

TABLE OF CONTENTS.

TABLE SHOWING THE AMOUNT OF DUTY CHARGEABLE ON THE FRACTIONAL PARTS OF A GALLON OF SPIRITS, CALCULATED AT 9s. PER GALLON	PAGE
TABLE SHOWING THE DUTY RECEIVABLE ON SPIRITS FROM 1 GALLON TO 100, CALCULATED AT 9s. PER GALLON	128
RULE FOR COMPUTING OVERPROOFS ON SPIRITS, IN CASKS CONTAINING TWENTY GALLONS AND OVER	128
RULE FOR COMPUTING THE OVERPROOF ON SPIRITS IN ULLAGE CASKS CONTAINING LESS THAN TWENTY GALLONS	129
A TABLE OF TENTHS AND DECIMAL PARTS TO EVERY THIRTY-SECOND PART OF A GALLON	130
RULE FOR COMPUTING THE OVERPROOF ON SPIRITS IN BOTTLE	130
INFORMATION FOR PASSING ENTRIES AT CUSTOM HOUSE	130
LIST OF ARTICLES NECESSARY TO BE KEPT BY OWNERS OF BONDING WAREHOUSES	131
ITINERARY.—Christchurch to the Otago Boundary	131
PROVINCE OF NELSON—	
Narrative of Events	133
Official Directory	138
Trades Directory	141
Arrival and Departure of Mails	144
Scale of Charges at Nelson Government Wharf	144
Itinerary—Nelson to Christchurch by the Wairau Gorge	145
PROVINCE OF MARLBOROUGH—	
Official Directory	146
Trades Directory, Blenheim	147
" Picton	147
PROVINCE OF SOUTHLAND—	
Narrative of Events	149
Southland Directory	152
USEFUL TABLES	153
SAILING DIRECTIONS AND SIGNALS IN USE AT THE VARIOUS PORTS OF NEW ZEALAND	158
TIDE HOURS, RANGE, AND COMPASS VARIATION, ISLANDS OF NEW ZEALAND	169

PRINCIPAL ARTICLES
OF THE CALENDAR FOR THE YEAR 1864.

Golden Number	3	Dominical Letters	CB
Epact	22	Roman Indiction	7
Solar Cycle	25	Julian Period	6577

The year 5625 of the Jewish Era commences on October 1, 1864.

Ramadân (Month of Abstinence observed by the Turks) commences on February 9, 1864.

The year 1281 of the Mohammedan Era commences on June 6, 1864.

ECLIPSES OF THE SUN.

DURING this year there will be two Eclipses, both of the Sun, viz. :—

I.—A total Eclipse of the Sun, May 6th, visible in New Zealand. Begins on the Earth generally (mean time at Lyttelton) 9h. 1m. a.m. Greatest Eclipse, 11h. 53m. a.m. Ends on the Earth generally, 2h. 34m. p.m.

II.—An annular Eclipse of the Sun, October 30th, invisible in New Zealand. Begins on the Earth generally (mean time at Lyttelton) 0h. 2m. a.m. Greatest Eclipse, 3h. 6m. Ends on the Earth generally, 6h. 0m. a.m.

PHENOMENA FOR 1864.

GREENWICH MEAN TIME.

JANUARY.

On the 2nd day, at 12h. 6m., Saturn in conjunction with the Moon. 4th day, 22h. 2m., Jupiter in conjunction with the Moon. 5th day, 13h. 55m., Venus in conjunction with the Moon. 5th day, Venus at greatest heliocentric latitude N. 6th, 13h. 29m., Mars in conjunction with the Moon. 8th day, 5h. 19m., Saturn in quadrature with the Moon. 8th day, 21h. 12m., Mercury at greatest elongation. 10th day, 6h. 11m., Mercury in conjunction with the Moon. 15th day, 6h. 53m., Mercury stationary. 16th day, 13h. 43m., Mercury in perihelion. 19th day, 22h. 31m., Uranus in conjunction with the Moon. 26th day, Mercury in greatest heliocentric latitude N. 28th day, 0h. 53m., Saturn stationary. 29th day, Saturn in conjunction with the Moon.

FEBRUARY.

1st day, Jupiter, in conjunction with the Moon. 4th day, 10h. 1m., Mercury in conjunction with the Moon. 4th day, 11h. 4m., Mars in conjunction with the Moon. 5th day, 7h. 10m., Mercury stationary. 5th, 17h. 42m., Venus in conjunction with the Moon. 5th, 18h. 58m., Mercury in conjunction with the Moon. 15th, 9h. 20m., Jupiter in quadrature with the Sun. 16th day, 3h. 14m., Uranus in conjunction with the Moon. 18th day, 11h. 26m., Mercury at greatest elongation. 26th, 0h. 21m., Saturn in conjunction with the Moon. 27th, 16h. 10m., Uranus stationary. 29th, 0h. 14m., Saturn in conjunction with the Moon. 29th, 13h. 23m., Mercury in aphelion.

MARCH.

4th day, 8h. 53m., Mars in conjunction with the Moon. 5th day, 8h. 27m., Venus in conjunction with the Moon. 6th day, 7h. 2m., Mercury in conjunction with the Moon. 10th, 22h. 13m., Uranus in quadrature with the Sun. 13th day, 0h. 28m., Jupiter stationary. 14th, 10h. 26m., Uranus in conjunction with the