No. 801,887. PATENTED OCT. 17, 1905.

A. A. LOW.

CALENDAR.

APPLICATION FILED JAN. 20, 1905.

2 SHEETS—SHEET 1.

Fig 1.

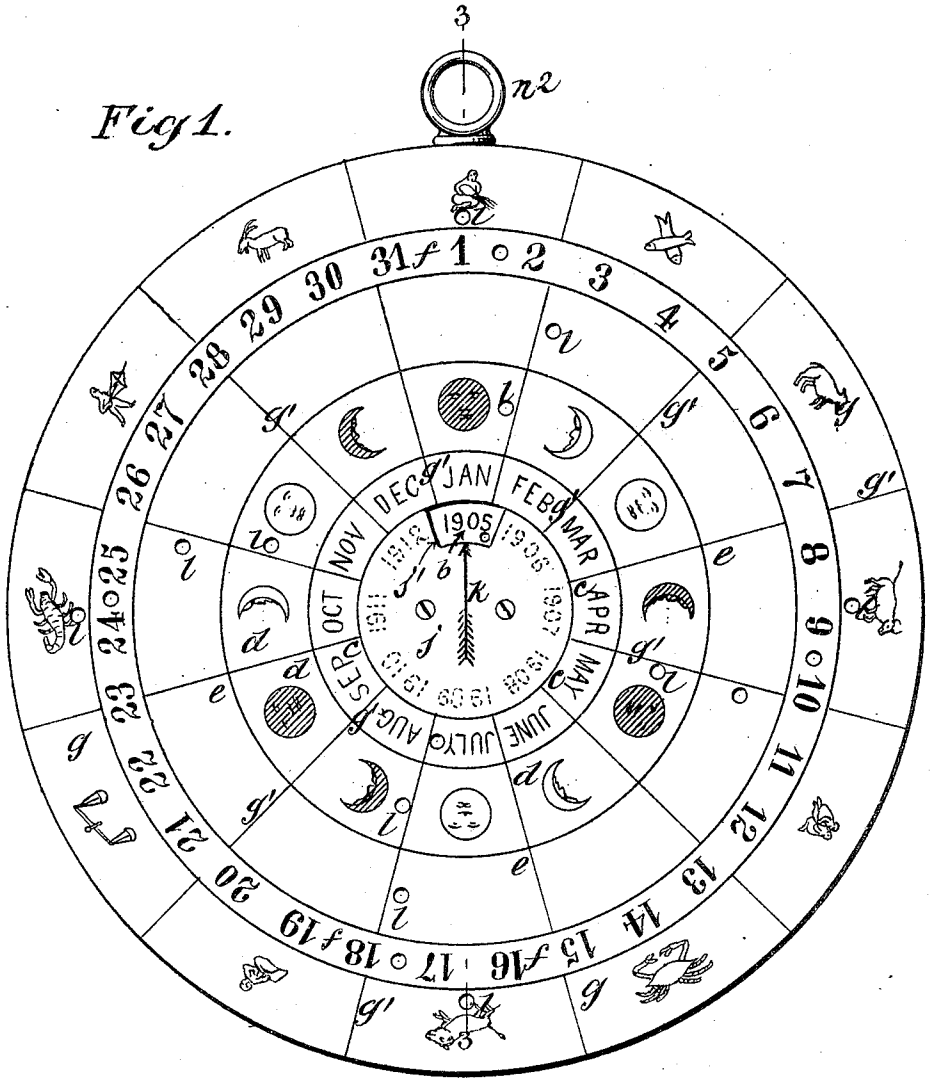
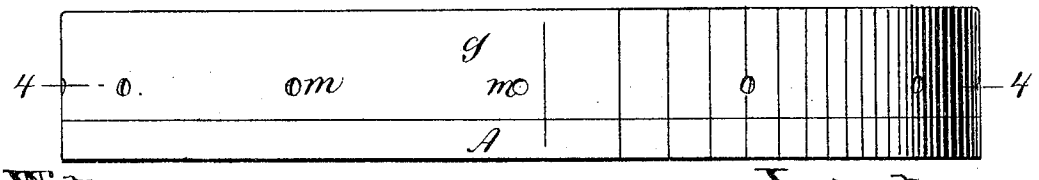


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

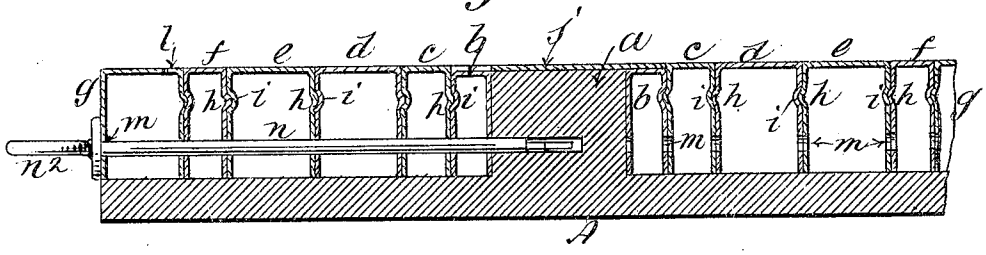


Fig. 4.

