12 6		
Expenses connected with Wellington Patent Slip inquiry	20 15 4		
Extension of wharf, Taieri Mouth	18 4 1		
Fog-signals, cartridges, and maintenance	658 2 7		
Gas and fuel for offices	18 15 2		
Grants,—			
For fishermen's boat-slip, Kaikoura	29 0 0		
For wharf, Batley, Kaipara	118 16 4		
For repairs, Paparoa River wharf	73 18 2		
For repairs to old wharf, Kaikoura	15 0 0		
Grant towards cost of boat-slip, Lake Brunner	118 15 0		
Irrecoverable fees for survey of oil-launches	10 10 0		
"New Zealand Nautical Almanac"	465 12 2		
Office equipment	41 3 2		
Postage, telegrams, rent of boxes	817 8 10		
Preparation of tide-tables	550 0 0		
Printing and stationery	993 10 9		
Prosecutions under Shipping, Harbours, and Fisheries Acts	51 11 5		
Relief of distressed seamen	4 13 0		
Relief of distressed New Zealand seamen in United Kingdom	5 5 0		
Renewal of East Cape cable	910 14 1		
Repairs to Awhitu Wharf	250 0 0		
Repairs to fishermen's wharf, Helensville	190 0 0		
Subsidies for—			
Mangonui Wharf repairs (£1 for £1)	150 0 0		
Repairing wharf, Russell (£1 for £1)	87 17 0		
Superannuation of R. C. Hunter, injured on "Tutanekai"	52 10 0		
Survey of unseaworthy ships	33 9 0		
Survey of site for fishermen's landing-place, Waikanae	30 0 0		
Telephones	99 18 3		
Travelling allowances and expenses	50 14 6		
Contingencies	81 18 4		
Aquarium, Newtown Park	1 2 6		
Miranda Wharf	3 2 3		
Auckland Ferries Commission	95 8 3		
Morse signals at lighthouses	5 11 6		
		8,528 18 1	
Less credits		510 18 4	
			8,017 19 9
Grand total			£86,873 6 2

RETURN SHOWING TOTAL COST OF MAINTENANCE OF THE NEW ZEALAND COASTAL LIGHTHOUSES DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1916.

Name of Lighthouse.	Salaries.	Oil consumed.		Stores and Contingencies.	Totals.
		Gallons.	Value.		
	£ s. d.		£ s. d.	£ s. d.	£ s. d.
Cape Maria van Diemen	394 1 10	695*	37 12 11	126 11 2	558 5 11
Cape Brett	395 12 6	646*	34 19 10	143 2 10	573 15 2
Mokohinou	370 9 6	837†	69 15 0	169 12 2	609 16 8
Tiritiri	307 10 0	452† 120*)	44 3 4	100 6 0	451 19 4
Ponui Passage†	95 10 10	87†	7 5 0	18 2 9	120 18 7
Cuvier Island	362 16 5	683*	36 19 11	84 18 11	484 15 3
East Cape	358 17 1	744†	62 0 0	150 12 2	571 9 3
Portland Island	408 5 10	793†	66 1 8	61 2 3	535 9 9
Napier Bluff	20 0 0	Gas	7 3 6	11 2 2	38 5 8
Castlepoint	421 13 4	445*	24 2 1	82 10 2	528 5 7
Cape Palliser	280 16 8	677*	36 13 5	78 19 8	396 9 9
Pencarrow Head	324 1 5	661*	35 16 1	81 13 5	441 10 11
Somes Island	299 3 4	721†	60 1 8	(a) 78 10 0	437 15 0
Cape Egmont	320 0 0	658*	35 12 10	(b) 188 13 9	544 6 7
Manukau South Head	280 17 6	710†	59 3 4	(c) 149 9 10	489 10 8
Manukau South Head leading-lights		92†	7 13 4		7 13 4
Kaipara Head	267 7 4	519†	43 5 0	(d) 186 1 2	496 13 6
Brothers	519 2 4	626*	33 18 2	109 10 9	662 11 3
Tory Channel leading-lights	100 0 0	169†	14 1 8		114 1 8
Cape Campbell	224 14 11	594*	32 3 6	221 11 7	478 10 0
Godley Head	286 13 4	670†	55 16 8	59 2 8	401 13 8
Akaroa Head	249 13 3	82* 361†	34 10 6	145 11 1	429 14 10
Jack's Point	174 11 8	305*	16 10 5	38 6 10	229 8 11
Moeraki	242 1 8	554†	46 3 4	96 16 2	385 1 2
Taiaroa Head	286 13 4	604†	50 6 8	(e) 161 3 5	498 3 5
Cape Saunders	248 1 11	645*	34 18 9	152 2 5	435 3 1
Nugget Point	330 6 8	726*	39 6 6	167 15 4	537 8 6
Waipapapa Point	277 13 0	670*	36 5 10	79 15 3	393 14 1
Dog Island	409 9 0	696†	58 0 0	110 15 1	578 4 1
Centre Island	430 0 5	572*	30 19 8	148 0 10	609 0 11
Puysgur Point	363 9 1	704*	38 2 8	127 13 6	529 5 3
Cape Foulwind	273 15 0	564†	47 0 0	63 0 6	383 15 6
Hokitika	20 0 0	Gas	13 6 0		33 6 0
Kahurangi Point	425 19 0	912†	76 0 0	(f) 208 5 6	710 4 6
Farewell Spit	415 16 8	611*	33 1 11	148 13 11	597 12 6
Nelson§	229 8 0	143†	11 18 4	24 0 8	265 7 0
French Pass	130 0 0	179†	14 18 4	(g) 60 0 9	204 19 1
Stephen Island	433 15 0	729*	39 9 9	267 10 0	740 15 7
Totals	10,978 7 10		1,425 7 7	4,101 5 6	16,505 0 11

* Kerosene-oil. † Paraffin-oil. ‡ Converted to automatic on 29/1/16. § Converted to automatic on 1/12/15.

(a) Includes £42 3s. for repairs to dwelling. (b) Includes £103 for new cowl. (c) Includes £99 for new cowl. (d) Includes £32 18s. 4d. for new washhouse. (e) Includes £32 13s. 6d. for new landing-store. (f) Includes £75 for packing-stores. (g) Includes £37 0s. 7d. for new washhouse.

RETURN SHOWING NUMBER OF FISHING-BOATS REGISTERED AND LICENSED AT EACH PORT DURING THE YEAR ENDED 31ST DECEMBER, 1915.

Port.	Number registered.	Number licensed.	Port.	Number registered.	Number licensed.
Auckland	388	216	Brought forward	1,056	884
Bluff	70	70	New Plymouth	21	21
Chatham Islands	14	14	Oamaru	34	34
Dunedin and Port Chalmers	94	94	Pictou	26	26
Greymouth	6	6	Poverty Bay	17	17
Hokianga	26	26	Rangiora	14	14
Hokitika	1	1	Russell	75	75
Invercargill	44	44	Southbridge	11	11
Kaipara	54	54	Tauranga	41	41
Kaipoi	40	40	Thames	60	60
Karamea	3	3	Timaru	27	27
Kawhia	5	5	Wairau	12	12
Lyttelton	174	174	Wanganui	17	17
Napier	65	65	Wellington	73	73
Nelson	72	72	Westport	18	18
Carried forward	1,056	884	Totals	1,502	1,330

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
Mokohiou	8,186 5 0
Waipapapa Point	5,969 18 11
Ponui Passage‡ .. .. .	.. .. .
Kaipara Head	5,571 8 0
French Pass	1,427 17 5
Cuvier Island	7,406 16 11
Stephens Island	9,349 9 11
Cape Palliser	6,243 16 1
East Cape	7,594 8 8
Kahurangi Point	9,528 1 1
Jack's Point	1,204 10 9
Cape Brett	11,237 3 5
Castle Point	9,703 16 10
Chicken Island	1,149 3 4
Channel Islet	1,227 7 8
Karori Rock	4,570 6 1
Cost of telegraph-cable to Tiritiri	1,085 19 6
Miscellaneous and unallocated	1,322 2 2
Total	£220,110 12 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, 1916.

Nature of Receipts.	Amount.
	£ s. d.
Shipping and Seamen Acts :—	
Fees for engagement and discharge of seamen, and sale of forms	4,010 15 9
Surveys of steamers and sailing-vessels	2,853 10 0
Measurement of ships	12 11 0
Examination of masters, mates, and engineers	365 12 6
Light dues	35,527 0 8
Sundry receipts	925 3 9
Merchant Shipping Act	92 16 0
Harbours Acts :—	
Pilotage, port charges, &c.	1,227 4 1
Foreshore rents, and sundry receipts	1,213 4 10
Fisheries Acts :—	
Sale of oysters	6,714 18 6
Sundry receipts	360 12 6
Inspection of Machinery Acts :—	
Inspection of boilers and machinery	13,579 17 8
Examination of engine-drivers	466 2 6
Tramways Acts :—	
Examination of electric-tram drivers	83 0 0
Total	£67,432 9 4

RETURN SHOWING THE AMOUNT OF LIGHT DUES
COLLECTED DURING THE FINANCIAL YEAR
ENDED 31ST MARCH, 1916.

Port.	Amount collected.
	£ s. d.
Auckland	13,411 3 7
Onehunga	110 14 7
Whangarei	533 11 3
Russell	36 19 2
Mangonui	0 11 6
Whangaroa	24 0 1
Hokianga	24 8 8
Whitianga	11 8 10
Whangape	0 13 8
Kaipara	49 13 0
Whangaparapara	1 7 10
Thames	70 17 3
Coromandel	9 2 1
Tauranga	60 17 1
Poverty Bay	880 9 5
Napier	904 13 10
New Plymouth	235 0 0
Waitara	314 19 0
Patea	21 9 11
Wanganui	326 1 9
Wellington	9,733 3 11
Wairau	16 6 8
Picton	497 1 9
Nelson	487 13 8
Westport	474 15 6
Greymouth	371 5 9
Hokitika	2 13 4
Lyttelton	3,130 14 10
Timaru	696 16 10
Oamaru	239 10 11
Dunedin	1,215 15 10
Bluff and Invercargill	1,635 12 6
Total	£35,529 14 0

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, 1916.

Port.	Engagements and Discharges in Foreign and Intercolonial Trade.				Engagements and Discharges in Home Trade.				Engagements and Discharges in Restricted Limits.				Total Engagements.		Total Discharges.		Grand Totals.	
	Number of Seamen engaged.	Fees received.	Number of Seamen discharged.	£ s. d.	Number of Seamen engaged.	Fees received.	Number of Seamen discharged.	£ s. d.	Number of Seamen engaged.	Fees received.	Number of Seamen discharged.	£ s. d.	Number of Seamen.	Fees received.	Number of Seamen.	Fees received.	Number of Seamen.	Fees received.
Auckland	2,395	172 11 6	2,072	150 11 6	2,940	190 17 0	2,901	191 19 0	509	30 17 6	537	32 14 6	5,844	394 6 0	5,510	375 5 0	11,354	769 11 0
Dunedin and Port Chalmers	3,067	82 16 0	2,303	60 9 6	1,164	81 8 0	1,249	83 17 6	..	..	..	..	4,231	164 4 0	3,552	144 7 0	7,783	308 11 0
Greytown	80	6 0 0	63	4 14 6	190	13 11 0	102	7 8 0	..	..	..	..	270	19 11 0	165	12 2 6	435	31 13 6
Hokitika	4	0 6 0	5	0 7 6	17	1 0 0	15	0 17 0	..	..	..	..	21	1 6 0	20	1 4 6	41	2 10 6
Hokitika	61	4 11 6	25	1 17 6	16	1 0 1 6	1	0 1 6	..	..	..	..	1	0 1 6	1	0 1 6	2	0 3 0
Invercargill	9	0 13 6	5	0 7 6	8	0 7 0	31	1 12 6	..	..	..	..	77	5 12 6	35	2 9 6	112	8 2 0
Kaipara	649	44 8 0	545	40 8 0	1,089	90 7 6	1,219	94 5 0	..	..	..	..	1,738	134 15 6	1,764	134 13 0	3,502	269 8 6
Lyttelton	24	1 16 0	15	1 2 6	306	16 15 0	325	18 2 0	78	4 19 0	82	5 6 6	408	23 10 0	422	24 11 0	830	48 1 0
Napier	6	0 9 0	2	0 3 0	514	30 5 6	454	25 15 6	..	..	..	..	520	30 14 6	456	25 18 6	976	56 13 0
Nelson	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Plymouth	14	1 1 0	7	0 10 6	7	0 10 6	4	0 6 0	..	..	..	..	21	1 11 6	11	0 16 6	32	2 8 0
Oamaru	6	0 9 0	5	0 7 6	503	32 2 6	497	31 13 6	..	..	..	..	509	32 11 6	502	32 1 0	1,011	64 12 6
Onehunga	..	..	..	..	44	2 18 0	7	0 10 6	..	..	..	..	44	2 18 0	7	0 10 6	51	3 8 6
Patea	12	0 18 0	7	0 10 6	11	0 16 6	11	0 16 6	..	..	..	..	23	1 14 6	18	1 7 0	41	3 1 6
Pieton	12	0 18 0	3	0 4 6	119	7 11 6	57	3 6 0	..	..	..	..	131	8 9 6	60	3 10 6	191	12 0 0
Poverty Bay	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Russell	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tauranga	..	..	..	..	1	0 1 6	1	0 1 6	..	..	..	..	1	0 1 6	1	0 1 6	2	0 3 0
Thames	..	..	..	..	8	0 7 0	7	0 5 6	..	..	..	..	8	0 7 0	7	0 5 6	15	0 12 6
Timaru	75	5 12 6	72	5 8 0	50	3 15 0	25	1 17 6	..	..	..	..	125	9 7 6	97	7 5 6	222	16 13 0
Wairau	..	..	..	..	14	0 13 6	15	0 13 6	..	..	..	..	14	0 13 6	15	0 13 6	29	1 7 0
Wanganui	15	1 2 6	8	0 12 0	94	6 1 6	94	6 1 6	..	..	..	..	109	7 4 0	102	6 13 6	211	13 17 6
Wellington	3,852	192 10 0	3,245	178 3 6	4,581	308 18 6	4,624	305 3 6	..	..	..	..	8,433	501 8 6	7,869	483 7 0	16,302	984 15 6
Westport	95	6 18 0	54	3 16 6	129	9 3 6	74	5 4 0	..	..	..	..	224	16 1 6	128	9 0 6	352	25 2 0
Whangarei	..	..	..	..	18	0 18 0	17	0 16 0	..	..	..	..	18	0 18 0	17	0 16 0	35	1 14 6
Whangaroa	2	0 3 0	..	..	2	0 3 0	1	0 1 6	..	..	..	..	4	0 6 0	1	0 1 6	5	0 7 6
Whangape	3	0 4 6	1	0 1 6	..	..	..	..	..	..	..	..	3	0 4 6	1	0 1 6	4	0 6 0
Whitianga	1	0 1 6	..	..	..	..	..	..	..	..	..	..	1	0 1 6	1	0 1 6	2	0 3 0
Totals	10,382	523 9 6	8,437	449 16 0	11,826	799 14 0	11,742	781 9 0	587	35 16 6	619	38 1 0	22,795	1,359 0 0	20,798	1,269 6 0	43,593	2,628 6 0

**RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1916.**

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Selwyn Athol Chatfield	Master	Foreign trade	7 April, 1915	1128
Ernest Anton Stein	"	"	29 June,	1249
Robert Erwin	"	"	9 July,	1250
William Gardiner	"	"	4 Jan., 1916	1258
Joseph William Cameron	"	"	6 Aug., 1915	1107
Jack Reginald Grey	"	"	29 Mar., 1916	1261
Robert Everett Price	First mate	"	17 July, 1915	1251
George Mason	"	"	4 Oct.,	1252
William Charles Hugh Watt	"	"	15	1253
Mariner Tucker Holm	"	"	18	1225
William Whitefield	"	"	18	1188
William Robertson	"	"	10 Nov.,	1254
Herbert Clarkson White	"	"	7 Dec.,	1256
Eric Douglas Hay	"	"	4 Jan., 1916	1200
Francis Wallace Collins	"	"	15 Feb.,	1212
George William Godfrey	"	steam	21 April, 1915	1197
John Arnold	"	"	21 May,	1201
Alexander Forson	"	"	4 June,	1247
John William Murray	"	"	15 Oct.,	1198
Edward Henry	"	"	23 Nov.,	1231
Robert Blair Denniston	Second mate	"	7 April,	1239
Arthur William Coles	"	"	7	1240
Harold Donald	"	"	7	1241
William Aylward	"	"	7	1242
William Robert Percy	"	"	21	1244
Ralph Thomas Ingram	"	"	21	1245
Arthur Franklin	"	"	4 June,	1246
Douglas Eric Bradney	"	"	14	1248
James John Smith	"	"	30 Dec.,	1257
William John Keane	"	"	4 Jan., 1916	1259
Robert Gardner	"	steam	7 April, 1915	1243
Cecil Sharpe	"	"	11 Nov.,	1255
Ernest Colin Nelson	"	"	15 Feb., 1916	1260
Bert Burk	Master	Home trade	6 May, 1915	5794
William Gash	"	"	26 July,	5801
Charles William Coldicutt	"	"	1 Sept.,	5756
John Sydney Herbert Hall	"	"	4 Oct.,	5778
James John Smith	"	"	3 Nov.,	5760
William John Jones	"	"	23	5713
James Robert Kennedy	"	"	30 Dec.,	5807
John Rhys Owen	"	"	8 Feb., 1916	5808
John Beaton	"	"	8	5768
John Harrieh	"	"	8	5736
Amos Mathew George Taylor	"	"	16 Mar.,	5767
Archibald Robertson	"	"	16	5747
Henry John Bourke	"	"	28	5775
Stephen Kerridge	Mate	"	7 April, 1915	5791
Leonard William Crowe	"	"	6 May,	5792
Sydney William Lane	"	"	6	5793
James Salter Wiltshire	"	"	21	5795
Alexander Maclean	"	"	14 June,	5796
Henry Leslie Hay	"	"	29	5797
William Thomas Drinkwater	"	"	29	5798
Percy Charles Williams	"	"	29	5799
Albert George Baggett	"	"	9 July,	5800
James Drummey	"	"	17 Sept.,	5802
Christian John Anderson	"	"	4 Oct.,	5803
Robert Sidney Tulley	"	"	17 Nov.,	5804
Charles Stephens	"	"	24	5805
William Ernest John Harvey	"	"	7 Dec.,	5806
John McLachlan	"	"	15 Feb., 1916	5809
James Clark	"	"	15	5810
Thomas Walter Inkster	"	"	24	5811
Haakon Nikolai Hansen	"	"	24	5812
William Henry Simpson	"	"	24	5813
George Simpson	"	"	16 Mar.,	5814
Andrew Brodie	"	"	22	5815
Robert Moneriff	"	"	28	5816
Frederick John Allen	"	"	28	5817
Richard Renata Rapata Rutledge	"	"	28	5818
Thomas Edwin Jackson	Master	River steamer	21 April, 1915	3686
John Robert Peters	"	"	6 May,	3687
William Alexander Henderson Garden	"	"	21	3688
Thomas Matthew Nicholson	"	"	29 June,	3689
William Brown	"	"	29	3690
John MacDonald	"	"	1 Sept.,	3691
James Patrick Mullins	"	"	20 Oct.,	3692
Charles Basil Norton	"	"	23 Nov.,	3693
William Francis Hickman	"	"	15 Feb., 1916	3694
Thomas Walter Inkster	"	"	13 Mar.,	3695
Humphrey Clopton Hovell Thurlow	"	"	28	3696

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1916—continued.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Percy Charles Williams	Master	Fishing - boat, or cargo-vessel under 25 tons register	29 June, 1915 ..	69
William Arthur Painter D'Oridant	"	Ditto	26 July,	70
Ernest Beaver	"	"	2 Nov.,	71
George Couldrey	"	"	2 "	72
John Grubb Munro	"	"	23 "	73
William Frederick Knight	"	"	4 Jan., 1916 ..	74
John Malcolm McKinnon	"	"	16 Mar.,	75
John Spencer Cork	"	"	28 "	76
George Lowry Timms	1st-class engineer ..	Foreign trade ..	13 May, 1915 ..	1796
Thomas Beverley Rutter	"	"	13 "	959
Gordon Everard Dickey	"	"	6 Aug.,	1290
William Thomas	"	"	4 Oct.,	1200
Jack Dunbar Townsend	"	"	15 "	1830
James Tennick Dennison	"	"	2 Nov.,	868
William Cameron Ferguson	"	"	10 "	1458
Neil John McMurich	"	"	10 "	1228
Gordon Maxton Rennie	"	"	10 "	919
Horace Park Matheson	"	"	7 Dec.,	1388
Thomas Fogarty	"	"	8 Feb., 1916 ..	1171
Walter Sommerville	"	"	31 Mar.,	1161
Charles Robert Bignell	2nd-class engineer ..	"	14 June, 1915 ..	1340
Charles Buchan	"	"	7 July,	1277
Archibald Walker	"	"	7 "	1534
Donald McBean	"	"	4 Aug.,	1181
Alfred Duncan Shearer	"	"	6 "	1485
Laurance Arthur Calvert	"	"	4 Oct.,	1619
Alexander Williamson	"	"	15 "	1606
John McLean	"	"	15 "	1183
Ray Nathaniel Gow	"	"	10 Nov.,	1589
Frederick Charles Gow	"	"	10 "	1558
William Gillies	"	"	10 "	1548
James Alexander Cowan	"	"	7 Dec.,	1700
Donald Kerr Young	"	"	6 Jan., 1916 ..	1617
George Watson Fraser	"	"	8 Feb.,	1529
Peter David Dalgleish	"	"	8 "	1655
Douglas Lodder Mowatt	"	"	16 Mar.,	1620
Harry Anthony Davies	"	"	16 "	1676
Vincent Lionel Binns	3rd-class engineer ..	"	7 April, 1915 ..	1779
Alan Howard Booker	"	"	10 May,	1780
Roy Manico Coulthard	"	"	10 "	1781
Robert Archibald Denniston	"	"	10 "	1782
Harold Pike	"	"	10 "	1783
Richard Randolph Bramley	"	"	10 "	1784
Walter Alfred Partridge	"	"	10 "	1785
William Stanley Hill	"	"	12 "	1786
Ernest William Jones	"	"	13 "	1787
James Patrick Neville	"	"	13 "	1788
Charles Archibald Couch	"	"	13 "	1789
Richard Frederick Andrews	"	"	13 "	1790
Robert Longton Jones	"	"	13 "	1791
Jack Huia Tennent	"	"	13 "	1792
Alexander Rose Johnston	"	"	13 "	1793
Percy James Lister	"	"	13 "	1794
Bazilius De Bakker Gates	"	"	13 "	1795
Cleveland Bidmead	"	"	13 "	1797
Ernest Percival Andrews	"	"	13 "	1798
Arthur Beckwith	"	"	14 June,	1799
Ernest Clyde Fowler	"	"	3 July,	1800
Charles McLean Smith	"	"	3 "	1801
Francis Roseingrave Harvey	"	"	3 "	1802
Thomas Stuart Scott	"	"	3 "	1803
Thomas William Jenkins	"	"	3 "	1804
Gilbert Marcellus Monaghan	"	"	3 "	1805
James Gordon Macdonald	"	"	3 "	1806
Philip Thornicroft Middleditch	"	"	7 "	1807
William James McGrath	"	"	7 "	1808
Herbert Harold Barrs	"	"	7 "	1809
Stanley Edward Buchanan	"	"	7 "	1810
Robert George Fraser	"	"	7 "	1811
William Henry Arnold	"	"	7 "	1812
Charles England Falkner	"	"	7 "	1813
Cedric Alfred Hunter	"	"	7 "	1814
Arthur Alfred Lepine	"	"	7 "	1815
Bruce McLeod Grant	"	"	7 "	1816
David Hannah Beattie	"	"	9 "	1817
Clarence Ernest Martin	"	"	9 "	1818
Henry Alexander McGregor	"	"	26 "	1819
Hermann Joachim Masemann	"	"	4 Aug.,	1820
John Leslie Fairbairn	"	"	4 "	1821
Percy Harvey Vivian Griffin	"	"	4 "	1822
Roy Robert Campbell	"	"	4 "	1823
Robert Henry Wilson	"	"	15 Sept.,	1824
Ernest Henry Nottingham	"	"	17 "	1825
Andrew Langmuir Smith	"	"	17 "	1826
Francis James Roche	"	"	17 "	1827

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1916—*continued.*

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No
William McIntosh Sly	3rd-class engineer ..	Foreign trade ..	4 Oct., 1915 ..	1828
Walter Alexander Cairns	" ..	" ..	4 " ..	1829
Hugh Wood Gordon Park	" ..	" ..	15 " ..	1831
Albert George Turvey	" ..	" ..	15 " ..	1832
William Anderson	" ..	" ..	15 " ..	1833
Matthew Crawford	" ..	" ..	15 " ..	1834
Robert Aitchison Stuart Pieken	" ..	" ..	28 " ..	1835
St. John Neels	" ..	" ..	10 Nov., ..	1836
George Alexander McGregor	" ..	" ..	10 " ..	1837
Walter Earnest Sanders	" ..	" ..	10 " ..	1838
Alexander Gillespie	" ..	" ..	19 " ..	1839
Frank Walter Cocks	" ..	" ..	10 " ..	1840
Harold George Waddell	" ..	" ..	10 " ..	1841
William Charles Falconer	" ..	" ..	10 " ..	1842
Leonard Charles Smart	" ..	" ..	10 " ..	1843
Allan Gordon Stewart	" ..	" ..	7 Dec., ..	1844
John Robert Cameron	" ..	" ..	7 " ..	1845
Alfred Nicholas Blackwell Smith	" ..	" ..	7 " ..	1846
Davis Cross Galbraith	" ..	" ..	7 " ..	1847
James John McKeegan	" ..	" ..	7 " ..	1848
Percival David George Williams	" ..	" ..	7 " ..	1849
Robert Charles Waters	" ..	" ..	30 " ..	1850
Charles Gordon Mitchell	" ..	" ..	8 Feb., 1916 ..	1851
Hugh James Houston	" ..	" ..	8 " ..	1852
Cyril Arthur William Halligan	" ..	" ..	8 " ..	1853
Walter Roland Cole	" ..	" ..	8 " ..	1854
Alexander Garland Wilson	" ..	" ..	8 " ..	1855
William James Williamson	" ..	" ..	8 " ..	1856
Reo Hemi Gower Chambers	" ..	" ..	8 " ..	1857
Charles Edward Sherratt	" ..	" ..	8 " ..	1858
John Lawrie	" ..	" ..	8 " ..	1859
Chalmers William Thomson	" ..	" ..	8 " ..	1860
John Hall	" ..	" ..	8 " ..	1861
Charles George McKechnie	" ..	" ..	8 " ..	1862
Thomas Denis Joseph O'Leary	" ..	" ..	8 " ..	1863
Archibald Barton MacArthur	" ..	" ..	8 " ..	1864
Oscar Edinburgh Chamberlin	" ..	" ..	16 Mar., ..	1865
Jack Leo Brown	" ..	" ..	31 " ..	1866
Frederick Lewis Gilray	Engineer ..	River trade ..	7 April, 1915 ..	2231
Stewart Daykin Litchfield	" ..	" ..	13 May, ..	2232
William John Kirker	" ..	" ..	13 " ..	2233
George Harold Thrower	" ..	" ..	13 " ..	2234
Ernest Rhind	" ..	" ..	13 " ..	2235
Robert James Boyd	" ..	" ..	14 June, ..	2236
Thomas James Barnes	" ..	" ..	29 " ..	2237
John Henry Adams	" ..	" ..	3 July, ..	2238
Joseph Dooley	" ..	" ..	3 " ..	2239
Sydney Herbert Delap Godfrey	" ..	" ..	7 " ..	2240
Ernest Edward Parker	" ..	" ..	6 Aug., ..	2241
George Hardie	" ..	" ..	15 Oct., ..	2242
Joseph Alfred Anderson	" ..	" ..	10 Nov., ..	2243
David Reid	" ..	" ..	2 " ..	2244
James McVie	" ..	" ..	7 Dec., ..	2245
John Alexander Falconer	" ..	" ..	7 " ..	2246
Andrew Jacob Haub	" ..	" ..	6 Jan., 1916 ..	2247
John Nixon	" ..	" ..	10 " ..	2248
Peter Reid	" ..	" ..	10 " ..	2249
Robert John Davidson	" ..	" ..	8 Feb., ..	2250
Victor John Joseph Bice	" ..	" ..	8 " ..	2251
Joseph John Henry Jenkins	" ..	" ..	16 Mar., ..	2252
William Richard Meyrick	" ..	" ..	31 " ..	2253
Henry Samuel Lowther	Marine-engine driver ..	" ..	4 Oct., 1915 ..	157
Edwin Knewstubb	1st-class oil engineer ..	Seagoing ..	7 April, ..	236
Bruce McLeod Grant	" ..	" ..	13 May, ..	221
George Wilson Tinning	" ..	" ..	14 June, ..	241
Alfred Torea Grundy	" ..	" ..	7 July, ..	245
John McAllan Eadie	" ..	" ..	20 " ..	96
Reginald Edward Jefferies Scott	" ..	" ..	17 Sept., ..	140
William James Pollock	" ..	" ..	18 Oct., ..	173
Frederick William Brown	" ..	" ..	22 " ..	250
Fossy Harry Tackaberry	" ..	" ..	16 Mar., 1916 ..	254
William David Ballard	" ..	" ..	16 " ..	255
Leslie William Wright	2nd-class engineer ..	" ..	7 April, 1915 ..	237
Henry Burnett Jones	" ..	" ..	10 May, ..	238
James Archer	" ..	" ..	13 " ..	239
Lewis Allan O'Neil	" ..	" ..	13 " ..	240
Alfred John Thompson	" ..	" ..	14 June, ..	242
Ambrose Ashley Houtt	" ..	" ..	14 " ..	243
Alexander Anderson Hall	" ..	" ..	3 July, ..	244
David Edward Scott	" ..	" ..	1 Sept., ..	246
Reginald Arthur Leyland	" ..	" ..	17 " ..	247
John McCarthy	" ..	" ..	17 " ..	248
Cyril Wade Cory Wright	" ..	" ..	17 " ..	249
Stewart Dakin Litchfield	" ..	" ..	10 Nov., ..	251
Peter James Hughes	" ..	" ..	10 Jan., 1916 ..	251A
Andrew Jacob Haub	" ..	" ..	8 Feb., ..	252
Alec Christopher Thompson	" ..	" ..	8 " ..	253

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1916—*continued.*

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Charles Bennett	River oil engineer ..	River trade ..	7 April, 1915 ..	524
Ernest Charles Herbert Wendel	7	525
Arthur Reginald Suter Holloway	21	526
Roberta Pentland Beeve	10 May,	527
Ralph Sample Darraek	10	528
Albert John Davison	10	529
William James Lever	10	530
Alfred James Rhind	10	531
Lawrence William Pook	10	532
William George Pitcher	10	533
Thomas Wikero Reo	10	534
Harry Turner	13	535
Joseph William Nelder	13	536
John Pringle	13	537
Charles Frederick Shaw	13	538
Jessie May Fowler	13	539
Frederick Ernest Le Grice	13	540
Fred Stanley Worsnop	13	541
Harry Clenton McElwain	13	542
Alfred Vivian Subritzky	13	543
Charles Oscar Baker	13	544
John McLoughlin	24	545
Henry Mitchell	14 June,	546
Thomas Clark	14	547
Nathan McDowell	29	548
John Vere Addis	7 July,	549
Raymond Josiah Andrews	7	550
Walter Fowler	7	551
Maurice Charles Derbidge	7	552
Frederick Harold Wigg	7	553
Vivian Cecil Park McIlveen	7	554
Harry Speed	7	555
Robert Frederick Martin	7	556
Samuel Calvert Young	7	557
Edwin Moanaroa Howe	7	558
Thomas Barraclough Freeman	7	559
Herbert Lynn Henwood	7	560
William Kiore	16	561
Andrew Clarke Drever	16	562
William Charles Spratt	16	563
William Godfrey McNabb	26	564
Ridley Whitefield	31	565
Douglas Lees	31	566
Bernhard Christian Therien Schrader	12 Aug.,	567
Elizabeth Mary Ryan	17 Sept.,	568
Lyndsay Keith Ewen	17	569
Henry Francis Hartley	17	570
John Macha Lockwood	17	571
John Joseph Thomson	17	572
Thomas Graham Bryan	17	573
Harold Guy Wood	17	574
Robert Francis Harrison	17	575
John Riini	24	576
Nathaniel Dixon	4 Oct.,	577
Ruka Herewini	4	578
Walter Bailey	4	579
Charles Ernest Beachen	19	580
Henry Burton Gardner	23	581
Joseph Herbert Bowler	10 Nov.,	582
William Maximilian Kayser	10	583
George Chisholm Hunter	7 Dec.,	584
Frank Nelson	7	585
Welby Clark Stilwell	30	586
Harold Thomas Lovell	5 Jan., 1916 ..	587
Russell John Ricketts	6	588
Cyril Thomson Reyburn	6	589
Thomas Sparrow Carmichael	6	590
Norman George Stone	10	591
James Cox Laing	10	592
Norman Edward Smith	10	593
Albert Edward Birss	10	594
George Ernest Billings	10	595
Frederick Freeman Porter	10	596
Joseph Frederick Keely	10	597
William McCarthy	10	598
Sydney Christopher Brown	8 Feb.,	599
Cedric George Austin	8	600
Albert Victor Pearce	15	601
Norman Alfred Clifton	28	602
Humphrey Clopton Hovell Thurlow	28	603
Charles Haddell Chavannes	16 Mar.,	604
Edward Ernest Burgess	16	605
William Gover Dudding	16	606
Albert Whalley	16	607
Edward Major Gibbs	16	608
Bert Wood	31	609
Louis Barrowman	31	610
Jacob Haimona	31	611

RETURN SHOWING THE NUMBER OF MASTERS', MATES', AND ENGINEERS' EXAMINATIONS IN NEW ZEALAND DURING THE YEAR ENDED 31ST MARCH, 1916, 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	12	13	25	8	10	18	7	6	13	6	8	14	..	..	..	33	37	70
Home-trade masters and mates	14	12	26	12	10	22	8	2	10	3	..	3	..	..	..	37	24	61
River-steamer masters ..	3	1	4	4	3	7	..	..	..	1	..	1	3	2	5	11	6	17
Master, fishing-boat or cargo-vessel under 25 tons register	5	..	5	2	3	5	..	..	..	1	..	1	..	..	..	8	3	11
Seagoing engineers (steam)	32	6	38	29	4	33	11	1	12	24	1	25	23	2	25	119	14	133
River-steamer engineers ..	7	4	11	4	..	4	1	..	1	4	1	5	7	1	8	23	6	29
Marine engine drivers ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Seagoing engineers (mechanical power other than steam)	15	6	21	1	..	1	1	..	1	1	1	2	7	2	9	25	9	34
River engineers (mechanical power other than steam)	49	5	54	..	..	..	2	1	3	2	..	2	35	3	38	88	9	97
Totals ..	138	47	185	60	30	90	30	10	40	42	11	53	75	10	85	345	108	453

RETURN OF CERTIFICATES OF EXEMPTION FROM EXAMINATION AS THIRD-CLASS ENGINEERS ISSUED DURING THE YEAR ENDED 31ST MARCH, 1916.

Date of Issue.	Name.	Date of Issue.	Name.
8 April, 1915 ..	Hiram Woodley.	25 August, 1915 ..	Stuart Anderson Preston.
19 June, 1915 ..	Duncan Forrest Bauchop.	18 February, 1916 ..	Francis Malcolm Corkill.

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, 1916.

No. of License.	Date of Issue.	Name of Licensee.	Port of Residence.	Date of Expiry of License.
43	7 Oct., 1915	Felix Black	Wellington	8 Oct., 1916.
45	1 Feb., 1916	John Grant	Onehunga	3 April, 1917.
47	9 March, 1915	Richard Edward Smith	Auckland	30 Oct., 1916.
49	7 Jan., "	William Andrew Smith	Wellington	19 Jan., 1917.
51	31 Aug., "	George Lambert	"	31 Aug., 1916.

RETURN OF LICENSED ADJUSTERS OF COMPASSES IN NEW ZEALAND.

Date of Issue.	Name of Licensee.	Address.
9 April, 1896	Frederick Macbeth	Dunedin.
15 May, "	Robert Strang	"
5 " "	George Urquhart Thomson	"
27 April, 1897	Frederick William Cox	Nelson.
27 May, "	Thomas Fernandez	Auckland.
1 Sept., "	Arthur G. Gifford	Wellington.
13 Aug., 1898	Herbert John Richardson	"
26 April, 1899	Robert Heddleston Neville	"
26 June, 1900	Charles Frederick Sundstrum	Dunedin.
27 July, "	John Adamson	Auckland.
27 Nov., "	Thomas Basire	Port Chalmers.
27 March, 1903	George Samuel Hooper	Wellington.
19 Oct., "	John McLennon McKenzie	"
1 Nov., 1906	Frederick Pryce Evans	Dunedin.
6 Feb., 1907	David Todd	"
22 " 1909	Norman Macdonald	Bluff.
28 May, "	Charles Cornelius Plunket	Auckland.
23 Oct., "	Robert Crawford	Wellington.
19 June, 1911	Frederic George Cooper	"
16 Nov., "	Major William Solloway Lane	Totara North.
3 " 1913	Cesar Anthony Colonna	Christchurch.
27 Nov., 1914	John Jonathan Elven	"
10 Feb., 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, 1914; OF THOSE ADDED TO AND DEDUCTED FROM THE REGISTER DURING THE YEAR 1915; AND OF THOSE REMAINING ON THE REGISTER ON THE 31ST DECEMBER, 1915.

	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, 1914	197	22,714	20,984	384	135,838	77,901	581	158,552	98,885
Added to the Register,—									
Vessels registered for the first time—									
Built at ports in United Kingdom	..	..	..	1	505	247	1	505	247
Built at ports in British possessions abroad	..	..	..	12	556	299	12	556	299
Purchased from foreigners	..	..	..	1	892	523	1	892	523
Vessels transferred from ports in the United Kingdom	..	..	..	..	..	..	..	..	..
Vessels transferred from ports in British possessions abroad	2	1,574	1,457	1	188	129	3	1,762	1,586
Vessels registered <i>de novo</i> ..	1	27	21	..	..	..	1	27	21
Other vessels	1	15	12	..	..	..	1	15	12
Tonnage added without re-registration	..	..	..	..	8	14	..	8	14
Total added	4	1,616	1,490	15	2,149	1,212	19	3,765	2,702
Deducted from the Register,—									
Vessels wrecked or otherwise lost	1	98	98	2	292	168	3	390	266
Vessels broken up, decayed, &c.	1	205	176	1	8	6	2	213	182
Vessels converted into hulks, &c.	..	..	..	1	269	119	1	269	119
Vessels used as lighters, &c.	..	..	..	..	..	..	..	..	..
Vessels transferred to ports in the United Kingdom	..	..	..	2	4,983	3,234	2	4,983	3,234
Vessels transferred to ports in British possessions	2	281	257	4	5,803	3,651	6	6,084	3,908
Vessels registered <i>de novo</i> ..	1	190	171	1	27	15	2	217	186
Tonnage deducted without re-registration	..	10	10	..	5	29	..	15	39
Errors in Registrar's returns	..	..	..	..	..	166	..	..	166
Other vessels	..	..	..	3	51	30	3	51	30
Total deducted	5	784	712	14	11,438	7,418	19	12,222	8,130
Remaining on the Register on the 31st December, 1915	196	23,546	21,762	385	126,549	71,695	581	150,095	93,457

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, 1915.

