

SESSION II.
1918.
NEW ZEALAND.

MARINE DEPARTMENT.

ANNUAL REPORT FOR 1917-18.

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

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MY LORD,—

Marine Department, Wellington, 10th October, 1918.

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.,

THOMAS M. WILFORD,

Minister of Marine.

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

Governor-General of New Zealand.

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

SIR,—

Marine Department, Wellington, 31st July, 1918.

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.

The difficulty experienced last year owing to the absence of officers at the front has been felt more acutely during the past year in consequence of other officers going. Four officers—viz., J. C. O'Leary, J. Butler, D. N. Lawrence, and G. H. Weir—have been wounded, the last-mentioned having lost a hand. Messrs. Butler and O'Leary have recovered and have returned to the front. Mr. Lawrence has been discharged and resumed duty in the Department, and Mr. Weir is expected back in the Dominion at an early date.

Mercantile Marine Offices.

The work of the various offices have been carried out very satisfactorily. In addition to the ordinary duties services have been performed for the Defence Department, principally in connection with the crews of transports and hospital ships. The officers have willingly carried out these duties without any additional remuneration.

In the Wellington and Auckland offices the Defence Department has supplied military non-commissioned officers to see that the military papers of seamen who are engaged for ships are in order, and that the men are not evading the requirements of the military law.

In order to assist in procuring seamen for ships a Seaman Inspector has been appointed at each of the ports of Wellington and Auckland, whose duties are—

(a.) To keep a register of persons desiring to be entered as seamen or apprentices on board ships at the port; and

(b.) To supply seamen and apprentices to be entered on board ships at the port.

Captain A. Barr was appointed at Wellington and Captain C. B. Daniel at Auckland. The former has since resigned, and steps are now being taken to appoint a successor. The appointment of these officers has been of great benefit to vessels wanting men.

In a good many cases the Department has withheld the discharges of seamen who have deserted from or failed to join their ships. Whilst the discharges are withheld the men are unable to join other vessels.

A good many cases have occurred in which men who have shipped in the Dominion on steamers trading to the west coast of the United States have deserted on arrival at American ports.

Owing to the Chief Clerk of the Department being on military service, Captain H. T. W. Wilcox, Assistant Superintendent of Mercantile Marine at Lyttelton, has come into the Head Office to perform his duties, and Captain J. W. Burgess, one of the Wellington Surveyors of Ships, has taken up the duties of Assistant Superintendent and Surveyor of Ships at Lyttelton.

Appended is a statement showing the number of seamen engaged and discharged at the various ports in the Dominion during the year, and the fees received for engagements and discharges. The number engaged was 18,577, and the number discharged 17,872. The fees received amounted to £2,122 ls. 6d. During the previous year the engagements were 21,300 and the discharges 20,500, and the amount of fees £2,483 2s. 6d.

The transactions at the four principal ports were—

				Engagements.	Discharges.	Fees.		
						£	s.	d.
Auckland	...	...	...	5,729	5,560	739	14	0
Wellington	...	...	...	6,991	6,349	844	5	0
Lyttelton	...	...	...	1,411	1,352	196	8	0
Dunedin and Port Chalmers	...	...	...	2,781	3,062	140	4	0
During the previous year they were—								
Auckland	...	...	...	5,425	5,294	715	17	0
Wellington	...	...	...	7,485	6,946	948	11	6
Lyttelton	...	...	...	1,805	1,798	257	18	6
Dunedin and Port Chalmers	...	...	...	4,045	4,227	261	15	0

No fees have been charged for engagements and discharges on transports and hospital ships.

Proceedings for breaches of the law in regard to seamen were taken by the Department in the following case with the result stated: A. Dryden, master of the s.s. "Arahura," for taking a seaman to sea without entering into an agreement with him, convicted, but no fine imposed.

In the case of the appeal of the assistant manager of the Northern Steamship Company against his conviction for engaging seamen, referred to in my last year's report, the conviction was upheld.

Masters, Mates, and Engineers.

During the year 317 candidates passed their examinations and 94 failed. Of those who passed, 170 were masters, mates, and engineers of seagoing ships, 27 were masters and engineers of steamships plying within restricted limits, 27 were engineers of seagoing motor-propelled boats, and 93 were engineers of such boats plying within restricted limits. The difficulty of getting properly certificated second mates for sailing and auxiliary-powered ships has continued, and appears likely to continue while the war lasts. There has also been a difficulty in getting certificated men for some of the small launches, especially in the north, owing to the absence of certificated men at the front.

Captain William Whiteford, one of the Department's Examiners, who was sent to Great Britain to study the methods adopted in the Board of Trade examinations and the system by which

they are co-ordinated, has returned to the Dominion after having had practical experience of the examination work in Great Britain. Since his return he has spent some time with the Examiner at Auckland in connection with the changes in the examinations which will shortly be brought into operation in accordance with fresh rules which have been issued by the Board of Trade. This Department asked the Board of Trade to agree to the changes in the examination work being deferred until the end of the war, but it did not see its way to sanction this, and it is proposed to bring them into operation on the 1st October next.

When the new examinations come into force it is intended to hold examinations for foreign-going masters and mates once a month at Auckland, Wellington, Lyttelton, and Dunedin, instead of once a week as hitherto, which will be following the practice in Great Britain.

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

"The work on the whole has been carried out by the Examiners at the four principal ports in a satisfactory manner.

"Owing to the depletion of officers on account of the war the number of examinations held in New Zealand during the last year have again been small, and only about 20 per cent. greater than the number held on the year previous, when examinations were considerably fewer than for several previous years before the war. The number of failures in the examinations amounted to 41 per cent. Many of these, however, pass at second or third attempt within a few weeks of first trial.

"The greatest number of examinations were held this year in Wellington, especially of candidates for the higher grades of certificate.

"Captain William Whiteford, who went to England last year to study the new methods and system of examination to be brought into force this year, returned to the Dominion in March last, after visiting some of the shipbuilding-yards and examination-rooms in the United Kingdom, and spending a considerable time with Principal and Deputy Examiners of Masters and Mates in London.

"The new Regulations for Examination for Masters and Mates having just come to hand from the Board of Trade, it has been decided to bring the new methods and system of examination into force on the 1st October, 1918. Several new subjects are then to be brought into the examination for foreign-going candidates of all grades, including meteorology, shipbuilding, stability, elementary science, astronomy, and essay-writing.

"As the mark system, with a very liberal allowance for mistakes, is then to be brought in for all grades of the examination, it is expected that after the war, when candidates can get the opportunity to study, there will be fewer failures than before.

"Some additions were made to our examinations on the 1st September, 1917, all foreign-going and home-trade candidates being required to attain a minimum speed of eight words a minute in semaphore signalling, and five words a minute in Morse flashing and flag-waving.

"The chart-work problems have also been added to for the junior grade certificates of both foreign-going and home-trade candidates, and, in lieu of the definitions which candidates for second mate, foreign-going, were previously required to do, foreign-going candidates are now required to draw a figure and give an explanation of problem worked.

"One candidate only for the extra-master examination was examined and passed this year (Mr. Leonard Robertson, the master of the Queenstown Government steamers).

"No candidate for second mate, home trade, has ever presented himself for examination. I would suggest that in our new regulations the service for second mate, home trade, be three instead of four years.

"The above-mentioned examinations do not include the examinations for sight test, of which there were thirty, twenty-six passing successfully and four failing to pass the test."

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

Three prosecutions have taken place during the year for breaches of the law regarding certificated officers. In each case a conviction was obtained and a penalty imposed.

Registration of Shipping.

Returns are appended showing the vessels registered in the Dominion on the 31st December last. There were on that date on the register 184 sailing-vessels of 22,404 registered tonnage, and 376 steamers of 65,092 tonnage. The numbers at the end of the previous year were 190 sailing-vessels of 21,853 registered tonnage, and 390 steamers of 70,442 tonnage. The number of seamen and boys employed on board was 3,562, as compared with 3,520 at the end of 1916.

Survey of Ships.

Certificates have been issued to 246 steamers, 404 oil-engine vessels, and 66 sailing-vessels, as compared with 271 steamers, 465 oil-engine vessels, and 75 sailing-vessels in the previous year. Details as to alterations and repairs to vessels will be found in the appended report of the Chief Surveyor.

In addition to the inspection of cargo gear which is made by the Surveyors at the annual surveys of vessels, there are special Surveyors at Auckland and Wellington whose duty it is to examine such gear and to supervise the loading and discharge of ships.

The question having been raised as to whether further action is necessary for the prevention of accidents to waterside workers, a Commission, composed of the Minister of Marine, the Hon. T. M. Wilford, as Chairman, two representatives of the waterside workers (Messrs. Glover and Roberts), one representative of Harbour Boards (Mr. J. Marchbanks), and one representative of

shipowners (Captain McArthur), was set up to inquire into and to report as to what is necessary, and evidence was taken by the Commission at Auckland, Napier, Wellington, Lyttelton, Dunedin, and Port Chalmers. The recommendations of the Commission are attached hereto.

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

Proceedings were taken by the Department for breaches of the law in connection with the survey of ships: The master of launch "Leone," for carrying passengers without a certificate—convicted and ordered to pay costs; the master of s.s. "Kotiti," for carrying more passengers than allowed by the vessel's certificate—fined £6 and costs (on appeal the conviction was upheld); the master of launch "Phyllis," for running without a certificate for the boat—fined 5s. and costs; the master of launch "Konini," for carrying passengers without a certificate for the boat—convicted and ordered to pay costs; for running launch "Wahora" without the necessary life-saving appliances, and also for running without a survey certificate—fines of £5 and costs for the first-mentioned offence and £2 and costs for the second; for running a launch without a survey certificate the owner was fined £1 and costs; for running ketch "Result" without a survey certificate—fined 10s. and costs; for carrying more passengers in s.s. "Nikau" than allowed by the vessel's certificate—fined 10s. and costs; for running launch "Tuhua" in coasting trade without the boat having a certificate for that trade—fined 10s. and costs; for running scow "Pakihi" without a certificate for the vessel—fined £5 and costs.

Deceased Seamen's Estates.

The estates of twenty-seven seamen have been dealt with. The amount received was £531 3s. 6d., and the amount paid to relatives and other claimants was £409 19s. 1d. The sum of £1 4s. 6d., which had remained unclaimed for over six years, was paid into the Public Account. Appended is a return of the estates.

Wrecks and Casualties.

During the year eighty-one inquiries were held, seventy-four of them being preliminary inquiries and seven Magisterial inquiries. The appended returns show the casualties and an analysis thereof. Those on or near the coasts of the Dominion were 71, of 39,864 tons register, as compared with 50, of 25,484 tons register, in the previous year. The number of lives lost was one, as compared with fourteen in the previous year.

Notices to Mariners.

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

Government Steamers.

S.S. "Hinemoa."—This vessel has continued the work of conveying oil, gas, stores, coal, and provisions to lighthouses, and of overhauling, cleaning, and painting coastal and harbour buoys, and the erection and painting of beacons. This work has been carried out in a very satisfactory manner. A thorough examination of the vessel has been made, which showed that with care she will be able to safely carry on her work for some time yet. She has had a thorough chipping and cleaning out inside. In addition to the ordinary lighthouse work she has conveyed the material for three new dwellinghouses to Puysegur Point Lighthouse, and has also conveyed material to Dog Island for building a new lighthouse-tower.

S.S. "Amokura."—The training of boys for the sea on this vessel has continued during the year. There has been no difficulty in getting boys—in fact, a number have had to wait a good while for vacancies on board. The Department has had to appeal for some of the Instructors who were called up for military service, owing to its being found impossible to get other qualified and suitable men. In each case the Military Appeal Board adjourned the appeal *sine die*. Employment for the boys in other vessels has been found on their completing their training. As is usual, the vessel spent last winter in Wellington Harbour, and the boys attended Technical School classes in the ship's schoolroom on Thorndon Quay. The general behaviour of the boys has been good.

During the year the vessel visited the outlying islands to search for castaways, but none were found.

The necessary material and appliances for installing wireless on the "Amokura" has been obtained, and the work of installation will be put in hand shortly.

Appended is a return of the boys who have served in the vessel during the year.

S.S. "Rama."—This vessel, formerly H.M.S. "Torch," has been given to the Dominion by the Imperial Government, and has been placed under the control of this Department. She is at present moored in the stream in Wellington Harbour.

S.S. "Tutanekai."—As this vessel is no longer required for cable work she has been transferred from the Post and Telegraph Department to this Department, and it is the intention of the Minister for Marine to obtain reports immediately as to what would be the cost of making the vessel fit for carrying cargo and what amount she would carry if altered.

Lighthouses.

The erection of a tower for an automatic light on Flat Rock, in the Hauraki Gulf, has been commenced, but owing to exceptionally bad weather the progress has been slow. The site is on a rock which can only be worked when the sea is not rough. Soon after the erection was started a very heavy sea washed away the concrete which had been put down and also the casing in which it had been placed.

The erection of a new tower for Dog Island Lighthouse is now in progress. This is necessary owing to the mortar in the present stone tower perishing. The new tower is being built in ferro-concrete round the present structure.

Three new houses for the keepers have been erected at Puysegur Point to replace the old houses, which have become decayed. New houses are being built at Tiritiri, as the present ones are becoming uninhabitable.

An incandescent light has been installed at Mokohinou Lighthouse, and a new cowl fitted on the tower. A new crane has been obtained to replace one washed away during a heavy gale at Cuvier Island. An incandescent light has been installed at East Cape; a revolving cowl has been erected on the tower and an incandescent apparatus installed at Portland Island. An earthquake having shifted the apparatus at Castle Point, and damaged the chimney and roof of the principal keeper's house, the necessary repairs have been effected. The revolving machine at Cape Palliser has been overhauled and put in order. The fog-signal at Pencarrow Head has been overhauled and put in order. An Aga light has been installed at Jackson's Head in place of the Pintsch-gas light which was there; and an incandescent light has been installed in Moeraki Lighthouse.

One lightkeeper has been transferred to another Department, one has retired on superannuation, and seven have resigned during the year. Twelve positions are filled by temporary keepers owing to permanent keepers not being obtainable. Some returned soldiers have been appointed to the service, but the life does not appear to suit them, as most of them do not stay long. Seven keepers have joined the military forces. Owing to the depletion of the service the Department has had to appeal against keepers called up in the ballot being taken for military service, and in each case the Military Appeal Boards have adjourned the cases *sine die*, subject to the men remaining in the service.

Owing to the depletion of the office staff, caused by several officers being at the front, I have only been able to inspect the lighthouses at Castle Point, Portland Island, East Cape, Cuvier Island, Pouai Passage, Tiritiri, Mokohinou, Chickens, Cape Brett, Cape Maria van Diemen, and Kaipara. These stations were found to be in good order. Captain J. Bollons, of the s.s. "Hinemoa," who is also Inspector of Lighthouses, has inspected the lighthouses during the vessel's periodical visits with oil and stores.

Appended is a report by the Marine Engineer on the works dealt with by him during the year.

The amount of light dues collected was £28,141 4s. 11d., as compared with £32,790 13s. 9d. during the previous year.

Harbours.

The buoys and beacons in the harbours under the control of the Department have been overhauled and painted under the direction of Captain Bollons, of the s.s. "Hinemoa." This has also been done in the case of the coastal buoys and beacons.

A beacon has been made for the Brothers Rock in the Bay of Islands, and it will shortly be erected.

Groynes constructed on the Waikato River by the River Board having proved to be injurious to navigation, the Department has called upon the Board to remove a portion of them.

A large number of plans of works to be carried out by Harbour Boards have been submitted to the Department and approved by the Governor-General in Council, in accordance with the requirements of the Harbours Act, 1908. A return of these Orders in Council and of the Orders approving of plans of works constructed by other local bodies and persons is appended.

The sum of £907 3s. 4d. was collected for pilotage and port charges in respect of harbours under the control of the Department, as compared with £1,100 15s. 10d. 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 northern oysters by the Department was continued last season, the season being open from the 1st May until the 31st October. The quantity picked and sold was 10,357 sacks, which realized £6,890, and gave a net profit of £1,071 9s. 8d., a portion of which was expended in replanting depleted areas. Of the quantity mentioned 875 sacks were disposed of in parcels of about five dozen at 1s. and in parcels of about sixteen dozen at 3s. 6d. Of the quantity sold, 7,917 sacks were sold in Auckland, 305 at Russell, 3 at Hokianga, 445 at New Plymouth, 9 at Wanganui, 378 at Gisborne, 106 at Napier, 8 at Hokitika, 28 at Greymouth, 29 at Westport, 127 at Wellington, and 8 at Christchurch. The balance, 119 sacks, which was received during the hot weather at the end of the season, arrived at the depot in an unsaleable condition and was bedded down. The price charged per sack at Auckland was 13s. 6d.

Replanting of depleted areas has been carried out in Whangaroa Harbour, and some Foveaux Strait oysters have been planted off the south coast of Cook Strait between White Bluff and the Awatere River. Further planting in this area will be undertaken shortly.

In the Bay of Islands oysters attached to loose stones near high-water mark, where the oysters never grow to full size, have been moved down to near low-water mark, as it has been found that when this is done the oysters soon grow to full marketable size.

The oysters taken in Foveaux Strait last season were 1,333,520 dozen, valued at £12,548, of which 49,900 dozen, valued at £338, were exported to Australia, the export being low owing to the absence of regular steamers from the Bluff.

Quinnat-salmon ova were again collected in order to continue the stocking of the Hokitika River and commence the stocking of the Wairau and Clutha Rivers. 1,525,000 eyed ova were obtained, of which 25,000 were sent to Tasmania, 1,485,000 fry were obtained, and these were liberated in equal quantities in the rivers mentioned.

As previous years had shown that very large numbers of salmon went up the Waitaki and Rangitata Rivers it was decided to allow anglers to fish for them in those rivers last season, and the Department made arrangements to net the fish outside the rivers, but, unfortunately, owing to the weather being bad and the rivers being frequently flooded and fewer fish going up, both the angling and netting proved a failure.

A report by Mr. L. F. Ayson, Chief Inspector of Fisheries, on the fisheries of the Dominion is appended, as is also a return of registered fishing-boats licensed at the various ports during the year ended the 31st December, 1917.

The following proceedings have been taken for breaches of the Fisheries Act, viz.: Master of trawler "Muriel," for trawling within prohibited limits—fined £5 and costs (vessel, which was forfeited for the offence, was returned on payment of £100); N. Fagan, for illegally taking oysters—fined £3 and costs; Mrs. Wrigley, for illegally taking oysters—convicted and ordered to pay costs; P. Garea, for being in possession of oysters in close season—fined £2 and costs; W. Pateman and F. Kendall, each fined 10s. and ordered to pay 7s. costs, and C. Weston, convicted and ordered to pay 7s. costs, for using unlicensed fishing-boats; S. Lee, for illegally taking oysters—fined £5 and costs; H. Hayward, M. Hayward, and J. Duffy, for stalling—each fined £1. and costs (forfeited nets were returned on payment of £5).

Meteorological and Weather Office.

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

"There has been no change in the office during the past year, and Mr. Athol Stretton is still with the Forces in France.

"The usual routine of forecasting and climatological work has been carried out, and annual and monthly statistics published as formerly; but it is desirable to embody the results of previous years in a single publication.

"There have been one or two rather serious breaks in the records at our chief stations, and some of the rainfall observations have been irregular on account of the exigencies of the war. The value of these records greatly depends upon their continuity, and as our observers are nearly all voluntary it is desirable that some form of recognition should be made by the presentation of books or instruments to faithful volunteers.

"The majority of our records are naturally in more settled districts near the coast, but we need more inland records, especially at high-level places near the sources of the chief rivers. This would enable us to get observations of snow conditions on the mountains, upon which so much depends for irrigation, floods, &c.

"Inspection of stations has been curtailed on account of expense and shortage of staff. On account of the difficulty of obtaining new instruments the utmost care has been exercised over issues in the place of broken and old instruments.

"New climatological stations have been established at Trentham and Featherston Military Camps at the request of Surgeon-General Henderson, and satisfactory results have been obtained. A new station has also been established at Kisselton, Lake Coleridge, in connection with the electrical water-power scheme; and another station also at Brightwater, near Nelson.

"Wireless reports have been received regularly from Chatham Islands, and the information has been cabled daily to Australia with other information from New Zealand.

"The most unusual feature observed in the weather through the year has been the large number of ex-tropical disturbances, which have brought heavy rainfall in the northern parts of New Zealand, while westerly disturbances have been less frequent."

Inspection of Machinery.

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

I have, &c.,

GEORGE ALLPORT, Secretary.

The Hon. the Minister of Marine, Wellington.

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

SIR,—

Wellington, 26th July, 1918.

I have the honour to present the following report on the fisheries for the year ended 31st March, 1918.

During the year I visited the following fishing ports and stations, viz.: Riverton, Bluff, Nugget Bay, Port Chalmers, Moeraki, Oamaru, Timaru, Lyttelton, Kaiapoi, Picton, Marlborough Sounds, Cook Strait, Napier, Hauraki Gulf, Great Barrier, Whangarei, Bay of Islands, and Kaipara. I assisted with the erection of a salmon-hatchery at Pembroke for the purpose of stocking the Molyneux with salmon. As sufficient skilled assistance was not available I again assisted with the collection of salmon-eggs at the Dobson River, and I also personally liberated the salmon-fry hatched out at the Kokotahi, Maori Creek (Wairau), and Pembroke Hatcheries.

From the information contained in the reports supplied by the Inspectors of Fisheries it would seem that generally fish have been plentiful on the fishing-grounds, and that the shortage of fish at times was principally due to unfavourable weather conditions preventing fishermen from working. A continuation of strong easterly winds along the east coast greatly interfered with fishing during the end of summer and through the autumn months. Fishermen lost a great deal of time, and the markets were short of fish.

The great increase in the price and short supply at the present time of coal, benzene, lubricating-oil, nets, netting-twine, hooks and lines, and all other necessities connected with the fishing trade comes very hard on fishermen, and is having a far-reaching effect on their earnings and also on the fish-supply for market throughout the Dominion. I believe it is correct to say that, with the exception of one or two instances, there has been little or no increase in the price which fishermen get for their fish since the war began. The result is that, with the high rate of wages offering at other employment, a number of men have given up fishing and taken to other work where they can earn more money and have a regular income. The position with regard to the supply of nets, netting-twine, and all other necessities connected with the fishing trade has become so serious that I would recommend that immediate steps should be taken by the Government to assist in securing the necessary supplies.

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

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

Hokiangā.—The market fish taken at this port are principally mullet, schnapper, flounder, and kahawai. These have been fairly plentiful during the year.

Russell.—With the exception of flounder-market fish have been plentiful; fishermen report mullet and schnapper as being more plentiful than they have been for a good many years. The principal market for fish is Whangarei and inland towns and settlements. Whales have been plentiful, and a very good season has been experienced at the Whangamumu whaling-station. The sport of angling for kingfish and swordfish has become famous, and the number of sportsmen from England, Australia, and from all parts of the Dominion is increasing every year.

Whangarei.—Fish of all kinds have been plentiful, but the number of fishermen has decreased during the last two years, and the supply for local requirements is now principally obtained from Bay of Islands.

Kaipara.—The catch for the year has been very small compared with former years. The low price given to fishermen for their fish, the high price of benzene, nets, &c., and having to compete with the trawlers working from Auckland has made fishing an unprofitable occupation for those engaged in it at Kaipara.

Auckland.—The return supplied for the present year shows a very large increase in the quantity and also in the value of fish marketed in comparison to the previous year. With the exception of flounder and mullet all the other market fish have been plentiful. The number of hook-and-line boats fishing has shown a considerable increase during the year.

Thames.—The fish usually caught by the net and hook-and-line fishermen in the Thames Gulf have been plentiful, and more fish was brought in at times than the fishermen could dispose of. Fishermen complain of the difficulty of finding a market for all they can catch.

Tauranga.—During the year practically no fish have been caught for the Auckland market, fishing being confined to what is required to supply Tauranga and district. The extensive fishing-grounds in the Bay of Plenty are capable of great development, as very large supplies of schnapper, tarakihi, trevalli, and hapuku can be taken either by trawling or by lining.

Gisborne.—There has been no scarcity of fish, but owing to the bad weather on the east coast, combined with the high price of petrol, there has not been the activity in the fishing industry as in former years.

Napier.—The year, on the whole, has been a bad one for the steam trawlers as well as for the small-boat men. The principal reasons given are scarcity of fish, high cost of materials, and difficulty of getting a supply of coal and also labour, and the prevailing easterly weather prevented the small boats working outside or hauling on the western beach.

Wanganui.—All kinds of fish have been plentiful, but on account of so many men having gone away on active service there are not as many engaged in fishing as formerly.

Foxton.—The year has been about an average one as regards the quantity of flounder and schnapper taken. The run of whitebait was about the average of the seasons.

Wellington District.—There has been a considerable falling-off in the number of boats engaged in fishing during the year, seventy-five being licensed, as against eighty-nine for 1917. Good catches of hapuku and hake have been made in Cook Strait when weather conditions were favourable, but a continuation of easterly winds during the summer and autumn very much hampered fishing operations all round the coast, and resulted in a short supply for market from the local fishing-grounds.

Picton.—The quantity of market fish taken has been about the average of the two previous seasons. The whaling season was a successful one for those engaged in the industry in the Sounds and Cook Strait.

Wairau.—On account of a plentiful supply of fish and easy facilities for shipping to the Wellington market the fishing industry is in a thriving condition.

Nelson.—The catches during the past year have not been up to the catches of the previous year. It is considered that the reason why the fishing industry does not show better development is due to unsuitable marketing conditions and the want of proper cool storage for fish at Port Nelson.

Westport.—The season has been a good one as far as the large fish usually caught—viz., hapuku, schnapper, and flounder—are concerned, but the run of whitebait was exceptionally poor.

Greymouth.—The whitebait season was a very poor one. The catch of other fish was about the average of other seasons. The fishing is chiefly done between January and April.

Hokitika.—The catch of whitebait last season is said to be the poorest for a good many years. The catch of other fish was also poor.

Kaikoura.—Strong easterly winds during the summer and autumn hindered fishing operations. Fish have been plentiful and good catches made whenever weather conditions were favourable.

Rangiora.—A good catch of whitebait for the season is reported; other fish fairly plentiful.

Kaipoi.—Very good catches of whitebait were made during the season, the value of the catch for the season being estimated at £2,000. Flounder and kahawai have been fairly plentiful in the estuary.

New Brighton.—The Inspector reports that only whitebait fishing was carried on during the year, and the run of these fish was rather poor.

Lyttelton.—During the year there has been a decrease in quantity of the fish caught. The cause of the decrease on the previous year's catch is said to be owing to the scarcity of all kinds of fish, and to some of the fishing-boats having left the port and gone to Timaru. The Inspector reports that fish are landed in a cleanly manner, and forwarded by rail to Christchurch market with the least possible delay.

Akaroa.—Fish have been fairly plentiful during the year, and whenever weather conditions were favourable good catches were made.

Southbridge (Lake Ellesmere).—The catch of flounder and herring for the year has been rather poor. This is principally due to the outlet being blocked during most of the time when the fish would run in from the sea.

Timaru.—There has been a considerable increase both in the quantity and value of the fish brought in during the year. A freezing and ice-making plant for fish has been erected by Messrs. Ferron and Co., wholesale fish-merchants, of Christchurch. This will enable fishermen to forward their fish to market at all seasons without risk of loss. During the year an exclusive license for a natural oyster-bed has been granted. A certain amount of prospecting has been done, but the returns so far have not been encouraging to the holder of the license.

Oamaru.—Generally speaking fish have been plentiful during the year, but the industry has been handicapped by inconvenient transport facilities and high cost of benzene and other necessities, and during the year an unusual number of days have been lost by fishermen owing to the strong easterly winds which prevailed, and which brought up heavy seas along the coast.

Moeraki.—Fish have been plentiful, and good catches have been made whenever the weather conditions were favourable.

Otago District.—With the exception of the first four months of the season the past year has been a very unsatisfactory one for fishermen. The weather conditions during the latter part of the year were very unfavourable, fishermen only being able to get out at intervals, and on several occasions not a boat could get out for a week at a time. The Dunedin market has on very few occasions been oversupplied with fish—generally the supply during the year has been irregular and insufficient. For a considerable time fish were scarce on the trawling-grounds. Taking the year on the whole the seine fishermen have done fairly well. The Nugget Bay fishermen have had a poor season, and a number of them have given up fishing and taken to other employment.

Invercargill.—The catches of fish during the year have been about equal to other seasons. Flounder have been fairly plentiful. The Inspector reports the wholesale destruction of immature flounder by "week-end" parties who frequent the New River Estuary. Owing to the high wages offered at other employment a number of fishermen have given up fishing, and this has caused a considerable falling-off in the supply of fish for the local market.

Bluff.—Fish have been plentiful and the season generally has been a good one. Oysters have been plentiful and in splendid condition. Owing to the continued irregularity of the inter-colonial steamer service there has been a decrease in the export of fish and oysters.

Stewart Island.—During the past year fishing has been fairly good. The only fish the merchants will take are blue cod and groper (hapuku), and consequently these are the only fish caught by fishermen.

Chatham Islands.—The local Inspector reports that the fishing industry is in a flourishing condition, and the fishermen seem satisfied with the rate of remuneration they receive for their labour. There are three fish-freezing establishments, and the steamer "Himitangi," owned by the Chatham Island Fishing Company, runs regularly to the islands, taking down mails and stores for the settlers and fishermen, and bringing back fish, produce, and stock.

Rock-oyster Beds.

The total quantity of oysters marketed last season was 10,357 sacks. Of this quantity 4,108 sacks were taken from the Bay of Islands beds, 3,569 from the beds in the Hauraki Gulf, 2,167 from Kaipara, 510 from the Great Barrier beds, and 3 sacks were picked at Hokianga.

The Government oyster-depot has been shifted from the Railway Wharf to a site beside the Municipal Fish Market.

The beds at Bay of Islands have made satisfactory improvement during the last two or three years. There has been a fair fixing of spat last season on the beds in Pourerua, Ti Mongonui, and part of Kerikeri, but the fixing on the rest of the beds in the bay has been poor. The beds on the Hauraki Gulf are in good condition, but the fixing of spat on most of them last season has also been poor. On the Mahurangi, Kawau, and Whangarei beds there was a very good fixing, and in consequence the yield of oysters from them should in three or four years be greatly increased. The replanted beds on the Coromandel coast and islands in the Thames Gulf are improving very satisfactorily. A great amount of valuable work in improving the beds by removing high-water oyster-rock to medium-low and half-tide was carried out at Bay of Islands during the summer

months. A start was also made to plant beds in Whangaroa Harbour. A scow-load of about 50 tons of oyster-rock was taken from the Bay of Islands and successfully planted by Inspector Flinn in three of the most sheltered bays in the harbour. On account of the increasing demand for oysters it is most important that the work of planting new beds and extending and improving the present beds by removing high-water oyster-rock to and below mid-tide level, and filling in blank spaces on the beds with rock, should be persevered with year by year.

Planting Foveaux Strait Oysters in Cook Strait.

A commencement was made during the year with planting in Cook Strait oysters taken from the Foveaux Strait beds. Sixty sacks of roughly culched oysters were supplied by one of the Bluff oyster firms. They were taken across in the s.s. "Wairau" to the south side of Cook Strait, where they were planted on suitable bottom in 10 to 14 fathoms between White Bluff and the mouth of the Awatere River. It is advisable that this work should be continued for several years.

Quinnat Salmon.

At the Hakataramea Hatchery last season (1917) 1,437,000 salmon-eggs were collected, and 100,000 were taken at the Dobson River, making a total of 1,537,000 collected for the season, producing 1,525,000 eyed eggs. These were disposed of as follows: 25,000 were supplied to the Tasmanian Government; 500,000 were sent to the West Coast, to continue the work of stocking the Hokitika River; 500,000 to the hatchery at Maori Creek, to begin stocking the Wairau River (Marlborough); and 500,000 to Pembroke, to begin stocking the Molyneux River. The eggs hatched out well, and from the 500,000 sent to each 495,000 fry were hatched out and liberated in the tributaries of each river.

An exceptionally large run of salmon came up the Waitaki and Rangitata Rivers last season. The first fish were observed in the Waitaki in January, when a few were caught. The largest runs, however, took place through February, March, and April, when they were taken freely by anglers. Over 700 were netted at Hakataramea during the spawning season, and 95 at the Dobson River. The average weight of the fish was fully 16 lb. From the information collected by the Department it would seem that about 400 salmon were caught by anglers from all parts of the Waitaki, and about 368 from the Rangitata. The average weight of the fish was stated to be about 16 lb.

On account of the steady increase of salmon and the very large run which came up the rivers last season the Department decided to legalize the taking of salmon by anglers, and also to carry out some experimental fishing for them at sea for market. The run of salmon this season, however, proved very disappointing—very few were taken by anglers, and the experimental salmon fishing by the Department was a failure. Very few salmon came up the Waitaki or other rivers this spawning season (1918). The fish caught were not more than half the average size they were other seasons, and generally they were in poor condition. The small average size of the fish compared with other seasons and their poor condition would seem to point to a scarcity this season of their natural feed in the ocean. American authorities who have made a special study of the life habits of this salmon state that very little is known of its life from the time it enters the sea in the early stages of its life until it returns to the rivers in prime condition and sexually mature. Any scarcity in the salmon's ocean food may only be temporary, and is probably due to the food migrations of sprats, pilchard, herrings, and other fishes which they usually feed on.

Development of the Fisheries.

With regard to the development of and also the assistance to the fisheries which are required, I have, with some additions, to repeat what was stated in my last year's report, viz. :—

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

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

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

- (1.) That the Government advance money to fishermen for the purchase of suitable boats and fishing outfit.
- (2.) The insurance of fishermen's boats by the State Fire Insurance Office.
- (3.) The erection of fish-chilling and ice-making plants in outlying parts of the coast, so as to prevent the loss of fish during warm weather and ensure all fish reaching market in a perfectly fresh condition.

- (4.) Encourage fishermen to go in for purse-seining by a practical demonstration of the use of this net on the various fishing-grounds around the coast. By this method fish can be taken in very large quantities and at small cost in comparison to trawling.
- (5.) Giving a bonus on fish canned and cured for export, and also on the production of fertilizer manufactured from fish-offal and unmarketable fish, and for the manufacture of potash and other products from kelp and seaweed.
- (6.) That the Government take immediate steps to provide the necessary supplies of benzene, lubricating-oil, nets, netting-twine, hooks, lines, &c., which are required by those engaged in the fishing industry.

I have, &c.,

L. F. AYSON,
Chief Inspector of Fisheries.

Table showing the Number of Steam Trawlers, Oil-engine Trawlers, and other Vessels employed in Line and Net Fishing, with the Number of Fishermen employed, and approximately the Total Number of Persons engaged in the Fishing Industry at each Port for the Year ending 31st March, 1918.

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

Name of Port.	Steam Trawlers.	Oil-engine Trawlers.	Line- and Net-fishing Vessels.	Number of Fishermen employed.	Persons Employed in various ways in connection with the Industry.	Total Number of Persons employed.
Russell	..	..	35	70	50	120.
Hokianga	..	..	15	20	12	32
Whangarei	..	..	5	10	5	15
Kaipara	..	..	22	40	..	40
Auckland	6	..	130	247	530	777
Thames	..	..	..	..	..	..
Tauranga	..	..	20	20	..	20
Gisborne	2	..	21	56	6	62
Napier	9	9	35	92	18	110
Wanganui	..	3	5	9	9	18
Foxton	..	..	9	10	..	10
Wellington	2	..	75	152	135	287
Picton	1	..	19	50	..	50
Blenheim	..	6	6	9	3	12
Nelson	1	..	59	20	20	40
Westport	2	8	8	20	..	20
Greymouth	1	2	9	15	..	15
Hokitika	..	..	1	88*	12*	100
Kaikoura	..	..	6	15	..	15
Lyttelton, Sumner, Akaroa, Southbridge, Kaiapoi, Styx, Rangiora, and New Brighton	4	19	118	184	..	184
Timaru	1	8	13	32	8	40
Oamaru and Moeraki ..	..	..	29	42	..	42
Dunedin and Port Chalmers ..	2	2	69	129	181	210
Invercargill	..	..	23	50	..	50
Bluff	4	..	53	115	..	115
Stewart Island	..	..	29	60	8	68
Chatham Islands	..	..	14	32	23	55
Totals	35	57	828	1,587	920	2,507

* Whitebait fishing.

Table showing the Various Kinds of Fish caught, and approximately the Total Quantities and Value of Fish landed, at the different Fishing Ports for the Year ended 31st March, 1918.

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

Name of Port.	Kinds of Fish caught.	Total Weight.	Total Value.
		Cwt.	£ s. d.
Russell	Mullet, schnapper, crayfish, kahawai, kingfish, garfish, tarakihi..	2,300	2,050 0 0
Hokianga	Mullet, schnapper, kahawai, flounder	Not supplied.	
Whangarei	Schnapper, mullet, hapuku, trevalli, kahawai, flounder ..	3,000	2,000 0 0
Kaipara	Mullet, schnapper, flounder	5,600	3,260 0 0
Auckland	Schnapper, mullet, flounder, crayfish, gurnard, trevalli, john-dory, kahawai, tarakihi, hapuku, rock-cod, butterfish, kingfish, barracouta, garfish	114,480	39,305 0 0
Tauranga	Schnapper, hapuku, mullet, trevalli, kahawai, garfish, flounder	Not supplied.	
Gisborne	Schnapper, tarakihi, gurnard, flounder, sole, crayfish..	4,470	5,224 0 0
Napier	Flounder, sole, schnapper, gurnard, blue cod, red cod, mullet, butterfish, hapuku, moki, trumpeter, ling, barracouta, kingfish, trevalli, warehou, crayfish	22,500	14,143 10 6
Wanganui	Schnapper, blue cod, hapuku, flounder, mullet, kahawai ..	230	617 13 4
Foxton	Flounder, mullet, schnapper, whitebait	Not supplied.	
Wellington	Hapuku, hake, schnapper, tarakihi, kahawai, trumpeter, blue cod, red cod, flounder, sole, warehou, butterfish, horse-mackerel	17,200	15,300 0 0
Pictou	Hapuku, blue cod, herring, flounder, butterfish	2,000	1,700 0 0
Blenheim	Sole, tarakihi, red cod, ling, flounder, moki, warehou, herring, kahawai, schnapper, garfish, crayfish, hapuku, rock-cod, blue cod, butterfish, whitebait	700	800 0 0
Nelson	Blue cod, hapuku, flounder, gurnard, herring, kahawai, garfish, moki, crayfish	276½	281 0 0
Westport	Hapuku, schnapper, blue cod, kahawai, sole, herring, flounder, whitebait, crayfish (65 sacks crayfish)	981	1,648 0 0
Greymouth	Sole, groper, flounder, schnapper, skate, ling, herring, red cod, whitebait (1,000 pints whitebait)	128½	327 5 0
Hokitika	Whitebait, herring, flounder, kahawai	Whitebait 110½ Other fish 50	878 0 0 60 0 0
Kaikoura	Hapuku, trumpeter, moki, ling, blue cod, sole, flounder ..	4,000	4,200 0 0
Rangiora	Whitebait, flounder, herring	Whitebait 56½ Other fish 2	629 12 0 11 6 0
Kaipoi	Whitebait, flounder, kahawai	Whitebait 357½ Other fish 75	2,000 0 0 120 0 0
New Brighton ..	Whitebait	Not supplied.	
Southbridge	Flounder, herring, red cod	300	1,400 0 0
Lyttelton	Groper, ling, red cod, conger-eel, flounder, sole, trevalli, herring, garfish, butterfish, moki, eel, whitebait, shrimp	12,400	12,250 0 0
Akaroa	Groper, blue cod, trevalli, moki, butterfish, flounder, sole, crayfish, ling	2,280	1,892 0 0
Timaru	Groper, sole, flounder, brill, barracouta, kingfish, gurnard, ling, red cod	7,200	7,200 0 0
Oamaru	Groper, red cod, blue cod, moki, warehou, barracouta, ling ..	6,389	3,425 0 0
Moeraki	Groper, red cod, blue cod, moki, barracouta, ling (crayfish, 345 sacks, £140)	2,640	2,040 0 0
Dunedin and Port Chalmers	Groper, kingfish, ling, barracouta, blue cod, red cod, moki, trumpeter, bream, tarakihi, trevalli, mullet, garfish, elephantfish, kahawai, flounder, sole, brill	37,200	31,611 0 0
Invercargill	Blue cod, red cod, groper, flounder	660½	900 0 0
Bluff	Blue cod, red cod, groper, flounder, sole, moki, trevalli ..	5,911	8,571 0 0
Stewart Island ..	Blue cod, groper, butterfish, moki.. ..	5,389½	6,116 8 11
Chatham Islands ..	Blue cod, hapuku	5,954½	5,216 0 3
Totals		264,841½	175,176 16 0

Whaling.

Whaling-station.	Number of Whales taken.	Species.	Yield of Oil.	Quantity of Bone-dust or Fertilizer produced.	Total Value.
			Tons.		£ s. d.
Whangamumu... ..	52	Humpback	240	40 tons bonedust	5,040 0 0
Marlborough Sounds and Cook Strait	37	36 humpback 1 right whale	203	...	5,609 0 0
Kaikoura	9	6 humpback 3 right whale	60	1 ton whalebone	1,440 0 0 400 0 0
Totals	98	...	503	...	12,489 0 0

Oysters.

Locality.	Disposed of in Dominion.	Exported.	Total Number.	Total Value.		
	Sacks.	Sacks.	Sacks.	£	s.	d.
Foveaux Strait	24,420	720	25,140	12,548	0	0
<i>Rock-oysters.</i>						
Bay of Islands	4,109	...	...	...	...	...
Hauraki Gulf and Great Barrier ...	4,079	...	...	...	...	...
Kaipara	2,167	...	...	...	...	...
Hokianga	3	...	10,357	6,890	0	0
Total	...	...	...	19,438	0	0

Return showing the Total Quantity and Value of Fish Imported into and Exported from New Zealand during the Year ended 31st December, 1917.

FISH IMPORTED.

	Quantity.	Value.
Anchovies, salted (in bulk)	5 cwt.	£21
Oysters, fresh	Nil	Nil.
Other fish, fresh or frozen	13 cwt.	£29
Fish, preserved in tins	2,671,543 lb.	£103,815
Fish, smoked, dried, pickled, and salted	271 cwt.	£954

FISH EXPORTED.

	New Zealand Produce.		Not New Zealand Produce.	
	Quantity.	Value.	Quantity.	Value.
Anchovies, salted (in bulk)	Nil	Nil	Nil	£6
Oysters, fresh	30,900 doz.	£244	Nil	Nil.
Other fish, fresh or frozen	11,784 cwt.	£19,633	Nil	Nil.
Fish, preserved in tins	56,219 lb.	£3,980	172,853 lb.	£7,538
Fish, smoked, dried, pickled, and salted	84 cwt.	£205	3 cwt.	£37

The MARINE ENGINEER to the SECRETARY, MARINE DEPARTMENT.

SIR,—

Wellington, 28th May, 1918.

I have the honour to report as follows upon the various works dealt with during the year ended 31st March, 1918:—

Hokianga: Kohukohu Reclamation.—A plan and description were prepared in connection with the vesting of a portion of the reclamation in the Railway Department.

Bay of Islands: Paikia Wharf.—This wharf was completed last year, but recent heavy gales, coupled with an extraordinary high tide, have seriously damaged the structure, and extensive repairs will be required.

Ruakaka River.—A small sum has been expended in removing logs from this stream.

Whangateau Harbour.—Sundry reports and estimates have been supplied in connection with a proposed wharf at Ti Point.

Matakana River.—A report was prepared in connection with an extensive slip.

Kaipara: Kaihu Creek.—A report was prepared regarding an encroachment by this river in the vicinity of Dargaville.

Kaipara River.—Recommendations were made regarding a lighting system and characteristic for a beacon light in the river, also in connection with erosion near Helensville.

Great Barrier Island, Waiheke, &c.—Arrangements have been made to prevent injury to oyster-beds through the construction of roads along foreshores and otherwise.

Flat Rock Beacon.—In connection with the proposal to establish an automatic acetylene light on Flat Rock, off Kawau Island, a tender has been accepted for the manufacture of the iron surmount to carry the lantern, and the construction of the concrete pedestal is in hand. This latter work is proving very arduous and difficult. Very little time can be spent on the rock, as it is only workable in fine weather, while the finished work often suffers serious damage through heavy seas.

Maori Rock Beacon.—A survey has been made and estimates prepared in connection with the proposal to erect a pole beacon on this rock, which is in the vicinity of Kawau Island.

Wade River.—Sundry reports and estimates have been supplied in connection with improvements at the turning-basin.

Tiritiri Lighthouse.—Steps are being taken to proceed with the erection of the two cottages for which materials were obtained some time ago.

Auckland: D'Urville Rock Beacon.—Arrangements are being made to erect a pole beacon on this rock to replace one which has been destroyed.

Auckland: Albert Park Observatory.—Some minor repairs and improvements have been carried out.

Cuvier Island Lighthouse.—The fog-signal apparatus has been overhauled, and a new crane is being obtained for use in connection with the landing.

Waitakaruru.—Some snags have been removed from the fairway, and a leading-light and breastwork have been erected.

Thames.—A report was prepared in connection with the proposed extension of the limits of the Port of Thames.

Tauranga.—At the request of the Harbour Board the Department has erected a dolphin light at The Narrows. Sundry reports and rough estimates have been prepared in connection with dredging proposals.

Maketu Harbour.—Copies of sundry plans and reports relating to the Tumu Outfall have been supplied for the information of those concerned.

Whakatane.—A plan and description of the proposed harbour-limits were supplied, also sundry reports in connection with the harbour-improvement works.

Waikato River.—In connection with the erection of the new bridge at Ngaruawahia suitable provision was made for lights to facilitate navigation. Reports and estimates were supplied in connection with repairs and additions to Port Waikato Wharf, also with regard to rocks and shoals at various places.

Gisborne.—A brief report was prepared in connection with the proposed harbour improvements.

Portland Island Lighthouse.—A revolving cowl similar to those supplied to other lighthouses has been provided for the purpose of improving the ventilation of the tower.

Wairoa.—The marine survey of the Wairoa roadstead, mentioned in my last report, has been completed and notices issued. A report has been supplied in connection with damage sustained by the training-walls at the river-entrance.

Castle Point Lighthouse.—The roofs of the cottages, which had become very leaky, have been repaired.

Marakopa River.—Proposals, with estimates, have been submitted in connection with proposed leading-beacons at this place.

Mokau River.—Various matters have been attended to in connection with a large scheme of channel-improvement which will be carried out by the Mokau Harbour Board at an early date.

Wanganui.—Reports have been supplied in connection with foreshore accretions at Castlecliff and the closing of a road at the same place.

Waikanae River.—A report was prepared with reference to some erosion that has occurred near the mouth of the river.

Titahi Bay.—Rough estimates were supplied in connection with a proposal to make Titahi Bay the terminus of a Cook Strait ferry service.

Island Bay.—A proposal to construct a fish-landing and cool storage was reported upon, with estimates.

Ohiro Bay.—The removal of shingle from beaches in this vicinity has been the subject of various reports.

Pencarrow Lighthouse.—Further trouble has been experienced with the fog-signal gear, and steps have been taken to overcome the difficulties.

Marine Yard, Pipitea.—A derrick crane for handling heavy stores has been purchased and is now being fitted up.

Admiralty Bay.—Reports have been supplied in connection with a proposed new wharf.

Jackson's Head Lighthouse.—The use of Pintsch gas was discontinued, and an acetylene-gas apparatus was temporarily installed until after the war, when the old apparatus will be removed.

Elmslie Bay, French Pass.—Plans, specifications, and estimates were prepared for a new wharf at this place.

D'Urville Island.—Reports and estimates were furnished in connection with a proposed wharf at Ohana Bay.

Stephen Island Lighthouse.—The landing-crane has been brought to Wellington for repairs, and arrangements are being made to raise the concrete pedestal slightly to place the crane above the reach of the waves.

Waikawa Bay (Current Basin).—A report was prepared in connection with repairs to the wharf.

Nelson Lighthouse.—Two rooms attached to the tower have been dismantled and the material sold.

Motueka.—Various soundings and observations are being made in connection with projected harbour improvements.

Karamea.—Numerous surveys and reports have been made regarding transfer of marine leases, erosion at Otumahana overflow, extension of training-wall, &c. Sundry minor improvements to the wharf and tramway are in hand.

Little Wanganui.—Minor repairs to the wharf have been carried out.

Cape Foulwind Lighthouse.—A ventilating-cowl similar to those at other lighthouses has been manufactured and will be erected shortly.

