

1893.
NEW ZEALAND.

MARINE DEPARTMENT.

(ANNUAL REPORT FOR 1892-93.)

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

MY LORD,—

Marine Department, Wellington, 22nd September, 1893.

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

I have, &c.,

P. A. BUCKLEY,

Minister having charge of the Marine Department.

His Excellency the Right Honourable the Earl of Glasgow, &c.,
Governor of New Zealand.

The ASSISTANT SECRETARY to the MINISTER of MARINE.

SIR,—

Marine Department, Wellington, 7th August, 1893.

I have the honour to submit the following report of this department for the year ended the 31st March last:—

Lighthouses.—No accident that affected the light was reported from any of the lighthouses during the year. Cuvier Island Lighthouse was struck by lightning on the 4th November last, but no damage was done to the lantern or tower; the coils of two of the electric bells were, however, fused. The light on the French Pass Beacon was not extinguished during the year. No repairs of any importance have been carried out to any of the lighthouses or buildings. The new lantern for Farewell Spit has been procured from Scotland; and it is to be hoped that a sum of money will be provided for the erection of a new tower. There is a convenient site for the new lighthouse a little further towards the spit end, and the tower need only be 60ft. in height, instead of 100ft. as at present; this reduction can be made as the light will not be of so much importance after the exhibition of Stephens Island Light. The trial shipment of mineral colza oil did not prove satisfactory, the burners at present in use apparently not being suitable for its consumption.

I regret to have to report the death of two principal keepers—Kidson and Scopes, both valuable servants. Their widows were given a year's pay as a compassionate allowance. Two assistant-keepers were appointed to the vacancies created by their deaths.

New Lighthouses.—The works on Stephens Island have been carried on during the year with the result that it is anticipated that the light will be ready for exhibition in January next. The tower is of cast-iron, and the contract for its construction has been carried out by Messrs. Beaney and Sons (who made the one erected at Cuvier Island) for the sum of £689. The lantern and apparatus have been received from England, the apparatus being a revolving one, showing a double flash every thirty seconds. Masters of vessels have expressed great satisfaction at the prospect of the speedy exhibition of this light. Mariners urge the erection of lights at Cape Palliser, eastern entrance to Cook Strait, and at Rocks or Kiourangi Point, on the west coast of the South Island. Both these lights would be of great service, the one near Rocks Point being wanted in connection with the coal trade to Westport. The cost of their erection would probably be between £6,000 and £7,000 each.

Harbours.—The buoys at the harbours under the control of this department have been kept in order by the "Hinemoa." No works of any importance have been carried on in connection with any harbour except the dredging at New Plymouth, a sum of £3,961 9s. 6d. having been expended under the direction of the Public Works Department in carrying out this work. The master of a vessel, who discharged ballast in Kaipara Harbour, was fined 50s. and costs for so doing. The County Council of Whangarei was authorised, by Order in Council dated the 13th December last, to exercise all the powers of a Harbour Board in Whangarei Harbour, contracts having been first let for putting the local wharves in order. A sum of money was granted to the Mongonui County Council for repairing and enlarging the wharf at Mongonui. A harbourmaster, at a small salary, was appointed at Waikawa to look after the beacons and to see vessels did not discharge their ballast in the harbour. In February a very heavy gale blew down the leading beacons on the north side of the entrance to Manukau Harbour, and, consequently, the leading lights were extinguished; the harbourmaster, however, succeeded in temporarily repairing the beacons, and the lights were relighted after being out for four nights only. A sum of money has been placed on the estimates for the erection of new beacons, of which it is proposed only to have two instead of three, as at present. A sum of £100 was granted to the Opuake Wharf Company for the purpose of laying down moorings near the wharf recently erected at that port. By direction of the Government, Mr. T. Perham visited and reported on the following works: Dredging at Nelson Harbour, and improvement of Mokau, Waitara, and Wairoa (Hawke's Bay) Rivers.

Orders in Council.—The following Orders in Council, under the provisions of the Harbours Acts, have been issued during the year:—

- January 13, 1892. Approves plan of extension of Bluff Wharf.
 May 17. Approves plans of addition to wharf on west side of Turanganui River, Gisborne.
 June 4. Approves plans of J. A. Rhodes's Wharf, at Aratapu.
 June 4. Licenses J. A. Rhodes to use foreshore at Aratapu for wharf site.
 June 14. Approves dredging on site of new wharf, Wellington.
 June 14. Vests Owake Wharf in Clutha County Council, and prescribes dues.
 July 5. Approves plan of extension of Bluff Wharf.
 July 26. Approves construction of upper training-walls between Buller Bridge and Lagoon Mouth, Westport,
 August 2. Approves plans of repairs and additions to outer eastern T, Queen's Street Wharf, Auckland.
 August 2. Approves plan of extension of Coal Creek Training-wall, Greymouth.
 August 9. Approves plan of Kauri Timber Company's reclamation at Kohukohu.
 August 9. Licenses Kauri Timber Company to use foreshore at Kohukohu.
 August 9. Approves plans of retaining-wall and reclamation north of Railway Wharf, Wellington.
 August 16. Approves plans of Timaru Rowing-club's boatshed.
 August 23. Prescribes dues and rates for Opunake Wharf.
 August 23. Approves lease of land at Castlecliff from Wanganui Harbour Board to Wanganui Meat-freezing Company.
 September 7. Approves plan of boat-landing stage, Lyttelton.
 September 7. Approves plan of cattle-jetty, Lyttelton.
 September 27. Approves plans of Witting, McKenzie, and Co.'s Wharf, South-west Bay, Stewart Island.
 September 27. Licenses Witting, McKenzie, and Co., to use foreshore at South-west Bay for wharf site.
 October 15. Approves construction of railway approach to training-wall, Westport.
 October 15. Appoints a member of Greymouth Harbour Board.
 October 15. Appoints members of Westport Harbour Board.
 October 20. Appoints a member of Westport Harbour Board.
 November 14. Approves plan of yacht-jetty, Lyttelton.
 November 21. Approves plan of W. D. Napier's slip and shed at Half-moon Bay, Stewart Island.
 November 21. Licenses W. D. Napier to occupy foreshore at Half-moon Bay as site for shed and slip.
 December 13. Declares Whangarei County Council a Harbour Board for Whangarei Harbour.
 December 13. Approves plan of A. J. Cross's boat-shed, Ewan's Bay, Wellington.
 December 13. Appoints member of Greymouth Harbour Board.
 December 13. Approves plan of A. Davidson's office on foreshore of Wairoa River, Hawke's Bay.
 December 13. Licenses A. Davidson to use foreshore, Wairoa, for office site.
 January 26, 1893. Approves plan of works, Tukituki River.
 January 26. Approves plan of addition to wharf, Gisborne.
 January 26. Approves plan of extension of F. W. Matthews's wharf, Te Koporu.
 January 26. Licenses F. W. Matthews to use foreshore at Te Koporu for wharf extension.
 February 8. Approves plan of night-soil road and platform, Akaroa.
 February 8. Licenses Akaroa Borough Council to use foreshore, Akaroa Harbour, for night-soil road and platform.
 February 8. Prescribes dues and rates for Rodney County wharves,
 February 28. Approves plans of additions and alterations to Mongonui Wharf.
 February 28. Approves plans of works for accommodation of watermen's and other boats, Wellington Harbour.
 February 28. Approves plan of New Zealand Land Association's Wharf at Te Akau, Raglan Harbour.
 February 28. Licenses New Zealand Association to use foreshore at Te Akau for wharf site.
 March 14. Approves plan of wharf at Manuka Island, Lake Wanaka.
 March 14. Approves plan of P. Coffey's boat-shed and slip, Oriental Bay.
- Light Dues.*—The sum of £15,797 10s. 9d. was received for light dues for the year, as against £16,217 16s. 7d in the preceding year, or a decrease of £420 5s. 10d.
- Government Steamers.*—The "Stella" is still laid up. Tenders for her purchase were invited in December last, but no tender was received; and on the 11th April the vessel was offered for sale by public auction, but the bidding did not reach the reserve placed on her. The "Hinemoa" has been employed in the ordinary work of the department, attending to lighthouses, cleaning and overhauling buoys and beacons, &c. Besides the usual trips to the outlying islands of the colony, she went to Sydney to bring His Excellency the Governor to New Zealand. During the year she steamed 30,840 miles, was 3,662 hours under steam, burnt 1,556 tons of coal, landed 2,638 tons cargo, and cleaned, painted, and relaid 98 buoys.
- Examination of Masters, Mates, and Engineers.*—Eighty-eight candidates passed their examination for certificates of competency and twenty-seven failed. Of those who passed fifty-seven were masters, mates, and engineers of sea-going vessels; and thirty-one were masters, and engineers of river-steamers. Of those who failed, two failed to pass the colour-test examination—namely, a candidate for an Only Mate's Certificate on the 9th July, 1892, and a candidate for a Second Mate's Certificate on the 27th February, 1893. Two certificates of service were issued during the year, one being for the foreign and the other for the harbour and river-trade, both being renewals of lost certificates. In March last a change in the system of examinations held at the ports other than Wellington was made by direction of the Minister having charge of the department, the services of the local examiners having been dispensed with, and one officer appointed to examine for Auckland and one for Lyttelton and Dunedin. The plan carried out is that examination-papers are prepared in Wellington for the examination in navigation, and the local examiner