Ports.	Sailing-vessels.			Steam-vessels.			Totals.		
	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.
Auckland	139	8,883	7,716	201	23,006	12,218	340	31,889	19,934
Napier	4	266	253	29	3,990	2,273	33	4,256	2,526
Wellington	12	2,305	2,092	40	11,619	5,909	52	13,924	8,001
Nelson	8	199	162	13	2,714	1,282	21	2,913	1,444
Lyttelton	12	3,656	3,565	18	5,900	2,814	30	9,556	6,379
Timaru	1	733	690	1	942	488	2	1,675	1,178
Dunedin	18	7,132	6,940	71	77,120	46,099	89	84,252	53,039
Invercargill	2	372	344	12	1,258	612	14	1,630	956
Totals	196	23,546	21,762	385	126,549	71,695	581	150,095	93,457

TABLE SHOWING, FOR THE YEAR 1915, THE NUMBER AND TONNAGE OF REGISTERED VESSELS (EXCLUSIVE OF RIVER STEAMERS) OF THE DOMINION OF NEW ZEALAND WHICH WERE EMPLOYED WHOLLY IN THE HOME TRADE, PARTLY IN THE HOME AND PARTLY IN THE FOREIGN TRADE, AND WHOLLY IN THE FOREIGN TRADE, RESPECTIVELY; AND THE NUMBER OF MEN AND BOYS (EXCLUSIVE OF MASTERS) EMPLOYED THEREON.

[illegible]

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	24 Mar., 1879
Cape Brett	1st order dioptric	Fixed ..	..	Red, to show over Columbia Reef.	Iron ..	"	21 Feb., 1910
Mokohinou	1st	Group flashing	10"	White	Stone	"	18 June, 1883
Chicken Island (Marotiri)	Acetone-acetylene (unwatched)	Flashing	$\frac{1}{2}$ " fl.	"	Iron ..	"	28 April, 1913
Tiritiri	2nd order dioptric	Fixed ..	$3\frac{1}{2}$ " ecl.	White, with red arc over Flat Rock	" ..	Timber	1 Jan., 1865
Channel Island	Acetone-acetylene (unwatched)	Flashing	$\frac{1}{2}$ " fl. } $\frac{2}{3}$ " fl. } $\frac{1}{2}$ " fl. } 10 " ecl.	White	" ..	"	11 Feb., 1915
Ponui Passage	5th	" ..	" ..	White and red ..	Timber	Timber	29 July, 1871
Cuvier Island	1st	Revolving	30"	White	Iron ..	"	22 Sept., 1889
East Cape	2nd	Flashing	10"	"	" ..	"	9 Aug., 1900
Portland Island	2nd	Revolving	30"	"	" ..	"	"
Castle Point	2nd order dioptric	Fixed ..	..	Red, to show over Bull Rock	Timber	"	10 Feb., 1878
Cape Palliser	2nd	Group flashing	†	White	Iron ..	"	12 Jan., 1913
Pencarrow Head	2nd	Revolving	†	"	" ..	"	27 Oct., 1897
Cape Egmont	2nd	Fixed ..	..	" .. ..	" ..	"	1 Jan., 1859
Manukau Head	2nd	" ..	..	" .. ..	" ..	"	1 Aug., 1881
Kaipara Head	3rd	" ..	..	" .. ..	Timber	"	1 Sept., 1874
Brothers	2nd	Flashing	10"	"	" ..	"	1 Dec., 1884
Cape Campbell	2nd	Fixed ..	10"	Red, to show over Cook Rock	" ..	"	24 Sept., 1877
Godley Head	2nd	Revolving	1'	White	Iron ..	"	1 Aug., 1870
Akaroa Head	2nd	Fixed ..	..	" .. ..	Stone	Stone	1 April, 1865
Jack's Point	2nd	Flashing	10"	"	Timber	"	1 Jan., 1880
Moeraki	4th	Fixed ..	..	" .. ..	Iron ..	"	1 July, 1904
Taiaroa Head	3rd	" ..	..	" .. ..	Timber	"	22 April, 1878
Cape Saunders	3rd	" ..	..	Red	Stone	"	2 Jan., 1865
Nugget Point	2nd	Revolving	1'	White	Timber	Timber	1 .. 1880
Waipapapa Point	1st	Fixed ..	..	" .. ..	Stone	Stone	4 July, 1870
Dog Island	2nd	Flashing	10"	"	Timber	Timber	1 Jan., 1884
Centre Island	1st order catadioptric	Revolving	30"	"	Stone	Stone	1 Aug., 1865
Puysegur Point	1st order dioptric	Fixed ..	..	White, with red arcs over inshore dangers	Timber	Timber	16 Sept., 1878
Cape Foulwind	1st	Flashing	10"	White	"	"	1 Mar., 1879
Kahurangi Point	2nd	Revolving	30"	"	"	"	1 Sept., 1876
Farewell Spit	2nd	Fixed ..	..	White, with red sector to show over Stewart Breaker	Iron ..	"	30 Nov., 1903
Nelson	2nd	Revolving	1'	White, with red arc over Spit end	" ..	"	17 June, 1870
French Pass	4th	Fixed ..	..	White, with red arc to mark limit of anchorage	" ..	"	4 Aug., 1862
Stephens Island	6th	" ..	..	Red and white, with white light on beacon	" ..	"	1 Oct., 1884
Karori Rock	1st	Group flashing	*	White	" ..	"	29 Jan., 1894
	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	"	20 Oct., 1915

* 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, 1916.

Name of Ve	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 (A'kland)	12	8	..	Non-condensing	" ..	"	..	..	..	..
Advance (Hokianga)	3	7	..	Oil-engine ..	" ..	"	..	..	..	..
A.H.B. ..	5	15	..	" ..	" ..	"	..	..	..	..
Ahiki ..	6	35	..	" ..	" ..	"	..	..	..	..
Ahuriri ..	33	17	..	Compound ..	" ..	"	..	..	..	..
Ailoma ..	4	15	..	Oil-engine ..	" ..	"	..	..	..	..
Aio ..	4½	20	..	" ..	" ..	"	..	..	..	..
Akaroa ..	29	28	97	Compound ..	" ..	Home trade ..	1	1	..	..
Albatross	111	37½	..	" ..	" ..	Restricted limits	..	..	..	..
Albatross (Ham'ltn)	4	8	..	Oil-engine ..	" ..	"	..	..	..	..
Albatross (Hoki'nga)	2	4	..	" ..	" ..	"	..	..	..	..
*Alert ..	20	6	..	Compound ..	" ..	"	..	..	..	..
Alert (Wanganui)	5	15	..	Oil-engine ..	" ..	"	..	..	..	..
Alexander ..	185	72	388	Compound ..	Twin-screw	Home trade ..	4	3	..	..
Alexandra ..	5	15	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Alice ..	2	6	..	" ..	" ..	"	..	..	..	..
Alice (Hokianga) ..	1½	6	..	" ..	" ..	"	..	..	..	..
Alice (Te Kopuru)	4½	12	..	" ..	" ..	"	..	..	..	..
All Black ..	4	17	..	" ..	" ..	"	..	..	..	..
All Black, No. 2 ..	4	24	..	" ..	" ..	"	..	..	..	..
Amateur ..	2	10	..	" ..	" ..	"	..	..	..	..
Amohau ..	3	6	..	" ..	" ..	"	..	..	..	..
Anaru ..	6	16	..	" ..	" ..	"	..	..	..	..
Anzac ..	4	6	..	" ..	" ..	"	..	..	..	..
Aorere ..	49	16	66	Compound ..	" ..	Home trade ..	2	1	..	..
Apanui ..	135	28	201	Triple-expansion	" ..	"	4	2	..	..
Arahura ..	772	145	1,711	" ..	Twin-screw	"	12	9	3	3	
Arapawa ..	128	47	275	" ..	Screw ..	"	4	2	..	..
Arawa ..	2	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Arita ..	2	4½	..	" ..	" ..	"	..	..	..	..
Ark ..	3	5	..	" ..	" ..	"	..	..	..	..
Ark ..	3	2½	..	" ..	" ..	"	..	..	..	..
Aroha ..	4	8	..	" ..	" ..	"	..	..	..	..
Arrino ..	2	5	..	" ..	" ..	"	..	..	..	..
Arumai ..	6	10	..	" ..	" ..	"	..	..	..	..
Atalanta ..	6	25	..	" ..	" ..	"	..	..	..	..
Athleen ..	2	6	..	" ..	" ..	"	..	..	..	..
Audrie ..	2	4	..	" ..	" ..	"	..	..	..	..
Auld Reekie ..	1	4	..	" ..	" ..	"	..	..	..	..
Aupouri ..	220	55	409	Triple-expansion	Twin-screw	Home trade ..	5	3	..	..
Aureola ..	1	5	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Aurere ..	3	8	..	" ..	" ..	"	..	..	..	..
Awahou ..	151	74	341	Compound ..	Twin-screw	Home trade ..	4	3	..	..
Awarua ..	2	4½	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Baden Powell ..	72	30	194	Compound ..	" ..	Home trade ..	2	2	..	..
Balder ..	3	10	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Beldame ..	4	20	..	" ..	" ..	"	..	..	..	..
Bell Bird ..	52	15	..	Triple-expansion	" ..	"	..	..	..	..
Belle ..	5	10	..	Oil-engine ..	" ..	"	..	..	..	..
Benares ..	2	5	..	" ..	" ..	"	..	..	..	..
Ben Lomond ..	33	15	..	Compound ..	" ..	"	..	..	..	..
Betty ..	2	16	..	Oil-engine ..	" ..	"	..	..	..	..
Breeze ..	286	84	454	Triple-expansion	" ..	Home trade ..	4	3	..	..
Breta Tui ..	36	40	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Brit ..	6	16	..	" ..	Twin-screw	"	..	..	..	..
Britannia ..	3	13	..	" ..	Screw ..	"	..	..	..	..
Britannia (Bluff) ..	10	2½	..	" ..	" ..	Home trade ..	1	..	..	..	Fishing.
Britannia (A'kland)	108	40	..	Non-condensing	Paddle ..	Restricted limits	..	..	..	..
Bruce ..	1	5	..	Oil-engine ..	Screw ..	"	..	..	..	..
Bulli ..	29	24	..	Compound ..	" ..	"	..	..	..	..
Calm ..	523	550	701	Triple-expansion	" ..	Home trade ..	5	3	..	..
Campbell ..	6	20	..	Oil-engine ..	Twin-screw	Restricted limits	..	..	..	..
Canopus ..	835	250	1,182	Triple-expansion	Screw ..	Home trade ..	6	3	2	3	
Canterbury ..	521	120	..	Compound ..	Twin-screw	Restricted limits	..	..	..	..
Capel ..	3	10	..	Oil-engine ..	Screw ..	"	..	..	..	..
Centaur ..	6	32	..	" ..	Twin-screw	"	..	..	..	..
Chelmsford ..	79	25	58	Compound ..	Screw ..	Home trade ..	2	1	..	..
Clansman ..	379	99	568	" ..	" ..	"	..	..	..	..
Claymore ..	119	54	389	Triple-expansion	" ..	"	4	3	..	..
Clio ..	5½	6	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Clutha ..	96	24	..	Compound ..	Stern-wheel	"	..	..	..	..
Clyde ..	..	40	..	" ..	" ..	"	..	..	..	..
Cobar ..	69	40	..	" ..	Screw ..	"	..	..	..	..
Comet ..	8	20	..	Oil-engine ..	" ..	"	..	..	..	..
Comet (Stewart Isl.)	6	5	..	" ..	" ..	"	..	..	..	..

* 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.	
Condor ..	188	24	..	Compound ..	Screw each end ..	Restricted limits	Fishing.
Conella ..	1	3½	..	Oil-engine ..	Screw ..	"	..	..	..	..
Coquette ..	3	10	..	" ..	" ..	"	..	..	..	..
Corinna ..	812	141	1,058	Compound ..	" ..	Home trade ..	6	3	2	3	
Countess ..	2½	20	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Countess (W'gton)	57	28	180	Compound ..	" ..	Home trade ..	2	2	..	..
Curlew ..	54	16	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Cygnat ..	66	43	188	Compound ..	" ..	Home trade ..	2	2	..	..
Cygnat (Mokau) ..	4	16	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Dairymaid ..	2	6	..	" ..	" ..	"	..	..	..	..
Daphne ..	100	55	244	Compound ..	" ..	Home trade ..	4	2	..	..
Daphne (Queen Charlotte Sound)	1	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Dawn (Auckland)	14	36	..	" ..	Twin-screw	Home trade ..	1	..	..	..
Dawn (Mangonui)	3	8	..	" ..	Screw ..	Restricted limits	..	..	..	..
Dauntless ..	3	16	..	" ..	" ..	"	..	..	..	..
Defender ..	109	36	105	Compound ..	" ..	Home trade ..	4	2	..	..
Despatch ..	24	20	..	" ..	" ..	"	1	1	..	..
D'Jinn ..	6	23	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Doak ..	3	8	..	" ..	" ..	"	..	..	..	..
Doris ..	2	5	..	" ..	" ..	"	..	..	..	..
Doris (Napier) ..	4	20	..	" ..	" ..	"	..	..	..	..
Doris (Picton) ..	2	4	..	" ..	" ..	"	..	..	..	..
Doris (Russell) ..	3	12	..	" ..	" ..	"	..	..	..	..
Dot ..	1	5	..	" ..	" ..	"	..	..	..	..
Dove ..	2	4	..	" ..	" ..	"	..	..	..	..
Dovey ..	2	5	..	" ..	" ..	"	..	..	..	..
Dreadnought (Igill)	26	12	..	" ..	Stern-wheel	"	Now "Kahika."
Dreadnought (Port Underwood)	6	16	..	" ..	Screw ..	"	..	..	..	..
Dredge 121 ..	394	100	..	Compound ..	" ..	"	..	..	..	..
Dredge 222 ..	502	140	829	" ..	Twin-screw	Home trade ..	5	3	2	3	
*Dredge 350 ..	488	117	585	Triple-expansion	" ..	"	5	3	..	..
Duchess ..	137	81	..	" ..	Screw ..	Restricted limits	..	..	..	..
Duchess ..	1	1½	..	Oil-engine ..	" ..	"	..	..	..	..
Duco ..	2	5	..	" ..	" ..	"	..	..	..	..
Dunedin ..	125	500	1,042	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	"	..	..	..	..
Eclipse ..	2	8	..	Oil-engine ..	Screw ..	"	..	..	..	..
Eileen Ward ..	472	123	..	Triple-expansion	Twin-screw	"	..	..	..	..
Elsie ..	21	30	..	Oil-engine ..	Screw ..	"	..	..	..	..
Elsie (French Pass)	3	5	..	" ..	" ..	"	..	..	..	..
Elsie (Wellington)	22	11	..	Compound ..	" ..	"	..	..	..	..
Elsie Evans ..	6	20	..	Oil-engine ..	" ..	"	..	..	..	..
Elsie Mary ..	85	60	..	" ..	" ..	Home trade ..	2	..	..	..
Elsie ..	2	5	..	" ..	" ..	Restricted limits	..	..	..	..
Elswick ..	4	12	..	" ..	" ..	"	Fishing.
Emerald ..	4	12	..	" ..	" ..	"	..	..	..	..
Emere ..	2	5	..	" ..	" ..	"	..	..	..	..
Emily ..	5	25	..	" ..	" ..	"	..	..	..	..
Empress ..	6	18	..	" ..	" ..	"	..	..	..	..
Endeavour ..	54	30	..	" ..	" ..	"	..	..	..	..
Endor ..	10½	4	..	" ..	" ..	"	..	..	..	..
Endora ..	2	5	..	" ..	" ..	"	..	..	..	..
Ennerdale ..	516	98	690	Triple-expansion	" ..	Foreign trade	5	3	..	..
Erin ..	..	3½	..	Non-condensing	" ..	Restricted limits	..	..	..	..
*Eunice ..	129	..	..	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	92	Compound ..	Screw ..	Home trade ..	2	1	..	..
Fairy (Hokianga)	2	7	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Fairy (Napier) ..	32	11	..	" ..	" ..	"	..	..	..	..
Fanny ..	55	30	140	Compound ..	" ..	Home trade ..	2	2	..	..
Farina ..	5	16	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Ferro ..	6	30	..	" ..	" ..	"	..	..	..	..
Fiona ..	2	4½	..	" ..	" ..	"	..	..	..	..
Fire Float ..	..	13	..	Non-condensing	" ..	"	..	..	..	..
Flora (Bluff) ..	3	6	..	Oil-engine ..	" ..	"	..	..	..	..
Flora (Hobart) ..	838	180	1,104	Compound ..	" ..	Home trade ..	6	3	2	3	
Flora (Totara N'th)	2	3	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Foam ..	3	10	..	" ..	" ..	"	..	..	..	..

* 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.	
Freetrader ..	94	50	..	Non-condensing	Stern-wheel	Restricted limits	Fishing.
Frisbie ..	6	16	..	Oil-engine	Screw	..	..	..	..	..
Gael ..	55	20	90	Compound	..	Home trade ..	2	1	..	..
Gannet (Bluff) ..	8	5	..	Oil-engine	..	..	..	..	..	..
Gannet (Picton) ..	10	12	..	Compound	..	Restricted limits	..	..	..	..
Geisha ..	4	12	..	Oil-engine	..	..	..	..	..	..
Gem ..	1	4	..	..	..	..	..	..	..	..
Gisborne ..	38	12	..	..	..	Home trade ..	2	..	..	..
Gisborne Pilot-launch ..	5	12	..	..	..	Restricted limits	..	..	..	..
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	..	..	..	..	..	..	..	..
Greyhound ..	83	60	..	Oil-engine	..	Home trade ..	2	Now "Karu."
Haeremai ..	6	18	..	..	..	Restricted limits	..	..	..	..
Hananui II ..	44	58	293	Triple-expansion	..	Foreign ..	2	3	..	..
Hapai ..	364	155	..	..	Twin-screw	Restricted limits	..	..	..	..
Harriet ..	3	8	..	Oil-engine	Screw	..	..	..	..	..
Hauiti ..	82	32	269	Compound	..	..	..	..	..	..
Hauiti (Tolaga Bay) ..	12	20	..	Oil-engine	..	..	..	..	..	..
Hauptiri ..	452	88	461	Compound	..	Foreign ..	5	3	..	..
Hauraki ..	9	3½	..	..	..	Restricted limits	..	..	..	..
Hauroto ..	1,276	250	1,372	..	..	Foreign ..	7	6	3	3
Hawera ..	92	31	206	..	..	Home trade ..	2	2	..	..
Heather ..	6	17	..	Oil-engine	..	Restricted limits	..	..	..	..
Hilda ..	5	20	..	..	..	..	..	..	..	..
Himitangi ..	149	45	256	Triple-expansion	..	Foreign trade	4	3	..	..
Hina ..	39	20	76	Compound	..	Home trade ..	2	1	..	..
Hinemoa (Tryphena) ..	3	2	..	Oil-engine	..	Restricted limits	..	..	..	..
Hinemoa (W'gton) ..	282	150	606	Compound	..	Foreign trade	5	3	Now "Karu."
Hinewai ..	5	16	..	Oil-engine	..	Restricted limits	..	..	..	..
Hipi ..	16	11	..	Triple-expansion	Twin-screw	..	..	..	..	..
Hirere ..	20	16	..	Compound	..	..	..	..	..	..
Hobsonville ..	23	15	..	Oil-engine	Screw	..	..	..	..	..
Holliday ..	4	15	..	..	..	..	..	..	..	..
Holmdale ..	197	27	110	Compound	..	Home trade ..	4	2	..	..
Houmaana ..	4	16	..	Oil-engine	..	Restricted limits	..	..	..	..
Houto ..	78	45	..	..	..	Home trade ..	2	..	..	..
Huia ..	199	47	..	..	..	..	4	..	..	..
Huia (Auckland) ..	1	8	..	..	..	Restricted limits	..	..	..	..
Huia (Rotomahana) ..	2	4	..	..	..	..	..	..	..	..
Huia (Wellington) ..	..	2	..	Compound	..	..	..	..	..	..
Huia (Wilson's Bay) ..	1	5	..	Oil-engine	..	..	..	..	..	..
Hukarere ..	2	40	Now "Karu."
Hulk Launch ..	2	5½	..	..	..	..	..	..	..	..
Ika ..	7	20	..	..	..	..	..	..	..	..
Imperial ..	3	12	..	..	..	..	..	..	..	..
Invercargill ..	123	41	221	Compound	..	Home trade ..	4	2	..	..
Iranui ..	8	10	..	Oil-engine	..	Restricted limits	..	..	..	..
Irene ..	4	12	..	..	..	..	..	..	..	..
Iriti ..	4	15	..	..	..	..	..	..	..	..
Iris ..	3	6	..	..	..	..	..	..	..	..
Isa ..	3	5	..	..	..	..	..	..	..	..
Isabel ..	5	5	..	..	..	..	..	..	..	..
Isabella de Fraine ..	76	60	..	..	Twin-screw	Home trade ..	2	..	..	..
Ivy (Port Albert) ..	8½	30	..	..	Screw	Restricted limits	..	..	..	..
Ivy (Westport) ..	4	10	..	..	Twin-screw	Home trade ..	2	..	..	..
Jane (Auckland) ..	22	35	Screw	..	2	Now "Karu."
Jane (Mokau) ..	3	..	..	..	..	Restricted limits	..	..	..	..
Janie Seddon ..	48	48	..	Compound	Twin-screw	..	..	..	..	..
J.D.O. ..	88	28	..	..	Screw	..	..	..	..	..
John ..	134	90	199	..	..	Home trade ..	4	2	..	..
John Anderson ..	36	20	..	..	..	Restricted limits	..	..	..	..
John Kennedy ..	4	12	..	Oil-engine	..	..	..	..	..	..
John Townley ..	85	39	..	Compound	..	..	..	..	..	..
Jumbo ..	4	32	..	Oil-engine	..	..	..	..	..	..
Kao ..	146	60	..	..	Twin-screw	Home trade ..	4	..	..	..
Kahu (Auckland) ..	25	40	..	..	..	..	2	..	..	..
Kahu (Napier) ..	99	40	231	Compound	Screw	..	2	2	..	..
Kaiaia ..	24	28	..	Oil-engine	Twin-screw	..	2	..	..	..
Kaipoi ..	1,246	201	1,021	Triple-expansion	Screw	Foreign trade	7	3	2	3	
Kaimaka ..	11	24	..	Oil-engine	Twin-screw	Restricted limits	..	..	..	..

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 following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Kaipara ..	..	4	..	Compound ..	Screw ..	Restricted limits	..	..	..	..
Kaipatiki ..	23	9	..	" ..	" ..	" ..	..	..	..	..
Kairaki ..	182	92	492	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..
Kaitangata ..	1,219	200	1034	" ..	Screw ..	Foreign trade	7	3	2	3	
Kaitoa ..	118	65	292	Compound ..	Twin-screw	Home trade ..	4	3	..	..
Kaituna (A'kland)	6	10	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Kaituna (Dunedin)	1,246	200	988	Triple-expansion	" ..	Foreign trade	7	3	2	3	
Kamo ..	725	159	748	" ..	" ..	" ..	6	3	..	..
Kamona ..	904	117	780	" ..	" ..	" ..	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	217	Compound ..	" ..	Home trade ..	4	2	..	..
Kapui ..	17	9	†	" ..	" ..	" ..	2	1	..	..
Kapuni ..	96	30	181	" ..	" ..	" ..	2	2	..	..
Karaka ..	10	22	..	Triple-expansion	" ..	Restricted limits	..	..	..	..
Karewa ..	4	4½	..	Oil-engine ..	" ..	" ..	..	..	..	..
Karma ..	3	28	..	" ..	" ..	" ..	..	..	..	..
Karori ..	1,194	147	926	Triple-expansion	" ..	Foreign trade	7	3	2	3	
Karoro ..	52	17	..	Compound ..	" ..	Restricted limits	..	..	..	..
Kate (Batley) ..	5	24	..	Oil-engine ..	" ..	" ..	..	..	..	..
Kate (Foxton)	..	5	..	Non-condensing	" ..	" ..	..	..	..	..
Katoa ..	1,382	335	1,607	Triple-expansion	" ..	Foreign trade	7	6	3	3	
Kawau ..	53	20	87	Compound ..	" ..	Home trade ..	2	1	..	..
Kawau ..	37	15	..	" ..	" ..	Restricted limits	..	..	..	..
Kauri ..	1,830	304	1,200	Triple-expansion	" ..	Foreign trade	8	3	2	3	
Kelvena ..	3½	7	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Kelvin ..	2	7	..	" ..	" ..	" ..	..	..	..	..
Kennedy ..	131	38	174	Compound ..	Twin-screw	Home trade ..	4	2	..	..
Kestrel ..	159	43	..	" ..	Screw each end	Restricted limits	..	..	..	..
Kia Ora ..	1½	4	..	Oil-engine ..	Screw ..	" ..	..	..	..	..
Kia Ora (Tauranga)	7	8	..	" ..	" ..	" ..	..	..	..	..
Kina ..	5	10	..	" ..	" ..	" ..	..	..	..	..
Kini ..	702	130	643	Triple-expansion	" ..	Home trade ..	6	3	..	..
Kinohaku ..	6	8	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Kirita ..	5½	30	..	" ..	Twin-screw	" ..	..	..	..	..
Kiritona ..	75	150	..	" ..	" ..	Home trade ..	2	..	..	..
Kismet ..	4½	24	..	" ..	Screw ..	Restricted limits	..	..	..	..
Kittawa ..	708	120	700	Triple-expansion	" ..	Home trade ..	6	3	..	..
Kiwi ..	4	28	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Knoxie ..	5	12	..	" ..	" ..	" ..	..	..	..	..
Kohi ..	17	60	..	" ..	Twin-screw	Home trade ..	2	..	..	..
Kohurangi ..	4	10	..	" ..	Screw ..	Restricted limits	..	..	..	..
Koi ..	55	32	..	" ..	Twin-screw	Extreme limits	..	..	..	..
Kokiri (Russell)	4	10	..	" ..	Screw ..	Restricted limits	..	..	..	..
Kokiri ..	4	8	..	" ..	" ..	" ..	..	..	..	..
Komata ..	1,194	260	1,243	Triple-expansion	" ..	Foreign trade	7	3	2	3	
Kopu ..	18	13	..	Non-condensing	Paddle ..	Restricted limits	..	..	..	..
Koputai ..	5	120	469	Compound ..	" ..	Home trade ..	2	3	..	..
Korari ..	4	8	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Koroi ..	3	7	..	" ..	" ..	" ..	..	..	..	..
Koroi (Auckland)	..	9½	..	Quadruple-exp'n.	" ..	" ..	..	..	..	..
Koromiko ..	1,541	313	1,450	Triple-expansion	" ..	Foreign trade	8	6	3	3	
Kotare ..	79	20	146	Compound ..	" ..	Home trade ..	2	2	..	..
Kotiti ..	42	14	78	" ..	" ..	" ..	2	1	..	..
Koutu ..	2	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Koutunui ..	98	26	127	Compound ..	Twin-screw	Home trade ..	2	2	..	..
Kowhai ..	404	128	608	Triple-expansion	Screw ..	" ..	5	3	..	..
Kura ..	16	35	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Kurow ..	1,564	333	1,754	Triple-expansion	" ..	Foreign trade	8	6	3	3	
Lady Eva ..	13	120	..	Oil-engine ..	" ..	Home trade ..	2	..	..	..
Lady Moira ..	2	5	..	" ..	" ..	Restricted limits	..	..	..	..
La Mascotte ..	4	10	..	" ..	" ..	" ..	..	..	..	..
La Mascotte (Rotorua)	1	4	..	" ..	" ..	" ..	..	..	..	..
La Reine ..	6	20	..	" ..	" ..	" ..	..	..	..	..
Larola ..	4	10	..	" ..	" ..	" ..	..	..	..	..
Lassie ..	3	6	..	" ..	" ..	" ..	..	..	..	..
Laurel ..	3	10	..	" ..	" ..	" ..	..	..	..	..
Lena ..	12	8	..	" ..	" ..	" ..	..	..	..	..
Lily (Kaiapoi)	1	10	..	" ..	" ..	" ..	..	..	..	..
Lily (Riverton)	3	4	..	" ..	" ..	" ..	..	..	..	..
Linda ..	2½	9	..	" ..	" ..	" ..	..	..	..	..
Lion ..	4	8	..	" ..	" ..	" ..	..	..	..	..
Lochaber ..	1½	6	..	" ..	" ..	" ..	..	..	..	..
Lomen ..	..	6	..	Compound ..	" ..	" ..	..	..	..	..
Lorna ..	4	10	..	Oil-engine ..	" ..	" ..	..	..	..	..
Loyalty ..	24	35	78	Compound ..	" ..	Home trade ..	2	1	..	..

† Under 50 i.h.p.

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.	Crews.		
Lyttelton (Lyttel'n)	1	133	..	Compound	..	Twin-screw	Restricted limits	..	..	..	..
Magie ..	58	60	..	Oil-engine	..	"	Home trade ..	2	..	..	..
Maheno ..	3,318	600	6,188	Turbine	..	"	Foreign trade	12	18	9	3	
Maheno (Dunedin)	24	40	..	Oil engine	..	"	Restricted limits	..	..	..	..
Mahino ..	6	5	..	"	..	Screw	"	..	..	..	..
Mahoe ..	14	56	..	"	..	"	"	..	..	..	..
Mahua ..	353	28	..	Compound	..	Twin-screw	"	..	..	..	..
Mahurangi ..	95	80	..	"	..	Screw	"	..	..	..	..
Maidi ..	12	10½	..	"	..	"	"	..	..	..	..
Maitai ..	1,888	490	3,327	Triple-expansion	..	"	Foreign trade	9	9	6	3	
Majestic ..	3	7	..	Oil-engine	..	"	Restricted limits	..	..	..	..
Makere ..	3	4	..	"	..	"	"	..	..	..	..
Mako ..	4	12	..	"	..	"	"	..	..	..	..
Mako (Napier) ..	247	65	385	Triple-expansion	..	"	Home trade ..	5	3	..	..
Makuini ..	4	18	..	Oil-engine	..	"	Restricted limits	..	..	..	..
Makura ..	2	7	..	"	..	"	"	..	..	..	..
Mana (Lyttelton)	51	90	..	Compound	..	Paddle	"	..	..	..	..
Manaia ..	630	104	1,227	Triple-expansion	..	Twin-screw	Home trade ..	7	3	2	3	
Manapouri ..	1,288	220	1,506	Quadruple surface condensing	..	Screw	Foreign trade	8	6	3	3	
Manu ..	3	5	..	Oil-engine	..	"	Restricted limits	..	..	..	..
Manuka (Lyttelton)	3	2½	..	"	..	"	"	..	..	..	..
Manukau ..	4	30	..	"	..	"	"	..	..	..	..
Manukotuku ..	3	16	..	"	..	"	"	..	..	..	..
Manurewa ..	..	3½	..	Quadruple-expansion	..	"	"	..	..	..	..
Manuwai ..	15	50	..	Oil-engine	..	"	"	..	..	..	..
Manuwai (Wanganui)	94	30	..	Non-condensing	..	Stern-wheel	"	..	..	..	..
Maori (Dunedin) ..	1,433	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	1,213	Triple-expansion	..	"	Home trade ..	7	3	2	3	
Marama ..	2	6	..	Oil-engine	..	"	Restricted limits	..	..	..	..
Maramarua ..	2	9	..	"	..	"	"	..	..	..	..
Maranui ..	4	5	..	"	..	"	"	..	..	..	..
Mararau ..	1½	5	..	"	..	"	"	..	..	..	..
Mararoa ..	1,381	530	2,947	Triple-expansion	..	"	Foreign trade	8	9	3	3	
Margaret ..	2	12	..	Oil-engine	..	"	Restricted limits	..	..	..	..
Maribel ..	6	16	..	"	..	"	"	..	..	..	..
Maritano ..	6	14	..	"	..	"	"	..	..	..	..
Maroro ..	5	8	..	"	..	"	"	..	..	..	..
Mascotte ..	..	5	..	Non-condensing	..	"	"	..	..	..	..
Matakokiri ..	3	9	..	Oil-engine	..	"	"	..	..	..	..
Matareka ..	4	25	..	"	..	"	"	..	..	..	..
Matarere ..	..	1½	..	Compound	..	"	"	..	..	..	..
Matariki ..	4	10	..	Oil-engine	..	"	"	..	..	..	..
Matariki (Tuakau)	3	6	..	"	..	"	"	..	..	..	..
Matea ..	2	5	..	"	..	"	"	..	..	..	..
Matuku ..	..	4	..	Non-condensing	..	"	"	..	..	..	..
Maui ..	251	80	547	Triple-expansion	..	"	Home trade ..	4	3	..	..
Mavis (Dunedin) ..	3	10	..	Oil-engine	..	"	Restricted limits	..	..	..	..
Mavis ..	2	6	..	"	..	"	"	..	..	..	..
Mavis B. ..	7	3	..	Quadruple-expansion	..	"	"	..	..	..	..
Mavora ..	4	10	..	Oil-engine	..	"	"	..	..	..	..
Mawhera ..	292	168	..	Compound	..	Twin-screw	"	..	..	..	..
May ..	1	8	..	Oil-engine	..	Screw	"	..	..	..	..
May (Awanui) ..	2	4	..	"	..	"	"	..	..	..	..
May (Wanganui) ..	1	4	..	"	..	"	"	..	..	..	..
M.C. ..	3	6	..	"	..	"	"	..	..	..	..
Media ..	4	10	..	"	..	"	"	..	..	..	..
Melville ..	4	10	..	"	..	"	"	..	..	..	..
Meremere ..	..	3	..	"	..	"	"	..	..	..	..
Merita ..	3	8	..	"	..	"	"	..	..	..	..
Merlin ..	4	4	..	"	..	"	"	..	..	..	..
Merlin (Picton) ..	3	5	..	"	..	"	"	..	..	..	..
Mermaid ..	4	7	..	"	..	"	"	..	..	..	..
Midlothian ..	3	5	..	"	..	"	"	..	..	..	..
Mikado ..	6	12	..	"	..	"	"	..	..	..	..
Minoru ..	2½	10	..	"	..	"	"	..	..	..	..
Miro ..	3	4	..	"	..	"	"	..	..	..	..
Mizpah ..	4½	20	..	"	..	"	"	..	..	..	..
Moa ..	5	4	..	"	..	"	"	..	..	..	..
Moana ..	4	8	..	"	..	"	"	..	..	..	..
Moana ..	2	4½	..	"	..	"	"	..	..	..	..

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.	
Moata ..	3	5	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Moeraki..	2,715	357	4,038	Triple-expansion	Twin-screw	Foreign trade	11	12	6	3	
Moerangi ..	5	16	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Mokoia ..	2,154	255	3,039	Triple-expansion	" ..	Foreign trade	10	9	6	3	
Mokoia (Rotorua)	2	6	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Mona ..	2	5	..	" ..	" ..	" ..	..	..	..	..
Monica ..	3	12	..	" ..	" ..	" ..	..	..	..	..
Monica II ..	29	20	..	Compound ..	" ..	" ..	..	..	..	..
Monowai ..	2,137	290	2,798	Triple-expansion	" ..	Home trade ..	10	9	6	3	
Mororo ..	2	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Moturoa ..	10	10	..	Compound ..	" ..	" ..	..	..	..	..
Mountaineer ..	66	50	..	" ..	Paddle ..	" ..	..	..	..	..
Moura ..	1,247	275	1,826	" ..	Screw ..	Foreign trade	8	6	3	3	
Muriel ..	22	18	..	" ..	" ..	Restricted limits	..	..	..	..
Murihiku ..	369	70	505	Triple-expansion	Twin-screw	Home trade' ..	4	3	..	..
Muriwai ..	6	55	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Myrtle ..	1	4	..	" ..	" ..	" ..	..	..	..	..
Nada ..	1	6	..	" ..	" ..	" ..	..	..	..	..
Namu ..	1½	5	..	" ..	" ..	" ..	..	..	..	..
Nancy ..	1	5	..	" ..	" ..	" ..	..	..	..	..
Napier ..	48	30	98	Compound ..	" ..	Home trade ..	2	1	..	..
Natone ..	50	24	..	" ..	" ..	Restricted limits	..	..	..	..
Naumai..	5	9	..	Oil-engine ..	" ..	" ..	..	..	..	..
Naumai (Mercer)	3	9	..	" ..	" ..	" ..	..	..	..	..
Naumai (Auckland)	29	12	..	Compound ..	" ..	" ..	..	..	..	..
Nautilus ..	3	7	..	Oil-engine ..	" ..	" ..	..	..	..	..
Nautilus (One-hunga)	6	6	..	" ..	" ..	" ..	..	..	..	..
Navua ..	1,813	220	1,906	Triple-expansion	Twin-screw	Foreign trade	9	6	3	3	
Nellie ..	3	8	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Nellie Mason ..	14	15	..	" ..	" ..	" ..	..	..	..	..
New Zealand ..	4½	1½	..	Non-condensing	" ..	" ..	..	..	..	..
Ngahere ..	556	118	745	Triple-expansion	" ..	Home trade ..	5	3	..	..
Ngakuta ..	944	248	1,235	" ..	" ..	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	..	" ..	" ..	" ..	..	..	..	..
Ngatiawa ..	220	55	461	Triple-expansion	Twin-screw	Home trade ..	5	3	..	..
Ngatoro..	584	118	743	" ..	Screw ..	" ..	5	3	..	..
Ngoiro ..	139	52	..	" ..	Screw each end	Restricted limits	..	..	..	..
Niagara ..	4	14	..	Oil-engine ..	Screw ..	" ..	..	..	..	..
Nick ..	6	25	..	" ..	" ..	" ..	..	..	..	..
Nicola ..	4	10	..	" ..	" ..	" ..	..	..	..	..
Nikau ..	98	55	243	Compound ..	Twin-screw	Home trade ..	2	2	..	..
Nimrod ..	4	32	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Nita ..	3	5	..	" ..	" ..	" ..	..	..	..	..
Norah ..	2	5	..	" ..	" ..	" ..	..	..	..	..
Norah (Oamaru)	3	5	..	" ..	" ..	" ..	..	..	..	..
Nora Niven ..	66	35	187	Triple-expansion	" ..	Home trade ..	2	2	..	..	Trawler.
Norma ..	5	20	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Norval ..	50	20	..	" ..	" ..	" ..	..	..	..	..
Nydia ..	1	4	..	" ..	" ..	" ..	..	..	..	..
Oei ..	5	7	..	" ..	" ..	" ..	..	..	..	..
Ohinemuri ..	73	30	142	Compound ..	" ..	" ..	..	..	..	..
Ohura ..	34	25	..	Condensing ..	Twin-screw	" ..	..	..	..	..
Olaf ..	5	24	..	Oil-engine ..	Screw ..	" ..	..	..	..	..
Oleo ..	5	20	..	" ..	" ..	" ..	..	..	..	..
Oline ..	2	10	..	" ..	" ..	" ..	..	..	..	..
Olive ..	6	32	..	" ..	" ..	" ..	..	..	..	..
Olivene ..	4	18	..	" ..	" ..	" ..	..	..	..	..
Omana ..	49	14	..	" ..	" ..	" ..	..	..	..	..
Omana (Auckland)	3	16	..	" ..	" ..	" ..	..	..	..	..
Omawi ..	14	20	..	" ..	" ..	" ..	..	..	..	..
Onawe ..	5	25	..	" ..	" ..	" ..	..	..	..	..
Onewa ..	31	15	..	Compound ..	" ..	" ..	..	..	..	..
Ongarue ..	9	45	..	Oil-engine ..	" ..	" ..	..	..	..	..
Onoke ..	1	4	..	" ..	" ..	" ..	..	..	..	..
Opaia ..	5	23	..	" ..	" ..	" ..	..	..	..	..
Oparau ..	5	5	..	" ..	" ..	" ..	..	..	..	..
Opawa ..	64	18	84	Compound ..	" ..	Home trade ..	2	1	..	..
Opouri ..	218	86	577	Triple-expansion	" ..	Foreign trade	4	3	..	..
Oranga ..	4	16	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Oreti ..	13	10	..	" ..	" ..	" ..	..	..	..	..
Orewa ..	37	17	87	Compound ..	" ..	" ..	..	..	..	..
Orira ..	1	4	..	Oil-engine ..	" ..	" ..	..	..	..	..
Oropi ..	12	16	..	" ..	" ..	" ..	..	..	..	..