Westport.—Inspections have been made and reports prepared in connection with sea-encroachment to leeward of the eastern breakwater and erosion at Orowaiti overflow.

Lake Kanieri.—A question of compensation arising out of the construction of a weir at the lake-outlet has been adjusted.

Hokitika.—A report and recommendation were submitted with regard to some damage sustained by the south training-wall.

Okarito.—The question of repairs to protective works at this place was investigated and reported upon.

Okuru.—Steps have been taken to repair the jetty, which had been damaged by floods.

Kaikoura.—A recommendation was made regarding the control of the foreshore opposite the town.

Pigeon Bay.—A report was prepared in connection with the removal of sand from the beach at Holmes Bay.

Akaroa Lighthouse.—A ventilating-cowl has been manufactured similar to those which have been found necessary elsewhere.

Moeraki Lighthouse.—A similar cowl is being provided for this lighthouse.

Dog Island Lighthouse.—Complete plans have been prepared for the strengthening of the lighthouse-tower, and an officer will proceed to the island within the next few days to take charge of the work.

Puyssegur Point Lighthouse.—All materials for the two new cottages have been transported to the site, and the erection of the buildings is well in hand. Considerable difficulties have been experienced in this matter owing to the inaccessibility of the place.

General.—Little new work has been put in hand during the year, in view of the scarcity and high cost of material and labour. The same causes have operated in the case of local authorities' and private works. The proposals submitted for approval have been dealt with as indicated below.

Wharves.—Hokianga: Te Tio Wharf, Mangamuka Creek, approved for temporary use; Orira River, two private wharves approved. Tutukaka: Site for wharf approved. Kaipara: Pukehuia Cream-wharf, Northern Wairoa River, approved. Auckland: East Tamaki, private jetty approved; North Head Defence Wharf, plans recorded; Lincoln Creek Bridge landing approved. Port Charles: Wharf approved subject to amendments. Waihou River: Ngahina Wharf extensions approved. Waikato River: Mercer, Waikato Shipping Company's wharf approved. Whakatane: Freezing-works wharf approved; Whale Island loading-jetty under consideration. Raglan: Protective works at Launch Wharf approved. Island Bay: Diving-pier approved. Pelorus Sound: Te Rawa, private wharf approved. Westport: Crane Wharf extension approved. Chatham Islands: Waitangi West, jetty and freezing-works site approved. Te Waewae Bay: Mussel Beach, wharf and breakwater approved.

Reclamations.—Whangarei: Reclamation for freezing-works site approved, subject to legislation being passed.

Boat-sheds, Skids, &c.—Picton: Boat-slip approved. Kaikoura: Boat-slip approved.

Foreshore Leases.—Auckland: Kohimarama, special arrangements made *re* use of Flying School lease. Pelorus Sound: Bulwer, woolshed-site approved. Avon River: Application for large area for saltworks referred to Lyttelton Harbour Board.

Bridges.—Whangarei: Guiding-wings at opening span of railway-bridge approved. Kaipara: Site for bridge over Northern Wairoa River at Dargaville approved, subject to conditions *re* opening span. Auckland: Wairau Creek Footbridge, Takapuna, approved.

Harbour-works.—Kaipara: Breastwork to increase depth of water at Helensville Wharf approved. Gisborne: Deflecting groynes approved.

Miscellaneous.—Doubtless Bay: Whakautu River, tide-gate approved; Rangiawhia Peninsula, removal of stone from foreshore approved conditionally. Whangaroa: Wairakau Stream, timber-booms approved. Whangarei: Suggestions made *re* Harbour Board Vesting Bill; Waihoihoi River, timber-booms approved. Kaipara: Dargaville sewage outfall site recommended. Great Barrier Island: Tryphena, foreshore road approved. Orewa River: Telegraph-line crossing approved. Auckland: Little Shoal Bay, sea-wall approved; Karamuramu Island, boundaries of leases defined. Waihou River: Kopu Ferry approved. Tauranga: Removal of road-metal from Signal Hill approved. Wanganui: Castlecliff, closing of Wharf Street approved. Wellington: Sinclair Head, removal of stones from foreshore approved; Island Bay, removal of shingle approved, subject to limitations. West Haven: Private tramway-crossing arranged for. Westport: Dredge "Eileen Ward," navigating bridge approved. Lake Ellesmere: Netting limits approved, and plan and schedule prepared defining same. Timaru: Oyster-bed, exclusive license approved. Green Island, &c.: Removal of guano and erection of jetties at Green Island, White Island, and Taiari Island approved. Titiroa Stream: Lock-gate approved. Invercargill: Removal of shells from foreshore near Clifton Railway-station approved.

The Secretary, Marine Department.

R. W. HOLMES,
Marine Engineer.

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

SIR,—

Head Office, Customhouse Buildings, Wellington, 5th August, 1918.

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, 1918.

The work of the Department has made satisfactory progress during the year. All districts have been inspected as far as possible, but at the end of the year there was still much inspecting to do. The war conditions have made for the introduction of labour-saving machinery, and whenever it could be procured it has been installed. Flax-milling has been notably busy during the year, and the freezing-works have kept abreast of all requirements in their new storage accommodation and added products. A great many inventors out of pure patriotism have submitted to the Department during the year suggestions for the solution of the submarine problem. Several of them were of a very ingenious nature. It has been interesting to read through their specifications and to peruse their plans. The question of better subdivision of ships has also been raised. Several of the suggestions have been well thought out. A good deal of time has been spent by myself and other Surveyors in work connected with Admiralty requirements and with troopship equipment. Whenever the services of Surveyors have been asked for to cope with such work they were readily given up to meet the emergency. A very special survey was made of the late gunboat "Torch," which was given up by the Admiralty to the New Zealand Government. Two Surveyors of Ships were engaged on this work for several weeks, and a rough plan was made out, with suggested alterations to make her suitable for lighthouse work to replace the s.s. "Hinemoa." She is of steel construction, and is sheathed with wood under water and for some feet above the usual draught-level.

An officer has been placed in the North Auckland district during the year, and his advent there is much appreciated by steam-users all over that large and scattered district. He has been stationed at Whangarei as a centre.

I had the pleasure of visiting several of the districts during the year, and met a great many engineers, shipowners, and steam-users on my way. The machinery installed and the provision made for a great extension of the plant at a dried-milk factory near Hamilton which I visited was most interesting and instructive, and showed clearly the possibilities of scientific and up-to-date methods. The dairying industry has an unlimited future before it. Great credit is due to those who have acted as pioneers in such an industry, for in the initial stages they risked much to perfect these new methods of milk-treatment. My Inspectors at Hamilton have gladly given their practical assistance when asked regarding suitable materials in connection with some of these new factory installations in their district.

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

I can bear testimony to the zeal and to the work done by all the staff, very often during very trying conditions, in all districts.

Annual Survey of Steamships and Auxiliary-powered Vessels.

The survey of all vessels is nearly up to date. The piecemeal surveys to meet the requirements of shipowners have been acceded to as far as possible, but it has been found on occasions impossible to comply in all cases. Several vessels have been recommissioned and made suitable for sea service. This has added to the work of supervision considerably. Several coal-hulks are amongst this number; one in Lyttelton is now being fitted up as a steamship, and she is having the machinery which has been salvaged from a stranded steamer fitted on board. All the several details and plans were agreed to with some modification, and the discussions have been of an interesting and satisfactory nature throughout. In some cases it was difficult to get the required scantlings, and this difficulty had to be got over and the strengths maintained by other means.

The total number of surveys of steamships and of auxiliary-powered vessels was 697.

Two vessels were built in the Dominion during the year. One is a steamer and is named "Tiroa"; the other is the "Koau," an oil-engine-propelled vessel. Particulars of these two vessels are given below. Plans and specifications have been submitted for three other vessels, and two of these vessels have been completed since the end of the financial year. The third vessel is to be of considerable size for a New-Zealand-built vessel. She will be constructed of the best of New Zealand and Australian timbers, and will be of 700 to 800 tons. The following are the particulars of the s.s. "Tiroa" and the o.e.v. "Koau":—

S.S. "Tiroa."—This vessel is employed in the cargo trade within the Gisborne extended river limits. Her length is 111·2 ft., breadth 23·3 ft., depth 9 ft., and gross tonnage 184 and register tonnage 93. The hull is diagonally built, principally of kauri, and is sheathed with totara. The propelling-engines have two cylinders, 13 in. and 28 in. diameters, with a stroke of 18 in. They were made locally. The boiler is of the multitubular marine type, and was imported.

O.E.V. "Koau."—This vessel is employed in the Napier extended river limits, and has insulated spaces for the carriage of frozen meat. The hull has two diagonal skins and one of longitudinal planking. The planking, beams, keelsons, floors, and stringers are of kauri, and the keel and rudder-stock of hardwood. The dimensions of the vessel are—Length, 87·7 ft.; beam, 22 ft.; depth, 9·5 ft. The gross and register tonnage are 144 and 77 respectively. The vessel is propelled by two sets of oil-engines of a total brake horse-power of 170.

Fifty-three vessels had new propeller-shafts fitted, fourteen had new propellers, one had a new propeller-boss, and five new propeller-blades. Nineteen vessels had new engines fitted, and two had new main boilers. A new donkey-boiler was fitted in one vessel, and the pressure of the donkey-boiler was reduced in another. The pressure of one vessel's main boiler was also reduced. The main steam-pipes were renewed in two vessels, and the crank-shafts were renewed in six vessels. Four sailing-vessels and one steam-vessel were converted into oil-engine vessels.

Of the vessels surveyed in New Zealand for the first time only two are seagoing vessels. They are the s.s. "Kakapo" and the s.s. "Simplon," and both these steamers have had considerable service elsewhere. A considerable number of the vessels surveyed have been extensively repaired, and particulars of the repairs made to some of the vessels are given below:—

S.S. "Elsie."—The following renewals were made to the hull of this vessel: The keel, two sister keelsons, 12 ft. of keelson under the boiler, garboard strakes, all worm-eaten planks, and the forward bulkhead. The bunkers were also renewed throughout. The boiler and engines were taken out of the vessel for overhaul. A sheathing-patch and compensating-ring were renewed, and several leaky joints caulked before the boiler was placed on board. The H.P. cylinder of the engine was bored out, and new piston-rings were fitted. A new door was fitted to the surface condenser.

S.S. "Freerader."—The hull of this vessel was practically renewed. Most of the iron frames were fitted with backing-pieces. The hull planking was renewed with kauri. About one-third of the iron decking was renewed. A new stem was fitted, and new ceilings in the hold. A new coaming and new hatches were fitted at the after hatchway, and the hold-pillars were renewed. The vessel has two rudders, and both of these were renewed. New accommodation and conveniences were fitted up for the crew. The engines received a general overhaul. The stern-wheel was reconstructed, and all the feathering gear and floats were renewed. The boiler was fitted with four new stay-tubes, and afterwards tested by hydraulic pressure.

S.S. "John Townley."—A new main boiler has been placed on board this vessel. A new boiler-casing, new funnel, new boiler-stool, and stokehold plates have been fitted. A new blow-down cock on the ship's side, two new bilge-pipes, and a new main steam-pipe were also fitted. The brass liners on the tail shafts, the lignum-vitæ bushes in both brackets, and the port propeller-boss were renewed.

O.E.V. "Kohi."—The hull of this vessel has been strengthened by fitting four 1 in. bolts through the keel to the deck, and also by fitting six pairs of braces of 5 in. by 5 in. kauri, about 10 ft. long, from the side of the vessel to the deck. Two liners were fitted to the starboard propeller-shaft. Both propelling-engines were stripped right down to the bed-plate and thoroughly overhauled.

S.S. "Moana."—This vessel was laid up for extensive repairs for two months. Numerous renewals were made to the structural parts of the hull, such as floor-plates, intercostals, reverse frames, stringers, and web frames. A great deal of plating was renewed in the bunkers, deck-plating, bulkheads, casings, &c. Hatchways and deck-beams were also repaired. The boilers received a thorough overhaul, and in five combustion-chambers some of the lower plates were renewed. The plain tubes were renewed in both ends of four furnaces, and thirty-eight plain tubes were renewed in another furnace; 162 stay-tubes, 226 screwed stays in the combustion-chambers, and 148 rivets were also renewed. Three patches were fitted on various plates. A new bottom was fitted in the starboard furnace of the donkey-boiler, and a small patch round the bottom stay. The whole of the crank-shaft was lifted out, bolted together, and trued up in the lathe. All shafting was lined up. All main bearings were lifted out and remetalled, and bored out with boring-bar in place. All eccentric sheaves were trued up in the lathe and the straps remetalled. A new chamber was fitted to the H.P. piston-valve casing, and new rings to the piston-valve.

Dredge "Paritutu."—The following repairs were made to the machinery. Both H.P. and M.P. piston-rods and both M.P. slide-valve spindles were cut, and new bodies were welded on. New rings were fitted in both H.P. piston-valves. A new valve was fitted in the port bilge-pump. The cylinder of the starboard circulating-pump was bored out and new piston-rings were fitted. A new bend was put in the auxiliary steam-pipes. The steering-gear chains were annealed and defective portions renewed. All dredging gear, winches, and windlass were thoroughly overhauled. On the hull two plates at the forward end of the bucket-well and several rivets were renewed. Two sheathing-plates, each 2 ft. 8 in. by 9 in. by $\frac{5}{16}$ in., were fitted to the bottom of the hopper. The after cross-beam at the top of the hopper was renewed.

S.S. "Pelican."—The boiler of this vessel was repaired by renewing the bottom of the port combustion-chamber and a portion of the bottom plate in the back end at the same locality. The boiler was tested by hydraulic pressure to one and a half times the working-pressure and found quite tight. New stern-bushes were fitted to both tail-shafts. The lifeboat was refastened at the stern and at the gunwale, and a new fire-hose, long enough to reach any part of the vessel, was placed on board.

S.S. "Pilot."—This vessel received a good overhaul. The keelson under the boiler, extending from the engine-bed to the forward bulkhead, was renewed. On the starboard side eighteen frames, 15 ft. of deck stringer, and 18 ft. of covering-board were renewed; on the port side twelve frames, 15 ft. of deck stringer, 10 ft. of covering-board, and 14 ft. of bilge-stringer were renewed. New ceiling was fitted in the bunkers and under the boiler. In the hull amidships 56 ft. of planking was renewed; also two deck-beams, two wooden knees, and two iron knees. New carlings were fitted round the engine-room and stokehold, and ten ledge-pieces also fitted. The hull was refastened and caulked where necessary. A new deck-house was erected. The boiler was lifted out of the vessel, the landings on the bottom were caulked, and a patch was fitted at the mouth of the furnace. New timber was fitted under the boiler-seats, and the boiler was replaced with the firing end in the engine-room instead of forward as formerly. A new funnel was also installed.

S.S. "Te Anau."—No. 3 hatch coaming has been raised to a height of 3 ft. 6 in. to form a girder, and connected to the engine-casing. Continuous girders have been fitted from the after end of No. 3 hatch to the transom at a distance of 7 ft. on each side of the centre-line. Fourteen additional pillars have been fitted on the girders, and the old pillars, which were pre-

viously in one row in the centre, were fitted to the girders on the port and starboard sides. The rudder was lifted and the top pintle was welded up to the original size. A $\frac{1}{2}$ in. plate was fitted under the bottom pintle, and two stopper-plates were fitted to the rudder. The main engines were overhauled, and the main boilers repaired in several places. Repairs were also made to the steering-gear engine. The main and auxiliary steam-pipes were tested by hydraulic pressure to double the working-pressure. The tail-shaft was condemned and a new one fitted.

S.S. "*Tui*."—Almost the whole of the starboard side of the hull and about one-third of the port side, from the keel to the water-line, was renewed. The worm-eaten portion of the sternpost was cut out, and a new piece was let in and firmly bolted. A new piece was also let into the stem. A new rudder complete was fitted. The hull was sheathed with totara from the keel to the water-line. Most of the steering-chains were renewed. The engines were taken up on deck and thoroughly examined. Ten tubes in the boiler were renewed. The spare tail-shaft was fitted, and a new tail-shaft was made and placed on board. The stern-bush was renewed.

S.S. "*Waiotahi*."—5 ft. of sheathing over the keel-plate aft and 8 ft. of slipper aft were renewed; about 4 ft. of fourteen frames in the after hold was also renewed. The boiler was lifted and the cradle was shifted forward one floor, and new stop and wedge pieces were fitted to take the weight of the after end of the boiler. Eight strap-plates were riveted to the floor-plates and passed up through the bed-plate of the engine. Extra bolts were fitted in the reverse bars and floors under the engines. New bushes were fitted on the rudder-pintles, and several pieces of the steering-chains were renewed. Of the propelling machinery, both H.P. piston-rods and piston-valves were renewed. Both circulating-pumps were bored out, and the buckets were altered to suit rope-packing. The starboard air-pump and the water end of the general donkey were also bored out. The patch on the bottom of the main boiler was caulked all round, and one rivet in the patch was renewed. A new internal blow-down pipe was fitted, and a new seat in the main stop-valve. The spare tail-shafts were fitted, and the bushes in the brackets and lignum-vitæ in the stern-tubes were renewed.

S.S. "*Waireka*."—About 13 ft. of plating on the port side and about 42 ft. on the starboard side were renewed on the hull amidships. All dents in the hull-plating were straightened, and all loose and broken rivets were renewed. The bottom end of the sheathing-plate on the rudder were renewed.

Survey of Ships for Seaworthiness.

The number of special surveys of ships for seaworthiness totals twenty-eight. Most of the accidents were due to collisions, either with other vessels or with wharves or other objects. Fire and boiler-deterioration each accounted for five surveys. Other causes of accidents were due to grounding, breakages in engine-room, and loss of propeller-blades. One vessel only broke her tail-shaft.

Government Vessels.

The number of Government-owned vessels surveyed during the year totals seventeen. They are as follows: S.S. "*Amokura*," s.s. "*Ben Lomond*," o.e.v. "*Defence Launch A*," s.s. "*Earnslaw*," s.s. "*Hauraki*," s.s. "*Hinemoa*," o.e.v. "*Huia*," o.e.v. "*Irin*," s.s. "*Janie Seddon*," o.e.v. "*Mororo*," p.s. "*Mountaineer*," o.e.v. "*Patiti*," o.e.v. "*P.W.D.*," o.e.v. "*Reremoana*," s.s. "*Tawera*," and s.s. "*Tutanekai*."

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

There were forty-nine vessels surveyed during the year for the first time. With the exception of two all these vessels ply within restricted limits.

Sailing-vessels.

There were seventy-nine sailing-vessels surveyed during the year, and of this number four had not been surveyed in New Zealand before. The repairs and alterations of any consequence which were made to five of these vessels are as follows:—

Scow "*Cathkit*."—This vessel has been reconstructed from a hold scow to a deck scow. The hatchway has been removed, heavy ironbark deck-beams fitted, and a new deck laid. Heavy wooden stiffeners were fitted to the side of the centre-board casing.

Schooner "*Hero*."—The donkey-boiler of this vessel was repaired. The firebox was taken out, and the bottom portion in line with the firebars was cut out and a new portion was fitted. The firebox was replaced, and all new rivets put into the fire-hole ring and the bottom circumferential seam. Four vertical stays in the crowns were renewed, and two sludge-holes were compensated. The try-cocks and water-gauge mountings were renewed, and the steam-pressure gauge was tested. The boiler was tested by hydraulic pressure to one and a half times the working-pressure. A new mainmast was fitted to the vessel, and all rigging was overhauled.

Barquentine "*Ilma*."—Some of the outside plating of this vessel's hull was sheathed, and two new plates were fitted on the rudder. The plating on the lower portion of the collision bulkhead was renewed. Repairs were also made to the centre keelson, the ordinary frames and reverse frames, deck-beams, and stringers. Seven new diagonal tie-plates were fitted under the deckhouse, and stringer plates 103 ft. long and tie-plates were fitted on each side of the deck. A considerable amount of sheathing was put on the bulwarks, and the bulwark stanchions were repaired. Two new hawse-pipes were fitted. The steering gear, cables and anchors, windlass, and cable-compressors were overhauled. The vessel was fitted with new rigging throughout. The fore, main, and mizen lower masts were taken out and repaired and resteped. New fore, main, and mizen topmasts, new main gaff, new foreyard, fore upper and lower topsail-yards were fitted, and a full suit of sails placed on board. The jibboom was shortened by 8 ft. One hand force-pump and 100 ft. of $2\frac{1}{2}$ in. canvas fire-hose, with connections and nozzles, were placed on board. The boats were overhauled, and the boat-tanks tested.

Barque "Rothesay Bay."—The hull of this vessel was thoroughly overhauled, chipped, and painted inside and out. On the hull outside four plates were renewed on each side of the bow; one plate on each side aft below the water-line was renewed, and a plate in the same locality but above the water-line was sheathed; and about 50 ft. of plating was renewed on other parts of the hull-plating. Inside the hull the first two 'tween-deck beams abaft the mainmast were partially renewed; five frames on both sides of the vessel were reinforced with new reverse angle-bars, 3 in. by 3 in. by $\frac{1}{2}$ in., approximately 8 ft. long each; four frames at floors amidships were reinforced with reverse angle-bars, 3 in. by 3 in. by $\frac{1}{2}$ in.—two were each 20 ft. long, one was 9 ft. long, and another 4 ft. 6 in. long; in the fore peak one frame on each side was renewed for 6 ft. from the floor, and three others on each side were reinforced; the keelson was strengthened for 6 ft. 6 in. from the bulkhead by 4 in. by 4 in. by $\frac{1}{2}$ in. angle-bars; four vertical stiffening-angles on the bulkhead were renewed; six hold-pillars were refastened. A new footstep and a new middle pintle for the rudder were fitted; the rudder-blade was repaired, and widened 4 in. with plates and wood filling. This was the first survey made of this vessel in the Dominion.

Schooner "Wanderer."—Fittings for the carrying of cattle were erected on the deck of this vessel. A ballast-tank was fitted and tested with water-pressure. The vessel has been newly re-rigged and new masts have been fitted, and in this respect she is practically a new vessel throughout.

Explosive Permits.

There were ninety-seven permits issued at the Port of Wellington for the carriage of explosives on ships.

Marine Engineers' Examinations.

Examinations for certificates of competency were held at the following places throughout the Dominion, viz.: Auckland,* Wellington,* Christchurch,* Dunedin,* Invercargill,* Hamilton,* Greymouth,* Timaru,* Napier,* Nelson,* Tauranga, Queenstown, Hokiangā,* Russell, Rawene, Whitianga, Whangaroa, Awanui,* Whangarei,* Waihi, Whakatane, Thames, Half-moon Bay, Raglan, Picton,* Te Kopuru,* Wanganui,* and Westport.

The total number of applicants who sat for examination amounted to 269; of this number 233 passed their examination successfully and 36 failed.

Examinations were held for the following grades during the year: First-class marine engineer, second-class marine engineer, third-class marine engineer, river engineer for steam-vessels, marine engine-driver, first-class marine engineer for auxiliary-powered vessels, second-class marine engineer for auxiliary-powered vessels, and river engineer for auxiliary-powered vessels.

During the year a great many new examination-papers were worked out at the Head Office and sent out to District Offices. These questions cover a lot of new ground, and are up-to-date and similar to those in use in Great Britain. A marine engineer must now have a wide range of knowledge in naval architecture, steam boiler and engine construction, freezing, electric lighting, hydraulics, pumping appliances, fire-extinguishing apparatus, steam steering, and other appliances too numerous to mention. In fact, quite 75 per cent. of the value of the ship comes under his supervision, and the successful and economical running of a ship depends more on the engineer every day. How well the marine engineer has risen to the occasion during the war, and numbers of New Zealand trained and educated engineers have risen to places of great trust both in the fleet and its numerous adjuncts.

Examinations of Land Engineers and Land Engine-drivers.

Examinations were held at all the principal centres throughout the Dominion. Special examinations were also held at many places to suit the convenience of various applicants. The full list of places where examinations were held is as follows: Auckland,* Bannockburn, Blenheim,* Carterton, Christchurch,* Cromwell, Dunedin,* Greymouth,* Hamilton,* Hawera,* Inglewood,* Invercargill,* Kaponga, Karamea, Kohukohu, Levin, Mangonui, Masterton, Napier,* Nelson,* New Plymouth,* Oamaru, Opatiki, Opouriao, Palmerston North,* Papatowai, Picton, Puponga, Stratford,* Thames,* Timaru,* Waihi, Waipukurau, Wairoa, Wanganui,* Wellington,* Westport, and Whangarei.*

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

Reciprocal certificates were issued to applicants from other States as follows: England, 1; New South Wales, 1; Transvaal, 1; Victoria, 5. The total who sat for these examinations were 399; of this number 72 failed.

Examinations of Electric-tram Drivers.

Examinations for this certificate were held at Auckland,* Christchurch,* Dunedin,* Invercargill,* Napier,* New Plymouth,* Wanganui,* and Wellington.* The number who sat for examination totalled 152; of this number 13 failed.

A great many new examination questions were completed for the first-class engine-driver's examination in the Head Office, and at each periodical examination throughout the year new papers were set. These papers are more difficult, and are practical questions and useful for such men in their daily duties.

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, and the Electrical Engineer of the Public Works Department, with Mr. J. G. Macpherson as Secretary, sat in Wellington on eight days to issue certificates to candidates, and for other business with which the Board deals.

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

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

These appliances have increased greatly again during the year, and quite a number of the oil-engines have been locally manufactured. The total number of inspections made amount to 14,154, being an increase of 1,749 inspections this year. At the end of the year there were several hundreds of these inspections still overdue. I have not the staff to cope with these increases.

Fencing and Guarding Machinery.

There were 1,629 notices to guard machinery given during the year. There were several reported accidents with machinery during the year, some of them proving fatal. It is a difficult matter to provide for the guarding of all machinery in motion, and some judgment and care must at all times be exercised by the attendant. Suitable clothing should be worn, especially by women, who have been largely employed in factories to take the place of men since the war started. An account of these accidents is reported on in an appended return.

Boilers inspected.

During the year 7,034 boilers were inspected, or nearly a hundred more than last year. There were 948 defects discovered, and of this number 14 were very dangerous; 587 notices were issued to repair boilers.

No difficulty has been experienced in getting owners to make the necessary repairs to their boiler plants, which shows that they do not object to the advice of practical men. As a matter of fact they are glad to see our officers each year to get advice on many points.

All dairy-factory boilers have, so far as was possible, been inspected in the off season. The seasons seem to lengthen and the number of factories to be inspected increase each year, and it is therefore difficult to suit all owners.

New Boilers inspected.

The new boilers inspected have been of various sizes. Boilermakers are finding it increasingly difficult to work to their standardized drawings because they have so little choice in the thicknesses of plates for the shells of boilers. In some cases it has been found necessary to use thinner plates for boiler-shells than would ordinarily have been used, and in order to obtain the required working-pressure for such plates a higher class of longitudinal seam has been fitted. In endeavouring to increase the strength of the joint designers have proposed a wider pitch of the rivets, in some cases wider than is considered prudent. Too wide a pitch is not conducive to good caulking; it allows the plate to spring between the rivets. The necessity for stronger joints has brought about a decrease in the number of lap joints for longitudinal seams. The extra expense involved in the making of a double butt joint is more than compensated for by its superiority over the lap joint. Whilst necessity has compelled a closer attention to the stresses in the cylindrical shell of the boiler, it is to be regretted that the same study is not made of those parts of the boiler which require to be stayed. The ends of a boiler are often unnecessarily weakened through the stays being irregularly distributed. Stays should be arranged in squares or nearly so, and they should not, without a very good reason, be placed closer to the edges of the plates than the distance between them. The competition between local and outside firms will probably become very keen after the war, and the electric motor must displace the steam-engine in some instances. It is therefore imperative that material should not be wasted. The best boiler always has some excess material, but it is placed at the parts subject to the greatest deterioration.

No reports have been received regarding bad workmanship in the new boilers. Our New-Zealand-made boilers are excellent in this respect. When the hydraulic test was being applied to an imported boiler it was noticed that one of the ends, which was a dished one, was bulging. An examination showed that the end plate was considerably under the specified thickness as shown on the drawing. Further investigation led to the discovery of a similar error in some other boilers which were being installed at the same time. The ends have now been suitably strengthened.

During the year 150 new boilers were inspected: of this number 88 were made in the Dominion and 62 were imported.

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 North	5	52	3	44	8	96
Auckland	19	162½	10	400	29	562½
Auckland South	2	18	15	206	17	224
Canterbury	15	37½	2	5	17	42½
Hawke's Bay	5	29	3	15	8	44
Nelson	1	4	...	...	1	4
Nelson South	1	14	...	...	1	14
Otago	9	62½	6	15	15	77½
Southland	3	11	4	23½	7	34½
Taranaki	9	179½	5	17½	14	197
Wellington North	8	36	10	278½	18	314½
Wellington	8	184½	4	10½	12	195
Westland	3	17	...	...	3	17
Totals	88	807½	62	1,015	150	1,822½

Districts and Inspectors.

Several changes have taken place with regard to Inspectors during the year. Alexander Bethune, Senior Inspector of Machinery at Christchurch, retired on superannuation. Mr. Bethune was a very courteous and popular officer, and had gained the esteem of the owners of shipping and of all the engineers and steam-users in his district. Mr. Hood was promoted and transferred from the Nelson District to fill Mr. Bethune's position at Christchurch. Mr. Grant was transferred from Invercargill to fill Mr. Hood's position at Nelson. Mr. Cooper, of Dunedin District, was transferred to fill Mr. Grant's place at Invercargill. Mr. Hendry and Mr. Johnston were appointed permanent Inspectors during the year, and Mr. Scott and Mr. Anderson temporary Inspectors to fill the places of Messrs. Knowles and Healy, who have gone to Great Britain to join the Navy.

A new district was made in the north of Auckland, with headquarters at Whangarei, and will be known as the Auckland North District. Mr. Bell, from the Auckland Office, was appointed to have charge of it.

I have, &c.,

ROBERT DUNCAN,

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

The Secretary, Marine and Inspection of Machinery Department.

APPENDIX.

RESOLUTIONS SUBMITTED TO AND CONSIDERED BY THE WATERSIDE ACCIDENTS COMMISSION.

1. THAT it is desirable that the inspection of all running-gear and all subsidiary appliances used for discharging and unloading cargo and coal from or into ships, hulks, store-ships, or lighters, or handling it on wharves, be regularly made by a qualified officer appointed by the Marine Department, and that the necessary amendments be made in the Harbours Act and Shipping and Seamen Act to give effect to such inspection.

2. That it is necessary and important that the present regulations of Harbour Boards be revised and consolidated.

3. That the inspection of all machinery (as distinguished from running-gear) used for loading and discharging ships, hulks, lighters, or store-ships, and for handling it on shore, be undertaken by an Inspector of Machinery appointed by the Marine Department, and that the necessary legislation be placed upon the statute-book to give effect to this recommendation.

4. That at the annual inspection of ships surveyed in New Zealand ship's winches shall be opened up, dismantled, inspected, and put in thoroughly good working-order.

5. That when coal is being discharged by baskets by means of a bull-rope on to a stage for loading directly into carts or other vehicles such stage shall be not less than 3 ft. 6 in. in width and shall be firm.

6. That when a T iron is used for working a bull-rope the T iron shall be *securely* bolted to the hatch-coaming. The T of such iron shall not be less than 3 in. in diameter.

7. That provision be made for shackling bridles to the ends of thwartship hatch-beams to enable such beams to be shipped and unshipped—this provision it being agreed will minimize accidents which may occur through men being required to "go out" on beams for shipping or unshipping the same.

8. Lanyards on fore-and-afters. That where fore and aft hatch-beams are used lanyards and bridles of sufficient length shall be always available and fit for use, and shall be used for the purpose of enabling such beams, or any of them, to be shipped and unshipped from deck.

9. That all timber fore and after hatch-beams be shod with iron to minimize wear and to ensure safety.

10. That on all lighters or launches engaged in roadstead harbours sufficient life-saving appliances, in good order, shall be carried at all times to enable all men on board to be furnished with same in case of peril. This regulation to apply to hulks when being moved from Port Chalmers to Dunedin.

11. That on all lighters and launches working in roadstead harbours a supply of blue lights shall be carried to enable signals to be made if necessary.

12. Hooks for coal-baskets: It being unanimously agreed that a new kind of hook for coal-baskets is necessary, this Commission recommends that a hook be provided to safeguard the possibility of accidents through baskets becoming unhooked.

13. That a table be issued by the Marine Department giving the recommended working-loads of chain, and the working-loads of wire, manila, and flax ropes, of lanyards on cargo-nets, and of hooks if possible.

14. That a regulation be provided requiring all ropemakers in New Zealand to guarantee by certificate attached thereto the breaking-strain of any rope manufactured for sale or sold, with a penalty in such regulation for any breach thereof.

15. Lighting: That all ships and hulks which load or unload cargo at night-time shall be required to use electric lights wherever the same can be obtained, and that where Harbour Boards

have electric current available they shall provide connecting-plugs where necessary, to which movable clusters can be attached; and generally that electric light shall always be provided where possible.

16. That this Commission recommends that Dr. Maclaurin be asked to draft regulations regarding the fumigation of vessels in order to minimize the risk of accident to those engaged in waterside work.

17. That when a vessel is in dry dock or on patent slip on no account shall the propeller be turned until after the foreman in charge has notified the engineer that men working on planks or in vessel are clear of the propeller.

18. That a gangway-plank to the dock-head of staging on ship's side shall in every case have a set of stanchions and a handrail attachable to one side of the plank.

19. That all discharge-pipes and latrines, &c., on board ship be locked while men are working on stages.

20. That in cases where boilers are being cleaned the stop-valve of the working-boiler shall in every case be locked down during such work.

21. That when cleaning boilers men shall not be required to work therein at a temperature of more than 100 degrees.

22. That a competent officer of the Marine Department shall decide the deck load to be carried on lighters and the position which such deck load shall occupy on lighters.

23. That an officer of the Marine Department shall be appointed to decide, when required so to do, what space below shall be left clear for men loading or discharging lighters.

24. That the Inspector of Gear shall decide, when any dispute arises, the number of gangs to work in a hold.

25. That a regulation be prepared providing that the Inspector of Gear shall in every case decide whether a man is unfit to work through the influence of liquor, and such Inspector shall be entitled to send such man away from the work if so satisfied, the union undertaking to support such a regulation.

The above twenty-five recommendations were unanimously agreed to by Captain McArthur for the shipping companies, J. Marchbanks for the Harbour Boards, and Messrs. J. Glover and Roberts for the Waterside Workers' Union.

22nd July, 1918.

THOMAS M. WILFORD.

26. That when cargo is being loaded or discharged from a ship's hold for a particular port or ports, the Inspector shall, in the event of a dispute arising, decide whether the method of such loading or discharging is safe for the working of the same.

27. That ships' bunkers while being worked shall be lighted with electric light wherever current is available.

CHAS. MCARTHUR.

J. MARCHBANKS.

L. GLOVER.

JAS. ROBERTS.

A. That when coal is being *discharged* from ships or hulks by means of trams, stout planks of uniform thickness and of a total width of 30 in. shall be provided and securely fixed alongside the tram-line; or, in the alternative, stout planks of uniform thickness and of a total width of 24 in., with stanchions and a life-line on side, shall be provided.

B. That on all ships registered in New Zealand, and in all hulks whether registered in New Zealand or not, all hatch landings on coamings or beams shall be not less than 2½ in. in width.

C. That in the selection of men to act as Inspectors of Gear (head), experience and fitness for the position shall be the tests for appointment.

D. Insanitary condition of ships' holds: That in any port where there is a Port Health Officer such officer shall, when complaint is made to him by men engaged in working in a hold that such hold is insanitary, order such steps to be taken as he may deem necessary to clean such hold, and the owners of the ship concerned shall be compelled to see that the course prescribed by him is carried out to his satisfaction. Where there is no Port Health Officer, then the Marine Department shall appoint some person to act in place of such Port Health Officer.

E. That the Inspector of Gear shall be allowed in his absolute discretion, and in the interest of the safety of those working below deck, to stop, for such time as he thinks necessary, "chipping" at any particular place he may think fit, so that orders being given may be clearly heard below.

F. That while men are working on the side of a ship in dock or on slip it shall be the duty of the owner of such dock or slip to have on deck a man whose duty it shall be to prevent ropes fastened to the deck being interfered with, or anything being thrown over the side so as to endanger those working on the side; and when men are working on the side of a ship on other occasions the same duty and obligation shall be imposed on the ship.

G. That the Inspector of Machinery draft a regulation with reference to the question of sludge-hole doors of steam boilers being taken off or left on while boilers are being cleaned.

H. That an extra man be employed in each stokehold during the time in port when men are engaged cleaning the inside of boilers or in tank-ends of furnaces to safeguard the possibility of accidents.

I. Where, in loading or unloading a ship, any obstruction prevents the bull-rope man being in full, clear, and continuous view of the winchmen, an extra man shall be employed who shall be in full view of both winchman and bull-rope man, and whose sole duty shall be to communicate signals from winchman to bull-rope man and *vice versa*.

The above recommendations were decided upon by me after hearing the opinions of the members of the Commission. They are not unanimous decisions.

22nd July, 1918.

THOMAS M. WILFORD.

RETURNS.

RETURN SHOWING THE TOTAL ORDINARY EXPENDITURE OF THE MARINE AND INSPECTION OF
MACHINERY DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1918.

Nature of Expenditure.	Details.	Totals.	Grand Totals.
	£ s. d.	£ s. d.	£ s. d.
Head Office: Salaries of staff	..	3,799 8 6	
Harbours:—			
Greymouth,—			
Salary of Engineer	..	480 0 0	
Hokianga,—			
Salaries of staff	529 2 9		
Repairing launch	15 9 3		
Stores and contingencies	89 11 5		
Kaipara,—		634 3 5	
Salaries of staff	734 14 1		
Lighting beacons in Helensville River	4 0 0		
Repairing launch	14 4 0		
Repairing and attending buoys	5 0 0		
Stores and contingencies	346 10 5		
Wellington,—		1,104 8 6	
Salary of storeman	..	220 0 0	
Picton,—			
Salary	260 0 0		
Stores and contingencies	27 0 1		
Ngunguru,—		287 0 1	
Salary	15 0 0		
Contingencies	0 4 0		
Napier,—		15 4 0	
Salary	..	20 0 0	
Marokopa,—			
Salary	10 0 0		
Timber and freights	9 7 0		
Tongaporutu,—		19 7 0	
Salary	25 0 0		
Stores and contingencies	15 8 3		
Mokau,—		40 8 3	
Salary	..	50 0 0	
Awakino,—			
Salary	20 0 0		
Stores and contingencies	2 14 0		
Waitapu,—		22 14 0	
Salary	25 0 0		
Stores and contingencies	82 10 0		
Puponga,—		107 10 0	
Stores and contingencies	..	15 2 0	
Collingwood,—			
Salary	70 0 0		
Removing snags, &c.	7 14 6		
Stores and contingencies	12 16 0		
Karamea,—		90 10 6	
Salary	145 0 0		
Shifting beacons, &c.	11 5 0		
Stores and contingencies	67 7 11		
Repairs to signal staff	12 12 0		
Little Wanganui,—		236 4 11	
Piloting vessels	13 0 0		
Stores	18 17 7		
Hokitika,—		31 17 7	
Salary	20 0 0		
Gas and contingencies	10 12 0		
Repairs	0 7 6		
Okarito,—		30 19 6	
Salary	100 0 0		
Stores and contingencies	15 1 6		
Okuru,—		115 1 6	
Salary	..	60 0 0	
Waikawa,—			
Salary	..	10 0 0	
Anglem Point,—			
Salary	25 0 0		
Stores and contingencies	12 5 2		
Supervision of beaches, Hauraki Gulf	..	37 5 2	
General contingencies	..	25 0 0	
Lighthouses:—		143 19 0	
Salaries	10,135 9 6		
Oil, stores, and contingencies	7,665 5 10		
Keepers' travelling-expenses	294 6 9		
New cylinders, Chicken Island	246 16 4		
New dwellings, Puysegur	2,934 6 5		
		21,276 4 10	
Meteorological Office:—			
Salaries	1,169 16 8		
Cleaning offices	25 18 0		
Extra clerical assistance	80 15 2		
Inspection of stations	35 10 5		
Postage, telegrams, rent of boxes	1,336 2 7		

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

Nature of Expenditure.	Details.	Totals.	Grand Totals.
	£ s. d.	£ s. d.	£ s. d.
Meteorological Office—<i>continued.</i>			
Printing and stationery	64 16 9		
Rent, office equipment, &c.	140 1 11		
Repairs to instrument, and purchase of	36 4 6		
Telephones	41 10 0		
Weather messages by wireless	100 0 0		
Contingencies	63 12 8		
		3,094 8 8	
Mercantile Marine Offices :—			
Salaries	6,610 5 7		
Cleaning offices	10 1 3		
Office equipment and rent	187 1 1		
Maintaining launch for Wellington Surveyors	35 4 9		
Telephones	121 3 8		
Travelling allowances and expenses	175 19 9		
Contingencies	4 7 1		
Extra clerical assistance	446 3 0		
		7,590 6 2	
Inspection of machinery and survey of ships :—			
Salaries	11,589 3 2		
Advertising, books, and periodicals	43 3 6		
Collection of inspection fees	150 0 0		
Rent, cleaning offices, &c.	102 14 2		
Telephones	128 14 4		
Travelling allowances and expenses	3,706 17 10		
Contingencies	64 3 5		
		15,784 16 5	
Protection of fish and oysters :—			
Salaries	1,756 1 11		
Benzine, oil, stores, &c.	412 11 5		
Casual labour	133 9 0		
Collection and distribution of brown-trout ova	14 5 3		
Hakataramea Salmon-hatchery	65 4 9		
Grant for maintenance of fish-hatchery at Portobello	500 0 0		
Picking and sale of oysters	5,654 9 11		
Planting oysters	212 16 1		
Stocking rivers with salmon	882 14 6		
Subsidy to Portobello Fish-hatchery for research work (£1 for £1)	10 0 0		
Travelling allowances and expenses	366 18 4		
Contingencies	654 14 6		
Bonuses and gratuities	40 8 0		
Compassionate allowance (Mrs. Anderton)	280 0 0		
		10,983 13 8	
Government steamers :—			
S.s. "Hinemoa"	9,998 6 6		
Training-ship "Amokura"	9,113 3 7		
Installation of wireless, Training-ship "Amokura"	675 0 0		
Steamer "Rama"	275 19 1		
		..	20,062 9 2
Miscellaneous services :—			
Administration of the Shipping and Seamen Act and inquiries into shipping casualties	408 16 3		
Waitapu leading-lights	82 10 0		
Carriage and freight	42 4 6		
Checking overcrowding on steamers	355 9 2		
Contribution to New Zealand Sailors' Room, England	26 17 0		
Piako River leading-lights	35 4 6		
Expenses connected with examinations	310 1 0		
Extra clerical assistance	1,209 19 2		
Fog-signals, cartridges, and maintenance	428 9 10		
Gas and fuel for offices	16 7 0		
Audit fees	150 0 0		
Office equipment	82 9 7		
Postage, telegrams, rent of boxes	866 8 5		
Preparation of tide-tables	550 0 0		
Printing and stationery	298 2 6		
Relief of distressed seamen	1 7 0		
Allowance to officer under Public Service Regulations	139 1 3		
Charts, books, &c.	80 4 10		
River-protection works, Waikanae	40 0 0		
Superannuation of R. C. Hunter, injured on "Tutanekai"	90 0 0		
Survey of unseaworthy ships	9 19 6		
Irrecoverable fees, A.E.V.	3 0 0		
Telephones	73 5 7		
Travelling allowances and expenses	24 18 2		
Contingencies	128 3 4		
Prosecutions under Shipping, Harbours, and Fisheries Acts	67 0 2		
War bonus to officers	1,988 16 7		
Remission of foreshore-rent	1 0 0		
Repairing shed, Grove Wharf	10 0 0		
Repairing wharf, Russell	105 14 7		
		7,623 9 11	
Credits	..	763 11 7	
			6,859 18 4
Grand total	..	..	93,248 1 2

RETURN SHOWING TOTAL COST OF MAINTENANCE OF THE NEW ZEALAND COASTAL LIGHTHOUSES DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1918.

Name of Lighthouse.	Salaries.	Oil consumed.		Stores and Contingencies.	Totals.
		Gallons.	Value.		
	£ s. d.		£ s. d.	£ s. d.	£ s. d.
Cape Maria van Dieman	412 2 1	713	53 9 6	160 3 7	625 15 2
Cape Brett	334 6 10	719	53 18 6	173 9 9	561 15 1
Moko Hinou	392 12 2	873	65 9 6	155 11 10	613 13 6
Tiritiri	289 18 5	646	48 9 0	96 1 5	434 8 10
Cuvier Island	365 8 1	699	52 8 6	148 2 10	565 19 5
East Cape	301 13 11	895	67 2 6	56 0 0	424 16 5
Portland Island	396 11 10	701	52 11 6	128 16 1	577 19 5
Castlepoint	450 0 0	599	44 18 6	(a)195 4 6	690 3 0
Cape Palliser	312 18 4	544	40 16 0	47 7 3	401 1 7
Pencarrow Head	222 10 0	662	49 13 0	(b)186 2 4	458 5 4
Cape Egmont	296 12 6	755	56 12 6	95 1 11	448 6 11
Manukau Head	254 4 8	911	68 6 6	(c)121 10 8	444 1 10
Kaipara Head	283 7 4	553*	41 9 6	45 3 0	369 19 10
Brothers	389 14 7	596	44 14 0	301 14 7	736 3 2
French Pass	157 3 4	181	13 13 6	18 13 3	189 10 1
Stephens Island	427 8 5	755	54 12 6	97 13 11	579 14 10
Tory Channel	100 0 0	167*	12 10 6	0 7 3	112 17 9
Cape Campbell	279 8 3	662	63 13 0	62 3 10	405 5 1
Godley Head	249 5 9	821	61 11 6	95 5 7	406 2 10
Akaroa Head	233 7 5	539	40 8 6	(d)218 7 3	492 3 2
Jack's Point	183 6 8	326	24 9 0	7 12 1	215 7 9
Moeraki	299 7 6	638	47 17 0	(e)206 0 10	553 5 4
Taiaroa Head	295 15 4	592*	44 8 0	79 7 8	419 11 0
Cape Saunders	299 13 4	633	47 9 6	108 13 3	455 16 1
Nugget Point	397 12 8	756	56 14 0	70 6 9	524 13 5
Waipapapa Point	303 18 4	636	47 14 0	81 12 8	433 5 0
Dog Island	334 15 10	714*	53 11 0	67 8 1	455 14 11
Centre Island	424 12 5	732	54 18 0	87 15 5	567 5 10
Puyssegur Point	346 1 7	771	57 16 6	(f)285 6 11	689 5 0
Cape Foulwind	291 5 0	815	61 2 6	(g)212 11 4	564 18 10
Kahurangi Point	377 8 7	743	55 14 6	136 4 9	569 7 10
Farewell Spit	422 1 4	729	54 13 6	144 5 0	620 19 10
Somes Island	175 8 3	870*	65 5 0	219 18 8	460 11 11
Hokitika	20 0 0	Gas	10 3 0	0 16 6	39 19 6
Totals	10,320 0 9	..	1,668 4 0	4,120 0 9	16,108 5 6

* Paraffin oil.

(a) Includes £26 3s. 4d. for repairs.
(d) Includes £106 15s. for revolving cowl.
(g) Includes £107 for revolving cowl.

(b) Includes £9 12s. for grazing horse.
(e) Includes £108 5s. for revolving cowl.

(c) Includes £12 for repairs to road.
(f) Includes £25 for new horse.

RETURN SHOWING NUMBER OF FISHING-BOATS REGISTERED AND LICENSED AT EACH PORT DURING THE YEAR ENDED 31ST DECEMBER, 1917.

Port.	Number registered.	Number licensed.	Port.	Number registered.	Number licensed.
Auckland	205	203	Brought forward	800	798
Bluff	57	57	New Plymouth	33	33
Chatham Islands	17	17	Oamaru	29	29
Dunedin	83	83	Pictou	19	19
Gisborne	19	19	Russell	44	44
Greymouth	11	11	Tauranga	22	22
Hokianga	25	25	Thames	43	43
Hokitika	2	2	Timaru	23	23
Invercargill	29	29	Wairau	8	8
Kaipara	96	96	Wanganui	19	19
Lyttelton	136	136	Wellington	72	72
Napier	54	54	Westport	18	18
Nelson	66	66	Totals	1,130	1,128
Carried forward	800	798			

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

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

* Light discontinued; moved to Cape Egmont.