supervises this examination, and, should the candidate pass in navigation, he examines him in seamanship. It was at one time proposed to appoint one examiner who, in conjunction with another at present in the service, should hold examinations at fixed dates at each of the principal ports, and applications were invited for the appointment, but it was subsequently decided not to adopt this plan. I submit that it would be very desirable to adopt the principle of having examinations at regular intervals at the various ports; by this means I consider that time and trouble would be saved, and the examinations would have a higher standard in the eyes of the public. This plan is adopted in Great Britain. The Chief Inspector of Machinery recommends that this plan should be adopted in connection with the examination of engineers.

Relief of Distressed Seamen.—The sum of £36 1s. 2d. has been expended during the year on account of the relief of distressed seamen belonging to New Zealand vessels. Of this amount £12 was paid for the conveyance of the crew of the "Ryno," £3 for the crew of the "Waireka," and £10 for two seamen from Macquarie Island. The sum of £11 1s. 2d. was expended in provisions for replenishing the depôts for castaways established on the Auckland, Campbell, Antipodes, and Kermadec Islands.

Wages and Effects of Deceased Seamen.—During the year the estates of fifty-four deceased seamen have been dealt with. One estate, amounting to £19 6s. 8½d., has been transferred to the Public Trustee; £94 5s. 1½d. has been paid to relatives and other claimants, and £140 0s. 10d. paid into the Public Account in accordance with the provisions of section 87 of "The Shipping and Seamen's Act, 1877." Twenty-two new estates were received during the year.

Survey of Steamers and Inspection of Machinery.—The duties connected with the survey of steamers and inspection of machinery were handed over to the Public Works Department by direction of the Government on the 2nd December last.

Wrecks and Casualties.—The accompanying table shows an analysis of the casualties reported. Those on the coast of the colony number 41, representing 14,803 tons, as against 33 casualties, affecting 17,650 tons, in the previous year. The number of total wrecks within the colony was 11 vessels, of 768 aggregate tonnage, as against 4 vessels, of 4,453 aggregate tonnage, in the previous year. The number of lives lost during the year was 38, as against 8 in the previous year. Of these 24 were lost on or near the coasts of the colony—namely, 6 from the "Louie" (all hands), 2 from the "Clematis," 2 from the s.s. "Ruby," 8 from the "Northern Star" (all hands), and 1 each from the s.s. "Maori," "Waipu," "Acacia," "Wave," "Sarah Pile," and "Edith May." Of the 14 lives lost beyond the colony, 12 were from the "Maile" (all hands), and 1 each from the "Alcestis" and "Canterbury." Portions of the hull of the "Northern Star" came ashore at Kaipara, and it is considered possible that she was lost through collision with the four-masted barque "Gowanburn," portions of wreckage from that vessel having been found on the West Coast about the time the "Northern Star" came on shore. Of the miscellaneous casualties reported, 2 were of a serious character—namely, those to the ship "Timaru," and the s.s. "Ruahine," fire having broken out in the holds of each of these vessels.

Notices to Mariners.—Thirty-six notices to mariners were issued during the year, of which nine related to matters within the colony. The following is a list of them:—

Wellington Harbour: Dredging operations.

Napier Harbour: Alteration in position of red light at end of breakwater.

Foxton Harbour: Exhibition of additional leading lights.

Manukau Harbour: Additional beacon erected.

Cook Strait: Entrance to Queen Charlotte Sound. Passage between Jackson's Head and Beacon Rock should not be used by vessels drawing over 12ft. of water (two notices).

Greymouth Harbour: Towage rates.

Rangaounou Bay: Rock reported.

Kaipara Harbour: Lower beacon, North Head, carried away by encroachment of sea.

FISHERIES.—*Oysters:* The Oyster Fisheries Act was passed last session; it provided for an export duty on oysters, for licenses to collect oysters, and for leasing foreshore for the purpose of forming oyster-beds. Regulations were made fixing the export duty at 1s. a hundredweight, and also for the issue of licenses, &c. Under powers provided for by the Act the regulations relative to the export duty, and also to the licensing of persons taking oysters, were made not to apply to the South Island. Several applications for leasing foreshore for the purpose of establishing oyster-farms have been received, but none have as yet been actually issued. I submit that it would be very desirable to have power to lease the existing oyster-beds. At present when a bed is opened, if it is all accessible, it is at once rushed, and the oysters almost completely destroyed. If the beds were leased, the lessees could be made to maintain them in proper bearing. Inspectors under the Oyster Fisheries Act were appointed at Russell and Whangarei, besides which the constables in the parts of the North Island in the vicinity of which oyster-beds exist were also appointed Inspectors. The quantity of oysters exported during the financial year amounted to 430,610 dozen from ports in the North Island, and to 184,080 from the South Island (Bluff only). The quantity exported shows a considerable decrease from last year, caused, it is believed, from the large imports into New South Wales from Queensland.

Flounders.—In February last Messrs. Spackman and Clarke were appointed to report on the question of the minimum size of flounders that should be allowed to be taken in Lake Ellesmere; they reported just subsequent to the beginning of the financial year now current, and their report has been presented to Parliament. The question of the taking of immature fish is an important one, and has been the subject of a great deal of discussion in Europe.

Imported Fish.—In accordance with the resolutions passed by the conference of acclimatisation societies held at Oamaru in March, 1892, general fishing regulations for a district comprising the whole of the South Island, except portions of the West Coast, were issued; these have proved to be a great saving of trouble and annoyance to fishermen. In the beginning of December last the administration of the laws relating to fresh-water fish was handed over to the Colonial Secretary's Department by the orders of the Government.

Returns.—Returns relating to the expenditure of the department, lighthouses, list of certificates issued, wrecks, &c., are appended hereto.

I have, &c.,

LEWIS H. B. WILSON, Assistant Secretary.

The Hon. the Minister having charge of the Marine Department, Wellington,

RETURN showing the Total Ordinary Expenditure of the Marine Department during the Financial Year ended the 31st March, 1893.