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.	
Osprey ..	138	70	..	Compound ..	Paddle ..	Restricted limits	..	..	..	..
Otara ..	3	12	..	Oil-engine ..	Screw ..	"	..	..	..	..
Otunui ..	12	75	..	" ..	" ..	"	..	..	..	..
Paeroa ..	45	25	78	Compound ..	" ..	Home trade ..	2	1	..	..
Pakeha ..	6	12	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Palatine ..	4	4	..	" ..	" ..	"	..	..	..	..
Paloonaa ..	1,735	443	2,686	Triple-expansion	" ..	Foreign trade	9	9	3	3	
Pandora ..	5	14	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Pania ..	35	11	..	Compound ..	" ..	"	..	..	..	..
Pararoa ..	4	8	..	Oil-engine ..	" ..	"	..	..	..	..
Parenga ..	4	6	..	" ..	" ..	"	..	..	..	..
Parera ..	6	4	..	Non-condensing	" ..	"	..	..	..	..
Paritutu ..	233	90	648	Triple-expansion	Twin-screw	"	..	..	..	..
Paroto ..	57	120	..	Oil-engine ..	" ..	Home trade ..	2	..	..	..
Pateena ..	550	250	1,942	Compound ..	Screw ..	"	7	6	3	3	
Patiti ..	..	15	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Pearl (Kaipara) ..	9	7	..	Non-condensing	" ..	"	..	..	..	..
Pearl (Onerahi) ..	2	14	..	Oil-engine ..	" ..	"	..	..	..	..
Pearleen ..	6	5	..	" ..	" ..	"	..	..	..	..
Pearless ..	4	26	..	" ..	" ..	"	..	..	..	..
Pelican ..	1	57	297	Triple-expansion	Twin-screw	Home trade ..	2	3	..	..
Pelorus ..	18	40	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Peregrine ..	162	52	..	Triple-expansion	Screw each end	"	..	..	..	..
Petone ..	388	82	573	" ..	Screw ..	Home trade ..	4	3	..	..
Petrel ..	6	15	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Phantom ..	18	11	..	Compound ..	" ..	"	..	..	..	..
Phyllis (Hokitika) ..	1	3	..	Oil-engine ..	" ..	"	..	..	..	..
Phyllis (Russell) ..	4	12	..	" ..	" ..	"	..	..	..	..
Phyllis (Te Kopuru) ..	5	2	..	" ..	" ..	"	..	..	..	..
Pihinga ..	23	5	..	" ..	" ..	"	..	..	..	..
Pilot ..	27	15	..	Triple-expansion	" ..	"	..	..	..	..
Pilot (Dunedin) ..	5	12	..	Oil-engine ..	" ..	"	..	..	..	..
Pioneer ..	1	4	..	" ..	" ..	"	..	..	..	..
Pitoitoti ..	24	20	..	Compound ..	" ..	"	..	..	..	..
Pitoitoti (Auckland) ..	27	15	†	" ..	" ..	"	..	..	..	..
Planet ..	4	31	..	" ..	" ..	"	..	..	..	..
Pleiades ..	3	12	..	Oil-engine ..	" ..	"	..	..	..	..
Plucky ..	29	40	268	Compound ..	" ..	Home trade ..	2	3	..	..
Poharu ..	749	128	710	Triple-expansion	" ..	"	6	3	..	..
Pono ..	30	52	..	Oil-engine ..	Twin-screw	Restricted limits	..	..	..	..
Portare ..	6	17	..	" ..	Screw ..	"	..	..	..	..
Presto ..	..	3	..	Compound ..	" ..	"	..	..	..	..
Princess ..	5	8	..	Oil-engine ..	" ..	"	..	..	..	..
Pukaki ..	917	110	689	Quadruple-expansion	" ..	Foreign trade	6	3	..	..
Pukeore ..	4	7	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Pupuke ..	68	50	..	Compound ..	Screw each end	"	..	..	..	..
Purau ..	33	30	..	" ..	Twin-screw	"	..	..	..	..
Putiki ..	157	60	308	" ..	Screw ..	Home trade ..	4	3	..	..
Queen ..	2	6	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Queen of Beauty ..	31	16	..	" ..	" ..	"	..	..	..	..
Queen of the South ..	121	40	180	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 ..	23	8	..	Non-condensing	" ..	Restricted limits	..	..	..	..
Ralaco (Auckland) ..	2	10	..	Oil-engine ..	" ..	"	..	..	..	..
Ralaco (Te Kopuru) ..	2	10	..	" ..	" ..	"	..	..	..	..
Rangi ..	5	8	..	" ..	" ..	"	..	..	..	..
Rarawa ..	460	140	1,076	Triple-expansion	Twin-screw	Home trade ..	6	3	2	3	
Ratanui ..	2	3	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Raumati ..	73	20	..	Compound ..	" ..	"	..	..	..	..
Rauparaha ..	11	43	..	Oil-engine ..	" ..	"	..	..	..	..
Rawhiti ..	5	5	..	" ..	" ..	"	..	..	..	..
Redwing ..	5	12	..	" ..	" ..	"	..	..	..	..
Regal ..	13	10	..	" ..	" ..	"	..	..	..	..
Regulus ..	232	150	694	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..
Reikura ..	5	10	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
*Reliance ..	3	5	..	" ..	" ..	"	..	..	..	..
Reliance (Oneh'nga) ..	41	12	..	" ..	" ..	"	..	..	..	..
Rene ..	4	10	..	" ..	" ..	"	..	..	..	..
Reremoana ..	14	50	..	" ..	" ..	"	..	..	..	..
Result ..	19	10	..	" ..	" ..	"	..	..	..	..
Rewa ..	6	24	..	" ..	" ..	"	..	..	..	..
Rhodesian ..	4	7	..	" ..	" ..	"	..	..	..	..

* Surveyed twice. † Under 50 i.h.p.

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.	Greasers.	
Rimu ..	145	95	475	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..
Rimu (Thames) ..	6	16	..	Oil-engine	Screw ..	Restricted limits	..	..	..	..
Rio ..	1 $\frac{1}{2}$	5	..	" ..	" ..	" ..	..	..	..	..
Ripple ..	8	5	..	" ..	" ..	" ..	..	..	..	..
Ripple (Napier) ..	187	80	270	Triple-expansion	" ..	Home trade ..	4	3	..	..
Rita (Mercer) ..	4	10	..	Oil-engine	" ..	Restricted limits	..	..	..	..
Rita ..	5	11	..	Compound	" ..	Home trade ..	..	..	..	..	Fishing.
Riwaka ..	19	10 $\frac{1}{2}$	..	" ..	" ..	Restricted limits	..	..	..	..
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) ..	4	15	..	Oil-engine	" ..	Restricted limits	..	..	..	..
Rose (Ngunguru) ..	1 $\frac{1}{2}$	4	..	" ..	" ..	" ..	..	..	..	..
Rose (Tangiteroni) ..	3	10	..	" ..	" ..	" ..	..	..	..	..
Rose (Whangarei) ..	4	10	..	" ..	" ..	" ..	..	..	..	..
Rotoiti ..	6	30	..	" ..	" ..	" ..	..	..	..	..
Rotokohu ..	11	8	..	Compound	" ..	" ..	..	..	..	..
Rotongaro ..	4	3 $\frac{1}{2}$	..	" ..	" ..	" ..	..	..	..	..
Rowena ..	4	18	..	" ..	" ..	" ..	..	..	..	..
Ruahine ..	5	12	..	Oil-engine	" ..	" ..	..	..	..	..
Ruawai ..	117	52	..	Compound	" ..	" ..	..	..	..	..
Rubi Seddon ..	349	80	..	Triple-expansion	Twin-screw	" ..	..	..	..	..
Ruru (Auckland) ..	14	10	..	Compound	Screw ..	" ..	..	..	..	..
Ruru (Napier) ..	62	50	172	" ..	" ..	Home trade ..	2	2	..	..
Sambo ..	5	40	..	Oil-engine	" ..	Restricted limits	..	..	..	..
Samson ..	4	16	..	" ..	" ..	" ..	..	..	..	..
Sarah ..	1	4 $\frac{1}{2}$	..	" ..	" ..	" ..	..	..	..	..
Savaii ..	31	16	64	Condensing	" ..	Home trade ..	2	1	..	..	Fishing.
Scout ..	7	10	..	Oil-engine	" ..	Restricted limits	..	..	..	..
Searnew ..	11	6	..	" ..	" ..	" ..	..	..	..	..
Sea Wolf ..	5 $\frac{1}{2}$	28	..	" ..	" ..	" ..	..	..	..	..
Sea Queen ..	3	7	..	" ..	" ..	" ..	..	..	..	..
Secret ..	4	10	..	" ..	" ..	" ..	..	..	..	..
Settler ..	8	7	..	Compound	" ..	" ..	..	..	..	..
Settler (Thames) ..	6	18	..	Oil-engine	" ..	" ..	..	..	..	..
Shamrock ..	60	120	..	" ..	Twin-screw	Home trade ..	2	..	..	..
* Shamrock Leaf ..	6	20	..	" ..	Screw ..	Restricted limits	..	..	..	..
Silver Bell ..	2	7	..	" ..	" ..	" ..	..	..	..	..
Sir William Wallace ..	30	20	..	Compound	" ..	" ..	..	..	..	..
Sneaker ..	6	5	..	Oil-engine	" ..	" ..	..	..	..	..
Sonoma ..	4	10	..	" ..	" ..	" ..	..	..	..	..
Sonoma (Kaipara) ..	..	13	..	Non-condensing	" ..	" ..	..	..	..	..
Southern Cross ..	407	117	357	Triple-expansion	Twin-screw	Foreign trade	6	3	..	..
Southern Isle ..	59	28	..	Oil-engine	" ..	Home trade ..	2	..	..	..
Sparrow ..	..	1 $\frac{1}{4}$	..	Triple-expansion	Screw ..	Restricted limits	..	..	..	..
Sparrowhawk ..	98	32	..	Compound	Screw each end	" ..	..	..	..	..
Special ..	5	16	..	Oil-engine	Screw ..	" ..	..	..	..	..
Speedy ..	3	5	..	" ..	" ..	" ..	..	..	..	..
Spindrift ..	3 $\frac{1}{2}$	5	..	" ..	" ..	" ..	..	..	..	..
Spray ..	2	8	..	" ..	" ..	" ..	..	..	..	..
St. George ..	2	8	..	" ..	" ..	" ..	..	..	..	..
Standard ..	9	10	..	" ..	" ..	" ..	..	..	..	..
Stanley ..	2	7 $\frac{1}{2}$	..	" ..	" ..	" ..	..	..	..	..
Stella ..	1 $\frac{1}{2}$	4	..	" ..	" ..	" ..	..	..	..	..
Sterling (Auckland) ..	4	28	..	" ..	" ..	" ..	..	..	..	..
Sterling (Hokianga) ..	3	12	..	" ..	" ..	" ..	..	..	..	..
Storm ..	186	70	275	Compound	" ..	Home trade ..	4	3	..	..
Stormbird ..	129	40	203	" ..	" ..	" ..	..	4	2	..	
Stranger ..	4	12	..	Oil-engine	" ..	Restricted limits	..	..	..	..
Strathcona ..	151	80	..	" ..	" ..	Foreign trade	4	..	..	..
Sumner ..	94	35	..	Compound	" ..	Restricted limits	..	..	..	..
Sybil ..	5 $\frac{1}{2}$	30	..	Oil-engine	" ..	" ..	..	..	..	..
Sylph ..	5	8	..	" ..	" ..	" ..	..	..	..	..
Sylvia ..	4	9	..	" ..	" ..	" ..	..	..	..	..
Syren ..	9	3	..	Non-condensing	Paddle	" ..	..	..	..	..
Tahawai ..	9	14	..	Oil-engine	Screw ..	" ..	..	..	..	..
Takeke ..	3	12	..	" ..	" ..	" ..	..	..	..	..
Tainui ..	60	24	156	Compound	" ..	Home trade ..	1	2	..	..
Tai Nui ..	5	30	..	Oil-engine	" ..	Restricted limits	..	..	..	..
Talune ..	1,370	255	1,790	Triple-expansion	" ..	Foreign trade	8	6	3	3	
Tanfield Lea ..	3	12	..	Oil-engine	" ..	Restricted limits	..	..	..	..
Tangaroa ..	109	70	..	Compound	Twin-screw	" ..	..	..	..	..
Tangihua ..	20	15	..	" ..	Screw ..	" ..	..	..	..	..
Taniora ..	3	12	..	Oil-engine	" ..	" ..	..	..	..	..

* 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.	
Taniwha ..	191	40	..	Compound ..	Twin-screw	Restricted limits	..	..	..	..
Taniwha (Timaru) ..	16	16	..	Non-condensing	Screw ..	"	..	..	..	..
Tarawera ..	1,269	250	1,348	Compound ..	" ..	Home trade ..	8	6	3	3	
Tarewai ..	11	11	..	Condensing ..	" ..	Restricted limits	..	..	..	..
Tasman ..	87	38	175	Compound ..	Twin-screw	Home trade ..	1	2	..	..
Taupiri ..	3	7	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Tauri ..	6	16	..	" ..	" ..	"	..	..	..	..
Tawera (Gisborne) ..	44	40	..	" ..	" ..	"	..	..	..	..
Tawera (Lake Te Anau) ..	..	25	..	Compound ..	" ..	"	..	..	..	..
Tawera (Auckland) ..	11	11	..	Non-condensing	" ..	"	..	..	..	..
Te Anau ..	957	250	1,427	Compound ..	" ..	Home trade ..	6	6	3	3	
Te Aroha ..	57	85	..	Oil-engine ..	" ..	"	1	..	..	..
Te Awahina ..	87	99	602	Triple-expansion	Twin-screw	"	1	3	..	..
Te Kooti ..	2	5	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Te Maika ..	4½	10	..	" ..	" ..	"	..	..	..	..
Tempest ..	3	10	..	" ..	" ..	"	..	..	..	..
Te Pioneer ..	25	18	..	Compound ..	" ..	"	..	..	..	..
Tepua ..	2½	10	..	Oil-engine ..	" ..	"	..	..	..	..
Te Rangi ..	2	6	..	" ..	" ..	"	..	..	..	..
Terawhiti ..	102	99	846	Triple-expansion	" ..	Home trade ..	4	3	2	3	
Te Teko ..	56	120	..	Oil-engine ..	Twin-screw	"	1	..	..	..
Te Wake ..	3	5	..	" ..	Screw ..	Restricted limits	..	..	..	..
Te Whaka ..	141	45	..	Compound ..	" ..	"	..	..	..	..
Te Wharu ..	3	7½	..	Oil-engine ..	" ..	"	..	..	..	..
Te Wiremu ..	4	14	..	" ..	" ..	"	..	..	..	..
The Little Jack ..	..	1½	..	Non-condensing	" ..	"	..	..	..	..
Thelma ..	1	2	..	Oil-engine ..	" ..	"	..	..	..	..
Thelma (Queenst'n) ..	2½	5	..	" ..	" ..	"	..	..	..	..
The Minerva ..	20	14	..	Compound ..	Twin-screw	"	..	..	..	..
The Pines ..	1	2	..	Oil-engine ..	Screw ..	"	..	..	..	..
Theresa Ward ..	9	95	466	Triple-expansion	" ..	Home trade ..	1	3	..	..
Thistle (Helensv'le) ..	10	14	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Thistle (Kaiapoi) ..	4	5	..	" ..	" ..	"	..	..	..	..
Thistle (Moana) ..	1	4	..	" ..	" ..	"	..	..	..	..
Thistle (Wellingt'n) ..	77	90	..	" ..	Twin-screw	Home trade ..	1	..	..	..
Thor ..	6	12	..	" ..	Screw ..	Restricted limits	..	..	..	..
Thornycroft ..	1½	5	..	" ..	" ..	"	..	..	..	..
Tikitere ..	3	8	..	" ..	" ..	"	..	..	..	..
Tiri ..	6	20	..	" ..	" ..	"	..	..	..	..
Togo ..	1	14	..	Compound ..	Twin-screw	"	..	..	..	..
Toller ..	28	13½	..	" ..	Screw ..	"	..	..	..	..
Toitoti ..	5	18	..	Oil-engine ..	" ..	"	..	..	..	..
Tongariro ..	9	8	..	Compound ..	" ..	"	..	..	..	..
Tongonge ..	4	8	..	Oil-engine ..	" ..	"	..	..	..	..
Torea ..	24	60	..	" ..	Twin-screw	"	..	..	..	..
Tot ..	6	16	..	" ..	Screw ..	"	..	..	..	..
Tuabine ..	20	14	..	" ..	" ..	"	..	..	..	..
Tuatea (Dunedin) ..	58	28	230	Compound ..	" ..	Home trade ..	1	2	..	..
Tuatea (Raglan) ..	4	8	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Tu Atu ..	30	60	..	" ..	Twin-screw	"	..	..	..	..
Tui (Auckland) ..	20	6½	..	Compound ..	Screw ..	"	..	..	..	..
Tui (Mercer) ..	1	8	..	Oil-engine ..	" ..	"	..	..	..	..
Tui (Rawene) ..	2½	5	..	" ..	" ..	"	..	..	..	..
Tuirangi ..	72	22	..	Triple-expansion	" ..	"	..	..	..	..
Tukua ..	6	28	..	Oil-engine ..	" ..	"	..	..	..	..
Tuna ..	..	3½	..	Compound ..	" ..	"	..	..	..	..
Turanga ..	19	25	..	Oil-engine ..	" ..	"	..	..	..	..
Tutanekai ..	2	8	..	" ..	" ..	"	..	..	..	..
Una ..	1	3½	..	" ..	" ..	"	..	..	..	..
Undine ..	5	10	..	" ..	" ..	"	..	..	..	..
Uta ..	23	50	..	" ..	" ..	"	..	..	..	..
Vectus ..	22	16	..	" ..	" ..	"	..	..	..	..
Ventura ..	3	7	..	" ..	" ..	"	..	..	..	..
Vesper ..	20	32	..	" ..	Twin-screw	Home trade ..	1	..	..	..
Vesper (Te Kopuru) ..	3	16	..	" ..	Screw ..	Restricted limits	..	..	..	..
Victory ..	17	30	..	" ..	Twin-screw	Home trade ..	1	..	..	..
Viking ..	5	14	..	" ..	Screw ..	Restricted limits	..	..	..	..
Viola ..	3	15	..	" ..	" ..	"	..	..	..	..
Vivid ..	6	14	..	Non-condensing	" ..	"	..	..	..	..
Wabine ..	1,798	720	7,938	Turbine ..	Triple-screw	Home trade ..	9	18	12	3	
Waiapu ..	57	35	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Waihora ..	2,993	410	1,803	Triple-expansion	" ..	Foreign trade ..	10	6	3	3	
Wai-iti ..	5	47	..	Oil-engine ..	" ..	"	1	..	..	..
Waikana ..	67	200	..	Compound ..	Twin-screw	Restricted limits	..	..	..	..
Waikare (Hokianga) ..	1	4	..	Oil-engine ..	Screw ..	"	..	..	..	..
Waikare (Rangiriri) ..	2½	5	..	" ..	" ..	"	..	..	..	..

† Under 20 h.p.

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.	
Waikuku ..	2	5	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Waima ..	6	20	..	" ..	" ..	"	..	..	..	..
Waimarie ..	159	48	..	Compound ..	Twin-screw	"	..	..	..	..
Waimarie (W'gton) ..	53	20	..	Non-condensing	Paddle ..	"	..	..	..	..
Waimea ..	207	100	627	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..
Wainoni ..	3	6	..	Oil-engine ..	Screw ..	Restricted limits	..	..	..	..
Wainui (Picton) ..	2	5	..	" ..	" ..	"	..	..	..	..
Wainui (Akaroa) ..	5	10	..	" ..	" ..	"	..	..	..	..
Waioma ..	5	20	..	" ..	" ..	"	..	..	..	..
Waiomo (Russell) ..	4	10	..	" ..	" ..	"	..	..	..	..
Waione ..	48	80	..	Compound ..	Twin-screw	"	..	..	..	..
Wai-ora (Rotorua) ..	3	15	..	Oil-engine ..	Screw ..	"	..	..	..	..
Waiora (Wanganui) ..	..	75	..	" ..	" ..	"	..	..	..	..
Waiotahi ..	167	56	356	Compound ..	Twin-screw	Home trade ..	4	3	..	..
Wairopi ..	1,229	180	886	Triple-expansion	Screw ..	Foreign trade	7	3	2	3	
Waipapakauri ..	5	9	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Waipuna ..	2½	7	..	" ..	" ..	"	..	..	..	..
Wairau ..	59	20	142	Compound ..	" ..	Home trade ..	1	2	..	..
Waireka ..	72	49	..	Triple-expansion	Twin-screw	Restricted limits	..	..	..	..
Waireka (Russell) ..	3	5	..	Oil-engine ..	Screw ..	"	..	..	..	..
Waireka (Wanga- nui) ..	5	45	..	" ..	" ..	"	..	..	..	..
Wairere ..	41	25	..	Compound ..	Paddle ..	"	..	..	..	..
Wairoa ..	49	40	154	" ..	Screw ..	Home trade ..	1	2	..	..
Wairoa (Nelson) ..	48	16	68	" ..	" ..	"	1	1	..	..
Wairua ..	†	70	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Waitangi (Auckl'd) ..	32	60	..	Compound ..	" ..	Home trade ..	1	..	..	..
Waitangi ..	21	66	296	" ..	Twin-screw	"	1	3	..	..
Waitara* ..	16	3½	..	Compound con- densing	Screw ..	Restricted limits	..	..	..	..
Waitaria ..	2	5	..	Oil-engine ..	" ..	"	..	..	..	..
Waitata ..	2	4	..	" ..	" ..	"	..	..	..	..
Waitemata ..	18	150	..	" ..	Twin-screw	"	..	..	..	..
Waitemata ..	5	13	..	" ..	Screw ..	"	..	..	..	..
Waitohi ..	18	10	..	Compound ..	" ..	"	..	..	..	..
Waiotomo ..	2,719	372	1,728	Triple-expansion	" ..	Foreign trade	10	6	3	3	
Waituna ..	3	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Waiuku ..	49	200	..	" ..	Twin-screw	"	..	..	..	..
Waiwera ..	..	16	..	" ..	Screw ..	"	..	..	..	..
Wakaiti ..	15	39	..	" ..	Twin-screw	Home trade ..	1	..	..	..
Wakapai ..	†	10	..	Compound ..	Screw ..	Restricted limits	..	..	..	..
Wakatere ..	176	140	..	" ..	Paddle ..	"	..	..	..	..
Wakatere (Raglan) ..	4	5	..	Oil-engine ..	Screw ..	"	..	..	..	..
Wakatu ..	95	30	129	Compound ..	" ..	Home trade ..	1	2	..	..
Wallace ..	60	50	..	Non-condensing	" ..	Restricted limits	..	..	..	..
Wanaka ..	1,572	280	1,073	Triple-expansion	" ..	Foreign trade	8	3	2	3	
Waro ..	34	50	..	Oil-engine ..	" ..	Home trade ..	1	..	..	..
Warrimoo ..	2,076	490	3,210	Triple-expansion	" ..	Foreign trade	10	9	6	3	
Waterlily ..	29	20	..	Oil-engine ..	" ..	Home trade ..	1	..	..	..
Wave ..	29	38	..	" ..	Twin-screw	"	1	..	..	..
Waverley ..	93	25	128	Compound ..	" ..	"	1	..	..	..
Weka ..	75	27	137	" ..	" ..	"	1	..	..	..
Weka (Napier) ..	53	20	80	" ..	Screw ..	"	1	..	..	..
Westland ..	8	86	504	" ..	Paddle ..	"	1	3	..	..
Wetere ..	41	22	..	" ..	Screw ..	Restricted limits	..	..	..	..
Whakarapa ..	1½	5	..	Oil-engine ..	" ..	"	..	..	..	..
Whakarire ..	449	120	586	Compound ..	Twin-screw	Home trade ..	5	3	2	3	
Whangape ..	1,900	280	1,188	Triple-expansion	Screw ..	Foreign trade	8	3	2	3	
Whanui ..	3	5	..	Oil-engine ..	" ..	Restricted limits	..	..	..	..
Whisper ..	3	1	..	" ..	" ..	"	..	..	..	..
Whati ..	..	6½	..	Compound ..	" ..	"	..	..	..	..
Wild Rose ..	3	7	..	Oil-engine ..	" ..	"	..	..	..	..
Will Watch ..	48	45	..	" ..	" ..	"	..	..	..	..
Winifred ..	3½	8	..	" ..	" ..	"	..	..	..	..
Wootton ..	90	33	119	Compound ..	" ..	Home trade ..	1	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	..	" ..	" ..	"	..	..	..	..

† Under 20 i.h.p.

RETURN of SAILING-SHIPS TO WHICH SURVEY CERTIFICATES WERE GRANTED DURING THE YEAR
ENDED 31ST MARCH, 1916.

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.	
Agnes Martin	41	Restricted limits	2	..	..
Alert	98	Home trade ..	2	1	..	Or boy.
Alma	56	" ..	2	..	..
Altair	57	Restricted limits	2	..	..
Antiope	1,380	Foreign ..	10	..	3	
Aratapu	122	Home trade ..	4	..	1	
Arrah-no-Pogue ..	139	" ..	4	..	1	
Bee	24	" ..	1	..	..
Clifton	18	Restricted limits	1	..	..
Clio	81	Home trade ..	2	1	..	Or boy.
Combine	24	Restricted limits	1	..	..
Comet	20	Home trade ..	1	..	..
Coronation	85	" ..	2	1	..	Or boy.
Dandy	82	" ..	2	1	..	"
Daphne	20	Restricted limits	1	..	..
Deveron	26	Home trade ..	1	..	..
Dominion	25	" ..	1	..	..
Edith	19	Restricted limits	1	..	..
Edna	22	Home trade ..	1	..	..
Esme	20	Restricted limits	1	..	..
Ethel Wells	19	" ..	1	..	..
Falcon	98	Home trade ..	2	1	..	Or boy.
Gannet	25	" ..	1	..	..
Glenae	11	Restricted limits	1	..	..
Herald	73	Home trade ..	2	1	..	Or boy.
Hero	56	" ..	2	..	..
Huia	20	Restricted limits	1	..	..
Huon Belle	42	" ..	2	..	..
Ida	25	" ..	1	..	..
Inez Dean	12	" ..	1	..	..
Irene	30	" ..	2	..	..
Jane Gifford ..	20	Home trade ..	1	..	..
Janet	22	Extended restric- ted limits	1	..	..
*Kapua	18	Home trade ..	1	..	..
Katie S.	20	Restricted limits	1	..	..
Kereru	106	Foreign trade ..	4	..	1	
Kiatia	20	Restricted limits	1	..	..
Kitty Fraser ..	25	Extended restric- ted limits	1	..	..
Kiwi	19	Restricted limits	1	..	..
Lady of the Lake ..	19	" ..	1	..	..
Lena Gladys ..	24	" ..	1	..	..
Lily	84	Home trade ..	2	1	..	Or boy.
Lily (Nelson) ..	16	" ..	1	..	..
Lizette	25	Restricted limits	1	..	..
Lizzie Taylor ..	77	Foreign trade ..	2	1	..	Or boy.
Louisa Craig ..	683	" ..	8	..	2	
Maggie	20	Restricted limits	1	..	..
Manunui	358	Foreign trade ..	6	1	..	
May	44	Restricted limits	2	..	..
Moa	66	" ..	2	1	..	Or boy.
Moa (Auckland) ..	99	Home trade ..	2	1	..	"
Moehau	23	Restricted limits	1	..	..
Moonah	83	Home trade ..	2	1	..	Or boy.
Ngaru	66	" ..	2	1	..	"
Nor'west	18	" ..	1	..	..
Oban	24	" ..	1	..	..
Onerahi	25	" ..	1	..	..
Pahiki	20	" ..	1	..	..
Pearl Kasper ..	25	" ..	1	..	..
Ranger	64	" ..	2	1	..	Or boy.
Rangi	86	" ..	2	1	..	"
Result	23	Restricted limits	1	..	..
Rewa	7	" ..	1	..	..
Rimu	49	Home trade ..	2	..	..
Rona	618	Foreign trade ..	8	2	..	
Saucy Kate	25	Restricted limits	1	..	..
Scot	18	Home trade ..	1	..	..
Seagull	25	" ..	1	..	..
Stag	19	Restricted limits	1	..	..
Stanley	90	" ..	2	1	..	Or boy.
Sunderland	20	" ..	1	..	..
Talisman	84	" ..	2	1	..	Or boy.
Tararawa	44	" ..	2	..	..
The Lee	19	" ..	1	..	..
The Portland ..	59	Home trade ..	2	..	..
Thistle	23	" ..	1	..	..
Transit	19	Restricted limits	1	..	..
Vindex	23	" ..	1	..	..
Vixen	15	Home trade ..	1	..	..
Waikonini	23	" ..	1	..	..
Welcome	62	" ..	2	1	..	Or boy.
Winnie	19	Restricted limits	1	..	..
Ysabel	149	Foreign trade ..	4	..	1	

LIST OF BOYS WHO HAVE SERVED ON THE TRAINING-SHIP "AMOKURA" DURING THE YEAR ENDED
31ST MARCH, 1916.

Name.	Date of Joining.	Date of Discharge.	Occupation taken up on Discharge.
Francis, B. C.	19/8/13	25/6/15	Joined s.s. "Arahura" as boy.
Ingham, H. A.	9/9/13	26/5/15	" " "Karori" as O.S.
Thackwell, L. C.	23/10/13	13/8/15	
Chapman, F. G.	21/1/14	13/8/15	Joined "Somerset" as O.S.
Jespersion, V. A.	21/1/14	20/8/15	" " "Kaitoa" as O.S.
Kime, G. H.	21/1/14	28/8/15	" " "Wimmera" as O.S.
Hayes, F. A.	21/1/14	19/8/15	" " "Tarawera" as boy.
Horton, E. C.	26/1/14	13/8/15	" " "Koromiko" as O.S.
Strongman, C. D.	22/1/14	21/8/15	" " "Mokoia" as O.S.
Sewell, J.	21/1/14	13/8/15	" " "Squall" as O.S.
Redshaw, L. J.	22/1/14	16/8/15	" " "Paloona" as boy.
Hooker, A. B.	20/1/14	6/8/15	" " "Arahura" as boy.
Henry, J. W.	27/3/14	24/9/15	" " "Petone" as O.S.
Wolfe, J. H.	21/5/14	14/1/16	" " "Paloona" as boy.
Wilkins, A. F.	21/5/14	14/1/16	" " "Kaiapoi" as O.S.
Ramsay, A. McK.	21/5/14	19/1/16	" " "Kowhai" as O.S.
Hancock, J. C.	21/5/14	12/1/16	" " "Kaitoa" as O.S.
Hards, L. G.	21/5/14	13/1/16	" " "Manuka" as boy.
Johnston, F. D.	21/5/14	14/1/16	" " "Paloona" as O.S.
Murrell, H. A. C.	21/5/14	12/1/16	" " "Pateena" as boy.
Gee, G. S.	21/5/14	20/1/16	" " "Squall" as O.S.
Stubbs, W.	29/5/14	..	Still on board.
Wilcox, A. W. H.	27/5/14	18/12/15	Joined s.s. "Arahura" as boy.
Collins, W. C.	9/6/14	11/1/16	" " "Arahura" as boy.
McGrath, L. J.	9/6/14	28/2/16	" " "Kamo" as boy.
White, L. O.	21/6/14	25/2/16	" " "Komata" as boy.
Sussex, V.	30/6/14	29/2/16	" " "Tofua" as O.S.
Stalker, L.	31/7/14	..	Still on board.
Jenkins, J. S.	3/8/14	..	" "
Heaphy, J.	14/8/14	..	" "
Halliday, F. S.	24/8/14	..	" "
Williams, J. G. F.	3/9/14	..	" "
Kerr, G. D.	4/9/14	..	" "
Morris, W. A.	17/9/14	..	" "
Cruller, W. L. H.	12/10/14	..	" "
Body, G. A. V.	28/10/14	..	" "
Neall, F. C.	26/1/15	..	" "
McArthur, M. M.	26/1/15	..	" "
Edwards, K. A.	26/1/15	..	" "
Roberts, W. D.	26/1/15	..	" "
Ovenden, S. E.	26/1/15	..	" "
Smith, J. A.	26/1/15	..	" "
Milne, D. V.	26/1/15	..	" "
Haydock, A. E. J.	26/1/15	..	" "
Charman, F. V. H.	26/1/15	..	" "
Herivel, H.	26/1/15	..	" "
Hoare, D. O'B.	26/1/15	..	" "
Angus, S. C. J.	26/1/15	..	" "
Lundon, R. J.	27/1/15	..	" "
Stanlake, R. B.	20/1/15	..	" "
Leeves, L. W.	20/1/15	..	" "
Tollitt, N. H.	5/3/15	..	" "
Murrell, I. R.	17/3/15	..	" "
Stanlake, R. B.	21/3/15	..	" "
Laing, P. C.	17/3/15	..	" "
Smith, R. E.	31/5/15	..	" "
Humphries, F. R.	1/6/15	..	" "
Parsons, H. G.	1/6/15	..	" "
Lloyd, M. E. L.	1/6/15	..	" "
Bacon, H. W. B.	1/6/15	..	" "
Wills, A.	1/6/15	..	" "
Thomson, C. W.	1/6/15	..	" "
Holden, G. C.	7/6/15	..	" "
Ingram, C. W. N.	16/6/15	17/1/16	Medically unfit: granted discharge.
Birkner, V. L. W.	18/6/15	..	Still on board.
Lowry, H. F.	23/7/15	..	" "
Jackson, L. M. D.	21/9/15	..	" "
Denny, C. M.	21/9/15	..	" "
Cook, J. W.	21/9/15	..	" "
Bax, J. H.	21/9/15	..	" "
Retter, G. P.	21/9/15	..	" "
Wilson, F. E. L.	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, H. McD.	26/1/16	..	" "
Kerr, J.	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	..	" "
Johnson, N. R.	26/1/16	..	" "
Fulford, V. M.	25/1/16	..	" "

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, 1916.

Name of Seaman.	Balance to Credit of the Estate on 31st March, 1915.	Amount received.	Amount paid.	Balance to Credit of the Estates on 31st March, 1916.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
John Kidson .. .. .	..	1 13 4	1 13 4	..
C. Fleming .. .. .	..	39 0 0	39 0 0	..
James Maconochie .. .. .	..	23 19 2	23 19 2	..
Hendrick Tru .. .. .	..	1 9 6	1 9 6	..
E. J. Gratwick .. .. .	..	5 7 6	5 7 6	..
F. Warelin .. .. .	..	3 14 8	..	3 14 8
William Christory .. .. .	..	8 7 6	..	8 7 6
P. Rentoul .. .. .	..	58 1 4	58 1 4	..
Frederick William Hunt .. .. .	..	5 1 0	5 1 0	..
F. Robertson .. .. .	..	9 0 10	9 0 10	..
C. W. Lindsay .. .. .	..	8 12 1	..	8 12 1
H. J. Irwin .. .. .	..	4 19 3	4 19 3	..
H. R. McKearney .. .. .	..	3 11 5	3 11 5	..
John Winters	4 5 0	..	4 5 0	..
George Laurenson	24 8 9	52 12 1	77 0 10	..
W. Hollis	5 2 2	..	3 16 10	1 5 4
F. Johnson	1 15 8	..	1 15 8	..
T. R. Noble	13 9 11	..	13 9 11	..
Patrick Connor	0 16 11	..	0 16 11	..
David McRoberts .. .. .	..	13 13 6	7 10 0	6 3 6
Totals	49 18 5	239 3 2	260 18 6	28 3 1

RETURN SHOWING AMOUNTS RECEIVED PRIOR TO 1ST APRIL, 1915, 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	Mason, E., late of "Maori" ..	1 11 6
Collins, E., late steward, "Waitomo" ..	2 7 1	Matheson, D., late A.B., "Kahu" ..	17 3 6
Espada, E., late fireman, "Maunganui" ..	2 14 10	Mays, J. J., late A.B., "Ngaru" ..	4 19 6
Forman, J., late A.B., "Waitemata" ..	3 4 5	Mercer, J., late cook, "Jessie Niccol" ..	1 4 6
Gale, E., late A.B., "Penguin" ..	5 4 9	Muller, J., late fireman, "Arahura" ..	26 15 0
Glaney, 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	Porter, J., late cook, "Duco" ..	2 11 2
Henderson, S., late greaser, "Waipori" ..	11 19 0	Powell, R., late cook, "Karori" ..	10 3 11
Johnson, James, late A.B., "Kini" ..	8 16 4	Sluice, G., late cook, "Kurow" ..	0 7 6
Kennedy, W., late A.B., "Moa" ..	1 3 2	Smith, A., late A.B., "Kairaki" ..	7 17 11
Kennedy, D., late A.B., "Kini" ..	8 16 4	Wadsworth, S., late A.B., "Eva" ..	2 15 4
Knudson, E., late second mate, "Kairaki" ..	15 19 2	Ward, J., late fireman, "Penguin" ..	7 18 7
Lewis, R., late cook, "Clyde" ..	0 16 0	Wassell, R., late A.B., "Elsie Mary" ..	0 7 6
Lindbloom, G. W., late A.B., "Wanderer" ..	2 10 10	West, John, late A.B., "Greyhound" ..	1 17 4
Lindsay, J., late A.B., "Wanderer" ..	1 0 8		

RETURN OF WRECKS AND CASUALTIES TO SHIPPING REPORTED TO THE MARINE DEPARTMENT FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Date of Casualty.	Vessel's Name, Age, and Class.	Rig.	Number of		Nature of		Number of Lives Lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
			Register Tonnage.	Crew.	Passengers.	Cargo.	Casualty.		Direction.	Force.		
1915. Jan. 16	Combine, 4 years	Schooner	24	..	..	Machinery	Foundered; £60 damage	..	..	..	Vessel was overlaid, and master did not take proper precautions to ensure the working of the pumps during the night. The master and owners were ordered to pay the costs of the inquiry, £19 8s., in equal proportions	J. E. I. Johansen.
" 24	Fram, 39 years	Norwegian barque	699	12	..	Guano ..	Stranded; total loss	..	N.W.	Squally	The vessel was moored off the spit when a heavy squall carried the moorings away, and the ship immediately drifted ashore and went to pieces	A. Stub.
" 27	Marama, s.s., 8 years	Schooner	3,952	142	97	General	Stranded; damage, £18,000	..	S.E.	Strong	The stranding was due to the master mistaking the Montara light for that of the San Francisco light-vessel. The Court was of opinion that the stranding was not due to the default of the master, but was contributed to by the neglect of the second officer, John McCulloch, to inform the master of the existence on the ship of a chart later in date than that used by the master prior to the stranding	R. Crawford.
Mar. 7	Welcome, scow, 11 years	Schooner	62	4	..	Ballast	Collision; slight damage	..	S.S.E.	Light ..	The launch was at anchor in the channel when the scow ran into her	E. McGierney.
" 7	Una, 2 years ..	Launch	Under 5	4	..	Ballast ..	Collision; slight damage	..	..	..	..	J. Verran.
" 9	Waimarie, s.s. 19 years	Schooner	159	18	25	General	Collision; damage, age, £48	..	S.W.	..	The collision was caused through the second mate of the "Waimarie" keeping to port instead of to starboard	J. Freeman.
" 9	Taniwha, s.s., 17 years	Schooner	191	18	20	General	Collision; no damage	..	W.	Gale ..	Foresheet and gaff carried away whilst wearing ship	W. Greenberg.
" 16	Kaeo, o.e.v., 10 years	Schooner	166	9	2	General	Damage to rigging	..	S.	Moderate	A blade of the turbine propeller broke; cause not known	T. H. E. Lane.
" 20	Niagara, s.s., 2 years	Schooner	7,582	231	233	General	Propeller-blade broken; damage, age, £1,430	..	N.E.	Gale ..	Vessel was struck by lightning	J. T. Rolls.
" 20	Cis, 30 years ..	Barque	1,501	15	..	Nickel-ore	Damage to masts and rigging, £2,410	..	..	..	..	H. Isaksen.
April 1	Storm, s.s., 11 years	Schooner	186	15	..	General	Broken crank-shaft	..	N.W.	Breeze	High-pressure crank-shaft broke without warning, due to internal flaw in metal	F. E. Woods.
" 5	Kina, o.e.v., 13 years	Launch	5	2	..	..	Fire; damage, £200	..	..	Calm ..	Fire broke out in the engine-room through the ignition of motor-spirit, and considerable damage was done before it could be extinguished	W. Whittingham.
" 10	Onerahi, 3 years	Ketch ..	25	4	..	Shingle	Struck a rock; damage, £25	..	N.E.	Light ..	Struck a submerged rock	G. Carey.
" 12	Riverina, s.s., 10 years	Schooner	2,808	105	90	General	Collision with wharf; slight damage	..	..	Calm ..	Ran into the wharf when berthing	G. F. Entwistle.