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

‡ Built by Provincial Government of Auckland; cost not shown 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, 1918.

Nature of Receipts.	Amount.
	£ s. d.
Shipping and Seamen Acts :—	
Fees for engagement and discharge of seamen, and sale of forms	2,747 1 0
Surveys of steamers and sailing-vessels	2,840 5 0
Measurement of ships	33 3 3
Examination of masters, mates, and engineers	354 15 0
Light dues	28,141 4 11
Sundry receipts	92 10 0
Fines and forfeitures	1,881 1 10
Merchant Shipping Act	127 6 6
Harbours Acts :—	
Pilotage, port charges, &c.	907 3 4
Foreshore rents, and sundry receipts	928 0 6
Fisheries Acts :—	
Sale of oysters	6,890 16 6
Sale of salmon and other fish	168 15 10
Sundry receipts	273 9 0
Inspection of Machinery Acts :—	
Inspection of boilers and machinery	11,831 12 6
Examination of engine-drivers	420 15 0
Tramways Acts :—	
Examination of electric-tram drivers	154 10 0
Total	57,792 10 2

RETURN SHOWING THE AMOUNT OF LIGHT DUES
COLLECTED DURING THE FINANCIAL YEAR
ENDED 31ST MARCH, 1918.

Port.	Amount collected.
	£ s. d.
Auckland	11,984 3 8
Onehunga	129 18 0
Thames	68 7 0
Coromandel	9 8 3
Whitianga	8 5 9
Whangarei	289 10 3
Russell	31 14 2
Whangaroa	8 16 3
Mangonui	0 3 6
Whangape	0 1 1
Hokitika	21 13 9
Tauranga	62 4 5
Kaipara	42 5 7
Gisborne	630 6 5
Napier	788 6 1
New Plymouth and Waitara	528 15 0
Patea	16 14 7
Wanganui	464 19 9
Wellington	6,587 13 5
Wairau	11 12 9
Picton	280 8 8
Nelson	377 13 0
Westport	358 10 9
Greymouth	293 0 4
Hokitika	2 13 4
Lyttelton	2,916 17 9
Timaru	362 2 11
Oamaru	91 10 6
Dunedin	1,108 15 11
Bluff and Invercargill	663 3 9
Riverton	1 8 4
Total	28,141 4 11

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1918.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Leonard Robertson	Extra master	Foreign trade	20/3/18	1304
George McKenzie Smart	Master	"	16/5/17	1219
Robert McKinnon Kane	"	"	8/6/17	1285
Charles Christopher Bullock	"	"	11/6/17	1174
Herbert Clarksc White	"	"	7/11/17	1256
Everard John McClellan	"	"	17/12/17	1182
Reginald Joseph Webb	"	"	30/1/18	1299
Francis Wallace Collins	"	"	20/3/18	1212
Percy Harold King	" (steam)	"	2/4/17	1190
Alfred Frederick Inman	"	"	30/6/17	1194
David Washington Nicholas	"	"	7/11/17	1223
Henry Alexander Anderson	"	"	17/12/17	1234
Arthur Sutherland Gibson	"	"	7/1/18	1298
George William Godfrey	"	"	30/1/18	1197
Robert Blair Denniston	First mate	"	18/4/17	1239
Arthur William Coles	"	"	8/6/17	1240
Harold Donald	"	"	20/7/17	1241
James John Smith	"	"	20/7/17	1257
William Robert Percy	"	"	17/12/17	1244
James Gaby	"	"	17/12/17	1265
Cyril Campbell Waters	"	"	7/1/18	1297
George David Fraser	" (steam)	"	1/5/17	1283
Cecil Sharpe	"	"	16/5/17	1255
Donald MacKenzie	"	"	11/6/17	1147
Ernest Colin Nelson	"	"	20/7/17	1260
Ernest Cyril Young	"	"	8/11/17	1261
Francis Edward Frame	"	"	30/1/18	1267
Charles Burgess	Only mate (steam)	"	7/2/18	1300
David Norman McLeish	Second mate	"	2/4/17	1281
James Douglas Bell	"	"	1/5/17	1282
Emery Jackson	"	"	10/8/17	1287
Edwin Havelock Willson	"	"	5/9/17	1288
Frank Harrison Retter	"	"	7/1/18	1296
Richard Martin	" (steam)	"	1/5/17	1284
William Fisher Long	"	"	30/6/17	1286
Douglas Merlin Chapman	"	"	19/9/17	1289
Frederick John Allen	"	"	21/9/17	1290
William John Berryman	"	"	5/10/17	1291
Kenneth Gordon Don	"	"	15/10/17	1292
Henry Wilson Dunlop	"	"	8/11/17	1293
Thomas Walter Inkster	"	"	29/11/17	1294
Douglas David Tyer	"	"	17/12/17	1295
Allan Ernest Rawlins	"	"	26/2/18	1301
Thomas Robertson	"	"	26/2/18	1302
Herbert William Cadwallader	"	"	7/3/18	1303
Albert George Baggett	Master	Home trade	11/6/17	5800
Robertson Reid	"	"	30/6/17	5773
Jame Williamson	"	"	19/9/17	5844
Leonard William Crowe	"	"	8/11/17	5792
James Hine Miller	"	"	7/3/18	5852
Percy Alfred Miles	Mate	"	16/4/17	5837
Richard Adam James Nixon	"	"	17/5/17	5838
Harry Martin McGeachio	"	"	11/6/17	5839
John Felix Muisoy	"	"	30/6/17	5840
Peter Eva Trevithick	"	"	10/8/17	5841
Peter McLachlan	"	"	5/9/17	5842
William Henry Jenkins	"	"	5/9/17	5843
Arthur James Pearce	"	"	21/9/17	5845
Frederick William Francis Green	"	"	8/11/17	5846
James Hay Henderson	"	"	17/12/17	5847
John Georgeson	"	"	17/12/17	5848
Robert Berryman	"	"	6/2/18	5849
Oscar Green	"	"	7/3/18	5850
Thomas Brown	"	"	7/3/18	5851
William Robert Williams	"	"	25/3/18	5853
Richard Adam James Nixon	Master	Fishing-boat or cargo-vessel under 25 tons register	30/4/17	80
James Holt	"	Ditto	11/6/17	81
Stanley Upham Johnson	"	"	5/9/17	82
William MacDonald	"	Sailing-vessel in harbours or rivers	11/6/17	5
Joseph John Malthus	"	River steamer	2/4/17	3713
Hugh McEwen	"	"	1/5/17	3714
Frederick William Green	"	"	11/6/17	3715
Wallace George Sutcliffe	"	"	20/7/17	3716
Henry Trout	"	"	20/7/17	3717
Wilfred Samuel Marshall	"	"	3/10/17	3718
Thomas James Eaddy	"	"	8/10/17	3719
Edwin Charles Shepherd	"	"	17/12/17	3720
Richard Frederick Evans	"	"	17/12/17	3721
Donald McKenzie	"	"	17/12/17	3722
Peter Wilson	"	"	17/12/17	3723

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1918—continued.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Peter Reid	Master	Foreign trade ..	30/1/18	3724
Eric Howard Tarlton	"	"	30/1/18	3725
Robert Henry Faulkner	"	"	2/2/18	3726
George Frederick Christopher Faulkner	"	"	2/2/18	3727
Horace Harwood	"	"	7/3/18	3728
Donald McBean	1st-class engineer ..	"	8/6/17	1181
Joseph Victor King	"	"	5/7/17	1970A
John Keith Lyndsay Woobling	"	"	10/8/17	1979
Harold George Isaac	"	"	10/8/17	1237
Arthur Gordon	"	"	5/9/17	1980
Albert Rutherford Douglas	"	"	3/10/17	1487
Hector Joseph Turner	"	"	20/11/17	1998
Charles Edward Lawless	"	"	17/12/17	1230
Clement Cauty Richardson	"	"	17/12/17	1509
George Watson Fraser	"	"	25/3/18	1529
Gordon Louis Ansenne	"	"	25/3/18	1561
Herbert John Allen Knewstuff	"	"	25/3/18	1421
Rawdon Somerville Rutherford	2nd-class engineer ..	"	1/5/17	1135
Hiram St. Clair Woodley	"	"	8/6/17	1970
Charles Tennant	"	"	8/6/17	1773
James Charles Gray	"	"	2/7/17	1519
William Edward Joseph Greaney	"	"	2/7/17	1671
John Joseph Flaherty	"	"	20/7/17	1567
Robert James Herbert Sheppard	"	"	10/8/17	1287
James William McGill	"	"	10/8/17	1755
Richard Randolph Bramley	"	"	10/8/17	1784
Cyril Lionel Alphonsus Mitchell	"	"	10/8/17	1759
Henry Alexander McGregor	"	"	10/8/17	1819
William McCullough	"	"	19/9/17	1668
Hammerton St. George Pendock Tucker	"	"	5/10/17	1738
Henry Thomas Moody	"	"	12/10/17	1715
Philip Thornicroft Middelditch	"	"	13/11/17	1807
William Henry Hodgson	"	"	5/12/17	1778
Harold Pike	"	"	17/12/17	1783
Bernard James Rasmussen	"	"	17/1/18	1536
James Edward O'Shea	"	"	17/1/18	1695
Gilbert Marcellus Monaghan	"	"	21/1/18	1805
Edwin Alexander McDonald	3rd-class engineer ..	"	2/4/17	1946
John Thomas Gibson	"	"	2/4/17	1947
Kenneth MacDonald	"	"	1/5/17	1948
Andrew Jack	"	"	1/5/17	1949
Herbert Raymond Angell	"	"	1/5/17	1950
Frederick Hugh Jamieson	"	"	1/5/17	1951
Peter McNicol	"	"	1/5/17	1952
Albert Edward Hassall	"	"	17/5/17	1953
Robert Watson	"	"	17/5/17	1954
Graham Wakefield O'Connor	"	"	17/5/17	1955
Robert Edward Graham	"	"	17/5/17	1956
Fossey Harry Tackaberry	"	"	17/5/17	1957
John Wright	"	"	17/5/17	1958
William Norman Martin	"	"	17/5/17	1959
Walter Robert Neilson	"	"	17/5/17	1960
Hugh Irvine Crawford	"	"	17/5/17	1961
Archie Douglas Wilson	"	"	17/5/17	1962
George Blakeway Read	"	"	17/5/17	1963
Victor Tainui Standing	"	"	8/6/17	1964
Maitland George Marriott Roper	"	"	11/6/17	1965
Allan Frederick Spierling	"	"	11/6/17	1966
Llewellyn Wynn Williams	"	"	11/6/17	1967
Alfred Irvine Senior	"	"	8/6/17	1968
John Samuel Gibbons	"	"	7/6/17	1969
Ernest Arthur Harold George	"	"	20/6/17	1971
William Charles Debenham	"	"	20/6/17	1972
Andrew Semple	"	"	20/6/17	1973
Hugh Parker	"	"	20/6/17	1974
Alexander Robert Aitken	"	"	20/6/17	1975
Harold Simmonds	"	"	6/8/17	1976
Alfred James Dungey	"	"	10/8/17	1977
Colin McClay Harper	"	"	10/8/17	1978
Sidney Charles Maslin	"	"	5/9/17	1981
John Reginald Armstrong	"	"	10/9/17	1982
Frederick Martin Ashby Palmer	"	"	10/9/17	1983
William Neilson Wedderspoon	"	"	10/9/17	1984
William Henry Chaplin	"	"	10/9/17	1985
Harold Winstone Hazlehurst	"	"	10/9/17	1986
William Bruce Fordyce	"	"	13/9/17	1987
Albert James Rison	"	"	21/9/17	1988
Geoffrey Claude Holly	"	"	5/10/17	1989
John Cruickshanks	"	"	5/10/17	1990
Reginald Alan Gaythorne Hardy	"	"	8/10/17	1991
John Herbert McPhee	"	"	12/10/17	1992
Andrew Kenneth Liddell	"	"	8/11/17	1993
Neill Joseph Walls	"	"	17/12/17	1994

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1918—*continued*.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
William Monzari	3rd-class Engineer ..	Foreign trade ..	17/12/17	1995
Matthew Blair	" ..	" ..	17/12/17	1996
William Morrison Dowdall Jones	" ..	" ..	17/12/17	1997
James Burgess	" ..	" ..	17/12/17	1998
William Charles Cook	" ..	" ..	17/12/17	1999
Walter George Ross	" ..	" ..	17/12/17	2000
Clifford Roy Smith	" ..	" ..	17/12/17	2001
George Reichardt West	" ..	" ..	17/12/17	2002
John Barry	" ..	" ..	17/12/17	2003
William Henry Jordan	" ..	" ..	17/1/18	2004
James Stoddart Thomas	" ..	" ..	17/1/18	2005
Humphrey Kemp	" ..	" ..	17/1/18	2006
Fred Eric Cox	" ..	" ..	30/1/18	2007
Edgar Norman Osborn	" ..	" ..	6/2/18	2008
Lawrence Martin Knudson	" ..	" ..	5/2/18	2009
Ernest Bennett Smith	" ..	" ..	5/2/18	2010
James Burton Holmes Cuthbert	" ..	" ..	5/2/18	2011
John Frederick Newsome	" ..	" ..	6/2/18	2012
John Turner	" ..	" ..	26/2/18	2013
Percy Randall Scott	" ..	" ..	25/3/18	2014
Francis Roy Purdom	" ..	" ..	25/3/18	2015
Haworth Hilary Mountfort	" ..	" ..	25/3/18	2016
Karl Fraser	" ..	" ..	25/3/18	2017
Charles Hope Cowman	Engineer ..	River trade ..	2/4/17	2268
Arthur George Stuart	" ..	" ..	1/5/17	2269
William George Fraser	" ..	" ..	17/5/17	2270
Michael Pierce Butler	" ..	" ..	17/5/17	2271
James Archer	" ..	" ..	7/6/17	2272
Charles Christie Palmer	" ..	" ..	20/7/17	2273
Robert Smith	" ..	" ..	10/8/17	2274
Jack Charles Stubbs	" ..	" ..	10/9/17	2275
Christopher Leek	" ..	" ..	10/9/17	2276
Percy Palmer	" ..	" ..	17/12/17	2277
James John Hogan	" ..	" ..	17/1/18	2278
Cecil Houston	" ..	" ..	25/3/18	2279
Hector Vaughan Johnston	1st-class oil engineer	Seagoing ..	20/7/18	282
Walter Rankin Peters	" ..	" ..	20/7/17	283
John Samuel Gibbons	" ..	" ..	20/7/17	280
Arthur Roland Johnson	" ..	" ..	20/7/17	281
Palmer, Otto Spry	" ..	" ..	10/8/17	2
Frederick Truby King Gaw	" ..	" ..	17/12/17	293
Harold Winstone Hazlehurst	" ..	" ..	17/12/17	294
William Henry Stewart	" ..	" ..	17/1/18	296
George Blakeway Read	" ..	" ..	5/2/18	298
Charles Frederick Shaw	2nd-class oil engineer	" ..	17/5/17	275
Llewelyn Mostyn Parry	" ..	" ..	17/5/17	276
Edwin Phillips	" ..	" ..	8/6/17	277
Joseph John Henry Jenkin	" ..	" ..	11/6/17	278
John Walter Glennie	" ..	" ..	30/6/17	279
Henry Edward Berridge	" ..	" ..	20/7/17	284
Owen James Threlfo	" ..	" ..	20/7/17	285
Charles Christie Palmer	" ..	" ..	20/7/17	286
Bertram Hunter	" ..	" ..	20/7/17	287
Charles Hope Courman	" ..	" ..	10/8/17	288
Nicoless Henry George Munro	" ..	" ..	10/9/17	289
Hans Valdemar Nielsen	" ..	" ..	13/9/17	290
Patrick Morris	" ..	" ..	2/10/17	291
Frederick Charles Bunyard	" ..	" ..	17/12/17	292
John Robertson Wilson	" ..	" ..	17/1/18	295
George Smith	" ..	" ..	21/1/18	297
Kenneth McCaskill McIntyre	" ..	" ..	6/2/18	299
James Odward Carr	" ..	" ..	25/3/18	300
Phillip Bradley	River oil engineer ..	Restricted limits ..	2/4/17	710
William Whittingham	" ..	" ..	17/5/17	711
Herbert Henry Curry	" ..	" ..	17/5/17	712
Frederick Leonard Donaldson	" ..	" ..	17/5/17	713
George Arnold	" ..	" ..	17/5/17	714
William Henry Muir	" ..	" ..	17/5/17	715
Thomas Guy Robert Brocas	" ..	" ..	17/5/17	716
Wyatt Watling Williams	" ..	" ..	17/5/17	717
Robert Lambie	" ..	" ..	17/5/17	718
Samuel Joseph Beeby	" ..	" ..	17/5/17	719
Sidney Frederick Finch	" ..	" ..	17/5/17	720
Frederick James Lake	" ..	" ..	11/6/17	721
Gordon George Malcolm Osborne	" ..	" ..	8/6/17	722
Roy Harvey Paddison	" ..	" ..	8/6/17	723
Peter Herbert James Flinn	" ..	" ..	8/6/17	724
Teiki Hiroti	" ..	" ..	11/6/17	725
Stanley Waldemar Hansen	" ..	" ..	7/6/17	726
Walter Barrott	" ..	" ..	7/6/17	727
John William Noble	" ..	" ..	2/7/17	728
Percy Thomas Meenan	" ..	" ..	2/7/17	729
George Stacey Fuller	" ..	" ..	3/7/17	730

RETURN OF MASTERS, MATES, AND ENGINEERS TO WHOM CERTIFICATES OF COMPETENCY WERE
ISSUED DURING THE YEAR ENDED 31ST MARCH, 1918—*continued.*

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Richard Charleton	River Oil Engineer ..	Restricted limits ..	3/7/17	731
Joseph Hawkey Bunt	" ..	" ..	24/7/17	732
Percy Devine	" ..	" ..	20/7/17	733
William Alexander Shoobridge	" ..	" ..	20/7/17	734
George Henry Wyatt	" ..	" ..	20/7/17	735
Tony Antunovick	" ..	" ..	31/7/17	736
Henry Francis Christenson	" ..	" ..	1/8/17	737
Allan Roderick Rowlands	" ..	" ..	6/8/17	738
James William Goer	" ..	" ..	10/8/17	739
Frederick Charles Bunyard	" ..	" ..	10/8/17	740
Douglas James Knowles	" ..	" ..	10/8/17	741
William Stevenson	" ..	" ..	5/9/17	742
Frederick Charles Norton	" ..	" ..	4/9/17	743
James Christie Knowles	" ..	" ..	5/9/17	744
George Wallace Barker	" ..	" ..	10/9/17	745
Edward Charles Lannam	" ..	" ..	10/9/17	746
Edwin John Woodcock	" ..	" ..	10/9/17	747
Michael James Ready	" ..	" ..	10/9/17	748
Richard Arthur Northwood	" ..	" ..	10/9/17	749
Donald Fisk	" ..	" ..	10/9/17	750
Herbert Wiawera Hitchon	" ..	" ..	10/9/17	751
Peter Andrew Smith	" ..	" ..	10/9/17	752
John Gordon Vire Satherley	" ..	" ..	10/9/18	753
Robert Greig	" ..	" ..	10/9/17	754
George William Pattison	" ..	" ..	10/9/17	755
Walter Stanhope Sherwill	" ..	" ..	10/9/17	756
Alfred Burling	" ..	" ..	2/10/17	757
Arthur Joseph Symons	" ..	" ..	5/10/17	758
Thomas Reid	" ..	" ..	5/10/17	759
Bernard Joseph Lander Jukes	" ..	" ..	5/10/17	760
Robert Thomas Bruce Mackie	" ..	" ..	26/10/17	761
William Henry Edmunds	" ..	" ..	26/10/17	762
Colin Dick Murray	" ..	" ..	8/11/17	763
Arthur Walter Francis	" ..	" ..	17/12/17	764
Wilfred Fletcher Neal	" ..	" ..	29/11/17	765
Noel George Shakespear	" ..	" ..	17/12/17	766
Charles Kemp	" ..	" ..	17/12/17	767
Stephen, Stanley Rout	" ..	" ..	17/12/17	768
William Douglas Ayson	" ..	" ..	17/12/17	769
Edith Maud Sankey	" ..	" ..	17/12/17	770
Henry Bryan Kenny	" ..	" ..	17/12/17	771
Alexander Fraser	" ..	" ..	17/12/17	772
Leon Curtis	" ..	" ..	17/12/17	773
William Robert Hardie	" ..	" ..	17/12/17	774
John Alexander Smith	" ..	" ..	17/12/17	775
Reginald Pile	" ..	" ..	17/12/17	776
Roderick John McGregor	" ..	" ..	7/1/18	777
George Dent Nicol	" ..	" ..	17/1/18	778
William Francis Nicholson	" ..	" ..	17/1/18	779
George Henry McKenzie	" ..	" ..	21/1/18	779A
Harry Nelson Hawker	" ..	" ..	17/1/18	780
Roy Forrester	" ..	" ..	21/1/18	780A
John Macdonald	" ..	" ..	17/1/18	781
James Henry Cossgrove	" ..	" ..	17/1/18	782
Thomas Charles Bradshaw	" ..	" ..	17/1/18	783
James Augustus Thomson	" ..	" ..	17/1/18	784
Edward Ferdinand Walker	" ..	" ..	5/2/18	785
Oliver Stanley Gascoine	" ..	" ..	6/2/18	786
William Hastie Dean	" ..	" ..	26/2/18	787
Albert Henry Lewis Smith	" ..	" ..	26/2/18	788
Harold Arthur Graham	" ..	" ..	25/3/18	789
John Allen Onion	" ..	" ..	25/3/18	790
Frederick Munro	" ..	" ..	25/3/18	791
Herbert Foster	" ..	" ..	25/3/18	792
Stephen Matutinovich	" ..	" ..	25/3/18	793
Ernest Arnott Nichol	" ..	" ..	25/3/18	794
Huru Joseph	" ..	" ..	25/3/18	795
Tu Mihaera Lawson	" ..	" ..	25/3/18	796
Harold Edgar Willshire Forrest	" ..	" ..	25/3/18	797
John George Lacey	" ..	" ..	25/3/18	798
Charles Whiting	" ..	" ..	25/3/18	799
Alfred Harold George Shaw	" ..	" ..	25/3/18	800

RETURN SHOWING THE NUMBER OF MASTERS', MATES', AND ENGINEERS' EXAMINATIONS IN NEW ZEALAND DURING THE YEAR ENDED 31ST MARCH, 1918, 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	11	13	24	19	17	36	10	4	14	5	10	15	..	..	..	45	44	89
Home-trade masters and mates	6	7	13	12	5	17	2	..	2	..	..	..	..	..	..	20	12	32
River-steamers masters ..	7	1	8	4	..	4	..	..	..	..	..	..	3	1	4	14	2	16
Master, fishing-boat or cargo-vessel under 25 tons register	3	..	3	..	..	..	1	..	1	..	..	..	..	..	..	4	..	4
Master, sailing-vessel, plying in harbours and rivers	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	..	1
Seagoing engineers (steam)	32	11	43	22	8	30	16	2	18	17	5	22	14	..	14	101	26	127
River-steamers engineers ..	6	1	7	4	..	4	..	..	..	..	..	..	2	1	3	12	2	14
Marine-engine drivers ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seagoing engineers (mechanical power other than steam)	10	3	13	3	..	3	3	..	3	2	1	3	9	1	10	27	5	32
River engineers (mechanical power other than steam)	29	1	30	4	..	4	3	..	3	..	..	..	57	2	59	93	3	96
Totals	104	37	141	68	30	98	35	6	41	24	16	40	86	5	91	317	94	411

RETURN OF CERTIFICATES OF EXEMPTION FROM EXAMINATION AS THIRD-CLASS ENGINEERS ISSUED DURING THE YEAR ENDED 31ST MARCH, 1918.

Date of Issue.	Name.	Date of Issue.	Name.
April 13, 1917 ..	Thomas Albert Carr.	February 19, 1918 ..	Arthur Hugh Henry.
February 19, 1918 ..	James Edward Carr.	March 12, " ..	John Tutaneikai Bollons.
" " ..	Claude Reginald Hibbard.		

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, 1918.

No. of License.	Date of Issue.	Name of Licensee.	Port of Residence.	Date of Expiry of License.
43	Oct. 29, 1917	Felix Black	Wellington	Oct. 8, 1918.
47	Oct. 30, "	Richard Edward Smith	Auckland	Oct. 30, "
49	Jan. 19, "	William Andrew Smith	Wellington	Jan. 19, 1919.
50	April 14, 1918	William John McLean Tate	"	April 14, "
51	Sept. 1, 1917	George Lambert	"	Aug. 31, 1918.

RETURN OF LICENSED ADJUSTERS OF COMPASSES IN NEW ZEALAND.

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

TABLE SHOWING THE NUMBER AND TONNAGE OF SAILING AND STEAM VESSELS WHICH REMAINED UPON THE REGISTER OF THE DOMINION OF NEW ZEALAND ON THE 31ST DECEMBER, 1916; OF THOSE ADDED TO AND DEDUCTED FROM THE REGISTER DURING THE YEAR 1917; AND OF THOSE REMAINING ON THE REGISTER ON THE 31ST DECEMBER, 1917.

	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, 1916	190	23,664	21,853	390	124,833	70,442	580	148,497	92,295
Added to the Register,—									
Vessels registered for the first time—									
Built at ports in British possessions									
abroad	..	..	..	3	220	109	3	220	109
Purchased from foreigners ..	1	120	89	..	..	..	1	120	89
Vessels transferred from ports in									
British possessions abroad ..	2	902	823	2	202	93	4	1,104	916
Vessels registered <i>de novo</i> ..	2	151	118	4	295	110	6	446	228
Tonnage added without re-registra-									
tion	..	116	99	..	16	11	..	132	110
Total added	5	1,289	1,129	9	733	323	14	2,022	1,452
Deducted from the Register,—									
Vessels wrecked or otherwise lost ..	3	80	75	9	1,050	492	12	1,130	567
Vessels broken up, decayed, &c. ..	1	27	24	2	46	30	3	73	54
Vessels converted into hulks, &c. ..	1	54	49	1	14	6	2	68	55
Vessels transferred to ports in the									
United Kingdom	..	..	..	2	4,210	2,542	2	4,210	2,542
Vessels transferred to ports in British									
possessions	1	122	122	4	4,220	2,312	5	4,342	2,434
Vessels registered <i>de novo</i> ..	4	277	193	1	131	85	5	408	278
Tonnage deducted without re-regis-									
tration	..	16	96	..	9	48	..	25	144
Sold to foreigners	..	..	..	1	184	146	1	184	146
Other vessels	1	21	19	3	19	12	4	40	31
Total deducted	11	597	578	23	9,883	5,673	34	10,480	6,251
Remaining on the Register on the 31st									
December, 1917	184	24,356	22,404	376	115,683	65,092	560	140,039	87,496

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, 1917.

Ports.	Sailing-vessels.			Steam-vessels.			Totals.		
	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.	Vessels.	Gross Tonnage.	Net Tonnage.
Auckland	126	8,667	7,417	197	23,051	12,031	323	31,718	19,448
Napier	4	266	253	30	3,887	2,282	34	4,153	2,535
Wellington	13	3,161	2,886	39	11,426	5,791	52	14,587	8,677
Nelson	7	189	152	15	2,797	1,320	22	2,986	1,472
Lyttelton	12	3,713	3,615	17	5,066	2,364	29	8,779	5,979
Timaru	1	733	690	1	942	488	2	1,675	1,178
Dunedin	19	7,255	7,047	65	67,252	40,224	84	74,507	47,271
Invercargill	2	372	344	12	1,262	592	14	1,634	936
Totals	184	24,356	22,404	376	115,683	65,092	560	140,039	87,496

DESCRIPTIVE RETURN OF NEW ZEALAND COASTAL LIGHTHOUSES.

Name of Lighthouse.	Order of Apparatus.	Description.	Period of Revolving Light.	Colour of Light.	Tower built of	Dwellings built of	Date first lighted.
Cape Maria van Diemen	1st order dioptric	Revolving Fixed ..	1' ..	White Red, to show over Columbia Reef	Timber	Timber	Mar. 24, 1879.
Cape Brett	1st order dioptric	Group flashing	*	White	Iron ..	"	Feb. 21, 1910.
Mokohinou	1st	Flashing	10"	"	Stone	"	June 18, 1883.
Chicken Island (Marotiri)	Acetone-acetylene (unwatched)	"	$\frac{1}{4}$ " fl. 3 $\frac{1}{2}$ " ecl.	"	Iron ..	"	April 28, 1913.
Tiritiri	2nd order dioptric	Fixed ..	..	White, with red arc over Flat Rock	" ..	Timber	Jan. 1, 1865.
Channel Island	Acetone-acetylene (unwatched)	Flashing	$\frac{1}{2}$ " fl. 2" ecl. $\frac{1}{2}$ " fl. 10" ecl. $\frac{1}{2}$ " fl. 13" ecl.	White	" ..	"	Feb. 11, 1915.
Ponui Passage	5th order dioptric	"	$\frac{1}{2}$ " fl. 13" ecl.	White and red ..	Timber	Timber	July 29, 1871.
Cuvier Island	1st	Revolving	30"	White	Iron ..	"	Sept. 22, 1889.
East Cape	2nd	Flashing	10"	"	" ..	"	Aug. 9, 1900.
Portland Island	2nd	Revolving	30"	"	" ..	"	"
Portland Island	..	Fixed ..	..	Red, to show over Bull Rock	Timber	"	Feb. 10, 1878.
Castle Point	2nd order dioptric	Group flashing	†	White	Iron ..	"	Jan. 12, 1913.
Cape Palliser	2nd	Revolving	†	"	" ..	"	Oct. 27, 1897.
Pencarrow Head	2nd	Fixed ..	..	"	" ..	"	Jan. 1, 1859.
Cape Egmont	2nd	" ..	..	"	" ..	"	Aug. 1, 1881.
Manukau Head	3rd	" ..	..	"	Timber	"	Sept. 1, 1874.
Kaipara Head	2nd	Flashing	10"	"	"	"	Dec. 1, 1884.
Kaipara Head	2nd	"	10"	"	"	"	"
Brothers	..	Fixed ..	..	Red, to show over Cook Rock	"	"	Sept. 24, 1877.
Cape Campbell	2nd order dioptric	Revolving	1'	White	Iron ..	"	Aug. 1, 1870.
Godley Head	2nd	Fixed ..	..	"	Stone	Stone	April 1, 1865.
Akaroa Head	2nd	Flashing	10"	"	Timber	Timber	Jan. 1, 1880.
Jack's Point	4th	Fixed ..	..	"	Iron ..	Stone	July 1, 1904.
Moeraki	3rd	" ..	..	"	Timber	"	April 22, 1878.
Taiaroa Head	3rd	" ..	..	Red	Stone & timber	"	Jan. 2, 1865.
Cape Saunders	2nd	Revolving	1'	White	Timber	Timber	Jan. 1, 1880.
Nugget Point	1st	Fixed ..	..	"	Stone	"	July 4, 1870.
Waipapapa Point	2nd	Flashing	10"	"	Timber	"	Jan. 1, 1884.
Dog Island	1st order catadioptric	Revolving	30"	"	Stone	Stone	Aug. 1, 1865.
Centre Island	1st order dioptric	Fixed ..	..	White, with red arcs over inshore dangers	Timber	Timber	Sept. 16, 1878.
Puysegur Point	1st	Flashing	10"	White	"	"	Mar. 1, 1879.
Cape Foulwind	2nd	Revolving	30"	"	"	"	Sept. 1, 1876.
Kahurangi Point	2nd	Fixed ..	..	White, with red sector to show over Stewart Breaker	Iron ..	"	Nov. 30, 1903.
Farewell Spit	2nd	Revolving	1'	White, with red arc over Spit end	" ..	"	June 17, 1870.
Nelson	4th	Fixed ..	..	White, with red arc to mark limit of anchorage	" ..	"	Aug. 4, 1862.
French Pass	6th	" ..	..	Red and white, with white light on beacon	" ..	"	Oct. 1, 1884.
Stephen Island	1st	Group flashing	*	White	" ..	"	Jan. 29, 1894.
Karori Rock	Acetone-acetylene (unwatched)	Flashing	$\frac{1}{4}$ " fl. 3 $\frac{1}{2}$ " ecl.	White, with red arc over Luna Rock and Tom's Rock	Concrete	"	Oct. 20, 1915.
Okuri Point	"	"	$\frac{3}{4}$ " fl. 3" ecl.	White, with red arc over Beef Barrel Rocks	Iron ..	"	June 24, 1916.

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

RETURN OF STEAMERS AND OIL-ENGINE VESSELS TO WHICH CERTIFICATES OF SURVEY WERE ISSUED
IN NEW ZEALAND DURING THE YEAR ENDED 31ST MARCH, 1918.

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.	
Admiral ..	82	50	..	Compound ..	Screw ..	River limits	..	..	..	..	
Advance ..	12	8	..	Non-condensing	" ..	"	..	..	..	..	
Adventure ..	3	2	..	Oil-engine ..	" ..	"	..	..	..	..	
Ahiki ..	6	35	..	" ..	" ..	"	..	..	..	..	
Ahuriri ..	33	17	..	Compound ..	" ..	"	..	..	..	..	
Ailoma ..	4	15	..	Oil-engine ..	Twin-screw	"	..	..	..	..	
Akaroa ..	29	28	94	Compound ..	Screw ..	Home trade ..	1	1	..	..	
Albatross (A'kland)	111	37½	..	" ..	" ..	River limits..	..	..	..	..	
Albatross (Ham'lt'n)	4	8	..	Oil-engine ..	" ..	"	..	..	..	..	
Albatross (Hoki'nga)	2	4	..	" ..	" ..	"	..	..	..	..	
Alert ..	..	6	..	Compound ..	" ..	"	..	..	..	..	
Alert (Wanganui)	5	15	..	Oil-engine ..	" ..	"	..	..	..	..	
Alexander ..	185	72	..	Compound ..	Twin-screw	Home trade ..	4	3	..	..	
Alexander ..	4	15	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Alice ..	4	12	..	" ..	" ..	"	..	..	..	..	
Alice (Hokianga)..	1	6	..	" ..	" ..	"	..	..	..	..	
All Black (Tairua)	4	17	..	" ..	" ..	"	..	..	..	..	
All Black (No. 2)..	4	24	..	" ..	" ..	"	..	..	..	..	
Almora ..	4½	24	..	" ..	" ..	"	..	..	..	..	
Antiocho ..	1	2½	..	" ..	" ..	"	..	..	..	..	
Anzac ..	4	6	..	" ..	" ..	"	..	..	..	..	
Aotea ..	157	33	..	Compound ..	" ..	"	..	..	..	..	
Apanui ..	135	28	201	Triple-expansion	" ..	Home trade ..	4	2	..	..	
Aparima ..	3,684	284	2,843	" ..	Twin-screw	Foreign trade	13	9	3	3	
Arahura ..	772	145	1,693	" ..	" ..	Home trade ..	7	6	3	3	
Arapawa ..	128	47	289	" ..	Screw ..	"	4	2	..	..	
Arawa ..	2	5	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Ark ..	3	5	..	" ..	" ..	"	..	..	..	..	
*Ark (Pukenui)	3	2½	..	" ..	" ..	"	..	..	..	..	
Aroha ..	6	16	..	" ..	" ..	"	..	..	..	..	
Arumai ..	6	10	..	" ..	" ..	"	..	..	..	..	
Atua ..	2	8	..	" ..	" ..	"	..	..	..	..	
Aupouri ..	220	55	395	Triple-expansion	Twin-screw	Home trade ..	5	3	..	..	
Aureola ..	1	5	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Aurere ..	3	8	..	" ..	" ..	"	..	..	..	..	
Awahou ..	151	74	398	Compound ..	Twin-screw	Home trade ..	4	3	..	..	
Awanui ..	5	20	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Ayr ..	5	14	..	" ..	" ..	"	..	..	..	..	
Baden Powell ..	72	30	201	Compound ..	" ..	Home trade ..	2	2	..	..	
Baroona ..	79	24	149	" ..	" ..	"	..	..	2	2	
Beldame ..	4	20	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Bell Bird ..	52	15	..	Triple-expansion	" ..	"	..	..	..	..	
Bell Bird ..	2	4	..	Oil-engine ..	" ..	"	..	..	..	..	
Benares ..	2	5	..	" ..	" ..	"	..	..	..	..	
Ben Lomond ..	33	15	..	Compound ..	" ..	"	..	..	..	..	
*Billy ..	5	9	..	" ..	" ..	"	..	..	..	..	
Blenheim ..	85	50	204	Compound ..	" ..	Home trade ..	2	2	..	..	
Blue Bird ..	1	5	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Bonito ..	2	10	..	" ..	" ..	"	..	..	..	..	
Breeze ..	236	84	414	Triple-expansion	" ..	Home trade ..	4	3	..	..	
Breta Tui ..	36	40	..	Oil-engine ..	" ..	"	..	..	..	..	
Brit ..	6	16	..	" ..	Twin-screw	"	..	..	..	..	
Brit (Thames)	2	7	..	" ..	Screw ..	"	..	..	..	..	
*Britannia (Bluff)..	10	2½	..	" ..	" ..	Home trade ..	..	..	..	..	Fishing vessel.
*Britannia (A'kland)	108	40	..	Non-condensing	Paddle ..	River limits ..	..	..	..	..	
Britannic ..	3	7	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Britty ..	2	16	..	" ..	" ..	"	..	..	..	..	
Bruce ..	1	5	..	" ..	" ..	"	..	..	..	..	
Bulli ..	29	24	..	Compound ..	" ..	"	..	..	..	..	
Calm ..	523	550	706	Triple-expansion	" ..	Home trade ..	5	3	..	..	
Callie ..	5	35	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Canopus ..	835	280	1,101	Triple-expansion	" ..	Home trade ..	6	3	2	3	
Capel ..	3	10	..	Oil-engine ..	" ..	"	..	..	..	..	
Centaur ..	6	32	..	" ..	Twin-screw	"	..	..	..	..	
Chelmsford ..	79	25	63	Compound ..	Screw ..	Home trade ..	2	1	..	..	
Clansman ..	379	99	547	" ..	" ..	"	..	5	3	..	
Claymore ..	119	54	347	Triple-expansion	" ..	"	..	4	3	..	
Clematis ..	3	12	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Clio ..	6	6	..	" ..	" ..	"	..	..	..	..	
Clutha ..	96	24	..	Compound ..	Stern-wheel paddle	"	..	..	..	..	
Clyde ..	..	40	..	" ..	Ditto ..	"	..	..	..	..	
Cobar (Wellington)	69	40	..	Compound ..	Screw ..	"	..	..	..	..	
Cobar (Tryphena)	4	12	..	Oil-engine ..	" ..	"	..	..	..	..	
Comet ..	6	5	..	" ..	" ..	"	..	..	..	..	
Condor ..	188	24	..	Compound ..	Screw each end	"	..	..	..	..	

* 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.	
Conella ..	1	4	..	Oil-engine	..	Screw	..	..	..	..	
Coquette ..	3	10	..	"	..	"	..	..	..	..	
Corinna ..	812	141	1,039	Compound	..	"	6	3	2	3	
Countess ..	57	28	180	"	..	"	2	2	..	..	
Cowan ..	30	24	140	"	..	"	1	2	..	..	
Curlew ..	6	16	..	Oil-engine	..	"	..	..	..	..	
Cygnets (Lyttelton)	66	43	177	Compound	..	"	2	2	..	..	
Dairymaid ..	2	6	..	Oil-engine	..	"	..	..	..	..	
Daisy ..	6	20	..	"	..	"	..	..	..	..	
Daphne (Hokianga)	2	6	..	"	..	"	..	..	..	..	
Daphne (Auckland)	100	55	263	Compound	..	"	4	2	..	..	
Dauntless ..	3	16	..	Oil-engine	..	"	..	..	..	..	
Dawn (Mangonui)	3	8	..	"	..	"	..	..	..	..	
Dawn (Auckland)	14	36	..	"	..	"	..	..	..	..	
Defender ..	109	36	105	Compound	..	Screw	4	2	..	..	
Despatch ..	24	20	..	"	..	"	1	1	..	..	Fishing-vessel.
Dione ..	2	7	..	Oil-engine	..	"	..	..	..	..	
*Doak ..	3	8	..	"	..	"	..	..	..	..	
Doris (Napier)	4	20	..	"	..	"	..	..	..	..	
Doris (Picton)	2	4	..	"	..	"	..	..	..	..	
Doris (Russell)	3	12	..	"	..	"	..	..	..	..	
Dorset ..	41	32	60	Compound	..	Twin-screw	2	1	..	..	
Dovey ..	2	5	..	Oil-engine	..	Screw	..	..	..	..	
Dredge 350 ..	488	117	631	Triple-expansion	..	Twin-screw	5	3	..	..	
Duchess ..	137	81	..	"	..	Screw	..	..	..	..	
Duco ..	2	5	..	Oil-engine	..	"	..	..	..	..	
Dunedin ..	125	500	1,053	Triple-expansion	..	Twin-screw	4	3	2	3	
Eagle ..	138	70	..	Compound	..	Paddle	..	..	..	..	
Earnslaw ..	155	80	..	Triple-expansion	..	Twin-screw	..	..	..	..	
Echo ..	98	103	..	Oil-engine	..	Screw	2	..	..	..	
Echo ..	2	6	..	"	..	"	..	..	..	..	
Eclipse ..	2	8	..	"	..	"	..	..	..	..	
Edina ..	4	12	..	"	..	"	..	..	..	..	
Eileen ..	6	30	..	"	..	"	..	..	..	..	
Elsie (Auckland) ..	24	30	..	"	..	Twin-screw	1	..	..	..	
Elsie (French Pass)	3	5	..	"	..	Screw	..	..	..	..	
Elsie (Thames) ..	4	15	..	"	..	"	..	..	..	..	
*Elsie (Wellington)	22	11	..	Compound	..	"	..	..	..	..	Wrecked.
Elsie Evans ..	6	20	..	Oil-engine	..	"	..	..	..	..	
Elspie ..	2	5	..	"	..	"	..	..	..	..	
Elswick ..	4	12	..	"	..	"	..	..	..	..	
Emma ..	4	8	..	"	..	"	..	..	..	..	
Emerald ..	4	12	..	"	..	"	..	..	..	..	
Emily ..	5	25	..	"	..	"	..	..	..	..	
Endeavour ..	54	30	..	"	..	"	..	..	..	..	
Erin ..	..	3 ¹	..	Non-condensing	..	"	2	..	..	..	
Erskine ..	90	35	..	Compound	..	"	..	..	..	..	
Ethel W. ..	4	18	..	Oil-engine	..	"	..	..	..	..	
Eureka (Hokianga)	3	10	..	"	..	"	..	..	..	..	
Eureka (Te Kopuru)	2	8	..	"	..	"	..	..	..	..	
Eva ..	5	20	..	"	..	"	..	..	..	..	
Eveline ..	..	8	..	Non-condensing	..	"	..	..	..	..	
Excelsior ..	29	24	..	Oil-engine	..	Twin-screw	1	..	..	..	
Express ..	36	25	95	Compound	..	Screw	2	1	..	..	Fishing-vessel.
Fanny ..	55	30	139	"	..	"	2	2	..	..	
Farina ..	6	16	..	Oil-engine	..	"	..	..	..	..	
Ferro (Auckland)	6	30	..	"	..	"	..	..	..	..	
Ferro (Queenstown)	3	7	..	"	..	"	..	..	..	..	
Fiona ..	2	4 ¹	..	"	..	"	..	..	..	..	
Fire Float ..	..	14	..	"	..	"	..	..	..	..	
Flora (Dunedin) ..	838	180	1,006	Compound	..	"	6	3	2	3	
Flora (Totara N.)	2	3	..	Oil-engine	..	"	..	..	..	..	
Foam ..	3	10	..	"	..	"	..	..	..	..	
Freetrader ..	94	50	..	Non-condensing	..	Stern-wheel paddle	..	..	..	..	
Gael ..	55	20	111	Compound	..	Screw	2	2	..	..	
Gannet ..	10	12	..	"	..	"	..	..	..	..	
Geisha ..	4	12	..	Oil-engine	..	"	..	..	..	..	
Gilda ..	5	12	..	"	..	"	..	..	..	..	
Gisborne Pilot-launch	5	12	..	"	..	Twin-screw	..	..	..	..	
Gladstone ..	3	5	..	"	..	Screw	..	..	..	..	
Glenelg ..	156	75	252	Compound	..	"	4	3	..	..	
Glenlee ..	5	10	..	Oil-engine	..	"	..	..	..	..	
Goshawk ..	122	28	..	Compound	..	"	..	..	..	..	
Greyhound ..	83	60	..	Oil-engine	..	"	2	..	..	..	
Hairini ..	6	25	..	"	..	"	..	..	..	..	

* 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.	
Hananui II ..	44	58	294	Triple-expansion	Screw ..	Home trade ..	2	3	..	..	Dredge.
Hapai ..	364	154	..	"	Twin-screw	River limits ..	..	..	..	..	
Harmony ..	2	6	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Harriet ..	3	8	..	"	"	"	..	..	..	..	
Hauiti ..	82	32	..	Compound ..	"	"	..	..	..	..	
Hauraki ..	9	3 $\frac{1}{2}$	..	"	"	"	..	..	..	..	
Hawera ..	92	31	192	"	"	Home trade ..	2	2	..	..	
Himitangi ..	149	45	..	Triple-expansion	"	Foreign trade	4	3	..	..	
Hina ..	2	20	117	Compound ..	"	Home trade ..	2	2	..	..	
Hinemoa ..	282	150	680	"	"	Foreign trade	5	3	..	..	
Hinewai ..	5	16	..	Oil-engine ..	"	River limits ..	..	..	..	..	
Hirero ..	20	16	..	Compound ..	Twin-screw	"	..	..	..	..	
Hobsonville ..	23	15	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Houto ..	84	45	..	"	"	Home trade ..	2	..	..	..	
Huia (Wellington)	69	25	121	Compound ..	"	"	2	2	..	..	
Huia (Auckland) ..	199	47	..	Oil-engine ..	"	Foreign trade	4	..	..	..	
Huia (Wellington)	..	2	..	Compound ..	"	River limits ..	..	..	..	..	Launch.
Huia (Lake Roto-mahana)	2	4	..	Oil-engine ..	"	"	..	..	..	..	
Ida ..	3	7	..	"	"	"	..	..	..	..	
Ika ..	7	20	..	"	"	"	..	..	..	..	
Imperial ..	3	12	..	"	"	"	..	..	..	..	
Iona ..	12	25	..	Compound ..	Twin-screw	"	..	..	..	..	
Irene ..	4	12	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Iriti ..	4	15	..	"	"	"	..	..	..	..	
Isa ..	3	5	..	"	"	"	..	..	..	..	
Isabel ..	5	5	..	"	"	"	..	..	..	..	
Isabella de Fraine	76	60	..	"	Twin-screw	Home trade ..	2	..	..	..	
Isobel ..	6	6	..	"	Screw ..	River limits ..	..	..	..	..	
Ivy ..	8	30	..	"	"	"	..	..	..	..	
Jane (Auckland) ..	22	35	..	"	"	Home trade ..	1	..	..	..	
J.D.O. ..	38	28	..	Compound ..	"	River limits ..	..	..	..	..	
Joan Justin ..	..	1 $\frac{1}{2}$	..	"	"	"	..	..	..	..	
John ..	134	90	185	"	"	Home trade ..	4	2	..	..	
John Anderson ..	36	20	..	"	"	River limits ..	..	..	..	..	
John Kennedy ..	4	12	..	Oil-engine ..	"	"	..	..	..	..	
Jumbo ..	4	32	..	"	"	"	..	..	..	..	
Kao ..	146	60	..	"	Twin-screw	Home trade ..	4	..	..	..	
Kahika ..	516	98	702	Triple-expansion	Screw ..	"	5	3	..	..	
Kahu (Napier) ..	96	40	235	Compound ..	"	"	2	2	..	..	
Kahu (Auckland) ..	25	40	..	Oil-engine ..	Twin-screw	"	1	..	..	..	
Kaimaka ..	11	24	..	"	"	River limits ..	..	..	..	..	
Kaipatiki ..	23	9	..	Compound ..	Screw ..	"	..	..	..	..	
Kaitangata ..	1,219	200	1,025	Triple-expansion	"	Foreign trade	7	3	2	3	
Kaitoa ..	118	65	298	Compound ..	Twin-screw	Home trade ..	4	3	..	..	
Kaituna (A'k'and)	6	10	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Kaituna (Dunedin)	1,246	200	988	Triple-expansion	"	Foreign trade	7	3	..	..	
Kauma ..	2	4 $\frac{1}{2}$	..	Oil-engine ..	"	River limits ..	..	..	..	..	
Kakapo ..	949	90	732	Triple-expansion	"	Foreign trade	6	3	..	..	
Kamona ..	904	117	796	"	"	"	6	3	2	3	
Kanieri (Auckland)	115	20	162	Compound ..	"	Home trade ..	4	2	..	..	
Kanieri (L. Kanieri)	2	4	..	Oil-engine ..	"	River limits ..	..	..	..	..	
Kapiti ..	114	35	209	Compound ..	"	Home trade ..	4	2	..	..	
Kapua ..	12	..	..	Oil-engine ..	"	"	1	..	..	..	
Kapuni ..	96	30	190	Compound ..	"	"	2	2	..	..	
*Karaka ..	10	22	..	Triple-expansion	"	River limits ..	..	..	..	..	
Karamu ..	452	102	745	"	"	Foreign trade	5	3	..	..	
Karma ..	3	28	..	Oil-engine ..	"	River limits ..	..	..	..	..	
Karora ..	6	30	..	"	"	"	..	..	..	..	
Karoro ..	3	8	..	"	"	"	..	..	..	..	
Karu ..	197	27	119	Compound ..	"	Home trade ..	4	2	..	..	
Kate ..	..	5	..	Non-condensing	"	River limits ..	..	..	..	..	
Kauri ..	1,830	306	1,153	Triple-expansion	"	Foreign trade	8	3	2	3	
Kauri-roa ..	2	5	..	Oil-engine ..	"	River limits ..	..	..	..	..	
Kawau (Devonport Steam-ferry Co.)	37	15	..	Compound ..	"	"	..	..	..	..	
Kawau (Northern S.S. Co.)	53	20	96	"	"	Home trade ..	2	1	..	..	
Kelvena ..	4	7	..	Oil-engine ..	"	River limits ..	..	..	..	..	
Kelvin ..	2	7	..	"	"	"	..	..	..	..	
Kennedy ..	131	38	174	Compound ..	Twin-screw	Home trade ..	4	2	..	..	
Kestrel ..	159	43	..	"	Screw each end	River limits ..	..	..	..	..	
Kia Ora ..	7	8	..	Oil-engine ..	Screw ..	"	..	..	..	..	
Kina ..	5	10	..	"	"	"	..	..	..	..	
Kini ..	702	135	702	Triple-expansion	"	Foreign trade	6	3	..	..	
Kinohaku ..	6	8	..	Oil-engine ..	"	River limits ..	..	..	..	..	

