

## NOTES TO ABSTRACT OF METEOROLOGICAL OBSERVATIONS.

(a) The Barometer is corrected and reduced to 32° Fah., at twenty-five feet above mean sea level. The greatest pressure of the atmosphere was 30.561 inches on 3rd May; the least pressure, 29.012 inches on 29th September; range, 1.549 inches.

(b) The mean temperature of the atmosphere is derived from the max. and min. self-registering thermometers, read daily at 9.30 a.m. The extreme range of temperature in the shade was 63° 6', or from 88° 9' to 25° 3'. January 6th was the warmest day in the year. The number of frosty nights, viz., 83, shows the number of times the exposed thermometer on glass fell below 32° F. It was never known to freeze at mid-day, and very seldom later than 9 a.m. July 23 was the coldest night in the year.

(c) The Hygrometrical results are calculated from the mean daily temperature of the air and evaporation.

(d) The heaviest rainfall in 24 hours was 2.172 inches, on 16th March. This is the heaviest daily fall yet registered at the station. Snow fell once, viz., on 19th June, for a few hours, and melting as it fell.

(e) Of the 29 gales and very high winds, 23 were dry, viz., 15 from N.W., 5 E. 2 N.E., 1 S.W.; and 5 from S.W., and 1 from N.E., were wet. The most violent gales blew from N.W., accompanied generally with a bright sky and a very dry atmosphere. All the fogs occurred during the night time, or in the morning or evening, and were in general very slight. No thunderstorms or shocks of earthquake occurred in the district.

## LYTTELTON PILOT AND PORT REGULATIONS.

1. No person shall be deemed a pilot unless he be duly licensed by the Marine Board.
2. Every pilot shall carry his license with him, and shall produce it to the master of any ship or vessel on its being demanded.
3. Any master requiring a pilot to conduct his vessel to sea, must make an application at the Harbour Master's Office twenty-four hours previous to sailing.
4. The rate of pilotage into or out of the Port of Lyttelton, from or to the distance of one league from the Pilot Station (Little Port Cooper), shall be fourpence per ton register.
5. Any master who shall make a signal for a pilot, or cause a pilot to be sent for to take his vessel to sea, and shall not within twelve hours of the time of arrival of the pilot on board such vessel proceed to sea, shall pay a sum at the rate of one pound per day for every day such pilot may be detained on board such vessel, in addition to the regular pilotage.
6. Every pilot detained on board a vessel longer than forty-eight hours, whether by stress of weather, quarantine, or otherwise, except in the case provided for in clause 5 of these Regulations, is to be paid eight shillings per day in addition to the regular pilotage.
7. Pilots refusing or neglecting their duty, to forfeit a sum not exceeding twenty pounds.
8. All ballast lighters must be licensed by the Superintendent, and no such lighter shall be used without such license, the license to be granted and to be in force from the date of issue till the 1st of July then next ensuing. Every such license shall be numbered, and contain the name of the vessel for which the same is granted, and the master and owner thereof, and carrying capacity. All vessels, lighters, or boats employed in carrying ballast shall have the number of their respective licenses painted on both bows, and shall be marked with a plate of iron on the stem and stern posts at the loaded and light water lines, and for every such license the person obtaining the same shall pay one pound; any person offending against this regulation shall be liable to a penalty not exceeding ten pounds.
9. The head of the Harbour Department or any person authorised by him may at any time inspect or re-measure any ballast lighter or test the accuracy of such measurement, and appoint the time, place, and manner, when, where, and in which such measurement or inspection shall be made, and any person failing to comply with any order of such authorised person shall be liable to a penalty not exceeding ten pounds.
10. The expense of measuring, re-measuring, and marking ballast lighters shall be borne and paid by the owner or owners of such ballast lighters.
11. All water-tank boats must be licensed by the Superintendent, the same to be in force from the date of issue till the 1st of July next ensuing. Every such license shall be numbered, and contain the name of the vessel for which the same is granted, the master and owner thereof, and the number of gallons she carries; and for every such license the person obtaining the same shall pay one pound. Any person supplying water from, or plying with any water-tank boat without such license, or committing any offence against this regulation shall be liable to pay a penalty not exceeding ten pounds.