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

Date of Casualty.	Vessel's Name, Age, and Class.	Rig.	Number of		Nature of		Number of Lives lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
			Crew.	Passengers.	Cargo.	Casualty.			Dirac-tion.	Force.		
July 20	Himitangi, s.s., 16 years	Schooner	149	16	General	Trifling accident to machinery	..	At sea between Chat-ham Islands and Lyttelton	N.W.	Strong	Steam-pipe burst owing to flaw in copper ..	C. Thompson.
" 25-27	Waimate, s.s., 19 years	Schooner	3,629	56	General	Damage by heavy seas	..	South Indian Ocean	S.W.	Gale ..	The ship encountered very stormy weather for three days and shipped heavy seas, which did considerable damage to ship and cargo	G. F. Mead.
" 27-30	Ota ki, s.s., 7 years	Schooner	4,611	62	General	Damage by heavy seas	..	South Indian Ocean	S.W. and N.W.	Gale ..	The ship experienced very heavy gales, rising to hurricane force, and shipped heavy seas, which carried away the deck cargo. Very little damage was done to the ship	A. B. Smith.
" 29	Sparrowhawk, s.s., 3 years	Ferry-boat	99	4	Vehicles	Collision; trifling damage	}	Auckland Harbour ..	S.W.	Light ..	The vessels collided in dense fog ..	C. Williams.
" 29	Eagle, p.s., ..	Ferry-boat	138	4	..	Collision; trifling damage		Barrett's Reef, Wellington Heads	N.	Light ..	The master did not take proper precautions to see that the vessel was kept on her proper course within the white sector of Some's Island light. His certificate was suspended for three months, and he was ordered to pay the costs of the inquiry	C. Poole.
Aug. 5	Corinna, s.s., 33 years	Schooner	812	30	General	Stranded; damage, £500	..	King's Wharf, Auckland	..	..	The cause of the explosion, which fatally injured the master, is not known, but was probably due to carelessness on the part of those on board, who were smoking and were under the influence of liquor	D. Cameron.
" 21	Rosalie ..	Cutter ..	6	1	Explosives	Explosion of keg of powder; damage, £75	1	Lat. 33° 53' S., long. 153° E.	..	..	The H.P. piston-rod ran hot, and the H.P. engine was disconnected and the trip continued with the engines working compound	W. R. Huff.
" 26	Riverina, s.s., 10 years	Schooner	2,808	98	General	Broken piston	..	Orewa Beach, Auckland	N.W.	Calm ..	The master set the course and left the vessel in charge of William Sutcliffe, A.B., who altered the course without authority, and also failed to call the master, as instructed, and consequently ran the vessel ashore	G. F. Entwistle.
" 31	Endeavour, aux., 11 years	Schooner	54	4	Coke ..	Stranded; slight damage	..	25 miles from Godley Head	..	Calm ..	The intermediate slide-spindle broke ..	A. E. Ragg.
Sept. 9	Riverina, s.s., 10 years	Schooner	2,808	99	General	Slight accident to machinery	..	Cook Strait ..	N.W.	Light ..	Struck a submerged object, presumably a floating log	G. F. Entwistle.
" 9	Squall, s.s., 11 years	Schooner	145	14	Cement	Broken propeller-blade	..	Off Ponto Point, Kaipara	S.	Gale ..	The vessel was steering a course with the sun right ahead, and the red buoy marking the channel was not distinguished in the bright sunshine until it was too late to avoid running on to a sandbank	R. Fletcher.
" 20	Waihora, s.s., 7 years	Schooner	2,993	41	..	Stranded; no damage	..	Mouth of Tupapeka River	..	Calm ..	A valve had been left open, and as the vessel was filling with water she was beached to avoid sinking	A. C. Showman.
" 25	Clutha, p.s., 4 years	..	96	6	General	Stranded; no damage	..		..	Calm ..		K. Tsukigawa.

Sept. 30	Awahou, s.s., 3 years	Schooner	151	15	..	Flax ..	Stranded; damage, £20	..	Manawatu River	W. ..	Fresh breeze	The vessel touched bottom when crossing the bar, lost steerage-way, and grounded inside the bar, the only damage being a twisted rudder	R. Rodger.
Oct. 6	Rakanoa, s.s., 19 years	Schooner	1,393	28	..	Coal ..	Stranded; no damage	..	Otago Harbour	S.E.	Moderate	Vessel grounded in channel, which had apparently shoaled	G. M. Ruxton.
" 10	Kaitoa, s.s., 6 years	..	133	15	4	General	Stranded; no damage	..	Okuru Point, Blind Bay	N.	Light ..	When going dead slow in a fog the vessel touched the rocks	J. E. Stevens.
" 13	Margaret, o.e.v.	Cutter ..	5	2	..	..	Collision; damage, £17	..	Auckland Harbour	S.W.	Calm	Both vessels were under sail only—the "Margaret" was close-hauled, whilst the "Sunderland" was running free; and it was the duty of the "Sunderland" to give way, but the master was misled by the spray at the side of the "Margaret" into the belief that the engine was being used, and did not give way, the collision resulting. No order made as to costs	F. Von Hartung.
" 13	Sunderland, 39 years	Cutter ..	20	3	..	..	Collision; damage, £50	..	Tasman Sea	N.W. and W.N.W.	Fresh breeze to gale	When proceeding to Macquarie Island the vessel was found to be leaking, and put back to Port Chalmers. The leakage was found to be caused by the neglect of the shipwrights who had been repairing the vessel to plug up some auger-holes they had made whilst lying at anchor off the beach a heavy gale sprang up and caused the vessel to drag her anchor and drift ashore	A. C. Fraser.
" 15-19	Rachel Cohen, 44 years	Schooner	95	16	..	Coal, &c.	Leaking ..	..	..	..	..	When proceeding to Macquarie Island the vessel was found to be leaking, and put back to Port Chalmers. The leakage was found to be caused by the neglect of the shipwrights who had been repairing the vessel to plug up some auger-holes they had made whilst lying at anchor off the beach a heavy gale sprang up and caused the vessel to drag her anchor and drift ashore	W. J. McBryde.
" 17	Combine, 5 years	Schooner	24	3	..	Shingle	Stranded; damage, £43	..	Waiara Beach, Haunaki Gulf	S.W.	Gale ..	Whilst lying at anchor off the beach a heavy gale sprang up and caused the vessel to drag her anchor and drift ashore	W. M. Thompson.
" 22	Falcon, 38 years	Schooner	98	5	..	..	Stranded; total loss	..	North Head, Raglan	S.W.	Squally	The vessel met with heavy weather, and leaked so badly that the master endeavoured to make Raglan Harbour for shelter; but when crossing the bar the vessel was driven ashore on the North Head and became a total wreck	H. Johansen.
" 30	Countess, s.s., 15 years	Schooner	57	4	..	..	Fire; damage, £200	..	Wharf, Auckland	..	..	Fire was discovered in the cabin by the master, who was awakened about 2.30 a.m. by the smoke. The fire was suppressed by the fire brigade. Cause not known	A. G. Nilsson.
Nov. 5	Monica II, s.s., 6 years	Cutter ..	29	5	3	Wool ..	Slight accident to machinery	..	Pigeon Bay	N.W.	..	Crosshead bolts carried away	G. T. Clarke.
" 6	Mapourika, s.s., 17 years	Schooner	718	43	..	General	Stranded; trifling damage	..	Clay Point, French Pass	N.	Fresh breeze	The cause of the stranding was due to the state of the weather, which obscured the point, and an electrical atmospheric disturbance, which affected the compass so as to make it temporarily inaccurate	W. J. Carey.
" 17	Fairy, s.s., 46 years	Schooner	33	3	..	Fishing-vessel	Collapse of furnace; damage, £150	..	Napier	..	..	Caused by the excessive use of oil of a saponaceous nature for internal lubrication, the ineffective state of the scum-valve, and the failure of the engineer to make a searching examination when he discovered a leakage. The engineer was ordered to pay £2 towards the cost of the inquiry	W. Johnson.
" 19	Thistle, o.e.v., 1 year	Launch	1	2	3	..	Collision; trifling damage	..	Off Knobby Point, Bay of Islands	N.E.	Light	The launch "Thistle" was anchored with a party engaged in fishing when the barge, in tow of two launches, ran into her	R. R. Forsyth.
" 19	(No name), 2 years	Barge	15	..	..	Timber	Collision; trifling damage	..	..	..	..	..	..

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

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.		
Nov. 20	Duchess, s.s., 18 years	Cutter	137	6	170	Collision with wharf; no damage to ship	..	Ferry Wharf, Wellington	N.	Light ..	When endeavouring to pass a hulk which was being towed across the course, the vessel collided with the wharf	J. Lowry.
" 21	Wimmera, s.s., 11 years	Schooner	1,872	76	80	Collision with wharf; no damage	General	Queen's Wharf, Wellington	S.E.	Moderate gale	When the vessel was being moored the strong wind caused her stem to strike the wharf and cause it some damage	H. J. Kell.
" 26	Rewa, o.e.v., 2 years	Launch	6	2	1	Capsized; no damage to ship	Iron rails	Tasman Bay	S.W.	Light ..	The vessel was swamped through being top-heavily loaded. The master was not entitled to carry deck cargo, and was ordered to pay the cost of the inquiry	E. V. Johnson.
" 28	Waitohi, s.s., 12 years	Cutter	18	3	..	Stranded; trifling damage	..	Tory Channel	N.W.	Fresh breeze	Pin came out of shackle of steering gear, and the tide carried the vessel ashore, slightly damaging her stern	A. A. Perano.
Dec. 2	Jane, o.e.v., 30 years	Cutter ..	22	5	..	Stranded; no damage	General	Okura River	..	Calm ..	Whilst proceeding up the river the engines stopped, and the current carried the vessel on to a sandbank	O. F. McIntyre.
" 9	Ashburton, s.s., 10 years	Schooner	2,833	47	..	Slight accident to machinery	General	Lat. 38° 46' S., long. 164° 40' E.	..	..	The L.P. column of main engines was found to be cracked at fillet in front and on either side and a bolt broken	C. Matthews.
" 13	May, 23 years	Schooner	44	4	..	Stranded; damage, £60	..	Waiheke Island, Auckland	E.	Fresh breeze	When being beached to load shingle a gust of wind caught her and drove her on the rocks	A. E. Ragg.
" 22 (and Feb. 5, 1916)	Talawa, s.s., 9 years	Schooner	2,408	42	..	Fire; slight damage	..	(1) Off Cape Barra-coutta, South Africa, and (2) about 150 miles off North Cape, New Zealand	..	..	Fire was discovered in bunkers, and extinguished, on 22nd December, 1915, and again on 5th February, 1916. Supposed to have been due to spontaneous combustion	J. N. Beightton.
1916. Jan. 1	Himitangi, s.s., 16 years	Schooner	149	16	..	Broken propeller-blades; damage, £35	Wool ..	Manukau, Chatham Islands	N.W.	Light ..	Vessel struck a sunken rock, and stripped three blades of her propeller	C. Thompson.
" 6	Poherea, s.s., 26 years	Schooner	749	25	..	Stranded; no damage	General	Otago Harbour	S.E.	Strong	Whilst proceeding from Port Chalmers to Dunedin the vessel grounded on a sandbank, but floated off on rising tide	J. Baldwin.
" 12	Magie, aux., 14 years	Schooner	58	4	..	Stranded; damage, £15	..	Evans Bay, Wellington Harbour	N.N.W.	Strong..	On leaving the wharf at Miramar the wind proved too strong for the oil-engines, and the vessel drifted ashore	P. Peldek.
" 17	Iona, o.e.v., 5 years	Fishing-launch	2	2	..	Fire; total loss	..	Moto Rua Island, Bay of Islands	S.	Light ..	The benzine ignited when the tank was being refilled, and the launch was burnt to the water's edge. It is not known what caused the oil to ignite	S. Hansen.
" 18	Mana, s.s., 30 years	Schooner	77	10	..	Collision with wharf; damage, £15	Produce	Wellington Harbour	N.	Light ..	Owing to the engines refusing to go astern the vessel ran into the wharf	V. E. Johansen
" 21	Kawau, s.s., 17 years	Schooner	53	9	23	Trifling accident to machinery	General	Hauraki Gulf	W.	Light ..	The H.P. eccentric strap carried away ..	E. Olsen.

Jan. 21	John, s.s., 17 years	Schooner	134	11	General	Collision with bridge; damage, £50	..	Town Bridge, Wanganui	..	..	In trying to avoid collision with a punt the vessel was carried by the strong current on to the bridge and suffered some damage. The origin of the fire is not known, the only persons on board at the time being two Natives of Niue Island.	W. A. Smith.
" 27	Kereru, 10 years	Ketch	99	9	Benzine	Fire; total loss	..	King's Wharf, Auckland	N.E.	Light ..	The stranding was contributed to by the default of the master in failing to exercise the precaution of taking regular soundings, in view of the heavy fog prevailing, and he was ordered to pay the costs of the inquiry, £6 14s.	R. N. Anderson.
" 31	Komata, s.s., 9 years	Schooner	1,194	28	Coal	Stranded; damage, £500	..	Pencarrow Head	..	Calm ..	The stranding was caused by the default of the master in not using the log to verify the distance run from the Brothers Island to Cape Terawhiti, and in trusting, during the fog, to the ebb tide setting the ship sufficiently to the southward to clear Cape Terawhiti. The master was ordered to pay the cost of the inquiry, £4 4s.	W. J. Carey.
" 31	Kaitoa, s.s., 6 years	Schooner	119	15	General	Stranded; trifling damage	62	Cape Terawhiti	..	Calm ..	The loss of ship and cargo was due to error of judgment on the part of the master in not verifying his distance from Horoera Point, and not making sufficient allowance for the set of the tide. He was ordered to pay the cost of the inquiry, £8 14s.	J. E. Stevens.
Feb. 1	Squali, s.s., 12 years	Schooner	145	16	Wool	Stranded; total loss	..	Near East Cape	..	Calm ..	The loss of ship and cargo was due to error of judgment on the part of the master in not verifying his distance from Horoera Point, and not making sufficient allowance for the set of the tide. He was ordered to pay the cost of the inquiry, £8 14s.	L. B. Vasta.
" 8	Regulus, s.s., 9 years	Schooner	232	19	General	Stranded; no damage	..	Long Island, Queen Charlotte Sound	N.	Light ..	Owing to thick fog the master slowed down and proceeded to anchorage under Long Island, but in doing so the vessel grounded and remained fast for two hours and a half	F. L. Vickerman.
Mar. 1	John, s.s., 17 years	Schooner	134	13	General	Stranded; no damage	..	Port Chalmers	N.	Light ..	Grounded on mudbank in strong ebb tide ..	W. A. Smith.
" 2	Kaitoa, s.s., 6 years	Schooner	119	16	General	Stranded; slight damage	13	Motueka Harbour	N.E.	Light ..	Grounded in channel and damaged propeller-blades	W. A. Wildman.
" 4	Tarawera, s.s., 24 years	Schooner	1,269	68	General	Trifling accident to machinery	50	Off Montara Island	N.E.	Light ..	The L.P. valve-spindle broke. Temporary repairs were effected, and the vessel proceeded to port	D. Ritchie.

RETURN OF ACCIDENTS TO SEAMEN AND OTHERS ON BOARD SHIP REPORTED TO THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED THE 31ST MARCH, 1916.

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.
1915.					
Mar. 5	Taniwha, Auckland	B. Morris, A.B.	Crushed fingers	Paeroa	Whilst slinging sleepers.
" 10	Moeraki, Dunedin	G. Shone, O.S.	Cut foot ..	Lyttelton ..	Trod on some broken glass whilst walking on deck.
" 12	Kittawa, Dunedin	J. Hardwick, A.B.	Injured foot ..	At sea ..	Foot caught under steam-pipe when ship lurched and threw him.
" 14	Tarawera, Dunedin	J. Ryan, A.B.	Injured knee	Wellington	Slipped and fell in bunker hold.
" 16	Pateana, Dunedin	P. H. Way, brass-boy	Scalded arm	Nelson	Scalded arm.
" 18	Rosamond, Dunedin	W. Ashley, fireman	Injured leg	At sea ..	Knocked down by roll of ship, and cut leg.
" 20	Tarawera, Dunedin	H. Adams, butcher	Poisoned thumb	At sea ..	Ran fish-bone into it.
" 20	Mapourika, Dunedin	C. Murrell, greaser ..	Cut arm ..	At sea ..	Slipped on engine-room platform.
" 26	Manuka, Dunedin	J. Scott, fireman ..	Sprained wrist	At sea ..	Whilst shovelling coal.
" 26	Ennerdale, Wellington	T. Marr, A.B.	Injured hand	Greymouth	Hand pierced by tackle-hook.
" 27	Pateana, Launceston	K. Kristen, boatswain	Scalded foot	At sea ..	Whilst working in galley he stepped into bucket of boiling water.
" 27	Paeroa, Auckland	B. Hill, A.B.	Strained back	Kerepuni ..	Whilst discharging cargo.
" 30	Canopus, Dunedin	J. George, A.B.	Fractured ribs and scalp-wound	Lyttelton ..	Fell down hold.
April 2	Waverley, Nelson	D. A. Jones, cook and steward	Injured knee	Foxton ..	Fell on deck.
" 2	Star of Australia, London	A. Rouse, boatswain	Burnt eye	At sea ..	Cinder fell into eye.
" 3	Kennedy, Nelson ..	R. Carnachan, first mate	Injured knee	Greymouth	Kicked whilst getting member of crew aboard.
" 5	Clansman, Auckland	E. H. Cathcart, A.B.	Crushed fingers	Waivera ..	Whilst getting anchor over.
" 6	Rakura, Dunedin ..	G. Traill, O.S.	Drowned	Foveaux Strait	Washed overboard in heavy sea.
" 7	Monowai, Dunedin ..	J. McGrath, steward	Injured hand	Auckland ..	Slipped down companion-way.
" 12	Wahine, Dunedin ..	J. Ruffet, fireman ..	Injured foot	At sea ..	Slipped in fidley.
" 13	Karamu, Dunedin ..	F. Mahon, A.B.	Foot crushed	Greymouth	Caught in winch.
" 15	Wahine, Dunedin ..	R. Saunders, boy ..	Injured arm	Lyttelton ..	Whilst doing boat drill.
" 16	Paloona, Dunedin	J. Hands, fireman ..	Injured head	Lyttelton ..	Whilst lifting smoke-box door chain slipped and a door fell on his head.
" 20	Kamona, Dunedin	G. Mouncey, cook ..	Injured leg	At sea ..	Leg caught on galley-step.
" 21	Himitangi, Wellington	H. Miller, A.B.	Crushed fingers	Chatham Islands	Whilst working timber.
" 23	Wakatere, Auckland	R. W. Service, fireman	Injured eye	Auckland ..	Splashed with caustic soda in right eye.
" 25	Kamona, Dunedin	A. Barnett, O.S.	Strained abdomen	Westport ..	Whilst working a boat.
" 27	Riverina, Melbourne	J. Cardle, A.B.	Injured back	Auckland ..	Fell down hold while putting hatchets on.
" 28	Maori, Dunedin ..	A. Rees, trimmer ..	Strained back	Lyttelton ..	Fell in stokehold.
May 1	Wakatu, Wellington	H. Donnelly, boatswain	Injured hand	Kaikoura ..	Jammed left hand while working cargo.
" 1	Corinna, Dunedin	W. McLachlin, fireman	Sprained ankle	Wellington	When stepping from gangway to deck.
" 2	Opouri, Lyttelton	H. Coles, steward ..	Injured ankle	Lyttelton ..	Fell down stokehold.
" 6	Kini, Dunedin ..	J. Debeney, A.B.	Injured wrist	Greymouth	Slipped off fidley while painting funnel.
" 7	Tarawera, Dunedin	J. J. Woods, steward	Injured back	Gisborne ..	Slipped off half-round.
" 7	Mokoia, Dunedin ..	M. Nicholson, boatswain	Injured arm	Wellington	Fell on deck while berthing ship.
" 7	Wahine, Dunedin ..	C. Bell, trimmer ..	Strained inwardly	At sea ..	Whilst working in bunkers.
" 10	Flora, Hobart ..	R. Wedgeworth, greaser	Fractured rib	Lyttelton ..	Fell in stokehold.
" 11	Kini, Dunedin ..	L. Craig, steward ..	Injured leg	Westport ..	Piece of coal fell on foot.
" 11	Opouri, Lyttelton	E. W. Wilson, A.B.	Injured knee	Lyttelton ..	Slipped on fore-castle-head ladder.
" 14	Invercargill, Dunedin	W. Lindgren, A.B.	Crushed pelvis	Dunedin ..	When shifting vessel was crushed between vessel and piers.
" 15	Maori, Dunedin ..	G. Cole, assistant steward	Injured toe	At sea ..	Hit toe against wire rope.
" 15	Endeavour, Auckland	A. Anderson, A.B. ..	Bruised foot	Auckland ..	Bale of sacks bruised foot.
" 16	Arahura, Dunedin	J. Sheppard, fireman	Bruised side	At sea ..	Slipped on ladder.

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.
1915.					
May 18	Awani, Auckland	H. Pevreal, O.S.	Bruised side and leg	Auckland	Knocked on side and leg by handle of winch.
" 18	Maori, Dunedin	C. Brown, trimmer	Strained inwardly	At sea	While carrying ashes.
" 20	Komata, Dunedin	J. McCall, A.B.	Strained back	Westport	Whilst holding on to wire.
" 20	Kuraw, Dunedin	W. Richards, fireman	Contusion of back	Lyttelton	Fell into crank-pit whilst cleaning engines.
" 20	Kanieri, Auckland	C. Brown, fireman	Crushed fingers	Auckland	Crushed in engine-room.
" 21	Karori, Dunedin	W. Kennedy, cook	Cut hand	Westport	While at work in galley.
" 22	Kahu, Napier	S. Whately, A.B.	Strained back	Auckland	Slipped while carrying sack of coal.
" 22	Kanna, Dunedin	W. Armstrong, cook	Sprained back	At sea	Slipped down alleyway.
" 26	Kiritona, Napier	B. McLeod, A.B.	Cut heel	Napier	By case of kerosene falling on it.
" 26	Maori, Dunedin	S. Wells, fireman	Strained leg	Lyttelton	Strained muscle of hip while shovelling coal.
" 26	Maori, Dunedin	A. Rees, trimmer	Strained arm	Lyttelton	Fell in stokehold.
" 29	John, Wellington	T. Jamie, A.B.	Strained shoulder	At sea	Thrown over wheel in heavy weather.
June 2	Freerader, Auckland	Ted —, casual hand	Drowned	Waikato River	Drowned in river.
" 6	Mokoia, Dunedin	W. Carmichael, O.S.	Acid burn on foot	Dunedin	Case broke, spilling acid.
" 6	Arahura, Dunedin	E. Turner, trimmer	Strained back	At sea	Slipped while going down companion-way.
" 6	Arahura, Dunedin	R. Gamble, trimmer	Sprained ankle	Wellington	Slipped on stokehold-plates.
" 7	Kahu, Napier	W. S. Clark, 1st mate	Bruised foot	Tokomaru Bay	Cargo-hatch fell on foot.
" 7	Tarawera, Dunedin	E. Hoffmann, fireman	Crushed thumb	Dunedin	Caught thumb in iron lavatory-door.
" 9	Kanieri, Auckland	J. Pedersen, A.B.	Strained back	Whangarei	While working cargo.
" 10	Rosamond, Dunedin	T. Hayes, fireman	Wrenched back	At sea	Occurred whilst firing.
" 10	Squall, Napier	J. J. Cottier, 2nd mate	Injured leg	Tokomaru Bay	Caught leg in sling while working cargo.
" 12	Holmdale, Wellington	J. Kay, A.B.	Strained leg	Wellington	Hit while working timber.
" 12	Ngatiawa, Auckland	J. J. Wyatt, A.B.	Crushed foot	Orakei	Crushed between wharf and boat.
" 12	Monowai, Dunedin	M. Harrison, fireman	Injured hand	At sea	Knocked against bulkhead.
" 14	Wahine, Dunedin	V. Barnes, fireman	Injured thumb	At sea	Ran splinter from shovel into thumb.
" 16	Strathendrick, Glasgow	Wang Yee, cook	Fractured leg	At sea	Was knocked over on deck during heavy weather.
" 17	Stormbird, Wellington	W. Townsend, fireman	Ruptured	Wanganui	Fell whilst working in bunkers.
" 23	Tarawera, Dunedin	J. Mace, steward	Broken toe	At sea	Knocked foot against doorstep and broke small toe.
" 23	Fairburn, Napier	G. Pelley, A.B.	Crushed finger	Auckland	When shipping pin of rudder it slipped.
" 24	Kanna, Dunedin	D. Hailstone, fireman	Injured eye	At sea	Received spark in eye.
" 25	Rosamond, Dunedin	W. Simpson, donkeyman	Burnt left elbow	Dunedin	Fell on starting-gear of donkey-engine.
" 26	Opouri, Lyttelton	H. Storey, A.B.	Injured left hand	Lyttelton	Crushed between derrick and winch.
" 26	Kohi, Auckland	W. Mathews, fireman	Bruised leg	Orakei	Occurred whilst loading vessel.
" 28	Maori, Dunedin	A. Clive, fireman	Hernia	Lyttelton	Whilst firing strained himself.
" 28	Navua, Dunedin	J. Long, fireman	Burnt right arm	Dunedin	Burnt while firing.
" 30	Monowai, Dunedin	E. Holmes, fireman	Twisted wrist	Dunedin	Slipped whilst firing.
July 3	Maori, Dunedin	P. Graham, fireman	Strained muscles of groin	Lyttelton	Slipped on plates in stokehold.
" 3	Maheno, Dunedin	J. Wilson, O.S.	Wrenched back	Port Chalmers	Fell down fore-castle-ladder.
" 5	Ngapuhi, Auckland	E. Nelson, fireman	Injured groin	Auckland	Lever of winch struck him.
" 6	Mararoa, Dunedin	T. Turner, A.B.	Injured finger	Dunedin	Occurred in engine-room.
" 7	Himitangi, Wellington	W. Carmichael, O.S.	Injured in abdomen	Lyttelton	Whilst discharging bullocks.
" 8	Mokoia, Dunedin	F. Lavin, fireman	Acid burn on foot	Dunedin	Case of acid burst.
" 8	Waimea, Nelson	A. Ingstrom, A.B.	Burnt eye	At sea	While firing piece of ash got into eye.
" 8	Morning Light, Lyttelton	Karl Kloss	Fractured finger	Te Kopuru	Crushed whilst working cargo.
" 12	Kanna, Dunedin		Broken leg	Grey-mouth	Struck by chain cable.

July 13	Navua, Dunedin ..	S. Young, sculleryman	Sprained ankle	At sea ..	Slipped in freezer.
" 14	Delphic, Liverpool ..	H. Phillips, trimmer	Hernia ..	At sea ..	Collided with wheelbarrow in stokehold.
" 17	Paloona, Dunedin ..	J. Curham, fireman	Injured fingers	Lyttelton ..	Injured in stokehold.
" 20	Wahine, Dunedin ..	W. Condon, fireman	Bruised elbow	At sea ..	Injured in stokehold
" 24	Warrimoo, Dunedin ..	E. Tilley, fireman ..	Poisoned hand	At sea ..	Injured in stokehold, shovelling.
" 28	Willochra, Dunedin ..	F. Crook, A.B.	Injured hand	Fremantle ..	Fell down fidley.
" 29	Rarawa, Auckland ..	B. Burke, 2nd mate	Injured ribs	New Plymouth ..	Injured loading cattle.
" 29	Mapourika, Dunedin ..	W. J. Braid, 2nd steward	Strained back	At sea ..	Strained in storeroom.
" 30	Hua, Wellington ..	J. E. Ellenderson, A.B.	Injured knee	Wanganui ..	While working cargo in hold.
" 30	Whakarua, London ..	J. White, greaser ..	Knife wound in left side	At sea ..	Injured during struggle with cook.
" 31	Talune, Dunedin ..	T. Blundell, butcher	Bruised shoulder	Auckland ..	Slipped on deck.
Aug. 2	Arakura, Dunedin ..	C. Lyons, fireman ..	Injured shoulder	Pictou ..	Slipped in forecastle.
" 4	Kennedy, Nelson ..	C. Nelson, A.B. ..	Injured hand	Nelson ..	Caught in deck-ladder.
" 5	Kurov, Dunedin ..	T. Rudder, trimmer	Injured wrist	At sea ..	While shovelling coal in stokehold.
" 6	Katoa, Dunedin ..	F. Lindquist, boatswain	Leg broken	At sea ..	Fixing ventilator, when sea struck him.
" 9	Ngatoro, Port Glasgow	R. Moneroff, lamps	Injured foot	Lyttelton ..	Hatch fell on foot.
" 11	Dredge 222, Dunedin ..	W. A. Condon, fireman	Burnt elbow	Lyttelton ..	Burnt while in stokehold.
" 12	Warrimoo, Dunedin ..	T. J. Jameson ..	Fatal ..	Dunedin ..	Crushed between dredge-ladder and a pile.
" 12	Awahou, Wellington	J. Meeske, fireman..	Injured hand	At sea ..	While firing.
" 14	Warrimoo, Dunedin ..	G. Cahill, A.B. ..	Injured finger	Wanganui ..	Rail fell on hand.
" 14	Hawera, Wellington	J. Ruffet, fireman ..	Strained himself	At sea ..	While engaged firing in stokehold.
" 16	Waimarie, Auckland	A. Brown, A.B. ..	Injured foot	Patea ..	A quarter of beef fell on foot.
" 17	Paroto, Auckland	A. Pitt, 2nd steward	Scalded knee	Paeroa ..	Scalded right knee.
" 18	Kaitoa, Nelson ..	J. Mullins, A.B. ..	Injured head and body	Auckland ..	While working cargo.
" 18	Waimarie, Auckland	A. Peary, O.S. ..	Injured finger	Nelson ..	Injury to finger, hand afterwards amputated.
" 20	Gael, Auckland ..	H. Williams, fireman	Injured finger	Kapuni ..	Caught in lever of winch.
" 24	Paloona, Dunedin..	G. McKay, O.S. ..	Crushed toe	Auckland ..	Piece of timber fell on toe.
" 25	Manana, Auckland	W. Butler, steward	Injured back	Napier ..	Piece of meat fell on back.
" 26	Mapourika, Dunedin	W. Nelson, 1st steward	Injured foot	Auckland ..	Slipped down stairs.
" 26	Kanieri, Auckland	W. L. Watson, O.S.	Injured finger	At sea ..	Jammed finger in forecandle-door.
" 26	Tatune, Dunedin ..	T. McBrien, O.S. ..	Scalded wrist	Auckland ..	Scalded wrist.
" 29	Warrimoo, Dunedin ..	V. Neilson, 2nd cook	Poisoned finger	Auckland ..	Punctured finger opening bottle of sauce.
" 31	Mapourika, Dunedin	J. F. Moore, trimmer	Bruised elbow	At sea ..	Slipped in stokehold.
Sept. 1	Corinna, Launceston	L. Jackson, O.S. ..	Shock ..	Westport ..	Fell down hold.
" 2	Kauri, Dunedin ..	W. Richards, fireman	Strained arm	Lyttelton ..	Whilst working in stokehold.
" 2	Kahu, Napier ..	O. S. Gascoigne, O.S.	Inflammation of eye	Lyttelton ..	Whilst working had eyes burnt.
" 3	Grayhound, Wellington	W. Marlow, cook and steward	Bruised shoulder	Port Awanui ..	Whilst working in surf-boat.
" 4	Corinna, Launceston	J. Toki, boy ..	Injured shin-bone	Grey mouth ..	Slipped on wet gangway.
" 5	Kapiti, Wellington ..	H. L. Hay, 3rd mate	Injured testicles	Rangiora ..	Fell on deck cargo.
" 9	Calm, Lyttelton ..	J. Brown, A.B. ..	Wicked back	Pictou ..	Slipped on bridge-ladder.
" 14	Welcome, Auckland	H. Gunn, fireman ..	Burnt hand	Wellington ..	While working cargo.
" 15	Mapourika, Dunedin	F. O'Toole, A.B. ..	Strained himself	Lyttelton ..	Burnt in stokehold.
" 16	Te Anau, Dunedin	J. Hendray, 2nd cook	Bad leg ..	Auckland ..	While working logs of timber.
" 18	Glenelg, Auckland	R. Findlay, fireman	Broken thumb	At sea ..	Struck his shin on doorstep.
" 20	Squall, Napier ..	K. Larsen, A.B. ..	Fractured finger	Dunedin ..	Slipped in engine-room.
" 20	Maori, Dunedin ..	G. Robinson, fireman	Crushed foot	Auckland ..	While discharging coal caught finger in wire rope.
" 24	Hurunui, Plymouth	T. Dunne, fireman	Poisoned hand	At sea ..	Piece of iron fell on foot in stokehold.
" 25	Flora, Hobart ..	W. McDonald, fireman	Hernia ..	At sea ..	Ran splinter into hand while in stokehold.
" 30	Maori, Dunedin ..	J. Ryan, fireman ..	Injured wrist	At sea ..	Whilst working on ship.
Oct. 1	Kennedy, Nelson ..	Y. Gard, assistant steward	Strained back	Lyttelton ..	Whilst working in stokehold.
		C. Ferguson, fireman	Injured foot	Foxton ..	Whilst handling linen-bags.
					Whilst working in engine-room.

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.
1915.					
Oct. 6	Kamona, Dunedin	M. Murphy, A.B.	Injured back	Wellington	Fell down forepeak.
" 6	Invercargill, Dunedin	J. Bond, A.B.	Injured knee	Dunedin	Struck by sling of timber.
" 9	Rakana, Dunedin	J. Baxter, trimmer	Bruised knee	At sea	Struck by sea.
" 10	Kennedy, Nelson	J. G. Gilbertson, 2nd mate	Injured spine	At sea	Fell while setting sail.
" 11	Ngakuta, London	A. R. Cant, 1st mate	Crushed toes	Grey mouth	Derrick fell on foot.
" 12	Rarawa, Auckland	J. Fienev, A.B.	Injured hand	New Plymouth	While mooring ship severely injured hand.
" 13	John, Wellington	C. Anderson, A.B.	Sprained wrist	Tinaru	While loading wheat.
" 16	Victoria, Melbourne	J. Flood, greaser	Injured finger	Auckland	Fell against winch-gear.
" 19	Arahura, Dunedin	M. Eyles, brass-boy	Crushed toes	Pictou	Caught foot in winch.
" 21	Kotare, Dunedin	G. Silva, trimmer	Fractured jaw and skull	Dunedin	Injured in engine-room.
" 22	Mapourika, Dunedin	W. Campbell, A.B.	Strained back	Wellington	While taking off bunker-hatches.
" 25	Mararoa, Dunedin	M. Copeland, trimmer	Injured shoulder	Dunedin	Fell in stokehold.
" 26	Maori, Dunedin	W. Berginan, greaser	Injured testicles	Lyttelton	Slipped in stokehold.
Nov. 2	Irina (scow), Auckland	A. C. Hanson, A.B.	Sprained leg	Auckland	Sprained leg at work.
" 3	Mapourika, Dunedin	J. Sherrill, fireman	Injured foot	At sea	While trimming coal.
" 6	Mararoa, Dunedin	P. Cahill, assistant steward	Injured leg	Wellington	While working cargo.
" 8	Mapourika, Dunedin	R. Craig, steward	Injured leg	Grey mouth	While carrying luggage.
" 8	Talune, London	R. Whiting, trimmer	Ruptured blood-vessel	At sea	While shifting coal in bunker.
" 8	Mararoa, Dunedin	L. Lippert, trimmer	Injured knee	Lyttelton	Injured in stokehold.
" 9	Kaituna, Dunedin	J. Cameron, A.B.	Bruised	Westport	Fell down bunker-hatch.
" 12	Rarawa, Auckland	J. Hood, cook	Bruised arm	Onehunga	Bruised with steam-press.
" 13	Kahika, Dunedin	J. Charleston, A.B.	Poisoned knee	Lyttelton	Wire rope struck knee.
" 15	Maori, Dunedin	F. Gates, nightwatchman	Hernia	Wellington	Strained lifting case.
" 17	Hebburn, Newcastle (England)	A. Bagge, chief steward	Septic finger	Lyttelton	Ran fish-bone into finger.
" 19	Clansman, Auckland	J. R. McKenzie, O.S.	Finger crushed	Auckland	While working cargo.
" 21	Apanui, Auckland	A. Johnston, A.B.	Injured head	Auckland	While working cargo.
" 22	Rangi (scow), Auckland	E. Strom, A.B.	Bruised arm	Auckland	Struck with chain.
" 23	Wakare, Auckland	H. Hampton, O.S.	Injured finger	At sea	Caught finger in winch.
" 24	Ripple, Napier	G. J. Brown, cook	Scalded arm	Auckland	Spilt hot water over arm.
" 24	Wakatu, Wellington	P. McPherson, A.B.	Injured leg	Wellington	While stowing cargo.
" 26	Kaituna, Dunedin	O. Swanson, A.B.	Fractured ribs	Westport	Struck by derrick.
" 26	Wakatu, Wellington	G. Ellis, A.B.	Lacerated finger	Lyttelton	While working cargo.
" 28	Maori, Dunedin	J. McGreary, fireman	Lacerated finger	Lyttelton	While cleaning out furnace.
Dec. 4	Mokoia, Dunedin	R. Gilkes, cook	Strained back	Dunedin	While lifting sack of potatoes.
" 6	Squall, Napier	J. Ellenderson, A.B.	Injured hip	Wellington	Fell on wool-hook.
" 10	Waimarie, Auckland	C. Keller, A.B.	Bruised elbow	Paeroa	While working cargo.
" 10	Calm, Lyttelton	W. Ruegen, fireman	Injured toe	Lyttelton	Dropped ash-bucket on toe.
" 13	Ngaru, Auckland	M. Duggan, A.B.	Bruised thumb	Tutukaka	Caught in screw-jack.
" 15	Opouri, Auckland	A. Wilson, A.B.	Bruised hand	Houhora	While working cargo.
" 15	Mararoa, Dunedin	G. F. Smith, trimmer	Injured finger	Lyttelton	Whilst firing.
" 20	Maori, Dunedin	A. Hurman, scullion	Strained arm	Wellington	While at work.
" 22	Paloona, Dunedin	W. Young, trimmer	Burnt arm	Lyttelton	Burnt with slice.
" 25	Kauri, Dunedin	A. Lilydahl, A.B.	Scalded	Dunedin	Scalded.
" 28	Arapawa, Auckland	J. Poulson, A.B.	Sprained back	Onehunga	While working cargo.
" 28	Waimarie, Auckland	J. Lindgard, A.B.	Bruised foot	Kopu	While working cargo.