* 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.	
Kirita ..	6	30	..	Oil-engine ..	Twin-screw	River limits ..	..	..	..	..	
Kiritona ..	75	150	..	" ..	" ..	Home trade ..	2	..	..	..	
Kittawa ..	708	120	723	Triple-expansion	Screw ..	" ..	6	3	..	..	
Kiwi ..	4	23	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Koan ..	76	170	..	" ..	Twin-screw	" ..	..	..	..	..	
Kohi ..	20	60	..	" ..	" ..	Home trade ..	1	..	..	..	
Koi ..	55	32	..	Compound ..	" ..	River limits ..	..	..	..	..	
Kokiri (Wellington)	719	135	741	Triple-expansion	Screw ..	Foreign trade ..	6	3	..	..	
Kokiri (Russell) ..	4	10	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
*Komata ..	1,244	260	1,253	Triple-expansion	" ..	Foreign trade ..	8	6	3	3	
Kopu ..	18	13	..	Non-condensing	Paddle	River limits ..	..	..	..	..	
Koroi (Auckland)	..	9½	..	Quadruple-exp'n.	Screw ..	" ..	..	..	..	..	
Koroi (Hokianga)	3	7	..	Oil-engine ..	" ..	" ..	..	..	..	..	
*Kotare ..	79	20	188	Compound ..	" ..	Home trade ..	2	2	..	..	
Kotiti ..	42	14	88	" ..	" ..	" ..	2	1	..	..	
Koutunui ..	98	26	126	" ..	Twin-screw	" ..	2	2	..	..	
Kowhai ..	404	128	503	Triple-expansion	Screw ..	" ..	5	3	..	..	
Kurow ..	1,564	333	1,623	" ..	" ..	Foreign trade ..	8	6	3	3	
Lady Eva ..	30	120	..	Oil-engine ..	" ..	Home trade ..	1	..	..	..	
Lady Moira ..	2	5	..	" ..	" ..	River limits ..	..	..	..	..	
La Mascotte ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
La Reine ..	6	20	..	" ..	" ..	" ..	..	..	..	..	
Lassie ..	3	6	..	" ..	" ..	" ..	..	..	..	..	
Laurel ..	3	10	..	" ..	" ..	" ..	..	..	..	..	
Lily ..	3	4	..	" ..	" ..	" ..	..	..	..	..	
Linda ..	3	9	..	" ..	" ..	" ..	..	..	..	..	
Lion (Pelorus S'nd)	2	5	..	" ..	" ..	" ..	..	..	..	..	
Lion (Hokianga) ..	3	5	..	" ..	" ..	" ..	..	..	..	..	
Lizette ..	21	..	..	" ..	" ..	" ..	..	..	..	..	
Lone Star ..	4	20	..	" ..	" ..	" ..	..	..	..	..	
Lorna ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
Loyalty ..	24	35	78	Compound ..	" ..	Home trade ..	1	1	..	..	Fishing-vessel.
Lyttelton (Ly'ton)	88	133	..	" ..	Twin-screw	River limits ..	..	..	..	..	
Magic ..	58	60	..	Oil-engine ..	" ..	Home trade ..	2	..	..	..	
Maheno ..	3,318	600	6,188	Turbine ..	" ..	Foreign trade ..	12	18	9	3	
Mahino ..	6	5	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Mahoe ..	14	56	..	" ..	" ..	Home trade ..	1	..	..	..	
Mahua ..	353	28	..	Compound ..	Twin-screw	River limits ..	..	..	..	..	
Mahurangi ..	95	80	..	" ..	Screw ..	" ..	..	..	..	..	
Maidi ..	12	11	..	" ..	" ..	" ..	..	..	..	..	
Majestic ..	3	7	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Makere ..	3	4	..	" ..	" ..	" ..	..	..	..	..	
Mako (Port Fitzroy)	4	12	..	" ..	" ..	" ..	..	..	..	..	
Mako (Napier) ..	247	65	413	Triple-expansion	" ..	Home trade ..	4	3	..	..	
Makuini ..	4	18	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Mana (Lyttelton)	51	90	..	Compound ..	Paddle	" ..	..	..	..	..	
*Mana (Wellington)	77	25	..	" ..	Screw ..	Home trade ..	2	2	..	..	
Manai ..	630	104	1,224	Triple-expansion	Twin-screw	" ..	7	3	2	3	
Mangakura ..	6	9	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Manuka ..	3	6½	..	Compound ..	" ..	" ..	..	..	..	..	Launch.
Manukau ..	4	30	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Manukotuku ..	3	16	..	" ..	" ..	" ..	..	..	..	..	
Manurere ..	..	3½	..	Quadruple-exp'n.	" ..	" ..	..	..	..	..	
Manuwai ..	94	30	..	Non-condensing	Stern-wheel	" ..	..	..	..	..	
Manuwai ..	15	50	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Maori (Auckland)	5	28	..	" ..	" ..	" ..	..	..	..	..	
Maori (Dunedin) ..	1,445	5,600	..	Turbine ..	Triple-screw	Home trade ..	8	15	9	3	
Maori (Picton) ..	6	8	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Maori (Riverton) ..	3	5	..	" ..	" ..	" ..	..	..	..	..	
Maori (Taupo) ..	2	5	..	" ..	" ..	" ..	..	..	..	..	
Mapourika ..	718	130	1,248	Triple-expansion	" ..	Home trade ..	7	3	2	3	
Marama ..	3,952	1,500	4,252	" ..	Twin-screw	Foreign trade ..	13	12	6	3	
Maranui ..	4	5	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Mararoa (Dunedin)	1,381	530	3,027	Triple-expansion	" ..	Home trade ..	8	9	6	3	
Mararoa (Rotorua)	2	6	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Margaret ..	2	12	..	" ..	" ..	" ..	..	..	..	..	
Maribel ..	6	16	..	" ..	" ..	" ..	..	..	..	..	
Maritano ..	6	14	..	" ..	" ..	" ..	..	..	..	..	
Marokopa ..	6	32	..	" ..	Twin-screw	Home-trade ..	1	..	..	..	
Maroro ..	5	8	..	" ..	Screw ..	River limits ..	..	..	..	..	
Mary ..	5	7	..	" ..	" ..	" ..	..	..	..	..	
Mary Ellen ..	10	8	..	" ..	" ..	Home trade ..	1	..	..	..	
Mascotte (W'g'nui)	..	6	..	" ..	" ..	River limits ..	..	..	..	..	
Mascotte (Mercer)	..	5	..	" ..	" ..	" ..	..	..	..	..	
Matakokiri ..	3	9	..	" ..	" ..	" ..	..	..	..	..	
Matarere ..	..	2	..	Compound ..	" ..	" ..	..	..	..	..	

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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.	Crewmen.	
Matariki (Lytt'lton)	4	10	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Matariki (Tuakau)	3	6	..	" ..	" ..	" ..	..	..	..	..	
Matea ..	2	5	..	" ..	" ..	" ..	..	..	..	..	
Matuku ..	..	4	..	Non-condensing	" ..	" ..	..	..	..	..	
Maudie II ..	2	20	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Maui (Dredge) ..	251	80	565	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Mavis (Dunedin) ..	3	10	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Mavis (Onehunga) ..	2	6	..	" ..	" ..	" ..	..	..	..	..	
Mavis (Stewart Is.)	4	5	..	" ..	" ..	" ..	..	..	..	..	
Mavora ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
Mawhera (Dredge)	292	168	..	Triple-expansion	Twin-screw	" ..	..	..	..	..	
* May (Awanui) ..	2	4	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
May (Wanganui) ..	1	4	..	" ..	" ..	" ..	..	..	..	..	
May Howard ..	35	45	..	" ..	" ..	Home trade ..	2	..	..	..	
M.C. ..	3	6	..	" ..	" ..	River limits ..	..	..	..	..	
Media ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
Melville ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
Mere Mere ..	..	3	..	Non-condensing	" ..	" ..	..	..	..	..	
Merita ..	3	8	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Merlin (Foxton) ..	4	4	..	Compound	" ..	" ..	..	..	..	..	
Merlin (Picton) ..	3	5	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Mermaid (Adm'lty Bay)	4	10	..	" ..	" ..	" ..	..	..	..	..	
Mermaid (Wairoa)	3	..	..	" ..	" ..	" ..	..	..	..	..	
Midlothian (Bl'n'm)	5	10	..	" ..	" ..	" ..	..	..	..	..	
Milly ..	5	30	..	" ..	" ..	" ..	..	..	..	..	
Minerva ..	20	14	..	Compound	" ..	" ..	..	..	..	..	
Miro ..	3	4	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Mizpah ..	4	20	..	" ..	" ..	" ..	..	..	..	..	
Moa ..	..	4	..	" ..	" ..	" ..	..	..	..	..	
Moana (Dunedin)	2,415	372	3,757	Tripe-expansion	" ..	Foreign trade	10	9	6	3	
Moana (Picton) ..	4	8	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Moana (Tryphena)	2	4½	..	" ..	" ..	" ..	..	..	..	..	
Moata ..	3	5	..	" ..	" ..	" ..	..	..	..	..	
Moerangi ..	5	16	..	" ..	" ..	" ..	..	..	..	..	
Mona ..	2	5	..	" ..	" ..	" ..	..	..	..	..	
Monica (Moana) ..	3	12	..	" ..	" ..	" ..	..	..	..	..	
Monica II (Ly'ton)	29	20	..	Compound	" ..	" ..	..	..	..	..	
Monowai ..	2,137	290	2,615	Triple-expansion	" ..	Home trade ..	10	9	6	3	
Morning Light ..	92	100	..	Oil-engine ..	" ..	" ..	2	..	..	..	
Mororo ..	2	5	..	" ..	" ..	River limits ..	..	..	..	..	
Mountaineer ..	66	50	..	Compound	Paddle ..	" ..	..	..	..	..	
Muriel (Napier) ..	22	18	116	" ..	Screw ..	" ..	1	2	..	..	
Muriel ..	4	16	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Muribiku (Dredge)	369	70	522	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Muritai ..	3	5	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Nada ..	1	6	..	" ..	" ..	" ..	..	..	..	..	
Namu ..	2	5	..	" ..	" ..	" ..	..	..	..	..	
Natone ..	50	24	..	Compound	" ..	" ..	..	..	..	..	
Naumai (Auckland)	29	12	..	" ..	" ..	" ..	..	..	..	..	
Naumai (Kawhia)	5	9	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Nautilus ..	6	6	..	" ..	" ..	" ..	..	..	..	..	
Navua ..	1,813	220	1,937	Triple-expansion	Twin-screw	Foreign trade	9	6	3	3	
Nellie (Auckland)	3	8	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Nellie (Wanganui)	4	10	..	" ..	Twin-screw	" ..	..	..	..	..	
Nellie Mason ..	14	15	..	" ..	Screw ..	" ..	..	..	..	..	
Neptune ..	4	14	..	" ..	" ..	" ..	..	..	..	..	
New Zealand ..	4	1½	..	Non-condensing	" ..	" ..	..	..	..	..	
Ngahere ..	556	118	745	Triple-expansion	" ..	Home trade ..	5	3	..	..	
Ngakuta ..	944	248	1,236	" ..	" ..	Foreign trade	6	3	2	3	
Ngapuhi ..	299	160	721	" ..	Twin-screw	Home trade ..	5	3	..	..	
Ngaru ..	3	6	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Ngatea ..	6	14	..	Non-condensing	" ..	" ..	..	..	..	..	
Ngatiawa ..	220	55	413	Triple-expansion	Twin-screw	Home trade ..	5	3	..	..	
Ngatoro ..	584	118	753	" ..	Screw ..	" ..	5	3	..	..	
Ngairo ..	139	52	..	" ..	Screw each end	River limits ..	..	..	..	..	
Niagara ..	4	14	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Nicola ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
Nikau ..	98	55	274	Compound	Twin-screw	Home trade ..	2	3	..	..	
Nile ..	18	12	..	" ..	Screw ..	" ..	1	1	..	..	
Nimrod ..	3	12	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Nita (Nelson)	6	10	..	" ..	" ..	" ..	..	..	..	..	
Nita (Baglan)	3	5	..	" ..	" ..	" ..	..	..	..	..	
Nora Niven ..	66	35	187	Triple-expansion	" ..	Home trade ..	2	2	..	..	
Norma ..	5	20	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Northumberland ..	3	10	..	" ..	" ..	" ..	..	..	..	..	

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							Able Seamen.	Firemen.	Trim- mers.	Greasers.	
Nydia ..	1	4	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Ocean Gift ..	3	8	..	" ..	" ..	" ..	..	..	..	..	
*Oei ..	5	7	..	" ..	" ..	" ..	..	..	..	..	
Ohura ..	34	25	..	Condensing ..	Twin-screw	" ..	..	..	..	..	
Oleo ..	5	20	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Olivene ..	4	18	..	" ..	" ..	" ..	..	..	..	..	
Omana (Auckland)	49	14	..	Compound ..	" ..	" ..	..	..	..	..	
Omana ..	3	16	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Omokoroa ..	6	15	..	" ..	" ..	" ..	..	..	..	..	
Oneroa ..	29	15	..	Compound ..	" ..	" ..	..	..	..	..	
Onewa ..	31	15	..	" ..	" ..	" ..	..	..	..	..	
Ongarue ..	9	45	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Opala ..	5	23	..	" ..	" ..	" ..	..	..	..	..	
Oparau ..	5	5	..	" ..	" ..	" ..	..	..	..	..	
Opawa ..	64	18	84	Compound ..	" ..	Home trade ..	2	1	..	..	
Opoutia ..	..	5	..	" ..	" ..	River limits ..	..	..	..	..	
Oranga ..	4	16	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Orepuki ..	226	78	407	Compound ..	" ..	Home trade ..	4	3	..	..	
Orewa ..	37	17	..	" ..	" ..	River limits ..	..	..	..	..	
Oropi ..	12	16	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Osprey (Auckland)	138	70	..	Compound ..	Paddle ..	" ..	..	..	..	..	
Osprey (Raglan) ..	1	4	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Otunui ..	12	75	..	" ..	" ..	" ..	..	..	..	..	
Paloona ..	1,735	443	2,195	Triple-expansion	" ..	Foreign trade ..	9	9	3	3	
Parenga ..	4	6	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Paritutu (Dredge)	233	90	648	Triple-expansion	Twin-screw	" ..	..	..	..	..	
Paroto ..	57	120	..	Oil-engine ..	" ..	Home trade ..	2	..	..	..	
Pateena ..	550	250	1,973	Compound ..	Screw ..	" ..	6	6	3	3	
Patiti ..	..	15	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Pauline ..	3	7½	..	" ..	" ..	" ..	..	..	..	..	
Pearl ..	2	14	..	" ..	" ..	" ..	..	..	..	..	
Pearl Kasper ..	25	22	..	" ..	" ..	Home trade ..	1	..	..	..	
Peerless ..	4	26	..	" ..	Screw ..	River limits ..	..	..	..	..	
Pelican ..	1	57	256	Triple-expansion	Twin-screw	Home trade ..	1	3	..	..	
Peregrine ..	162	52	..	" ..	Screw each end	River limits ..	..	..	..	..	
Pet ..	6	..	..	Oil-engine ..	Twin-screw	" ..	..	..	..	..	
Petrel (Auckland)	6	15	..	" ..	" ..	" ..	..	..	..	..	
Petrel (Picton) ..	3	20	..	" ..	Screw ..	" ..	..	..	..	..	
*Phyllis (Te Kopuru)	5	2	..	Compound ..	" ..	" ..	..	..	..	..	
Phyllis (Hokitika)	1	3	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Phyllis (Russell) ..	4	15	..	" ..	" ..	" ..	..	..	..	..	
Pihinga ..	3	5	..	" ..	" ..	" ..	..	..	..	..	
Pilot (Auckland) ..	5	18	..	" ..	" ..	" ..	..	..	..	..	
Pilot (Dunedin) ..	5	12	..	" ..	" ..	" ..	..	..	..	..	
Pilot ..	27	15	..	Triple-expansion	" ..	" ..	..	..	..	..	
Pioneer ..	1	4	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Pitoitoti ..	34	20	..	Compound ..	" ..	" ..	..	..	..	..	
Pleiades ..	3	12	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Plucky ..	29	40	259	Compound ..	" ..	Home trade ..	1	3	..	..	
Pohereua ..	749	128	717	Triple-expansion	" ..	" ..	6	3	..	..	
Pono ..	30	52	..	Oil-engine ..	Twin-screw	River limits ..	..	..	..	..	
Presto ..	..	3	..	Compound ..	Screw ..	" ..	..	..	..	..	
Pretoria ..	1	8	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Princess ..	5	5	..	" ..	" ..	" ..	..	..	..	..	
P.W.D. ..	2	10	..	" ..	" ..	" ..	..	..	..	..	
Pukeore ..	4	7	..	" ..	" ..	" ..	..	..	..	..	
Pupuke ..	68	50	..	Compound ..	Screw each end	" ..	..	..	..	..	
Purau ..	33	30	..	" ..	Twin-screw	" ..	..	..	..	..	
Putiki ..	168	60	321	" ..	" ..	Home trade ..	4	3	..	..	
Queen ..	2	6	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Queen of Beauty ..	4	16	..	" ..	" ..	" ..	..	..	..	..	
Queen of the South	121	40	176	Compound ..	" ..	Home trade ..	4	2	..	..	
Rainbow ..	4	18	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Rakino ..	3	8	..	Compound ..	" ..	" ..	..	..	..	..	
Rakiura ..	13	10	..	Oil-engine ..	" ..	Home trade ..	1	..	..	..	Fishing-vessel.
Rangi ..	5	8	..	" ..	" ..	" ..	..	..	..	..	
Rangiora ..	3	7	..	" ..	" ..	" ..	..	..	..	..	
Rarawa ..	460	140	1,104	Triple-expansion	Twin-screw	Home trade ..	6	3	2	3	
Rauparaha ..	1½	4½	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Redwing ..	5	12	..	" ..	" ..	" ..	..	..	..	..	
Regal ..	2	10	..	" ..	" ..	" ..	..	..	..	..	
Regulus ..	232	150	694	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Reliance ..	4½	12	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Reo ..	6	32	..	" ..	" ..	" ..	..	..	..	..	
Rere ..	4	5	..	" ..	" ..	" ..	..	..	..	..	
Reremoana ..	14	50	..	" ..	" ..	" ..	..	..	..	..	

* 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.	
Revenge ..	6	14	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Rhodesian ..	4	7	..	" ..	" ..	" ..	..	..	..	..	
Rialto ..	4	16	..	" ..	" ..	" ..	..	..	..	..	
Rimu ..	6	16	..	" ..	" ..	" ..	..	..	..	..	
Rimu ..	145	95	516	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Ripple ..	187	80	270	"	Screw ..	"	4	2	..	..	
Rita ..	..	10	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Riverton ..	5	8	..	" ..	" ..	" ..	..	..	..	..	
Roko ..	3	12	..	" ..	" ..	" ..	..	..	..	..	
Ronaki (Huntly) ..	4	8	..	" ..	" ..	" ..	..	..	..	..	
Ronaki (Auckland)	4½	5	..	" ..	" ..	" ..	..	..	..	..	
Rosa ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
Rosamond ..	462	90	441	Compound	" ..	Home trade ..	5	3	..	..	
Rose (Kaiapoi) ..	4	15	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Rose (Tangiteroria)	3	10	..	" ..	" ..	" ..	..	..	..	..	
Rose (Ngunguru)	1½	4	..	" ..	" ..	" ..	..	..	..	..	
Rose (Whangarei)	4	10	..	" ..	" ..	" ..	..	..	..	..	
Rotoiti ..	5	30	..	" ..	" ..	" ..	..	..	..	..	
Rotokohu ..	11	8	..	Compound	" ..	" ..	..	..	..	..	
Rotongaro ..	4	24	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Rotorua No. 1 ..	..	1½	..	" ..	" ..	" ..	..	..	..	..	
Ruahine ..	5	12	..	" ..	" ..	" ..	..	..	..	..	
Ruawai ..	177	52	..	Compound	" ..	" ..	..	..	..	..	
Ruby ..	3	8	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Ruru (Auckland) ..	14	10	..	Compound	" ..	" ..	..	..	..	..	
Ruru (Napier) ..	62	50	213	" ..	" ..	Home trade ..	2	2	..	..	
Ruruhau ..	10	12	..	Oil-engine ..	" ..	" ..	..	..	..	..	Fishing-vessel.
Sambo ..	5	40	..	" ..	" ..	River limits ..	..	..	..	..	
Samson ..	4	16	..	" ..	" ..	" ..	..	..	..	..	
Savaii ..	10	16	64	Condensing	" ..	Home trade ..	..	..	..	..	Fishing-vessel.
Scarboro ..	5	10	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Sea Breeze ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
Seamew ..	2	6	..	" ..	" ..	" ..	..	..	..	..	
Sea Queen I ..	10	25	..	" ..	" ..	" ..	..	..	..	..	
Secret ..	4	10	..	" ..	" ..	" ..	..	..	..	..	
Settler ..	6	18	..	" ..	" ..	" ..	..	..	..	..	
*Shamrock ..	60	120	..	" ..	Twin-screw	Home trade ..	2	..	..	..	
Shamrock Leaf ..	6	20	..	" ..	Screw ..	River limits ..	..	..	..	..	
Sierra ..	5	16	..	" ..	" ..	" ..	..	..	..	..	
Silver Bell ..	2	7	..	" ..	" ..	" ..	..	..	..	..	
Silver Cloud ..	3	10	..	" ..	" ..	" ..	..	..	..	..	
Simplon ..	70	75	..	Compound	" ..	Home trade ..	2	1	..	..	
Sir William Wallace	30	20	..	" ..	" ..	River limits ..	..	..	..	..	
Sneaker ..	6	5	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Sokol ..	7	10	..	" ..	" ..	" ..	..	..	..	..	
Sonoma (Hokianga)	4	10	..	" ..	" ..	" ..	..	..	..	..	
Sonoma (Rotorua)	2	4	..	" ..	" ..	" ..	..	..	..	..	
Sparrowhawk ..	98	32	..	Compound	Screw each end	River limits ..	..	..	..	..	
Special ..	5	16	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Speedy ..	3	5	..	" ..	" ..	" ..	..	..	..	..	
Spray ..	2	8	..	" ..	" ..	" ..	..	..	..	..	
Sterling (Auckland)	4	28	..	" ..	" ..	" ..	..	..	..	..	
Sterling (Hokianga)	3	12	..	" ..	" ..	" ..	..	..	..	..	
St. George ..	2	8	..	" ..	" ..	" ..	..	..	..	..	
Storm ..	186	70	276	Compound	" ..	Home trade ..	4	3	..	..	
Stranger ..	4	12	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Sybil (Tauranga) ..	6	30	..	" ..	" ..	" ..	..	..	..	..	
Sybil (Hokianga) ..	1	5	..	" ..	" ..	" ..	..	..	..	..	
Sylvia ..	4	9	..	" ..	" ..	" ..	..	..	..	..	
*Tahawai ..	9	14	..	" ..	" ..	" ..	..	..	..	..	
Taheke ..	..	12	..	" ..	" ..	" ..	..	..	..	..	
Tahuna ..	312	..	..	" ..	" ..	" ..	..	..	..	..	
Tainui ..	59	24	146	Compound	" ..	Home trade ..	2	2	..	..	
Tainui (Kohanga)	2	6	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Tai Nui ..	5	30	..	" ..	" ..	" ..	..	..	..	..	
Talune ..	1,370	255	1,592	Triple-expansion	" ..	Foreign trade	8	6	3	3	
Tanfield Lea ..	3	12	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Taniwha ..	191	40	..	Compound	Twin-screw	" ..	..	..	..	..	
Tapuwae ..	4	15	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Tarawera ..	1,241	250	1,404	Compound	" ..	Home trade ..	8	6	3	3	
Tarawai ..	11	11	..	Condensing	" ..	River limits ..	..	..	..	..	
Tasman ..	87	45	191	Compound	Twin-screw	Home trade ..	2	2	..	..	
Tauri ..	6	16	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Tawera (Auckland)	44	40	..	" ..	" ..	" ..	..	..	..	..	
Tawera (Auckland)	11	11	..	Non-condensing	" ..	" ..	..	..	..	..	
Tawera (L. Te Anau)	..	25	..	Compound	" ..	" ..	..	..	..	..	
Te Anau ..	957	250	1,162	" ..	" ..	Foreign trade	6	3	2	3	

* Surveyed twice.

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

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Te Aroha ..	57	85	..	Oil-engine ..	Twin-screw	Home trade ..	2	..	..	..	
Te Awahina ..	87	99	420	Triple-expansion	"	"	2	3	..	..	
Te Kooti ..	2	5	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Tempest ..	3	10	..	" ..	" ..	" ..	..	..	..	..	
Te Pioneer ..	25	13	..	Compound ..	" ..	" ..	..	..	..	..	
Tepua ..	3	10	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Terawhiti ..	102	99	846	Triple-expansion	" ..	Home trade ..	4	3	2	3	
Teriruka ..	4	6	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Te Teko ..	56	120	..	" ..	" ..	Home trade ..	2	..	..	..	
Te Toa ..	8	70	..	" ..	Twin-screw	River limits ..	..	..	..	..	
Te Whaka (Dredge)	141	45	..	Compound ..	Screw ..	" ..	..	..	..	..	
Te Wharu ..	3	7	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Te Wiremu ..	4	14	..	" ..	" ..	" ..	..	..	..	..	
Thelma ..	3	5	..	" ..	" ..	" ..	..	..	..	..	
The Minerva ..	20	14	..	Compound ..	Twin-screw	" ..	..	..	..	..	
The Pines ..	1	2	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Theresa Ward ..	9	95	476	Triple-expansion	" ..	Home trade ..	1	3	..	..	
Thistle (Kaiapoi) ..	4	5	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Thistle (Moana) ..	1	4	..	" ..	" ..	" ..	..	..	..	..	
*Thistle (Wellingt'n)	77	90	..	" ..	Twin-screw	" ..	..	..	..	..	
Thomas King ..	70	16	..	Compound ..	Screw ..	" ..	..	..	..	..	
Tiki ..	10	..	70	" ..	" ..	" ..	..	..	..	..	
Tikitere ..	3	8	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Tiroa ..	93	31	..	" ..	" ..	" ..	..	..	..	..	
Tofua ..	2,634	345	3,431	Triple-expansion	Twin-screw	Foreign trade	11	9	6	3	
Togo ..	..	14	..	Compound ..	" ..	River limits ..	..	..	..	..	
Toiler ..	15	13½	..	" ..	Screw ..	" ..	..	..	..	..	
Toitoti ..	5	18	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Tongariro ..	9	8	..	Compound ..	" ..	" ..	..	..	..	..	
Torea ..	24	60	..	Oil-engine ..	Twin-screw	" ..	..	..	..	..	
Tot ..	6	16	..	" ..	Screw ..	" ..	..	..	..	..	
Tuatea ..	4	8	..	" ..	" ..	" ..	..	..	..	..	
Tuatu ..	20	60	..	" ..	Twin-screw	" ..	..	..	..	..	
Tui (Auckland) ..	20	6½	..	Compound ..	Screw ..	" ..	..	..	..	..	
Tui (Rawene) ..	2	5	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Tuirangi ..	72	22	..	Triple-expansion	" ..	" ..	..	..	..	..	
Tukua ..	6	28	..	Oil-engine ..	" ..	Home trade ..	1	..	..	..	
Tutanekai ..	2	8	..	" ..	" ..	River limits ..	..	..	..	..	
Uira ..	4	3	..	Non-condensing	" ..	" ..	..	..	..	..	
Ulimaroa ..	2,986	506	5,410	Triple-expansion	Twin-screw	Foreign trade	11	15	9	3	
Undine ..	5	10	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Uta ..	23	50	..	" ..	" ..	" ..	..	..	..	..	
*Ventura ..	3	7	..	" ..	" ..	" ..	..	..	..	..	
Vera ..	4	16	..	" ..	" ..	" ..	..	..	..	..	
Vesper ..	20	32	..	" ..	Twin-screw	Home trade ..	1	..	..	..	
*Victory (Auckland)	17	30	..	" ..	" ..	River limits ..	..	..	..	..	
Victory (Helsens'le)	4	14	..	" ..	Screw ..	" ..	..	..	..	..	
Victory (Hokianga)	3	8	..	" ..	" ..	" ..	..	..	..	..	
Viking ..	5	14	..	" ..	" ..	" ..	..	..	..	..	
Viola ..	3	15	..	" ..	" ..	" ..	..	..	..	..	
Waiharoa ..	5	25	..	" ..	" ..	" ..	..	..	..	..	
Waihora ..	2,993	410	1,778	Triple-expansion	" ..	Foreign trade	10	6	3	3	
Wai-iti ..	5	47	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Waikana ..	67	200	..	Compound ..	Twin-screw	" ..	..	..	..	..	
Waikare ..	1	4	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
*Waikato ..	6	10	..	" ..	" ..	" ..	..	..	..	..	
Waima ..	6	20	..	" ..	" ..	" ..	..	..	..	..	
Waimarie (A'kland)	159	48	..	Compound ..	Twin-screw	" ..	..	..	..	..	
Waimarie (W'gton)	53	20	..	Non-condensing	Paddle ..	" ..	..	..	..	..	
Waimaea ..	207	100	496	Triple-expansion	Twin-screw	Home trade ..	4	3	..	..	
Wainui (Akaroa) ..	5	10	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Wainui (Picton) ..	2	5	..	" ..	" ..	" ..	..	..	..	..	
Waioma ..	4	12	..	" ..	" ..	" ..	..	..	..	..	
Waione ..	48	80	..	Compound ..	Twin-screw	" ..	..	..	..	..	
Wai-ora ..	3	15	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Waiora ..	..	75	..	" ..	" ..	" ..	..	..	..	..	
Waiotahi ..	167	56	351	Compound ..	Twin-screw	Home trade ..	4	3	..	..	
Waipu ..	76	50	236	" ..	" ..	" ..	2	2	..	..	
Waipuna ..	2	7	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Wairau ..	59	20	140	Compound ..	" ..	Home trade ..	2	2	..	..	
Waireka (Dunedin)	72	49	..	Triple-expansion	Twin-screw	River limits ..	..	..	..	..	
Waireka (Russell)	3	5	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Waireka (Wanganui)	5	45	..	" ..	" ..	" ..	..	..	..	..	
Wairere ..	41	25	..	Non-condensing	Paddle ..	" ..	..	..	..	..	
Wairoa (Auckland)	49	40	134	Compound ..	Screw ..	Home trade ..	2	2	..	..	
Wairoa (Nelson) ..	48	16	..	" ..	" ..	" ..	2	1	..	..	

* Surveyed twice.

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

Name of Vessel.	Tons Register.	Nominal Horse-power of Steam-engines and Brake Horse-power of Oil-engines.	Indicated Horse-power of Steam-engines.	Nature of Engines.	Nature of Propeller.	Class of Certificate.	Minimum Number of following Classes of Crew Law requires to be carried.				Remarks.
							Able Seamen.	Firemen.	Trimmers.	Greasers.	
Wairua ..	..	70	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Wairuna ..	2,530	396	2,071	Triple-expansion ..	" ..	Foreign trade ..	10	9	3	3	
Waitangi ..	32	60	..	Compound ..	" ..	Home trade ..	1	3	..	..	
Waitata ..	2	4	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Waitemata (Auckland)	18	150	..	" ..	Twin-screw ..	" ..	..	..	..	..	
Waitemata (London)	3,459	258	2,389	Compound ..	Screw ..	Foreign trade ..	11	9	3	3	
* Waitohi ..	18	10	..	" ..	" ..	River limits ..	..	..	..	..	
Waitomo ..	2,719	372	1,604	Triple-expansion ..	" ..	Foreign trade ..	10	6	3	3	
Waiuku ..	49	200	..	Oil-engine ..	Twin-screw ..	River limits ..	..	..	..	..	
Wakapai ..	..	10	..	Compound ..	Screw ..	" ..	..	..	..	..	
Wakatere (A'kl'nd)	176	140	..	" ..	Paddle ..	" ..	..	..	..	..	
Wakatere (Raglan)	4	5	..	Oil-engine ..	Screw ..	" ..	..	..	..	..	
Wakatu ..	95	30	134	Compound ..	" ..	Home trade ..	2	2	..	..	
Wallace ..	60	50	..	Non-condensing ..	" ..	River limits ..	..	..	..	..	
Wanaka ..	1,572	280	1,235	Triple-expansion ..	" ..	Foreign trade ..	8	3	2	3	
* Wanderer ..	23	..	..	Oil-engine ..	" ..	Home trade ..	1	..	..	..	
Waterlily ..	29	20	..	" ..	" ..	" ..	1	..	..	..	
Waverley ..	93	25	92	Compound ..	Twin-screw ..	" ..	2	1	..	..	Fishing-vessel.
Weka (Napier) ..	53	20	80	" ..	Screw ..	" ..	2	1	..	..	
Wetere ..	41	22	..	" ..	" ..	River limits ..	..	..	..	..	
Whakarapa ..	2	5	..	Oil-engine ..	" ..	" ..	..	..	..	..	
Whakarire (Dredge)	449	120	642	Compound ..	Twin-screw ..	Home trade ..	5	3	..	..	
Whakarongotai ..	2	10	..	Oil-engine ..	Screw ..	River limits ..	..	..	..	..	
Whangape ..	1,900	280	1,147	Triple-expansion ..	" ..	Foreign trade ..	8	3	2	3	
Whanui ..	3	5	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	
Wild Rose ..	3	7	..	" ..	" ..	" ..	..	..	..	..	
Willochra ..	4,531	626	4,128	Triple-expansion ..	Twin-screw ..	Foreign trade ..	15	12	6	3	
Will Watch ..	48	45	..	Oil-engine ..	Screw ..	Home trade ..	2	..	..	..	
Wootton ..	90	33	132	Compound ..	" ..	" ..	2	2	..	..	
Young Bungaree ..	2	35	..	" ..	" ..	" ..	1	2	..	..	
Zephyr ..	4	7	..	Oil-engine ..	" ..	River limits ..	..	..	..	..	

* Surveyed twice.

RETURN of SAILING-VESSELS SURVEYED DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1918,
WITH PARTICULARS OF TONNAGE, ETC.

Name of Vessel.	Tons Measurement.		Class of Certificate.	Minimum Number of Seamen required by Law to be carried.		
	Gross.	Register.		Able Seamen.	Ordinary Seamen.	Apprentices or Boys.
Agnes Martin	41	41	Restricted limits	2	..	..
Alert	141	98	Home trade ..	2	1	..
Alma	62	23	" ..	1	..	..
Altair	63	57	Restricted limits	2	..	..
Antiope	1,508	1,380	Foreign trade	10	2	3
Aratapu	123	106	" ..	4	..	1
Awanui	92	85	Home trade ..	2	1	..
Clio	81	81	" ..	2	1	..
Combine	56	24	" ..	1	..	..
Dandy	105	82	" ..	2	1	..
Deveron	26	26	" ..	1	..	..
Dominion	38	25	" ..	1	..	..
Edna	22	22	Restricted limits	1	..	..
Elsie Mary	130	99	Home trade ..	2	1	..
Esme	33	20	Restricted limits	1	..	..
Ethel Wells	33	19	Home trade ..	1	..	..
Gannet	25	25	" ..	1	..	..
Haere	127	99	" ..	2	1	..
Hazel Repton	149	142	" ..	4	..	1
Herald	83	73	" ..	2	1	..
Houto	142	78	" ..	2	1	..
Huia	28	20	" ..	1	..	..
Huon Belle	43	43	Restricted limits	2	..	..
Ida	29	25	" ..	1	..	..
Ilma	345	308	Foreign trade	6	1	1
Irene	37	30	Restricted limits	1	..	..
Jane Gifford	34	20	Home trade ..	1	..	..
Katie S.	34	20	Restricted limits	1	..	..
Kitty Fraser	47	25	" ..	1	..	..
Kiwi	22	20	" ..	1	..	..
Lady of the Lake	22	19	" ..	1	..	..
Laura	364	326	Foreign trade	6	1	1
Lily (Nelson)	16	16	Restricted limits	1	..	..
Lily (Lyttelton)	84	84	Home trade ..	2	1	..
Lyman D. Foster	862	782	Foreign trade	8	1	2
Maid of Italy	15	15	Restricted limits	1	..	..
Maggie	27	20	" ..	1	..	..
May	44	44	" ..	2	..	..
Moa	127	99	Home trade ..	2	1	..
Moonah	107	97	Foreign trade	2	1	..
Ngaru	73	66	Home trade ..	2	1	..
Nor'west	29	18	" ..	1	..	..
Oban	39	24	" ..	1	..	..
Onerahi	47	25	" ..	1	..	..
Pahiki	25	20	Restricted limits	1	..	..
Ranger	65	64	Home trade ..	2	1	..
Rangi	99	86	" ..	2	1	..
Raupo	710	683	Foreign trade	8	1	2
Rewa	7	7	Restricted limits	1	..	..
*Rira	117	95	Foreign trade	2	1	..
Rona	694	610	" ..	8	1	2
Rothsay Bay	762	699	" ..	8	1	2
Saucy Kate	41	25	Home trade ..	1	..	..
*Scot	26	18	" ..	1	..	..
Seagull	95	25	" ..	1	..	..
Sunderland	24	20	Restricted limits	1	..	..
Talisman	94	68	" ..	2	1	..
The Lee	23	19	" ..	1	..	..
Thistle	27	23	" ..	1	..	..
Vindex	41	23	Home trade ..	1	..	..
Violet	24	20	Restricted limits	1	..	..
Waikonini	68	23	Home trade ..	1	..	..
Wanganui	352	309	Foreign trade	6	1	1
Ysabel	149	149	" ..	4	..	1

* Surveyed twice.

LIST OF BOYS WHO HAVE SERVED ON THE TRAINING-SHIP "AMOKURA" DURING THE YEAR ENDED
31ST MARCH, 1918.

Name.	Date of Joining.	Date of Discharge.	Occupation taken up on Discharge.
Thomson, C. W.	1/6/15	4/5/17	Joined s.s. "Arahura" as O.S.
Lowry, H. F.	23/7/15	21/5/17	" s.s. "Kokiri" as O.S.
Cook, J. W.	21/9/15	30/5/17	" s.s. "Kamo" as O.S.
Bax, J. H.	21/9/15	31/5/17	" s.s. "Kahika" as O.S.
Retter, G. P.	21/9/15	1/6/17	" s.s. "Kaitoa" as O.S.
Smith, C. R.	24/9/15	1/6/17	" s.s. "Wimmera" as O.S.
Conny, A. B.	28/9/15	26/5/17	" s.s. "Moana" as O.S.
Hughson, R. H.	13/10/15	7/6/17	" s.s. "Corinna" as O.S.
Raven, W. A.	12/10/15	5/6/17	" s.s. "Komata" as O.S.
Hughson, J. G. J.	24/1/16	17/9/17	" s.s. "Kini."
Morrison, H. McD.	26/1/16	11/8/17	" s.s. "Waipori" as O.S.
Kerr, James	25/1/16	3/9/17	" s.s. "Mapourika" as O.S.
Commerer, G. R.	25/1/16	21/8/17	" s.s. "Wimmera" as O.S.
Smith, P. S.	25/1/16	11/8/17	" s.s. "Kini" as O.S.
Martin, H. C.	25/1/16	11/8/17	" s.s. "Waipori" as O.S.
Monk, R. K.	25/1/16	29/8/17	" s.s. "Ngatoro" as O.S.
Jensen, C. L. H.	25/1/16	16/8/17	" s.s. "Nikau" as O.S.
Wells, H. C.	25/1/16	7/8/17	" s.s. "Kamo" as O.S.
Johnson, N. R.	26/1/16	4/10/17	" s.s. "Monowai" as O.S.
Eyles, M. J.	14/6/16	2/3/18	" s.s. "Kittawa" as O.S.
Rodda, L. J.	14/6/16	..	Still on board.
McKenzie, A. J.	15/6/16	14/1/18	Joined s.s. "Komata" as O.S.
Pringle, V. R.	15/6/16	15/12/17	" s.s. "Kamo" as O.S.
Meehan, N. P. J.	15/6/16	15/12/17	" s.s. "Kamo" as O.S.
Sellars, L. S. W.	15/6/16	23/2/18	" s.s. "Kamona" as O.S.
Subritsky, W. A.	15/6/16	6/12/17	" s.s. "Kini" as O.S.
Stubbing, F. F.	15/6/16	6/12/17	" s.s. "Kini" as O.S.
Worth, H. H.	16/6/16	25/2/18	" s.s. "Kamo" as O.S.
Eskrigge, H. L.	16/6/16	28/2/18	" s.s. "Karu" as O.S.
Finlayson, T. T.	17/6/16	29/1/18	" s.s. "Ngatiawa" as O.S.
Godfrey, Rex	15/8/16	..	Still on board.
Priar, V. T.	14/8/16	..	"
Longuet, V. A.	15/8/16	..	"
Cameron, G. G.	15/8/16	..	"
Fauchelle, L. P.	15/8/16	..	"
Irvine, A. L. R.	15/8/16	..	"
Park, Thomas	15/8/16	..	"
Whitlow, E. A.	19/8/16	..	"
Mathieson, J.	23/10/16	..	"
Sowter, E. W.	23/10/16	..	"
Barclay, W. A.	24/10/16	..	"
Thomson, G.	24/10/16	..	"
Brown, C. H. L.	24/10/16	..	"
Doubleday, E. W.	24/10/16	11/10/17	Purchased discharge.
Carter, A. E.	23/10/16	..	Still on board.
Hore, J. I.	24/10/16	..	"
Parker, K. W.	27/10/16	..	"
Robertson, F. N. B.	24/10/16	..	"
Derrick, G. W.	10/6/17	..	"
Amos, A. M.	11/6/17	..	"
Barnett, C. W.	11/6/17	..	"
Clements, J. E.	11/6/17	..	"
Ducker, R. D.	11/6/17	..	"
Mack, L. A.	11/6/17	..	"
McCallum, G. A.	11/6/17	..	"
McLennan, H. W.	11/6/17	..	"
Robb, C. T.	11/6/17	..	"
Thompson, D.	11/6/17	..	"
Kaye, J. E.	20/6/17	..	"
O'Callaghan, W.	4/7/17	..	"
Benson, H. R.	1/8/17	..	"
Gibson, F. W.	1/8/17	..	"
Ayers, R. H.	1/8/17	..	"
Meatyrd, E. G. K.	1/8/17	..	"
Fitzwilliam, E. G.	1/8/17	..	"
Todd, W. G. S.	1/8/17	..	"
Adams, W. E.	1/8/17	..	"
Bartle, O. J.	2/8/17	..	"
Ward, S. B.	6/8/17	..	"
McGregor, D. W.	19/10/17	..	"
Hawkins, L. I.	23/10/17	..	"
Fillingham, L. R.	23/10/17	..	"
McKay, J. F.	23/10/17	..	"
Hickey, R. C.	23/10/17	..	"
Bull, E. R.	23/10/17	..	"
Bradley, W. R.	24/10/17	..	"
Ham, C. E.	30/10/17	..	"
Shanks, J. A.	1/11/17	..	"
Hall, A. F.	1/11/17	..	"
Duncan, H. C.	7/3/18	..	"
Hancox, J. E.	7/3/18	..	"
Hobson, A.	7/3/18	..	"
Cranch, H. J.	7/3/18	..	"
Renner, F. J.	7/3/18	..	"
Ulph, F. C.	7/3/18	..	"
Kidson, J. W.	8/3/18	..	"
Tombs, A.	10/3/18	..	"
Ogden, C. E.	11/3/18	..	"
Sherman, G. L.	11/3/18	..	"

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, 1918.

Name of Seaman.	Balance to Credit of the Estate on 31st March, 1917.	Amount received.	Amount paid.	Balance to Credit of the Estate on 31st March, 1918.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
T. Lawler	0 17 5	..	0 17 5	..
J. Larsen	..	5 4 4	5 4 4	..
Caleb Anderson	..	10 14 8	..	10 14 8
K. Knight	..	0 5 0	0 5 0	..
Robert Wallace	..	7 8 1	..	7 8 1
Albert Abel	..	0 17 6	0 17 6	..
A. Mason	0 14 6	0 7 3	..	1 1 9
Peter Peterson	16 18 0	0 11 0	17 9 0	..
John Gourley	..	2 10 11	..	2 10 11
James T. Allan	8 14 0	..	8 14 0	..
Henry Simpson	7 7 3	..	7 7 3	..
A. Devere	..	15 16 5	..	15 16 5
Thomas Grubb	7 10 7	..	7 10 7	..
M. Donnelly	..	15 12 2	..	15 12 2
F. J. Black	..	5 12 8	..	5 12 8
James D. Hastie	..	13 16 3	..	13 16 3
William C. Oliver	..	47 17 2	47 17 2	..
Thomas Suttie	..	266 16 8	266 16 8	..
William Hancock	..	5 12 6	5 12 6	..
Edward Lockyer	..	97 18 0	25 19 6	71 18 6
Henry W. Wood	0 12 7	0 5 4	..	0 17 11
T. Bustin	..	11 17 4	11 17 4	..
Charles Geige	..	13 7 1	..	13 7 1
George Pevreal	..	3 10 10	3 10 10	..
Puleiki (Niue Native)	..	1 7 8	..	1 7 8
J. McLauchlan	..	3 14 8	..	3 14 8
James Johnston	8 16 4	..	..	8 16 4
	51 10 8	531 3 6	409 19 1	172 15 1

RETURN SHOWING AMOUNTS RECEIVED PRIOR TO 1ST APRIL, 1917, 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	Matheson, D., late A.B., "Kahu" ..	17 3 6
Bodoo X. Ellie Bux, Lascar, late of "Aparima" ..	10 8 10	Mays, J. J., late A.B., "Ngaru" ..	4 19 6
Collins, C., late steward, "Waitomo" ..	2 7 1	McRoberts, David, late A.B., "Waihora" ..	6 3 6
Doran, G., late trimmer, "Waihora" ..	18 8 7	Muller, J., late fireman, "Arahura" ..	26 15 0
Espada, E., late fireman, "Maunganui" ..	2 14 10	O'Sullivan, P., late trimmer, "Navua" ..	2 18 3
Gale, E., late A.B., "Penguin" ..	5 4 7	Owen, R. H., late A.B., "Waihemo" ..	32 14 3
Glancy, W., late A.B., "Titania" ..	2 9 2	Parry, R., late A.B., "Koromiko" ..	1 15 6
Harvey, C., late steward, "Mapourika" ..	4 14 8	Powell, R., late cook, "Karori" ..	10 3 11
Hedges, E., late A.B., "Kairaki" ..	1 5 4	Rawlins, A. W., boy, "Storm" ..	5 12 5
Hilditch, H. C., late fireman, "Ngahero" ..	6 3 5	Sluice, G., late cook, "Kurow" ..	0 7 6
Hollis, W., late A.B., "Kairaki" ..	1 5 4	Smith, A., late A.B., "Kairaki" ..	7 17 11
Hunter, J., late fireman, "Stormbird" ..	1 6 11	Warelin, F., late A.B., "Koromiko" ..	2 12 10
Kennedy, W., late A.B., "Moa" ..	1 3 2	Wadsworth, S., late A.B., "Eva" ..	2 15 4
Knudson, E., late 2nd mate, "Kairaki" ..	15 19 2	Ward, J., late fireman, "Penguin" ..	7 18 7
Kyle, R., late fireman, "Stormbird" ..	1 6 1	Wassell, R., late A.B., "Elsie Mary" ..	0 7 6
Larsen, Jacob, late A.B., "Houto" ..	5 2 8	Weightman, A., late cook, "Moana" ..	3 9 5
Lindsay, J., late A.B., "Wanderer" ..	1 0 8	West, John, late A.B., "Greyhound" ..	1 17 4
Make-atu, A., late cook, "Ngatiawa" ..	2 3 0	Williams, J., late cook, "Regulus" ..	3 17 0
Mason, E., late of "Maori" ..	1 11 6		

NEW ZEALAND WRECK CHART.

