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WHOLESALE AND RETAIL.

Explanations, and Principal Articles of the Calendar for 1873.

EXPLANATIONS.

All the calculations are reduced to local mean time for Charlottetown, with the exception of the Sun's Declination and Right Ascension, and the Equation of Time, which are given for Apparent noon. In consequence of the ellipticity of the earth's orbit, the apparent course of the sun along the line of the ecliptic is more rapid in winter than in summer, while the earth's rotation is uniform: hence the length of the day, as marked by the sun's return to the meridian, varies continually. This irregularity has to be compensated by the equation of time, which is to be added or subtracted, as the case requires, from the time as indicated by sundial or other observation, in order to obtain the mean time. So also mean time being known from a correctly going clock, apparent time may be found by reversing the operation.

The various phenomena of the moon's motions and the tides are given to the nearest minute. The bearings, (true, not compass) accompanying the moon's changes are given for the purpose of assisting or testing the matter of weather forecasts.

The days of expected atmospheric disturbance are the days when the Moon in its orbit crosses the equinoctial line, or attains its greatest North or South declination. When these days fall close upon the time of a Moon's change, or Perigee, or both combined, the disturbing influence on the atmospheric Tides is proportionally increased. These cases are marked \*\* or \*\*\* according as two or more of these influences are combined, and the more closely the times agree, the stronger and more certain is the disturbance likely to be.

In addition to the general local disturbance on these days, the effect of a storm generated within the Tropics may be propagated so as to arrive within two or three days, it having been ascertained that the average rate at which such storms travel is about sixteen miles per hour.

CHRONOLOGICAL NOTES.

Epact (Moon's age, January 1st)	1
Golden Number, (year of Lunar Cycle)	12
placed against the Paschal Full Moon	April 12th
Solar Cycle	6
Dominical Letter	E
Roman Indiction	1
Julian Period	6586
Turkish Ramadan	Oct. 23d
Year 5634 of Jewish Era	Sept. 22d
Year 1290 of Mahomedan Era	March 1st