Nature of Expenditure.	Details.	Totals.	Grand Totals.
	£ s. d.	£ s. d.	£ s. d.
HEAD OFFICE:—			
Assistant Secretary	400 0 0		
Chief Clerk	275 0 0		
Clerk	200 0 0		
Extra Clerk and Draughtsman	156 0 0		
Nautical Adviser, &c.	300 0 0		
		1,331 0 0	
HARBOURS:—			1,331 0 0
Manukau,—			
Salaries	406 0 0		
Contingencies	81 7 5		
Russell,—		487 7 5	
Contingencies	8 3 7		
Ngunguru Harbour,—		8 3 7	
Beacons	4 9 6		
Whangarei,—		4 9 6	
Repairs to wharves	1 16 6		
Tauranga,—		1 16 6	
Contingencies	5 0 0		
Hokianga,—		5 0 0	
Salaries	274 0 0		
Contingencies	9 0 6		
Kaipara,—		283 0 6	
Salaries	585 10 0		
Contingencies	120 9 2		
Mokau,—		705 19 2	
Survey of river	71 14 4		
Beacons	12 14 0		
Waitara,—		84 8 4	
Survey and report on river	97 13 2		
New Plymouth,—		97 13 2	
Dredging harbour	3,961 9 6		
Opunake,—		3,961 9 6	
Salary	25 0 0		
Moorings	100 0 0		
Contingencies	7 4 4		
Foxton,—		132 4 4	
Salary	190 0 0		
Contingencies	52 12 4		
Rangitikei,—		242 12 4	
Salary	86 0 0		
Contingencies	9 7 1		
Wairau,—		45 7 1	
Salary	145 0 0		
Contingencies	31 0 7		
Havelock,—		176 0 7	
Beacons	46 11 6		
Nelson,—		46 11 6	
Salaries	780 0 0		
Survey and report on silting at wharf	53 1 11		
Contingencies	104 13 4		
Motueka,—		987 15 3	
Grant for improvement of harbour	50 0 0		
Riwaka,—		50 0 0	
Salary	6 0 0		
Waitapu,—		6 0 0	
Salary	25 0 0		
Maintenance of leading-lights	75 0 0		
Collingwood,—		100 0 0	
Salary	26 0 2		
Contingencies	4 5 0		
Karamea,—		30 5 2	
Signalman	18 0 0		
Contingencies	12 9 10		
Mokihinui,—		30 9 10	
Contingencies	12 1 5		
Nile River,—		12 1 5	
Signalman	6 5 0		
Okarito,—		6 5 0	
Salary	50 0 0		
Contingencies	42 6 3		
Okuru River,—		92 6 3	
Signalman	4 0 0		
Contingencies	6 7 0		
Waikawa,—		10 7 0	
Salary	6 0 0		
Akaroa,—		6 0 0	
Contingencies	2 2 0		
Moeraki,—		2 2 0	
Repairs to baths	20 10 0		
Wairoa (Hawke's Bay),—		20 10 0	
Survey of and report on river	129 17 4		
		129 17 4	
Pension of J. Heberley	62 10 0	62 10 0	
General harbour contingencies	160 17 2	160 17 2	
			7,939 9 11
Carried forward .. .. .	..	..	£9,270 9 11

RETURN showing the Total Ordinary Expenditure of the Marine Department—*continued.*

Nature of Expenditure.	Details.			Totals.			Grand Totals.		
	£	s.	d.	£	s.	d.	£	s.	d.
Brought forward .. .. .	..	..	..	..	..	..	9,270	9	11
LIGHTHOUSES:—									
Salaries of keepers	8,411	5	8						
Travelling-expenses of keepers	50	18	6						
Oil	2,134	2	7						
Stores and contingencies	*2,131	19	5						
Pension of Mrs. Deck	24	0	0						
Snares Island Lighthouse	3	3	0						
				12,755	9	2			
Departmental travelling-expenses	5	2	0				12,755	9	2
Sundries	84	8	3						
Charts	39	14	3						
Inquiries into wrecks and casualties	62	18	0						
Relief of distressed New Zealand seamen	36	1	2						
Administration of Fisheries Acts	130	17	4						
				359	1	0			
Inspection of Machinery and Survey of Steamers,—							359	1	0
Salaries of Inspectors	2,168	11	6						
Travelling-expenses	1,027	18	0						
Sundries	245	7	7						
				3,441	17	1			
Examination of Masters and Mates,—							3,441	17	1
Salaries	402	1	8						
Contingencies	60	16	0						
				462	17	8			
“Stella,” s.s.,—							462	17	8
Expenses while laid up .. .. .	..	..	..	221	10	8	221	10	8
“Hinemoa,” s.s.,—									
Wages, stores, provisions, &c. .. .. .	..	..	..	8,351	3	2			
Less amount earned by vessel .. .. .	..	..	..	343	8	11			
							8,007	14	3
Guaranteed interest to Wellington Patent Slip Company .. .. .	..	..	..	2,289	1	5	2,289	1	5
Weather Reporting,—									
Salary .. .. .	..	..	..	300	0	0	300	0	0
Introduction of salmon-ova .. .. .	..	..	..	73	11	11	73	11	11
							37,181	13	1
Less amount of credits to vote .. .. .	..	..	..	..	..	..	321	15	1
Total .. .. .	..	..	..	..	..	..	£36,859	18	0

* Includes cost of new lantern for Farewell Spit, £653 0s. 10d.

RETURN showing the Cost of Maintenance of the New Zealand Lighthouses, and the Quantity of Oil consumed at each, during the Year ended the 31st March, 1893.

Name of Lighthouse.	Salaries.	Oil.		Stores and Contingencies.	Totals.
		Gallons consumed.	Value.		
	£ s. d.		£ s. d.	£ s. d.	£ s. d.
Cape Maria van Diemen	401 6 1	939	66 10 3	69 13 4	537 9 8
Moko Hinou	380 8 4	817	57 17 5	77 9 11	515 15 8
Tiri-Tiri	290 0 0	520	36 16 8	32 17 11	359 14 7
Bean Rock	160 0 0	73	8 17 4	2 15 7	171 12 11
Ponui Passage	150 0 0	75	5 6 3	5 0 10	160 7 1
Cuvier Island	390 16 8	1,294	91 13 2	92 14 7	575 4 5
Portland Island	351 15 6	695	48 19 7	88 1 6	488 16 7
Napier Bluff	20 0 0	Gas	11 19 8	2 6 6	34 6 2
Pencarrow Head	268 9 11	843	59 14 3	58 5 9	386 9 11
Somes Island	145 13 10	227	16 1 7	36 4 1	197 19 6
Cape Egmont	254 3 4	570	40 7 6	35 6 6	329 17 4
Manukau Head	246 0 5	518	36 13 10	49 19 4	332 13 7
Manukau South Head leading-lights .. .. .	..	136	9 12 8	23 17 10	166 8 4
Manukau North Head leading-lights	120 0 0	182	12 17 10		
Kaipara Head	284 5 9	551	39 0 7	82 5 6	405 11 10
Brothers	532 18 10	688	48 14 8	64 11 11*	646 5 5
Tory Channel leading-lights	90 0 0	167	11 16 7	5 1 2	106 17 9
Cape Campbell	290 0 0	526	37 5 2	48 1 9	375 6 11
Godley Head	251 15 6	549	38 17 9	27 12 7	318 5 10
Akaroa Head	261 15 6	646	45 15 2	35 8 9	342 19 5
Moeraki	280 0 0	568	40 4 8	36 3 0	356 7 8
Taiaroa Head	259 14 10	569	40 6 1	31 2 7	331 3 6
Cape Saunders	251 13 4	594	42 1 6	31 10 8	325 5 6
Nugget Point	290 0 0	919	65 1 11	73 13 7	428 15 6
Waipapapa Point	261 15 6	524	37 2 4	35 11 4	334 9 2
Dog Island	383 0 6	727	51 9 11	91 3 0	525 13 5
Centre Island	336 13 4	924	65 9 0	54 4 0	456 6 4
Puysegur Point	360 0 0	872	61 15 4	70 0 10	491 16 2
Hokitika	15 0 0	Gas	12 16 3	0 8 6	23 4 9
Cape Foulwind	279 3 4	554	39 4 10	32 15 3	351 3 5
Farewell Spit	361 15 6	519	36 15 3	730 13 1†	1,129 3 10
Nelson	225 9 8	239	16 18 7	83 1 3	325 9 6
French Pass	217 10 0	124	8 15 8	23 17 0	250 2 8
Totals	8,411 5 8	17,149	1,242 19 3	2,131 19 5	11,786 4 4

Includes cost of rations, £27 4s. 3d.