1st APRIL, 1917 to 31st MARCH, 1918.

Compiled from Official Records in
the MARINE DEPARTMENT.

SYMBOLS.

STRANDINGS.

× ----- Signifies a total loss.

COLLISIONS

† ----- Signifies a collision between two steamers.

OTHER CASUALTIES.

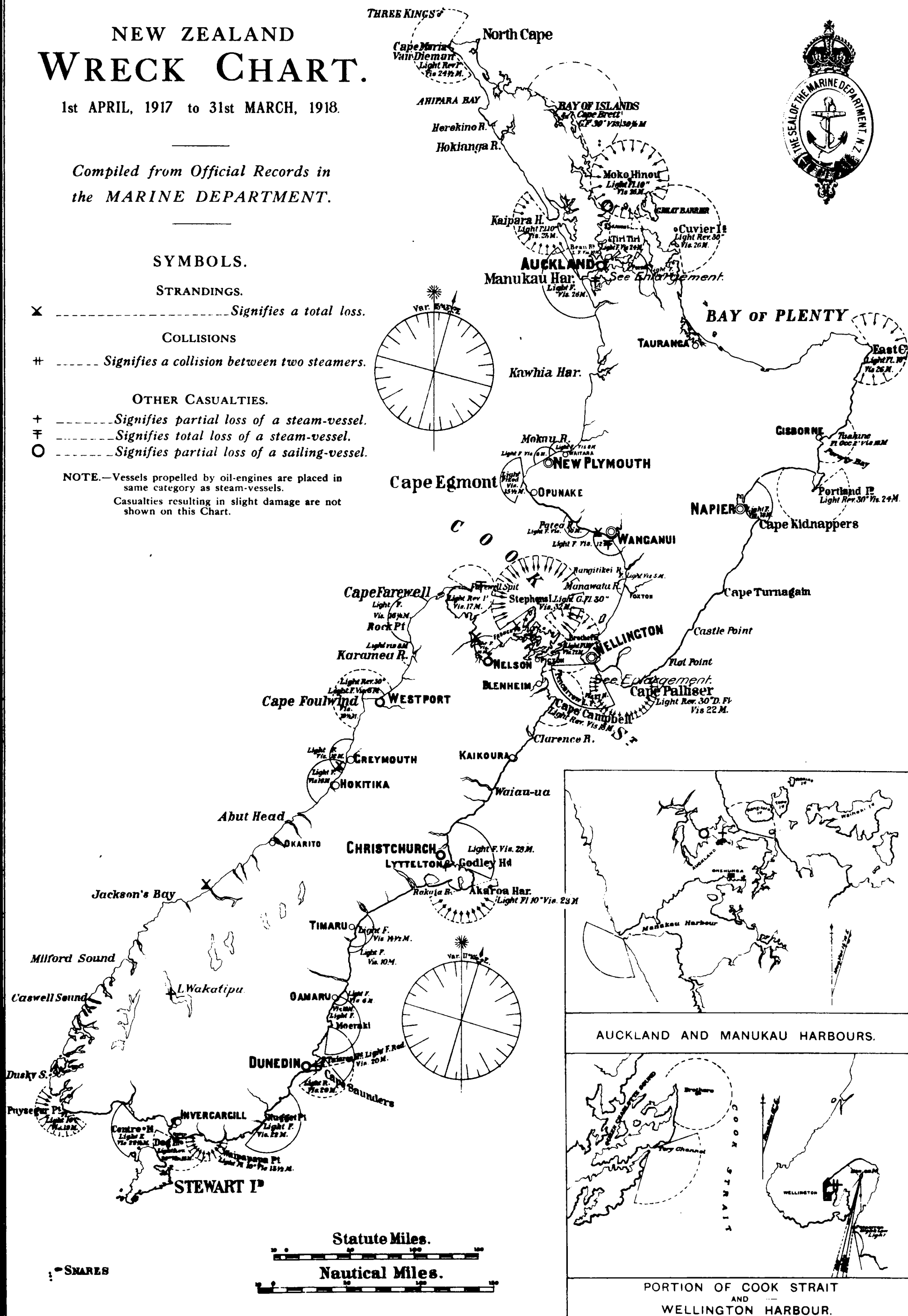
+ ----- Signifies partial loss of a steam-vessel.

⊢ ----- Signifies total loss of a steam-vessel.

○ ----- Signifies partial loss of a sailing-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.



10/11/54

10/11/54

10/11/54

10/11/54

10/11/54

10/11/54

10/11/54

10/11/54

10/11/54

10/11/54

10/11/54

10/11/54

RETURN OF WRECKS AND CASUALTIES TO SHIPPING REPORTED TO THE MARINE DEPARTMENT, FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Date of Casualty.	Vessel's Name, Age, and Class.	Rig.	Register Tonnage	Number of		Nature of		Number of Lives lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master
				Crew	Passengers.	Cargo.	Casualty.			Direction.	Force.		
1917.													
Mar. 3	Mountaineer, p.s., 38 years	Ferry-boat	66	8	..	..	Fire; damage, £300	..	Wharf, Queenstown ..	..	..	Whilst lying at the wharf the vessel was found to be on fire. No damage to hull or engines	J. Kennedy.
" 12	Talune, s.s., 27 years	Schooner	1,370	56	15	General	Stranded; damage, £400	..	Egeria Channel, Nukualofa	S.E.	Fr. breeze	When entering Egeria Channel vessel struck an uncharted pinnacle rock, and damaged her plates and frame	J. Morrison.
April 6	Flora, s.s., 35 years	Schooner	818	40	..	Fruit ..	Struck wharf; trifling damage	..	King's Wharf, Auckland	..	Calm ..	When berthing bumped against one of the piles and damaged a plate	L. C. Adkins.
" 16	Eagle, p.s., 31 years	Ferry-boat	138	4	30	..	Struck wharf; trifling damage	..	Ferry Wharf, Auckland	N.	Light ..	Bumped into the wharf when berthing ..	T. A. Lynch.
" 18	Wootton, s.s., 17 years	Schooner	90	11	..	Motor-cars	Collision; damage, £100	..	Wharf, Wellington ..	S.	Moderate	The "Queen of the South" was backing out from the wharf when a squall struck her and caused her to bump into the "Wootton," damaging the latter's stanchions, bulwarks, and decking	J. Larsen.
" 18	Queen of the South, s.s., 40 years	Schooner	121	12	..	General	Collision; no damage	..	Wharf, Wellington ..	S.	Moderate	..	W. T. Brigden.
May 6	Progress, s.s., 34 years	Dredge	112	..	..	..	Foundered; damage, £1,000	..	Carey's Bay, Port Chalmers	N.E.	Gale ..	Vessel was moored undergoing repairs, and was partially dismantled. No one was on board, and during the gale she filled and sank	..
" 16	Tuirangi, s.s., 8 years	Cutter ..	72	8	25	..	Struck wharf; no damage	..	Tokatoka Wharf, N. Wairoa	S.W.	Strong ..	Vessel ran into the wharf on a dark night ..	Thomas Ross.
" 27	Waikonini, scow, 16 years	Schooner	23	5	..	Shingle	Stranded; trifling damage	..	Waiara, Hauraki Gulf	W.	Gale ..	The vessel's anchor-chain parted, and she was driven on to the beach	J. J. Doyle.
June —	Wairuna, s.s., 14 years	Schooner	2,530	43	..	General	Sunk; total loss	..	In vicinity of Kermandecs	..	..	Sunk by enemy raider ..	H. C. Saunders.
" 2	J. D. O., s.s., 24 years	Dredge	87	5	..	..	Damaged plate; trifling	..	Port Ahuriri	..	..	Vessel was found to be sinking, and when pumped out a hole was found on the port bow, which is supposed to have been made when letting go or heaving up the anchor	F. W. Green.
" 6	Kotare, s.s., 13 years	Ketch ..	79	10	..	..	Stranded	..	Waikawa ..	S.E.	Light ..	Vessel was moored at wharf, and on the tide falling she settled amidships on some obstruction, which caused fracture of the keelson	D. Hanning.
" 11	Eunice, o.e.v., 15 years	Schooner	129	9	..	Chaff ..	Damaged gear; £150	..	Off Cape Egmont ..	S.E.	Gale ..	Heavy seas damaged the bulwarks, stanchions, and davits, and carried away a lifeboat	R. Sproule.
" 12	Laura, 28 years ..	Barquentine	326	..	..	Granite-blocks and oats	Loss of life	1	16 days out from Melbourne to Auckland	S.E.	Gale ..	A heavy sea came on board and washed W. Gibson, an O.S., overboard. Everything possible was done to save him, but no boat could have lived in the sea that was running	John Johnson.
" 14	Kowhai, s.s., 7 years	Schooner	483	19	..	Coal ..	Struck wharf; slight damage	..	Gladstone Pier, Lyttelton	..	Calm ..	When berthing, the order "full astern" was given, but the engines failed to act, and the vessel struck one of the piles with the crown of the anchor, and damaged the hawse-pipe and one of the plates	E. C. Velleno-weth.

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

Date of Casualty.	Vessel's Name, Age, and Class.	Rig.	Register Tonnage	Number of		Nature of		Number of Lives lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
				Crew	Passengers.	Cargo.	Casualty.			Direction.	Force.		
1917.													
June 14 (about)	Kaituna, s.s., 13 years	Schooner	1,246	26	..	General	Loss of propeller-blades; damage, £150	..	Off Napier ..	W.N.W.	Gale ..	When steaming against heavy sea two blades of the propeller were lost	W. Martin.
June 17	Tasman, s.s., 14 years	Schooner	87	14	3	..	Fire; damage, £60	..	At wharf, Auckland ..	..	..	Fire occurred under the main boiler; cause unknown	C. Faulkner.
"	Nikau, s.s., 8 years	Schooner	98	15	30	..	Loss of propeller; damage, £150	..	French Pass ..	..	Calm ..	The port engines commenced to race, and it was found the propeller had dropped off	R. J. Hay.
"	Barcona, s.s., 13 years	Schooner	55	9	..	..	Collision; slight damage to each vessel	..	Hobson Wharf, Auckland	..	Calm ..	The vessels collided when rounding the wharf, the sheds obscuring the view	(James Holt.
"	Osprey, p.s., 30 years	Ferry-boat	138	3	4	..	..	..	land	..	..		(F. T. Wendin.
July 18	Moehan, scow, 35 years	Schooner	23	3	..	Shingle	Capsized; damage, £100	..	Thames Gulf	N.N.W.	Light ..	Was caught in a whirlwind, capsized, and foundered. Since refloated and dismantled for use as a barge	J. E. I. Johansen.
"	Cygnat, s.s., 30 years	Schooner	66	10	..	Wool ..	Broken shaft ..	..	Near Godley Head ..	..	Calm ..	Shaft broke between thrust-collars ..	A. J. Murray.
"	Koromiko, s.s., 10 years	Schooner	1,541	36	..	..	Accident to machinery; damage, £1,000	..	Lat. 34° 2' S., long. 167° 19' E.	S.W.	Gale ..	The main bearing-covers of the crank-shafts carried away, and the shaft was slightly bent	J. Ryan.
"	Ruapehu, s.s., 17 years	Schooner	5,746	72	..	General	Fire; damage, £1,100	..	Lat. 13° 12' S., long. 116° 57' W.	E.	Moderate	Fire was discovered in the port bunker, which spread to the insulation and cargo in No. 3 hold. The coal was kept saturated with water until the vessel reached Auckland, when the seat of the fire was located and it was put out. Spontaneous combustion presumed to have been the cause	A. W. McKellar.
Aug. 7	Invercargill, s.s., 32 years	Schooner	123	12	4	General	Collision; damage, £450	..	Wellington Harbour ..	..	Calm	The vessels came into collision when proceeding to their respective berths at the inner wharves, Wellington Harbour. The Court found that the collision was caused by the negligent navigation of the s.s. "Terawhiti," and her master was ordered to pay the cost of the inquiry, £24 17s.	W. E. Wahlstrom.
"	Terawhiti, s.s., 10 years	Schooner	47	..	..	..	Collision; no damage	..	Off Chelsea, Auckland Harbour	..	..	Vessel capsized at her anchorage; no one on board. Probably caused by the heavy sea that was running	R. J. Fowler.
"	Ida, 33 years	Ketch ..	25	..	..	Coal ..	Foundered; damage, £10	..	Bar, Wanganui River	S.E.	Gale ..	When crossing the bar the vessel struck, and failed to answer her helm, and it was found the rudder had been damaged, the rudder-head driven up, and that the vessel was making water. She was taken in tow by the lighter "Thistle," but foundered whilst being towed. The master was exonerated from any blame	D. Bertie.
"	Dorset, o.e.v., 34 years	Barge ..	41	9	2	Frozen meat	Foundered; total loss	..					

Aug. 14	Hobsonville, o.e.v., 23 years	Schooner	23	2	..	Drain- pipes	Stranded; trifling damage	..	Maloney Reef, Hauraki Gulf	S.E.	Strong..	The vessel stranded on the reef on a falling tide, but floated off on the rise. The cause of the stranding was the strong S.E. wind, and might have been avoided had the master been on deck	W. J. McManus.
" 23	Kahika, s.s., 15 years	Schooner	516	19	..	General	Struck wharf; slight damage	..	Dunedin ..	S.S.W.	Light ..	When vessel was swinging to get clear of wharf her rudder struck a pile and was slightly damaged	Jas. Robinson.
" 25	Jane, aux., 21 years	Cutter ..	22	4	..	..	Stranded; total loss	..	Bar, Kuru River ..	S.W.	Fresh breeze	Stranded when crossing the bar, through error of judgment on part of signalman	I. Vasta.
Sept. 1	Toromea, s.s., 12 years	Schooner	2,703	49	..	Phos- phates	Stranded; slight damage	..	Entrance, Bluff Har- bour	E.	Moderate	When entering the harbour the vessel grounded on a sand-bank, but was towed off on the rising tide, apparently undamaged	A. C. Reid.
" 3	Opouri, s.s., 6 years	Schooner	218	17	..	General	Stranded; total loss	..	Greymouth Bar ..	E.	Light ..	The stranding of the vessel was wholly due to the parting of the steering-gear, the stretching-screw of the starboard steering- rod being defective, and parting whilst the vessel was crossing the bar. No blame could be attached to the master or any officer of the ship	E. A. Cox.
Sept. 12 and 24	Westmoreland, s.s., new	Schooner	6,099	85	..	General	Fire; damage, £15,000	..	Lat. 29° 23' S., long. 133° 13' W., and at Auckland	..	..	Fire originated in coal in starboard 'tween- deck bunker on 12th September, and was supposed to have been extinguished, but it broke out again after the vessel's arrival at Auckland on 22nd September, and was not got under before much damage was done— the vessel to the extent of £15,000 and the cargo £40,000. Fire supposed to have been caused by spontaneous combustion	G. T. Deith.
Sept. 18	Port Kembla, s.s., 7 years	Schooner	2,990	59	..	General	Foundered; total loss	..	11 miles off Cape Fare- well	N.	Light ..	A terrific explosion took place in the after part of No. 1 lower fore hold of 'tween decks, which rent open the starboard side of the vessel abaft the fore hatch, and she immedi- ately took a heavy list to starboard and sank within half an hour after the explosion took place. The Court was of opinion that the explosion was internal, and was due to the placing of a quantity of high explosive substance in the after hold, and that such act was deliberate and done with the inten- tion of destroying the vessel and her crew. An enemy mine-field has since been dis- covered in the vicinity, and in all proba- bility the loss of the vessel was caused by her striking a mine	J. Jack.
" 26	Eunice, aux., 15 years	Schooner	129	10	..	Tar ..	Stranded; total loss	..	Entrance, Wanganui River	S.E.	Moderate	When crossing the bar the vessel suddenly swerved and struck the south mole, there- after drifting on to the south beach. The Court found that the steering of the vessel was due to some fault in the steering not disclosed in the evidence, but for which the master must be held responsible, and he was ordered to pay £20 towards the cost of the inquiry	A. J. Holm.

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.
			Passengers.	Crew.	Cargo.	Casualty.			Direction.	Force.		
1917. Sep. 28 to Oct. 26	Conargo, s.s., 14 years	Schooner	2,726	51	Oil ..	Boiler defect; damage, £210	..	At sea ..	..	..	During voyage from New York to Auckland a small crack developed in the boiler	R. C. D. M. Heddle.
Oct. 12	Ihunata, s.s., 6 years	Schooner	680	24	General	Fire; damage, £100	..	2 miles N.N.E. of Caville Island	S.S.W.	..	Fire occurred in fore hold; cause unknown, but probably due to some explosive substance being purposely put into the vessel. Cargo considerably damaged	R. Matheson.
"	Waureka, s.s., 7 years	Ferry-boat	72	5	..	Stranded; trifling damage	..	Portobello, Otago Harbour	S.W.	Heavy squalls	Vessel was struck by a heavy squall, and stranded on a sandy beach. She was kedged off at high water	J. M. Eadie.
Nov. 2	Waitangi, s.s., 5 years	Schooner	31	6	..	Stranded; no damage	..	Otago Harbour	S.W.	Light ..	Steering-gear jammed, and vessel grounded on a sand-bank, but floated off on rising tide	M. J. Hargreaves.
"	Zealandic, s.s., 6 years	Schooner	5,172	87	General	Fire; no damage	..	Picton Wharf	..	..	Coal in lower cross-bunker became heated, and fire was discovered, but was extinguished in a few hours. Presumed spontaneous combustion	A. E. Jackson.
"	Inga, s.s., 13 years	Schooner	570	19	Coal ..	Stranded; no damage	..	Wanganui Bar	E.	Moderate	Vessel grounded near south mole, but was towed off without damage	J. H. Bull.
"	Laurel Whalen, aux., 1 year	Schooner	1,049	16	Wheat ..	Damaged rudder, &c.; damage, £70	..	Tasman Sea	S.E.	Gales ..	When west of Wilson's Promontory a heavy gale was encountered which split the sails; and when off Three Kings the wheel-ropes parted and the rudder was damaged	H. Docherty.
"	Nikau, s.s., 8 years	Schooner	98	16	..	Loss of propeller-blades	..	Between Nelson and Motueka	..	..	Probably struck some floating object ..	R.J. Hay.
Dec. 5	Result, 46 years...	Ketch ..	23	2	Coal ..	Stranded; total loss	..	Torrent Bay, Nelson..	S.	Light ..	The vessel was proceeding from Pupoonga to Motueka, when the wind changed, and she put into Torrent Bay for shelter, but when entering the bay she struck a rock and sank	Thos. Reeves.
"	Nautilus, o.e.v., 14 years	Launch	6	..	..	Fire; total loss ..	..	Clark's Creek, Onehunga	..	..	Vessel at moorings, and no one on board; cause of fire unknown	J. C. McInnes.
"	Victory, aux., 14 years	Ketch ..	17	3	..	Stranded; damage, £75	..	Manukau Heads	S.W.	Strong..	When entering the heads the vessel stranded on the middle bank. The accident occurred through the beacons becoming suddenly obscured by mist	George Page.
"	Laura, 29 years ..	Barquentine	326	11	General	Strained; damage, £700	..	Lat. 37° 3' S, long. 163° 28' E.	E.S.E.	Gale ..	The vessel encountered very heavy weather, and was struck by a heavy sea on star-board side, starting a number of stanchions	J. McIntosh.
"	Boorara, s.s., 4 years	Schooner	4,083	59	General	Fire; no damage	..	Wellington Harbour ..	N.W.	Light ..	Fire was discovered in bunkers; cause unknown	J. Buchanan.
"	Amy Turner, 41 years	Barquentine	901	8	Ballast..	Fire ..	..	No. 6 Wharf, Lyttelton	S.	Moderate	Vessel had discharged a cargo of oil and was loading with ballast, when an explosion took place and fire broke out in the hold. The ballast with which the vessel was being loaded consisted of rock and clay, and a spark may have been struck by the falling stones which ignited oil-vapour and caused the fire	J. J. Bennett.

Dec. 20	Wakatu, s.s., 38 years	Schooner	95	12	General	Collision: no damage	No. 3 Wharf, Lyttelton Harbour	N.E.	Light	When approaching the wharf the "Himitangi's" anchor fouled the stem of the "Wakatu"	(J. Wills. Chas. Thompson. H. Dillner. S. S. Cottell.
" 20	Himitangi, s.s., 19 years	Schooner	149	16	..	Collision: no damage	..	..	..	Touched on the reef in foggy weather	..
" 23	Ngahere, s.s., 10 years	Schooner	556	9	Coal	Stranded: no damage	Off Sinclair Head	..	Calm	..	..
1917-18.	Port Hacking, s.s., 17 years	Schooner	4,025	60	General	Loss of rudder, &c.; damage, £32,774	Lat. 11° 7' S., long. 101° 44' W., and 31° 14' S., 156° 27' W.	S.E.	Gales	In avoiding collision with a sailing-vessel the "Port Hacking" struck a shoal off Chesapeake Bay, U.S.A., but continued her voyage. When 1,600 miles out from the Panama Canal the rudder broke off, and she put into Callao for repairs, when it was found that the stern-frame and rudder-post were carried away. Temporary repairs were effected, and the vessel proceeded on her voyage, but, meeting with heavy weather, the rudder again carried away. After further repairs she reached Auckland on 12th March, and was docked for complete repair	..
1918.	Echo, aux., 12 years	Schooner	99	9	General	Fire; slight damage	Port Ahuriri	..	Calm	The fire was apparently caused by ignition of fumes from benzine cargo	B. M. Carpenter.
Jan. 11	Young Bungaree, s.s., 35 years	Schooner	2	..	..	Collision; trifling damage	Fitzroy Wharf, Auckland Harbour	..	Calm	When the trawler "Simplon" was berthing she bumped into the "Young Bungaree"	(Thos. Scott. John Frelland.
" 14	Simplon, s.s., 20 years	Schooner	69	10	..	Collision: no damage	..	..	..	..	C. Anderson.
" 19	Huanui, aux., 8 years	Schooner	59	5	Timber	Dismasted; damage, £200	Lat. 41° 23' S., long. 174° 20' E.	S.E.	Strong	The vessel was labouring heavily, and the foremast carried away	A. Robertson.
" 23	Putiki, s.s., 13 years	Schooner	164	16	General	Collision with wharf; damage, £200	No. 4 Wharf, Lyttelton	..	Calm	When approaching wharf the vessel refused to answer her helm, and struck the wharf heavily	W. Manning.
" 28	Maori, t.s.s., 11 years	Schooner	1,433	95	General	Loss of propeller-blades	Off Pencarrow Head	N.W.	Light	Blades of centre propeller were thrown off	R. A. Kelly.
" 28	Tamui, s.s., 9 years	Schooner	6,297	160	General	Fire; no damage	Off Banks Peninsula	N.	Light	Fire was discovered in No. 4 hold at 3.30 a.m., but was extinguished by 12.30 p.m. Cause of fire unknown, but incendiarism is suspected	R. Nixon.
" 31	Muriel, s.s., 11 years	Schooner	16	6	..	Loss of propeller; damage, £53	Hauraki Gulf	E.	Fresh breeze	The tail-shaft broke and the propeller dropped off	W. Nicholas.
Feb. 5	Opawa, s.s., 30 years	Schooner	64	9	General	Stranded; no damage	Bar, Wairau River	E.	Light	Caused by the leading beacons being obscured by smoke from bush-fires	R. J. Ricketts.
" 13	Maritana, o.e.v., 31 years	Ketch	6	3	..	Stranded; total loss	Off entrance, Croixelles	..	Calm	Struck a submerged rock whilst engaged fishing, and sank	A. E. Burt.
" 13	Hina, s.s., 57 years	Cutter	47	7	General	Collision; trifling damage to each	Aore River, Nelson	S.W.	Light	The vessels met at a narrow bend in the river and a slight collision occurred	W. Westrupp.
" 13	Lily, 27 years	Ketch	16	2	Timber	Accident to machinery; damage, £150	No. 4 Jetty, Auckland Harbour	E.N.E.	Light	The low-pressure valve-cover blew off, carrying away part of the valve-chest	Wm. Sullivan.
" 14	Wakare, p.s., 22 years	Ferry-boat	32	29	General	..	..	..	..	..	..
" 15	Riva, 11 years	Ketch	93	7	Superphosphates	Leaking	Lat. 33° 28' S., long. 163° 31' E.	W.	Gale	Caulking squeezed out through vessel labouring in heavy weather	Wm. Champion.

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

Date of Casualty.	Vessel's Name, Age, and Class.	Rig	Register	Number of		Nature of Casualty.	Number of Lives lost.	Place where Casualty occurred.	Wind.		Finding of Court of Inquiry.	Name of Master.
				Crew	Passengers.				Direction.	Force.		
1918. Feb. 16	Tainui, s.s., 15 years	Schooner	60	8	..	Loss of propeller..	..	4 miles S. of Wanganui Heads	W.	Moderate	The propeller struck some object and broke off	D. Bonner.
"	Huia, s.s., 40 years	Schooner	69	3	..	Explosion; no damage	..	Wharf, Wellington Harbour	W.	Light	Fumes ignited and caused explosion in No. 2 hold	J. W. Crotty.
Mar. 3	Kennedy, s.s., 53 years	Schooner	131	15	..	Stranded; no damage	..	Entrance, Motueka Harbour	S.E.	Strong..	Vessel ran on a sand-bank but floated off on discharge of cargo	A. J. Henry.
"	Kiritona, aux., 9 years	Ketch ..	75	9	..	Fire; trifling damage	..	Napier Harbour	S.E.	Light ..	Benzine-fumes ignited by naked lamp carried by chief engineer	C. Perriam.
"	Kapua, 6 years ..	Ketch ..	18	4	..	Stranded; slight damage	..	Bark Bay Reef, Tasman Bay	..	Calm ..	The stranding was due to carelessness on the part of the man who was in charge at the time, and who was unqualified. She was towed into Tonga Bay by s.s. "Hina," and beached	P. Johnson.
"	Bulli, s.s., 13 years	Launch	29	..	..	Stranded; damage, £75	..	Auckland Harbour	E.	Strong ..	The vessel broke from her moorings, and was driven against some punts	..
"	Ngatoro, s.s., 8 years	Schooner	583	22	..	Steam-pipe cracked	..	2 miles N. of Westport	S.W.	Gale ..	The main steam-pipe cracked owing to heavy straining	A. T. Dowell.
"	Lena Gladys, 8 years	Ketch ..	24	..	..	Stranded; slight damage	..	Auckland Harbour	E.	Gale ..	Vessel dragged her anchors and bumped into timber-booms	F. Kasper.
"	Onerahi, 6 years	Ketch ..	25	..	..	Stranded; slight damage	..	Auckland Harbour	E.	Gale ..	Vessel dragged her anchors and bumped into timber-booms	S. Satre.
"	Huon Belle, 54 years	Ketch ..	42	..	..	Stranded; damage, £400	..	Auckland Harbour	E.	Gale ..	Dragged her anchors and bumped up against a punt ashore, her stern being carried away	A. E. Ragg.
"	Elste, s.s., 11 years	Ketch ..	22	4	..	Foundered; total loss	..	Queen Charlotte Sound	..	Calm ..	Struck some floating object, probably a log; filled and sank	J. E. Tregger then,
"	Tasman, s.s., 14 years	Schooner	87	14	20	Stranded; damage, £25	..	Whakatane Heads	E.	Light ..	When coming through the heads the tide caught the vessel on the port bow and carried her on to the rocks, damaging her fore-foot	C. Faulkner.
"	Coronation, 16 years	Ketch ..	85	5	..	General damage, £200	..	7 miles E. of Point Rodney, Hauraki Gulf	E.S.E.	Gale ..	Owing to loss of rudder, caused by heavy seas, the vessel became unmanageable, and sails and rigging were damaged	W. J. Paine.

RETURN OF ACCIDENTS TO SEAMEN AND OTHERS ON BOARD SHIP REPORTED TO THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1918.

Date of Accident.	Name of Vessel and Port of Registry.	Name of Person injured.	Nature of Injury: Fatal or otherwise.	Place where Accident occurred.	Particulars as to Accident and its Cause, and Verdict of Jury where Coroner's Inquest held.
1916.					
Dec. 12.	Tainui, London ..	G. Olsson, A.B. ..	Concussion ..	Hobart ..	Fell on deck.
1917.					
Feb. 2	Maori, London ..	Kavanagh, —, trimmer	Scalded ..	At sea ..	Slipped while carrying boiling water.
" 2	Waihora, London ..	Smith, B., fireman	Burnt face ..	At sea ..	Fires blew out.
" 2	Southern Cross, London ..	Wilson, W. W., 3rd engineer	Scalded ..	Auckland ..	Steam-valve blew out.
" 12	Moeraki, London ..	McKenzie, D., trimmer	Injured knee ..	At sea ..	Fell in bunkers.
" 25	Rosamond, Dunedin ..	McDonald, N., fireman	Injured foot ..	At sea ..	Fell down companion-way.
Mar. 3	Maori, London ..	Lopez, M., fireman	Burnt arm ..	Lyttelton ..	While cleaning tubes.
" 3	Ngatiawa, Auckland ..	St. Clair, J., A.B.	Injured hand ..	Auckland ..	While discharging cargo.
" 3	Waipu, Auckland ..	Morman, L. S., fireman	Injured finger ..	At sea ..	While greasing engines.
" 3	Wakatere, Auckland ..	Angus, G., O.S. ..	Ricked back ..	At sea ..	Fell in alleyway.
" 7	Wairoa, Auckland ..	Carmichael, A., greaser	Injured fingers ..	At sea ..	Fingers caught in machinery.
" 15	Kahu, Napier ..	Travis, A., purser	Injured arm ..	Tokomaru Bay ..	Fell between ship and wharf.
" 17	Rakanoa, Dunedin ..	Murray, W., fireman	Injured testicles ..	Auckland ..	Fell off plank.
" 18	Moana, London ..	King, C., boy ..	Fractured arm and ribs ..	At sea ..	Fell down fore hold.
" 23	Waitohi, Auckland ..	Cross, J., A.B. ..	Burnt arm ..	At sea ..	Fell on winch.
" 23	Putiki, Wellington ..	Fittes, C., A.B. ..	Injured shoulder ..	Wanganui ..	While working on ship.
" 23	Mapourika, Dunedin ..	O'Connor, J., greaser	Broken arm ..	Greymouth ..	While at boat drill.
" 19	Manuka, London ..	Thompson, W., trimmer	Injured back ..	At sea ..	Fell in stokehold.
" 22	Wakatu, Wellington ..	Larsen, C. S., mate	Injured knee ..	Kaikoura ..	Struck by sling of cargo.
" 27	Manuka, London ..	Grant, J., fireman	Injured leg ..	At sea ..	Fell in stokehold.
" 30	Maori, London ..	Nixon, A., trimmer	Strained back ..	At sea ..	While trimming coal.
Apl. 4	Pateena, Dunedin ..	Whitecross, A., 3rd cook	Injured finger ..	At sea ..	Lid of a chest fell on finger.
" 17	Makura, London ..	Treacher, H., trimmer	Injured foot ..	At sea ..	Struck foot in engine-room.
" 4	Mania, Auckland ..	Marsden, W., greaser	Injured knee ..	At sea ..	While working in engine-room.
" 16	Maori, London ..	Morrigan, N., A.B.	Injured arm and wrist ..	Lyttelton ..	While working winch.
" 11	Maori, London ..	Carter, A., fireman	Injured back ..	At sea ..	Slipped and fell in stokehold.
" 15	Rosamond, Dunedin ..	Joyce, J., A.B. ..	Injured shoulder ..	Greymouth ..	Slipped on deck.
" 24	Paloona, Dunedin ..	Bailey, W. F., doctor	Injured foot ..	Rarotonga ..	Foot caught between launch and ship.
May 5	Kaituna, Dunedin ..	Redmond, F., cook	Injured hand ..	At sea ..	Lid of box fell on hand.
" 10	Kao, Auckland ..	Owler, J., cook ..	Concussion of brain ..	At sea ..	Struck by boom.
" 10	Pateena, Dunedin ..	Pollard, J., trimmer	Injured ribs ..	At sea ..	While dumping ashes.
" 15	Kamo, Dunedin ..	Johanson, A., fireman	Sprained wrist ..	At sea ..	Slipped on deck.
" 4	Komata, Dunedin ..	McLean, J. A., A.B.	Strained back ..	Westport ..	While working gangway.
" 10	Moeraki, Dunedin ..	Hartnell, R., trimmer	Strained back ..	At sea ..	While working coal.
" 5	Mararoa, Dunedin ..	Powell, H., fireman	Burnt hand ..	At sea ..	While working fires.
" 23	Mararoa, Dunedin ..	Newell, R., fireman	Strained shoulder ..	At sea ..	Slipped in stokehold.
" 12	Ngatoro, Wellington ..	McGregor, J., A.B.	Injured knee ..	Napier ..	Struck by mooring-chain.
" 8	Mapourika, Dunedin ..	Austin, H., cook	Strained back ..	Nelson ..	While lifting meat.
" 29	Kowhai, Dunedin ..	Perry, F. C., A.B.	Sprained knee ..	Greymouth ..	Fell down hatchway.
" 25	Himitangi, Wellington ..	Johnstone, D., A.B.	Injured hand ..	Lyttelton ..	Caught in winch.
" 12	Kahu, Napier ..	Vanderftech, W., A.B.	Injured finger ..	Tauranga ..	Bundle of plates fell on finger.
" 18	Kotonui, Auckland ..	Quirk, W., A.B. ..	Injured thumb ..	At sea ..	Thumb caught in rigging.
" 8	Mania, Auckland ..	Robinson, E., A.B.	Fractured ribs ..	At sea ..	Slipped on deck.
" 10	Mania, Auckland ..	Cook, F., fireman	Injured foot ..	At sea ..	Slipped in stokehold.
" 9	Mako, Napier ..	Fleetwood, H., cook	Cut thumb ..	At sea ..	While chopping bones.

May 21	Oneroa, Auckland..	Langdon, —, A.B.	Injured knee	Auckland	While working cargo.
" 20	Arahura, Dunedin..	Hucker, H., trimmer	Cut toe ..	Napier	By broken glass through explosion of gasoline.
" 25	Greyhound, Auckland	Rata, P., A.B.	Bruised face	Hokianga Bar	Fell on deck.
" 27	Te Anau, Dunedin	Donnelly, M., fireman	Fatally burnt	Napier	Through fire in forecastle.
" 28	Manaia, Auckland..	Hopkins, J., 2nd mate	Sprained ankle	Oneraki	While unloading cargo.
" 28	Te Anau, Dunedin	Young, W., greaser	Burns ..	Napier	By fire on ship.
" 28	Te Anau, Dunedin	McDonald, A., greaser	Burns ..	Napier	By fire on ship.
" 19	Kaipoi, Dunedin..	Hurley, J., fireman	Cut head ..	At sea	Fell in stokehold.
" 29	Maori, Dunedin ..	Sowden, P., 3rd cook	Injured arm	Lyttelton	Fell down ladder while carrying meat.
June 3	Mararoa, Dunedin..	Fuller, R., steward	Injured hand	Lyttelton	Case fell on hand.
" 1	Maori, London ..	Elton, W., fireman	Injured leg ..	At sea	While working fires.
" 3	Te Anau, Dunedin	Gilray, A., trimmer	Burnt arm ..	Napier	By fire in forecastle.
" 11	Karamu, Dunedin..	Brennan, J., A.B.	Injured back	At sea	Struck and knocked down by heavy sea.
" 21	Kennedy, Nelson ..	Rankin, J., cook and steward	Injured back	At sea	Fell on deck.
" 28	Te Anau, Dunedin	Houghton, R., 3rd engineer	Burnt face and arm	Auckland	While working in engine-room.
" 17	Waitangi, Auckland	Nicholas, C., Cook	Bruised shoulder	At sea	Fell on deck.
" 27	Flora, Hobart ..	Staladi, M. C., fireman	Ricked back	At sea	Fell in bathroom.
" 1	Alert, Auckland ..	Gramman, G., A.B.	Fractured arm	At sea	While lowering centreboard.
" 8	Maui, Auckland ..	Bremer, A. H., cook	Fractured arm	Gisborne	While getting coal for galley.
" 17	Moeraki, London ..	Williams, P., 5th engineer..	Injured fingers	At sea	While working in engine-room.
" 14	Paloona, Dunedin..	Gunn, R., 3rd engineer	Injured knee	At sea	While working in engine-room.
July 7	Daphne, Auckland	Drifill, C., A.B.	Injured thumb	Chelsea	Thumb jammed in chain-sling.
" 26	Wootton, Lyttelton	Whalen, G., A.B.	Injured head	Lyttelton	Kicked by beast when discharging cattle.
" 2	Karamu, Dunedin..	Botting, C., 3rd engineer	Contusion of eye	At sea	While working in engine-room.
" 16	Canopus, Dunedin..	Innes, J., fireman	Crushed finger	At sea	While closing skylight.
" 2	Tahne, Hobart ..	Turner, —, donkeyman	Injured testicles	At sea	While slicing fires.
" 5	Herald (sco), Auckland	Sarin, J., A.B.	Injured back	At sea	While working on ship.
" 30	Kia Ora, Southampton	Longley, A. G., fireman	Injured back	Auckland	While lifting machinery.
" 27	Kini, Dunedin ..	Hoffman, F., trimmer	Strained neck	Lyttelton, No. 7 Jetty	Fell off gangway while boarding vessel.
" 31	Maori, London ..	Bone, A., O.S.	Broken neck (fatal)	At sea	While working in galley.
" 14	Opawa, Wellington	Smith, J., A.B.	Injured finger	Lyttelton	Finger pierced with wire.
" 16	Kauri, Dunedin ..	Dunn, J., fireman	Injured ribs	Wellington	Fell against hatch.
" 24	Waverly, Wellington	McPherson, D., A.B.	Ricked back	Wellington	Fell on deck.
" 19	Kennedy, Wellington	Brien, P., A.B.	Bruised back and ribs	Wellington	Fell down hold.
" 26	Mararoa, Dunedin..	Newell, —, fireman	Injured knee	Wellington	Slipped while attending ventilators.
" 23	Breeze, Lyttelton ..	Ulrich, W., 3rd engineer	Burnt face and arm	Wellington	Through explosion.
" 28	Mararoa, Dunedin..	Hargen, W., A.B.	Crushed finger	Wellington	While lowering derrick.
" 6	Moana, Dunedin ..	Kerwan, F. Z., butcher	Injured leg ..	At sea	Block of ice fell on leg.
" 20	Kaitangata, Dunedin	Walsh, W., O.S.	Injured finger	Auckland	While shifting beam.
" 25	Westralia, Melbourne	Glantry, P., trimmer	Injured knee	At sea	While working in stokehold.
Aug 28	Kini, Dunedin ..	Cuchuvelli, —, A.B.	Cut hand ..	Westport	Hand cut with chisel.
" 8	Kowhai, Dunedin ..	Sands, C., fireman	Scalded ..	At sea	Scalded with steam from boilers.
" 6	Mapourika, Dunedin	Murray, T., scullion	Injured hip ..	Wellington	Fell on deck.
" 29	Kaitoa, Nelson ..	Retter, G. P., mate	Injured shoulder	Motueka	While loading cargo.
" 25	Opouri, Lyttelton ..	Mahomet Ali, cook	Burnt arm ..	Lyttelton	Burnt in galley.
" 17	Monowai, Dunedin	Haylor, W., steward	Sprained ankle	Auckland	Slipped on gangway.
" 7	Defender, Sydney ..	Denham, H., fireman	Burnt face and hands	At sea	While working in stokehold.
" 10	Ngapuhi, Auckland	Peterson, F. L., chief engineer	Poisoned finger	Wellington	While working in engine-room.
" 27	Daphne, Auckland	Lowe, J., chief steward	Severe shaking	Auckland	Fell down lazarette hatch.
" 28	Greyhound, Auckland	Anham, J., fireman	Injured foot	At sea	Fell while carrying coal.
" 28	Greyhound, Auckland	Anderson, C., A.B.	Bruised ribs	Auckland	Fell while boarding ship.

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.
1917.					
Aug. 7	Maori, London ..	Ritchie, Mrs., stewardess ..	Sprained wrist	At sea	Fell down companionway.
" 14	Maori, London ..	Yarrow, R., butcher ..	Injured groin	At sea	Fell down ladder.
" 20	Hurunui, London ..	McPherson, A., fireman ..	Injured head	Wellington	Fell off gangway.
" 9	Kapua (sco.), Auckland	Hansen, A., A.B. ..	Drowned; fatal	Ketu Bay	Fell overboard and was drowned.
Sept. 1	Kaitangata, Dunedin	Olsen, G., A.B. ..	Injured head	Wellington	Struck head on gangway.
" 4	Mararoa, Dunedin..	McLure, J., fireman ..	Injured thigh	At sea	Struck on right leg.
" 11	Mapourika, Dunedin	Slip, R. G., fireman ..	Strained back	Nelson	While working in hold.
" 1	Mararoa, Dunedin..	Warcup, J., A.B. ..	Severe shaking	Wellington	While at boat-drill.
" 1	Kennedy, Nelson ..	Strong, C., fireman ..	Jarred thumb	At sea	While on watch.
" 8	Monowai, Dunedin	Downes, H., steward ..	Injured foot	At sea	While working in engine-room.
" 20	Maori, London ..	Smith, T., fireman ..	Septic elbow	Wellington	Fell while carrying stores.
" 1	Kakapo, Dunedin ..	Edgeworth, R., donkeyman	Fractured ribs	At sea	Fell in stokehold.
" 19	Kittawa, Dunedin..	Robertson, T., cook ..	Broken wrist	Lyttelton	Fell from ladder.
" 12	Tarawera, Dunedin	Ramsay, G., fireman ..	Injured knee	At sea	Fell on bunker manhole.
" 14	Rarawa, Auckland	Omholdt, K., A.B. ..	Injured back	New Plymouth	Slipped on deck.
" 22	Dandy (sco.), Auckland	Kneller, W., A.B. ..	Cut hand ..	Ngunguru	Hand cut with wire rope.
" 18	Clio (sco.), Auckland	Brown, F. A., steward ..	Bruised knee	Auckland	Struck with bag of lime.
" 28	Zelandic, Liverpool	Archer, J. T., steward ..	Injured knee	Auckland	While carrying case.
" 13	Maori, London ..	Golder, H., A.B. ..	Rupture ..	Lyttelton	Ruptured while carrying luggage.
" 3	Baden Powell, Auckland	Bicknell, S., A.B. ..	Injured hand	Auckland	Injured hand while at boat-drill.
Oct. 2	Kamo, Dunedin ..	Sutherland, A. T., O.S. ..	Sprained ankle	Wellington	While working cargo.
" 6	Karori, Dunedin ..	Muir, C., fireman ..	Crushed finger	At sea	Fell from bridge-deck.
" 6	Waimarie, Auckland	Freland, J., A.B. ..	Bruised knee	Kopu	Finger caught between quadrant and starting-gear.
" 10	Te Anau, Dunedin..	Bremen, J., fireman ..	Injured shoulder	Napier	While mooring ship.
" 10	Tahiti, London ..	Hurley, J., fireman ..	Crushed thumb	Dunedin	Fell in stokehold.
" 24	Kamo, Dunedin ..	Parker, W., A.B. ..	Strained leg	Westport	Thumb caught in winch.
" 1	Huia, Wellington ..	St. Clair, —, donkeyman ..	Injured fingers	Wellington	While working cargo.
" 10	Kini, Dunedin ..	Nilson, E., A.B. ..	Crushed finger	Auckland	Fingers caught in feed pump.
" 17	Ruapehu, Dunedin..	Shee, A., A.B. ..	Bullet wound in thigh	Westport	Hatch fell on finger.
" 3	Fairburn (O.E.V.), Auckland	McDonald, D., A.B. ..	Injured eye	Wellington	Owing to boy playing with revolver.
" 31	Gael, Auckland ..	Sowman, C., A.B. ..	Fractured thumb	Auckland	Struck with chain sling.
" 10	Waraka, Dunedin..	Haughney, J., cook ..	Injured leg	At sea	Jammed with anchor fall.
" 31	Rosamond, Dunedin	Laughlan, J., O.S. ..	Broken and festered finger	At sea	Slipped on deck.
" 26	Mapourika, Dunedin	Greenshields, T., trimmer ..	Injured knee	At sea	Broken whilst at work.
" 11	Moeraki, London ..	Orme, W., greaser ..	Injured wrist	At sea	Slipped in stokehold.
" 2	Mapourika, Dunedin	Quinn, D., scullion ..	Injured hand	At sea	While oiling pump.
" 15	Opanui, Auckland..	Breen, J., A.B. ..	Injured head	Wellington	Injury received while opening port.
" 15	Cygnat, Lyttelton ..	Guey, W., fireman ..	Injured finger	Auckland	Struck on head with sling of timber.
" 15	Maori, London ..	Black, F. J., cook ..	Fractured ribs	At sea	Finger caught in engine.
" 23	Mapourika, Dunedin	Spencer, H., trimmer ..	Injured shoulder	Lyttelton	Knocked down by sea.
" 16	Alert (sco.), Auckland	Binns, C. E., assistant steward	Sprained ankle	At sea	Fell in fore-castle.
" 14	Waimarie, Auckland	Swanson, H., A.B. ..	Injured wrist	At sea	Fell on deck.
" 11	Taniwha, Auckland	Wangford, W., fireman ..	Strained back	Auckland	Caused by scratch.
" 22	Aupouri, Auckland	Briggs, L., winch boy ..	Lacerated hands	At sea	While discharging ashes.
" 22		Robinson, E., A.B. ..	Fractured rib	Auckland	Caused by ragged wire rope.
					Fell off end of wharf.