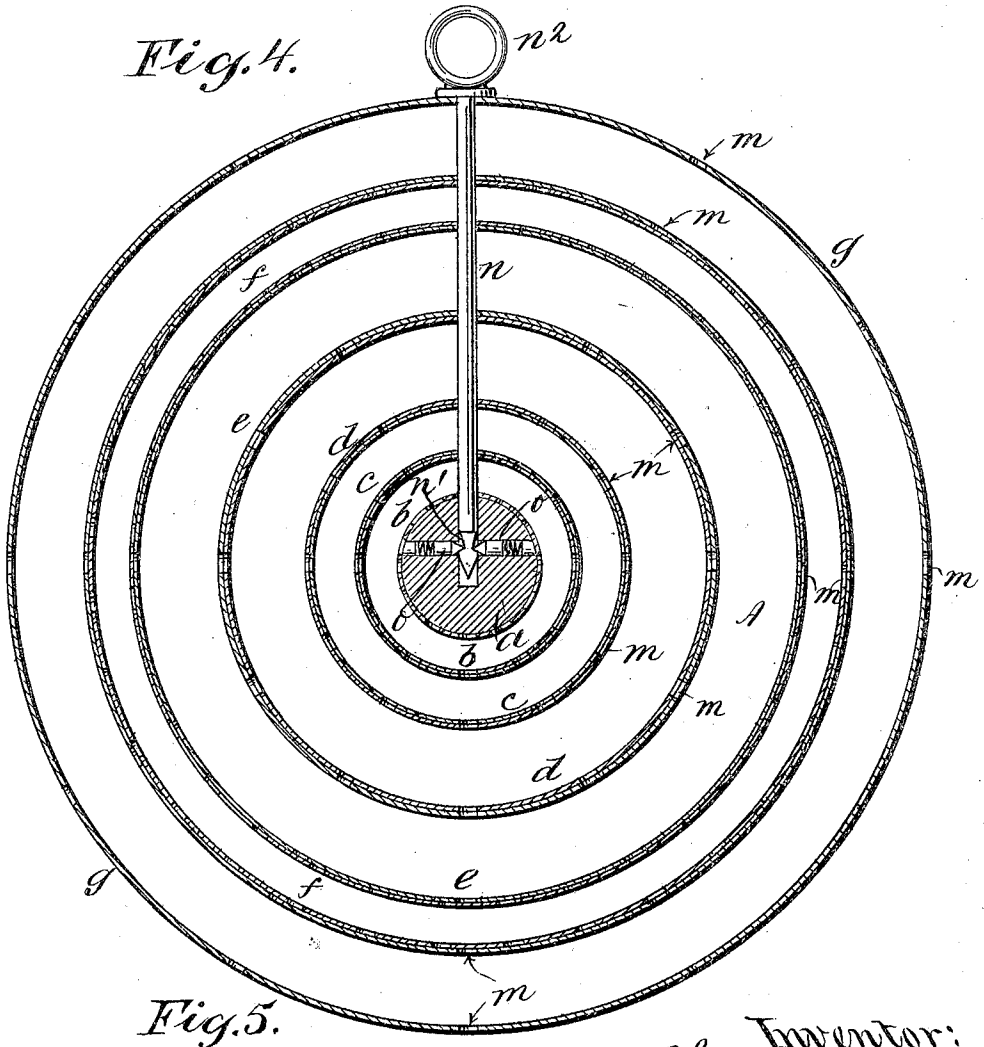
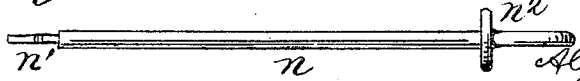


Fig. 5.



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UNITED STATES PATENT OFFICE.

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CALENDAR.

No. 801,887. Specification of Letters Patent. Patented Oct. 17, 1905.

Application filed January 20, 1905. Serial No. 241,961.

To all whom it may concern:

Be it known that I, ABBOT AUGUSTUS LOW, a citizen of the United States, residing at Horseshoe, St. Lawrence county, and State of New York, have invented certain new and useful Improvements in Calendars, of which the following is a specification sufficient to enable others skilled in the art to which the invention appertains to make and use the same.

My invention relates to calendars of a permanent character, and is designed to afford a device in which the several adjustments may be readily and conveniently made, the device at the same time being simple and inexpensive in structure.

To this end the invention consists in the special construction and arrangement of parts hereinafter described and claimed specifically.

A distinguishing feature of my invention consists in the use of a series of annular ring-plates, U-shaped in cross-section and arranged concentrically and interlocking with each other in such manner that each may be moved independently of the other in adjusting the different parts of the calendar.