† Includes cost of new lantern, £653 0s. 10d.

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
Tiri-Tiri	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
Moko Hinou	8,186	5	0
Waipapapa Point	5,969	18	11
Pontui Passage‡ .. .. .	..	..	..
Kaipara Head	5,571	8	0
French Pass	1,427	17	5
Cuvier Island	7,406	16	11
Cost of telegraph cable to Tiri-Tiri	1,085	19	6
Miscellaneous and unallocated	1,322	2	2
Total	£158,302	8	7

* Light discontinued; moved to Cape Egmont.
 † Cost of iron tower, lantern, and apparatus, which were removed from Mana Island, is not included in this.
 ‡ Built by Provincial Government of Auckland; cost not known in Marine Department.

RETURN showing the Amount of Light-dues collected during the Year ended the 31st March, 1893.

Port.	Amount collected.		
	£	s.	d.
Auckland	4,203	5	9
Onehunga	91	3	7
Whangarei	40	5	1
Whangaroa	3	13	6
Russell	53	13	11
Mongonui	1	15	6
Hokitika	14	17	8
Kaipara	121	3	5
Thames	61	15	1
Coromandel	11	15	1
Tauranga	29	10	0
Poverty Bay	223	15	5
Napier	495	3	4
New Plymouth	97	9	11
Waitara	26	17	10
Wanganui	88	15	8
Patea	5	18	2
Wellington	3,405	4	11
Wairau	13	13	1
Picton	164	8	0
Nelson	297	6	1
Westport	199	17	11
Greymouth	168	4	7
Hokitika	16	2	4
Lyttelton	1,844	14	10
Timaru	373	4	6
Oamaru	231	5	3
Dunedin	1,637	5	10
Bluff and Invercargill	1,875	4	6
Total	£15,797	10	9

RETURN showing the Expenditure on New Lighthouses, &c., during the Year ended the 31st March, 1893.

Nature of Expenditure.	Amount.		
	£	s.	d.
The Snares lighthouse	3 3 0
Stephens Island lighthouse	6,641 6 11
Total	6,644 9 11

RETURN showing the Amount of Pilotage, Port Charges, &c., collected during the Year ended the 31st March, 1893.

Name of Port.	Pilotage.	Port Charges, &c.	Total.
	£ s. d.	£ s. d.	£ s. d.
Auckland*	594 8 2	2,780 4 11	3,374 13 1
Onehunga	9 17 0	84 4 6	94 1 6
Whangarei† .. .. .	..	44 13 6	44 13 6
Hokitika	25 13 9	..	25 13 9
Kaipara	139 10 0	439 8 8	578 18 8
Thames*	104 11 0	..	104 11 0
Gisborne*	95 10 10	618 1 6	713 12 4
Wairoa*	153 11 0	4 13 0	158 4 0
Napier*	2,241 13 4	1,035 11 9	3,277 5 1
New Plymouth*	24 17 6	30 5 8	55 3 2
Waitara*	85 19 2	109 11 10	195 11 0
Wanganui*	315 17 9	..	315 17 9
Patea*	23 12 2	8 5 7	31 17 9
Poxton	130 6 5	..	130 6 5
Wellington*	447 16 4	5,476 8 1	5,924 4 5
Wairau	134 5 2	..	134 5 2
Nelson	1,322 5 7	..	1,322 5 7
Hokitika*	3 11 4	..	3 11 4
Lyttelton*	4,154 16 3	3,593 13 7	7,748 9 10
Timaru*	571 19 10	1,562 10 10	2,134 10 8
Oamaru*	436 0 2	597 8 4	1,033 8 6
Dunedin*	5,204 2 6	3,884 3 8	9,088 6 2
Invercargill* .. .. .	..	6 15 3	6 15 3
Bluff*	2,749 3 11	1,167 2 11	3,916 6 10
Riverton* .. .. .	..	7 0 6	7 0 6
Totals	18,969 9 2	21,450 4 14	40,419 13 3

* Harbour Board revenue. † £12 7s. 2d. of this amount is Harbour Board revenue.

RETURN showing the Fees, &c., received under the Shipping and Seamen's Act, the Merchant Shipping Act, the Inspection of Machinery Act, and for Pilotage and Port Charges, &c., during the Year ended the 31st March, 1893.

Nature of Receipts.	Amount.		
	£	s.	d.
Shipping and Seamen's Act:—
Fees for shipping and discharge of seamen, and sale of forms	990 0 3
Survey of steamers	1,119 10 0
Measurement of ships	12 8 0
Examination of masters, mates, and engineers	110 7 6
Light-dues	15,797 10 9
Merchant Shipping Act	60 6 0
Inspection of Machinery Act	3,111 10 3
Pilotage and port charges	2,317 17 5
Sundry receipts under Harbours Acts	96 0 0
Oyster Fisheries Act	42 18 6
Sundries	24 0 0
Total	23,691 8 8

DESCRIPTIVE RETURN of New Zealand Coastal Lighthouses.

Name of Lighthouse.	Order of Apparatus.	Description.	Period of Revolving Light.	Colour of Light.	Tower built of	Dwellings built of	Date first lighted.
Cape Maria van Diemen	1st order dioptric	Revolving	1'	White	Timber	Timber	24 Mar., 1879
	..	Fixed	..	Red, to show over Columbia Reef			
Moko Hinou	1st order dioptric	Flashing	10"	White	Stone	Timber	18 June, 1883
Tiri-Tiri..	2nd "	Fixed	..	White, with red arc over Flat Rock	Iron	"	1 Jan., 1865
Ponui Passage	5th "	"	..	White and red ..	Timber	"	29 July, 1871
Cuvier Island	1st "	Revolving	30"	White	Iron	"	22 Sept., 1889
	2nd "	"	30"	"	Timber	"	10 Feb., 1878
Portland Island	..	Fixed	..	Red, to show over Bull Rock			
Pencarrow Head	2nd order dioptric	"	..	White	Iron	Timber	1 Jan., 1859
Cape Egmont	2nd "	"	..	"	"	"	1 Aug., 1881
Manukau Head	3rd "	"	..	"	Timber	"	1 Sept., 1874
Kaipara Head	2nd "	Flashing	10"	"	"	"	1 Dec., 1884
	2nd "	"	10"	"	"	"	24 Sept., 1877
Brothers ..	..	Fixed	..	Red, to show over Cook Rock			
Cape Campbell	2nd order dioptric	Revolving	1'	White	Timber	Timber	1 Aug., 1870
Godley Head	2nd "	Fixed	..	"	Stone	Stone	1 April, 1865
Akaroa Head	2nd "	Flashing	10"	"	Timber	Timber	1 Jan., 1880
Moeraki ..	3rd "	Fixed	..	"	"	"	22 April, 1878
Taiaroa Head	3rd "	"	..	Red	Stone	Stone	2 Jan., 1865
Cape Saunders	2nd "	Revolving	1'	White	Timber	Timber	1 Jan., 1880
Nugget Point	1st "	Fixed	..	"	Stone	Stone	4 July, 1870
Waipapapa Point	2nd "	Flashing	10"	"	Timber	Timber	1 Jan., 1884
Dog Island	1st order catadioptric	Revolving	30"	"	Stone	Stone	1 Aug., 1865
Centre Island.	1st order dioptric	Fixed	..	White, with red arcs over inshore dangers	Timber	Timber	16 Sept., 1878
Puysegur Point	1st "	Flashing	10"	White	"	"	1 Mar., 1879
Cape Foulwind	2nd "	Revolving	30"	"	"	"	1 Sept., 1876
Farewell Spit	2nd "	"	1'	White, with red arc over Spit end	"	"	17 June, 1870
Nelson ..	4th "	Fixed	..	White, with red arc to mark limit of anchorage	Iron	"	4 Aug., 1862
French Pass	6th "	"	..	Red and white, with white light on beacon	"	"	1 Oct., 1884
Stephens Island	1st "	Group flashing	2 flashes in quick succession every half minute	White	"	"	Building.