Nov. 10	Orepuki, Lyttelton	Nielsen, C., A.B. . .	Broken ribs	Greymouth	Hit by wire guy.
" 13	Orepuki, Lyttelton	Hughes, T., A.B. . .	Fractured collarbone	At sea	Fell on deck.
" 18	Waitomo, London	Brackee, W., A.B. . .	Injured foot	At sea	Fell on deck.
" 7	Corinna, Launceston	Beattie, J., fireman	Broken ankle	At sea	Shipped on deck.
" 23	Karamea, Southampton	Vidler, W. T., boatswain	Injured hip	Oamaru	While working cargo.
" 10	Mania, Auckland	Howe, F., fireman	Body strained	At sea	While lifting skylight.
" 29	Waipori, Dunedin	Burns, R., fireman	Ricked back	Westport	While attending to fires.
Dec. 1	Navua, London	Mayers, W., fireman	Burnt arm . .	At sea	Caused by fires blowing back.
" 16	Kaituna, Dunedin	Tomlinson, —, A.B.	Bruised leg	At sea	Shipped on deck.
" 25	Arakura, Dunedin	Cousins, J., 3rd cook	Injured leg	At sea	Fell in stokehold.
" 23	Arakura, Dunedin	Bartlett, F., A.B.	Cut hand . .	At sea	While cutting meat.
" 18	Kotiti, Auckland	Perrot, D., A.B. . .	Injured back	Auckland	Fell down ladder.
" 12	Niagara, London	Hurley, H. W., 3rd mate	Injured thigh	At sea	While loading cargo.
" 27	Te Anau, Dunedin	Stanley, —, fireman	Injured back	At sea	Shipped on bridge.
" 13	Moeraki, London	Riley, C., fireman	Injured wrist	At sea	Fell in stokehold.
" 20	Hua, Wellington	Messenger, H., A.B.	Injured foot	Wellington	While working in stokehold.
" 13	Wakatu, Wellington	Hansen, A., A.B.	Broken rib	Kaikoura	While working cargo.
" 24	Karu, Dunedin	Peder en, P., fireman	Crushed toe	Wellington	Fell off hatch.
" 15	Ripple, Napier	Klemets, A., A.B.	Broken finger	Napier	While working at engines.
" 14	Maori, London	Keys, L. G., steward	Strained . .	At sea	While working cargo.
" 17	Hororata, London	Francy, R., fireman	Injured knee	Auckland	While carrying luggage.
1918					Fell on deck.
Jan. 10	Himitangi, Wellington	Walen, L., A.B. . .	Injured ankle	Chatham Islands	While working cargo.
" 18	Te Anau, Dunedin	Cowan, J., A.B. . .	Injured back	Wellington	While working cargo.
" 1	Ngatoro, Wellington	Gilland, L., A.B.	Sprained ankle	Pigeon Bay	Shipped on gangway.
" 10	Monowai, Dunedin	Kilworth, L., trimmer	Scalded . .	Wellington	While carrying bucket of water.
" 17	Koromiko, Dunedin	Carmichael, J. S., steward	Injured fingers	Lyttelton	Fell, cutting fingers.
" 5	Ripple, Napier	Jackson, H., cook	Injured leg	At sea	Fell when leaving galley.
" 22	Maori, Dunedin	Williams, T., trimmer	Injured foot	At sea	While cleaning boiler tubes.
" 26	Flora, Hobart	Coates, J. C., A.B.	Cut hand . .	Auckland	While working cargo.
" 25	Regulus, Nelson	Berry, A. H., A.B.	Sprained ankle	Nelson	While on duty.
" 1	Waimea, Nelson	Britton, J., steward	Fractured leg	At sea	Slipped on deck while leaving galley.
" 24	Wakare, Auckland	Wiseman, G., A.B.	Strained wrist (right)	At sea	While discharging ballast.
" 6	Pateena, Dunedin	Galland, F., trimmer	Injured thumb	At sea	While working engine-pump.
" 4	Maori, London	Keys, L. G., steward	Strained . .	At sea	While carrying luggage.
" 2	Monowai, Dunedin	Jackson, G., fireman	Ricked back	At sea	While working in stokehold.
" 2	Echo, Napier	Berling, O., A.B. . .	Ricked hip	Napier	While working cargo.
" 2	Hawiti, Auckland	Watts, W., A.B.	Bruised leg	Auckland	While working winch.
" 2	Ngatiawa, Auckland	Harrison, G., boy	Injured groin	Auckland	Fell down bunker when coaling ship.
" 6	Manata, Auckland	Robertson, G., O.S.	Crushed finger	Auckland	While clearing decks.
" 15	Rangi (scow), Dunedin	Hansen, C., A.B. . .	Broken arm (right)	Auckland	Slipped on iron girder while carrying wood.
" 23	Katia, Auckland	White, W., A.B.	Injured hand	Auckland	While working cargo.
" 16	Taniwah, Auckland	Hungerford, B., boy	Poisoned hand	Auckland	While cleaning brass.
" 15	Flora, Hobart	Cleary, C., 3rd engineer	Strained . .	At sea	While working on winch.
" 20	Aupoure, Auckland	Sussex, G., greaser	Bruised foot	At sea	While working in stokehold.
" 15	Whangape, Dunedin	Middleton, M., A.B.	Bruised shoulder	At sea	Fell on deck.
" 19	Endeavour, Auckland	Lynne, A., A.B. . .	Injured knee	At sea	Fell down ladder.
" 7	Maori, London	Laybence, R., fireman	Injured back	At sea	Fell down ladder.
" 16	Kowhai, Dunedin	Carter, A., fireman	Strained back	At sea	While discharging ashes.
" 20	kokiri, Dunedin	Connelly, T., fireman	Strained back	Westport	While working in stokehold.
" 24	Maori, London	Henderson, R., cook	Poisoned hand	At sea	Hand injured while cutting meat.

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.
1918.					
Feb. 9	Tofua, London ..	Coleman, W., A.B.	Injured hand	Dunedin	While working cargo.
" 4	Kini, Dunedin ..	Burgeman, C., A.B.	Crushed finger	Westport	Finger caught between rope and winch barrel.
" 21	Pelican, Auckland ..	Davies, C., A.B. ..	Injured hand	Mercury Bay	Result of jar.
" 9	Tofua, London ..	Hornbrook, E., greaser	Injured hand	At sea	Three fingers (1st, 2nd, and 3rd), right hand, severed; jammed in eccentric strap.
Mar. 10	Kahika, Dunedin ..	Driscoll, J., donkeyman	Injured finger	At sea	Third finger, right hand, cut off while feeling engines.
" 16	Arahura, Dunedin ..	Clark, J., A.B. ..	Twisted back	At sea	While working cargo.
" 7	Oupoure, Auckland ..	Caplin, S., boy ..	Injured hand	Auckland	Hand jammed in saloon-door.
" 10	Manuka, London ..	Clark, J., trimmer	Strained back	At sea	While trimming coal in hold.
" 2	Mana, Wellington ..	Howard, J., A.B.	Injured leg and body	Wellington	While going up bridge-ladder handrail broke.
" 11	Komata, Dunedin ..	Humphries, J., A.B.	Thumb smashed	Wellington	While removing hatch fore and after.
" 22	Kaitoa, Nelson ..	Wilson, J., fireman	Strained shoulder and side	Wellington	While working in stokehold.
" 13	Himitangi, Wellington ..	Borman, S., fireman	Injured hand	At sea	While feeling bottom end of engines.
" 14	Rarawa, Auckland ..	Meiklejohn, N., assistant steward	Injured head and face	At sea	Saloon-skylight fell while being cleaned.
" 24	Aupouri, Auckland ..	Pearce, W., fireman	Injured hand	At sea	Hand burned while cleaning fires.
" 23	Kaitangata, Dunedin ..	Kennedy, A., A.B.	Hip-joint injured	At sea	Fell down fore peak hatch.
" 3	Ngatiawa, Auckland ..	Vasey, G. J., fireman	Strained back	Auckland	While at work.
" 16	Monowai, Dunedin ..	Harris, T., fireman	Injured back	Dunedin	Slipped on crosshead.
" 5	Kahika, Dunedin ..	Slater, W., A.B. ..	Crushed finger	Dunedin	Ash shoot fell on finger.
" 27	Kakapo, Dunedin ..	Cowan, H., cook	Body scalded	At sea	Working in galley.
" 31	Kahu, Napier ..	Johansson, O., A.B.	Strained stomach	At sea	Lifting bag of coal.

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, 1918.

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid in Wages, Maintenance, &c.
			£ s. d.
Fitles, C.	Putiki	Injured shoulder	4 5 2
Nixon, A.	Maori	Strained back	12 14 5
Whitecross, A.	Pateena	Injured fingers	10 6 0
Kavanagh, F.	Maori	Scalded	41 18 2
McKenzie, D.	Moeraki	Injured knee	36 14 2
Carrol, H.	Tutanokai	Cardiac	25 4 0
Findlay, R.	Himitangi	Boils	26 13 6
Putkonen, W.	Port Victor	Appendicitis	10 19 2
Olsen, G.	Tainui	Concussion	28 6 6
Sherwin, S. W.	Orepuki	Appendicitis	43 9 7
Lopez, M.	Maori	Burnt arm	22 0 0
Cairns, W. A.	Mararoa	Heat rash	12 16 6
Thompson, W.	Manuka	Injured back	16 5 0
Larsen, C. S.	Wakatu	Injured knee	23 2 5
Fuller, G. R.	Manuka	Gastritis	20 0 0
Boys, E.	Maori	Influenza	14 1 4
Watts, H.	Arahura	Abscess on leg	10 12 6
Wilson, W. W.	Southern Cross	Scalded	39 2 8
St. Clair, Y.	Ngatiawa	Injured hand	7 7 3
Morman, T. L.	Waipu	Crushed fingers	16 15 4
Linton, G.	Rimu	Poisoned hand	21 5 4
Gilmour, J.	Flora	Gastritis	22 6 0
Lindberg, R.	Rarawa	Catarrh	9 5 10
Whitley, G.	Taniwah	Abscess on leg	6 15 7
Bernsee, C.	Orapawa	Injured head	11 1 8
Cross, J.	Waiotahi	Burnt arm	11 14 4
Knox, H.	Talune	Sprained ankle	8 0 8
Carmichael, A.	Wairoa	Injured fingers	33 1 3
Whiting, T.	Whangape	Appendicitis	30 6 5
Treacher, H.	Makaura	Injured foot	4 17 6
Armour, P.	Cathket	Paralytic stroke	32 12 7
McDonald, N.	Rosamond	Injured foot	40 12 1
Murray, W.	Rakanoa	Injured testicles	34 13 10
Sinclair, J.	Rarawa	Pneumonia	8 14 0
Gloy, C.	Waimate	Pleurisy	4 1 0
Travis, A.	Calm	Broken arm (right)	14 9 0
Marsden, W.	Manaia	Injured knee	14 3 3
Bowden, J.	Kauri	Pneumonia	20 19 6
McLeod, M.	Kittawa	Appendicitis	12 14 4
Redmond, F.	Kaituna	Injured hand	9 18 4
Owler, J.	Kaeo	Brain concussion	10 11 10
Brindley, L.	Arawa	Hernia	19 2 0
Hansen, J.	Queen of the South	Inflamed ear	39 12 8
Carter, A.	Maori	Injured back	20 0 0
Doyle, O.	Corinthic	Pneumonia	18 16 0
Charming, P.	Alexander	Rheumatism	39 1 10
Gilray, A.	Maori	Dysentery	12 14 2
Joyce, J.	Rosamond	Injured shoulder	12 16 1
Killman, E.	Ngahuta	Influenza	34 3 3
Thompson, W.	Tutanekai	Carbuncle behind eye	12 0 0
Pollard, J.	Pateena	Injured ribs	11 3 9
Johanson, A.	Kamo	Sprained wrist	10 3 10
McLean, J. A.	Komata	Strained back	11 3 4
Hartnell, R.	Moeraki	Strained back	11 3 9
Grant, J.	Manuka	Injured leg	22 0 0
Allen, J.	Tutanekai	Deceased	19 15 0
O'Sullivan, M.	Mararoa	Influenza	12 15 9
McInnes, A.	Moeraki	Sciatica	30 0 9
Morrison, N.	Maori	Injured arm and hand	19 18 0
Sansey, J.	Nikau	Rheumatism	24 13 10
Fittis, C.	Putiki	Injured shoulder	26 17 1
Geo, G. S.	Te Anau	Erysipelas	11 15 0
Fitzpatrick, P.	Waihora	Pleurisy	7 4 6
Olsen, W.	Mararoa	Neurasthenia	8 7 9
Smith, R. J.	Mararoa	Rheumatism	9 5 2
Powell, H.	Mararoa	Burnt hand	17 6 6
Newell, R.	Mararoa	Strained shoulder	10 3 0
Doherty, G.	Mararoa	Catarrh	11 18 2
Nixon, A.	Maori	Pleurisy	9 10 6
Berry, A. H.	Kaitoa	Poisoned hand	22 15 0
Fotheringham, —	Komata	Lumbago	10 9 10
McGregor, J.	Ngatoro	Injured knee	11 1 6
Karvonan, C.	Karu	Injured back	12 16 3
Austin, H.	Mapourika	Strained back	11 14 0
Wilson, A. G.	Manuka	Catarrh	22 16 0
Bailey, W. F.	Palooa	Injured foot	17 6 0
Devonport, T.	Maori	Abscess on hip	10 0 0
Bass, W.	Kamo	Pains in back	22 11 10
Perry, F. R.	Kowhai	Sprained knee	18 12 10
Berg, G.	Port Hardy	Abscess in groin	38 11 0
Fuller, R.	Mararoa	Injured hand	10 16 0
Elton, W.	Maori	Injured leg	18 0 8

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.
Graham, T.	Ripple	Bronchitis	50	1	1
Stewart, J.	Kauri	Appendicitis	35	9	7
Carle, W.	Manuka	Influenza	22	0	0
Bryant, J. W.	Waitomo	Stomach pains	7	11	6
Mair, D.	Komata	Piles	21	18	7
Richardson, W.	Pateena	Measles	30	10	1
Johnstone, D.	Himitangi	Injured hand	11	15	2
Lane, F.	Paparoa	Pleurisy	10	7	6
Evans, R.	Te Anau	Pleurisy	35	11	8
Pearce, W.	Ngapuhi	Gastritis	11	3	6
Vanderspeek, W.	Kahu	Injured finger	7	13	3
Kirk, W.	Kotonui	Injured thumb	12	19	10
Robinson, G.	Manaia	Fractured ribs	13	6	11
Cook, F.	Manaia	Injured foot	12	4	0
Fleetwood, H.	Mako	Cut thumb	21	2	0
Langdon, T.	Oneroa	Injured knee	9	16	1
Loweridge, A.	Apanui	Rheumatism	20	12	5
Fitzpatrick, L.	Rarawa	Abdominal pains	10	9	4
Smith, B.	Wailora	Burnt face	21	17	0
Hucker, H.	Arahura	Cut foot	11	16	5
Santos, J.	Waimato	Hernia	8	9	6
Lincoln, F.	Kanieri	Nasal hæmorrhage	6	15	4
Sinclair, G. H.	Makura	Inflamed eyes	24	9	4
Rata, P.	Greyhound	Bruised face	17	18	3
Gilray, A.	Te Anau	Burnt arm	15	13	6
Lowe, J.	Ngapuhi	Pleurisy	11	15	0
Donnelly, M.	Te Anau	Serious burns	32	14	2
McClure, J.	Mararoa	Dyspepsia	7	19	5
Duffee, G.	Paparoa	Diabetes	19	3	0
Fraser, J.	Mararoa	Dyspepsia	12	17	0
Smith, C.	Kumara	Poisoned thumb	7	0	0
Denham, H.	Maori	Pains in back	14	11	3
Brennan, J.	Karamu	Injured back	13	18	4
Poulsen, P.	Moana	Gallstones	24	4	6
Rerd, H.	Pateena	Inflamed gland	9	9	11
Wallen, L.	Kahiki	Pains in stomach	10	4	0
Cargill, E.	Maori	Inflamed neck	18	15	9
Rankin, J.	Kennedy	Injured back	15	17	10
Watt, H.	Nikau	Laryngitis	23	0	8
Munro, A.	Himitangi	Neuritis	10	13	10
Kirby, T.	Athenic	Diphtheria	4	10	0
Hopkins, J.	Manaia	Sprained ankle	14	19	1
Underdown, G.	Manaia	Rheumatism	8	1	5
Rout, G.	Kanieri	Ricked side	14	18	9
Houghton, R.	Te Anau	Burnt face and arm	14	18	6
Nicholas, C.	Waitangi	Bruised shoulder	14	17	10
Staladi, M. C.	Flora	Injured back	14	6	5
Driffill, C.	Daphne	Injured thumb	8	12	1
Granman, C.	Alert	Fractured arm	19	3	5
Smith, J.	Rosamond	Rheumatism	13	9	4
Bremer, A. H.	Maui	Fractured arm	24	15	0
Gibbon, J.	Zealandia	Abscess in cheek	22	19	5
Finch, C.	Kini	Abscess under arm	18	12	8
Parker, J. H.	Canopus	Quinsy	12	7	4
Williams, C. A.	Nikau	Tonsillitis	13	10	4
Wishart, H. B.	Kakapo	Appendicitis	23	9	8
Whalen, C.	Wootton	Injured head	11	18	3
Botting, C.	Karamu	Contused leg	26	6	6
Innes, J.	Canopus	Crushed finger	19	9	6
Cuchuvelli, S.	Kini	Cut hand	14	18	9
McConochie, A.	Romucra	Gastric ulcers	19	10	3
Young, W.	Te Anau	Injured by fire	74	16	9
Macdonald, —	Te Anau	Injured by fire	74	18	9
Turner, W.	Talune	Injured testicles	14	17	10
Jack, G.	Waipori	Nephritis	12	3	2
Sarin, J.	Herald (scow)	Injured back	22	13	1
Woodthorp, J.	Rosamond	Poisoned finger	14	15	7
Anderson, A.	Talune	Rheumatism	20	10	6
Sands, C.	Kowhai	Scalded shoulder	12	11	8
Longley, A. G.	Flora	Strained back	22	2	3
Robertson, J.	Waitomo	Gastritis	18	5	0
Carter, A.	Maori	Influenza	30	4	8
Bone, A.	Maori	Injured finger	7	6	11
Smith, J.	Opawa	Injured back	12	9	9
Gunn, K.	Paloona	Injured knee	8	14	0
Dunn, J.	Kauri	Injured ribs	12	1	0
McPherson, D.	Waverley	Ricked back	9	8	7
Gustafsson, B.	Queen of the South	Influenza	18	6	9
Brien, P.	Kennedy	Bruised head and ribs	19	15	9
King, C.	Moana	Fractured arm	24	15	0
Suttie, J.	Pateena	Influenza	12	3	4
Murray, T.	Mapourika	Injured hip	11	7	7
Dooley, J.	Kamo	Influenza	12	6	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.
Miles, T.	Kini	Scalded eye	12 7 4
Woolf, G.	Wairau	Lumbago	10 19 10
Gillard, F.	Mokoia	Pains in back	9 10 8
Williams, P.	Moeraki	Injured fingers	50 4 9
Ladbury, M.	Ngahuta	Pleurisy	32 17 11
O'Connor, J.	Mapourika	Broken arm	31 15 7
Finlay, R.	Ngahere	Lumbago	13 6 3
Hurley, J.	Kaipoi	Cut head	35 12 6
Vasta, L.	Alexander	Lumbago	29 19 3
Retter, G. P.	Kaitoa	Injured shoulder	17 9 10
Ross, D.	Maori	Gastric catarrh	23 10 0
Sowden, P.	Maori	Contused arm	51 3 0
Newell, R.	Mararoa	Injured knee	26 19 9
Ali Mahomet	Opouri	Burnt arm	13 14 1
Rankin, D.	Kaituna	Rheumatism	13 13 10
Olson, G.	Kaitangata	Injured head	8 16 0
McLure, J.	Mararoa	Injured thigh	11 15 8
Eberhardt, G.	Rakanoa	Appendicitis	58 3 9
Ambrose, P.	Kana	Debility	14 14 0
Barry, R.	Palona	Appendicitis	11 7 0
Stip, R. J.	Mapourika	Strained back	10 4 10
Ullrich, W.	Breeze	Burnt face and arm	55 2 3
Brown, G. E.	Athenic	Abscess in thigh	14 16 0
Warcup, J.	Mararoa	Severe shaking	9 6 8
Strong, C.	Kennedy	Jarred thumb	9 7 4
Slaylor, W.	Monowai	Sprained ankle	15 5 5
Rosit, J.	Kaituna	Influenza	10 0 6
Hargin, W.	Mararoa	Crushed finger	29 6 2
Kirwan, F. Z.	Moana	Injured eye	15 2 0
Moss, A.	Maori	Piles	35 6 5
Denham, H.	Mapourika	Burnt face and hands	10 19 0
Smith, L. G.	Kini	Scarlet fever	34 13 10
Peterson, F. L.	Defender	Poisoned finger	32 7 7
Smith, G. A.	Whangape	Malarial fever	17 11 0
Grant, A.	Rarawa	General debility	9 5 8
Low, J.	Ngapuhi	Bruised body	14 5 3
Hoaro, J.	Kaitangata	Swollen foot	13 0 6
McDonald, L.	Clansman	Rheumatism	48 5 0
Angus, G.	Wakatero	Ricked back	39 9 4
McCormack, M.	Claymore	Body strained	9 17 3
Anderson, C.	Greyhound	Injured ribs	12 3 6
Malden, S.	Monowai	Injured foot	12 10 4
Solderman, J.	Te Teko	Septic arm	10 9 8
Warne, F.	Akaroa	Severe chill	15 10 11
Stewart, J.	Kauri	Ulcerated throat	12 4 11
Walsh, W.	Kaitangata	Injured fingers	31 8 1
Singleton, M.	Flora	Gastritis	23 6 8
Curtis, G.	Arahura	Acute eczema	25 16 1
McPike, G.	Rarawa	Inflamed hand	16 11 11
Anham, J.	Daphne	Injured toe	8 12 5
Davy, B.	Koi	Tonsillitis	14 16 9
Carroll, H.	Kittawa	Ruptured artery	58 18 7
Lopez, M.	Kini	Burnt hand	38 13 4
Smith, T.	Kakapo	Fractured ribs	19 18 8
McKenzie, A.	Kakapo	Bleeding piles	18 2 8
Ritchie, Mrs.	Maori	Sprained wrist	23 4 3
Reardon, W.	Canopus	Lumbago	66 13 6
Edgeworth, R. W.	Kittawa	Broken rib	16 15 9
Sutherland, A. T.	Kini	Sprained ankle	7 13 1
Glantey, P.	Westralia	Injured knee	46 6 11
Kelly, P.	Kakapo	Neuralgia	13 18 5
Rhodes, L.	Maori	Pains in stomach	8 0 4
Walker, J.	Mararoa	Pains in back	18 5 3
Whelan, J.	Maori	Pains inside	22 11 11
Bicknell, S.	Kamo	Injured knee	12 11 0
Alexander, G.	Maori	Influenza	19 1 0
Downes, H.	Maori	Septic elbow	10 16 5
Devalve, J.	Kamo	Sickness with retching	12 9 6
Culmer, J.	Kanieri	Pleurisy	28 1 9
Robertson, T.	Tarawera	Injured knee	9 19 1
Kyle, J.	Mako	Lumbago	7 8 7
Moir, L.	Taniwha	Poorness of blood	12 2 6
Ramsay, G.	Rarawa	Strained back	12 17 0
Vile, H.	Kittawa	Cut hand	14 1 1
Omholdt, K.	Dandy (scow)	Catarrh	6 18 0
Byson, T.	Rarawa	Bruised knee	20 7 6
Kneller, W.	Clio (schooner)	Injured knee	10 2 11
Larsen, K.	Clansman	Tonsillitis	9 1 10
Muir, C.	Waimarie	Crushed hand	9 11 2
Puleika, —	Awanui	Pneumonia	12 2 11
Evans, W.	Kanieri	Whitlow	15 14 2
McCormack, M.	Claymore	Hernia	18 16 9
Freland, J.	Te Anau	Bruised knee	18 18 3

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

Name of Seaman.	Name of Vessel.	Nature of Injury or Illness.	Amount paid in Wages, Maintenance, &c.
			£ s. d.
Wishart, D.	Baden Powell	Catarrh	9 6 4
Rothery, J.	Whangape	Pleurisy	20 12 8
Barber, P. G.	Talune	Influenza	20 18 0
Jones, J. O.	Kauri	Gastritis	23 4 9
Roy, R.	Kaitangata	Boils	11 11 7
Ritchie, R.	Waipu	Pneumonia	36 4 1
Heleiki, Tongo	Manaia	Pleurisy	16 1 11
Breen, J.	Opauui	Injured head	12 9 4
Burke, H.	Awanui	Pneumonia	29 6 7
Heleiki, —	Awanui	Pneumonia	6 17 4
Robertson, T.	Waitomo	Hæmorrhoids	5 17 0
St. Clair, J.	Kini	Crushed fingers	33 18 6
Dennis, J.	Waipu	Lumbago	25 16 1
Hilt, B.	Ngapuhi	Severe strain	19 5 0
Saul, A.	Monowai	Injured shin	21 3 11
Ting Ah Ling	Cyrena	Septic jaw	48 12 0
Brown, F. A.	Zealandic	Injured knee	8 13 0
Quinn, D.	Moeraki	Injured hand	7 14 0
Archer, J. T.	Maori	Rupture	32 7 8
Hurley, J.	Kamo	Crushed thumb	20 8 2
Kristainsen, —	Pateena	Conjestion of lungs	18 4 4
Nilsen, C.	Magie	Bronchial cold	10 11 0
Golder, H.	Baden Powell	Injured hand	9 9 4
Parker, W.	Huia	Strained leg	15 3 1
Yarrow, R.	Maori	Injured groin	50 9 4
Moore, F. G.	Koromiko	Appendicitis	43 18 8
Martin, W.	Mararoa	Appendicitis	25 14 8
Kums, A.	Kakapo	Rheumatism	46 4 0
Breman, J.	Tahiti	Injured shoulder	18 11 0
Swanson, H.	Alert	Injured wrist	10 12 9
Wangford, W.	Waimarie	Sprained back	13 2 1
McDonald, D.	Fairburn	Injured eye	37 18 0
Baxter, A.	Talune	Eczema	12 18 7
Mayers, W.	Navua	Burnt arm	11 16 1
Briggs, L.	Taniwha	Lacerated hand	16 6 10
Yates, C.	Rarawa	Septic finger	8 13 10
Robinson, E.	Apouri	Fractured rib	20 14 7
Sowman, C.	Gael	Fractured thumb	31 19 2
Tomlinson, —	Kaituna	Bruised leg	9 8 11
McPherson, A.	Hurinuui	Injured head	25 17 0
Cramer, A.	Zealandic	Gathered finger	19 16 6
Gray, W.	Opawa	Injured finger	8 5 6
Black, F. J.	Cygnat	Fractured ribs	19 0 8
Shee, A.	Ruapehu	Bullet wound in thigh	13 13 6
Spencer, H.	Maori	Injured shoulder and hip	10 16 3
Binns, C. E.	Mapourika	Sprained ankle	10 17 11
Fraser, J.	Mararoa	Stomach trouble	34 5 5
Nilson, E.	Conopus	Crushed finger	39 15 1
Burns, R.	Waipori	Ricked back	19 0 2
Bullock, C. C.	Corinna	Tonsillitis	16 17 10
Busten, T.	Maori	Cellulitis	13 17 2
Thompson, J.	Kahiki	Bronchial catarrh	13 8 1
Johansen, O.	Pohorua	Rheumatic gout	10 19 9
Riley, C.	Moeraki	Injured wrist	10 15 10
Holmer, E.	Kennedy	Sprained finger	13 2 2
Inverity, A.	Maori	Infected eye	30 2 8
Paul, J. M.	Maori	Sore throat	15 17 9
Messenger, H.	Huia	Injured foot	11 7 1
Davis, T.	Huia	Cramps	12 15 6
Wigert, G.	Karu	Appendicitis	28 1 8
Hansen, A.	Wakatu	Broken ribs	20 0 1
Burns, J.	Maori	Gastritis	10 16 2
Wilson, J.	Waihora	Neuritis	9 16 6
Stark, J.	Maori	Poisoned hand	7 6 11
Ramshaw, J.	Kittawa	Gastritis	8 4 4
Brancherd, W.	Waitomo	Injured foot	22 1 6
Pedersen, P.	Karu	Crushed toe	20 19 7
Walen, Z.	Himitangi	Injured ankle	9 3 0
Thomasson, J.	Maori	Lumbago	15 8 2
Klements, A.	Ripple	Broken finger	26 8 9
Conway, J.	Whangape	Septic finger	11 9 0
Gordon, D.	Rarawa	General debility	20 17 1
Haughey, J.	Wanaka	Injured shinbone	26 1 8
Smith, H.	Makura	Neuralgia	18 0 6
Tapps, F.	Waiotahi	Septic hand	6 15 7
Cousins, G.	Arahura	Cut hand	6 6 11
Bartlett, F.	Arahura	Injured back	13 11 9
Muir, C.	Waimarie	Strained back	13 11 1
Blackwood, W.	Kanerie	Injured hand	94 6 8
Huikuta, T.	Manaia	Pleurisy	40 11 11
Burnett, S.	Clansman	Severe cold	9 12 11
Perrott, D.	Kotiti	Injured thigh	23 4 8
Hurley, H. W.	Niagara	Injured knee	12 15 8

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.
Martin, P.	Taluno	Injured leg	27 15 7
Crosby, F. L.	Kini	Hernia	47 0 0
Watchpole, —	Ngatoro	Bronchitic asthma	10 5 4
Neilsen, C.	Orepuki	Broken ribs	25 14 2
Cutting, G.	Monowai	Rheumatism	18 4 11
Hughes, T.	Corinna	Fractured collarbone	27 10 0
Saunders, J.	Poherea	Gastritis	10 18 8
Debendale, C.	Poherea	Septic hand	12 10 6
Pornisky, F.	Te Anau	Measles	18 18 4
Elliott, A.	Flora	Measles	10 12 4
Stanley, D. J.	Waihora	Cut elbow	23 15 8
Creedon, J.	Flora	Pleurisy	12 9 0
Cherry, W. H.	Waihora	Malaria fever	12 2 3
Howe, F.	Manaia	Strained stomach	50 13 2
Anderson, T. R.	Flora	Appendicitis	77 19 3
Oakes, J. C.	Aupouri	Cut hand	15 10 4
Watts, W.	Hauiti	Injured leg	12 15 0
Brooker, T.	Rimu	Strained back	20 8 10
Wyllie, J.	Essex	Phthisis	13 7 6
Briggs, L.	Arahura	Strained back	5 19 2
Robertson, G.	Manaia	Crushed finger	5 19 6
Berry, A. H.	Regulus	Sprained ankle	18 18 1
Vidler, W. T.	Karamea	Injured hip	33 3 11
Battie, J.	Corinna	Broken ankle	60 6 6
Berling, O.	Echo	Ricked hip	9 2 6
Carmichael, J.	Koromiko	Injured finger	7 4 0
Preachey, E.	Maori	Gastritis	6 16 4
Shadbolt, A.	Maori	Rheumatism	11 9 6
Williams, T.	Maori	Injured foot	17 5 3
Austin, E.	Australmead	Malarial fever	17 11 0
Garland, F.	Pateena	Injured thumb	9 14 0
Greenshields, T.	Mapourika	Interior pains	39 5 4
Francis, H.	Kahika	Crushed back and ribs	10 18 6
Cowan, J.	Te Anau	Influenza	16 6 8
Brien, P.	Hawera	Injured wrist	10 10 6
Orme, W.	Rakanoa	Poisoned finger	62 5 8
McKenzie, F.	Puteki	Poisoned finger	22 13 7
Day, H.	Mararoa	Sore throat	10 8 8
Gillanders, L.	Ngatoro	Sprained ankle	18 12 4
Martin, H.	Kia Ora	Bad eyes	3 9 6
Kilworth, L.	Monowai	Scalded	24 6 1
Hood, J. L.	Kamo	Injured finger	20 0 0
Aymes, C.	Maori	Poisoned arm	25 3 6
Cochrane, J.	Maori	Influenza	14 8 9
Turner, E.	Mararoa	Pharangitis	12 1 1
Sweet, R.	Maori	Influenza	11 2 0
Cameron, H.	Tarawera	Tonsillitis	12 19 10
Keys, T. G.	Maori	Strained groin	10 11 4
Jackson, G.	Monowai	Ricked back	13 5 10
White, W.	Kiatia	Injured hand	7 13 5
Clark, J.	Awahau	Injured back	12 11 0
Francy, R.	Hororata	Injured knee	21 16 6
Hungerford, B.	Taniwha	Poisoned hand	5 3 2
Cleary, C.	Flora	Strained stomach	29 0 6
Sussex, S. S.	Flora	Bruised foot	18 8 3
Caplin, S.	Aupori	Injured hand	7 2 6
Middleton, M.	Whangape	Bruised shoulder	10 17 5
Lynne, A.	Endeavour	Injured knee	11 11 7
Wilson, C.	Ngatiawa	Cold in kidneys	7 16 10
Storm, G.	Taniwha	Inflamed tonsils	9 8 0
Bartlett, F.	Arahura	Hæmorrhago	43 2 5
Laybourne, R. E.	Maori	Injured back	15 6 9
Wiels, P.	Maori	Influenza	10 7 5
McLaughlan, C.	Hawera	Hernia	53 15 11
Carter, A.	Kowhai	Strained back	15 12 7
Cartier, E. W.	Kaituna	Pains inward	24 15 5
Connelly, T.	Kokiri	Sprained back	10 18 6
Humphreys, J.	Port Melbourne	Valvular disease	14 7 0
Williams, P. D.	Mararoa	Severe pains	30 6 11
Curtis, E.	Mararoa	Erythema	28 10 9
Campbell, R.	Maori	After-effects of operation	18 9 3
Kelly, F.	Kaituna	Nervous breakdown	17 9 3
Henderson, R.	Maori	Poisoned hand	7 15 14
Lowe, J.	Kahu	Heart attack	19 2 5
Buckley, M.	Kaitoa	Inflamed eye	9 13 0
Cotterall, H.	Manuka	Pains in stomach	7 15 3
Coleman, M.	Tofua	Injured knee	17 15 6
		Total	7,832 16 4

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, 1918.

Name of Person.	Position held.	Ship.	Particulars of Offence, &c.	Date of Conviction.	Penalty imposed.
T. W. Good	A.B.	Antiope	Desertion	26/3/17	To pay £2 18s. costs.
J. Toro	"	"	"	26/3/17	"
J. Hedges	Boatswain	Kumara	Absent without leave	15/6/17	Forty-eight hours' imprisonment, and be placed on board ship before sailing.
A. Elgen	A.B.	Whakatane	Disobeying lawful commands	29/5/17	To pay 10s. and costs.
E. Kane	"	"	"	29/5/17	"
G. Karlson	"	"	"	29/5/17	"
D. Vanderhurst	"	"	"	29/5/17	"
G. McKenna	"	"	"	29/5/17	"
T. Farley	Fireman	Kaikoura	Desertion	1/6/17	Fined 10s., and be placed on board ship before sailing.
E. Smith	"	Leitrim	Disobeying lawful commands	8/3/17	Fined.
J. Allen	A.B.	Port Napier	Desertion	16/5/17	"
J. Davies	"	"	"	16/5/17	Fined £2 or fourteen days' imprisonment.
T. Kene	"	Whakatane	Disobeying lawful commands	19/5/17	Fined £1 or fourteen days' imprisonment.
E. White	Fireman	Tahiti	Theft	24/5/17	Fined £1 or seven days' imprisonment.
J. Mathews	"	Ngakuta	Seditious strike charges	17/7/17	One month's imprisonment.
R. Hand	"	"	"	17/7/17	Fined £6 and costs £1 10s.
W. Major	"	"	"	17/7/17	Fined £2 and costs £1 10s.
W. M. Green	"	"	"	17/7/17	"
C. McLean	"	"	"	17/7/17	"
P. Titshall	"	"	"	17/7/17	"
W. Sime	"	"	"	17/7/17	"
G. Ancombe	"	"	"	17/7/17	"
G. Pevreal	Cook	"	Absent without leave	25/9/17	Fined two days' pay.
J. Gallagher	Fireman	Westmorland	"	3/8/17	Fourteen days' imprisonment, and to be placed on board ship.
T. Wainwright	"	Wallsend	Desertion and making false declaration	10/10/17	"
J. Higgins	"	"	Desertion	11/10/17	Ordered to pay costs.
J. Davis	"	Inga	"	11/10/17	"
P. Russell	"	"	Absent without leave	23/10/17	Ordered to pay 7s. costs.
G. Davis	"	"	"	23/10/17	"
G. Outram	"	Orari	Desertion	24/10/17	One month's imprisonment.
J. Ferguson	"	Tofua	Assault	6/11/17	Two months' imprisonment.
R. Buckley	"	Cullala	"	15/11/17	Six weeks' imprisonment.
G. Pevreal	A.B.	Houto	"	26/9/17	Fined two days' pay.
J. Patterson	Cook	Remuera	Absent without leave	16/11/17	Fourteen days' imprisonment.
J. Canavan	A.B.	Karamea	"	30/11/17	Fined two days' pay.
M. Maloney	"	"	"	30/11/17	Fined £1 or two days' hard labour.
A. Marshall	Fireman	"	"	30/11/17	"
E. C. Smith	A.B.	Rimutaka	Desertion	4/12/17	One month's imprisonment.
N. Kurokawa	"	Kumara	Assault	11/12/17	Fourteen days' imprisonment.
P. McPhillips	Fireman	Mahia	Desertion	11/12/17	One month's imprisonment.
G. Robinson	"	Ruahine	Absent without leave	8/2/18	Fined two days' pay.
J. Sage	Trimmer	"	"	8/2/18	"
R. Taylor	Fireman	"	"	8/2/18	"

J. O'Neil	Fireman	Ayrshire	Broaching cargo	..	..	27/2/18	Three months' imprisonment.
W. J. Budd	Trimmer	"	"	..	..	27/2/18	Fined £5.
C. Fowler	Apprentice	Port Pirie	Desertion	..	..	2/3/18	To be placed on board ship.
J. W. Pratt	"	"	"	..	..	2/3/18	"
S. Fosse	Trimmer	Essex	Absent without leave	..	..	5/3/18	Fourteen days' imprisonment.
S. Jenkins	A.B.	Arawa	"	..	..	11/3/18	Fourteen days' imprisonment.
J. Holcome	Cook	Amy Turner	Desertion	..	..	16/3/18	To be placed on board ship.
D. Powell	A.B.	Arawa	Absent without leave	..	..	14/3/18	Fourteen days' imprisonment.
P. Legg	Fireman	Armagh	Desertion	..	..	19/3/18	Convicted and discharged.
W. Kilroy	"	Arawa	"	..	..	21/3/18	Seven days' imprisonment.
R. Hall	Steward	Kia Ora	"	..	..	21/3/18	"
W. Lee	"	Arawa	Absent without leave	..	..	26/3/18	Convicted and discharged.
W. Brady	Greaser	Runic	Willful disobedience	..	..	27/3/18	One month's imprisonment.
A. Rennie	A.B.	Fairburn	Absent without leave	..	..	8/1/18	Convicted and discharged.
D. McLeod	"	Manurewa	"	..	..	7/2/18	Fourteen days' imprisonment, and to be placed on board ship.
W. Fickling	Cabin-boy	"	"	..	..	18/3/18	Fined two days' pay or forty-eight hours' imprisonment.
J. W. Halcome	"	"	"	..	..	18/3/18	Fourteen days' imprisonment.
W. Fickling	A.B.	"	"	..	..	19/3/18	Fined two days' pay or seven days' imprisonment.
H. Anderson	"	"	"	..	..	19/3/18	"
C. Anderson	"	"	"	..	..	19/3/18	"
W. Fickling	"	"	Disobeying lawful commands	..	..	19/3/18	Fourteen days' imprisonment.

RETURN OF ACCIDENTS TO WATERSIDE WORKERS REPORTED TO THE MARINE DEPARTMENT DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1918.

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.
1917.				
April 2	J. Robin ..	Fractured pelvis ..	Auckland ..	Plank fell on his back.
" 7	J. H. Phillips ..	Bruised ankle ..	Auckland ..	Hatch fell on his ankle.
" 15	F. Blackhouse ..	Injured back ..	S.s. "Zealandia," Wellington ..	Struck with case of cheese.
" 21	F. G. Cox ..	Fractured skull (fatal) ..	S.s. "Jonie," Port Chalmers ..	Fell down hold.
" 25	A. Campbell ..	Broken ankle ..	S.s. "Turakina," Wellington ..	Slipped on vessel's deck while carrying bale of cargo.
May 3	W. Wilkie ..	Contusion of elbow ..	Wanganui Wharf ..	Struck by truck of cargo.
" 10	E. Dunn ..	Cut finger ..	S.s. "Kurou," Timaru ..	While unloading cargo.
" 19	J. J. Loader ..	Crushed fingers ..	No. 7 Jetty, Lyttelton ..	While receiving cargo.
" 21	S. Seabrook ..	Sprained ankle ..	Glasgow Wharf, Wellington ..	Fell from stack of wool.
" 21	L. Brackler ..	Lacerated hand ..	No. 2 Jetty, Lyttelton ..	Caught by wool hook.
" 29	H. Coe ..	Injured shoulder ..	King's Wharf, Wellington ..	Struck by piece of coal.
June 1	J. Stütt ..	Injured leg ..	Gladstone Pier, Lyttelton ..	Struck by piece of timber.
" 7	E. Crawshaw ..	Hernia (strained) ..	Onehunga ..	While lifting mail-case.
" 8	A. Gardiner ..	Injured leg ..	Gladstone Pier, Lyttelton ..	Struck by piece of timber.
" 8	R. Grounds ..	Bruised knee and leg ..	S.s. "Wairuna," Dunedin ..	While working cargo.
" 12	L. Lawrence ..	Dislocated shoulder ..	Railway Wharf, Wellington ..	Struck by motor-lorry.
July 1	W. Lewis ..	Injured toe ..	Kings Wharf, Wellington ..	Ladder fell on toe.
" 2	C. Lambert ..	Injured finger ..	Jervois Quay, Wellington ..	Struck by case falling out of sling.
" 7	J. H. Scott ..	Bruised hand ..	S.s. "Canopus," Timaru ..	While unloading cargo.
" 18	J. Hobson ..	Scalp wound ..	S.s. "Rushine," Auckland ..	Struck by falling timber while in hold.
" 18	C. J. McGregor ..	Injured shoulder ..	S.s. "Rushine," Auckland ..	Struck by falling timber while in hold.
" 18	James Duff ..	Crushed foot ..	S.s. "Rushine," Auckland ..	Struck by falling timber while in hold.
" 19	Joseph King ..	Injured ankle ..	Onehunga Wharf ..	Fell off railway truck.
" 19	W. Halifax ..	Injured finger ..	Onehunga Wharf ..	Fell on wharf.
Aug 9	W. Kurth ..	Internal injury ..	Railway Wharf, Wanganui ..	Knocked out of railway truck.
" 17	G. Johnstone ..	Injured ankle ..	Railway Wharf, Wellington ..	Jammed between mooring-post and sling of timber.
" 27	W. J. Cattle ..	Bruised body ..	No. 2 Wharf, Lyttelton ..	Knocked out of wagon.
" 28	D. Taylor ..	Injured finger ..	S.s. "Kamo," Auckland ..	Finger caught in bull-rope.
Sept. 4	H. Spear ..	Injured foot ..	S.s. "Niagara," Auckland ..	Foot jammed between two bales of wool.
" 24	S. Simms ..	Injured groin ..	S.s. "Westmorland," Auckland ..	Struck by beam in hold.
" 28	M. Tobin ..	Crushed leg ..	S.s. "Westmorland," Auckland ..	Barrel rolled on leg.
" 1	C. Tucker ..	Injured foot ..	S.s. "Westmorland," Auckland ..	Piece of iron fell on foot.
Oct. 23	W. Walker ..	Sprained ankle ..	Bluff Wharf ..	Struck by sling of cargo
" 2	F. Silk ..	Broken collar-bone ..	Queen's Wharf, Wellington ..	Struck by coal-basket.
Nov. 2	W. Pickworth ..	Injured foot ..	S.s. "Rimutaka," Dunedin ..	Nail ran into foot.
" 5	G. Duncan ..	Injured hand ..	S.s. "Rimutaka," Dunedin ..	Hand torn by nail.
" 5	P. Drinnan ..	Broken leg ..	S.s. "Victoria," Dunedin ..	Sack of sugar fell on leg.
" 8	W. Hodgson ..	Injured head ..	Hobson Street Wharf, Auckland ..	Struck on head by sling of timber.
" 19	F. Quantell ..	Injured eye ..	King's Wharf, Auckland ..	Struck on eye by piece of timber.
" 21	J. C. Fanini ..	Injured arm ..	No. 6 Jetty, Lyttelton ..	Arm caught in door of truck.
" 22	J. Sayers ..	Injured finger ..	Queen's Wharf, Wellington ..	Fell on wharf.
" 30	A. Eatham ..	Injured finger ..	No. 6 Jetty, Lyttelton ..	Finger caught in sling.
Dec. 1	W. Miller ..	Injured head ..	King's Wharf, Auckland ..	Struck on head with a hook.
" 4	P. Drumm ..	Injured leg ..	S.s. "Victoria," Dunedin ..	Cask fell on leg.
" 6	O. Johnson ..	Fatal injuries ..	No. 6 Jetty, Lyttelton ..	Knocked out of railway truck.
" 18	H. McHaffie ..	Injured shoulder ..	S.s. "Wimmera," Dunedin ..	Fell down hold.

Dec	21	L. Parlbv	..	..	..	..	Queen's Wharf, Auckland	..	Box of butter fell on foot.
"	24	T. Thompson	..	..	..	..	S.s. "Sydie," Dunedin	..	Hand lacerated with barb-wire.
"	28	W. Lumb	..	..	..	..	S.s. "Sydie," Dunedin	..	Hand lacerated with barb-wire.
"	30	S. Marshall	..	..	..	..	No. 7 Jetty, Lyttelton	..	Fell out of railway truck.
"	31	R. Lynch	..	..	..	..	Queen's Wharf, Auckland	..	Struck by bale of hay.
1918.									
Jan.	12	H. Dickson	..	..	..	..	S.s. "Flora," Auckland	..	Fell down hold.
"	14	H. Priestly	..	..	..	..	S.s. "Suevic," Wellington	..	Bar of lead fell on foot.
"	23	O. Christin	..	..	..	..	S.s. "Calm," Wellington	..	Beam fell on ankle.
Feb.	11	L. Brown	..	..	..	..	S.s. "Huronui," Auckland	..	Fell down hold.
"	13	W. James	..	..	..	..	S.s. "Waitomo," Lyttelton	..	Toe crushed with sacks.
"	16	J. Frost	..	..	..	..	S.s. "Arahura," Auckland	..	Bale of paper fell on ankle.
"	16	R. Little	..	..	..	..	S.s. "Kaitangata," Auckland	..	Struck by basket of coal.
"	22	G. Smith	..	..	..	..	S.s. "Kaiapoi," Lyttelton	..	Struck by sling of cargo.
"	22	J. Way	..	..	..	..	Nelson Wharf	..	Fell off truck.
Mar.	4	H. McKinnon	..	..	..	..	S.s. "Canopus," Auckland	..	Fell while at work.
"	15	J. Pearson	..	..	..	..	S.s. "Port Hacking," Auckland	..	Case fell on ankle.
"	20	J. James	..	..	..	..	S.s. "Manganui," Wellington	..	Struck by falling cases.
"	25	G. Lowe	..	..	..	..	S.s. "Navua," Auckland	..	Struck by sack of wheat.
"	26	C. Paul	..	..	..	..	S.s. "Breeze," Dunedin	..	Caught between hatch-combings.

RETURN SHOWING THE NOTICES TO MARINERS RELATING TO MATTERS WITHIN THE DOMINION
ISSUED BY THE MARINE DEPARTMENT DURING THE YEAR ENDED 31ST MARCH, 1918.