Dec.	29	Malto, Napier ..	M. McLeod, assistant cook	Cut finger	..	Napier ..	Cut finger.
"	29	Tahne, Dunedin ..	A. Cumming, A.B. ..	Pricked finger	..	At sea ..	By wire rope.
"	29	Cortuna, Launceston ..	J. Douglas, trimmer	Injured thumb	..	New Plymouth ..	Caught thumb in smoke-box.
"	30	Moana, Dunedin ..	E. Mulcahy, fireman	Strained stomach	..	Wellington ..	While working in stokehold.
"	30	John, Wellington ..	J. Linton, A.B. ..	Fingers crushed	..	Wellington ..	Caught in winch.
"	30	Kahika, Dunedin ..	J. Shannahan, donkeyman	Injured finger	..	Greymouth ..	Lost part of little finger attending to engines.
"	31	Arahara, Dunedin ..	J. N. Inkster, A.B.	Wrenched back	..	Nelson ..	Whilst lifting gangway.
1916.							
Jan.	3	Kereri, Auckland ..	C. Douglas, cook ..	Sprained back	..	At sea ..	While getting bucket of water.
"	4	Apanui, Auckland ..	R. Fownier, chief steward	Cut hand	..	Auckland ..	While taking in stores.
"	6	Canopus, Dunedin ..	A. Brin, trimmer ..	Injured head	..	Lyttelton ..	While working in stokehold.
"	8	Rangi, Auckland ..	F. Watson, A.B. ..	Injured fingers	..	Tauranga ..	Crushed in block.
"	10	Ripple, Napier ..	A. Pearcey, fireman	Inflamed elbow	..	At sea ..	Injured whilst in stokehold.
"	18	Ngapuhi, Auckland ..	A. J. Watt, A.B. ..	Sprained body	..	Tauranga ..	Whilst working cargo.
"	19	Waitemata, Dunedin ..	E. Leen, trimmer ..	Fractured ribs	..	Dunedin ..	Fell in stokehold.
"	19	Victoria, Melbourne ..	S. Grange, trimmer	Injured eye	..	At sea ..	Whilst discharging ashes.
"	22	Clansman, Auckland ..	A. McIntyre, cook ..	Cut finger	..	Auckland ..	Whilst chopping meat.
"	26	Mararoa, Dunedin ..	J. Campbell, fireman	Poisoned finger	..	Lyttelton ..	Jammed in stokehold closing door.
"	26	Mararoa, Dunedin ..	R. Mildenhall, fireman	Poisoned hand	..	Lyttelton ..	While in stokehold foreign matter got in hand.
"	27	Kereri, Auckland ..	C. Brown, A.B. ..	Scalp-wound	..	Auckland ..	Explosion in cargo.
"	27	Kereri, Auckland ..	— Aleke, A.B. ..	Burnt face and hands	..	Auckland ..	Explosion in cargo.
"	31	Manaiā, Auckland ..	W. Poole, A.B. ..	Bruised foot	..	Auckland ..	Case fell on foot.
Feb.	4	Maitai, Dunedin ..	H. Keyworth, trimmer	Cut hand	..	Dunedin ..	Opening tin.
"	4	Hawera, Wellington ..	F. Parner, A.B. ..	Injured knee	..	Wellington ..	Knocked knee on winch.
"	6	Westralia, Melbourne ..	J. Murphy, A.B. ..	Injured hand	..	Sydney ..	Caught in winch.
"	7	Tarawera, Dunedin ..	B. Flaherty, fireman	Crushed hand	..	Auckland ..	Caught in smoke-box.
"	12	Waihora, Dunedin ..	W. Ruegen, fireman	Sprained ankle	..	Lyttelton ..	Slipped on deck.
"	14	Opori, Lyttelton ..	A. McKenzie, A.B.	Dislocated shoulder	..	Lyttelton ..	Fell in forepeak.
"	16	Houto, Auckland ..	T. McLeod, engineer	Injured hand	..	Dunedin ..	Caught in machinery.
"	17	Mararoa, Dunedin ..	W. A. Cairns, 5th engineer	Injured leg	..	At sea ..	Knocked leg in engine-room.
"	19	Maori, Dunedin ..	J. Swales, trimmer	Crushed finger	..	At sea ..	While working in stokehold.
"	21	Waihemo, Dunedin ..	P. Ryan, trimmer ..	Injured elbow	..	At sea ..	Slipped on deck.
"	22	Waitomo, Dunedin ..	J. Montgomery, trimmer	Injured back	..	Wellington ..	While working in engine-room.
"	25	Aparima, London ..	A. R. Waller, apprentice	Fatal ..	..	Port Chalmers ..	Caught by hawser, fracturing skull.
"	26	Mararoa, Dunedin ..	K. Gunn, 3rd engineer	Scalded arms and face	..	At sea ..	Scalded in stokehold.
"	28	Mararoa, Dunedin ..	H. Roderick, trimmer	Poisoned hand	..	Lyttelton ..	Burnt hand slicing fire.
Mar.	3	Weka, Auckland ..	H. Simpson, winch-boy	Fingers lacerated	..	Auckland ..	Hand caught in winch.
"	3	Patea, Dunedin ..	W. Thompson, fireman	Injured hand	..	Wellington ..	Crushed in engine-room.
"	8	Mararoa, Dunedin ..	R. Harper, trimmer	Scalded foot	..	Lyttelton ..	Spilt hot tea on foot.
"	13	Kaituna, Dunedin ..	A. Beyland, A.B. ..	Contused knee	..	Lyttelton ..	Slipped on hatch.

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, 1916.

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid in Wages, Maintenance, &c.		
			£	s.	d.
Ansell, T.	Whangape	Poisoned thumb	8	11	0
Ainsworth, E.	Corinna	Influenza	19	10	9
Allen, M.	Pateena	Colitis	15	14	10
Adams, H.	Tarawera	Poisoned thumb	15	1	3
Ashley, W.	Rosamond	Injured leg	17	19	6
Anderson, A.	Endeavour	Bruised foot	7	5	2
Armstrong, W.	Kanna	Sprained back	11	14	10
Anderson, A.	Orewa	Influenza	7	13	8
Armour, W.	Apanui	Severe cold	8	11	11
Alderdice, T.	Mararoa	Lumbago	10	7	6
Amyes, A.	Mararoa	Diarrhoea	11	11	3
Alexander, S.	Arahura	Influenza	8	17	4
Alquist, L.	Marama	Blood-poisoning	11	9	0
Anderson, C.	John	Sprained wrist	22	14	11
Abbott, H.	Koromiko	Poisoned leg	9	19	5
Alexander, S.	Ngakuta	Rheumatism	9	1	9
Ashley, W.	Mararoa	Gastritis	11	15	7
Alexander, S.	Mapourika	Influenza	12	5	11
Aleke, —	Kereru	Burnt face, hands, and knees	11	18	6
Austin, T.	Maori	Intestinal obstruction	27	7	0
Barron, E.	Waipori	Fractured thumb	30	8	7
Bonner, H.	Karori	Epileptic fit	13	0	8
Bonner, H.	Karori	Epileptic fit	3	7	9
Baxter, J.	Nikau	Influenza	11	14	3
Baxter, J.	Rakanoa	Poisoned wrist	9	9	4
Bond, J.	Kotare	Bruised knee	16	3	3
Bond, J.	Invercargill	Injured knee	20	4	2
Beere, A.	Kamona	Influenza	11	2	6
Brooksley, J.	Tainui	Heart-disease	14	2	0
Batchelor, A.	Wahine	Influenza	7	16	0
Barnett, A.	Kamona	Strained abdomen	8	15	11
Bell, C.	Wahine	Strained inwardly	10	3	9
Brown, C.	Maori	Strained inwardly	10	19	5
Braithwaite, P.	Wahine	Quinsy	15	9	0
Bugby, I.	Maheno	Pleurisy	7	6	4
Barry, C.	Kanieri	Crushed finger	9	3	1
Blundell, T.	Talune	Bruised left shoulder	15	10	9
Burke, Bert	Rarawa	Injured ribs	11	19	5
Butler, W.	Paloona	Injured back	7	3	2
Baggstrom, L.	Manaia	Measles	8	18	10
Barry, G.	Kanieri	Injured wrist	9	19	5
Breen, J.	Ennerdale	Septic throat	12	9	8
Bergman, W.	Maori	Orchitis	15	15	3
Brown, W.	Wootton	Pneumonia	32	0	1
Brin, A.	Canopus	Injured head	12	10	11
Bagge, A.	Hepburn	Septic finger	57	11	6
Bryland, —	Kaituna	Contused knee	8	3	6
Burke, D.	Wimmera	Rheumatism	9	12	8
Brown, W.	Manuka	Piles	10	11	2
Barnes, V.	Wahine	Injured thumb	11	4	4
Berling, O.	Kapiti	Tonsillitis	18	0	0
Bristowe, H.	Monowai	Inflamed foot	9	13	8
Braid, W. J.	Mapourika	Strained back	8	1	4
Burke, D.	Wimmera	Pleurisy	13	4	6
Brown, C.	Maori	Sore throat and cold	8	18	9
Brown, A.	Hawera	Injured foot	18	11	11
Brown, J.	Kapiti	Wricked back	8	4	2
Beattie, J.	Corinna	Swollen foot	19	17	5
Burns, J. J.	Maori	Gastritis	8	15	7
Braid, W. J.	Mararoa	Sore throat	7	9	9
Baker, J.	Mararoa	Influenza	13	9	8
Bennett, G.	Maori	Influenza	9	16	1
Brown, G. J.	Ripple	Scalded arm	10	12	7
Bulliff, A.	Mana	Carbuncle	9	1	9
Booth, B.	Niagara	Appendicitis	8	2	3
Brown, C.	Kereru	Scalp wound	9	10	3
Burns, T.	Fiona	Jaundice	8	17	6
Cameron, J.	Kaituna	Pneumonia	13	4	6
Carter, A.	Pakeha	Heart trouble	18	13	0
Carmichael, W.	Mokoia	Acid-burn on foot	6	17	5
Condon, W.	Wahine	Poisoned elbow	8	8	2
Cargill, T.	Manuka	Nervous breakdown	76	7	11
Copeland, M.	Mararoa	Injured shoulder	47	3	7
Carmichael, —	Kapiti	Ulcerated stomach	30	7	10
Carnahan, R.	Kennedy	Injured knee	33	0	10
Cathcart, H.	Clansmen	Crushed finger	6	7	6
Cardle, J.	Riverina	Injured back	13	13	0
Clark, W. S.	Kahu	Bruised foot	19	15	7
Curham, J.	Paloona	Injured finger	8	12	10
Clive, A.	Navua	Burnt arm	26	15	2
Coels, H.	Opouri	Injured ankle	19	8	0
Clentworth, —	Maori	Dyspepsia	8	17	2
Cole, F.	Maori	Toe injured	18	12	2
Christie, J.	Kauri	Gastro-enteritis	12	4	3
Charleston, J.	Kahika	Poisoned knee	7	18	10

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.
Campbell, J.	Mararoa	Poisoned finger	9 17 10
Compton, —	Kauri	Gastro-alcoholism	4 13 11
Craig, R.	Kini	Injured leg	29 12 6
Crook, T.	Willochra	Injured head	6 17 0
Condon, W. A.	Maori	Burnt elbow	10 1 0
Cottier, J. J.	Squall	Injured leg	37 12 8
Coates, J.	Maori	Influenza	10 2 1
Coleman, F.	Marama	Measles	2 7 0
Cozens, O. R.	Kamo	Bronchitis	10 12 4
Campbell, W.	Mapourika	Strained back	15 7 9
Connelly, W.	Maori	Neuritis	13 14 10
Collins, W.	Maori	Influenza	8 1 7
Cahill, G.	Awahou	Injured finger	41 4 0
Cahill, P.	Mararoa	Injured leg	10 1 6
Craig, R.	Mapourika	Injured leg	19 8 5
Callaghan, R.	Navua	Bronchitis	35 9 0
Clarke, J.	Waihora	General debility	7 6 0
Callender, A. T.	Paloona	Crushed fingers	10 10 5
Cairns, W. A.	Mararoa	Injured leg	9 5 0
Crowley, J.	Waitomo	General debility	10 4 6
Crawley, T.	Victoria	Influenza	12 10 9
Cumming, A.	Talune	Finger poisoned	8 19 1
Cant, A. R.	Ngakuta	Crushed toes	26 17 6
Davidson, K.	Squall	Rheumatism	4 18 0
Dixon, George	Arahura	Gastro-enteritis	10 11 1
Davies, D. T.	Manuka	Carbuncle on back	21 17 1
Donohue, W.	Katoa	Taken ill, sent to hospital	18 19 10
Dryden, L.	Claymore	Diphtheria	9 17 4
Devine, L.	Kaitoa	Internal pains	20 14 7
Dixon, J.	Kini	Lumbago	11 10 0
Donnelly, H.	Wakatu	Injured head	17 14 0
Danicks, T.	Corinna	Strained tendon, right arm	8 13 0
Donnelly, W.	La Blanca	Piles	17 3 6
Doull, A.	Wahine	Influenza	8 16 11
Davis, R.	Moana	Measles	4 19 0
Debney, J.	Kini	Injured wrist	22 19 4
Dunne, T.	Maori	Poisoned hand	8 16 1
Dugdale, J. E.	Maori	Bronchial catarrh	18 11 10
Douglas, J.	Corinna	Injured thumb	24 16 0
Driscoll, J.	Kaiapoi	Sciatica	21 19 0
Douglas, W. E.	Tarawera	Influenza	9 11 7
Duggan, M.	Ngaru	Thumb bruised	9 1 2
Douglas, C.	Kereru	Strained back	11 8 11
Eyles, M.	Arahura	Crushed toes	12 6 2
Evans, J.	Navua	Severe cold	9 16 9
Ellis, G.	Wakatu	Lacerated finger	9 6 0
Edwards, A.	Wakatu	Influenza	6 14 11
Ellendersen, J. E.	Huia	Injured knee	10 3 7
Ellendersen, J. E.	Huia	Injured hip	11 8 5
Fowler, L.	Warrimoo	Inflammation of lungs	25 3 11
Flood, J.	Victoria	Injured finger	11 13 0
Freeman, W. J.	Wahine	Measles	7 15 10
Fleming, C.	Maori	Enlarged liver	66 6 0
Findlay, R.	Te Anau	Injured thumb	9 6 9
Ferguson, C.	Kennedy	Injured foot	29 3 3
Freeman, H.	Pateena	Sciatica	22 1 3
Fahey, J.	Westralia	Swollen foot	10 11 5
Fraser, J. A.	Arahura	Internal pains	37 14 10
Fierney, J.	Rarawa	Injured left hand	3 17 2
Fredericksen, J. W.	Karamu	Poisoned foot	10 8 10
Fownier, R.	Apanui	Cut hand	28 6 6
Flaherty, B.	Tarawera	Crushed hand	12 13 2
Gilberston, J. G.	Kennedy	Injury to spine	22 13 6
Georgeson, J.	Calm	Measles	17 4 7
Gendall, J.	Queen of the South	Injured knee	20 0 0
Gerard, R.	Ngakuta	Ptomaine poisoning	12 2 9
Gascoigne, O. S.	Kahu	Injured knee	7 0 10
George, J.	Canopus	Fractured ribs and scalp wounds	49 10 7
Gunn, H.	Calm	Burnt back of hand	16 5 4
Gard, J.	Maori	Strained back	8 7 2
Gamble, R.	Arahura	Sprained leg	22 13 6
Griffiths, —	Arahura	Influenza	9 6 5
Graham, P.	Maheno	Wricked back	32 8 8
Grand, H.	Corinna	Influenza	9 17 4
Gillespie, J.	Mararoa	Poisoned arm	8 17 4
Gilkes, R.	Mokoia	Strained muscles in back	9 16 9
George, J.	Kennedy	Inflamed knee	11 13 3
Gates, F.	Maori	Hernia	16 0 0
Gunn, R.	Mararoa	Scalded arms and face	8 19 3
Grange, S.	Victoria	Injured ribs	26 14 9
Gill, R.	Westralia	Pneumonia	7 1 0
Hall, M. W.	Kaitoa	Pleurisy	20 9 5
Hoffmann, E.	Tarawera	Crushed thumb	16 14 6
Harding, E. W.	Minerie	Synovitis	24 18 6
Hooper, T. H.	Maori	Lumbago	9 8 6
Handcock, C.	Maori	Wricked back	9 19 3
Hardwick, J.	Kittawa	Injured foot	39 15 1
Hornbrook, J.	Arahura	Laryngitis	10 11 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.
Hewitt, F. P.	Wanaka	Cold in eye	34	8	7
Hilt, B.	Paeroa	Strained back	11	7	8
Hogan, H.	Wanaka	Severe cold	11	9	8
Hayes, T.	Rosamond	Wricked back	14	4	7
Hailstone, D.	Kanna	Inflammation of eye	10	6	8
Hannon, M.	Monowai	Festered hand	12	4	3
Hoy, A.	Warrimoo	Pains in side and in shoulder	17	3	1
Hampton, H.	Rimu	Broken rib	5	6	6
Hansen, A. C.	Irinu	Sprained leg	8	8	4
Hood, J.	Rarawa	Bruised arm	6	14	8
Hooper, T. H.	Maori	Measles	11	16	1
Hands, J.	Paloona	Injured head	12	10	6
Holmes, E.	Maori	Strained muscles, left groin	13	16	11
Hogben, W.	Kauri	Septic corn	8	7	3
Hood, J.	Mararoa	Severe cold	9	7	1
Henderson, A. E.	Calm	Measles	7	18	1
Harper, R.	Mararoa	Scalded foot	10	4	9
Hancock, C.	Maori	Wricked back	11	9	7
Hay, H. L.	Corinna	Injured testicles	10	10	0
Henderson, J.	Mapourika	Bad leg	14	7	6
Hunt, S.	Komata	Neuritis	8	10	0
Haydon, W.	Melbourne	Pleurisy	18	3	4
Herman, A.	Maori	Neuritis	10	0	7
Holmes, W.	Maori	Influenza	7	7	0
Hampton, H.	Wakare	Crushed fingers	5	15	3
Hogan, W.	Paloona	Pain inside	21	16	5
Hastings, E.	Talune	Pain in groin	16	10	8
Hendron, F. P.	Talune	Jaundice	21	5	10
Ingstrom, A.	Morning Light	Fractured finger	25	12	5
Inverarity, A.	Maori	Influenza	17	5	9
Inkster, T. N.	Arahura	Wricked back	21	12	6
Jones, W. A.	Waverley	Injured knee	24	6	4
Johnson, C.	Rarawa	Severe cold	9	4	8
James, W.	Riverina	Pleurisy	15	12	4
John, A.	Wootton	Herpes	11	5	10
Jones, W.	Canopus	Rheumatism	16	4	2
Johnston, G.	Calm	Measles	9	17	0
Jamie, T.	John	Strained shoulder	22	5	7
Jones, D. A.	Waverley	Injured knee	5	0	2
Jenkins, H. S.	Ripple	Varicose veins	91	11	0
Johansen, A.	Kamo	Gastritis	9	2	3
Jones, T. E.	Tofua	Influenza	16	12	6
Jenkinson, J.	Willochra	Inward trouble	6	10	0
Johnson, A.	Apunui	Injured head	6	19	6
Keyworth, H.	Matui	Cut hand	3	8	6
Kjoss, Karl	Kanna	Broken leg	17	0	6
Kavansen, W.	Kaituna	Swollen testicles	11	11	0
Kristen, K.	Pateena	Scalded foot	12	11	10
Kelly, J.	Westralia	Eczema	9	13	0
Kennedy, W.	Karori	Cut hand	3	6	2
Kilowsky, S.	Maori	Ulcer on leg	17	18	6
Kay, J.	Holmdale	Injured leg	16	11	9
Kearney, W.	Maori	Lumbago	11	14	6
Kidson, R.	Alexander	Injured foot	6	4	6
Kelly, C.	Star of Scotland	Bronchitis	32	9	0
Keyes, L. J.	Maori	Influenza	10	17	1
Keller, C.	Waimarie	Bruised elbow	8	2	2
Lundgren, W.	Invercargill	Crushed pelvis	17	1	3
Levin, E.	Waitemata	Fractured ribs	2	18	0
Lilydahl, A.	Kauri	Scalded	12	1	10
Long, J.	Monowai	Injured wrist	16	12	0
Lindquist, F.	Katoa	Broken leg	45	7	3
Livingston, E.	Makura	Appendicitis	7	6	0
Lippert, L.	Mararoa	Injury to right knee	8	3	6
Lyons, L.	Wootton	Piles	18	6	11
Lawarunee, K.	Wahine	Lumbago	19	13	4
Lavin, F.	Waimca	Burnt eye	6	13	10
Lyons, T.	Arahura	Injured shoulder	9	10	9
Linton, J.	John	Crushed fingers	24	9	2
Larsen, K.	Glencg	Injured finger	15	8	8
Lindgard, J.	Warrimoo	Bruised foot	10	10	9
Longley, A.	Manaia	Ordinary illness	19	10	0
Moore, J. F.	Warrimoo	Contusion, elbow-joint	16	3	3
Mahon, F.	Karamu	Foot crushed	13	5	10
Murrell, C.	Mapourika	Cut arm and bruises	10	16	11
Mikelson, P.	John	Periostitis	8	7	5
Miller, H.	Himitangi	Crushed finger	15	1	10
Mauncer, G.	Kamona	Injured leg	26	19	4
Morris, B.	Taniwha	Crushed finger	14	8	8
Meske, J.	Warrimoo	Injured left hand	12	1	11
Mackie, E.	Kurow	Severe cold	14	8	6
Martin, A. C.	Wahine	Rheumatism	9	17	11
Murray, J.	Opouri	Injured hand	22	19	1
Moncrieff, R.	Ngatoro	Injured foot	17	2	0
Morrison, Robert	Mararoa	Rheumatism	8	19	9
Mahon, T.	Opouri	Lung trouble	21	13	6
Miller, H.	Opouri	Muscular trouble	10	15	7
Mildenhall, R.	Mararoa	Poisoned hand	9	15	7
Mahon, T.	Opouri	Bronchitis	13	12	6

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.
Morrow, W.	Wahine	Burnt chest	18	19	11
Mathews, W.	Maori	Rupture	22	3	1
Matheson, W.	Ruby Seddon	Pancreatis	54	6	0
Marlow, W.	Holmdale	Bruised shoulder	16	12	3
Murphy, M.	Kamona	Injured back	13	9	0
Major, N.	Kamo	Erysipelas	10	12	2
Mulcahy, E.	Moana	Gastro-enteritis	3	15	0
Mowatt, D. L.	Waihora	Gastric catarrh	9	0	0
Montgomery, J.	Kaituna	Injured back	2	12	6
Mullins, J.	Paroto	Injuries to head	24	3	11
Matslander, J.	Waihora	Blood-poisoning	10	4	0
Murphy, J.	Westralia	Injuries to head	18	12	0
McDonald, William	Hurunui	Hernia	17	10	5
McLeod, T.	Houto	Injured hand	27	14	9
McLeod, M.	Mako	Cut finger	6	12	4
McCarthy, T.	Arahura	Influenza	12	3	4
McLachlan, W.	Corinna	Sprained ankle	13	9	3
McMillan, J.	Squall	Influenza and bronchitis	9	9	7
McGarth, —	Monowai	Injured hand	10	10	5
McDougal, J.	Apanui	Influenza	7	5	9
McKay, G.	Gael	Crushed big toe	9	7	1
McBrien, T.	Kanieri	Poisoned wrist	10	5	6
McLeod, R.	Kurou	Swelling in abdomen	30	5	6
McDonald, N.	Warrimoo	Lumbago	10	6	7
McKay, S.	Paloona	Scarlet fever	13	18	11
McGeary, J.	Maori	Lacerated finger	9	6	4
McDonald, F.	Calm	Diarrhoea	14	7	8
McKenzie, —	Opouri	Dislocated shoulder	17	6	6
McColl, J.	Komata	Strained back	10	9	10
McPherson, P.	Wakatu	Injured leg	6	4	2
McKay, S.	Manuka	Septic throat	6	18	0
McKenzie, J. K.	Clansman	Crushed finger	14	0	8
McGregor, W.	Flora	Ill	9	15	6
McIntyre, A.	Clansman	Cut finger	31	1	7
Nelson, Charles	Kennedy	Injury to finger	12	6	3
Nordgren, A.	Karori	Heavy cold	11	17	9
Nicholas, C.	Pateena	Ear trouble	26	0	0
Nelson, E.	Mararoa	Festered finger	14	9	8
Neilson, V.	Talune	Poisoned finger	9	8	9
Nelson, E. W.	Opouri	Synovitis of left knee	10	18	4
Naylor, A.	Maori	Gastritis	9	14	7
Nicholson, M.	Mokoia	Injured arm	12	7	11
Naismith, F.	Tarawera	General debility	35	6	4
Nelson, W.	Manaia	Injured foot	34	2	11
Owen, Henry	Delphic	Rheumatism	29	0	6
O'Toole, F.	Welcome	Strained himself	10	17	1
Orley, H.	Arahura	Shingles	11	4	0
Olsen, H.	Stormbird	Ruptured	40	12	6
Pearcy, A.	Kaitoa	Injury to finger	19	15	0
Phillips, H.	Delphic	Hernia	13	17	9
Packer, G.	Tarawera	Appendicitis	12	5	3
Peterson, J.	Wahine	Measles	8	8	10
Pevreal, H.	Awanui	Bruised side	12	1	1
Pelly, G.	Fairburn	Crushed finger	7	15	5
Pedersen, J.	Kanieri	Strained back	8	19	10
Pugh, W. R.	Mokoia	Appendicitis	7	2	7
Pitt, A.	Waimarie	Scalded knee	18	10	6
Phonen, W.	Manuka	Septic throat	8	7	5
Page, J. E.	Karori	Influenza	18	19	3
Purcell, —	Paloona	Influenza	9	0	9
Powel, H.	Maori	Sprained ankle	7	16	3
Peterson, F. J.	Paloona	Poisoned arm	12	12	2
Pearcy, A.	Ripple	Inflamed elbow	15	10	7
Perry, F. R.	Manaia	Influenza	9	1	9
Poulson, J.	Arapawa	Sprained back	7	6	4
Poole, W.	Manaia	Bruised foot	16	6	8
Ruffitt, J.	Wahine	Injured foot	10	15	7
Ryan, T.	Tarawera	Injured knee	7	14	9
Rudder, T.	Tarawera	Injured knee	7	14	9
Rece, Charles	Onerahi	Fractured thigh	18	13	0
Russell, A.	Kini	Lumbago	15	18	0
Rees, A.	Maori	Muscles of back strained	8	12	1
Richards, W.	Kurou	Contusion of back	10	5	1
Rees, A.	Maori	Strained muscles of arm	7	17	2
Richards, W.	Kauri	Inflammation of eyes	8	2	6
Rouse, A.	Star of Australia	Eye inflamed	24	10	11
Ruegen, —	Calm	Injury to toe	26	14	3
Reardon, J.	Ngakuta	Sprained elbow	12	1	6
Roderick, H.	Mararoa	Poisoned hand	8	15	5
Rhodes, L.	Mararoa	Gastric ulcer	13	9	2
Robinson, G.	Squall	Crushed foot	22	8	10
Reardon, J.	Koromiko	Rheumatism	10	7	7
Roseward, A. J.	Maori	Abscess on leg	18	17	0
Ryan, R.	Waihemu	Injured leg	5	17	6
Ryan, J.	Flora	Injured wrist	8	2	2
Ruffet, J.	Warrimoo	Strained himself	31	14	11

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.
Ross, J.	Flora	Inflamed tonsils	12	2	10
Rach, G.	Waitangi	Pains in back	12	15	3
Sinclair, T.	Perth	Inflammation of bowels	11	16	1
Small, I.	Flora	Sciatica and lumbago	9	6	1
Silva, G.	Kotare	Fractured jaw and skull	39	14	8
Smart, George	Warrimoo	Measles	22	3	5
Shannahan, J.	Kahika	Injured finger	18	13	0
Scott, J.	Manuka	Sprained wrist	11	4	0
Saunders, R.	Wahine	Injured arm	4	15	4
Shorter, T.	Pateena	Pneumonia	15	13	11
Service, R. W.	Wakatere	Injured eye	9	12	9
Storcy, H.	Kohi	Bruised shin	11	2	10
Simpson, W.	Rosamond	Injured elbow	17	18	2
Shione, G.	Moeraki	Cut foot	13	12	4
Smith, G. A.	Kowhai	Pains in chest	9	8	0
Swanson, O.	Kaituna	Fractured ribs	8	9	5
Smith, G. T.	Mararoa	Septic finger	14	16	10
Shepherd, J.	Arahura	Bruised side	18	4	5
Soulter, A.	Wahine	Rheumatism	18	3	8
Scott-Gill, A.	Maori	Rheumatism	7	17	0
Stapleton, H.	Awahou	Nervous breakdown	6	19	11
Sparks, H.	Corinna	Sore throat	11	10	7
Scrotten, D.	Monowai	Measles	9	12	9
Sherrill, J.	Mapourika	Injured foot	8	17	4
Sudler, A.	Maori	Ague	7	15	5
Scott-Gill, A.	Maori	Lumbago	11	9	10
Souden, R.	Maori	Muscular rheumatism	9	12	7
Swales, J.	Maori	Crushed finger	9	9	8
Storie, J.	Talune	Swelling under right arm	9	0	3
Smith, E.	Makura	Delirium tremens	1	3	6
Simpson, H.	Weka	Lacerated finger	4	14	0
Taylor, A.	Koutunui	Hernia	23	4	0
Tansley, W.	Kini	Gastritis	10	19	6
Toki, J.	Greyhound	Injured shin	4	11	0
Tait, A.	Warrimoo	Rash on throat	11	17	10
Thompson, G.	Mararoa	Bronchial catarrh	7	3	2
Turner, H.	Mararoa	Pleurisy	10	6	2
Turner, E.	Arahura	Strained back	11	4	2
Tilley, E.	Warrimoo	Poisoned hand	8	1	4
Townsend, W.	Stormbird	Ruptured	38	17	3
Thomas, E.	Wimmera	Influenza	9	5	6
Turner, S.	Himitangi	Injured on abdomen	48	6	6
Tomlinson, J.	Maori	Influenza	30	2	5
Thompson, R.	Blenheim	Bronchitis	12	19	6
Townsend, W.	Mokoia	Inflamed appendix	7	14	1
Thomson, W.	Pateena	Injured hand	9	2	1
Warren, F. J. G.	Karori	Rheumatic fever	6	14	2
Way, P. H.	Pateena	Scalded arm	6	2	4
Weir, John	Kennedy	Erysipelas	15	0	10
Walsh, Martin	Kaituna	Facial paralysis	17	7	5
Willamore, A.	Westralia	Rheumatism	24	0	7
Webster, W.	Wahine	Influenza and bronchitis	5	11	2
Woods, J. J.	Tarawera	Injured back	6	10	2
Wallace, J.	Karori	Influenza	5	18	11
Whitley, S.	Kahu	Strained side	6	10	4
Wilson, J.	Ngapuhi	Injured groin	6	9	6
White, J.	Whakarua	Side injured	3	2	0
Williams, H.	Waimarie	Injured finger	8	16	10
Wyatt, J. J.	Ngatiawa	Foot crushed	42	5	9
Watt, D.	Talune	Taken ill; recommended for medical treatment	11	8	6
Wells, S.	Maori	Strained muscles, left hip	8	5	5
Wales, R.	Wanaka	Pleurisy	6	12	1
Wells, C.	Maori	Rheumatism	7	17	6
White, J.	Whangape	Sprained ankle	9	11	3
Woodford, G.	Koromiko	Rheumatism	9	15	5
Wang, Gee	Strathendrick	Fractured leg	16	16	0
Watson, W. T.	Mapourika	Injured finger	8	0	7
Witsey, W. J.	Maori	Influenza	9	8	6
Warner, F.	Hawera	Injured knee	2	5	9
Wager, G.	Wonganella	Appendicitis	19	10	9
Wells, T.	Katoa	Influenza	31	13	5
White, Thomas	Ngapuhi	Taken ill	21	19	6
Whiting, R.	Talune	Ruptured blood-vessel	24	9	4
Wiseman, G.	Kawau	Difficulty in breathing	10	13	0
Wilson, A.	Opouri	Bruised hand	8	6	1
Watson, F.	Makura	Crushed finger	1	3	6
Watt, A. J.	Ngapuhi	Strained body	6	13	9
Young, D.	Makura	Chicken-pox	7	2	9
Young, S.	Navua	Sprained ankle	26	16	11
Young, W.	Paloona	Burnt arm	19	19	3
Total			£6,269	19	1

RETURN OF ACCIDENTS TO WATERSIDE WORKERS REPORTED TO THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1916

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.
1915.				
April 29	F. Fahey ..	Injured ankle	Bluff ..	Jammed between case and truck.
" 30	H. H. Hopley ..	Crushed hand	Wanganui	Crushed hand against truck.
May ..	R. Messenger	Injured knee	Grey mouth	By sling of timber.
" 5	P. Piper ..	Injured foot	Lyttelton	Caught between traverse rails.
" 7	W. Norton	Crushed toe	"	While working s.s. "Storm."
" 10	H. Peek ..	Scalp wound	Naumai ..	Timber fell from sling.
" 10	P. Malloy ..	Severe bruises	Wanganui	Fell from truck.
" 15	A. Hutchings	Crushed fingers	Grey mouth	Jammed by truck of coal.
" 15	R. Hacking	Fractured left leg	Wellington	Sack of grain fell on him.
June 1	J. Byrne ..	Lacerated hand	Grey mouth	Sling of timber struck him.
" 4	E. Bridger ..	Severe injuries	Wanganui	Fell while working on s.s. "Storm."
" 10	P. Weyman	Injured head	Lyttelton	Struck by cargo hook.
" 11	A. Bowen	Bruised side	Wanganui	Knocked off truck.
" 21	J. Parsons	Injured head	Grey mouth	Fell from truck.
" 26	A. D. McGavin	Fractured left leg	Wellington	Case fell on him.
July 1	E. J. Harman	Overcome by fumes of smoke	"	While working cargo on s.s. "Victoria."
" 9	J. L. Bowden	Concussion of spine	"	Knocked over by coal-basket.
" 31	H. Lynch ..	Sprained back	Grey mouth	Lifting heavy timber.
Aug. 4	C. Clothorpe	Injured leg and shoulder	Port Chalmers	Knocked off truck.
" 4	L. Thomas	Sprained ankle	Lyttelton	Whilst working for Railway Department.
" 5	G. Rydeate	Hand badly crushed	"	Knocked against truck.
" 9	D. Meridith	Injured arm	Bluff ..	Knocked off wagon.
" 14	H. Campbell	Injured head	"	Case fell on him.
" 14	T. Burcombe	Injured foot	Grey mouth	Jammed in truck door.
" 16	T. Cunliffe	Crushed fingers	Lyttelton	Struck by piece of timber.
" 19	E. Marsden	Left foot crushed	"	Whilst receiving cargo.
" 21	J. A. Sheppard	Rib broken	"	Knocked off wagon.
" 28	T. Faull ..	Buttock injured	"	Case fell on him.
Sept. 7	D. Coakley	Crushed hand	Grey mouth	Jammed in truck door.
" 13	J. Marsden	Broken leg	Wellington	Struck by piece of timber.
" 13	T. Quinn ..	Internal injuries	"	Whilst receiving cargo.
" 15	J. Sheahan	Bruised leg	Grey mouth	Fell on hook.
" 16	C. H. Argyle	Injured left side	Lyttelton	Sling of timber struck him.
" 17	W. Alderton	Bruised hand	Grey mouth	Fell from truck.
" 20	P. Nelson ..	Lacerated foot	"	Sling of timber struck him.
" 21	J. Pearce ..	Scalp wound	Auckland	Fell between winch.
" 22	H. Butcher	Sprained ankle	Wanganui	Timber fell from sling.
" 22	A. Alexson	Bruised leg	Grey mouth	Bale fell on ankle.
Oct. 7	A. Ekphim	Crushed thumb	Lyttelton	Sling of timber struck him.
" 11	J. Byrne ..	Crushed fingers	Grey mouth	Crushed between trucks.
" 12	D. Morris ..	Injured scalp	Lyttelton	Hand caught in block.
" 16	J. O'Donoghue	Lacerated hand	Lyttelton	Knocked out of truck.
" 26	F. Walklin	Dislocated shoulder	Timaru ..	Bale of skins hit hand.
" 28	F. Davis ..	Bruised thigh	"	Caught in winch.
" 30	Whiteside	Crushed leg	Grey mouth	Fell off truck.
Nov. 1	P. McGirr	Broken leg	"	Through winch coming out of gear.
				Piano fell on leg.

RETURN OF ACCIDENTS TO WATERSIDE WORKERS REPORTED TO THE MARINE DEPARTMENT, ETC.—continued.