RETURN of Masters, Mates, and Engineers to whom Certificates of Competency were issued during the Year ended the 31st March, 1893.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
George Napier Lindsay	Second Mate	Foreign trade	14 April, 1892 ..	698
Sydney George Morgan	First Mate	"	10 May, " ..	646
Christian Svendsen	Second Mate	"	12 " " ..	699
Roderick McLean	"	"	2 June, " ..	700
William Henry Saunders	"	"	17 " " ..	701
Archibald Brown.. ..	Master Ordinary	"	22 " " ..	521
Edward Stanley	First Mate	"	15 July, " ..	567
Otto Anderson	Only Mate	"	22 " " ..	702
Walter Andrew Tulloch	Second Mate	"	2 Aug., " ..	703
John McKenzie	Master Ordinary	(renewal)	10 " " ..	704
Henry Thomas Rawnsley	"	"	22 " " ..	489
Oscar Bodin	Second Mate	"	23 " " ..	705
James Dunn	"	"	29 " " ..	706
John Silvester Liddell	First Mate	"	29 " " ..	477
Frederick France	Second Mate	"	31 " " ..	707
George Wilson	First Mate	"	26 Sept., " ..	209
Collin Francis Post	Master Ordinary	"	26 " " ..	478
Henry James Williams	First Mate	"	26 " " ..	589
Charles Ludwig Olsen	Master Ordinary	"	26 " " ..	641
John Lundie	First Mate	"	30 " " ..	554
Alexander Campbell	Master Ordinary	"	11 Oct., " ..	708
William Barber	"	"	11 " " ..	582
John Bollons	"	"	27 " " ..	572
Sidney Stringer	"	"	14 Nov., " ..	544
Frederick John Wilcox	Only Mate	"	14 " " ..	709
Edward Stanley	First Mate	(renewal)	18 " " ..	710
Valentine John Robert Christian	Master Extra	"	28 " " ..	288
John Mason	Second Mate	"	10 Dec., " ..	711
Donald John Matheson	Only Mate	"	19 " " ..	718
Ellis Thomas Tree	Second Mate	"	19 " " ..	714
Duncan Stuart	"	"	5 Jan., 1893 ..	715
Conrad Mark Patrick Mahoney	"	"	13 " " ..	716
Charles Edward Stuart	"	"	26 " " ..	717
Charles McArthur	Master Ordinary	"	28 " " ..	585
Carl Gustaf Moberg	Second Mate	"	1 Feb., " ..	718
Philip Ernest Rhodes	First Mate	"	7 " " ..	719
Percy Sampson West	Second Mate	"	20 " " ..	720
David James Watson	Master Ordinary	"	2 March, " ..	671

RETURN of Masters, Mates, and Engineers to whom Certificates of Competency were issued during the Year ended the 31st March, 1893—*continued.*

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Alexander Campbell	Master	Home trade (renewal)	15 Aug., 1892 ..	5,356
Hugh McGilvray	"	"	9 Sept., " ..	5,348
Natale Caraman	Mate	"	26 " " ..	5,357
James Tait	"	"	21 Oct., " ..	5,358
Christopher Faulkner	Master	"	5 Dec., " ..	5,324
John Oscar Berg	"	"	11 Feb., 1893 ..	5,359
William Gifford	"	River trade	12 May, 1892 ..	3,217
John Severn	"	" (renewal)	18 June, " ..	3,218
Walter Parker	"	" (renewal)	10 Aug., " ..	3,219
William Goldie	"	"	27 Oct., " ..	3,220
John Darling Douglas	"	"	7 Nov., " ..	3,221
John Brunswick Robertson	"	"	13 Dec., " ..	3,222
David Bruce	"	"	13 " " ..	3,223
Frank Gray	"	"	13 Jan., 1893 ..	3,224
Alexander René Joseph Cogé	"	"	1 Feb., " ..	3,225
William Vereker Bindon	"	"	7 " " ..	3,226
Amos McKegg, junior	"	"	14 " " ..	3,227
Louis Clifford Goffe	"	"	2 March, " ..	3,228
William Appleby	2nd Class Engineer	Foreign trade	7 April, 1892 ..	237
Henry Smythe	"	"	2 May, " ..	238
David Ritchie	1st Class Engineer	"	9 " " ..	239
Henry Burt	2nd Class Engineer	"	29 June, " ..	240
Alfred Sneyd	"	"	8 July, " ..	241
George Walker Ross	1st Class Engineer	"	9 " " ..	194
Donald McCorquodale	"	"	9 " " ..	200
James White Dunlop	"	"	22 " " ..	192
David Ker Blair	2nd Class Engineer	"	18 Aug., " ..	242
Robert C. Anderson MacPhail	"	"	18 " " ..	243
William John Crawford	1st Class Engineer	"	4 Oct., " ..	212
Richard Thomas Saunders	"	"	14 Nov., " ..	244
Norman McKenzie	2nd Class Engineer	"	2 Dec., " ..	245
John Charles James	"	"	5 Jan., 1893 ..	246
William John Layton Stephenson	1st Class Engineer	"	24 " " ..	190
John McGregor	"	"	2 March, " ..	159
James Basire	"	"	10 " " ..	247
Robert Read	Engineer	River trade	9 May, 1892 ..	1,663
Francis Moss Boord	"	"	9 " " ..	1,664
Thomas Griffiths	"	"	9 " " ..	1,665
Samuel George Langford	"	"	12 " " ..	1,666
William Wallace	"	"	12 " " ..	1,667
Robert Browne Clark	"	"	6 June, " ..	1,668
James Young Kelly	"	"	13 " " ..	1,669
Francis John Cherry	"	"	26 July, " ..	1,670
John Dawson	"	"	12 Aug., " ..	1,671
John Maxwell	"	"	20 " " ..	1,672
John Nelson	"	"	19 Sept., " ..	1,673
William Watson	"	"	21 Oct., " ..	1,674
Rees Kenfig Williams	"	"	1 Nov., " ..	1,675
John Peter Logan Ferguson	"	"	1 " " ..	1,676
Jabez Hay	"	"	4 " " ..	1,677
Edwin A. McDonald	"	"	4 " " ..	1,678
John Kinghan	"	"	28 " " ..	1,679
William Timpany	"	"	2 Dec., " ..	1,680
Malcolm Turner	"	"	22 " " ..	1,681
John Robert Johnston	"	"	5 Jan., 1893 ..	1,682
Alexander McDonald	"	"	26 " " ..	1,683

RETURN showing the Number of MASTERS, MATES, and ENGINEERS examined during the Year ended the 31st March, 1893, distinguishing 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	10	5	15	7	4	11	3	3	6	16	5	21	..	..	..	36	17	53
Home-trade masters and mates	2	1	3	2	1	3	..	..	..	1	..	1	..	..	..	5	2	7
River-steamer masters	4	..	4	..	..	..	..	..	..	6	1	7	..	..	..	10	1	11
Sea-going engineers ..	3	1	4	5	1	6	1	..	1	7	2	9	..	..	..	16	4	20
River-steamer engineers ..	5	1	6	2	..	2	2	..	2	7	1	8	5	1	6	21	3	24
Totals	24	8	32	16	6	22	6	3	9	37	9	46	5	1	6	88	27	115

RETURN showing the Certificates of Service issued to Masters, Mates, and Engineers during the Year ended the 31st March, 1893.