Port or Place.	Subject of Notice.
Auckland Harbour	Dredger "Hapai."
"	Beacons replaced on the Motuihi Reef and Brown's Island Reef.
"	Fog-signal, western tide-deflector.
"	Erection of beacons off St. Mary's Bay.
"	Beacon off Brown's Island knocked down.
"	Beacon off Brown's Island re-erected.
"	Beacons off St. Mary's Bay—amendment of notice <i>re</i> bearings.
"	Prohibited anchorage for defence purposes.
"	Lights on Central Wharf, Commercial Harbour.
"	Lights shown on Central Wharf.
"	Beacon north-east of Kohimarama Wharf knocked down.
"	Beacon north-east of Kohimarama Wharf re-erected.
"	Dredger "Hapai"—position of moorings.
"	Position of dredgers moored at Freeman's Bay Reclamation.
"	Substitution of beacons for buoys in Rangitoto and Brown's Island channels.
Bluff Harbour	Dredge-moorings.
Hauraki Gulf	Maori Rock beacon disappeared.
Hokianga Harbour	Bearings of Main Channel for Hokianga Bar.
"	Hokianga River entrance—Bar changes.
Kaipara Harbour	Entrance to South Branch towards Helensville.
"	Shelly Beach buoy sunk.
"	Signal-station at North Head under repair.
"	Repairs to signal-station completed.
Kawhia Harbour	Kawhia Bar beacons.
Manukau Harbour	Shoaling west of Puponga Point.
Napier Harbour	Tide signals at Port Napier.
"	Light exhibited on Auckland Rock Buoy.
"	Auckland Rock light-buoy replaced.
New Plymouth Harbour ..	Lights exhibited by New Zealand Iron-ore Smelting Company.
New Zealand Coast	Depth of Ranfurly Bank, off East Cape.
"	Tables for azimuths, great-circle sailing, and reduction to the meridian— <i>Errato</i> .
"	Light exhibited by Messrs. Buchanan and Co., near Greymouth.
"	Derelict in Pacific Ocean.
"	Derelict in Pacific Ocean.
"	Examinations of masters and mates—Instruction <i>re</i> books, &c.
"	"New Zealand Nautical Almanac and Time-tables for 1918," and Supplement, &c.,
"	"New Zealand Pilot."
"	Examination of masters and mates—Notice to candidates.
"	Fire danger through electric hand-torch.
Patca Harbour	Extension of western mole and eastern breakwater.
Pelorus Sound	Oke Rock beacon and Kainoki Rock buoy.
Piako River	Bridge at Ngatea completed.
Picton Harbour	Lights on Railway Wharf.
Poverty Bay	Gisborne Harbour leading-lights.
"	Gisborne roadstead—Dredge-moorings laid at harbour entrance.
"	Gisborne roadstead—Removal of light-buoy marking Temoana Rock.
"	Gisborne roadstead—Light-bouy marking Temoana Rock to be reinstated.
Red Mercury Island	Rock shoal south-east of island.
Tokomaru Bay	Waima Cove considerably silted up.
"	Hikutu Rock buoy changed.
"	Hikutu Rock buoy replaced.
Tauranga Harbour	Harbour light.
"	Erection of dolphin and light at the north end of Stellar Passage.
Wairoa Harbour	Wairoa roadstead survey.
Wanganui Harbour	Caution to mariners <i>re</i> cutting too closely round end of mole.
"	Position of dredger.
Wellington Harbour	Lights on Seatoun and Karaka Bay Wharves.
Westport Harbour	Position of dredger "Erskine."
Whangarei Harbour	Mooring-buoy placed east of Portland Cement Company's wharf.
Whitianga Harbour	Light on Mercury Bay wharf.
Waikato River	Re-erection of beacons at river entrance, and direction for vessels entering.
"	Erosion of cliff at North Head—Position of beacons.

RETURN SHOWING THE ORDERS IN COUNCIL WHICH HAVE BEEN ISSUED DURING THE YEAR ENDED
31ST MARCH, 1918.

Date of Order.	Purpose of Order.
1917.	
April 2	Alters representation of certain combined districts on the Auckland Harbour Board and appoints principal authorities.
" 17	Approves plans M.D. 4771 and 4760 of a canal which the Birkenhead and Northcote Gas Company (Limited) proposes to construct to its property in Little Shoal Bay, Northcote, Auckland Harbour, and authorizes the company to construct such canal.
" 17	Consents to the Motueka Harbour Board leasing for a period of twenty-one years to Dr. Valentine Herbert Barr, of Nelson, a portion of the foreshore known as Moutere Inlet, estimated to contain 1 rood 20 perches.
" 17	Revokes Order in Council licensing G. B. Watson to occupy foreshore at Pakawau as a site for tram-line.
" 17	Revokes Order in Council licensing G. B. Watson to occupy foreshore at West Wanganui Inlet as a site for tram-line.
" 26	Approves plans M.D. 4756 and 4684 of a bridge which the Gisborne Borough Council proposes to construct over the Taruheru River, and licenses the occupation of such land as necessary.
May 2	Approves plans M.D. 4759 and M.D. 4769 of a boat-shed which H. T. Gillies proposes to erect on the foreshore of Tamaki River, Hauraki Gulf.
" 2	Licenses H. T. Gillies to use and occupy a part of the foreshore and land below low-water mark of Tamaki River as a site for a boat-shed for a period of fourteen years.
" 8	Approves plan M.D. 4753, and authorizes the Akaroa Borough Council to construct a concrete retaining-wall, subject to the condition that it is built of a batter of 1 in 8, that it is carried down at least 1 ft. into good solid foundation, and that there is a set off of 6 in.
" 8	Approves plan M.D. 4768 of a launch-slip which T. S. Joyce proposes to construct at Motu Arahī Islet.
" 8	Licenses T. S. Joyce to use and occupy a part of the foreshore and land below low-water mark at Motu Arahī Islet, near Paihia, Bay of Islands, as a site for a launch-slip, for a period of fourteen years.
" 8	Revokes Order in Council licensing Messrs. F. A. Rich and S. Jeffreys to use and occupy foreshore and land below low-water mark at Tukituki Bay as a site for a wharf.
" 15	Approves plan M.D. 4704 of an arch bridge which the Waikato County Council proposes to construct over the Waikato River at Horotiu, and authorizes the construction in accordance with such plan.
" 15	Licenses William Richard Lawrence to use and occupy a part of the foreshore and land below low-water mark at Totara North, Whangaroa Harbour, as a site for a wharf, for a period of fourteen years.
" 15	Approves plan marked M.D. 4761 of a wharf which F. Waller and E. G. Elliott propose to erect at East Tamaki, Auckland, subject to the condition that the caps shall be 13 in. by 8 in.
" 15	Licenses Frederick Waller and Edward Glenivet Elliott to use and occupy a part of the foreshore and land below low-water mark at East Tamaki, Auckland Harbour, as a site for a wharf, for a period of fourteen years.
" 23	Vests part of the foreshore at Plimmerton and Paekakariki in the Hutt County Council for a period of twenty-one years.
" 28	Amends scale of dues for the use of Waitapu Wharf
June 5	Approves plan M.D. 4762 of a boat-slip which J. A. Johnston proposes to erect on the foreshore at Kaikoura.
" 5	Licenses J. A. Johnston to use and occupy a part of the foreshore at Kaikoura as a site for a boat-slip, for a period of fourteen years.
" 5	Approves plan M.D. 4775 of a lock which the Southland County Council proposes to construct across the Titiroa Stream at north-eastern corner of Section 9, Block VII, Toetoes Survey District, and authorizes the County Council to carry out the work.
" 11	Fixes dues for the use of the wharf at Port Fitzroy, Great Barrier Island.
" 11	Makes regulations under the War Regulations <i>re</i> the control of shipping.
July 2	Alters regulations for perch-fishing in the Wellington Acclimatization District.
" 2	Approves plan M.D. 4747 of a wharf and breakwater which the Marlborough Timber Company proposes to erect at Mussel Beach, Te Waewae Bay, Southland.
" 2	Licenses the Marlborough Timber Company to use and occupy a part of the foreshore and land below low-water mark at Mussel Beach, Te Waewae Bay, Southland, as a site for a wharf and breakwater, for a period of fourteen years.
" 2	Makes regulation for the protection of life on ships.
" 9	Approves plan M.D. 4799 of timber-booms on the Waihoihoi Stream for Christopher McKay.
" 9	Licenses Christopher McKay to occupy a site for timber-booms on the Waihoihoi Stream for a period of fourteen years.
" 9	Licenses Leyland O'Brien Timber Company (Limited) to use and occupy a part of the foreshore and land below low-water mark of Wharekawa River as a site for timber-booms, for a period of five years.
" 16	Approves plan M.D. 4802 of a wharf which the Whakatane Harbour Board proposes to erect at the freezing-works, about three miles from the entrance to Whakatane River.
" 16	Revokes Order in Council licensing Mrs. Eliza Wallen to use and occupy a part of the foreshore of Taipa River, Mangonui Harbour, as a site for a storehouse.
" 16	Approves plan M.D. 4693 for a reclamation between Haha Creek and the railway-line at Kioreroa, Whangarei.
" 16	Makes a special order authorizing the Whangarei Harbour Board to reclaim land between Haha Creek and the railway-line at Kioreroa, Whangarei Harbour.
" 23	Fixes dues for the use of the wharf at Ponui Island, Hauraki Gulf.
" 23	Vests management of the Mapua Wharf, Waimea River, in Nelson Harbour Board.
" 30	Revokes Order in Council licensing Frank Rattenbury to use and occupy a part of the foreshore and land below low-water mark of Tongaporutu River, Taranaki, as a site for a wharf.
" 30	Licenses Richard O'Donnell, sen., to use and occupy a part of the foreshore and land below low-water mark of Tongaporutu River, Taranaki, as a site for a wharf, and makes regulations and prescribes dues for the use of same, for a period of seven years.
" 30	Vests the management of a building, Kaipara, in trustees, for a period of fourteen years.
" 30	Amends regulations for trout, carp, and perch fishing in Waimarino district.
Aug. 13	Approves extension of Elmslie Bay Wharf at French Pass, which is to be carried out by Messrs. Wallace Thomas Webber, Andrew Hegarty, and Allan John Woodman, trustees of the wharf; also licenses occupation of necessary tidal land for the extension.
" 13	Amends general Harbour Regulations <i>re</i> watches to be kept on ships within any harbour.
" 20	Licenses the Whangarei Freezing Company to occupy a part of the land between high- and low-water marks in the Whangarei Harbour, and to reclaim such land, as shown on plan M.D. 4801.

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

Date of Order.		Purpose of Order.
1917		
Aug.	25	Approves plan M.D. 4772 of landing-stage for a ferry which the Thames County Council proposes to construct on the Waihou River at Kopu, and authorizes the Council to construct these works, subject to the condition that a light is kept burning every night from sunset to sunrise on one of the guiding-posts at each side of the river.
"	25	Approves plan M.D. 4825 of a wharf which the Whakatane Harbour Board proposes to construct at the freezing-works, about three miles from the entrance to Whakatane River, and authorizes the Board to construct the wharf in accordance with this plan instead of in accordance with plan M.D. 4802, which was approved by the Governor-General in Council on the 16th July, 1917.
"	25	Prohibits trawling in a portion of Whangarei Bay.
Sept.	3	Revokes Order in Council licensing the Leyland-O'Brien Timber Company (Limited) to use and occupy a part of the foreshore and land below low-water mark at the junction of Owai Creek and Karetu River, Bay of Islands, as a site for a timber-boom.
"	10	Approves plan M.D. 4826 of a wharf which William McCraith proposes to erect at Pukehuia, Wairoa River, Kaipara Harbour.
"	10	Licenses William McCraith to use and occupy a part of the foreshore and land below low-water mark at Pukehuia, Wairoa River, Kaipara Harbour, as a site for a wharf, for a period of fourteen years.
"	17	Prohibits trawling in Bon Accord Harbour, Kawau Island, and Port Fitzroy and Port Abercrombie Harbours, Great Barrier Island.
"	17	Licenses George Russell Fellows to occupy a part of the foreshore of Manukau Harbour, as shown on plan M.D. 4081, for a further period of two years, for the purpose of extracting gold from the ironsand thereon.
"	17	Licenses George Chamberlin to use and occupy a part of the foreshore, Ponui Island, Hauraki Gulf, as a site for a wharf, for a further period of fourteen years from 24th August, 1917.
"	21	Makes regulations for the taking of salmon and trout, also proclaims Waitaki and Rangitata Rivers to be salmon rivers.
"	21	Empowers any acclimatization society, with the approval of the Minister, to prohibit the use of torches for eel-fishing in any river in its district.
"	24	Alters the regulations for trout and perch fishing in the Wellington Acclimatization District.
"	24	Vests the management of the Pigeon Bay Wharf in the Pigeon Bay Road Board for a period of fourteen years.
"	24	Approves plan M.D. 4832 of a diving-pier which the Wellington City Council proposes to erect at Island Bay, Wellington, and authorizes the Council to carry out the work in accordance with the said plan.
Oct.	24	Prescribes rates and dues for the use of Messrs. Andrewes and Sons' wharf at Opononi, Hokianga Harbour.
"	1	Makes regulations under the Fisheries Act, 1908, for trout-fishing in the South Canterbury Acclimatization District.
"	1	Makes regulations under the Fisheries Act, 1908, for trout-fishing in the Opotiki Acclimatization District.
"	8	Amends regulations for trout-fishing in the Auckland Acclimatization District.
"	8	Revokes Order in Council licensing Messrs. Stratford, Goss, and Tennent to use and occupy a part of the foreshore and land below low-water mark of the Karamea River, as a site for a wharf.
"	15	Approves plans marked M.D. 4795 and M.D. 4764 of a wharf and shed which the Waikato Shipping Company proposes to erect on the foreshore of the Waikato River at Mercer.
"	15	Licenses the Waikato Shipping Company to use and occupy a part of the foreshore and land below low-water mark of the Waikato River at Mercer, as a site for a wharf and shed, for a period of fourteen years.
"	23	Approves plan M.D. 4842 of timber-booms which George Campbell, Robert Campbell, and William Campbell propose to erect on the foreshore of Wairakau Creek.
"	23	Licenses George Campbell, Robert Campbell, and William Campbell to use and occupy a part of the foreshore and land below low-water mark of the Wairakau Creek, as a site for timber-booms, for a period of fourteen years.
"	23	Approves plan M.D. 4822 of a footbridge which the Castor-oil Bay Land Company (Limited) proposes to erect over the Wairau Creek between the Takapuna Borough and the Waitemata County, and authorizes the company to construct the bridge in accordance with the plans.
Nov.	5	Amends regulations for the examination of locomotive and traction-engine drivers.
"	12	Approves plans M.D. 4728 and 4742 showing the site of the proposed slipway which Messrs. L. A. Walsh, V. C. Walsh, and Reuben Arthur Dexter propose to construct on the foreshore and land below low-water mark at Kohimarama, for use in connection with an aviation school.
"	12	Licenses Messrs. L. A. Walsh, V. C. Walsh, and R. A. Dexter to use and occupy a part of the foreshore and land below low-water mark at Kohimarama as a site for a slipway and aviation school, such license to be in force during the currency of the present war or until the 31st May, 1922, whichever terminates first.
"	12	Amends regulations for trout-fishing in the Auckland Acclimatization District.
"	15	Defines the limits of Whakatane Harbour.
"	19	Approves plan marked M.D. 4858 of a shed which Arthur Sylvester Turner proposes to erect on the foreshore at Bulwer, Pelorus Sound.
"	19	Licenses Arthur Sylvester Turner to use and occupy a part of the foreshore at Bulwer, Pelorus Sound, as a site for a shed, for a period of fourteen years.
"	26	Revokes Order in Council licensing Thomas Hartley and Son to use and occupy a part of the foreshore and land below low-water mark in the Waima River, Hokianga, as a site for timber-booms.
Dec.	3	Approves plan M.D. 4847 of a wharf which the Hokianga County Council proposes to construct at Te Teo, Hokianga.
"	3	Licenses the Hokianga County Council to use and occupy a part of the foreshore and land below low-water mark at Te Teo, on the Mangamuka Creek, in Hokianga Harbour, as a site for a wharf, for a period of fourteen years.
"	10	Makes regulations governing life-saving appliances for ships.
"	11	Approves plan M.D. 4875 of an extension of the new coal-loading crane wharf at Westport, shown in red on plan.
"	11	Approves plan M.D. 4872 of groynes which the Gisborne Harbour Board proposes to construct for the purpose of obtaining greater scour and maintaining increase of depth at the town berthages.
"	11	Revokes Order in Council licensing the Seaford Coal Company (Limited) to use and occupy a part of the foreshore at Pakawau as a site for a tramway.
"	11	Revokes Order in Council licensing the Seaford Coal Company (Limited) to use and occupy a part of the foreshore of Golden Bay as a site for a wharf.
"	11	Revokes Order in Council licensing the Seaford Coal Company (Limited) to use and occupy a part of the foreshore at Pakawau as a site for a wharf.

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

Date of Order.	Purpose of Order.
1917.	
Dec. 11	Makes regulations for the protection of life and property on ships.
" 11	Makes additional rules as to life-saving appliances for ships.
" 18	Prohibits fishing for trout in a portion of Lake Wakatipu.
1918.	
Jan. 14	Revokes Order in Council licensing the Upper Waikawa Sawmilling Company to use and occupy a part of the foreshore and land below low-water mark of the Waikawa River as a site for a wharf.
" 30	Approves plan marked M.D. 4870 in lieu of plan M.D. 4872 of groynes which the Gisborne Harbour Board proposes to construct for the purpose of obtaining greater scour and maintaining increases of depth at the town berthages.
" 30	Makes regulations for netting in Lake Ellesmere.
Feb. 4	Makes regulations for netting and taking trout in Lake Hawea, Otago Acclimatization District.
" 11	Revokes Order in Council licensing J. J. Brokensha to use and occupy a part of the foreshore of Mullet Bay as a site for a tram-line.
Mar. 11	Approves plan of landing for Waitemata County Council below Taikata Creek Bridge, Auckland Harbour.
" 11	Licenses Waitemata County Council to occupy foreshore at Taikata Creek, Auckland Harbour, as a site for a landing.
" 11	Revokes Order in Council licensing Richard O'Donnell, sen., to use and occupy a part of the foreshore and land below low-water mark of Tongaporutu River as a site for a wharf.
" 11	Vests management of wharf at Tongaporutu in Leslie James Rattenbury and Thomas Benjamin Waters, as trustees for the inhabitants of the district, for a period of seven years.
" 11	Approves plan of tide-gate which Messrs. Brookes Bros. and Chuck propose to erect over Whakatu River, Mangonui, and authorizes construction of same.
" 11	Approves plans of wharves which Donald Banks McIntyre and Fred Lees propose to erect on the foreshore of Orira Creek, Hokianga.
" 11	Licenses Donald Banks McIntyre and Fred Lees to use and occupy a part of the foreshore and land below low-water mark of Orira Creek, Hokianga, as a site for a wharf.
" 11	Approves plans of wharf and freezing plant for Henry Burnett Jones at Hurakia Beach, Waitangi West Bay, Chatham Islands.
" 11	Licenses Henry Burnett Jones to occupy foreshore at Hurakia Beach, Waitangi West Bay, Chatham Islands, as a site for a wharf and freezing plant.
" 19	Amends rules as to life-saving appliances for ships.
" 19	Revokes Order in Council licensing F. W. Sanderson to use and occupy a part of the foreshore of Whangaroa Harbour as a site for a boat-shed.
" 28	Appoints day for election for members of Tauranga Harbour Board and day and place for first meeting, and appoints Principal Authority for combined district of Maketu and Te Puke Ridings of Tauranga County and of Te Puke Town District.

RETURN SHOWING THE NUMBER OF LAND BOILERS AND MACHINERY INSPECTED DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1918.

Boilers.

Class.	Not exceeding 5 Horse-power.	Exceeding 5 but not exceeding 10 Horse-power.	Exceeding 10 Horse-power.	Total.
Stationary	2,568	810	2,045	5,423
Portable	162	1,050	399	1,611
Totals	2,730	1,860	2,444	7,034

Machinery.

Class.	Number.
Hydraulic lifts	303
Gas-lifts	21
Oil-lifts	4
Electric lifts	559
Steam-lifts	15
Gas, hydraulic, and electric-motor hoists	609
Water-engines, water and electric motors, and water-wheels	3,881
Peltons	280
Turbines	113
Gas-engines	1,374
Oil-engines	6,994
Steam machinery	1
Total	14,154

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, 1918.

Class.	Number.
Steam stationary—	
Service—First class	12
Competency—	
Extra first class engineer	2
First class	40
Second class	165
Steam winding, competency	10
Locomotive and traction, competency	119
Locomotive, competency	4
Traction, competency	60
Electric tram, competency	130
	542

RETURN OF ENGINEERS TO WHOM EXTRA FIRST-CLASS CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Scott, James Arthur Robinson	1918. Feb. 25	100	Wishart, Robert Martin	1917. Sept. 10	99

RETURN OF FIRST-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF SERVICE HAVE BEEN GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Binns, Harold Charles	1917. Sept. 10	1757	Lewis, John James	1917. Sept. 10	1751
Cook, Charles Albert	1918. Feb. 25	1760	McLintock, John	1918. Feb. 25	1761
Gibson, Gilbert	1917. Sept. 10	1755	Paltridge, Walter Richard	1917. Sept. 10	1756
Greenwood, John	" " "	1758	Ross, Archibald Louis	" " "	1752
Hunter, Edward	May 21	1750	Turton, Edward	" " "	1754
Kennedy, Lewis Edward	Sept. 10	1753	Wilson, James Loudon	Nov. 26	1759

RETURN OF FIRST-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Andrews, Bertrand Harding	1918. Feb. 25	1854	Reach, William Thomas	1917. May 21	1824
Austin, Charles Eardley	1917. Nov. 25	1844	Richards, Walter Henry	Sept. 10	1828
Ball, Edward	1918. Feb. 25	1856	Richardson, Boyd Bennie	Nov. 26	1848
Board, Sydney Frederick	1917. Sept. 10	1829	Robinson, Alfred Ernest	May 21	1822
Bradley, Edward	Nov. 26	1852	Rowlands, Horace Edward	Sept. 10	1833
Campbell, Hugh Leslie	Sept. 10	1835	Shakespeare, Henry	Nov. 26	1849
Coleman, Sydney John	" " "	1830	Smith, Ernest Bennett	Sept. 10	1837
Daniel, Frank Medhurst	May 21	1826	Smith, John Digby	" " "	1831
Goodall, George	" " "	1823	Smith, Robert	Nov. 26	1840
Jamieson, Harry Mariet	Nov. 26	1842	Stephens, John William	Sept. 10	1836
Knowlson, Arthur Leech	1918. Feb. 25	1855	Stevenson, Thomas	Nov. 26	1843
Koppert, Harry	1917. Nov. 26	1846	Taylor, James Philip	1918. Feb. 25	1859
Logan, Andrew	" " "	1847	Topliss, Thomas	1917. Nov. 26	1845
Mackie, Leslie Stewart	May 21	1821	Treweek, William Pryor	Sept. 10	1827
Maslen, William James	Sept. 10	1832	Turner, George Frederick	1918. Feb. 25	1860
McSweeney, James	" " "	1834	Wallace, George William	1917. Nov. 26	1851
Parkes, William	Nov. 26	1850	Walsh, Peter	" " "	1838
Pinkerton, Walter Vincent	1918. Feb. 25	1857	Wilson, Gilbert Thomas	" " "	1841
Plummer, Stephen Thomas	1917. May 21	1820	Wilson, Samuel John Furley	May 21	1825
			Wood, George	Nov. 26	1853
			Wylam, John	1918. Feb. 25	1858

RETURN OF SECOND-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY
HAVE BEEN GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1917.			1917.	
Adams, David Noble	May 21	4543	Hart, Albert Louis	May 21	4548
Allum, Frederick William ..	Nov. 26	4656	Harvey, Richard Charles ..	"	4569
Andrew, Bertrand Harding ..	May 21	4546	Haslem, Charles	Sept. 10	4621
Archer, Rupert John	Sept. 10	4625	Hayward, Arthur John	May 21	4549
Archibald, William Brownrigg	"	4630	Herbert, Arthur William ..	Sept. 10	4634
Baggarley, Harold Arthur ..	May 21	4567		1918.	
	1918.		Hill, Edmund Charles	Feb. 25	4707
Baigent, Maurice William ..	Feb. 25	4704	Hill, James	"	4712
	1917.			1917.	
Beere, Edwin D'Arcy	Sept. 10	4584	Hinds, Frederick Stanley ..	Nov. 26	4399
Bell, Albert George	Feb. 25	4696	Hipkins, Sidney Hampton ..	Sept. 10	4632
	1917.		Hodson, John	May 21	4544
Benson, Robert	Nov. 26	4677	Holloway, Lemuel	Sept. 10	4602
	1918.		Hopwood, Thomas	Nov. 26	4655
Brown, Edwin Malcolm	Feb. 25	4711	Hornby, James	"	4665
	1917.			1918.	
Brown, William John Kenneth	Sept. 10	4613	Horrey, William	Feb. 25	4687
Burfitt, Christopher William James	"	4594		1917.	
Burrell, Arthur William	"	4626	Howe, Edwin Moanaroa	Sept. 10	4611
Butcher, John Edward	May 21	4550	Hughes, Stephen Edward ..	"	4609
	1918.		Hurst, Frederick Lawrence ..	"	4633
Cameron, Henry Athol Roy ..	Feb. 25	4683	Illingworth, Arthur	"	4593
	1917.			1918.	
Cameron, John	Nov. 26	4647	Jamieson, Alexander James ..	Feb. 25	4701
Cantwell, Duncan Hepburn ..	"	4673	Jesen, Mads William Charles	"	4697
Cartwright, Alfred George ..	May 21	4545		1917.	
	1918.		Jessen, Richard William	May 21	4520
Challis, Alfred James	Feb. 25	4689		1918.	
	1917.		Jones, Arthur Evans	Feb. 25	4708
Christensen, David	May 21	4561		1917.	
Christensen, Mourils William	Sept. 10	4583	Jones, Leslie John Francis ..	Sept. 10	4603
Cocks, George Goliath Julius ..	"	4591	Keig, Ernest	Nov. 26	4645
Coghlan, John Joseph	May 21	4562	Larsen, Edwin Ernest	May 21	4570
Collinson, George Richard ..	Nov. 26	4659		1918.	
Cooper, Bertram Edward	Sept. 10	4637	Lea, Victor John	Feb. 25	4714
Cooper, John Charles	May 21	4572		1917.	
Corlett, Stephen Lawson	Sept. 10	4589	Mansfield, James	Sept. 10	4604
Coxhead, William John	May 21	4574	Matheson, Neil	"	4615
Crosby, Samuel John	Sept. 10	4599	Meharry, David Kennedy	May 21	4564
Curtis, Arnold	Nov. 26	4648	Melbom, Eric Peter	"	4565
Dempsey, Thomas	"	4658		1918.	
Dovey, John	Sept. 10	4600	Moffitt, George Sutton	Feb. 25	4693
Dryden, William	Nov. 26	4654		1917.	
Duggan, Walter	Sept. 10	4627	Möller, Jacob Randrup	Nov. 26	4664
	1918.		Motley, Joseph	"	4662
Duncan, George Edward Wellington	Feb. 25	4688	McAuslin, John	"	4646
	1917.		McBurney, Herbert	"	4643
Duncan, Thomas	Sept. 10	4620		1918.	
Elia, Kiriakos	"	4607	McDowall, Robert West	Feb. 25	4709
	1918.			1917.	
Eng, George Andreas	Feb. 25	4686	McFarlane, Walter	Sept. 10	4622
	1917.			1918.	
Evans, William Absalom	Sept. 10	4619	McIlvride, Lewis	Feb. 25	4679
Evans, William James	May 21	4536		1917.	
Falkner, Ernest	Nov. 26	4649	McKendry, Hugh	Sept. 10	4595
Ferris, Henry James	Sept. 10	4580	McKernan, John	Nov. 26	4640
Foreman, William	"	4638	McLeod, Donald	"	4642
Forward, Frank Hugh	"	4610	Neill, Richard	"	4653
	1918.		Nelson, Walter Scott	May 21	4551
Fosbrooke, Dudley Yate	Feb. 25	4699	Newman, Joseph	Sept. 10	4614
Gatfield, James	"	4684	Nicol, John Hector	"	4617
	1917.		Norton, William John	"	4592
Gibson, Alexander Cameron ..	Nov. 26	4657		1918.	
	1918.		Ord, Stephen Charles	Feb. 25	4690
Gilby, George Smith	Feb. 25	4703	O'Shea, John	"	4702
Gill, Francis	"	4700		1917.	
	1917.		Parker, George	May 21	4552
Gilligan, Frank	Nov. 26	4660	Pascoe, Charles Edward	Nov. 26	4661
Goodley, Joseph	Sept. 10	4608	Pasfield, Harold Norman	Sept. 10	4628
Goss, William, jun.	Nov. 26	4676	Pepperell, Norman Claude	May 21	4555
Graham, Alexander	May 21	4568	Phillips, William John	Sept. 10	4582
Gray, Geoffrey	Sept. 10	4581	Poulter, Frederick Thomas ..	May 21	4553
	1918.		Qualter, Thomas Hunter	"	4566
Gray, Henry Frederick	Feb. 25	4691	Raeburn, Robert	Sept. 10	4623
	1917.		Read, William	"	4590
Gray, William Albert	Sept. 10	4578	Rhind, Frank	"	4618
Grundy, John	May 21	4547	Richards, George	"	4636
Hadley, Charles	Sept. 10	4586	Rigden, James Henry	"	4606
Hall, William Edward John ..	May 21	4557	Roberts, Edward Athol Alexander	"	4629
Hammond, Archibald Arthur ..	Sept. 10	4601		1918.	
Hanley, Thomas Ernest	"	4635	Robertson, Archibald	Feb. 25	4705
Harrison, Charles John	"	4579		1917.	
			Roper, James Warrene	Sept. 10	4577

RETURN OF SECOND-CLASS STATIONARY-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY
HAVE BEEN GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918—*continued*.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1917.			1918.	
Ross, Albert Thomas	May 21	4575	Tighe, William Terence	Feb. 25	4685
Schwicters, Alexander Victor	Nov. 26	4663		1917.	
Scott, Alexander	May 21	4560	Trickett, John Ronksley	Nov. 26	4644
	1918.			1918.	
Sell, Arthur Edward	Feb. 25	4694	Tucker, William	Feb. 25	4713
Sharpe, John Thomas	"	4695	Turton, Arthur	"	4698
	1917.			1917.	
Shea, William John	Sept. 10	4585	Urwin, Thomas Charles	Nov. 26	4641
	1918.		Von Ziarno, Carl Franz Richardt	"	4674
Shepherd, Alfred Hullen	Feb. 25	4692	Walters, William John	"	4651
	1917.		Ward, Albert Pender	Sept. 10	4576
Sime, John Edward	Sept. 10	4631	Waswo, William Henry	"	4596
Sinclair, Edward	May 21	4559	Watkins, Thomas McMillan	May 21	4556
Smith, Albert John	Sept. 10	4598	Wearn, William Luke	Nov. 26	4652
Smith, Thomas Martin	Nov. 26	4666	Wheeler, Sidney Joseph	"	4675
Stewart, James	Sept. 10	4597	White, Thomas Edwin	May 21	4573
Stobba, Francis	Nov. 26	4650		1918.	
Stokes, Thomas David	May 21	4554	Whitehead, Leslie Hewson	Feb. 25	4678
Sutherland, William, jun.	Sept. 10	4624		1917.	
Syron, Michael	"	4587	Williams, Alfred	Sept. 10	4588
	1918.			1918.	
Taylor, Edgar	Feb. 25	4706	Williams, James Gill	Feb. 25	4682
	1917.		Wilson, Donovan William Burton	"	4681
Taylor, James Philip	Sept. 10	4616		1917.	
	1918.		Wisneski, Louis	Sept. 10	4605
Taylor, John	Feb. 25	4680	Young, William	May 21	4558
	1917.				
Teasdale, Henry Atkinson	Sept. 10	4612			

RETURN OF LOCOMOTIVE- AND TRACTION-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY
HAVE BEEN GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1917.			1918.	
Allan, Arthur	Sept. 10	3296	Cunningham, Andrew	Feb. 25	3412
Andrews, James	"	3278		1917.	
Ardern, Samuel Vincent Howard	Nov. 26	3381	Dalziel, William McDonald	Nov. 26	3377
	1918.		Danks, Peter	Sept. 10	3290
Barrett, Thomas	Feb. 25	3385	Duncan, Robert William	"	3270
	1917.			1918.	
Becker, John	Nov. 26	3365	Eustace, Percival Henry	Feb. 25	3397
Bidmead, Jonathan St. George	"	3378		1917.	
	1918.		Farland, William Sommerville	Sept. 10	3280
Black, George Alexander	Feb. 25	3417	Feary, Percy Reuben	May 21	3265
Boyd, William Philip	"	3414	Finnie, Albert John	Sept. 10	3300
Butler, William George	"	3400	Fisher, George Ashley Vincent	May 21	3251
Butson, Arthur	"	3387		1918.	
Butterfield, Alfred Feilding	"	3419	Fitzsimons, Patrick Francis	Feb. 25	3395
	1917.			1917.	
Campbell, Kenneth Oliver	May 21	3258	Forrest, James William Dowling	Nov. 26	3366
Campbell, Valentine Henry	Sept. 10	3276	Fraser, Wilfred John	Sept. 10	3352
	1918.			1918.	
Carroll, Robert	Feb. 25	3393	Frye, James Alfred	Feb. 25	3407
Catterick, James George	"	3418		1917.	
Chamberlain, William	"	3411	Gamby, Sibley Everest	Sept. 10	3354
	1917.		Gamman, Arthur Frederick	May 21	3259
Clarke, Claude Hamilton	Nov. 26	3367	Gough, Henry	Nov. 26	3374
	1918.		Gunn, Thomas	May 21	3254
Clifford, James Gunn	Feb. 25	3409		1918.	
	1917.		Gwynn, Walter	Feb. 21	3384
Clinch, Andrew Stephen	Sept. 10	3299	Halford, Richard Henry	"	3413
Collins, Edward	Nov. 26	3354		1917.	
Constable, Charles Leslie	Sept. 10	3281	Hall, Albert Francis	May 21	3253
	1918.			1918.	
Cooke, Arthur William	Feb. 25	3390	Hardwick, William Barclay	Feb. 25	3405
	1917.		Harris, William John	"	3398
Cox, Edward George	Nov. 26	3356		1917.	
Craies, James Edward	May 21	3252	Hauschild, Henry	May 21	3264

RETURN OF LOCOMOTIVE- AND TRACTION-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY
HAVE BEEN GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918—*continued*.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Healey, Victor Joseph	1918. Feb. 25	3406	McLaren, James Robert	1917. Nov. 26	3372
Hibbs, John	"	3392	McQuillan, Gladwyn	"	3368
Hickey, James Erin Patrick	1917. Nov. 26	3362	Newton, Henry	May 21	3267
Hopkirk, William James	"	3357	Ogilvie, William Thomas	Sept. 10	3273
Hutt, George Arthur	"	3379	Owen, Henry Alfred	Nov. 26	3382
Jamieson, Harry Mariet	1918. Feb. 25	3403	Parkes, William	"	3376
Jardine, Peter	"	3408	Paterson, William	"	3369
Johnston, Alexander Cleveland	1917. Sept. 10	3284	Pettit, Herbert	Sept. 10	3287
Johnston, George Thomas	"	3277	Piper, Frederick William	"	3297
Johnston, Leslie Ivor	"	3292	Plowright, Edward William	"	3288
Johnston, Malcolm	Nov. 26	3359	Polkinghorne, Richard	"	3285
Johnston, William Henry	"	3371	Ramsay, Robert James	"	3293
Jones, James Charles	1918. Feb. 25	3399	Rees, Frederick Tyndall	May 21	3260
Jones, Reginald Herbert	1917. May 21	3266	Riordan, Timothy James	Nov. 26	3258
Joseph, John David Barnes	1918. Feb. 21	3401	Robins, Henry	1918. Feb. 25	3410
Kane, James	1917. May 21	3257	Sandford, James Henry	1917. Sept. 10	3283
Kelly, Henry William	1918. Feb. 25	3394	Scott, Francis William	"	3273
Kenning, Thomas Henry	1917. Sept. 10	3291	Shaw, George	1918. Feb. 25	3386
Lake, Frederick James	"	3271	Shaw, Josiah Alexander	1917. Sept. 10	3282
Leathwick, John	1918. Feb. 25	3390	Sleeman, Edward James	Nov. 26	3355
Leslie, William James	1917. Nov. 26	3363	Smart, James Walter	1918. Feb. 25	3420
Lucas, Cecil Osborne	"	3360	Smith, Lewis Windermere	1917. May 21	3262
Manners, John Hedley	Sept. 10	3295	Smith, William Spence	Sept. 10	3279
Manning, Arthur Henry	1918. Feb. 25	3389	Stehr, Basil Ashby Wolfe	Nov. 26	3375
Martis, Benjamin Lawrence	1917. Nov. 26	3373	Stewart, Andrew John	May 21	3256
Matheson, John Thomas	Sept. 10	3274	Stuart, John Shields	"	3255
Meachen, Thomas	"	3294	Taege, Hermann Frederick	Sept. 10	3286
Millard, William Owen	1918. Feb. 25	3391	Thorn, John	May 21	3269
Milne, John	1917. May 21	3268	Turkington, Robert James	Nov. 26	3383
Morton, Henry Luttrell	"	3250	Underwood, Arthur	May 21	3261
McArthur, James	Nov. 26	3380	Voltz, David Grant	1918. Feb. 25	3402
McDonald, Archibald Edward	1918. Feb. 21	3415	Walshe, William Patrick	1917. Nov. 26	3376
McKay, Alexander	1917. Nov. 26	3364	Watkins, George Thomas	Sept. 10	3275
			Wellings, George	"	3298
			Whelan, Francis Joseph	Nov. 26	3361
			Williams, Llewellyn	Sept. 10	3289
			Willan, Thomas George	1918. Feb. 25	3388
			Wilson, William	1917. May 21	3263
			Young, James Andrew	1918. Feb. 25	3416

RETURN OF LOCOMOTIVE-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN
GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Hector, Dempster Smith	1918. Feb. 25	5	Sharman, Jonathan Stephen	1917. May 21	4
McDowell, Roy	"	6	Trickett, John Ronksley	1918. Feb. 25	7

RETURN OF TRACTION-ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN
GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1917.			1917.	
Ash, William	Sept. 10	115	Madden, Edward William	Sept. 10	121
	1918.			1918.	
Bak, Jacob Andersen	Feb. 25	161	Matthews, Harding Parsons	Feb. 25	145
Batchelor, John Michael	"	158	Mawer, Edward Albert	"	157
	1917.		Meller, Andrew	"	144
Bowker, Vernon	Nov. 26	135	Millar, Henry James	"	163
Branch, Robert Christopher	"	124		1917.	
Burnett, Percy Casper	May 21	106	Millar, Richard George	May 21	105
Cartwright, William George	Nov. 26	134	Moorhead, David Samuel	Sept. 10	113
Crawford, Herbert	May 21	103		1918.	
Crooks, Thomas Francis	Sept. 10	123	McElwee, Robert John	Feb. 25	151
	1918.			1917.	
Eggleton, Leslie William	Feb. 25	153	McKee, Bernard	Sept. 10	116
Finn, Patrick	"	159	O'Keefe, John Alfonsus	May 21	109
Fisher, Robert Martin	"	143	Patterson, John	Nov. 26	131
	1917.			1918.	
Fullerton, Edwin Samuel	May 21	104	Pileher, Norman	Feb. 25	162
Garvey, Michael	Sept. 10	119		1917.	
Gascoyne, Arthur	May 21	101	Poole, Edward	Sept. 10	112
	1918.		Reid, William	Nov. 26	128
Gillon, Robert	Feb. 25	160	Rollo, James Arkle	Sept. 10	114
Gordon, William	"	149	Russell, Frederick Hugh	"	110
	1917.		Savin, Albert	Nov. 25	136
Grammer, Stephen Jocelyn	Nov. 26	139	Smith, David John	"	140
	1918.		Stark, Kenneth George	"	137
Grant, Robert	Feb. 25	155	Stratford, George Rowland	Sept. 10	111
	1917.		Sullivan, Michael Joseph	"	117
Gwatkin, Frederick Vere	Nov. 26	127	Thomson, Frederick Cecil	Nov. 26	138
	1918.		Thornton, Percy	Sept. 10	122
Ham, Robert Henry	Feb. 21	142	Tomlin, Victor Charles Sellman	Nov. 26	126
	1917.			1918.	
Hay, William Charles	Nov. 26	133	Tozer, Arthur	Feb. 25	150
Hill, Albert Edward	Sept. 10	118	Vose, Thomas William Francis	"	154
	1918.			1917.	
Hood, Thomas	Feb. 25	152	Walker, George Henry	Nov. 26	130
Hornal, William Alexander	"	148	West, Charles Frederick	"	141
Ker, Thomas William	"	147	Wilson, George	"	132
	1917.			1918.	
Knight, Edward Frank	Nov. 26	129	Winsley, George	Feb. 26	146
Ku wies, George Albert	"	124		1917.	
Luscombe, Philip Henry	Sept. 10	120	Wright, James Frederick	May 21	108

RETURN OF WINDING (STEAM) ENGINE DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE
BEEN GRANTED FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
	1918.			1917.	
Blair, Alexander Thomas	Feb. 25	553	Falconer, John Alexander	Sept. 10	550
	1917.			1918.	
Cadman, Joseph, jun.	May 21	547	Flintoff, Walter Rutherford	Feb. 25	555
Clarkson, William	"	546		1917.	
Crowley, Cornelius Michael	Sept. 10	549	Keefe, John Patrick	Nov. 26	552
	1918.		Senior, Reginald Thomas	"	551
Delaney, Francis Joseph	Feb. 25	554	Treweek, William Pryor	Sept. 10	548

RETURN OF ELECTRIC-TRAM DRIVERS TO WHOM CERTIFICATES OF COMPETENCY HAVE BEEN GRANTED
FROM THE 1ST APRIL, 1917, TO THE 31ST MARCH, 1918.

Name of Person.	Date of Issue.	No.	Name of Person.	Date of Issue.	No.
Adcock, Alexander	1917. Nov. 27	703	Mills, Charles William	1918. Feb. 18	739
Anderson, Alexander	1918. Feb. 25	722	Moody, Percival Henry	1917. May 21	642
Anderson, Joseph Henry	1917. Sept. 28	685	Moore, George Henry	1917. Nov. 27	692
Andrewartha, Stanley	1917. May 21	662	Morgan, John Henry	1918. Feb. 18	740
Baker, Charles Arthur	1918. Feb. 18	722	Morris, Herbert Arthur	1917. May 21	634
Ball, Isaac Parker	1917. May 21	656	Morris, Solomon	1917. Sept. 28	675
Barber, William Henry	1917. Nov. 27	691	Morse, Arthur Edwin	1918. Feb. 18	741
Benn, Sidney	1917. May 21	661	Muir, John	1917. May 21	628
Bingham, Charles Henry	1917. Nov. 26	696	Mulholland, Charles	1917. " "	655
Blackburn, Richard	1918. Feb. 25	732	Mullen, Arthur Blunden	1918. Feb. 18	751
Bloor, Edward Wiscell	1917. May 21	624	Muller, Norman Victor	1917. Nov. 27	701
Bowling, Alban	1917. " "	669	McAdam, James Andrew	1918. Feb. 18	742
Brickle, William Alexander	1917. Nov. 27	717	McCarthy, Jerry	1917. " "	726
Bryan, John Charles	1917. " "	704	McGhie, Harold Francis	1917. May 21	635
Bull, Arthur	1917. " "	721	McKenzie, Robert James	1917. " "	665
Burton, Percy Robert	1917. May 21	652	McNaughton, Albert Brian	1917. " "	643
Cade, George	1918. Feb. 18	733	Notton, John	1917. Nov. 27	695
Carruthers, Arthur Berrill	1917. Nov. 27	705	Ogilvie, Andrew	1917. May 21	658
Carruthers, Joseph	1917. May 21	625	Otton, Charles Sydney	1917. " "	638
Carruthers, William Agnew	1917. Sept. 28	672	Parks, John	1917. " "	646
Charters, Walter Herbert	1917. Nov. 27	702	Parsons, Edward	1917. " "	659
Christie, Andrew Francis Jolly	1918. Feb. 18	728	Payne, Albert Edward	1918. Feb. 18	754
Clarke, Arthur William	1917. " "	731	Payne, Edward William James	1917. Nov. 27	693
Clarke, Norman Frank	1917. May 21	640	Payne, Leonard Norman	1918. Feb. 18	752
Clarke, Walter Arthur	1917. " "	660	Perry, John	1917. " "	730
Collecutt, Thomas Henry	1917. Sept. 28	673	Phillipson, Thomas James	1917. Sept. 28	670
Collins, Denis	1918. Feb. 18	747	Phillpot, John Peek	1917. Nov. 27	698
Cottingham, Harold Joseph	1917. Nov. 27	706	Preston, Harry	1917. " "	710
Couper, Frederick John	1917. May 21	647	Ramsay, Robert Nicol	1917. Sept. 28	676
Courtney, William Charles	1918. Feb. 18	734	Reilly, William Bernard	1918. Feb. 18	743
Croll, Edward Drummond	1917. Nov. 27	718	Rich, Gerald Rupert	1917. Sept. 28	683
Crooks, James	1917. " "	700	Robb, Hugh Edward Parker	1917. Nov. 27	690
Davidson, William Brewis	1918. Feb. 18	725	Robertson, William Archibald Sutherland	1917. May 21	654
Davies, David Llewellyn	1917. May 21	632	Ross, Robert Dugald	1917. Nov. 27	715
Delaney, John Francis	1917. " "	641	Savidge, Marshall Whitehorn	1918. Feb. 18	744
Dowie, Walter Arundel	1917. " "	641	Scott, William Crisp	1917. " "	724
Duggan, Charles Lewis	1917. Sept. 28	686	Sergeant, Ernest Walter	1917. Nov. 27	694
Eagle, Hamlet	1918. Feb. 18	736	Shaw, Thomas	1917. " "	711
Englert, John Diedrich McMullin	1917. May 21	625	Shilcock, John Henry	1917. May 21	639
Everest, Henry John	1917. " "	644	Siddall, Julian Vivian	1917. " "	650
Fenney, Thomas Henry	1917. Nov. 27	707	Silver, William Claude	1917. " "	667
Flint, John Edwin	1917. " "	708	Smith, Arthur Alexander	1917. Sept. 28	677
Fowler, William Thorp	1917. May 21	651	Smith, Sidney Charles	1917. May 21	636
Franklin, Leonard Alexander	1917. " "	653	Spackman, Rupert Howard	1917. Sept. 28	671
Garfath, Arthur Francis	1918. Feb. 18	729	Steer, Cyril Roy	1917. " "	678
Garth, Victor Leopold	1917. " "	736	Stone, Charles Edwin Fairburn	1917. May 21	629
Ginn, Alfred Henry	1917. Sept. 28	688	Sturt, William Ewart	1918. Feb. 18	726
Gooch, George James	1917. " "	674	Tansey, Edwin Charles	1917. May 21	666
Gore, St. John	1917. May 21	627	Thompson, Archibald James	1918. Feb. 18	745
Graham, Vernon Aylwin	1918. Feb. 18	737	Thomson, Arthur Onslow	1917. May 21	630
Hardman, Ernest	1917. May 21	663	Thomson, Peter Henry	1917. Sept. 28	679
Harliwich, Frank Thomas	1917. Nov. 27	719	Tomes, Albert William	1918. Feb. 18	749
Harris, John William	1917. May 21	664	Tunnell, William George	1917. Nov. 27	712
Hart, William James	1917. Nov. 27	709	Vernon, William Archibald	1917. Sept. 28	680
Harvey, William Henry	1917. May 21	657	Walker, John	1917. Nov. 27	716
Herrett, William	1917. " "	645	Weinberg, John Alfred	1917. " "	713
Herrick, George Montgomery	1917. " "	648	Wells, Harry James	1917. " "	720
Holland, Frederick William	1917. Sept. 28	684	Whatson, Errol Wilfred	1918. Feb. 18	750
Hunter, Samuel	1917. Nov. 27	699	Whyte, Alfred Henry	1917. Sept. 28	689
Hurley, Thomas John	1918. Feb. 18	738	Wilcox, William Percy	1917. May 21	631
Jennings, Albert	1917. Nov. 27	714	Williams, Frederick	1918. Feb. 18	746
Kulsch, Charles Erno	1917. Sept. 28	687	Wilson, Stanley Walter Bean	1917. May 21	637
Laverty, Thomas	1917. May 21	633	Young, James Barkly	1917. Sept. 28	681
Le Sueur, William Stitt Jenkins	1918. Feb. 18	748	Young, William Henry	1917. " "	682
Liddell, John Oliver	1917. May 21	668			
Lowson, Frederick Joseph	1918. Feb. 18	753			

RETURN OF NON-FATAL ACCIDENTS IN CONNECTION WITH MACHINERY DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1918.

