

PRINCIPAL ARTICLES OF THE CALENDAR FOR 1869.

CHRONOLOGICAL CYCLES.

Golden Number or Cycle of the Moon, (19 years)	8.
Epact—Moon's age on January 1st,	17
Solar Cycle of 28 years,	2.
Dominical Letter,	C
Roman Indiction, (a financial term of 15 years)	12
The Julian Period of 7980 years,	6582.
The year 5630 of the Jewish Era commences September 6.	
The year 1286 of the Hegira or Mahomedan Era com. April 24.	

EXPLANATIONS.

All the calculations are reduced to local mean time for Charlottetown, lat. $46^{\circ} 13' 55''$ N., long. $63^{\circ} 7' 23''$ W., with the exception of equation of time in Sun's right ascension and declination, which are given for apparent noon. The Sun's apparent semi-diameter is also inserted on the respective days for each complete second of arc.

The time of High Water is given for once in the 24 hours; the intervening tide being readily found by taking half the nominal interval between the two tides. The tides for the following places will be found by subtracting from Charlottetown time as follows:

Pinette, Bedeque, Pictou, Tatmagouche -	0h. 45m.
Murray Harbour -	1 39
Indian Rocks, Wood Islands -	2 5
Cardigan River -	2 5
St. Peter's -	2 15
Malpeque -	4 45
Cascumpec -	5 5
North Cape -	6 35

At the head of each month, beside the changes of the Moon, are given the Moon's bearing at the time of change, the Perigee or Moon's nearest approach to the earth, and the days when the Moon crosses the Equator, and reaches her greatest north or south declination; on which point Saxby's system of Lunar Equinoctials is founded; the principle being that on these days the Moon's influence on the atmospheric tides is most marked; and when these times fall close upon the time of Moon's change or Perigee, this disturbing influence is proportionally increased. These cases are marked ** or ***, according as two or three of these influences combine. When *** occur, a gale or other strong atmospheric disturbance may be expected with considerable certainty.

In addition to the general local disturbance on these days, the

Foolscap, Letter and Note Paper, at H. A. HARVIE'S.

Cheap Dry Goods at the Glasgow House, F. LE PAGE.

DAVIES & WEEKS for Hats, Caps, Collars, Scarfs and Ties.

[1869.

Co.

S.

9

ter,

CTION.

tock.

eks.

Street.

MACEACHERN & Co., 'ITALIAN WAREHOUSE,'