Name of Person.	Rank.	Class of Certificate.	Date of Issue.	No.
Henry Worsley Hill*	Master	Foreign trade	8 July, 1892	2,560
James Lindsay*	"	Harbour and river trade	1 November, 1892	2,561

* Renewals.

RETURN of ESTATES of DECEASED SEAMEN received and administered in pursuance of the Provisions of "The Shipping and Seamen's Act, 1877," during the Year ended the 31st March, 1893.

Name of Seaman.	Balance to Credit of Estate on 31st March, 1892.	Amount received.	Amount paid.	Balance to Credit of Estate on 31st March, 1893.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
J. Johnson	1 4 0	..	1 4 0	..
J. Logan	1 0 0	..	1 0 0	..
Tom Fisher	0 18 0	..	0 18 0	..
Peter Allen	0 18 0	..	0 18 0	..
Richard Dukelow	1 18 4	..	1 18 4	..
John Taylor	22 0 11	..	22 0 11	..
R. Williamson	2 11 4	..	2 11 4	..
Peter Hansen	2 11 4	..	2 11 4	..
R. Harrison	2 11 4	..	2 11 4	..
E. S. Stratford	1 2 4	..	1 2 4	..
G. McDonough	3 6 0	..	3 6 0	..
R. Williams	2 11 4	..	2 11 4	..
Mrs. Brown	1 9 4	..	1 9 4	..
R. Bathgate	1 9 4	..	1 9 4	..
T. Brown	5 4 0	..	5 4 0	..
A. Ereckson	2 16 5	..	2 16 5	..
T. Olsen	4 2 2	..	4 2 2	..
Henry Walker	5 2 4	..	5 2 4	..
George Smith	9 0 0	..	9 0 0	..
G. Robinson	12 10 0	..	12 10 0	..
G. Hayward	12 10 0	..	12 10 0	..
Jeremiah Walsh	5 6 10	..	5 6 10	..
Lawrence Robinson	21 0 7	..	21 0 7	..
Richard Rich	17 16 5	..	17 16 5	..
Charles Engelke	1 10 7	..	1 10 7	..
John Hannaford	2 10 4	..	2 10 4	..
Mathew Tweeney	2 9 7	..	2 9 7	..
John Humphrey	10 19 9	..	10 19 9	..
William Mackay	7 14 0	..	7 14 2	..
Philip Marriott	0 2 0	..	0 2 0	..
Alexander McDonald	4 1 4	..	4 1 4	..
George Laursen	9 0 0	3 17 3	12 17 3	..
Samuel Gordon .. .. .	..	10 1 6	10 1 6	..
Harry Smith <i>alias</i> Schmidt .. .. .	..	5 2 1	5 2 1	..
August Baker <i>alias</i> Becker .. .. .	..	6 14 5	6 14 5	..
Charles J. Miller .. .. .	..	2 15 4	..	2 15 4
Neil McDonald* .. .. .	..	19 6 8½	19 6 8½	..
Carl Deng <i>alias</i> William Clausen .. .. .	..	0 19 0	..	0 19 0
E. Mann .. .. .	..	6 0 0	6 0 0	..
H. Tarry .. .. .	..	5 0 0	5 0 0	..
G. Faulkner .. .. .	..	4 10 0	..	4 10 0
R. Burvill .. .. .	..	4 10 0	4 10 0	..
George Low .. .. .	..	0 14 0	0 14 0	..
Thomson Armit .. .. .	..	6 13 0	6 13 0	..
A. E. A. Reynolds .. .. .	..	48 6 9	..	48 6 9
B. Harvey .. .. .	..	5 6 9	5 6 9	..
H. Buckland .. .. .	..	1 6 8	1 6 8	..
John Sandeman .. .. .	..	4 13 3	4 13 3	..
John L. Hewitt .. .. .	..	0 9 11½	0 9 11½	..
William James Fitzgerald .. .. .	..	0 8 0	0 8 0	..
Martin Johnson .. .. .	..	2 7 11	..	2 7 11
Erick Methela .. .. .	..	7 11 8	..	7 11 8
C. H. J. Hovell .. .. .	..	7 5 11	7 5 11	..
Jacob Souper .. .. .	..	7 3 0	..	7 3 0

* Transferred to Public Trustee.

RETURN of WRECKS and CASUALTIES to SHIPPING reported to the Marine Department from the 1st April, 1892, to the 31st March, 1893.

Date of Casualty.	Name of Vessel, also Age and Class.	Reg. Rig.	Register Tonnage.	Number of		Nature of		Place where Casualty occurred.	Wind.		Decision of Court of Inquiry, &c.	Name of Master.
				Crew.	Passengers.	Cargo.	Casualty.		Direction.	Force.		
Since Dec. 12, 1891.	Awarua, 20 years	Ketch ..	49	5	..	Nil	Stranded; total loss	Aitutaki Island, South Pacific	..	Gale ..	Vessel was leaking badly, and was surveyed by two master mariners on the 12th December, 1891, and pronounced unseaworthy, many of the planks and timbers being completely rotten. She was anchored in a lagoon and abandoned, it not being safe to remain on board. A gale came on, when the vessel drove ashore, and broke up	..
1892.	Mahurangi, 27 years	Cuttler ..	21	2	..	Nil	Stranded; total loss	Great Barrier Island, Hauraki Gulf.	..	Gale ..	Casualty caused by gale ..	Joseph Silveria.
Jan. 5	Mahurangi, 27 years	Cuttler ..	21	2	..	Nil	Stranded; total loss	Great Barrier Island, Hauraki Gulf.	..	Gale ..	Casualty caused by gale ..	..
Feb. 1	Alpha, s.s., 16 years	Ketch ..	86	3	..	Logs	Stranded; total loss	1 1/2 miles north of Waitera, Auckland	..	..	Vessel left Mahurangi for Auckland, having on board six logs, and having in tow a raft of logs. She was caught in a severe storm when near Waitera; the waves breaking over her filled the engine-room, put out the fires, and left her helpless	..
March 17	Victoria Nyanza, 29 years	Barque ..	1022	21	1	General	Collision; slight damage	Lat. 51° N., long. 7° 5' W., North Atlantic	S.W.	Moderate gale	Vessel came into collision at night with another vessel, name unknown	William Henry Fellows.
April 7	Garloch, s.s., 7 years	Schooner	211	21	23	General	Stranded; partial loss	Manukau Harbour, near Onehunga	..	..	Vessel struck a rock and broke her port propeller-shaft through vessel not steering properly on account of wheel-chains getting jammed	Finlay McArthur.
"	Soukar, 28 years, Al Lloyds	Ship ..	1304	26	..	Cement & ballast	Collision; slight damage	Alongside Gladstone Pier, Lyttelton Harbour	N.	Fresh gale	The "Soukar," which was moored at the buoys, broke her stern mooring and swung down on the "Cockermonth," which was lying at the pier	William Pater-son.
"	Cockermonth, 16 years	Ship ..	1297	22	..	Wheat ..	Collision; partial loss	Alongside Gladstone Pier, Lyttelton Harbour	..	..	The "Soukar," which was moored at the buoys, broke her stern mooring and swung down on the "Cockermonth," which was lying at the pier	J. Remington.
May 3	Waipu, 10 years	Schooner	42	3	..	Timber..	Loss of life only	At sea, off Point Rodney, 30 miles north of Auckland	..	Strong breeze	Carl Deng, A.B. and cook, was ordered to fix side-lights, and not returning to his post he was searched for, when it was found that one light had been fixed, but that he and the other light were missing. He is supposed to have overbalanced himself and fell overboard, as a very heavy sea was running at the time	Charles Anderson.
" 13, 14	Clyde, 18 years	Schooner	87	6	..	Timber..	Deck swept by heavy seas, and bulwarks, boats, &c., damaged	Off Cape Palliser, on voyage from Havelock to Lyttelton	S.	Storm ..	Casualty caused by bad weather ..	John Gibbons.
" 14	Clematis, 8 years	Ketch ..	67	6	..	S a w n timber	Loss of life only	Off Cape Campbell, on voyage from Havelock to Lyttelton	S.W.	Gale ..	Vessel was caught in a heavy gale near the Amuri Bluff, and had to run back for shelter; while so doing a heavy sea struck her, and washed two men overboard	Henry Williams.
" 16	Acacia, 21 years	Barque..	283	10	..	General	Loss of life only	About 5 miles south of Cape Saunders, on voyage from Hobart to Dunedin	S.W.	Squally	An apprentice, Henry Dossiter, while aloft, loosening the upper-foretopsal, missed his hold and fell overboard, and was lost. He struck the lower yard and the ship's rail in his descent, and sank as soon as he fell into the water	Thomas Charles Herbert.

