

## The MARINE ENGINEER to the SECRETARY, MARINE DEPARTMENT.

SIR,—

Wellington, 23rd August, 1921.

I have the honour to report as follows upon the various works dealt with during the year ended 31st March, 1921 :—

*Cape Maria van Diemen*.—The erection of two new dwellings is in hand, and satisfactory progress is being made despite the isolation and the great difficulties to be surmounted in landing materials and supplies.

*Kaipara Heads*.—Two lightkeepers' dwellings are in course of erection.

*East Cape Lighthouse*.—It is proposed to transfer the present lighthouse to the mainland, owing to threatened danger by erosion to the present site. Two cottages, oil-stores, workshops, &c., will be erected as usual, and two landings provided, and roads from same to the foot of hill on which light will be established. A tramway with hauling-engine will give access to the site of the tower. Material is being purchased and assembled in readiness for transport to the site, and a commencement with the work will be made at an early date.

*Cape Campbell*.—Two new dwellings are to be erected at this station, and the necessary material is now being obtained.

*Jackson's Head*.—The tower for this lighthouse has been manufactured, and will be placed in position as soon as possible.

*Kaikoura Boat-harbour Improvement*.—Plans submitted by the local body for improvement of this boat-harbour have been approved, and authority for £1,000 is being issued. The erection of a boat-slip is in hand.

*General.*

The proposals submitted for approval have been dealt with as below :—

*Wharves and Jetties*.—Little Wanganui—minor repairs effected; New Brighton—wharf plans approved; Lake Rotorua—erection of jetties approved; Jackson's Bay—jetty plans approved; Turua—erection of wharf and shed approved; Queenstown—construction of wharf approved; Lake Wakatipu—jetty authorized; Tauranga—erection of two jetties approved; Whananaki—replacement old bridge approved; Takapuna—repairs to wharf approved.

*Foreshore Leases*.—Golden Bay—boat-shed site; Balena Bay (Wellington)—extension of boat-shed; Harold Bay—boat-slip site; Omanaia River—lease approved; Rawene—lease approved; Sumner—landing-stage approved; Cambridge—landing-stage authorized; Thule Bay (Stewart Island)—boat-shed site approved; Momorangi Bay—lease approved.

*Reclamations*.—Tamaki River—boat-shed site approved; Tauranga—Harbour Board authorized to reclaim 113 acres.

*Harbour-works*.—Waikokopu—proposals for construction of inner harbour approved; Whakatane—proposals to combat erosion approved; Opunake—construction of mole conditionally approved; Tauranga—dredging of channel approved; Takaka training-walls—so far financial considerations have prevented the Takaka County Council from proceeding with this work, which the Government is subsidizing; Bulwer Wharf—plans of this proposed structure have been prepared.

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Marine Engineer.