W. F. ERTHER.

Calendar.

No. 211,391. Patented Jan. 14, 1879.

Fig. 1.

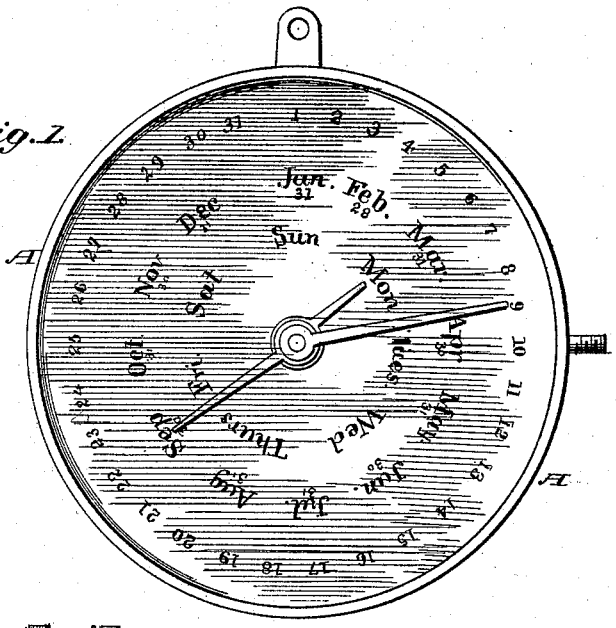


Fig. 2.

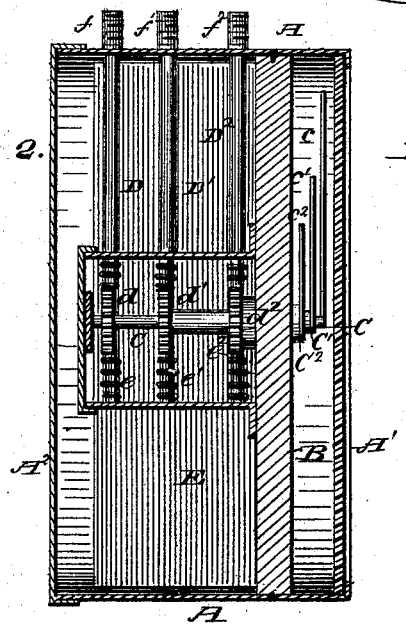
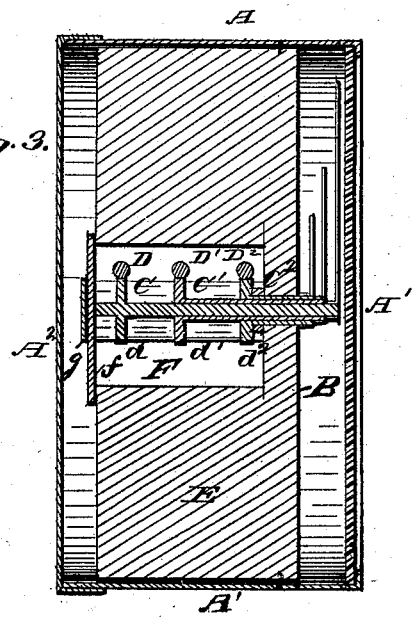


Fig. 3.



Witnesses:

Fred G. Dieterich

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UNITED STATES PATENT OFFICE.

WILLIAM F. ERTHER, OF SCOTT, OHIO.

IMPROVEMENT IN CALENDARS.

Specification forming part of Letters Patent No. **211,391**, dated January 14, 1879; application filed October 28, 1878.

To all whom it may concern:

Be it known that I, W. F. ERTHER, of Scott, in the county of Adams and State of Ohio, have invented certain new and useful Improvements in Calendars; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a front view of my improved calendar. Fig. 2 is a vertical section thereof, and Fig. 3 is a transverse section of the same.

The same part in the several figures is denoted by the same letter.

This invention relates to that class of calendars which consist of a disk provided with concentric rings or lines inscribed with numerals or signs expressive of the days, dates, and months of the year, and having hands or pointers, which may be set at any given day, date, or month by a suitably-arranged mechanism within the disk-supporting case; and it consists in the construction of the block or plate which supports the operating parts, and upon the face of which the disk is secured, substantially as hereinafter more fully set forth.

In the drawing, A is a cylindrical case, which may be adapted to be hung up or carried in the pocket, as desired.

The front part of cylinder A is covered with a circular glass pane or plate, A^1, and the other end is covered with a close-fitting cap or cover, A^2. Into the cylinder A, between the glass A^1 and cover A^2, is inserted a cylindrical block, E, made, preferably, of hard and well-seasoned wood, which has a vertical diagonal slot or recess, F, as seen more clearly in the transverse section, Fig. 3, provided with a cross-piece, *f*, and projecting bracket *g*, for supporting the operating mechanism, to be hereinafter described. Upon the circular front face of the block E is pasted or otherwise affixed a disk, B, upon which are printed or placed in concentric circles words or abbreviations and numerals expressive of the days of the week, months, and dates of the months of the year, as clearly shown in plan or front view.

C C^1 C^2 are three shafts, suitably hung in position within diagonal recess F in block E, and having the pointers *c* c^1 c^2 arranged to point, respectively, to the days, months, and dates of the months of the year, indicated as above described. These shafts are arranged concentrically with each other, and provided at their inner ends with pinions *d* d^1 d^2, which are so arranged as to mesh with worms or screws *e* e^1 e^2 on the shafts D D^1 D^2, suitably journaled within the case A at right angles to the pointer-shafts C C^1 C^2, and projecting through the case, as at *f* f^1 f^2, where they may be screw-threaded or otherwise adapted to be manipulated by a key or by hand, for properly adjusting the pointers upon the face of the calendar.

By this construction I produce a cheap, strong, and durable calendar, which is not liable to become broken or get out of order by rough usage, as when carried in the pocket, used on board of ships or railway-trains, &c.

The block E, it will be observed, serves not only as a receptacle for the operating mechanism and as a support for the disk B, but also as a brace for the exterior case, A, into which it is inserted, and to the shape of which it conforms.

I am aware that registering devices have been made employing a mechanism for operating the hands or pointers similar to mine; but this I do not claim.

What I claim, and desire to secure by Letters Patent of the United States, is—

The improved calendar herein shown and described, composed of the cylindrical case A, having glass pane A^1 and cover A^2, inserted cylindrical block E, having diagonal recess F, and provided on its face with the marked disk B, and operating mechanism C C^1 C^2 D D^1 D^2, the whole constructed and combined substantially in the manner and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

WILLIAM F. ERTHER.

Witnesses:
T. C. DOWNEY,
SAML. DOYLE.