1892. May 20	Charles and Arthur, 22 years	Brigantine	170	7	Coal	Stranded; partial loss	..	Bar of Wanganui River	N.W.	Light ..	Master committed error in judgment in attempting to enter without asking pilot by signal whether it was safe to do so. Signal "Take the bar," which was up at the time, "Charles and Arthur" coming in, but the master was meant for a steamer going out. This signal was altered to "Put to sea" when the pilot saw the "Charles and Arthur" coming in, but the master did not watch the signal-staff closely enough to enable him to obey it. Master was ordered to pay costs of inquiry	Martin Valentin.
Since May 28	Louie, 10 years	Schooner	92	6	Grain ..	Supposed foundered; total loss	6; all hands	On voyage from Lyttelton to Auckland	..	Unknown	Vessel left Lyttelton for Auckland on the 28th May, and has not since been heard of. She is supposed to have foundered at sea during the heavy gales which prevailed on the East Coast shortly after she left port	George Bell.
June 5	Wellington, 18 years, Al Lloyds	Ship ..	1247	34	Wool, tal- low, fro- zen nut- ton, and wheat	Loss of anchors and cables	..	Napier Roadstead ..	S.W.	Gale ..	Vessel parted her cables and was drifting ashore, so the master put to sea	David Cowan.
June 17	Awaroa, 17 years	Schooner	60	4	Ballast..	Stranded; total loss	..	Tua Motu Island, Poverty Bay	..	Calm ..	Wind failed, and sea caused cables to part, and vessel to drift ashore	John Urquhart.
"	Clansman, 13 years	Schooner	157	7	Coal, &c.	Sprang a leak	..	3 miles outside Whangarei Harbour	N.	Moderate gale	Vessel sprang a leak	Harrison Douglas.
"	Alceste, 24 years	Barque..	398	..	Coal ..	Loss of life only	1	154° E.; on voyage from Newcastle, N.S.W., to Dunedin	W.	Strong ..	Charles J. Miller, cook and steward, while engaged drawing a bucket of water over the lee side, overbalanced himself, fell overboard, and was lost	Walter James Rodgers.
"	Maori, s.s., 2 years	Brig ..	1756	42	General	Loss of life only	1	Cook Strait ..	S.	Moderate gale	The chief engineer, William Blacklock Wilson, was lost overboard and drowned. He is supposed to have fallen overboard in a lurch of the ship when engaged inspecting the discharge-pipes	Thomas Moffatt.
July 1	Spray, 28 years	Schooner	50	4	Grain ..	Stranded; partial loss	..	Entrance of Harbour, Port Ahuriri, Napier	N.	Moderate breeze	Vessel was drifting with tide when her head canted wrong way. The sail was then set and the anchor let go, but it fouled, and did not bring her up	William Williams.
"	Edith May, 17 years	Schooner	212	7	Produce and general	Stranded; total loss	1	On beach, 3½ miles north of Wanganui Heads	S.E.	Half a gale	Master was guilty of great neglect for remaining at anchor when there was every prospect of bad weather during the night, for remaining below from 10 p.m. till 4.30 a.m., and for not putting a spring on the cable during the evening, so as to be ready to cant vessel in right direction, if necessary to slip and put to sea. His certificate was suspended for six months, and he was ordered to pay costs	George Turner Joss.
Aug. 15	Olive, 11 years	Schooner	43	3	Kauri logs	Stranded; total loss	..	Haratonga, Great Barrier Island	..	Squally	When getting under way to proceed to Auckland, the cable was hove short to seven fathoms, the hawse-pipe carried away and jammed, she then missed stays and went on to rocks	Peter Peterson.
"	Frank Guy, 17 years	Schooner	191	5	Timber..	Stranded; partial loss	..	Woolgoolga Beach, New South Wales	E.S.E.	Strong breeze	Vessel was anchored in an open roadstead, when a heavy sea came in and drove her ashore	Norman Ferguson.
"	Wave ..	Outter ..	13	3	Fish ..	Loss of life only	1	About 16 miles E. by N. from Port Underwood, Cook Strait	S.S.E.	Strong ..	The master, Thomas Petersen, who was steering the vessel, fell backwards over the rail into the sea and was lost	Thomas Petersen.
Sept. 21	Timaru, 18 years, 100 Al	Ship ..	1306	23	Cement and bal- last	Fire on board; partial loss	..	Auckland Harbour ..	..	..	Fire supposed to be caused by spontaneous combustion of oil permeating charcoal in-sulation in freezing-chamber of hold of vessel	Duncan Fullerton.

RETURN of WRECKS and CASUALTIES to SHIPPING reported to the Marine Department—continued.