Name and Address of Owner.	Description of Machinery.	Name and Age of Person Injured.	Date of Accident.	Nature of Injury.	Cause of Accident, and Remarks.
Andersons Limited, Christchurch	Lathe ..	G. Reed ; 24 years	19/4/17	Finger injured	Reed got his finger between the work he was turning and the tool.
Stewart Timber, Glass, and Hardware Company (Limited), Wellington	Planing ..	William Stewart ; 44 years	20/4/17	Hand injured	When planing a piece of timber Stewart allowed his left hand to come into contact with the knives of the machine.
Beattie, Coster, and Co. (Limited), Mataura	Pump ..	John Bolger ; 32 years	23/4/17	Arm injured	While oiling the machinery Bolger's arm was caught by it and was broken.
A. and T. Burt (Limited), Dunedin	Lathe ..	Chris Boddy ; 16 years	27/4/17	Finger injured	Boddy was boring out a collar in a lathe ; he inadvertently got the third finger of his right hand jammed.
Irvine and Stevenson (St. George Company (Limited)), Dunedin	Tin-making	Mabel Church ; 19 years	12/5/17	Fingers injured	Two of her fingers were caught by moving machine and were cut.
A. and T. Burt (Limited), Dunedin	Sprue-cutting	William Buchanan ; 35 years	12/5/17	Finger injured	Buchanan got the middle finger of his right hand jammed in the machine.
Golden Bay Cement-works (Limited), Tarakohe	Conveyor-gear	John Grooby ; 54 years	20/5/17	Arm injured	Grooby was oiling the machinery when his coat-sleeve was caught in the cog-wheels ; his arm was drawn in and was bruised and lacerated.
Haydock and Spragg, Auckland	Power hack-saw	W. T. Stewart ; 19 years	21/5/17	Finger injured	The frame of the saw slipped whilst he was setting metal in the machine ; it cut the end off the forefinger of his right hand.
James Speight and Co. (Limited), Dunedin	Circular saw	James Shepherd ; 51 years	21/5/17	Finger injured	Shepherd's first finger of his right hand came into contact with the saw and was cut.
Aulsebrook and Co., Christchurch	Wrapping	Annie Sampson ; 16 years	24/5/17	Finger injured	In taking off a small knife from the machine Sampson accidentally started it, when the forefinger of her right hand was injured.
Canterbury Engineering Company, Christchurch	Milling ..	N. Blakeway ; 16 years	29/5/17	Arm injured	Through inattention Blakeway got his left arm cut by the machine.
Bassett and Co. (Limited), Wanganui	Buzzer ..	H. Munro ; 15 years	1/6/17	Finger injured	Munro's first finger of his right hand came into contact with a cutter of the machine.
Aulsebrook and Co., Christchurch	Fat-press..	C. Haultain ; 54 years	2/6/17	Finger injured	Haultain was cleaning out the press while the rollers were in motion, when the second finger of his left hand was crushed by them.
Cossens and Black (Limited), Dunedin	Drilling ..	J. R. Simmons ; 27 years	9/6/17	Arm injured	When working at the machine the sleeve of Simmons's overall was caught on the head of the set-screws in socket ; his left arm was twisted round the spindle and was fractured.
Brownlee Limited, Kilbirnie ..	Planing ..	William Donaldson ; 28 years	12/6/17	Leg injured	Donaldson was planing a piece of timber when it was thrown back by the saw ; it struck him and caused the fracture of his left leg.
David Scott, Stirling	Oil-engine	David Scott ; 57 years	14/6/17	Ribs and foot injured	While engaged oiling the bearing Scott's foot was caught by the shaft ; he was thrown down, when a rib was broken and his foot bruised.
Aulsebrook and Co., Christchurch	Icing ..	A. W. Knight ; 54 years	25/6/17	Fingers injured	Whilst the machine was in motion Knight's first and second fingers of right hand were caught between the feed-plates and were badly squeezed.
A. and T. Burt (Limited), Dunedin	Lathe ..	Roy Congalton ; 15 years	25/6/17	Thumb injured	Through inattention Congalton got his right thumb crushed in the gearing-wheel of the lathe.
N.Z. Loan and Mercantile Agency Company (Limited), Dunedin	Elevator	J. H. W. Phelan ; 27 years	26/6/17	Thumb lost	Whilst the elevator was in motion Phelan threw a rope over it ; the rope was caught by a cog-wheel, and in endeavouring to pull it off he lost his right thumb.
Wellington Technical Education Board, Wellington	Lathe ..	W. M. McLaren ; 16 years	26/6/17	Body injured	McLaren's clothing was caught in the carrier of the lathe ; he was drawn in against the face-plate and had his face bruised and his shoulder-blade injured.

J. E. Hendriksen, Wellington Orwell Creek Sawmill (Limited), Orwell Creek	Wood-working Sawmill ..	Thomas Thompson; 44 years James Percy; 25 years	27/6/17 7/7/17	Fingers injured Body injured	Thompson's fingers came in contact with the knives of the machine. Percy was oiling a bearing on the shaft when his coat was caught by a fastener; he was carried round the shaft between a pulley and a bearing, and had his body bruised and squeezed.
Auckland City Council, Auckland	Triple-expansion engine	A. Wyllie; 48 years W. Purcell; 39 years H. Pearson; 39 years W. Oram; 40 years	13/7/17	Body and face injured	One of the engines coupled to a generator was running hot, and was about to be shut down when an explosion occurred in the crank-chamber; the force of the explosion blew the cover off the lubricating-oil chamber, with the result that a large quantity of boiling oil was discharged upwards; the oil struck the top portion of the engine, and, descending in a shower, inflicted severe injuries on the four men who were engaged near the machinery, burning their faces, arms, and body.
The Windsor Manufacturing Company (Limited), Wellington	Grinders ..	B. Tisorieri; 15 years	24/7/17	Finger injured	While feeding machine Tisorieri allowed the forefinger of his right hand to be caught in the rollers.
Leyland and O'Brien Timber Company, Auckland	Circular saw	W. J. Wilson; 18 years	25/7/17	Finger injured	When taking a way batten from the saw the first finger of Wilson's right hand came in contact with it.
C. W. Gibbs, Dunedin	Circular saw	C. W. Gibbs; 53 years	26/7/17	Thumb injured	Gibbs was sawing a piece of timber and accidentally allowed the thumb of his left hand to come in contact with saw.
Thomas Borthwick and Sons (Limited), Belfast	Shafting ..	William Howard; 16 years	3/8/17	Body injured	While engaged oiling bearings the ladder on which Howard was standing slipped, and he fell about 12 ft. and bruised his body and sprained his wrist.
Mrs. S. Frew, North-east Valley	Hydro-extractor ..	A. E. Skinner; 32 years	16/8/17	Arm injured	Skinner was stopping the machine when his foot slipped off the brake; his right arm struck the revolving cage and was broken between the wrist and the elbow.
Brown Barrett (Limited), Auckland	Grinder ..	E. Corrigan; 16 years	20/8/17	Finger injured	When working at the machine Corrigan accidentally got his right hand caught between two cog-wheels.
Aulsebrook and Co., Christchurch	Card-box staying	Ethel Lawrence; 21 years	23/8/17	Finger injured	Lawrence got the second finger of her left hand cut and crushed while working at the machine.
Woolston Tanneries (Limited), Woolston	Lift ..	G. H. Brown; 32 years	4/9/17	Leg injured	Brown was wheeling a truck of leather across the cage of the lift when the cage dropped down; he fell to the floor below and fractured his left leg.
N.Z. Refrigerating Company (Limited), Pukeuri	Corliss engine	W. J. Morton; 29 years	6/9/17	Finger injured	When feeling around the bearing of the engine to see that it was all right Morton accidentally put the middle finger of his right hand into the fork of the trip-gear and got a finger taken off at the second joint.
Booth, Macdonald and Co., Sydenham	Lathe ..	A. Walker; 19 years	13/9/17	Fingers injured	While closing door of the tool-locker Walker placed his hand under a guard and his hand was caught in the gearing.
Phoenix Company (Limited), Dunedin..	Caramel cutting	William Coard; 14 years	17/9/17	Fingers injured	Coard accidentally misplaced his right hand and it was caught in the machine and had several of his fingers injured.
Phoenix Company (Limited), Dunedin..	Dough-mixer	Alexander Bryant; 15 years	20/9/17	Wrist injured	Bryant was placing dough in the machine when his left hand was caught by the rollers and crushed.
W. D. Anderson, Methven ..	Chaffcutting	A. Morrison; 41 years	24/9/17	Arm injured	When feeding machine Morrison inadvertently got his left hand in the rollers and had his arm taken off at the elbow.
Lyttelton Times Company (Limited), Christchurch	Printing ..	George Hillmer; 15 years	25/9/17	Thumb injured	Hillmer had his thumb crushed through being caught between the lever and the roller of the inking-machine.
Aulsebrook and Co., Christchurch	Paper-cutting	James Menelaus; 32 years	16/10/17	Finger injured	Menelaus started the machine while the middle finger of his right hand was in the way of the knife and had point cut off.
Wilson's Portland Cement Company (Limited), Warkworth	Grinding and crushing	William Brentnall; 44 years	17/10/17	Finger injured	Brentnall was testing the heat of the bearings of the engine when his finger came into contact with the crank and was fractured.
Phoenix Company (Limited), Dunedin..	Tin-folding	A. G. Wilson; 14 years	30/10/17	Thumb injured	Wilson got his thumb jammed in the machine.
William Black, Waihao Downs	Chaffcutter	William Black; 50 years	30/10/17	Fingers injured	When oiling bevel cog-wheels in motion Black accidentally got three of his fingers caught in them and had the tops taken off.

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

Name and Address of Owner.	Description of Machinery.	Name and Age of Person Injured.	Date of Accident.	Nature of Injury.	Cause of Accident, and Remarks.
Colonial Sugar-refining Company (Limited), Auckland	Driving-gear	G. Ehrke; 32 years	31/10/17	Fingers injured	Ehrke was filling an oil-cup near the spur-wheels when he inadvertently placed his right hand on the wheels and had two fingers crushed.
A. and T. Burt (Limited), Dunedin	Drilling	Chris Boddy; 17 years	5/11/17	Arm injured	While engaged drilling the sleeve of Boddy's coat was caught in the machine; his right arm was drawn in and bruised.
Ross and Glendinning (Limited), Dunedin	Carding	John Anderson; 50 years	6/11/17	Wrist injured	Anderson inadvertently put his left hand between the arm of a wheel and the guard and had his wrist severely crushed.
Kearsley Wool Scouring Company (Limited), Otehunga	Wool scouring	H. Gates; 20 years	7/11/17	Arm injured	Gates had his arm fractured through having it caught by the belt of the machine.
Robert Holt and Sons, Napier	Sawmill	Jack Griggs; 16 years	12/11/17	Arm and leg injured	Griggs was adjusting the belting on a small pulley, while in motion, with a piece of rope; it somehow got entangled on the pulley and drew him on to it; he was carried round shafting several times and had his arm badly smashed and a leg injured.
Murray Creek Gold-mining Company, Reefton	Ore crushing	H. N. Stuart, 20 years	15/11/17	Back and leg injured	When putting belt on pulley a stud in the shaft-collar caught Stuart's shirt and drew him on to the shaft; he was taken round by it and received injuries to his back and his leg.
J. Wilkie and Co., Dunedin	Varnishing	John Holgate; 46 years	24/11/17	Arm injured	Holgate was adjusting the gripper when he accidentally got his right arm caught in it and had it crushed.
Woolston Tanneries (Limited), Christchurch	Circular saw	William Vaughan; 30 years	26/11/17	Hand injured	Vaughan slipped and his right hand came in contact with the saw, and he had it cut.
Murray's Limited, Underwood	Automatic press	Emily McPhail; 16 years	26/11/17	Finger injured	When attempting to work machine McPhail placed her right hand under the die; the machine started and took off the top of one of her fingers.
Aulsebrook and Co., Christchurch	Staying	Jean Forbes; 15 years	27/11/17	Fingers injured	Forbes's fingers were drawn in to the rollers and were squeezed.
Wilson's Portland Cement Company (Limited), Warkworth	Crushing and grinding	Ernest Clarke; 30 years	28/11/17	Head injured	Clarke was putting a belt on a moving pulley when it overlapped and broke; the end of the belt was caught by the shaft, and the end of it with the fasteners on it struck him on the head and inflicted two scalp-wounds.
George Poole and Sons, Invercargill	Planing	R. Pedlar; 17 years	30/11/17	Fingers lost	Pedlar's left hand slipped while he was planing a piece of timber; it came into contact with the knives of the machine and had four fingers severed.
C. H. Furness (Limited), Auckland	Electric lift	William Walsh; 16 years	4/12/17	Arm injured	Through inattention Walsh had his arm crushed against the floor and cage.
Ross and Glendinning (Limited), Dunedin	Cloth-cutting	H. Alexander; 35 years	8/12/17	Finger injured	Alexander allowed the first finger of his left hand to come into contact with the endless knife, losing tip of finger.
Alexander Harvey and Sons (Limited), Auckland	Cannister trimmer	Myrtle Sorenson; 17 years	14/12/17	Fingers injured	When reaching over her machine the first and second fingers of Sorensen's left hand were caught in the wheel and the tips taken off.
Phoenix Company (Limited), Dunedin	Wire stitching	Amy Thornton; 32 years	9/1/18	Finger injured	Through Thornton misplacing her right hand the wire stitch pierced the point of the forefinger and took the nail off.
Waikou Valley Dairy Company, Te Aroha West	Dried milk	Paul Kotara; 20 years	15/1/18	Foot injured	Kotara slipped when working the machine; his foot was caught by the cogs, causing injury to his heel.
H. Grange, Newmarket	Crosscut saw	V. Beaver; 25 years	21/1/18	Thumb injured	When working at saw Beaver accidentally drew his hand across the saw and had his thumb cut.
Phoenix Company (Limited), Dunedin	Slotting	Myrtle Irvine; 16 years	29/1/18	Finger injured	While working machine Irvine accidentally got her finger crushed by part of it.

Waitemata Sawmill Company, Auckland	Crosscut saw	..	W. J. Pooley ; 63 years	..	30/1/18	Head injured	..	Pooley was adjusting a belt-guide under the saw-bench when he raised his head too high ; it was struck by the set-nut on the collar on the end of the shaft, inflicting a scalp-wound.
New Zealand Refrigerating Company (Limited), Wanganui	Circular saw	..	J. Nicholson ; 39 years	..	1/2/18	Hand injured	..	Nicholson's right hand came into contact with the saw, severely cutting it.
Brook Bros., Evans Flat	Flax-mill..	..	Thomas Shields ; 50 years	..	2/2/18	Ankle injured	..	A cast-iron pulley broke, and one of the pieces struck Shields on the ankle and broke it.
Wharton Bros., Auckland	Crosscut saw	..	A. Wharton ; 47 years	..	4/2/18	Fingers injured	..	Wharton was cutting firewood when his left hand slipped and, coming into contact with the saw, had two fingers and the thumb injured.
Drapery and General Importing Company (Limited), Christchurch	Goods lift	..	V. Beaumont ; 14 years	..	18/2/18	Head injured	..	Beaumont, out of curiosity, drew himself up on the door to look over the top to watch the cage descending ; he was struck by the top bar of the cage, inflicting scalp-wounds and slight injury to skull.
Aulsebrook and Co., Christchurch	Wire-stitching	..	E. W. Grose ; 15 years	..	19/2/18	Finger injured	..	The index finger of Grose's right hand was caught in the machine and cut.
D.S.C. and Cousins and Cousins (Limited), Auckland	Circular saw	..	J. A. Thorn ; 15 years	..	22/2/18	Fingers injured	..	Thorn placed his left hand behind the saw to catch hold of a piece of wood, when the first and second fingers came into contact with it.
Windsor Manufacturing Company (Limited), Wellington	Power-bench	..	R. Miller ; 48 years ..	..	26/2/18	Hand lost ..	..	While putting belt on a pulley Miller's left hand was caught between the belt and the pulley and was severed above wrist.
Skelton, Frostick, and Co. (Limited), Christchurch	Knife-press	..	L. Beardsley ; 19 years	..	26/2/18	Finger injured	..	Beardsley through negligence placed his first finger under the knife while he was operating the press, and had it cut off at the second joint.
Cook and Cook, Petone	Circular saw	..	D. Cameron ; 18 years	..	28/2/18	Fingers and arm injured	..	Cameron accidentally placed his left arm on saw, and had two fingers cut off and his arm lacerated.
Edmond Ryan, Waitahuna	Chaffcutter	..	Robert McLeod ; 50 years	..	6/3/18	Hand lost ..	..	McLeod was wearing a glove which was caught by the feed rollers ; his right hand was drawn in and severed at the wrist.
New Zealand Paper Mills (Limited), Dunedin	Paper-cutting	..	A. Ballantyne ; 24 years	..	12/3/18	Arm injured	..	Instead of going underneath the machine at the proper place, Ballantyne put his right arm through the frame and had it caught between two pinions and crushed.
Skelton, Frostick, and Co. (Limited), Christchurch	Eyelet-puncher	..	Annie George ; 20 years	..	15/3/18	Finger injured	..	Through George placing the first finger of her left hand too far into the machine she had it pierced.
Scoular and Chisholm (Limited), Dunedin	Circular saw	..	John Gibson ; 17 years	..	19/3/18	Fingers injured	..	When sawing a piece of timber Gibson's fingers came into contact with the saw, causing injury to three of them.
New Zealand Refrigerating Company (Limited), Wanganui	Wool-drying	..	J. McKay ; 18 years	..	20/3/18	Arm injured	..	McKay was altering the speed of the machine, and used his hand instead of a piece of wood to shift the belt on to another pulley ; his arm was caught by the pulley and severely bruised.

RETURN OF FATAL ACCIDENTS IN CONNECTION WITH MACHINERY DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1918.

Name and Address of Owner.	Description of Machinery.	Name and Age of Person Injured.	Date of Accident.	Cause of Accident and Remarks.
Ward, Clemmie, and Sanderson, Karaka Creek..	Berdan driven by Pelton wheel	W. J. Ward ; 44 years ..	18/4/17	Ward was changing the belt when it caught his foot and pulled him on to the shaft; he was carried round until machinery was stopped; he then fell about 10 ft. to the ground, his right foot was badly mangled, and his hip was broken. He died about two hours later.
Parker-Lamb Timber Company (Limited), Auckland	Sawmill ..	W. J. Thomas ; 23 years ..	19/6/17	Thomas was repairing the sawdust-creper and adjusting a chain with the machine in motion; he was caught by it and thrown round the shaft face first; he received severe injuries consisting of a compound fracture and dislocation of both feet, wounds and abrasions on other parts of his body. He died six days after the accident.
Waihi-Paeroa Gold-extraction Company (Limited), Paeroa	Friction-winch	Peter Lynch ; 39 years ..	11/9/17	While Lynch was working the winch, by some means his clothing was caught by the revolving shaft; he was rapidly drawn into the moving parts of the winch; his skull was crushed, his arm fractured, and had severe bruises on body, which caused his death.
Tolaga Co-operative Dairy Company (Limited), Tolaga Bay	Butter-worker	L. Rangiua ; 19 years ..	17/9/17	Rangiua was working at the churn and he slipped; in trying to save himself he placed his hand on the rollers and was drawn into the machine; he received severe injuries to his arm, and he died two days after the accident.
Mrs. E. F. Bloomfield, Winton	Flax-mill ..	J. J. Miller ; 43 years ..	5/10/17	Miller was repairing a belt when he was caught by the shafting; it wound Miller with it around the shafting; he was carried round the shaft and had severe injuries to the right leg, which was torn off, his back was broken, and his head fractured. He died twenty minutes after the accident.
William Henry Hayman, Willowbridge	Circular saw ..	William Henry Hayman ; 46 years	30/10/17	Hayman was relieving a feeder at the saw-bench when a piece of timber fell on the saw; it flew back and struck him on the forehead and caused instantaneous death.
Aulsebrook and Co., Christchurch	Chocolate-mixer	H. G. Parsons ; 45 years ..	1/11/17	It seems that Parsons had been trying to empty the machine whilst in motion; his sleeve was caught in it, drawing his arm in, and he received such injuries to his shoulder and his head that his death occurred eight days after.
Onchunga Sawmilling Company (Limited), Onchunga	Drag-saw ..	A. R. Bartlett ; 33 years ..	17/12/17	Bartlett was sawing a piece of timber which was warped; it accidentally caught the back of the saw and was torn off and flung backwards; it struck deceased in the abdomen, causing such injuries that he died next day.
Mackay Woodruff, Otangihaku	Milking plant..	Ronald Evans ; 3 years ..	18/12/17	The child was in charge of a nurse-girl and was told to go out; he strayed away from the girl and must have come in contact with the revolving shaft; his pinafore became entangled in it and he was wound round; his head struck the floor causing his death.
Glen Oroua Co-operative Dairy Company (Limited), Glen Oroua.	Shafting ..	W. J. Robertson ; 17 years ..	25/1/18	Robertson was holding a loose belt which was used to drive a separator when by some means his right arm was caught in it and he was carried round the shafting; his neck was broken, his right shoulder fractured, and his ankles were crushed to a pulp.

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.						
Adams, H. H.	Tapu ..	Dredge ..	20	8 and 13 ..	First ..	Late Armstrong Gold-dredging Company.
"	Thames ..	"	20	9 and 16 ..	"	Late New May Queen Gold-mining Company.
Bond, H.	Devonport ..	Sawmill ..	23	12	Second	Late Bond Bros.
East Coast Co-operative Freezing Company	Whakatane ..	Steaming ..	95-2	19½ and 34	First ..	Additional.
"	"	"	95-2	19½ and 34	"	"
"	"	"	95-2	19½ and 34	"	"
Hokianga Co-operative Dairy Company	Motukaraka ..	Butter-factory	30	10½	Second	"
Joyce, A. E.	Matarana ..	Sawmill ..	26	10	"	Late W. A. O'Brien.
Kauri Timber Company	Waioitu ..	"	52	16	First ..	Late King Bros.
Kitchen and Switzer	Victoria Valley ..	"	25	10	Second	Late G. Thomas.
Langlands and Co. (Limited)	Nihotapu Dam ..	Steaming ..	27	Two 9½	"	Late New Zealand Railways, F. 503.
"	"	"	16	Two 8½	"	Requirements of Act.
"	"	"	7-4	Two 7	"	Late M. McLennan.
Maungaturoto Co-operative Dairy Company	Ranganui ..	Hauling ..	25	Nil	Locomotive and traction	Additional.
Messrs. Lapwood Bros.	Tuakau ..	Dairy factory	24	Two 9	"	Late K. Entwistle, Tuakau.
New Zealand Dairy Association (Limited)	Pukekohe ..	Butter-factory	42	12 and 19	First ..	Size of cylinders amended.
"	"	Dairy factory	60	Nil	Second	Late Campbell and Ehrenfried (Limited).
"	"	"	"	"	"	"
Ringrose, T.	Clevedon ..	Butter-factory	27	10	"	Requirements of Act.
"	"	Flax-mill ..	22	10	"	Late J. W. Levesey.
Smeed, W. A.	Marereu ..	General ..	6	8	Traction	Late J. H. Ferguson.
Steel Construction Company	Tuakau ..	Steaming ..	64	14	Second	Late Bagnall Bros.
Tauranga Rimu Company (Limited)	Freeman's Bay ..	Log-hauling	20	Two 8½	"	Additional.
"	Tauranga ..	"	29	Two 8½	"	"
"	"	"	54	10	"	"
Union Oil, Soap, and Candle Company	Westfield ..	Soapworks	5	9 and 5½	"	"
Waikato Co-operative Dairy Company (Limited)	Waikato ..	Road-roller	32	Nil	Locomotive and traction	Late Newmarket Borough Council.
Waimana Dairy Company	Tuakau ..	Butter-factory	19	6	Second	Late Walter Steel.
Waller and Banks	Waimana ..	Dairy purposes	6	8	"	Additional.
Watkins Bros. (Limited)	Franklin ..	General ..	21	12	Traction	Late F. Waller and Sons.
Westfield Freezing Company	Kakahi ..	Sawmill ..	7½	Two 7	Second	Late R. O. Clark.
Wilson's Cement Company	Westfield ..	Hauling ..	26-3	Nil	Locomotive	Late New Zealand Powell Wood Process Company.
"	Warkworth ..	Cement-works	"	"	Second	Additional.
AUCKLAND NORTH DISTRICT.						
Kauri Timber Company	Ngaitipo ..	Hauling ..	12	Two 7½	Locomotive and traction	Late Whakamarana Land and Timber Company.
Leyland-O'Brien Timber Company	Kaingaroa ..	"	8½	Two 6½	"	"
Rangiora Timber Company	Kohukohu ..	"	9	Two 6½	"	"
Whangarei Borough Council	Lake Ohia ..	Flax-mill ..	12	7 and 11½	Second	Late R. P. Gibbins (Limited).
Whangarei Freezing Company	Reotahi ..	Freezing-works	32	16 and 29	First ..	Requirements of Act.
Whangarei Timber Company	Whangarei ..	Sawmill ..	14	9 and 12½	"	Late J. Wilkinson.
"	"	"	20	9 and 12½	"	"
AUCKLAND SOUTH DISTRICT.						
Carlson, A.	Owhango ..	Sawmill ..	14	12	First ..	Size of cylinders amended.
"	"	"	12	11	"	"
Conder, J. H.	Matamata ..	Chaffcutting	5	5½ and 8 ..	Traction	Late Eynor and Conder.

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

Name of Owner.	Where Boiler used.	Purposes for which used.	Horse-power of Boiler.	Diameter of Cylinders of Engine in Inches.	Class of Driver required.	Additional Boilers; Names of late Owners of Transferred Boilers; and also showing where Size of Cylinders are now amended.
AUCKLAND SOUTH DISTRICT—continued.						
Ellis and Burnand	Manunui ..	Sawmill ..	88·4	Three 12	First ..	Additional. Size of cylinders amended.
"	Mangapuhi ..	"	65	Two 14½	"	"
"	"	"	50	Two 14½	"	"
"	"	"	51	Two 14½	"	"
Hamilton Borough Council.	Frankton	Electric light	56	12 and 22	Second	Late Frankton Borough Council.
Hunter, C.	Waimihi ..	Sawmill ..	25	14	First ..	Late Pukeweka Sawmilling Company.
Hyne, R. J.	Waitoa ..	Flax-mill..	40	14½	Second	Late Liggins and Smith.
Lees and Hedley	Tahuna ..	"	25	11	"	Late J. W. Hedley.
Manson and Clark	Taimarunui	Sawmill ..	8	6½ and 11½	Traction	Late D. Vowless and Co. (Limited).
New Zealand Dairy Association (Limited)	Orini ..	Cheese-factory	35	6	Second	Late T. Rathbone.
"	Frankton Junction	Dairy factory	86	11	"	Late Northern Timber Company (Limited).
"	Matangi ..	Dry-milk factory	65	9	"	Size of cylinders amended.
"	Gordonton	Cheese-factory	20	6½	"	Late Waihou Valley Farmers' Dairy Company.
"	Matangi ..	Dry-milk factory	50	9	"	Late New Zealand Packing Company (Limited).
"	"	"	50	13	"	Size of cylinders amended.
"	"	"	84	13	"	"
"	"	"	40	13	"	"
"	Matangi ..	Butter-factory	25	9	"	Requirements of Act.
"	"	Glaxo-factory	25	9	"	Late J. Nathan and Co.
"	Frankton Junction	Freezing ..	88	9, 14½, and 9	First ..	Size of cylinders amended.
New Zealand Farmers' Co-operative Bacon Company	"	"	"	"	"	"
New Zealand Government Public Works Department	Matiere ..	Brickworks	12	Two 7 and 10	Second	Requirements of Act.
"	"	"	"	"	"	"
Ditto	"	"	"	"	"	"
Pukemiro Collieries (Limited)	Pukemiro	Coal-mining	15	"	First ..	Additional.
Roe, A. W.	Manaku ..	Hauling ..	74	12 and 17	Second	Size of cylinders amended.
Rosevear, E. G.	Ohura ..	Sawmill ..	23	12	"	Late Matieri Sawmill Company.
Rotorua Pumice Company (Limited)	Rotorua ..	Pumice-works	14	Two 8½	"	Late J. W. Levesey.
Rotorua Timber Company ..	Otauroa ..	Sawmill ..	16	9	First ..	Late J. P. Kelly.
"	"	"	12	11	"	"
"	"	"	12	11	"	"
Taringamotu Sawmill Company (Limited)	Taringamotu	Hauling ..	17	Two 11	Locomotive	Size of cylinders amended.
Taupiri Coal-mines (Limited)	Huntly ..	Pumping ..	72	16 and 20	First ..	"
"	"	"	72	"	"	"
"	"	"	72	"	"	"
Waikou Valley Dairy Company (Limited)	Te Aroha West	Glaxo-factory	57	8	Second	"
"	"	"	57	8	"	"
"	"	"	45	8	"	"
Waimiha Sawmill Company (Limited)	Waimiha..	Sawmill ..	25	18	First ..	Requirements of Act.
CANTERBURY DISTRICT.						
Addington Iron Roller Mills (Limited)	Addington	Ironworks	15	16 and 26	First ..	Late J. Austen and Son.
"	"	"	50	16, 26, and 14	"	Late Glenmore Brick Company.
"	"	"	16	"	"	Late Lyttelton Harbour Board.
"	"	"	16	"	"	"
Canterbury By-Products Company (Limited)	Hazeldean Road	"	"	"	"	"
Canterbury Refrigerating Company (Limited)	Belfast ..	Heating ..	30	8, 12½, 7, and 11	"	Late Brown.
"	Christchurch	Manure-works	15	9½ and 16	"	Late Christchurch Frozen Meat Company.
"	"	"	15	"	"	"
"	"	"	15	"	"	"

Canterbury Refrigerating Company (Limited) ..

Elliott, C. W. .. Rangiora ..
Grimwood, F. .. Kaikoura ..
Matthews, J. J. .. Rangiora ..
Mills, John .. Waikuku ..
Mount Torlesse Coal Company ..
New Zealand Glue Company (Limited) ..
Sumner Borough Council ..
Sunnyside Mental Hospital ..
Ward and Co. (Limited) ..
Westport Coal Company (Limited) ..
Woolston Tanneries (Limited) ..
Wright, Charles ..
Wright, William ..

Bowling, R. D. ..
Crawford, H. ..
Gisborne Borough Council ..

Harris, H. ..
Maharaha Co-operative Cheese Company ..
McLeod Sawmilling Company ..
Mothora Stone Quarries Company ..
North British and Hawke's Bay Freezing Com-
pany ..
Robertshaw, W. ..
The Vello Company ..
Withers, John ..

Dominion Consolidated Development Company
(Limited) ..
Drake, Frank ..
Snowden, P. W. ..
Stratford and O'Dyer ..

Baigent, L. and J. ..
Grant, William ..
Griffen and Sons (Limited) ..
Griffith, H. ..
Mason, John I. ..
Robertson, Frank ..
Waimea County Council ..

Murray Creek Gold-mining Company ..
New Zealand Sugar of Milk and Casein Company
(Limited) ..
Ditto ..

Christchurch

Rangiora ..
Kaikoura ..
Rangiora ..
Waikuku ..
Avoca ..
Woolston ..
Sumner ..
Sunnyside ..
Christchurch ..
Hulk "Darra" ..
Woolston ..
Waddington ..
Bexley ..

Takapan ..
Havelock North ..
Gisborne ..

Ongaonga ..
Maharaha ..
Matawai ..
Gisborne ..
Napier ..
Tikokino ..
Tomoana ..
Wairoa ..

Deep Creek ..
Tuamarina ..
District ..
Mahakipawa ..

Takaka ..
Rockville ..
Nelson ..
Wangapeka ..
Puramahoi ..
Waimea ..

Reefton ..

Freezing ..

General ..
Threshing ..
General ..
Coal-mining ..
Glueworks ..
Road-roller ..
Heating ..
Brewery ..
Hoisting ..
Heating ..
General ..

General ..
Threshing, &c. ..
Electric power ..

Sawmill ..
Cheese-factory ..
Sawmill ..
Hauling ..
Freezing ..
Bridge-building ..
Rennetmaking ..
General ..

Air-compressor ..
General ..
Threshing ..

Sawmill ..
Confectionery ..
Sawmill ..
Flax-mill ..
Hauling ..

Mining ..
Sugar-of-milk factory ..

10 and 7, 8 and 14 ..
9 and 14 1/2; 25, 10, ..
and 17; 8 and 14 ..

5 1/2 and 9 ..
5 1/2 and 9 ..
6 1/2 and 10 ..
9 and 14 ..
Nil ..
6 and 9 1/2 ..
30 Two 12, six 4, two 3 ..
25 6 ..
Eight 6, two 5 1/2 ..
16 12, 21, and two 8 ..
8 9 7/16 ..
6 8 ..

7 8 1/2 ..
6 8 ..
107 14, 20 1/2, and 30 ..

107 7 17/32 and 12 ..
14 5 1/2 ..
20 11 ..
12 11 ..
33 Two 9 1/2 ..
6 5 ..
95 18 and 28 ..
8 6 1/2 and 11 1/4 ..
32 9 ..
6 8 1/4 ..

36 14 ..
5 1/2 and 9 ..
8 6 3/4 and 11 ..
8 9 ..

12 7 and 11 1/4 ..
40 9 1/4 ..
25 Nil ..
12 Two 8 1/4 ..
12 Two 9 3/8 ..
14 7 1/2 and 11 ..
7 7 3/4 and 11 ..

49 Two 14 ..
54 Nil ..
54 ..

First ..
" ..
Traction ..

" ..
" ..
" ..
First ..
Second ..
Traction ..
First ..
Second ..
First ..
" ..
Traction ..

Traction ..
" ..
First ..

" ..
" ..
Second ..
" ..
" ..
Locomotive ..
First ..
Traction ..
Second ..
Traction ..

Second ..
Traction ..
" ..
" ..

Second ..
" ..
" ..
" ..
" ..
" ..
Traction ..

First ..
Second ..
" ..

Late Christchurch Frozen Meat Company.

E. Hall. ..
Late Manson and Clark. ..
Late Robert Reid. ..
Late Morris. ..
Late Bonanza Coal Company. ..
Late Wardell Bros. ..
Late Heathcote County Council. ..
Size of cylinders amended. ..
Late Smith. ..
Size of cylinders amended. ..
Late Claridge and Smith. ..
Late Allen Bros. ..

Late Bowling and Cattermore. ..
Late T. Pilcher. ..
Late New Zealand Crown Mines Gold-mining
Company. ..
Ditto. ..
Requirements of Act. ..
Late A. McLeod. ..
Late Gisborne Borough Council. ..
Size of cylinders amended. ..
Late H. Carlson. ..
Late J. E. Smith. ..
Requirements of Act. ..

Late L. S. Humphries. ..
Late Drake and Monson. ..
Requirements of Act. ..
Late V. Dobson. ..
Late H. Baigent. ..
Late C. L. Grant. ..
Late J. M. Croucher. ..
Late Griffiths Bros. ..
Late A. D. Bird. ..
Late Page and Whelham. ..
Size of cylinders amended. ..

Late Karaka Gold-mining Company. ..
Late Goldfields Gold-dredging Company. ..

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

Name of Owner.	Where Boiler used.	Purposes for which used.	Horse-power of Boiler.	Diameter of Cylinders of Engine in Inches.	Class of Driver required.	Additional Boilers: Names of late Owners of Transferred Boilers; and also showing where Size of Cylinders are now amended.
NELSON SOUTH DISTRICT—continued.						
Ogilvie and Co. ..	Gladstone ..	Hauling ..	14	Two 7 ..	Locomotive ..	Additional. Size of cylinders amended.
Oxnam, E. D. ..	Where required ..	" ..	6	6½ and 10 ..	Traction ..	Requirements of Act.
Stuart and Chapman ..	Mikonui ..	" ..	16	Two 8 ..	Locomotive ..	
OTAGO DISTRICT.						
Arthur Bros. ..	Ida Valley ..	General ..	3½ 6½	..	Traction ..	Late A. Arthur.
Boyle, E. H. ..	District ..	Threshing ..	8 9	..	" ..	Late H. Simpson.
Bruce Railway and Coal Company ..	Waronui ..	Hauling ..	56	Two 8½, two 11, 11 and 7	First ..	Size of cylinders amended.
Hinahina Sawmill Company ..	Hinahina ..	Sawmill ..	16	8 and 13 ..	" ..	Late Upper Waikawa Sawmill Company.
Hogg and Co. ..	Dunedin ..	" ..	63	10½ ..	Second ..	Size of cylinders amended.
Hopwood, T. ..	Eveline ..	Steaming ..	16	8 ..	" ..	Late Milligan and Bond.
Jubilee Coal Company ..	Abbotsford ..	Hauling ..	39	Two 9½ ..	" ..	Late Kohinoor Dredging Party.
Lauriston Timber Company ..	Tahakopa ..	" ..	23	Two 9½ ..	Locomotive ..	Late New Zealand Railways, "D" 47.
Mackenzie, D. ..	" ..	Sawmill ..	27	16 ..	First ..	Size of cylinders amended.
McSkimming, P., and Sons ..	Tuapeka Mouth ..	Flax-mill ..	20	11½ ..	Second ..	Late A. Thomson.
Ness, T., and Son ..	Benhar ..	Pipemaking ..	16	7½ and 11½ ..	" ..	Size of cylinders amended.
Oamaru Woollen Company (Limited) ..	Kaikorai Valley ..	Felmongery ..	16	6 and 9½ ..	" ..	Late Dunedin Drainage Board.
New Zealand Coal and Oil Company ..	Oamaru ..	Heating ..	45	13 and 23 ..	First ..	Late Wood Bros. (Limited).
Petrie, G. ..	Kaitangata ..	Hauling ..	40	Two 26½ ..	" ..	Late New Zealand Colliers Railway and Oil Syndicate.
Ruddenklau, G. ..	Romahapa ..	Flax-mill ..	14	Two 8½ ..	Second ..	Late Crooks, White, and Watson.
Sharpe, A. ..	District ..	Threshing ..	9½	6½ and 10½ ..	Traction ..	Late A. Hall.
Stewart, R. T. ..	Tawarui ..	Sawmill ..	16	Two 10 ..	Second ..	Late Hayes and Co.
Tait's No. 2 Mill ..	District ..	Dredging ..	20	7½ and 14 ..	First ..	Late Golden Gate Gold-dredging Company.
	Makoreta ..	Flax-mill ..	8	9½ ..	Traction ..	Late A. Thomson.
SOUTHLAND DISTRICT.						
Bannockburn Coal-mining Company (Limited) ..	Bannockburn ..	Coal-mining ..	20	10 ..	Second ..	Change of ownership.
Brown Bros. ..	" ..	" ..	20	10 ..	" ..	Late Wairoa Railway and Coal Company.
Butler, James ..	Mill Road ..	Steaming ..	20	Nil ..	" ..	Late Wright, Stephenson, and Co.
	Winton ..	Flax-mill ..	14	Two 8½ ..	" ..	Late Oreadian Gold-dredging Company.
Caird Bros. ..	" ..	" ..	16	7 and 11 ..	" ..	Late Thomas Steel.
Campbell Bros. ..	Waimumu ..	" ..	10	10 ..	" ..	Late Charles Templeton.
Coaldale Coal Company (Limited) ..	Fortification ..	" ..	14	Two 8½ ..	" ..	Late L. A. Neiderer.
Crooks, John ..	Nightcaps ..	Hauling ..	20	Two 6 ..	" ..	Late Fred Evans.
Henry, Francis ..	Wairoa ..	" ..	8	6½ and 10½ ..	Traction ..	Late Holmes, Pascoe, and King.
Invercargill Borough Corporation ..	Waikati ..	Flax-mill ..	12	7½ and 11½ ..	Second ..	Late J. E. Waters and Co.
	Waterworks ..	Pumping ..	20	Two 12 ..	First ..	Late Wright, Stephenson, and Co. (Limited).
Jarvis, H. ..	Invercargill ..	" ..	20	Two 12 ..	" ..	Late Seifert, Weiderer, and Co. (Limited).
Kaputai Gold-dredging Syndicate ..	New River ..	Flax-mill ..	16	Two 9½ ..	Second ..	Requirements of Act.
Kay, David ..	Waikaiti ..	Gold-dredging ..	20	8 and 13 ..	One 1st and two 2nd ..	Late Kingsland Bros. and Anderson.
King and Nicol ..	Mataura ..	General ..	8	9½ ..	Traction ..	Requirements of Act.
Marlborough Timber Company ..	District ..	" ..	6	8 ..	" ..	Late J. and H. Bridgeman.
	Port Craig ..	Steam-crane ..	8	Two 9 ..	Locomotive ..	Late Cairnmuir Coal Company.
	" ..	Sawmill ..	73	17½ ..	First ..	Requirements of Act.

Marlborough Timber Company	Port Craig	Hauling	8	Two 9	Locomotive	Late Cairnmuir Coal Company, Southland.
Native Sawmilling Company	Wakapatu	Sawmill	14	Two 8½	Second	Late Broad, Small, and Co.
New Zealand Sugar of Milk and Casein Company	Edendale	Hauling	8	9	Traction	Additional.
"	"	Steaming	50	Nil	Second	Late Confederated Goldfields of New Zealand (Limited).
Nichol Bros.	Ruapuke Island	"	56	7 and 11	"	Ditto.
Ohai Railway Board	Wairoa	Flax-mill	16	7 and 11	"	Late J. A. Anderson.
"	"	Hauling	25	Two 10	Locomotive	Late Wairoa Railway and Coal Company.
Pascoe Bros. and Bryant	Tokanui	Flax-mill	13	Two 7½	"	"
Pascoe, Charles E.	Waikawa Valley	"	14	Two 8½	Second	Late King and Nichol.
Patterson and Kelly	Oware	"	12	Two 8½	"	Late Bates and Arnold, jun.
Patterson, G. B.	Whiterig	Sawmill	20	8 and 13	First	Late Wyndham Timber Company (Limited).
Patterson, John	District	Coal-mining	16	Two 6	Second	Late Ed. Charles.
Steel, Thomas	South Hillend	Chaffcutting	4½	6½	Traction	Late Angus Patterson.
"	"	Flax-mill	14	Two 8	Second	Late D. and A. McKenzie (Limited).

TARANAKI DISTRICT.

Andrew Bros.	Okato	Threshing, &c.	5-6	5 and 8½	Locomotive	Late B. and F. Andrews.
Borthwick, Thomas, and Sons	Mokoia	Freezing	85	18 and 32	First	Size of cylinders amended.
Cape Egmont Dairy Company	Pungarehu	Dairy-factory	27-9	10	Second	"
Castlecliff Railway Company	Wanganui	Hauling	26	Two 10	Locomotive	"
Egmont Brewery	New Plymouth	Brewery	22	Nil	Second	Additional.
Eltham Co-operative Dairy Company	Mata	Cheese-factory	20	8½	"	Size of cylinders amended.
Hawera Co-operative Dairy Company	Fraser Road	"	20	8	"	"
"	Hawera	Dairy	30-8	8½	"	Additional.
Inglewood Co-operative Bacon Company	Inglewood	Bacon-factory	25	Nil	"	Late Inglewood Oil Boring Company.
Joll, T. L., Co-operative Dairy	Okaiawa	Cheese-factory	17	8	"	Late Cape Egmont Co-operative Dairy Company.
Kamata Dairy Company	Kaimata	Dairy factory	25	8	"	Additional.
Kaponga Dairy Company	Kaponga	"	41	Nil	"	"
Kaupokonui Co-operative Dairy Company	Waikura	Cheese-factory	25	9	"	Size of cylinders amended.
Lepperton Dairy Company	Lepperton	Dairy factory	20-9	9	"	Additional.
Mercere Co-operative Dairy Company	Ohangai	Cheese-factory	50	8	"	Size of cylinders amended.
New Zealand Casein Company	Aramoho	Casein-works	25	9	"	Late West Coast Refrigerating Company.
Pulley, C. F.	Breakwater	Crane	5	Two 6	"	Requirements of Act.
"	"	"	6	Two 6	"	"
"	"	"	8	Two 7½	"	"
Speirs, A.	Awakino	Flax-mill	12	7 and 11	Second	Size of cylinders amended.
Taranaki Farmers' Meat Company	New Plymouth	Freezing-works	28	Two 8, one 7	"	"
"	"	"	28	"	"	"

TIMARU DISTRICT.

Bennett and Walls	Timwald	General	6	8	Traction	Late T. Wilson.
Church, E. G.	Ashburton	"	9	6½ and 11	"	Late A. E. Church.
Copland, William	Timwald	"	6	6 and 10	"	Late T. Wilson.
Greaves, J.	Timaru	"	8	9½	"	Late T. Lister.
Gudsell Bros.	Winchester	"	8	9	"	Late Alexander Gudsell.
Lane Bros.	Waimate	"	6	8½	"	Late Gudsell Bros.
McLean, John	Otaio	"	8	6½ and 11½	"	Late Quinn Bros.
Moore McKay	Methven	"	8	9½	"	Late F. A. Shields.
New Zealand Refrigerating Company	Timaru	Freezing	83	16 and 29	"	Late Christchurch Meat Company.
Oliver, J. W.	Green Street	General	8	9½	First	Late Thompson Bros.
Ruddenklau, H.	Waimate	"	8	8½	Traction	Late Cumming Bros.
Smith Bros.	Ashburton	"	32	11	"	Late J. Smith and Son.
Thompson, Robert	Timwald	Sawmill	8	6½ and 10½	Second	Late T. Wilson.
Timaru Borough Corporation	Timaru	General	8	6½ and 11	Traction	Late S. Gibson.
Tozer, A.	Pleasant Point	"	9	6½ and 11½	"	Late Sheppard Bros.
Tozer, F.	Levels	"	8	9	"	Late A. Johnson.
"	"	"	9	6½ and 11	"	Late G. Bennison.

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.						
Bourke, J. M.	Petone	Wool-washing	20	7 and 11	Second	Late J. Mellroy.
Brownlee, A. (Limited)	Featherston	Sawmill	20	10	"	Late State Coal-mines.
Cook and Cook	Petone	Woodwork	26	10½ and 8 and 13	First	Late J. Cook.
Featherston Co-operative Dairy Company	Featherston	Dairy	22	10	Second	Additional.
Hutt River Shingle Company	Melling	Stone-crushing	20	11 and 14½	First	Late Pitcaithly and Co.
Makapoi Flax-milling Company	Makerau	Flax-mill	32	12 and 20	"	Requirements of Act.
Mauriceville Lime Company	Mauriceville	Lime-crushing	50	18	"	Late Premier Manufacturing Company.
New Zealand Farmers' Co-operative Bacon and Meat-packing Company (Limited)	Ngaauranga	Steaming	50	Nil	Second	Late William Dimock and Co.
New Zealand Government Defence Department	Featherston Camp	Rolling	4	Two 4½	Traction	Requirements of Act.
Taucher, John	Masterton	Hauling	5	4½ and 7½	Locomotive and traction	Late Hatrick and Co.
Wall and Jensen	Shannon	Sawmill	12	11 and 7	Second	Late A. L. Seifert.
Wellington City Council	Wellington	Power-house	65	17, 24½, and 27½	First	Additional.
Wellington Farmers' Meat Company	Waingawa	Freezing	120	19½ and 34	"	"
"	"	Hauling	129	19½ and 34	Locomotive	"
Wellington Gas Company	Wellington	Wagon	23	Two 9½	Locomotive and traction	Size of cylinders amended.
"	"	"	6	Two 5½	"	Requirements of Act.
WELLINGTON NORTH DISTRICT.						
Dewe and Spörle	Feilding	Wool-works	39	12	Second	Additional.
Feilding Borough Council	"	Road-roller	4	4 and 6½	Traction	Additional.
Feilding Farmers' Freezing Company	Aorangi	Meat-works	68-4	8 and 12	First	Late Oroua and West Coast Mining and Prospecting Company.
Gamman and Co.	Ohakune	Sawmill	45	20½	"	Size of cylinders amended.
"	"	"	20	11 and 20½	"	Requirements of Act.
Goldfinch and Co.	"	"	25	10	Second	Late Sollitt Bros.
Nathan, Joseph, and Co.	Bunnythorpe	Dried-milk factory	45	Nil	"	Requirements of Act.
New Zealand Government Public Works Department	Ohakune	Stone-crushing	16	Two 9½	"	"
Orata Sawmilling Company	Horopito	Log-hauling	13	Two 9	"	Late F. J. Carter.
"	"	Sawmill	16	"	"	"
Wanganui Sash and Door Company (Limited)	Karioi	"	35	14	"	Late Waikopiro Sawmilling Company.
WESTLAND DISTRICT.						
Blackwater North Gold-mining Company	Waitua	Sawmill	10	Two 14	Winding	Late Prohibition Gold-mining Company.
"	"	"	16	Two 8½	Second	Late Consolidated Goldfields of New Zealand (Limited).
Kanieri Sawmill Company	Kanieri	"	12	"	"	Late Malcock.
Lake Brunner Sawmill Company	Bell Hill	Hauling	10	Two 8	Locomotive	Requirements of Act.
McLean, D., and Sons	Where-required	Tractor	7	5 and 8½	Traction	Late Greenstone Mining Company.
Ogilvie and Co.	Gladstone	Hauling	9½	Two 7	Locomotive	Leased from Barber Bros.
Point Elizabeth Mining Company	Brunner	Mining	60	Two 6½ and two 5	Second	Late State Mine Company.
Te Kinga Land and Timber Company	Te Kinga	Sawmill	48	16	First	Late Stratford and Blair.
Topliss Bros.	Greymouth	Butter-Factory	20	12½	Second	Late Poynton and Hamilton.
Westland Sawmill Company	Cameron's	Locomotive	14	Two 7	Locomotive	Late Midland Sawmill Company.

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