## BYE-LAWS (WATERMAN'S REGULATIONS).

## PORT OF LYTTELTON.

1. Every person who wishes to ply as a waterman in the Port of Lyttelton must make application in writing to his Honor the Superintendent for a license, such application to be signed by two respectable residents in the said port.
2. Before a license is granted to any boat she must be inspected by two or more competent persons appointed by the Superintendent, who will, if approved of for a passenger boat, issue a certificate as to her dimensions and the number of passengers she is entitled to carry; such certificate must be produced before a license will be granted.
3. For every such license a fee of one pound sterling per annum must be paid at the time the applicant receives his license, and the said license must be renewed on or before the first day of July in each year, subject to the clauses one and two of these Regulations.
4. Every licensed waterman plying for hire must have his name legibly painted in letters two inches long together with his number on the inside part of the gunwale of the stern-sheets of his boat, also the number of passengers his boat is licensed to carry, and the name of his boat as inserted in his license legibly painted on the back board.
5. Any person carrying passengers for hire without a license, or any person lending his license to another to make use of, or any licensed waterman charging more than the authorised rate of fares, or refusing to employ his boat when required to do so, shall forfeit his license, and will be liable to a penalty not exceeding five pounds. But any licensed waterman who from sickness is prevented from plying, may, on the production of medical certificate, be permitted to transfer his license to a person approved of by the harbour authorities for a period not exceeding one month.
6. No boat shall be allowed to remain at any landing place after discharging her passengers, or to make fast to any steps or hand-rails belonging thereto, or in any way obstruct the passage to and from the same, and no boats, casks, timber, bulky or heavy article of any description shall be hauled up or down the steps so as to obstruct passengers from landing or embarking, under a penalty not exceeding five pounds.
7. Watermen, boatmen, carters, porters, and all other persons engaged on the wharves in Port Lyttelton, shall be under control of the harbour authorities. Any person resisting, impeding, or obstructing the said authorities in the execution of their duty, or using threatening, abusive, or obscene language, either when plying for hire, or on board or alongside of any vessel, or on or at any landing place, shall forfeit and pay a sum of not more than twenty pounds.
8. The house on the Government Wharf known as the "Waterman's House," will be set apart for the use of licensed watermen, and no other person will be allowed to occupy this building. Should any person persist in doing so, the watermen on duty are requested to report the same to the police, who will cause such intruders to be removed.
9. The authorised Fares shall be as follows for the Port of Lyttelton:—

	s.	d.
From any wharf or jetty to the steamers—single fare to or from	...	...
From any wharf or jetty to any place, or to any vessel other than steamers, lying within a space bounded on the east by a line drawn from Stoddart's to Sticking Point, and on the west by a line drawn from Naval Point to the eastern point of Church Bay	...	1 6
From any wharf or jetty to any vessel lying to the eastward of Sticking and Stoddart's Points, and to the westward of Battery Point and the buoy on Parson's Rock	...	2 6
From any wharf or jetty to Church Bay	...	4 6
From any wharf or jetty to Gollan's Bay	...	2 0
From any wharf or jetty to Rhodes' Bay—one passenger	...	3 6
Ditto, two or more, each	...	2 6
From any wharf or jetty to Quarantine Station, one passenger	...	10 0
Ditto, two or more, each	...	7 0

To the Heads, or Head of the Bay, as per agreement.

Every passenger shall be allowed to take 20 lbs. weight of luggage, free of extra charge, and for any quantity over 20 lbs. and under 50 lbs. weight, a charge of one shilling may be made, and for every additional 50 lbs. or fraction of 50 lbs. weight, a further charge of one shilling may be made.
10. Any passenger detaining a boat for a period exceeding twenty minutes, shall be liable to an extra charge of sixpence for every quarter-of-an-hour during which the boat shall be detained.
11. During the stormy weather, notice of which will be given by hoisting a blue flag half-mast at the Harbour Master's Office, and between the hours of sunset and sunrise, watermen holding a license are authorised to charge double fares, but only at those times above mentioned.
12. Passengers having any complaints to make must make them in writing to the head of the Harbour Department. Complaints made in any other way will not be acknowledged.