Date.	Name of Person Injured.	Nature of Injury : Fatal or otherwise.	Place where Accident occurred.	Particulars as to Accident and its Cause, and Verdict of Jury if Inquest held.
1915.				
Nov. 5	J. Duncan	Fatal	Dunedin ..	Fell down hold of vessel.
15	C. Oppenheim	Injured leg	Lyttelton	Butter-boxes fell on leg.
" 16	T. Small ..	Sprained wrist	"	Struck by timber.
" 16	F. Edgar ..	Injured head	"	Jammed between pile and wharf.
" 22	J. Gosney	Bruised head	Timaru ..	Piece of rock fell hitting head.
" 23	F. McIntyre	Lacerated fingers	Grey mouth	Caused by broken case.
" 27	A. R. Wilson	Injured head	Lyttelton	Knocked out of truck.
Dec. 6	S. Rose ..	Bruised shoulder	"	Struck by sling of cargo.
10	L. Owen ..	Sprained ankle	Grey mouth	Slipped on piece of timber.
" 14	J. Davlin ..	Sprained foot	"	Falling timber in hatch.
" 20	P. Saunders	Sprained leg	"	Fell off truck.
" 29	T. R. Wilson	Cut arm ..	Wellington	Case fell on arm.
1916.				
Jan. 10	J. Wilson ..	Injured back	Lyttelton	Slipped on deck.
" 11	Max Dickston	Broken kneecap	Wellington	Fell down hold.
" 11	E. Durning	Bruised ..	"	"
" 14	J. Laurie ..	Fatal	Otago Dock	While painting ship fell from staging.
" 14	A. Bechler	Injured spine	Wellington	Fell on board s.s. "Palooa."
" 14	B. Blake ..	Injured eye	Grey mouth	By a hook.
" 16	W. Brice ..	Crushed ..	Wellington	Fell between vessel and wharf.
" 17	Julie Sargentini	Injured legs	"	Struck by truck.
" 18	T. Mitchell	Fractured ankle	"	Roll of paper fell on ankle.
Feb. 9	G. Beaumont	Injured foot	Lyttelton	Barrel of oil fell on foot.
" 12	H. Trout ..	Broken rib	Auckland	Struck by bale of leather.
" 14	— Martin	Broken wrist	Wanganui	Fell from truck.
" 14	H. French	Injured back	Lyttelton	Bag cement fell from sling.
" 24	— Thomas	Injured body	"	Struck by basket of coal.
" 26	Thomas Kierney	Injured head	Auckland	Struck by hook belonging to crane.
March 6	C. Gray ..	Injured back	Wellington	Jammed between bale and stanchion.
" 7	M. Casserly	Fractured leg	"	While crossing wharf tripped over coal.
" 23	E. Illingworth	Contusion of arm	Lyttelton	Caught between bales of wool.
" 25	W. L. Hepburn	Fatal	Dunedin ..	Fall from staging.

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, 1916.

Name of Person.	Position held.	Ship.	[Particulars of Offence, &c.	Date of Conviction.	Penalty imposed.
Adamson, T.	Fireman	Indrapura	Absent without leave	14/7/15	Nil.
Armstrong, William	"	Pakeha	Assault	13/5/15	Fined £4.
"	"	"	Desertion	13/5/15	Fourteen days' imprisonment.
Anderson, F.	"	Kaikoura	"	22/10/15	One month's imprisonment.
Bolin, R.	A.B.	Pakeha	Absent without leave	1/5/15	Two days' imprisonment.
Byanstadt, A.	Fireman	Port Philip	Disobeying lawful commands and using bad language	1/7/15	Fined £3 and costs 7s., or one month's imprisonment.
Burns, N.	"	Matatua	Disobeying lawful commands on high seas	17/9/15	Fined £5 and costs 7s.
"	"	"	Absent without leave	4/10/15	Fined 7s. costs and forfeit one day's pay, in default forty-eight hours' imprisonment.
Benholm, H.	Seaman	Sardhana	Desertion	25/10/15	One month's imprisonment.
Brishgan, P.	"	"	"	25/10/15	"
Burns, J.	A.B.	Pakeha	Absent without leave.	2/2/16	Fined 10s. and costs 7s., or twenty-four hours' imprisonment.
Burgess, L.	Fireman	Delphic	Desertion	9/3/16	Seven days' imprisonment, with costs.
Burns, Peter	"	Opawa	Absent without leave and assault	30/3/16	Fourteen days' imprisonment.
Connelly, J.	"	Pakeha	Absent without leave	30/4/15	"
"	"	"	"	13/5/15	7s. costs.
Coble, J.	A.B.	Rangatiri	Desertion	24/11/15	Fourteen days' imprisonment.
Crick, A. H.	Cook	Paparoa	"	11/1/16	One month's imprisonment.
Campbell, R.	Fireman	Pakeha	Disobeying commands of Chief Engineer	2/2/16	7s. costs, in default twenty-four hours' imprisonment.
Curremans, F.	A.B.	Kumara	Absent without leave	10/3/16	Three days' imprisonment.
Dunn, Patrick	Fireman	Opawa	Disobeying commands	30/7/15	Fined 10s. and costs 7s.
"	"	"	Absent without leave	29/7/15	Fined 8s. 8d. and two days' pay.
Davis, Walter	Greaser	Paparoa	Desertion	14/1/16	One month's imprisonment.
Emery, T.	Seaman	Matatua	Absent without leave	4/10/15	Fined 7s. and expenses 2s. 6d., and forfeit three days' pay, in default seven days' imprisonment.
Finn, G. P.	Fireman	Opouri	Desertion	4/5/15	Costs 7s. and solicitor's fee 10s. 6d.
Finn, Dennis	Seaman	Waivera	Refused commands of officer	4/3/16	Costs 7s. and two days' imprisonment.
Finn, John	Fireman	Wimmera	Desertion	6/11/15	Ordered to forfeit £1 19s.
Fitzgerald, J.	"	Delphic	"	9/3/16	Seven days' imprisonment with costs.
Foley, P.	"	Maitai	"	20/12/15	Two days' imprisonment with costs.
Graves, James	"	Matatua	Disobedience of lawful commands on high seas	17/9/15	Fined £5 and costs 7s.
Gridwait, D.	"	Pakeha	Disobeying commands of Chief Engineer	2/2/16	Fined 7s. costs, in default twenty-four hours' imprisonment.
Houston, A.	Seaman	Delphic	Absent without leave	19/7/15	Fined two days' pay.
Hedlum, C. G. R.	Fireman	Makarini	Disobeying lawful commands of Chief Engineer and broaching cargo	7/8/15	Fined £10 and costs £1 8s.; two months' for broaching cargo.
Hacking, A. J.	"	Indrapura	Disobeying commands	31/7/15	Fined 10s. and costs 7s.
"	"	"	"	31/7/15	"
Hughes, T.	Trimmer	Maitai	Broaching cargo	4/12/15	One month's imprisonment.
Hughes, R.	A.B.	Delphic	Disobeying lawful commands	9/3/16	Twenty-four hours' imprisonment.
Johnston, T.	Fireman	Indrabarah	Absent without leave	3/7/15	Fined two days' pay = 7s. 6d.
Johnston, R.	"	Rimutaka	Assaulting Chief and Second Engineer	13/10/15	Fined £2 or seven days' imprisonment.
Knudsen, John	Seaman	Matatua	Absent without leave	4/10/15	Fined 7s. and one day's pay, in default forty-eight hours' imprisonment.
Lofius, Robert	Fireman	Opawa	Absent without leave and drunk	30/3/16	Twenty-four hours' imprisonment.
Marshall, B.	A.B.	Kia Ora	Absent without leave and disobeying lawful commands	23/6/15	Fined 7s. costs and to forfeit a day's pay.
Miles, E.	Fireman	Delphic	Absent without leave	19/7/15	Fined two days' pay = 8s. 8d.
Murray, H.	"	La Blanca	"	8/7/15	Fourteen days' imprisonment.
Mantle, J. C.	"	Port Philip	Disobeying lawful commands and bad language	8/7/15	Fined £3 and costs 7s., or a month's imprisonment.
Mitchell, E.	"	Opawa	Obscene language, resisting police, and damaging policeman's uniform	14/7/15	Imprisoned till boat sailed, and fined £2 14s.
Mills, E. J.	"	Kumara	Absent without leave	14/9/15	Fourteen days' imprisonment.
Mathews, John	"	Matatua	Disobedience of lawful commands on high seas	17/9/15	Fined £5 and costs 7s.
"	"	"	Absent without leave	4/10/15	Fined 7s. and one day's pay to be forfeited, or forty-eight hours' imprisonment.

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, 1916—continued.

Name of Person.	Position held.	Ship.	Particulars of Offence, &c.	Date of Conviction.	Penalty imposed.
Miller, Charles	Seaman	Hebburn	Absent without leave	24/11/15	To pay costs and forfeit one day's pay = 6s. 8d.
"	"	"	Disobeying lawful commands	24/11/15	To pay costs and forfeit two days' pay = 12s. 8d.
Marshall, S.	"	Sator	Desertion	27/11/15	To pay costs, 7s.
Morris, J.	Fireman	Pakeha	Disobeying commands of Chief Engineer	2/2/16	To pay costs, 7s., in default twenty-four hours' imprisonment.
Miller, J.	"	Delphic	Desertion	9/3/16	Forty-eight hours' imprisonment.
Milne, W.	"	Opawa	Absent without leave	28/3/16	Two days' imprisonment.
McNamara, P.	"	La Blanca	"	8/7/15	Fourteen days' imprisonment.
McConn, T.	Greaser	Matatua	Disobeying lawful commands on high seas	17/9/15	Dismissed.
McDonald, A.	Fireman	Kaipoi	Desertion	25/2/16	Fined 7s. costs and forfeit one day's pay.
McLoskey, W.	"	Pakeha	Disobeying commands of Chief Engineer	2/2/16	Fined 7s. costs, in default twenty-four hours' imprisonment.
McKinnon, C.	A.B.	"	Absent without leave	2/2/16	Fined 10s. and 7s. costs, in default twenty-four hours' imprisonment.
McDonald, E.	Fireman	Zealandic	Desertion	23/3/16	Two days' imprisonment.
McNaughton, Edward	"	Opawa	Absent without leave	30/3/16	Twenty-four hours' imprisonment.
McCarthy, C.	"	"	"	30/3/16	"
Newton, Thomas	"	"	"	30/3/16	"
Nester, John	"	Hebburn	"	26/11/15	"
Nyman, Walmai	"	Arawa	Desertion	23/10/15	To forfeit two days' pay.
Newton, W.	"	Karamea	Absent without leave	4/5/15	Seven days' imprisonment.
Neary, William	A.B.	Hurunui	"	23/9/15	Fined 7s. 6d. and lawyer's fee 10s.
"	Fireman	"	"	23/9/15	Remanded to Tamaru.
Norton, J.	"	Kia Ora	"	24/9/15	To pay expenses connected with case.
Newton, William	"	Opouri	"	5/7/15	Fined two days' pay = 7s. 6d.
Parkins, George	"	Corinthic	Desertion	4/5/15	Fined 7s. costs and solicitor's fee 10s. 6d.
Peatonen, J. A.	"	Arawa	"	7/1/16	One month's imprisonment.
Paulsen, E.	"	"	"	23/10/15	Seven days' imprisonment.
Rennie, M.	"	Matatua	"	12/10/15	One month's imprisonment.
Ruiter, H.	Seaman	Mapourika	Absent without leave	4/10/15	Fined 7s. and one day's pay.
Rutledge, J.	"	Matatua	Refused to take watch	29/2/16	Fined £2, in default seven day's imprisonment.
"	"	"	Absent without leave	4/10/15	Fined 7s. and one day's pay, in default forty-eight hours' imprisonment.
Rossiter, L.	Fireman	Pakeha	Disobeying commands of Chief Engineer	2/2/16	Fined 7s. cost or two days' imprisonment.
Rutsch, A.	Trimmer	Kia Ora	Desertion	4/12/15	Fourteen days' imprisonment.
Singelhurst, L. R.	Seaman	Arawa	"	7/1/16	Fined 7s. costs.
Saigarna, A.	Fireman	Rangatira	"	9/12/15	Convicted and discharged.
Sommer, E.	"	"	Making false declaration	7/1/16	One month's imprisonment.
Spindler, R.	"	Port Philip	Disobeying lawful commands and using bad language	8/7/15	Fined £3 and 7s. costs, or one month's imprisonment.
Turner, J.	A.B.	Pakeha	Absent without leave	30/4/15	Fourteen days' imprisonment.
Thomas, E. A.	Cook	Karamea	"	20/11/15	Two days' imprisonment and fined 7s. 6d. expenses.
Webster, N.	Seaman	Hebburn	Forging certificate of character	17/12/15	Two years' imprisonment.
Whiting, R.	Fireman	Matatua	Absent without leave	4/10/15	Fined 7s. and costs 2s. 6d., and to forfeit two days' pay.
West, W.	"	Niwaru	Deserting	20/8/15	Fined £2 10s.
Williams, William	"	Kumara	Absent without leave	14/9/15	Fourteen days' imprisonment and 7s. costs.
Warn, W. J.	Cook	Corinthic	"	14/9/15	"
Walch, M. J.	Fireman	La Blanca	Desertion	21/8/15	One month's imprisonment.
Williams, W.	"	Somerset	"	13/7/15	Convicted and discharged.
Warner, F.	"	Kia Ora	Absent without leave	29/7/15	Seven days' imprisonment.
Warner, F.	A.B.	"	Absent without leave, and disobeying lawful commands	3/7/15	(1) Fined 7s. costs; (2) forfeit a day's pay, in default forty-eight hours' imprisonment.
				23/6/15	

RETURN SHOWING THE NOTICES TO MARINERS RELATING TO MATTERS WITHIN THE DOMINION
ISSUED BY THE MARINE DEPARTMENT DURING THE YEAR ENDED 31ST MARCH, 1916.

Port or Place.	Subject of Notice.
Astrolabe Road	Beacon on Hapuka Reef.
Auckland	Chevalier Point beacon.
"	Dredging off Queen's Wharf.
"	"
"	"
"	Fog-signal on western tide-deflector.
"	Light at entrance to O'Neill's Point channel.
"	Dredging off Freeman's Bay reclamation.
"	"
"	Dredging off Hobson Wharf.
"	"
"	Whau Creek beacons.
"	Time-signals.
"	Dredgers.
"	Protected areas for yachts and launches.
"	Time-signals.
"	Bean Rock light : Change in characteristics.
"	Waiheke Island : Wharf and beacon in Putiki Bay.
"	Dredges between Queen's and Northern wharves.
"	Devonport sandspit beacon light : Characteristics changed.
"	Dredges between Hobson Wharf and ferries.
"	Launch-landings.
"	Dredging off Hobson Wharf.
Bluff	Dredging on middle bank off wharf.
Gisborne	Removal of old anchorage leading-lights.
Hauraki Gulf	Channel Island light : Change in characteristics.
Kaipara	Caution about entering harbour.
"	Leading-beacons.
Karamea	Light and directions.
Karori Rock	Erection of lighthouse.
"	Exhibition of light.
Lyttelton	Dredging opposite Gollan's Bay.
Mokohinou	Sunken rock off Fanal Island.
Motucka	Caution <i>re</i> mooring piles for dredge and dredge moorings.
"	Harbour Board officers.
Napier	Napier Bluff Light : Alteration in characteristics.
"	"
"	West Pier light.
"	Auckland rock-buoy light.
"	Tidal signals.
"	Night signals.
Nelson	Alteration in characteristics of light.
"	"
"	Tidal-signals discontinued.
New Zealand	" New Zealand Nautical Almanac and Tide Tables," 1916.
"	" New Zealand Nautical Almanac and Tide Tables," 1916. <i>Errata</i> in Auckland tides.
Otago Harbour	Dredging operations at bend south of Harrington Point.
Patea	Dredging.
Ponui Passage	Light at entrance to harbour.
Thames	Alteration in characteristics of light.
"	Leading-lights, Piako River.
Tokomaru Bay	"
"	Hikutu Rock buoy.
"	"
"	Red mooring-buoy sunk.]
"	Berthing-signals from wharf.]
"	Leading-lights.
Wairau Harbour	Night signals for entering harbour.
Wairoa Harbour	Flagstaff light.
Wanganui	Dredging at Railway Wharf.
Wellington	Leading-lights for entering harbour.
"	Time-signals.

RETURN SHOWING THE ORDERS IN COUNCIL WHICH HAVE BEEN ISSUED DURING THE YEAR
ENDED 31ST MARCH, 1916.

Date of Order.	Purpose of Order.
1915.	
April	
1	Approves plans of Auckland Rowing Club's boat-shed alongside Julian's Wall, Freeman's Bay, Auckland Harbour.
„	1 Extends time within which Commission regarding Inland Waterways and other Transport Improvements in the Auckland District shall report.
„	7 Prohibits net fishing in a portion of the Tokomariro River.
„	14 Approves plan of dredging at Helensville Wharf, and breastwork at upper end of wharf, which Railway Department proposes to carry out.
„	14 Approves plan of M.D. 4369 of Otamatea County Council's wharf at Mapau, in Kaipara Harbour.
„	14 Licenses Otamatea County Council to occupy foreshore at Mapau, in Kaipara Harbour, as site for a wharf.
„	14 Revokes Order in Council licensing Lewis Littleproud to occupy foreshore at Mangonui Harbour as site for boat-shed and slip.
„	14 Approves plan M.D. 4392 of wharf for John Fleming and Alfred Dewbery at Tatarariki, Kaipara Harbour.
„	14 Licenses John Fleming and Alfred Dewbery to occupy foreshore at Tatarariki, Kaipara Harbour, as site for a wharf.
„	14 Approves plan M.D. 4408, and authorizes Messrs. Hobday, Morten, and Humphreys to lay a pipe across the Sumner Estuary and to sink an artesian well.
„	14 Makes additional regulations under the Fisheries Act prohibiting the use of more than one rod or line.
„	20 Approves plan M.D. 4323 of Kawhia County Council's reclamation at Kawhia.
„	20 Authorizes Kawhia County Council to reclaim land in Kawhia Harbour.
„	20 Revokes rent for wharves in Tokomaru Bay.
„	20 Makes regulations in regard to the examinations for locomotive-engine driver and traction-engine driver certificates.
„	20 Approves plan M.D. 4324 of Collingwood County Council's wharf.
„	20 Licenses Collingwood County Council to occupy foreshore at Collingwood as site for a wharf.
„	20 Licenses Kauri Timber Company to occupy foreshore at Waihou, Kaeo, Pupuke, and Tairua Rivers as sites for timber-booms.
„	27 Approves plan M.D. 4419 of house and outbuildings for George Peters on foreshore at Porirua Harbour.
„	27 Licenses George Peters to occupy foreshore, Porirua Harbour, as site for house and outbuildings.
May	
4	Approves of extension of breakwaters at Patea as shown on M.D. 4356 being altered to that shown on M.D. 4423.
„	4 Licenses Coleman Phillips to occupy portion of foreshore at Komiti Bay, Kaipara Harbour, and to reclaim such land.
„	11 Vests management of wharves at Port Albert, Mahurangi Heads, Matakana, Sandspit, Upper Matakana, Puhoi, and Warkworth in Rodney County Council.
„	11 Licenses Kauri Timber Company to occupy foreshore at Koutu, Hokianga, as site for a wharf, and prescribes dues and rates for use of wharf.
„	11 Makes regulations governing the management of wharf at Waitangi, Chatham Islands.
„	11 Validates election of John James Graham as a member of the Lyttelton Harbour Board.
„	18 Modifies approval of plan of septic tank which Patea Borough Council proposes to construct in connection with sewerage scheme.
„	26 Prohibits trawling in portion of Hawke's Bay.
„	26 Approves plan M.D. 4435 of Auckland Harbour Board's boat-shelter alongside of Nelson Street jetty.
„	26 Licenses the Northern Steamship Company to occupy foreshore at Hohoua as site for a wharf, and prescribes dues for use of wharf.
„	26 Approves of spans of new wharf at Westport, of which plans were approved on 13th February, 1915, being increased.
„	31 Approves plan M.D. 4432 of Franklin County Council's wharf at Needles.
„	31 Approves plan M.D. 4437 of repairs and additions to Timaru Harbour Board's No. 2 wharf.
June	
7	Approves plan M.D. 4429 of extension of south bank training-wall in Waipu River, and authorizes the Waipu River Board to carry out the work.
„	14 Makes regulations governing the appointment of Harbourmasters and pilots.
„	17 Declares Manukau oyster-fishery.
„	21 Licenses Thomas Crocket to occupy foreshore at Half-moon Bay as site for fish-curing shed.
„	21 Vests management of fisherman's wharf at Helensville in the Helensville Town Board.
„	21 Approves plan M.D. 4463 showing groins or training-walls which Whakatane Harbour Board proposes to construct for the diversion of the channel of the Whakatane River.
„	21 Approves plan M.D. 4420 of Auckland Harbour Board's reclamation in St. George's Bay, Auckland Harbour.
„	21 Makes a special order authorizing the Auckland Harbour Board to reclaim land in St. George's Bay, Auckland Harbour.
„	21 Extends close season for oysters between Albatross Point and Urenui Stream for a period of two years from the 22nd July, 1915.
„	26 Makes regulations governing fishing in certain lakes in Canterbury Acclimatization District.
„	26 Declares portion of foreshore of Mongonui Inlet of the Bay of Islands, fronting the Toatoa and Te Mamaku Blocks, to be an oyster-fishery wherein Maoris only may take oysters for their own food, and prescribes regulations.
July	
5	Revokes Order in Council licensing Thomas Samuel Davies to occupy foreshore at Kaioperepe, Queen Charlotte Sound.
„	5 Prohibits trawling in Akaroa Harbour.
„	12 Prohibits trawling in Le Bon's Bay, Banks Peninsula.
„	12 Revokes rental prescribed for license issued to Great Barrier Island County Council to occupy foreshore at Whangaparapara as site for wharf.
„	19 Approves plan M.D. 4467 of dredging which Westport Harbour Board proposes to carry out, and removal of part of training-wall near lagoon on western side, also approves of Board procuring dredgers as described in specifications.
„	26 Approves plan M.D. 4471 of wharf which Wanganui Harbour Board proposes to build for use in connection with works for Christchurch Meat Company.
Aug.	
2	Appoints Pawa Rakene to act in place of Moki Witikakeu with Heremia te Wake, Kahi Tipene, and Hohepa Heperi as trustees for Natives in respect of foreshore license at Rawene for market-house.
„	6 Makes provision for representation of Te Puke Town District on Tauranga Harbour Board.
„	6 Approves plan M.D. 4470 of jetty for Mrs. L. A. Bigwood, at Taieri Mouth.

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

Date of Order.	Purpose of Order.
1915.	
Aug. 6	Licenses Mrs. L. A. Bigwood to occupy foreshore at Taieri Mouth as site for jetty.
" 16	Licenses Kauri Timber Company to occupy foreshore Waiwawa, Mercury Bay, as site for timber-booms.
" 16	Prohibits exportation of shore, drift, and mangrove oysters except with the consent of the Minister of Marine.
" 16	Approves plan M.D. 4468 of boat-shed and slip for John Nicholson at Kohukohu.
" 16	Licenses John Nicholson to occupy foreshore at Kohukohu as site for boat-shed and slip.
" 23	Modifies conditions for occupation of certain portions of foreshore at Rawene.
" 23	Approves plan M.D. 4480 of wharf for Invercargill Borough Council at Invercargill.
" 23	Licenses Mrs. C. S. Walschleger to occupy foreshore at Half-moon Bay.
Sept. 10	Revokes Order in Council licensing Waima Timber Company to occupy foreshore at Waima River, Hokianga Harbour.
" 11	Approves plans of wharf for Kawhia County Council on Pakoka River, Aotea Harbour.
" 11	Licenses Kawhia County Council to occupy foreshore as site for wharf on Pakoka River, Aotea Harbour.
" 11	Vests management of Maraetai Wharf in Manukau County Council and prescribes dues for its use.
" 11	Approves plans of W. N. McIntosh's wharf at Orapiu Bay, Waiheke Island.
" 11	Licenses W. N. McIntosh to occupy foreshore in Orapiu Bay, Waiheke Island, as site for a wharf.
" 11	Revokes Order in Council licensing Waima Timber Company to occupy foreshore, Hokianga Harbour, as site for timber-booms.
" 11	Amends regulations for the registration and licensing of fishing-boats.
" 20	Makes an additional rule as to life-saving appliances for auxiliary-powered vessels plying in the home trade.
" 20	Approves plan of workshop which C. F. Shaw proposes to erect at Rawene.
" 20	Licenses C. F. Shaw to occupy foreshore at Rawene as site for workshop.
" 26	Approves plans of dolphins and mooring-piles for launch-landings which the Auckland Harbour Board proposes to erect in Auckland Harbour.
" 27	Approves a plan of ferry slip which Otamatea County Council proposes to construct at Raupo.
" 27	Approves plan of small patent slip which is proposed to be constructed in Evans Bay, Wellington Harbour.
Oct. 4	Licenses the White-pine Timber Company to occupy foreshore on the Wairoa River, Kaipara Harbour, as site for wharf.
" 4	Licenses W. N. Masefield to occupy foreshore at Clova Bay, Pelorus Sound, as site for a wharf.
" 4	Approves plans of outflow-pipes which the Miramar Borough Council proposes to lay down at Karaka Bay and Seatoun.
" 18	Licenses W. Brown and Sons to occupy foreshore at Te Kopuru, Kaipara, as site for a wharf.
" 18	Appoints a Commission to inquire into and report as to the netting of fish in Lake Ellesmere, Canterbury District.
" 18	Revokes Order in Council of the 10th August, 1909, licensing W. A. Webster to occupy foreshore at Ivydale, Hokianga, as site for a boat-shed and slip.
" 26	Approves plans of an extension of a wharf at Riverhead, Auckland Harbour, which the New Zealand Paper-mills propose to construct.
" 26	Licenses the New Zealand Paper-mills to occupy foreshore at Riverhead as site for a wharf.
Nov. 8	Approves plans of wharf which the Whangarei County Council propose to erect at Tutukaka.
" 8	Licenses the Whangarei County Council to occupy foreshore in Tutukaka Harbour as site for a wharf.
" 8	Amends rules for life-saving appliances for ships.
" 8	Licenses Thomas Lodge to occupy foreshore at Russell as site for a wharf.
" 8	Reduces the weight at which schnapper may be sold.
" 15	Approves plan M.D. 4512 of an extension which the Mokau Harbour Board proposes to construct to the Mokau Wharf.
" 15	Approves plan M.D. 4483 of wharf which the Katikati Domain Board proposes to erect at Katikati, Tauranga Harbour.
" 15	Licenses the Katikati Domain Board to use and occupy foreshore at Katikati, Tauranga Harbour, as site for a wharf.
" 22	Approves plan M.D. 4495 of wharf for E. G. Elliot and F. Waller on the Tamaki River, Auckland Harbour.
" 22	Licenses E. G. Elliot and F. Waller to occupy foreshore Tamaki River, Auckland Harbour, as site for a wharf.
" 22	Approves plans M.D. 4516 of club-house for Panmure Boating Club on Tamaki River, Auckland Harbour.
" 22	Licenses Panmure Boating Club to occupy foreshore, Tamaki River, as site for club-house.
" 22	Declares that repeal of New Plymouth Harbour Board Ordinance 1875 Amendment Act, 1877, enacted by section 28 of the New Plymouth Harbour Board Empowering Act, 1908, shall have effect as from the date of this Order in Council.
" 29	Prescribes a harbour-improvement rate on goods landed at and shipped from Marakopa Harbour and which do not pay prescribed wharfage dues.
Dec. 6	Licenses George Russell Fellows to occupy foreshore outside Manukau Harbour as shown on plan M.D. 4081 for a further period of two years.
" 6	Licenses Kauri Timber Company to occupy foreshore at Koutu, Hokianga Harbour, as site for timber-booms.
" 6	Licenses R. P. Gibbons (Limited), to occupy foreshore at Tangowahine, Kaipara Harbour, as site for wharf and log-slip.
" 13	Approves plan M.D. 4525 of store for Hokianga Meat-supply Company at Rangiahua, Hokianga Harbour.
" 13	Licenses Hokianga Meat-supply Company to occupy foreshore at Rangiahua, Hokianga Harbour, as site for a store.
" 20	Approves plan M.D. 4530 of wharf for B. S. Clouston at Whenuanui Bay, Queen Charlotte Sound.
" 20	Licenses B. S. Clouston to occupy foreshore at Whenuanui Bay, Queen Charlotte Sound, as site for a wharf.
1916.	
Jan. 7	Licenses Kauri Timber Company to occupy foreshore, Whitianga, Harbour, as site for a wharf, and also fixes wharfage dues.
" 7	Licenses Kauri Timber Company to occupy foreshore, Whenuakite River, as site for timber-booms.
" 17	Prohibits netting in portions of Catlin's Lake and River and of Owaka River.
" 17	Approves plan M.D. 4545 of bridge which Hobson County Council and Dargaville Borough Council propose to construct over Kaihu Creek, and licenses and authorizes the said Councils to erect the structure in accordance with the said plan.

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

Date of Order.	Purpose of Order.
1916.	
Jan. 17	Further varies the close season for mullet in the North Island.
.. 24	Makes regulation in regard to the use of nets when coal is being transferred from one vessel to another.
.. 24	Licenses the New Zealand Portland Cement Company (Limited) to occupy foreshore at Limestone Island, Whangarei Harbour, as site for a wharf.
.. 24	Prescribes dues and rates for use of wharf at Tairua.
.. 24	Prescribes dues and rates for use of Taiotea wharf at Takapuna.
.. 24	Approves plan M.D. 4543 of wharf and viaduct for Mount Burnett (Limited), near Waikato in Golden Bay.
.. 24	Licenses Mount Burnett (Limited) to occupy foreshore near Waikato, Golden Bay, as site for wharf and viaduct.
.. 24	Appoints John Ryall, Chairman of Grey County Council, to be a member of the Greymouth Harbour Board, <i>vice</i> Patrick Ryder, resigned.
.. 24	Approves plan M.D. 4539 of wharf for Murray's Bay Estate (Limited), in Murray's Bay, Takapuna.
.. 24	Licenses Murray's Bay Estate (Limited) to occupy foreshore at Murray's Bay as site for a wharf.
Feb. 16	Approves of alteration in alignment of new crane wharf at Westport for Westport Harbour Board.
.. 16	Approves plan M.D. 4417, showing the tidal land at Puhoi which Major Whitney proposes to reclaim.
.. 16	Authorizes Tamaki West Road Board to reclaim a second approach to the Kohimarama Wharf at Pipimca Head, Kohimarama, and approves plan M.D. 4553.
.. 16	Further modifies license for construction of a tram-line across the New River Estuary to allow the suspension of traffic for one year from the 1st August, 1915.
.. 23	Alters the netting-limits in the New River Estuary.
.. 23	Makes regulation prohibiting bathing off the Howick Wharf.
Mar. 1	Approves plan M.D. 4583 of stock-shipping yard for the Settlers' Stock-shipping Yards Association at Taipa Village, Mangonui.
.. 1	Licenses the Settlers' Stock-shipping Yards Association to occupy foreshore at Taipa Village as site for stock-shipping yard.
.. 1	Approves plan M.D. 4572 of extension to W. R. Fletcher's (Limited) wharf in Whangarei Harbour.
.. 1	Licenses W. R. Fletcher (Limited) to occupy foreshore, Whangarei Harbour, as site for wharf-extension.
.. 1	Approves plan M.D. 4554 of Waitemata County Council's wharf at Springs Creek, Kaipara Harbour.
.. 1	Licenses Waitemata County Council to occupy foreshore near Springs Creek, Kaipara Harbour, as site for a wharf.
.. 8	Approves plans of wharf and shed for Waikato County Council at Kopuku landing.
.. 8	Licenses Waikato County Council to occupy foreshore at Kopuku landing as site for wharf and shed.
.. 8	Approves plan M.D. 4544 of wharf for Kenneth Stewart at Tangowahine, Kaipara Harbour.
.. 8	Licenses Kenneth Stewart to occupy foreshore at Tangowahine, Kaipara Harbour, as site for a wharf.
.. 14	Revokes Order in Council licensing the Settlers' Stock-shipping Yards Association to occupy foreshore at Taipa Village as site for stock-shipping yard.
.. 14	Licenses F. T. Costall and others as trustees to occupy foreshore at Taipa Village, Mangonui, as site for stock-shipping yard.
.. 21	Approves plan M.D. 4513 of reclamation for Otago Harbour Board in Anderson's Bay, Otago Harbour.
.. 21	Authorizes Otago Harbour Board to reclaim land in Otago Harbour.
.. 29	Revokes Order in Council licensing Ferguson's Mining and Smelting Company (Limited), to occupy foreshore at Waiomo, Thames County, as site for dock and tramway.
.. 29	Revokes Order in Council licensing Ferguson's Mining and Smelting Company (Limited), to occupy foreshore at Waiomo, Thames County, as site for wharf.
.. 29	Approves plan M.D. 4582 of the Piako River Bridge which the Thames County Council proposes to construct at Ngatea (Orchard), and authorizes the Council to construct the bridge in accordance with the said plans.
.. 29	Revokes Order in Council licensing David Goldie to occupy foreshore on Hauarahi Stream, Manukau County, as site for timber-booms.

RETURN SHOWING THE NUMBER OF LAND BOILERS AND MACHINERY INSPECTED DURING THE
FINANCIAL YEAR ENDED 31ST MARCH, 1916.

Boilers.

Class.	Not exceeding 5 Horse-power.	Exceeding 5 but not exceeding 10 Horse-power.	Exceeding 10 Horse-power.	Total.
Stationary	2,366	931	1,988	5,285
Portable	167	1,085	449	1,701
Totals	2,533	2,016	2,437	6,986

Machinery.

Class.	Number.
Hydraulic lifts	282
Gas-lifts	19
Electric lifts	503
Steam-lifts	26
Oil-lifts	7
Gas, hydraulic, and electric-motor hoists	530
Water-engines, water and electric motors, and water-wheels	2,387
Peltons	249
Turbines	112
Gas-engines	1,986
Oil-engines	4,760
Steam machinery	110
Total	10,871

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, 1916.

Class.	Number.
Steam stationary—	
Service—First class	8
Competency—	
Extra first class	1
First class	47
Second class	147
Steam winding, competency	12
Electric winding, competency	12
Locomotive and traction, competency	73
Traction, competency	52
Electric tram, competency	67
	419

RETURN OF NON-FATAL ACCIDENTS IN CONNECTION WITH MACHINERY DURING THE FINANCIAL YEAR ENDED THE 31ST MARCH, 1916.

Name and Address of Owner.	Description of Machinery.	Name and Age of Person Injured.	Date of Accident and Nature of Injury.	Cause of Accident, and Remarks.
Ashburton Borough Council, Ashburton	Gas-engine	Reginald C. Price; 34 years	5th April, 1915; leg injured	Compressed air was used for starting, and while doing so some got back into the expansion-chamber. By some means the valve had not closed properly, and the charge igniting in the chamber burst the end off it and blew up the footplate on which Price was standing, bruising his right leg at hip, knee, and ankle.
A. and T. Burt (Limited), Dunedin	Drilling	Robert Williamson; 14 years	7th April, 1915; finger injured	While working at machine the middle finger of Williamson's right hand got caught in machine.
P. and D. Duncan (Limited), Christchurch	Shaping	T. Colling; 29 years	8th April, 1915; nose injured	A piece of blade of the machine broke off and struck Colling on the nose, bruising it.
Griffin and Sons (Limited), Nelson	Dough-brake	L. Town; 15 years	8th April, 1915; hand injured	When feeding the machine Town allowed his left hand to be drawn into the rollers and got it crushed.
Christchurch Meat Company (Limited), Islington	Barrel-making	H. Hatchard; 35 years	9th April, 1915; eye injured	A piece of wood flew off the timber Hatchard was working, and injured his eye.
Westland Timber Company (Limited), Lower Hutt	Circular saw	Patrick Burke; 18 years	14th April, 1915; arm and finger injured	In trying to pack the saw while in motion Burke's hand and arm came in contact with it, causing loss of his index finger of right hand and injury to left arm.
Griffin and Sons (Limited), Nelson	Sugar-shaping	W. Blick; 16 years	15th April, 1915; finger injured	Blick's left hand came into contact with the shaping-rollers. The index and little fingers were nipped between recesses and delivery-plate.
Auckland Co-operative Boot and Shoe Company (Limited), Auckland	Boot-stugging	Clifton Bromley; 27 years	16th April, 1915; finger injured	While operating the machine Bromley's forefinger of his right hand got crushed between the drivers.
Pongakawa Sawmill Syndicate, Te Puke	Sawmill	Roland Brown; 31 years	19th April, 1915; leg lost	In relacing small sawdust-belt while machinery was in motion Brown's foot was caught in the bight of it. It drew him on to the shaft, breaking his leg, which had to be amputated above the knee.
A. and T. Burt (Limited), Dunedin	Emery-wheel	Leslie Fitzpatrick; 14 years	22nd April, 1915; finger injured	While working at the wheel Fitzpatrick's first finger of his left hand came into contact with it and was cut.
Andersons Limited, Christchurch	Drilling	C. Woodbury; 16 years	17th May, 1915; finger injured	Woodbury's second finger of left hand was caught in the cogs and was crushed.
Andersons Limited, Christchurch	Grindstone	W. J. Bell; 15 years	22nd May, 1915; finger injured	The nail on Bell's first finger of his right hand came into contact with the stone and was taken off.
J. J. Niven and Co. (Limited), Wellington	Radial drill	Arthur Jordan; 16 years	26th May, 1915; fingers injured	When wiping down the radial arm with a piece of waste, Jordan's hand was caught in the gearing, crushing his fingers.
Aulsebrook and Co., Christchurch	Sheet-tin press	Robert Carr; 28 years	27th May, 1915; thumb injured	Carr got the thumb of left hand under the die, taking the tip of it off.
Wilson's Portland Cement Company (Limited), Auckland	Bag-branding	J. H. Jones; 45 years	1st June, 1915; hand injured	Jones's hand was caught between part of machine frame and cog-wheel. His hand and finger were cut and bruised.
Scoullar and Chisholm (Limited), Dunedin	Wood-turning	Robert Hull; 55 years	7th June, 1915; arm injured	Hull was applying dressing to the pulley when his left arm was caught between the belt and the pulley. It was dislocated in two places, and the forearm and wrist were broken.
Hogg and Co. (Limited), Dunedin	Chain-mortise	Walker Henry; 26 years	7th June, 1915; arm injured	Henry's left hand got under the mortise-cutter and was badly lacerated.
George Poole, Invercargill	Shaping	Doyle Gregg; 25 years	10th June, 1915; finger injured	The piece of timber Gregg was working jumped out of his right hand, causing his hand to come into contact with the knives of the machine, resulting in injury to third finger.