Date of Casualty.	Name of Vessel, also Age and Class.	Rig.	Registers Tonnage	Number of		Nature of		Number of Lives lost.	Place where Casualty occurred.	Wind.		Decision of Court of Inquiry, &c.	Name of Master.
				Crew	Passengers.	Cargo.	Casualty.			Direction.	Force.		
Oct. 19	Christine, 13 years	Schooner	97	8	..	Guano ..	Sprung a leak; partial loss	..	130 miles from Norfolk Island; on voyage from Long Island, Chesterfield Group, to Bluff Kapiti Island and mainland, Cook Strait	..	Heavy gale	Vessel sprung a leak during a heavy gale, and had to put into Auckland	John McLiver.
Nov. 9	Queen of the South, s.s., 15 years	Schooner	121	12	2	General	Stranded; partial loss	..	Passage Rocks, between Kapiti Island and mainland, Cook Strait	S.E.	Light ..	The mate, William Manley, committed an error of judgment in attempting to take the narrow passage without calling the master, in the absence of any instructions from him to take such passage, and he was ordered to pay the costs of the inquiry	Edward Harvey.
"	Waipara, s.s., 23 years	Schooner	62	8	3	General	Stranded; slight damage	..	North Beach, close to Hokitika River	N.E.	Light ..	Vessel took a sheer, and did not answer her helm in time when entering the narrow channel	Edward Stafford Williams.
"	Camille, 28 years	Brig'nine	221	8	1	Guano ..	Foundered; total loss	..	20 miles S.W. of Puysegur Point	S.W.	Moderate	Vessel strained, and, meeting heavy weather, sprang a leak, which overpowered the pumps	William Woebling.
Dec. 8	Trusty, 28 years	Schooner	59	3	..	Wool ..	Sprung a leak; partial loss	..	Napier roadstead	S.	Light ..	Leak, probably caused by striking her anchor, which was under her forefoot	Charles Zachen.
"	Result, s.s., 18 years	Ketch ..	18	6	1	Wool ..	Collision with breastwork; partial loss	..	Iron Pot, Napier Harbour	S.W.	Fresh breeze	The night was very dark, and the master not allowing sufficient for the flood-tide setting past the entrance to the Iron Pot, the vessel ran into the breastwork	William Ennis Baxter.
"	Kawatiri, s.s., 11 years	Schooner	286	18	..	Ballast..	Shaft broken abaft the crank	..	2 miles abreast of Cape Farewell; on voyage from Lyttelton to Westport	S.W.	Light ..	Shaft broke without warning while vessel was at ordinary speed. Vessel then made sail towards Wellington, and was picked up at 9 p.m. same night by s.s. "Dingadee," and towed into Wellington	Berthold Apt. tein.
"	Canterbury, 19 years, Glasgow, A.I.	Ship ..	1245	25	10	General	Loss of life only	1	Lat 48° 57' S, long 114° 54' E.; on voyage from Glasgow to Dunedin	S.W.	..	An ordinary seaman, A. A. Walkley, while coming down from aloft, after loosing fore-royal, fell into the sea and was lost	Andrew Culbert.
"	Sarah, 3 years..	Cutter ..	20	2	..	Stores, fencing-wire, and sundries	Stranded; total loss	..	Hen and Chickens ..	N.	..	Vessel missed stays and drifted ashore	Alexander McLeod.
1898.	Examiner, 23 years	Barque..	265	8	..	Piles and logs, iron-bark	Stranded; partial loss	..	Moggy Island, off S.W. Cape, Stewart Island	N.N.W.	Light ..	Vessel got too near land before it was seen, and when helm was put down and ship put about, she would not answer her helm, and got on rocks	Joseph Pallant.
"	Croydon Lass, 16 years	Schooner	51	4	..	Flour ..	Stranded; partial loss	..	50 yds. west of entrance to Waitara River	N.E.	Moderate breeze	Casualty caused by wind falling light	John Moore.
Feb. 2	Dunedin, 34 years	Schooner	66	4	..	Produce	Stranded; slight damage	..	Entrance to Napier Harbour.	S.S.W.	Moderate breeze	Casualty caused by man who let go the anchor letting the chain go by the run, and not being able to check it	Svend Bergen-sen.
"	Turakina, 25 years, A.A.I., London	Ship ..	1189	32	..	General	Damage to rigging through main yard falling on deck	..	60 miles off Banks Peninsula; lat. 44° 50' S, long. 174° 30' E., on voyage from Timaru to Liverpool	S.S.E.	Light ..	Link broke and let yard fall down on deck, damaging rigging and bulwarks	J. J. Hamon.
"	Oahu, s.s., 9 years	Schooner	411	20	..	General & wheat	Loss of propeller and portion of shaft	..	46 miles off land between Akaroa Heads and Godley Head, on voyage from Timaru to Napier	N.E.	Moderate breeze	Tail-shaft broke and propeller lost ..	George McDonald.

10	1898.	10	Rototiti, s.s., 16 years	17	3	..	..	..	40 yards inside outer break at Pakiri, between Bream Tail and Cape Rodney	N.E.	..	..	Forward propeller caught cable and brought anchor up, which caused vessel to go ashore	John William Nicholson.
19	Feb.	19	Rualime, s.s., 2 years, 100 A1	3925	118	Brig ..	General	102	Lat. 12° 29' S., long. 0° 2' E., South Atlantic	..	..	..	Fire, supposed to have been caused from spontaneous combustion of charcoal in cool-chamber	John Bone.
20	Since Feb.	20	Northern Star, 18 years	327	8	Barque..	Bulk-timber	..	Supposed about 200 miles south of Hokianga, between Hokianga and Cape Egmont	..	..	..	Vessel left Hokianga for Wellington on the 20th February, and the hull was washed ashore, bottom up, at the entrance to Kaipara Harbour, on the 16th March, and from the appearance of the bows she would seem to have been in collision with a vessel. Wreckage of the missing ship "Gowanburn" came ashore about the same time	John McKenzie
23	"	23	Sarah Pile, 29 years	118	6	Schooner	Ballast..	..	At sea off Wellington Heads, on voyage from Auckland to Wellington	S.E.	Moderate gale	..	An ordinary seaman, named John Robert Cowan, fell overboard and was drowned. The main-boom fell on the rail on which he was standing (the topping-lift parting), and probably caused overbalancing, the vessel lurching at the same time	George Henry Short.
(suppos'd)	"	"	Maile, 9 years..	237	10	Schooner	Ballast..	2	On voyage from Launceston, Tasmania, to Auckland	..	..	..	Vessel left Launceston on 15th February, and has not since been heard of. She is supposed to have foundered during a heavy gale, which prevailed between Australia and New Zealand on the 23rd February	W. S. Lane.
23	Feb.	23	Falcon, 16 years	98	6	Schooner	Produce	..	Entrance of Wanganui River	S.S.E.	Fresh ..	..	Casualty caused by parting of tow-line	Charles Green.
26	"	26	Queen, 29 years	46	3	Schooner	Timber & general produce	..	2 miles south of Whangaparaoa Peninsula	W.S.W.	Gentle breeze	..	s.s. "Alameda," collided with vessel. Look-out men on "Alameda," were being changed, and did not see "Queen's" lights in time	Thomas Jones.
28	"	28	Coptic, s.s., 12 years	2857	97	Barque..	Wool, meat, grain, &c.	..	Alongside No. 7 Wharf, Lyttelton Harbour	..	..	..	The "Coptic" was lying at the wharf, and the s.s. "Rimutaka," was being brought up to the wharf by the pilot: When giving an order by telegraph to the engine-room the wire broke, and the order "full speed ahead" appeared on the dial, which, being obeyed, caused the "Rimutaka" to collide with the "Coptic"	Charles Howard Kempson.
5	Mar.	5	Auckland, 19 years	1245	28	Ship ..	Wool, tallow, flax, and copra	..	Wellington Harbour ..	S.E.	Light breeze	..	Nothing to show how fire originated	Charles James.
13	"	13	Start, 20 years	27	3	Cutter ..	Firewood	..	Kennedy Bay, south of Cape Colville	S.E.	Fresh gale	..	Wind suddenly changed, when vessel anchored close in shore for shelter; her anchors were slipped, but, instead of going on the beach, she went on the reef	John Huttley.
17	"	17	Morayshire, s.s., 3 years, A1 at Lloyds	2491	52	Brig ..	General	1	Curtis Channel, off coast of Queensland	E.S.E.	Light ..	..	Vessel ran on a sand-bank while coming down the coast of Queensland	William Anderson Millar
29	"	29	Reliance, 18 years	65	4	Ketch ..	Coal ..	..	1 mile N.W. of Young Nick's Head, Poverty Bay	E.	Moderate	..	Vessel would not beat out from anchorage, and had to be run ashore to save life	Donald Rae.
31	"	31	Ruby, s.s., 17 years	19	7	Ketch ..	General	9	Mangawai bar. near Whangarei	S.E.	Light ..	..	Blind rollers came in and caused vessel to broach to, and then go on to the rocks	Michael Lennon.