Another feature consists in the means for locking the parts in a prescribed position with relation to each other.

In the accompanying drawings, Figure 1 is a front elevation of my improved calendar; Fig. 2, an edge view of the same. Fig. 3 is a sectional elevation upon plane of line 3 3, Fig. 1, partly broken away. Fig. 4 is a section upon plane of line 4 4, Fig. 2. Fig. 5 is a detail view of the locking-bolt.

A represents a base-plate or backing of any desired character, preferably of disk form. This backing A is provided with a central hub *a*, upon and around which a series of annular ring-plates *b c d e f g* are arranged. These plates *b c d e f g* are preferably made of sheet metal bent up into U shape in cross-section and formed each with interlocking beads *h* and grooves *i*, as will be clearly seen by reference to Fig. 3, said beads and grooves being formed in the opposed side walls of the ring-plates.

The surface of the ring-plate *b* is marked with a series of years, eight years being indicated on that shown in the drawings. The next succeeding ring *c* is marked with the month of the year; *d* with the phases of the moon. *e* is a blank ring upon which it is intended to indicate temporary, special, or incidental seasons, festivals, events, or dates to which it is desirable to call attention specifically. *f* is marked with the figures "1" to "31" consecutively for use in indicating the days of the month, and *g* bears the signs of the zodiac, being subdivided into twelve by the radial lines *g'*. It will be noticed in this connection that all of the division-lines are radial and that when the parts are adjusted to a prescribed reading such radial lines coincide with each other, as shown in Fig. 1.

Attached to the hub *a* is a cap or plate *j*, which overlaps the hub and year-ring plate *b*, but is formed with a recess or opening *j'*, through which the current year may be read. The plate *j* is marked with an arrow *k*, pointing upward to indicate the reading of the calendar.

Holes or depressions *l* are formed in the surfaces of the ring-plates to facilitate their adjustment by means of any small article inserted therein temporarily. The lateral or side walls of the rings are also formed with holes or perforations *m*, coinciding with the various adjustment of the parts and for the reception of a lock-bolt *n*, which is passed through the various coinciding holes when the desired adjustment is effected and is held therein by spring-tumblers *o* in the hub *a*, said tumblers engaging with shoulders *n'*, formed on the end of a bolt *n*, this part of the bolt being made flat and of less thickness than the main portion, so that by turning the bolt on its longitudinal axis to the extent of a quarter-turn said shoulders *n'* may be disengaged from the tumblers *o* and the bolt then withdrawn. I form the outer end of the bolt *n* with an eye n^2, which answers the double purpose of a handle and of means for hanging or suspending the device as a calendar in any desired position.

The calendar, if preferred, may be supported in an inclined position upon a suitable standard, either forming a part of or auxiliary to the base or backing A.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a calendar of the character designated, a series of concentric annular ring-plates made of sheet metal U shape in cross-section and interlocking with each other for the purpose and substantially in the manner set forth.

2. In a calendar of the character designated, a series of concentric ring-plates made of sheet metal, U-shaped in cross-section and formed with interlocking beads and grooves in their adjoining side walls for the purpose set forth.

3. In a calendar of the character designated,

the combination of a series of concentric interlocking ring-plates formed of sheet metal and U-shaped in cross-section, and also formed with a series of lateral perforations coinciding with the different adjustments to be effected, and a bolt passing through coinciding perforations for the purpose of preserving the adjustment of the parts, substantially as described.

4. In a calendar of the character designated, the combination of a backing or support formed with a centralizing hub, a series of annular ring-plates arranged concentrically upon and around said hub, formed of sheet metal U-shaped in cross-section and having interlocking parts, said ring-plates being alsc formed with perforations coinciding with the adjustments to be effected, a bolt adapted to pass through coinciding perforations in said ring-plates, said bolt being formed with shoulders, and spring-tumblers situated in the said hub and arranged to engage with the shoulders on the said bolt for the purpose and substantially in the manner set forth.

5. In a calendar of the character designated, the combination of a back or support formed with a centralizing hub, a series of annular ring-plates arranged concentrically upon and around said hub, formed of sheet metal U-shaped in cross-section and having interlocking parts, said ring-plates being also formed with perforations coinciding with the adjustments to be effected, a bolt adapted to pass through coinciding perforations in said ring-plates, said bolt being formed at its outer end with a loop or eye and at its inner end with shoulders, and spring-tumblers situated in the said hub and arranged to engage with the shoulders on the said bolt for the purpose and substantially in the manner described.

6. In a calendar of the character designated, the combination of the base or backing, provided with the central hub, a series of interlocking concentric annular ring-plates formed of sheet metal U-shaped in cross-section, means for holding the said ring-plates in a prescribed position with relation to each other, and a cap or plate upon the hub overlapping the first ring in the series and formed with an opening or recess through which a portion of said ring may be observed, for the purpose set forth.

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