Phoenix Company (Limited), Dunedin	Caramel-cutting	Charles Smith; 14 years	10th June, 1915; hand injured	Smith allowed his right hand to get under the travelling-platform, where it was bruised and cut.
A. and T. Burt (Limited), Dunedin	Rumbler	David Thomas; 67 years	14th June, 1915; hand injured	Thomas's left hand was caught in the cog-wheel and crushed, necessitating amputation of the thumb and forefinger.
J. J. Niven and Co., Wellington	Radial drill	Harry Townsley; 16 years	15th June, 1915; side and arm injured	Townsley's overalls were caught under the drill and he was dragged against the machine, causing bruises to side and arm.
Hal Goodacre, New Plymouth	Edge-paring	A. Daisley; 35 years	15th June, 1915; hand injured	Daisley's hand came in contact with the knives, injuring his thumb and first finger.
Dunedin City Corporation, Woodhaugh	Crushing plant	Charles Holland; 45 years	24th June, 1915; arm injured	Holland was attending to material in bins when his foot slipped. His coat was caught in the gearing of the elevator and his right arm was cut.
Leyland O'Brien Timber Company (Limited), Auckland	Rip-saw	Fred McQuoid; 22 years	29th June, 1915; leg injured	When cutting a batten, a piece of wood came back over the saw and struck McQuoid on the thigh, bruising it.
John Brown, Dunedin	Meat-mincing	William Pope; 17 years	30th June, 1915; finger injured	Pope allowed his right hand to go too far into the machine, when the point of the second finger was cut off.
Auckland Rimu Timber Company (Limited), Newmarket	Planing	Robert Walker; 18 years	8th July, 1915; thumb and fingers lost	When brushing away shavings from the machine while it was in motion Walker's right hand came into contact with the knives.
Andrew Miller, Nelson	Circular saw	Melville Phipps; 18 years	10th July, 1915; fingers lost	He lost the thumb and the first two fingers of his hand.
Phoenix Company (Limited), Dunedin	Biscuit-cutting	Arnold Haggitt; 18 years	12th July, 1915; thumb injured	In shovelling sawdust from the saw Phipps allowed his right hand to touch the saw, when he lost three of his fingers.
Hogg and Co. (Limited), Dunedin	Moulding	Donald Stevenson; 29 years	16th July, 1915; finger injured	Haggitt tried to lift a piece of dough out of the cogs with his left hand, when his thumb was caught in the cogs, taking the top off it.
A. and T. Burt (Limited), Dunedin	Lathe	Henry Sumner; 47 years	17th July, 1915; finger injured	Stevenson's right hand came into contact with the knives, when he lost the first finger at first joint; the second finger was lacerated.
Wellington Harbour Board, Wellington	Planing	William Greenbank; 41 years	19th July, 1915; hand lost	Sumner's right hand was caught between the chuck and the rest, doing injury to nail of one finger and cutting another.
C. A. Curnow, Nelson	Shirt and collar	Miss Sloan; 23 years	21 July, 1915; fingers injured	Greenbank's right hand came into contact with the knives of the machine. His hand was so badly lacerated that it had to be amputated.
D.S.C. and Cousins and Cousins (Limited), Auckland	Shaping	A. Doubleday; 65 years	24th July, 1915; thumb injured	Miss Sloan unconsciously put her foot on pedal, reversing the machine. Her hand was carried under the rollers, when three fingers were crushed.
Ross and Glendinning (Limited), Dunedin	Band knife	Hector Alexander; 31 years	30th July, 1915; finger injured	The piece of timber Doubleday was shaping slipped, when his thumb came against cutter and took a piece off it.
Greyhound Evening Star Printing and Publishing Company (Limited), Grey-mouth	Printing	Frank Costello; 17 years	31st July, 1915; finger injured	Alexander accidentally put his finger under the knife, when he got the top taken off.
New Zealand Coal and Oil Company (Limited), Kaitangata	Screening	Robert Newburn, jun.; 14 years	10th August, 1915; feet lost	In getting down from machine Costello's right hand slipped, and it came into contact with the wheel, causing injury to one finger.
Seagar Bros., Auckland	Shafting	Wilfred Alp; 30 years	14th August, 1915; body injured	Newburn was oiling the bearings of the shaft, when the engine started, and his clothing was caught by the shaft. He was swung round and his feet struck the beams overhead. Both of his feet were torn off.
G. Schaef and Sons, Greymouth	Emery-wheel	James Williams; 29 years	16th August, 1915; skull injured	Alp was connecting a long length of iron pipe above the revolving shaft, when he lost his hold and fell on the shaft. He was caught and wound round. When the motor was stopped he fell 18 ft. to the floor. Both legs and shoulders were fractured, and he also suffered severe shock.
				While Williams was working the machine the emery-wheel broke, and one of the flying fragments struck him on the side of his head, causing semi-fracture.

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, and Nature of Injury.	Cause of Accident, and Remarks.
Phoenix Company (Limited), Dunedin ..	Wire stitching ..	Miss G. Anderson ; 17 years ..	24th August, 1915 ; finger injured	When feeding machine Miss Anderson allowed her fingers to get into machine, causing injury to one of them.
Oamaru Woollen Factory Company (Limited), Oamaru ..	Pirn winding ..	Miss M. L. Marks ; 14 years ..	1st September, 1915 ; fingers injured	Miss Marks accidentally put her hand too far into the machine, when her fingers were caught in the eccentric, causing injury to them.
New Zealand Paper Mills (Limited), Auckland ..	Paper-bag making ..	Amy Heald ; 15 years ..	6th September, 1915 ; fingers injured	Miss Heald permitted her right hand to get between rollers while feeding machine, when the third and fourth fingers were crushed.
T. J. Edmonds (Limited), Linwood ..	Tin-body forming ..	F. G. Smith ; 24 years ..	7th September, 1915 ; hand injured	When cutting tin Smith allowed his hand to come into contact with the knife of the machine.
Love Bros., Port Chalmers ..	Planing ..	Lindo Nelson ; 14 years ..	10th September, 1915 ; arm injured	Nelson allowed his right hand to slip into the back of the knives, when his arm was drawn in. The arm was lacerated, and it had to be amputated above the elbow.
Alexander Binnie and Co., Dunedin ..	Wire-crimper ..	Victor Howard ; 17 years ..	20th September, 1915 ; fingers injured	When putting wire into machine Howard's right hand got caught by the wheels and the fingers were crushed.
Blackwater Mines (Limited), Blackwater ..	Grindstone ..	John Cartner ; 30 years ..	29th September, 1915 ; arm lost ..	The loose driving-belt had become wound round the shaft, and in order to put it on the stone Cartner caught hold of the revolving end of it, when he was drawn over the shaft. His arm was badly injured, and it had to be taken off.
Stevenson and Cook Engineering Company (Limited), Port Chalmers ..	Drilling ..	Alexander Buchan ; 18 years ..	18th October ; finger lost ..	Buchan was tightening up the socket-rod when his left hand slipped and was caught in the cog-wheels, causing the injury to the second finger.
Love Bros., Port Chalmers ..	Vertical spindle ..	A. R. Chisholm ; 30 years ..	3rd November, 1915 ; fingers lost	While engaged testing knives for height on the machine Chisholm's fingers were drawn on to the knives, when he lost three of them.
Steel Construction Company (Limited), Auckland ..	Radial-drill shafting ..	D. R. Jerome ; 30 years ..	8th November, 1915 ; head and chest injured	Jerome was adjusting belt on the shaft when his clothes got entangled in the shafting and he was drawn round. His head and his chest were bruised.
Ross and Glendining (Limited), Dunedin ..	Winding ..	Sarah Jeffrey ; 15 years ..	10th November, 1915 ; finger injured	Through inattention Miss Jeffrey got the index finger of right hand between the spokes of a revolving wheel. It was crushed and had to be amputated.
William Wright and Co. (Limited), Dunedin ..	Dough ..	Walter Tyrell ; 52 years ..	11th November, 1915 ; fingers injured	Tyrell accidentally got third and fourth fingers of left hand caught in the cogs, crushing them.
South Canterbury Woollen Manufacturing Company, Timaru ..	Power-loom ..	Helen Tolmie ; 15 years ..	13th November, 1915 ; wrist injured	Miss Tolmie was cleaning loom while in motion when the wrist of her right hand was caught between the wheel and the frame, causing laceration of the flesh.
Phoenix Company (Limited), Dunedin ..	Tinshop press ..	Cecil Parker ; 14 years ..	16th November, 1915 ; finger injured	Parker allowed his right forefinger to come under the die, when it was crushed.
T. Morris, Waikumete ..	Planing ..	John Morris ; 34 years ..	23rd November, 1915 ; hand injured	Morris's left hand came into contact with the knives.
Andersons Limited, Christchurch ..	Screwing ..	L. Findlay ; 16 years ..	26th November, 1915 ; thumb injured	Findlay's thumb was caught between spanner and rest, and was crushed.
New Zealand Paper Mills (Limited), Auckland ..	Paper-making ..	Hilda Jacobsen ; 16 years ..	30th November, 1915 ; finger injured	Miss Jacobsen's fourth finger of right hand was accidentally caught between rollers on ruling-machine and was crushed.
Upton and Shearer, Wellington ..	Buzzer ..	Walter Shearer ; 51 years ..	1st December, 1915 ; hand injured	Shearer's left hand came into contact with the knives, causing injury to two of the fingers and portion of hand.
Evening Star Company (Limited), Dunedin ..	Wire stitching ..	Emma Carrington ; 24 years ..	13th December, 1915 ; finger injured	Miss Carrington accidentally started the machine while the second finger of her left hand was under the stitcher.
Stanton and Grimwood, Otapiri Gorge ..	Flaxmill ..	William Warnock ; 24 years ..	22nd December, 1915 ; arm injured	When feeding machine Warnock's arm was drawn into the scutcher. The hand and forearm were so seriously injured that the arm had to be amputated a little below the elbow.
Leyland O'Brien Timber Company (Limited), Auckland ..	Rip-saw ..	Joe Hodgson ; 17 years ..	6th January, 1916 ; thumb injured	Hodgson's right thumb touched the saw and was cut.

Leyland O'Brien Timber Company (Limited), Auckland	Box-saw	..	Leslie Munce; 17 years	..	11th January, 1916; finger injured	Munce's middle finger of left hand came into contact with the saw.
Taine's Chemical Stores Company, Dunedin	Electric lift	..	Louis Solomon; 33 years	..	20th January, 1916; shoulder injured	Through the lift being overloaded when Solomon stepped on to it to take the goods off, it fell to the bottom of the well, when his shoulder and neck were injured.
Whitcombe and Tombs (Limited), Dunedin	Hydraulic lift	..	Harold Dixon; 15 years	..	31st January, 1916; finger injured	Dixon put the second finger of his right hand into the relief hole of the cylinder and started lift. The ram came down and cut off the first joint of his finger.
Phoenix Company (Limited), Dunedin	Wire stitching	..	Violet Gillespie; 19 years	..	1st February, 1916; finger injured	Miss Gillespie's index finger of right hand was jammed in the machine, doing injury to one finger.
Leyland O'Brien Timber Company (Limited), Auckland	Drag-saw	..	Timothy McKenna; 30 years	..	8th February, 1916; finger injured	McKenna's forefinger was jammed between the piece of timber and bench.
Oamaru Woollen Factory Company (Limited), Oamaru	Power-loom	..	Catherine Diver; 28 years	..	10th February, 1916; nail injured	In trying to pick waste out of the loom the point of Miss Diver's first finger of her right hand was caught by machinery and crushed.
William Bates and Sons, Christchurch	Planing	..	Charles Croaker; 16 years	..	14th February, 1916; fingers injured	Croaker's right hand came into contact with the knives.
Bassett and Co., Wanganui	Sanding	..	William Evans; 16 years	..	14th February, 1916; hand injured	Through not attending to his work Evans's hand was caught in the machine and crushed.
R. T. Matthews, Rangiora	Threshing plant	..	J. J. Matthews; 35 years	..	21st February, 1916; arm lost	When adjusting belt on the machine Matthews's arm got between the belt and the pulley, and it was so badly fractured that it had to be amputated.
Sollitt Bros. (Limited), Palmerston North	Mortising	..	G. Hawkins; 30 years	..	23rd February, 1916; thumb injured	While mortising, Hawkins's right-hand thumb came into contact with the knives.
Phoenix Company (Limited), Dunedin	Biscuit-cutting	..	George Dawson; 62 years	..	23rd February, 1916; hand injured	When feeding machine Dawson allowed his hand to get too far into the machine.
Wilson's Portland Cement Company (Limited), Warkworth	Turning	..	Stuart McKinney; 16 years	..	24th February, 1916; finger injured	While attending to machine, McKinney's first finger of right hand was caught in the working part and was crushed.
Bassett and Co. (Limited), Wanganui	Circular saw	..	E. Watson; 26 years	..	26th February, 1916; finger injured	Watson's finger came into contact with saw and was cut.
Aulsebrook and Co., Christchurch	Steam-power lift	..	G. Mathie; 23 years	..	29th February, 1916; foot injured	Mathie had his left foot over the edge of the cage and it was squeezed between the lift-platform and joist of first floor.
Aulsebrook and Co., Christchurch	Caramel-rollers	..	James Pickup; 52 years	..	2nd March, 1916; fingers injured	When feeding machine, Pickup's right-hand fingers were caught by the rollers and crushed.
Irvine and Stevenson's St. George's Company (Limited), Dunedin	Crimper	..	L. R. Storey; 16 years	..	9th March, 1916; finger injured	Through larking with another boy Storey's three fingers of his left hand were caught in the machine and were injured.
Christchurch Meat Company (Limited), Christchurch	Brine-pump and fan	..	James Millan; 60 years	..	10th March, 1916; hand injured	While assisting engineer, Millan's right hand came into contact with the revolving fan, stripping the flesh off and breaking the small bones of it.
D.S.C. and Cousins and Cousins (Limited), Auckland	Universal saw	..	Albert Pond; 30 years	..	13th March, 1916; fingers injured	Pond's right-hand fingers came into contact with the saw, causing loss of the first and second joints of the first and the second fingers.
Kauri Timber Company (Limited), Auckland	Cut-off saw	..	H. J. Goffin; 20 years	..	15th March, 1916; fingers injured	Goffin's fingers of left hand touched the saw, doing injury to the thumb and the first finger.
Wilson's Portland Cement Company (Limited), Warkworth	Feed-pump	..	S. Stringer; 34 years	..	16th March, 1916; finger injured	While paying attention to the pump, Stringer's little finger of right hand came into contact with a working part and was crushed.
Murrays Limited, Underwood	Gang-slitter	..	Thomas Hawkes; 18 years	..	25th March, 1916; fingers injured	When feeding tin-plate into the machine, Hawkes's fingers of the left hand got under the rollers and were bruised.
D. Goldie and Sons, Auckland	Planing	..	R. Killip; 56 years	..	30th March, 1916; finger injured	Killip's finger came into contact with the side-head of machine and was cut.
Blezer Firewood Company, South Dunedin	Saw	..	Andrew Cameron; 30 years	..	31st March, 1916; thumb injured	Cameron's thumb of left hand came into contact with the saw and was cut.

RETURN OF FATAL ACCIDENTS IN CONNECTION WITH MACHINERY DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1916.

Name and Address of Owner.	Description of Machinery.	Name and Age of Person injured.	Date of Accident and Nature of Injury.	Cause of Accident, and Remarks.
The Milburn Lime and Cement Company (Limited), Dunedin	Shafting ..	James Duffey ; 35 years ..	5th May, 1915 ; fatal ..	It is presumed that Duffey was greasing a ball-wheel, and while reaching over to screw down a grease-cup he fell on to the shaft and was whirled round the spindle with tremendous speed. His death must have been instantaneous.
George Pinnock, Wellington ..	Electric lift ..	George Pinnock ; 50 years ..	22nd May, 1915 ; fatal ..	Pinnock put his head through an aperture on the first floor, not knowing that the cage of the lift was coming down. He called to some one below, when the descending lift caught him and crushed his head between the partition and the cage, causing instant death.
W. N. Burcher, Havelock North ..	Oil-engine ..	W. W. Foster ; 62 years ..	1st September, 1915 ; fatal ..	Foster was sawing wood, when the belt came off. He went to stop the engine and was caught in the loose belting, when he was hurled against a wood-pile. His death took place two days afterwards.
Joseph Liggins, Tokomaru ..	Flax-mill ..	W. A. McLeod ; 22 years ..	7th December, 1915 ; fatal ..	McLeod was engaged oiling the bearings of the shaft, when his clothing was caught on the collar-stud of the shaft. He was drawn around the shaft and crushed with such force as to cause his death.
Nelson Bros. (Limited), Gisborne ..	Hydro-extractor ..	Robert Russell, 51 years ..	20th December, 1915 ; fatal ..	The machine burst into fragments while in motion, and one or more of the parts struck Russell, causing instantaneous death. Russell was attending to the machine, being in charge at the time.

RETURN OF ENGINEERS TO WHOM EXTRA FIRST-CLASS CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Class of Certificate : Extra First-class Stationary, Competency.

Name of Person.	Date of Issue.	No.
Harry Ernest Mitchell Hart	28th January, 1916	97

RETURN OF FIRST-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF SERVICE HAVE BEEN GRANTED FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Class of Certificate : First-class Stationary, Service.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Richard Cecil Crowley	1915. May 24	1734	Thomas McGill	1915. Sept. 3	1739
Duncan McKenzie .. .. .	.. .. .	1735			
John Dyer .. .. .	.. .. .	1736			
Charles Simmons Wilson .. .. .	.. .. .	1737	Nils Einar Robert Nilson	1916. Jan. 28	1740
George Wall Lowes	July 1	1738	William James Taylor	Feb. 28	1741

RETURN OF FIRST-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Class of Certificate : First-class Stationary, Competency.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Lewis Morgan	1915. May 24	1731	George Herbert Duffell	1915. Sept. 3	1755
Herbert Ross	1732	Paul Gerhard George Behn .. .. .	.. .. .	1756
Robert Meiklé Grant	1733			
George Arthur Hahn	1734	Robert Cuthbert Nairn	1916. Jan. 28	1757
Andrew Jacob Haub	1735	James Allan .. .. .	.. .. .	1758
Alexander Reuben Sutherland	1736	Gilbert Carr .. .. .	.. .. .	1759
William McIvor	1737	Henry Burton Gardner .. .. .	.. .. .	1760
Joseph Harris	1738	William George Wilson .. .. .	.. .. .	1761
Edmund Barton Parker	1739	Malcolm Allan Gray .. .. .	.. .. .	1762
Charles Richard Hearn	1740	Bernard Hammersley .. .. .	.. .. .	1763
Alexander Rose Johnston	1741	Percival Wensley Piper .. .. .	.. .. .	1764
Charles Joseph Ernest Beanlands	July 1	1742	Frederick George Havill .. .. .	.. .. .	1765
Charles Henry Smythe	1743	John Patrick Desmond .. .. .	.. .. .	1766
Almond William John Chapman	1744	Thomas Moore Dynes .. .. .	.. .. .	1767
Joseph Barber	1745	John McDowall .. .. .	.. .. .	1768
Cecil John Rowe	Sept. 3	1746	Henry James O'Brien .. .. .	.. .. .	1769
Frederick John Nunan	1747	William John Hibbs	Feb. 28	1770
Albert Ernest Alston Smith	1748	Ambrose Ashley Hault .. .. .	.. .. .	1771
Charles Quinn	1749	Patrick Joseph Farrington .. .. .	.. .. .	1772
Herbert Joy Harris	1750	Joseph John Henry Jenkin .. .. .	.. .. .	1773
Charles James Hawke	1751	George Reid Dawson .. .. .	.. .. .	1774
Neil Macdonald	1752	Albin Russell Durbridge .. .. .	.. .. .	1775
John Quinn	1753	Thomas Mahoney .. .. .	.. .. .	1776
Samuel Rowley Entwistle	1754	Amos Henry Garbett .. .. .	.. .. .	1777

RETURN OF SECOND-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY
HAVE BEEN GRANTED FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Class of Certificate: Second-class Stationary, Competency.

Name of Person.	Date of Issue.	No.*	Name of Person.	Date of Issue.	No.
Edward James Isles	1915. May 24	4241	Allan Gordon Le Roy Broomfield ..	1915. Sept. 3	4317
Patrick Nevin	"	4242	Arthur Brown	"	4318
Andrew Lang	"	4243	Herbert Basel Culpán	"	4319
Thomas George Davies	"	4244	James Stuart Malcolm Laing	"	4320
John Hurring	"	4245	James Matthews	"	4321
Frank Cliff	"	4247	John McTavish	"	4322
Charles Milroy	"	4248	Hector Charles McMillan	"	4323
Walter Sant	"	4249	Edward Anderson Coxon	"	4324
John Smyth	"	4250	John Wittham Long	"	4325
Cecil John Souness	"	4251	Lot Augustus Kay	"	4326
George Henry Lister	"	4252			
George Thomas Sigley	"	4253		1916. Jan. 28	4327
Harry Edward Bacon	"	4254	William Charles Lander	"	4328
Richard Bernard Brett	"	4255	William George Henry Lambert Wilson ..	"	4329
Andrew Augustus Driscoll	"	4256	Robert Edward Heenan	"	4330
James Henry Wilkinson	"	4257	Charles Frederick Meyer	"	4331
James Matthew Wylie	"	4258	Joseph Cook	"	4332
George Thomson	"	4259	Conrad Florence Steward Reginald Hargreaves	"	4333
James Bisset	"	4260	William James Rogers	"	4334
John James Singleton	"	4261	Robert William Cumming Guppy	"	4335
William Hunt	"	4262	James Denham	"	4336
Percy Wildbore	"	4263	Andrew Muir Espie	"	4337
Joseph Charles Quinn	"	4264	John James Johnston	"	4338
Robert James Ramsay	"	4265	William Morton	"	4339
Charles George McKechnie	"	4266	John Miller McIntyre	"	4340
Samuel Andrew Clarke	"	4267	Thomas William Barry	"	4341
William Farrar	"	4268	William Thomas Gore	"	4342
Leslie John Hunter	"	4269	Frederick Mark Martin	"	4343
Raymond Jones	"	4270	Walter Vincent Pinkerton	"	4344
David Cameron	"	4271	Edward John Tierney	"	4345
Peter Guénole	"	4272	Neil Fletcher	"	4346
George Knowles Knox	"	4273	Francis Fernie	"	4347
Walter Linton	"	4274	Gordon, Joseph Short	"	4348
William Alexander Pringle Wilson ..	"	4275	George Atkinson Walker	"	4349
William James Hunt	"	4276	Michael James Wall	"	4350
Frederick Newald	"	4277	William George Wilson	"	4351
Samuel John Furley Wilson	"	4278	George Henry Gilbert	"	4352
William John Witsey	"	4279	Alexander McCorkindale	"	4353
James McCann	"	4280	William McLean	"	4354
Richard Clugston	"	4281	George Shaw	"	4355
Winifred Edmond Stanislaw Porter ..	July 1	4282	Andrew Thomson Sharpe	"	4356
William Dowling	"	4283	Edward Verne Cullen	"	4357
James Gray	"	4284	James Moscow Brown	"	4358
Robert Stephenson Thompson	"	4285	George Herbert Hilton	"	4359
Albert John Moreland	"	4286	William Rogers	"	4360
Arthur Briggs Cowperthwaite	"	4287	John McRae	"	4361
Albert Morrow	Sept. 3	4288	George Lobban	"	4362
Alfred Ernest Nixon	"	4289	George Bartlett	"	4363
Frank Randall Adkins	"	4290	William Johnson	"	4364
Andrew John Fitzgerald	"	4291	Arthur James Greenaway	"	4365
Arthur John Heenan	"	4292	James Bennett	Feb. 28	4366
Cannon Clegg	"	4293	Francis Olaf Pedersen	"	4367
Andrew Clouston	"	4294	Stanley Wood	"	4368
Charles Claude Corlet	"	4295	Isaac Champion	"	4369
William Samuel Death	"	4296	Walter Richard Bentley	"	4370
Hilliard Charles Cooper	"	4297	Robert James Galbraith	"	4371
John Edward Diggle	"	4298	Albert Louis Garden	"	4372
Arthur William Johnson	"	4299	Samuel Nicholson	"	4373
Raymond John Ware	"	4300	James Robertson	"	4374
George Robert Lacey	"	4301	John Ferdinand Anderson	"	4375
Thomas McElroy	"	4302	Henry Thomas Brown	"	4376
Allan Pink	"	4303	Aubrey Fitzgerald	"	4377
Albert Ernest Neilson	"	4304	Thomas Ninian Forrest	"	4378
Edward Bradley	"	4305	James Thomas Ross	"	4379
Lenneth William West	"	4306	Reuben Wall	"	4380
George Trevor Austin	"	4307	John Byce	"	4381
James Vincent Dean	"	4308	Sidney Wilson	"	4382
Arthur Robert Greenwell	"	4309	William Best	"	4383
John Kerr	"	4310	Marinus Hansen	"	4384
Edward Joseph Krippner	"	4311	Hector David Archer	"	4385
Henry Matchitt	"	4312	Stephen Payne	"	4386
George McColl Lee	"	4314	Thomas Slater	"	4387
Thomas Richmond	"	4315	George Lennox Stenhouse Dunn	"	
Arthur Tinker	"	4316			

* Nos. 4246 and 4313 were destroyed.

RETURN OF LOCOMOTIVE AND TRACTION ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY
HAVE BEEN GRANTED FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Class of Certificate: Locomotive and Traction, Competency.

Name of Person.	Date of Issue.	No.*	Name of Person.	Date of Issue.	No.*
1915.			1915.		
James Shaw	May 24	3083	William Arthur Hopgood	Sept. 3	3121
Thomas Cooke Findlay	"	3084	Herbert Parker	"	3122
William, Reed, jun.	"	3085	George Henry March	"	3123
Henry Easton	"	3086	Athol Leon Bisset	"	3124
Joseph William Joy	"	3087	George Mitchell	"	3125
George Edwin Evans	"	3089	Frederick Hope McKearney	"	3126
John Wilson	"	3090	Robert Alan Feather	"	3127
Frederick Butler	"	3091	Cecil George Thomas Pacey	"	3128
Andrew Emil Hackell	"	3092	Harry West	"	3129
Israel Blackburn	"	3093	1916.		
Joseph Evans	"	3094	Archibald Campbell McKillop	Jan. 28	3130
William James Duncan	"	3095	Joseph Johnston, jun.	"	3131
Richard Valentine Armstrong	"	3096	Reginald Morgan	"	3132
Joseph Carnochan	"	3097	Frederick William Stanley	"	3133
Alfred Clarke	"	3098	Boyd Bennie Richardson	"	3134
Roderick Donald Mackenzie	"	3099	Richard Pengelly	"	3135
Boyd Alexander Coulter	"	3100	Robert Marshall	"	3136
Alexander Whisker	July 1	3101	Robert Thomas Harvey	"	3137
Herbert Charles Milverton	"	3102	Geoffrey Blanks	"	3138
James Francis Ballantyne	"	3103	Walter Barstow	"	3139
Thomas William McKenzie	"	3104	Percy Charles Collins	"	3140
George Ernest Shute	"	3105	Matthew Hickey	"	3141
Cornelius McKee	"	3106	Joseph John Henry Jenkin	"	3142
Henry Thomas Hurndell	"	3107	Reuben Waters	"	3143
Edward John Shields	"	3108	Basil Wilfred Wood	"	3144
Thomas David Jarman	Sept. 3	3109	Joseph Connor Butler	"	3145
Henry Alfred Holmes	"	3110	Thomas John Ching	"	3146
Herbert Elgie	"	3111	Albert Anthony Craike	"	3147
Robert Norling	"	3112	William Hislop Campbell	"	3148
William Oliver Thomas	"	3113	Nicholas Leonard Cairns	"	3149
Robert James Armstrong	"	3114	Frederick George Tapp	"	3150
William Griffiths	"	3115	James Adams	"	3151
Peter Edward Neilson	"	3116	William Donaldson	"	3152
Alfred Hawkins	"	3117	James Brown	Feb. 28	3153
Arthur Heir	"	3118	David Gordon Whitteker	"	3154
James Riordan	"	3119	John Patrick Desmond	"	3155
Harold Chilton	"	3120	Ernest Joseph Edlin	"	3157

* Nos. 3088 and 3156 cancelled.

RETURN OF TRACTION-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN
GRANTED FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Class of Certificate: Traction, Competency.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.*
1915.			1916.		
Sidney Stapleton	May 24	1	George McCullough	Jan. 28	27
John Ronksley Trickett	"	2	Henry Wood	"	28
Patrick Joseph Leydon	Sept. 3	3	John William Burgess	"	29
Francis John Clucas	"	4	Thomas Latimer Neal	"	31
Henry Arthur Ellery	"	5	Albert Henry Petrowski	"	32
Joseph Samuel Hopkins	"	6	John Conaghan	"	33
George Charles Wilson Millar	"	7	Frederick Ferdinand Trapski	"	34
John Meyer	"	8	Gustave Martineus Erickson	"	35
James Kennedy	"	9	Colin McLachlan	"	36
Alexander Campbell	"	10	Albert Job Barber	"	37
Robert McIndoe	"	11	Robert Leith Cormack	"	38
George Douglas Reed	"	12	Charles David Gilland	"	39
James Edward Trip	"	13	Thomas Oscar Hear	"	40
Peter Lunnan	"	14	William Alfred Jessop	"	41
James Rattray	"	15	Ernest Edward Thomas	Feb. 28	42
Samuel Richard Brown	"	16	William Louis Bradfield	"	43
Hugh Richmond McPhee	"	17	William Hirst	"	44
1916.			Hugh Henry Andrew	"	45
John Gillespie	Jan. 28	18	Patrick Henry Lynch	"	46
David Watson Anderson	"	19	Samuel William Butson	"	47
James Kinross	"	20	Leonard James Chilton	"	48
Alfred Meredith Gray	"	21	John McDonald Hood	"	49
Charles Richard Cooke	"	22	Thomas Cunningham	"	50
George Alfred Powell	"	23	William Percy Hill	"	51
Joseph Thomas Levien	"	24	William Hassett	"	52
Wilfred Melville	"	25	Francis Hugh Geraghty	"	53
Andrew Dobson	"	26			

* No. 30 cancelled.

RETURN OF STEAM-WINDING-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Class of Certificate : Winding, Competency.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1915.			1916.	
David Hately	May 24	534	William Victor Hill	Jan. 28	540
William John Kirker	"	535	Thomas Hunter	"	541
Almond William John Chapman	July 1	536	James William Groves	"	542
John James Lewis	Sept. 3	537	Henry James O'Brien	"	543
Percival Peter Gordon	"	538	James Dooley	Feb. 28	544
George Wittchell Clarke	Jan. 28	539	Lewis Edward Kennedy	"	545

RETURN OF ELECTRIC-WINDING-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Class of Certificate : Electric Winding, Competency.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1915.			1916.	
George Henry Hunt	May 24	49	Percival Peter Gordon	Jan. 28	55
William Martin Luther Holdsworth	"	50	Albert Ernest Ritchie	"	56
John Caisley	Sept. 3	51	Arthur Ernest Toyer	"	57
	1916.		Jonathan Griffin	"	58
Thomas Henry Dawson Boles	Jan. 28	52	Charles Percy Baker	"	59
John Donnelly	"	53	Alexander Moncur Sommerville	"	60
William Foster	"	54			

RETURN OF ELECTRIC-TRAM DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1915, TO THE 31ST MARCH, 1916.

Class of Certificate : Electric Tram, Competency.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1915.			1915.	
William Caunt	May 24	440	Montague Fitz Rowland	Dec. 14	474
James Edward Goodyer	"	441	William John Ireland	"	475
Francis Walter Sanders	"	442	David Davis Trow	"	476
John Scott	"	443	Gilbert Richard Leslie Small	"	477
William Watson	Sept. 3	444	David Melville	"	478
Albert Edward Armstrong	"	445	Joseph Royle	"	479
Frederick Arthur Birch	"	446	James Thomas Young	"	480
David Henry Cosgrove	"	447		1916.	
Walter Beckingham Gibson	"	448	Samuel Edward Bales	Feb. 28	481
Frank Leonard Charles Scott	"	449	Hector James Doyle	"	482
William Auton Andersen	"	450	Ernest Edward Edwards	"	483
Cecil Kerridge	"	451	George Everard	"	484
Ernest Roland Paull	"	452	John Francis Furey	"	485
John Hislop McGuffog	"	453	George Ingmire	"	486
John Henry Coates	"	454	William Henry Jessup	"	487
Henry William Gardner	"	455	Frank Johnston	"	488
Alexander Ross Glen	"	456	Frank Dugdale Lord	"	489
William Heatherwick	"	457	William Marshmant	"	490
William Jeffreys	"	458	Harold Sawyer	"	491
Samuel George Jones	"	459	John Charles Troy	"	492
Albert John Oram	"	460	William Henry Cooke	"	493
Benjamin Robert Pitt	"	461	John Christopher Tulloch	"	494
Thomas Gordon Hare	"	462	Frederick Henry Smith	"	495
Harry Lawrence Holley	"	463	Duncan Darrock	"	496
Norman Christopher Keach	"	464	Joseph Donohue	"	497
Henry Charles Penny	"	465	Robert Ross Munro, jun.	"	498
William Henry Saunders	"	466	Francis Abraham Newman	"	499
James Walker	"	467	Robert Moffat Wilson	"	500
William Duff	Dec. 14	468	John Stewart	"	501
Herbert Holmes Ashworth	"	469	Hugh Henry Curry	"	502
Philip Baker	"	470	George Edward Havill	"	503
William James Drew	"	471	Ernest Osborne Perry	"	504
Alexander Charles Palmer	"	472	John Spence	"	505
William Edgar Roberts	"	473	George Edward Stone	"	506

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 City Council	Auckland	Road-roller	54 8	54 and 8½	Traction	Late Remuera County Council. Size of cylinders amended.
Auckland Electric Tramways Company	Hobson Street	Generators in power-house	123	17, 34, 20, 29½, and 46	First class	"
"	"	Ditto	123	Ditto	"	"
"	"	"	123	"	"	"
"	"	"	123	"	"	"
"	"	"	123	"	"	"
Auckland Farmers' Freezing Company (Limited)	Horotiu	Steaming	10	Two 18, two 12	"	"
Auckland Gum Company	Waipapakauri	Gum-digging	20	8½ and 12½	"	"
Auckland Harbour Board	Auckland	Dredge No. 1	65	14 and 24	"	Late Empire Gold-dredging Syndicate. Size of cylinders amended.
"	Calliope Dock	Sheer-legs	42	Eight 14, two 8	"	"
"	"	"	42	"	"	"
Bodley Bros.	District	General	5½	54 and 8½	Traction	"
Clow, T. R.	Papatoetoe district	"	5	8	"	Requirements of Act. Size of cylinders amended.
Colonial Sugar Company	Chelsea	Steaming	168	Four 12, two 18½, one 16	First class	"
"	"	"	141	Ditto	"	"
"	"	"	141	"	"	"
Cook, H. F., and Co.	Whangamumu	Boiling-down	83	Two 6½	Second class	"
Dawson, R.	District	General	6	8	Traction	Requirements of Act. Size of cylinders amended.
Devonport Borough Council	Takapuna	Pumping-station	16	13	Second class	"
"	"	"	16	13	"	"
Dominion Cement-works	Whangarei	Locomotion	16	Two 8	Locomotive	Additional. Late Drury Brick Company.
Dominion Brick and Pottery Company	Drury	Brickworks	25	15	First class	Additional.
Dominion Portland Cement Company (Limited)	Auckland	Hoist	19	Two 17	"	"
Foster, Robert	Unknown	Sawmill	12	Two 8½	Second class	Late Kauri Timber Company. Size of cylinders amended.
Gibbons, R. P. (Limited)	Kopu	"	50	8	"	Additional.
Hauraki Plains Dairy Company	Turua	Dairy factory	18½	8	"	Size of cylinders amended.
Hellaby, R. and W. (Limited)	Westfield	Abattoirs	62	Two 13½, one 10	First class	"
"	"	"	45	"	"	Size of cylinders amended.
Kauri Timber Company (Limited)	Neavesville	Log-hauling	20	Two 8	Second class	Size of cylinders amended; late Faithful and McConnell.
"	"	"	18	Two 8½	"	Late Faithful and McConnell.
Kemphorne, Prosser, and Co.	Westfield	Chemical-works	118	10 and 17	First class	Size of cylinders amended.
King Bros.	Waioitu	Sawmill	52	16	"	Late R. P. Gibbons (Limited).
Lane and Sons	Taiapa	Hauling logs	8	6½ and 11½	Traction	Requirements of Act.
Lion Brewery Company (Limited)	Khyber Pass Road	Brewery	41½	Nil	Second class	Late Great Northern Brewery Company.
Mount Eden Borough Council	District	Road-rolling	5½	5½ and 11	Traction	Requirements of Act.
McCallum and Coulhard	Whakapara	Sawmill	20	Two 10	Second class	Requirements of Act.
Newmarket Borough Council	Newmarket	Road-rolling	5	5½ and 9	Traction	Requirements of Act.
New Zealand Government Lands Department	Waikato Swamp	Dredging	10½	Two 9	Second class	Additional.
Nicol, G.	Papatoetoe	General	4	4½ and 7	Traction	Requirements of Act.
Northern Coal Company	Waro	Mining	11	Two 9	Second class	Size of cylinders amended.
Onehunga Borough Council	Onehunga	Pumping	20	16	First class	"
Onehunga Woollen-mills	Te Papapa	Woollen-mills	120	Nil	Second class	Late Wilson and Horton.

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 DISTRICT—continued.						
One-tree Hill Road Board ..	Epsom ..	Road-roller ..	5½	5½ and 9 ..	Traction ..	Additional ..
Parker-Lamb Timber Company ..	Mechanics Bay ..	Sawmill ..	74	20 and 20½	First class ..	Size of cylinders amended.
Penny, George ..	Ohaeawai ..	Hauling logs ..	8	6½ and 10	Traction ..	Late Easson Limited.
Prisons, H.M., Mount Eden ..	Mount Eden ..	Stone-crushing ..	23½	Two 9½	Second class ..	Size of cylinders amended.
Ruawai Dairy Company ..	Ruawai ..	Cheese-factory ..	25	10	" ..	Additional.
Redshaw Bros. ..	Richmond ..	Steaming ..	18	9	" ..	Size of cylinders amended.
Smith, T. L. ..	Clevedon ..	General ..	6	8	Traction ..	Requirements of Act.
Takapuna Borough Council ..	Takapuna ..	Road-roller ..	4	6½ and 4 ..	" ..	Additional.
Takapuna Tramway and Ferry Company ..	" ..	Hauling ..	16	Two 9½	Locomotive ..	Requirements of Act.
" ..	" ..	" ..	24	Two 12	" ..	" ..
" ..	" ..	" ..	25	" ..	" ..	" ..
Tauharuru Borough Council ..	Tauharuru ..	Stone-crushing ..	7	8½	Traction ..	" ..
Thames Valley Co-operative Dairy Company ..	Waikou ..	Cheese-factory ..	19½	Nil	Second class ..	Additional.
Union Oil, Soap, and Candle Company ..	Westfield ..	Steaming ..	58	16½	First class ..	" ..
Waihi Gold-mining Company ..	Waihi ..	Idle ..	56	Nil	Second class ..	Previously first class and winding.
" ..	" ..	" ..	56	" ..	" ..	" ..
" ..	Waihi and Waikou ..	Hauling ..	18	Two 9	Locomotive ..	Requirements of Act.
" ..	" ..	" ..	18	Two 10	" ..	" ..
Waihi Reefs Gigantic Consolidated Company ..	Waihi ..	Winding ..	12	Nil	Winding ..	Late Waihi Consolidated Gold-mining Company.
Waikato Co-operative Cheese-factory ..	Akaaka ..	Cheese-factory ..	20	Nil	Second class ..	Additional.
Waitangi Consolidated Gold-mining Company ..	Thames ..	Air-compressing ..	25	One 5, one 12	" ..	Late Waitangi Gold-mining Company.
Waikou Dairy Company ..	Waikou ..	Dairy ..	50	Unknown	" ..	Additional.
Waikou Town Board ..	" ..	Road-rolling ..	4	4½ and 7½	Traction ..	" ..
Warnock Bros. ..	Auckland ..	Soapworks ..	60	Nil	Second class ..	" ..
Westfield Freezing Company (Limited) ..	Westfield ..	Freezing ..	52	Two 30, two 10	First class ..	" ..
" ..	" ..	" ..	52	Two 19, two 9½	" ..	" ..
" ..	" ..	" ..	52	Two 16, two 7½	" ..	" ..
Whangarei Freezing-works ..	Reotahi ..	" ..	52	Nil	Second class ..	" ..
AUCKLAND SOUTH DISTRICT.						
Allwill, J. A. ..	Hautapu and District ..	Chaffcutting ..	10	7 and 11 ..	Traction ..	Requirements of Act.
Auckland Farmers' Freezing Company ..	Horotiu ..	Hauling ..	21	Two 9½	Locomotive ..	Additional.
" ..	" ..	Freezing ..	118	Unknown	First class ..	" ..
" ..	" ..	" ..	118	" ..	" ..	" ..
" ..	" ..	" ..	118	" ..	" ..	" ..
" ..	" ..	" ..	118	" ..	" ..	" ..
Ellis and Burnand ..	Mangapeehi ..	Log-hauling ..	23	Two 8	Second class ..	Size of cylinders amended.
Eynon, W. J. ..	Morrinsville ..	Chaffcutting ..	5	5 and 8½	Traction ..	Additional.
Hamilton Borough Council ..	Hamilton ..	Road-rolling ..	5	5½ and 8 ..	" ..	Requirements of Act.
C. Jarrett and Son ..	Cambridge ..	Chaffcutting ..	5	5 and 8½	" ..	" ..
Liggins and Smith ..	Waitoa ..	Flax-mill ..	40	14½	First class ..	Late Farrow and Liggins.
Melville, A. J. ..	Cambridge ..	Chaffcutting ..	6	5½ and 9 ..	Traction ..	Requirements of Act.
Melville, Wilfred ..	" ..	" ..	4	6½	" ..	Late S. Baldwin.

