

EXPLANATION
OF THE
Principal Articles of the Calendar.

ON THE LEFT HAND PAGE will be found the day of the Month, day of the Week, Time of Sun's Rising and Setting reduced to Mean Charlottetown Time, the Equation of Time, (usually called "Sun Fast or Slow of Clock") which is given for the instant of *Apparent Noon at Greenwich*, and in the next column at the right, the hourly change or variation of same.

The Sun's Declination is given at *Apparent and Mean Noon at Greenwich*, and is the same as the quantities given in the Nautical Almanac Pages I and II, while at the right of the two columns the Hourly variation is also given.

On the right hand page are given the Sun's semi-diameter for each day, the Moon's Rising and Setting, (*Approximately*) the Time of High Water Morning and Afternoon at Charlottetown and London Bridge, and the Moon's Transit as given in the Nautical Almanac; see Tides and Tidal Constants Page 29.

The *Equation of Time, Sun's Declination, &c.*, are given for the use of Seamen, and as care has been taken in compiling these quantities, which are intended to be used exactly as though taken from the Nautical Almanac, Seamen will find them sufficient for obtaining the Latitude, Longitude, Amplitude, Azimuth, Tides, &c., while being easier of access than the larger and somewhat clumsy Nautical Almanac, it is hoped it will be found sufficiently accurate for nearly all purposes.

ECLIPSES.

There will be Five Eclipses during the year 1877, three of the Sun and two of the Moon.

1st. Feb. 27th: A Total Eclipse of the Moon invisible at Charlottetown; visible as a Partial Eclipse at Greenwich.

2nd. March 14 and 15: A Partial Eclipse of the Sun not visible on this Island.

3rd. August 8th: A Partial Eclipse of the Sun invisible at Charlottetown.

4th. August 23rd: A Total Eclipse of the Moon visible as a Partial Eclipse at Charlottetown: The Moon will rise eclipsed, and the phase of greatest obscuration will be at about sunset.