Venus will te the Morning Star until Octr. 11. After which she will be the Evening Star to the end of the yenr.

Mars will be the Morning Star during the year.
Jupiter will be the Morning Star until April 9, then the Evening Star until Octr. 22, thence the Morning Star to the close of the year.

Sarurn will be the Evening Star until April 15, then the Morning Star until Octr. 22, after which the Evening Star.

EXPLANATION OF THE CALENDAR PAGES.

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ZEFTHAND PAGE.
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## Column.

1. \& 2.-Contain the days of the month and of the week.

3 \& 4.-The rising and setting in mean time of the highest point, or of the upper limb of the Sun, corrected for refraction.
5.-Days length in hours and minutes.
6.-The Equation of Time (or quantity by which the Sun is slow or fast of the clock) at noon, apparent time (not mean) at Greenwich. The interval of time between the Sun being on the Meridian or Southing, on one day and his being on the Meridian or Southing on the next dey, is not always the same; and therefore, solar days are not equal in dura tion; about one-half are a little more, and about onehalf are a little less than 24 hours. A clock regulated by the Sun, or the Sun-dial, would need frequent adjustment; to avoid this, an imaginary sun is supposed to move, so that the interval of time between its consecutive passages over the meridian is always the same, viz., 24 hours; such a time represents a mean solar day, and it is the average of all the apparent solar days in a year. The difference of time between the imaginary Sur and the true Sun passing the Meridian, is called the "Equation of Time," the amount of which at noon on every day is inserted in this column. There are only 4 days in the year when apparent and meantime are the same, or the Equation of time is nothing. In this year these days are April 16, June 16, Sept. 1, and Decr. 25.

By the assistance of the numbers in this column, a clock can be set by a Sun-dial as follows; -When fast is placed above the number opposite to the day, then the clock ought to be set fast on the time shown by the Sun-dialand when slow is above the number, the clock ought to be set so much slower. Example :-When the Sun shows noon on the Sun dial on June 1, and July 1, what are the