Miller, H.	..	..	..	..	..	6	5 $\frac{1}{2}$ and 10	..	Traction	..	Requirements of Act.
New Zealand Dairy Association	..	..	..	..	..	34	16 $\frac{1}{2}$	..	First class	..	Size of cylinders amended.
"	..	..	..	..	..	17-3	6	..	Second class	..	"
New Zealand Packing Company (Limited)	..	..	..	..	..	12	11	..	"	..	Additional.
"	..	..	..	..	..	65	6 and 9	..	"	..	Size of cylinders amended.
Raglan County Council	..	..	..	..	..	50	Two 9	..	"	..	Late Waihi Gold-mining Company.
Taupiri Coal-mines (Limited)	..	..	..	..	..	7 $\frac{1}{2}$	5 $\frac{1}{2}$ and 9 $\frac{1}{2}$	..	Traction	..	Requirements of Act.
Taupiri Coal-mines (Limited)	..	..	..	..	..	18	Two 10	..	Locomotive	..	Additional.
"	..	..	..	..	..	158	9 $\frac{1}{2}$ and 18	..	First class	..	"
"	..	..	..	..	..	158	"	..	"	..	"
Taylor, W., and Sons	..	..	..	..	..	35	Two 18	..	Steam winding	..	Size of cylinders amended.
Waipa Railway and Collieries (Limited)	..	..	..	..	..	5	7 $\frac{1}{2}$	..	Traction	..	Requirements of Act.
"	..	..	..	..	..	57	Two 9	..	Second class	..	Additional.
"	..	..	..	..	..	57-8	6 $\frac{1}{2}$, 10 $\frac{1}{2}$, and 10	..	First class	..	Size of cylinders amended.
Waikato Farmers' Co-operative Bacon Company (Limited)	..	..	..	..	..	17	Two 5	..	Second class	..	"
"	..	..	..	..	..	33	Two 12	..	Locomotive	..	Late Wellington-Manawatu Railway Company.
"	..	..	..	..	..	88	9, 14 $\frac{1}{2}$, 9, and 6	..	First class	..	Size of cylinders amended.
Wilson, I. J.	..	..	..	..	..	68	Two 13	..	"	..	Late Kiriaka Sawmilling Company.
CANTERBURY DISTRICT.											
Allen Bros.	..	..	..	..	..	6	8	..	Traction	..	Late J. Whyte.
Bennett, Herbert	..	..	..	..	..	8	6 $\frac{1}{2}$ and 10	..	"	..	Requirements of Act.
"	..	..	..	..	..	8	9	..	"	..	"
"	..	..	..	..	..	8	9	..	"	..	"
Bishop, James	..	..	..	..	..	6	5 $\frac{1}{2}$ and 8 $\frac{1}{2}$	..	"	..	Additional.
Blakemore Bros.	..	..	..	..	..	8	6 $\frac{1}{2}$ and 10 $\frac{1}{2}$	..	"	..	Requirements of Act.
Bowman and Bruere	..	..	..	..	..	8	9	..	"	..	"
Bowman, John	..	..	..	..	..	8	9	..	"	..	"
Bowman, E. A.	..	..	..	..	..	8	9 $\frac{1}{2}$	..	"	..	"
Brown and Gee	..	..	..	..	..	8	9	..	"	..	"
Brown's Hybury Laundry	..	..	..	..	..	20	10	..	Second class	..	"
Burgin, Arthur	..	..	..	..	..	8	6 and 10	..	Traction	..	Additional.
"	..	..	..	..	..	7	8 $\frac{1}{2}$	..	"	..	Requirements of Act.
Burnes, William	..	..	..	..	..	8	6 $\frac{1}{2}$ and 10	..	"	..	"
Canterbury Frozen Meat Company	..	..	..	..	..	36	Nil	..	Second class	..	Cylinders taken out.
"	..	..	..	..	..	36	"	..	"	..	"
Christchurch City Council	..	..	..	..	..	5	5 and 8	..	Traction	..	Requirements of Act.
Christchurch Tramway Board	..	..	..	..	..	5	4 $\frac{1}{2}$ and 6 $\frac{1}{2}$	..	"	..	Additional.
"	..	..	..	..	..	8	Two 7 $\frac{1}{2}$	..	Locomotive	..	"
"	..	..	..	..	..	8	"	..	"	..	"
"	..	..	..	..	..	8	Two 6 $\frac{1}{2}$	..	"	..	"
"	..	..	..	..	..	8	Two 7 $\frac{1}{2}$	..	Traction	..	Requirements of Act.
Clark Estate	..	..	..	..	..	8	8 $\frac{1}{2}$	..	"	..	"
Clinton, Nicholas	..	..	..	..	..	8	9	..	"	..	"
Clinton Bros.	..	..	..	..	..	8	9	..	"	..	"
Coe, Robert B.	..	..	..	..	..	8	9	..	"	..	"
Cridge, Albert	..	..	..	..	..	8	9	..	"	..	"
Dalzell, H.	..	..	..	..	..	5	7 $\frac{1}{2}$	..	"	..	"
Dalzell and Purvis	..	..	..	..	..	9	6 $\frac{1}{2}$ and 10	..	"	..	"
Davies, Morgan J.	..	..	..	..	..	8	"	..	"	..	"

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.
CANTERBURY DISTRICT—continued.						
Evans, Owen	Woodgrove	General	8	8½	Traction	Requirements of Act.
Evans, R.	Kaipoi	"	10	9½	"	"
Everest and Sons	Greenpark	Threshing only	8	8½	"	"
Everest, George, and Sons	"	General	8	6½ and 11	"	"
Feather, Edwin, and Sons	"	"	8	6½ and 10½	"	"
Findlay, J. D.	North Loburn	"	10	6½ and 11½	"	"
Gardiner, Herbert	Rangiora	"	8	9	"	"
Gibbs, H.	Kirwee	Threshing only	8-7	6½ and 11	"	"
Gibbs, C. H. and L. G.	Irwell	General	8	6½ and 10½	"	"
Giles, Robert	Hororata	"	6	8	"	"
Gillanders, Donald	Balcarn	"	8	6½ and 11	"	"
Glenmore Brick Company (Limited)	Darfield	Threshing only	8	9½	"	"
Greer, David	Hillsborough	Stone-crushing	25	10½	Second class	Size of cylinders amended.
Hadecke, A.	Papanui	General	8	9	Traction	Requirements of Act.
Halswell Quarry Company	Rangiora	"	22	9	"	"
"	Halswell	Stone-crushing	9	6½ and 12	"	"
"	"	"	8	9	"	"
Hampton, C.	Doyleston	General	8	9	"	"
Hanna, Thomas	Sefton	Threshing	8	9	"	"
Hayes, W.	Halswell	Chaffcutting	5	8½	"	"
Holland, Alfred	Darfield	General	7	8½	"	Additional.
Holland and Giles	Kaipoi	"	8	8½	"	Requirements of Act.
"	Clarkville	"	9-6	9	"	Additional.
Homebush Coal Company	Homebush	Hauling	9	Two 7½	"	Requirements of Act.
"	Glentunnel	Pottery	45	14-½	"	Requirements of Act.
Homebush Pottery Company	"	Hauling	7	Two 6	First class	Late J. Dean.
Humm Bros.	Waddington	General	5	7	Traction	Requirements of Act.
Jarman Bros.	Kirwee	Threshing only	8	6½ and 10½	"	"
Jones, T. B.	Hororata	General	8	9½	"	Late Hutchison, Foster, and Co.
"	"	"	8	6 and 10	"	Requirements of Act.
"	"	"	9	6½ and 10½	"	"
"	"	"	8	6½ and 10	"	"
"	"	"	8	6½ and 10	"	"
"	"	"	10	7 and 11	"	"
"	"	"	8	9½	"	"
Judson, James	Woodend	Threshing	8	9	"	"
"	"	"	8	6½ and 10½	"	"
Kimber, A. H.	Springston	General	8	6½ and 10	"	"
"	"	"	8	12 and 22	First class	Late Christchurch Brick Company.
Lane, Walker, and Rudkin	Christchurch	Hosiery	30	6½ and 11	Traction	Requirements of Act.
Lenon Bros.	Doyleston	Threshing only	8	9	"	"
"	Killinehy	General	8	6½ and 10	"	"
Lincoln Agricultural College	Lincoln	"	8	6½ and 10	"	"
Lindsay and Dixon	Otapiri	Sawmill	20	Two 10	Second class	Additional.
Lytelton Harbour Board	Lytelton	Pumping-dock	15	Two 13½ and two 6½	First class	Size of cylinders amended.

Lyttelton Harbour Board	Lyttelton	Pumping-dock			Two 13½ and two 6½	First class	Size of cylinders amended.
"	"	Patent slip	..	15	Two 8½ ..	"	Additional.
"	"	Electric lighting	..	38	Two 9 and 14, two 9 and 14, one 6 and 14	Second class	Size of cylinders amended.
"	"	"	..	16	Two 9 and 14	First class	"
"	"	"	..	16	Two 9, two 14	"	"
Malvern County Council	Aylesbury	General	..	43	Two 9 and 9	Traction	Requirements of Act.
Maidonald, Martin	West Eyreton	"	..	6	5½ and 9	"	"
"	"	"	..	8	6½ and 10½	"	"
"	"	"	..	8	10½ and 6	"	"
"	"	"	..	8	9½	"	"
"	"	"	..	9	10½ and 5½	"	Additional.
Marshall, C. F.	Akaroa	Threshing	..	9	6½ and 10	"	Late John Roag.
Martin, Victor	Eyreton	General	..	9	9½	"	Requirements of Act.
Mathews, Robert T.	Rangiora	"	..	8	9	"	"
Maw Bros.	Southbridge	"	..	8	6½ and 11	"	"
"	"	"	..	9	6½ and 10	"	"
"	"	"	..	8	9	"	"
Mehrtens, H.	Ashley	"	..	8	6½ and 10½	"	"
Moody, Joseph B.	Woodend	"	..	8	8½	"	"
McCartney, R.	Motukarara	"	..	8	8½	"	"
"	Taitapu	"	..	10	6½ and 11½	"	"
McConnell, R. J.	Killinichy	"	..	8	6½ and 10½	"	"
McCrostie and Cullen	Greendale	"	..	10	7 and 11	"	"
McEvedy	Southbridge	"	..	8	6 and 10	"	"
McKay, A. and G.	Hukett	Threshing only	..	7	8	"	"
McMillan, R. T.	Irwell	Threshing only	..	8	6½ and 10½	"	"
North Canterbury Hospital Board	Christchurch	Heating	..	27	One 11, one 5	Second class	Size of cylinders amended.
Osborne, George	Doyleston	General	..	8	6½ and 11	Traction	Requirements of Act.
"	"	Threshing	..	8	9	"	Additional.
Pulley, Percy James	District	General	..	9-16	6½ and 10½	"	Requirements of Act.
Palmer, H.	Christchurch	Hauling	..	8	9½	"	"
Paparua County Council	"	"	..	8	9	"	"
Perryman, H. E.	Taitapu	General	..	8	6½ and 10½	"	"
"	"	Threshing only	..	8	9½	"	"
Philpott, W. M., and Sons	Christchurch	Hauling	..	7	7½	"	"
Pierson, F.	Brookside	Threshing only	..	8	6½ and 11	"	"
Pulley, Percy J.	Loburn	"	..	8	8½	"	"
Quigley, Frank	Doyleston	General	..	8	6½ and 11	"	"
Rangiora County Council	Rangiora	"	..	7	6½ and 10½	"	"
Reid, R.	Bennetts	"	..	8	9	"	"
Reid Bros.	"	Chaffcutting	..	5	5½ and 8	"	"
Rice, A.	Clarkville	Threshing	..	9	6 and 10½	"	Size of cylinders amended.
Robson, T. T.	Christchurch	Fellmongery	..	22	Nil	Second class	Additional.
Rossiter, John	Loburn	General	..	8	6½ and 11	Traction	Requirements of Act.
Sharp, John	Ladbrooks	"	..	8	6½ and 10½	"	"
Shields, Thomas A.	Waikari	"	..	8	6 and 10½	"	"
Shipley, Herbert	Greendale	Threshing only	..	8	8½	"	"
Simpson, G. F.	Southbridge	General	..	8	9	"	"
Sowden, T. G.	Aylesbury	"	..	8	8½	"	"
Storer, Harry	Kaiapoi	Threshing only	..	8	8½	"	Late Thomas Hanna.

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.
CANTERBURY DISTRICT—<i>continued.</i>						
Storer, Harry	Kaipoi	Threshing only	8	9	Traction	Late Blackmore Bros. Requirements of Act.
Terry Bros.	Lincoln	General	8	9	"	"
Thornley, Samuel	Waikari	Hauling	8	6½ and 11½	"	"
Washbourne, E.	Selwyn	General	8	9	"	"
Westwood, Thomas	Homebush	"	9	9	"	"
Woolston Tanneries (Limited)	Woolston	Heating	20	18	First class	Late McCrosbie and Westwood. Size of cylinders amended.
"	"	"	17	12 and 21½	"	Late Bowron Bros.
"	"	"	16	11	Second class	"
"	"	"	17	12 and 21½	First class	"
Young, James	Sefton	Threshing only	9	10 and 6½	Traction	Requirements of Act.
CANTERBURY SOUTH DISTRICT.						
Andrews, M.	Pleasant Point	General	8	6½ and 11	Traction	Requirements of Act.
Batchelor, R.	St. Andrew's	Threshing	9	9	"	"
Bean, T.	Studholme	General	8	9	"	"
Beattie, R. W.	Hilton	"	8	9	"	"
Bray, J.	Cricklewood	"	8	9	"	"
Brown, J.	Milford	"	8	6½ and 10½	"	"
Campbell, W. G.	Timaru	"	9	9½	"	"
Canterbury Frozen Meat Company	Pareora	Hauling	15	Two 8½	Locomotive Traction	"
Clark, W. J.	Levels	General	7	9	"	"
"	"	"	8	6½ and 11	"	"
Crowley, M.	Otaio	"	8	8½	"	"
Crump, D.	St. Andrew's	"	4	Nil	"	Late S. Carr. Requirements of Act.
Cumming Bros.	Waimate	"	8	6½ and 11½	"	Late Harris Bros. Requirements of Act.
"	"	"	10	"	"	"
"	"	"	8	8½	"	"
Donnithorne, F.	Temuka	"	8	9	"	"
Duncan, William	Willowbridge	"	8	6½ and 11½	"	"
Ellery Bros.	Ealing	"	16	6½ and 10½	"	"
Farm Steam Power Company	Morven	Threshing	8	9	"	"
Fibbs, A.	Timaru	General	8	7½ and 10	"	"
Gibson, S.	Makikihi	"	8	6½ and 11	"	"
Gillon, James	Waihao Downs	"	8	9	"	"
Greig, Thomas	Claremont	"	8	9	"	"
Greig, James	Gleniti	"	8	9	"	Late J. Greig. Requirements of Act Additional.
Grigg, J. C.	Longbeach	"	9	6½ and 10	"	"
"	"	"	9	"	"	"
"	"	"	10	6½ and 11½	"	"
Gudsell, Alexander	Winchester	"	8	9	"	"
"	"	"	6	8½	"	"
Hamilton, Andrew	Gleniti	"	8	6½ and 11	"	Requirements of Act.
Harkness, W.	Levels	"	8	6½ and 10	"	"

Hawkins, T., and Son	Waimate	General	8	6½ and 11½	Traction	Requirements of Act. Late J. Manchester Requirements of Act.
Hayman, H.	Studholme Junction	"	8	9	"	"
Hicks, George	Hunter	"	8	9	"	"
Howes, V.	Albury	"	9	9	"	"
Johnston, A.	Timaru	"	9	6½ and 11	"	"
Kellahan, William	Fairview	"	8	"	"	"
King, George	Washdyke	"	7	7½	"	"
Lister, Thomas	St. Andrew's	"	8	9	"	"
Lithgow, J.	Timaru	"	8	9	"	"
Meredith and Co.	Waimate	"	8	6 and 10	"	"
"	"	"	6	8	"	"
"	"	"	6	6½ and 10½	"	"
Meyers Bros.	"	"	8	9	"	"
Orr Bros.	Waitohi	"	8	9	"	"
Palmer Bros.	Rangitata	"	8	9	"	Late G. Saunders Requirements of Act.
Preddy, J.	Temuka	"	8	6½ and 10½	"	"
Quinn Bros.	Makikihi	"	8	6½ and 11	"	"
Reid and Gray	Timaru	"	9	5½ and 9½	"	Late William Quinn. Late W. W. Gaiger. Requirements of Act.
Saunders, George	Pleasant Point	Threshing General	9	9	"	"
"	"	"	8	6 and 11	"	"
"	"	"	9	6½ and 10½	"	"
Simpson, Thomas	Albury	"	8	9	"	"
"	"	"	8	6½ and 10½	"	"
Sullivan, W. J.	Otaio	"	8	6½ and 11	"	"
Tiffin, J.	Makikihi	"	8	6½ and 11	"	"
Timaru Harbour Board	Timaru	Crane (for sale)	7	Two 9	Locomotive Traction	Late F. Stocker. Requirements of Act. Additional.
Tozer, H. J.	Levels	General	8	6½ and 11½	"	"
"	"	"	8	9	"	Requirements of Act.
Tozer, F.	"	"	8	9	"	"
"	"	"	8	9	"	"
Walker, J. C.	Temuka	"	8	9	"	"
Wilson, J. T., and Co.	Fairlie	"	8	9	"	"
Winter Bros.	Cave	"	8	6½ and 10½	"	"
"	"	"	8	6½ and 11	"	"

HAWKE'S BAY DISTRICT.

Borthwick, T., and Son	Pakipaki	Hauling	12	Nil	Locomotive Traction	Additional. Requirements of Act. Late A. G. Williams.
Brausch, C.	Hastings	"	8	6½ and 11	"	"
Bull Bros.	Napier	"	7	6 and 10	"	"
Carling, Nicol, and Co.	Matawai	Hoisting	16-4	Unknown	Second class Traction	Additional. Requirements of Act.
Codd, A.	Mecanee	Hauling	6	5½ and 9	"	"
Hastings Borough Council	Hastings	Steam-wagon	7	Two 7	"	"
"	"	Road-roller	5-2	5½ and 8½	"	"
Hawke's Bay Farmers' Meat Company	Whakatu	Freezing-works	95	15 and 30	First class Traction	Additional. Requirements of Act.
Holt, R., and Sons	Napier	Hauling	6	6 and 10	"	"
"	Hastings	"	7½	6 and 10½	"	"
"	"	Well-sinking	6	6½	"	"
Mills Bros.	"	Hauling	6	6 and 10½	"	"
McLeod, A.	Matawai	Sawmill	33	Two 9½	Second class Traction	Late Wellington District. Requirements of Act.
McNab, J.	Hastings	Wood-sawing	6	8	"	"
Napier Harbour Board	Napier	Pile-driving	16	Two 7	Second class	Additional.
Nelson Bros	Gisborne	Freezing-works	42	12, 10, and 25	First class	Size of cylinders amended.

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.
HAWKES BAY DISTRICT—continued.						
Nelson Bros.	..	Freezing-works	42	12, 10, and 25	First class	Size of cylinders amended.
"	..	"	43	"	"	"
"	..	"	43	"	"	"
"	..	"	50	"	"	"
"	..	"	30	"	"	"
"	..	"	30	"	"	"
"	..	Hauling	23	9½	Locomotive	Additional.
"	..	Freezing	42	Unknown	Second class	"
"	..	Hauling	6	6 and 10½	Traction	Requirements of Act.
Newrick, F. C.	..	Steam-shovel	14½	Two 5½	"	Additional.
New Zealand Government Public Works Department	..	"
Pitcher, F.	..	Hauling	6	6 and 11	"	Late McDonald Bros.
"	..	"	6	8	"	Requirements of Act.
Quirk, T.	..	Sawmill	36	14	Second class	Change of district.
Ramlose, F.	..	Hauling	16	6 and 10	Traction	Requirements of Act.
Smith, G.	..	Sawmill	16	Two 9	Second class	Late Drummond Bros.
Street, J. S.	..	Brickworks	16	"	"	Late J. Fulford.
Tokomaru Sheepfarmers' Freezing Company	..	Hauling	5	6	Locomotive	Late Tokomaru Harbour Board.
"	..	Freezing	72	18 and 22	First class	Size of cylinders amended.
"	..	"	72	"	"	"
"	..	"	72	"	"	"
Weber County Council	..	Road-roller	4	4 and 6½	Traction	Additional.
NELSON NORTH DISTRICT.						
Bartlett Robert	..	Steam-tractor	4	4½ and 6½	Traction	Requirements of Act.
Bryant Bros.	..	Sawmill	30	10½	Second class	Late Charles White.
Collingwood Co-operative Dairy Company	..	Cheese-factory	30	9	"	Size of cylinders amended.
Mount Burnett (Limited)	..	Locomotive	23	Two 9½	Locomotive	Additional.
North Cape Coal Company	..	Unknown	35	Unknown	Second class	"
Prouse and Saunders	..	Locomotive	9	Two 7	Locomotive	Requirements of Act.
Seaford Coal Company	..	"	8	"	"	"
Soper, John W.	..	Traction-engine	6	8	Traction	Late R. Soper.
NELSON SOUTH DISTRICT.						
Inangahua County Council	..	Road-roller	4	4½ and 7	Traction	Additional.
Murray's Freehold Gold-dredging Company	..	Gold-dredging	64	8 and 12½, 7 and 11	First class	Late New Zealand Government State Mines.
New Zealand Government State Mines	..	Compressors	64	Two 21, 11½, 19½, 7 and 11, two 16, 14 and 10	"	Size of cylinders amended.
"	..	Mining	49	Two 7 and 11, two 8, 9, two 6	"	"
Pascoe, Rhodes, and McIntens	..	Straker wagon	6	3½ and 6½	Traction	Requirements of Act.
Perotti, A.	..	Hauling	11	Two 8	Locomotive	Additional.
Watson, R.	..	Locomotive	8	9½	"	Requirements of Act.
Westport Harbour Board	..	Hauling	30	Two 9½	"	"

OTAGO DISTRICT.									
Company	Adam's Flat	Engines	Gold-dredging	Engines	Class	Size of cylinders	Requirements	Additional	Remarks
Adam's Flat Gold-dredging Company	Adam's Flat	32	Gold-dredging	8 3/4 and 13 1/2	First class	Size of cylinders amended.			
Brooks Bros.	Evans' Flat	12	Flax-mill	7 1/2 and 11 1/2	Second class	"			
Brown Bros.	Mosgiel	7	Threshing only	8 1/2	Traction	"			
"	"	8	"	9	"	"			
Ballock, R.	Clinton	8	Threshing, &c.	9	"	"			
Christie, T. B.	Greenfield	8	Threshing and chaff-cutting	9	"	"			
Commercial Trading Company	Dunedin	25	Joinery	13	Second class	Late Hogg and Co. Requirements of Act.			
Crossan, A.	Kelso	8	Chaffcutting	9	Traction	Late Chatton Gold-dredging Company. Requirements of Act.			
Dominion Lime and Phosphate Company	Milburn	16	Lime-works	7 and 11 1/2	Second class				
Duncan and Co.	District	7 1/2	Chaffcutting only	8	Traction				
Fowler, A. E.	North Taieri	8	Threshing only	9	"				
Hamilton Bros.	Milton	8	General	9 1/2	"	"			
Harris, A.	Kyeburn	8	Threshing, &c.	6 1/2 and 10	"	"			
Houliston, R.	Balclutha	9	Threshing and chaff-cutting	9	"	"			
Jenkins, George D.	Kelso	8	Chaffcutting only	8 1/2	"	Requirements of Act.			
"	"	6 3/4	"	8	"	"			
Jenkins, Thomas, jun.	"	8	"	9	"	"			
Kean, Martin	Waivera South	8	Threshing only	9	"	Late R. L. Cross. Requirements of Act.			
Leonard Bros.	Balclutha	8	General	9	"	Requirements of Act. Additional.			
Mosgiel Woollen Company	Mosgiel	118	Woollen-mills	18 and 33	First class				
"	"	118	"	"	"	"			
McGregg and Co.	Dunedin	18	Starch-works	Nil	Second class	Cylinders detached. Requirements of Act.			
McKenzie, J.	Dunrobin	8	Chaffcutting	9	Traction	"			
Newson, R. W.	Clinton	6	Threshing and chaff-cutting	8	"	"			
New Zealand Coal and Oil Company	Kaitangata	20	Hauling	Two 10 1/2	Locomotive	"			
Ngapara Extended Gold-dredging Company	Alexandra South	22	Steaming	Engines not in use	Second class	Additional.			
Oamaru T. T. and O. K. Stone Company	Totara	10	Hauling	6 1/2 and 11 1/2	Traction	Size of cylinders amended. Requirements of Act.			
Overton, B.	Henley	8	Threshing	9	"	"			
Porter, Gibson	Milton district	8	General	9	"	"			
Reid, William	Clutha	7	Threshing and chaff-cutting	Two 8 1/2	"	Late J. Aitken. Requirements of Act.			
Robinson, Charles	Berwick	8	Threshing only	9	"	Requirements of Act.			
"	"	6	"	8	"	"			
Stewart, D.	Lawrence	8	Threshing and chaff-cutting	9	"	Additional.			
Smith, Charles	Tapanui	8	Ditto	9	"	Requirements of Act.			
Silverstream Brick and Tile Company	Silverstream	30	Brickworks	Unknown	Second class	Late A. and T. Burt. Requirements of Act.			
Taratu Coal Company	Taratu	13	Hauling	Two 8	Locomotive	"			
Thurston, F. J.	Heriot	8	Threshing and chaff-cutting	9	Traction	"			
Tough, W. A.	Milton	8	General	9	"	"			
Trusler, S.	Waipahi	8	"	9	"	"			
"	"	8	Chaffcutting only	9	"	"			
White and Co.	Dunedin	36	Cooking and heating	Unknown	Second class	Additional. Late Loudon's Coal Company. Requirements of Act.			
Wright, Watson, and Harrington	Tatakopa	28	Sawmill	14 1/2	First class	"			
Yorston, Y.	Waihola	6	Threshing only	8	Traction	"			

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.
SOUTHLAND DISTRICT.						
Butler, E.	Edendale	Hauling	4½	6½	Traction	Late J. Crooks. Requirements of Act.
Collett and Sons	Makarewa	General	9	9	"	"
Collett, C.	District	Chaffcutting	6	7½	"	"
Coombes, C.	Limehills.	"	3½	6½	"	"
Cussen, Peter	Tuatapere	Sawmill	20	12½	Second class	Late J. Murdoch. Requirements of Act.
Deegan, J. W.	Oreti	General	8	9	Traction	Requirements of Act.
Edendale Dairy Factory Company (Limited)	Edendale	Dairy factory	39	8	Second class	Additional. Requirements of Act.
Grant Bros.	Limehills.	General	9	9	Traction	Requirements of Act.
Hamilton and Co.	Tuatapere	Hauling	14	Two 8	Locomotive	Additional. Requirements of Act.
Keith, J. A.	Winton	Threshing only	8	9	Traction	"
Lind, Alexander	Orepuki	General	8	9	"	"
Lindsay, John	Drummond	"	8	9	"	"
More and Sons	Riverton	Hauling	8	Two 6½	Second class	"
"	"	"	8	"	"	"
New Zealand Pine Company	Colac	"	12	Two 8	Locomotive	"
New Zealand Sugar-of-Milk and Casein Company	Edendale	Sugar-of-milk factory	144	12, 7, and 12	First class	Size of cylinders amended. Requirements of Act.
Paterson, W. J.	Moesburn	General	9½	9	Traction	Size of cylinders amended. Requirements of Act.
Royds, C. J.	New River	Flax-mill	20	8 and 12½	First class	"
Saunders, F. J.	Spar Bush	General	8	9	Traction	"
Scott, J.	Hokonui	"	6	8½	"	"
Sinclair, E. C., and Sons	Dipton	Chaffcutting	4½	4½ and 6½	"	Late Thomas Dixon. Late Timaru district. Requirements of Act.
Slee, Frank	Fortrose	"	8	9½	"	"
Soper, G. A.	Garston	Threshing and chaff-cutting	8	6 and 9½	"	"
Soper, T. W., and Sons	Five Rivers	General	7	8	"	Additional.
Southland County Council	District	Hauling	8	6½ and 11½	"	"
Steffens, John	Where required	Miniature railway travelling in New Zealand	¾	Two 2½	Locomotive	"
Sutton, Joseph	Winton	General	8	9	Traction	Requirements of Act.
Todd and Wilson	Waikiwi	Hauling	4½	6½	"	Additional.
Wairio Railway and Coal Company (Limited)	Wairio	"	25	Two 10	Locomotive	Requirements of Act.
Williams, J. and R.	Drummond	General	9	9	Traction	Size of cylinders amended.
Woodlands Co-operative Dairy Company (Limited)	Woodlands	Cheese-factory	32	10	Second class	"
Wright, Stephenson, and Co.	Brown's	Lime-crushing	20	8½ and 12½	First class	Late Phoenix Gold-dredging Company.
TARANAKI DISTRICT.						
Andrews, B. and L.	Okato	Threshing, &c.	5-6	5 and 8½	Traction	Late H. and L. H. Andrews. Additional. Size of cylinders amended. Requirements of Act.
Ararata Co-operative Dairy Company	Ararata	Cheese-factory	24-7	10	Second class	"
"	"	"	20	10	"	"
Egmont County Council	Opunake	Road-rolling	3-8	42 and 6½	Traction	"
"	District	"	7	5 and 8½	"	"

Eltham County Council	..	District ..	Road-rolling	..	5½	5½ and 8½	Traction	..	Requirements of Act.
"	..	"	"	..	5½	"	"	..	"
Eltham Borough Council	..	"	"	..	6	5½ and 9½	"	..	"
Gilbert, J. B., and Sons	..	Castlecliff	Soap-works	..	40	Two 7	Second class	..	Size of cylinders amended.
Hadley, A., and Co.	..	New Plymouth	Oil boring	..	29	9	"	..	Late Bonithon Oil Company.
"	..	"	"	..	30	10	"	..	"
Hawera Co-operative Dairy Company	..	Glover Road	Chesse-factory	..	31	6½	"	..	Size of cylinders amended.
"	..	Fraser Road	"	..	20	6½	"	..	"
Hawera County Council	..	Hawera	Road-rolling	..	8	5 and 9	Traction	..	Requirements of Act.
Johnston Bros.	..	Waitara	Hauling	..	3-8	4½ and 7½	"	..	"
Mimi Co-operative Dairy Company	..	Waitotara	Chesse-factory	..	20	Nil	Second class	..	Additional.
Moa Road Board	..	Ingledwood	Road-roller	..	4	4 and 6½	Traction	..	"
New Plymouth Borough Council	..	New Plymouth	Traction	..	9	6½ and 10½	"	..	Requirements of Act.
New Plymouth Harbour Board	..	Moturoa	Hauling	..	14	Two 10	Locomotive	..	"
Okato and Punihio Co-operative Dairy Company	..	Punihio	Dairy factory	..	17	9	Second class	..	Late Rahoitu Co-operative Dairy Company.
Patea County Council	..	District	Road-roller	..	5½	5½ and 8½	Traction	..	Requirements of Act.
Patea Harbour Board	..	Patea	Dredging	..	23	8 and 13	First class	..	Late H. C. Belcher.
Rahoitu Co-operative Dairy Company	..	Rahoitu	Chesse-factory	..	20	9	Second class	..	Additional.
South Taranaki Bacon Company	..	Eltham	Bacon-factory	..	25	Nil	"	..	"
Stratford County Council	..	District	Road-roller	..	4	4 and 6½	Traction	..	"
"	..	"	"	..	5	5½ and 8	"	..	"
Syme, George	..	Hawera	Sash and door factory	..	36	13	Second class	..	Requirements of Act.
Taranaki County Council	..	Ingledwood	Crushing stone	..	8	6 and 9½	Traction	..	Requirements of Act.
"	..	"	Road-rolling	..	5	4½ and 7½	"	..	"
"	..	"	"	..	4-9	4½ and 7	"	..	"
Taranaki Produce Freezing Company	..	Moturoa	Freezing	..	42	8 and 15	First class	..	Size of cylinders amended.
Waimate County Council	..	"	General	..	4	4½ and 8½	Traction	..	Additional.
Waimea West County Council	..	Waimate West	Road-roller	..	5½	5½ and 8½	"	..	"
Watkins, A.	..	Hastings	Hauling	..	7½	6 and 10½	"	..	"
Wanganui County Council	..	District	Road-roller	..	4	4 and 6½	"	..	"
Wanganui Borough Council	..	Wanganui	"	..	6	5½ and 8½	"	..	Size of cylinders amended.
Wanganui Brewery Company	..	"	Brewery	..	26½	Nil	Second class	..	Late H. Brown and Co.
Wanganui Corporation Gasworks	..	"	Gasworks	..	48	14	"	..	Additional.
"	..	"	"	..	26	5	"	..	Size of cylinders amended.
Wanganui County Council	..	District	Road-roller	..	4	4 and 6½	Traction	..	Additional.

WELLINGTON DISTRICT.

Bevan, T., jun.	..	Levin	Hauling	..	6	8	Locomotive	..	Requirements of Act.
Cable and Co.	..	Kaiwarra	Shop tools	..	52	9, 15, and 24	First class	..	Change of cylinders.
Coley, George	..	Foxton	Flax-mill	..	14	Two 8½	Second class	..	Eate R. Rainsfield.
Dillon Limited	..	Okahukura	Air-compressor	..	14	Two 9½	"	..	Late Kohatua Quarry Company.
Greytown Wairarapa Dairy Company	..	Greytown	Chesse-factory	..	20	10	"	..	Size of cylinders amended.
Karori Borough Council	..	Wellington	Hauling	..	6	4 and 7	Traction	..	Requirements of Act.
Mace and Nicholson	..	"	"	..	7	4½ and 7	"	..	"
Maymorn Estate	..	Mangaroa	"	..	22	Four 7	Locomotive	..	"
McWilliams, J.	..	Wellington	Pile-driving	..	9	Two 8½	Second class	..	Late Canterbury District.
New Zealand Defence Department	..	"	Lighting	..	27	Two 12½	"	..	Size of cylinders amended.
New Zealand Government Public Works Department	..	Mangaroa	Log-hauling	..	12	Two 8½	"	..	Late Maymorn Estate.
Otagi-Manakau Dairy Company	..	Otagi	Dairy factory	..	17	6	"	..	Size of cylinders amended.
Seifert, A. and L.	..	Makerau	Flax-mill	..	58-3	"	"	..	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.
WELLINGTON DISTRICT—<i>continued.</i>						
Seifert, George	Tokomaru	Flax-mill	47	12 and 20	First class	Size of cylinders amended.
Wellington City Council	Wellington	Road-rolling	54	5½ and 8½	Traction	Additional.
Wellington Farmers' Meat Company	Waingawa	Freezing	22	12½, 20, 8, and 11	First class	Size of cylinders amended.
Wellington Gas Company	Wellington	Steaming	72	7, 8, and 10	"	"
Wellington Hospital Board	Newtown	Laundry	24	8½	Second class	Additional.
Wellington Meat Export Company	Ngaahurangi	Hauling	5	4 and 7	Locomotive	Requirements of Act
Wright, Stevenson, and Co.	Wellington	Freezing	25	9	Second class	Late Hill and Barton.
WELLINGTON NORTH DISTRICT.						
Abraham, King, and Co.	Foxton	Flax-mill	26	10½	Second class	Late Foxton Cordage and Flax-milling Company.
Awahuri Co-operative Dairy Company	Kauwhata	Dairy factory	41	7½ and 11	"	Size of cylinders amended.
Carter, F. J.	Horopito	Log-hauling	13	Two 9	"	Additional.
Foxton Cordage and Flax-milling Company	Foxton	Flax-mill	20	Two 10	"	Late Ora Flax-milling Company.
Gaisford, E. C.	District	General	6	9	Traction	Late Derrett Bros.
Glen-Oroua Dairy Company	Palmerston North	Dairy	20	Nil	Second class	Additional.
Linklater, Joseph	Bunnythorpe	Sawmill	6	7½	Traction	Requirements of Act.
Lowe, F. F.	Feilding	General	6	5 and 9	"	"
Manawatu Co-operative Dairy Company	Rangitoto	Dairy factory	16	6	Second class	Late Kenneth McDonald
Manawatu County Council	Sanson	Repairing roads	5½	"	Traction	Additional.
Marton Borough Council	Marton	Road-roller	4½	5 and 8½	"	"
Oroua and West Coast Meat and Produce Company	Feilding	Freezing-works	68-4	Not known	Second class	"
Tane Hemp Company	Rangitane	Flax-milling	57	14 and 23	First class	Requirements of Act.
Tanner, Robert	Karete	General	6	8½	Traction	"
WESTLAND DISTRICT.						
Ahaura Gold-dredging Company	Ahaura	Dredging	48	9 and 15	First class	Additional.
Bonanza Gold-mining Company	Nelson Creek	"	79	11 and 20	"	"
Consolidated Goldfields of New Zealand (Ltd.)	Waaita	Mining	48	Two 14, one 16, two 7, one 4½	First class and winding	Size of cylinders amended.
"	"	"	50	Two 14, one 16, one 14	"	Additional.
Five-mile Beach Gold-dredging Company	Okarito	Mining suction-pump	6	4 and 7½	Traction	"
Ikanatua Sawmilling Company	Ikanatua	Locomotive	8	Two 7	Locomotive	"
"	"	Sawmill	20	Two 11	"	"
Maffroy and Son	Ho Ho	Hauling	12	Two 9	Locomotive	"
Stratford Blair	Snowy	Sawmill	16	Two 10	Second class	"
"	"	"	16	"	"	"
Te Kinga Land and Timber Company	Te Kinga	Locomotive work	6	6 and 10	Locomotive	Size of cylinders amended.
Watson, R.	Dillmanstown	Hauling	5	5 and 9	Traction	Requirements of Act.
Westland Sawmilling Company	Inchbonnie	"	16	Two 7	Locomotive	"
"	Cameron	"	18	Two 8	"	"
"	Manawere	Sawmill	20	14	Second class	Size of cylinders amended.
"	Manawai	"	20	14	"	Late W. Morris and Sons

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NEW ZEALAND WRECK CHART.

1st APRIL, 1915, to 31st MARCH, 1916.

Compiled from Official Records in
the MARINE DEPARTMENT.

SYMBOLS.

STRANDINGS.

- Signifies a total loss.
 Signifies a partial loss.

COLLISIONS.

- Signifies a collision between a steamer and a sailing-vessel.

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.



AUCKLAND AND MANUKAU HARBOURS.

PORTION OF COOK STRAIT
AND
WELLINGTON HARBOUR.

