(No Model.)

W. B. FOWLE.

CALENDAR.

No. 389,212. Patented Sept. 11, 1888.

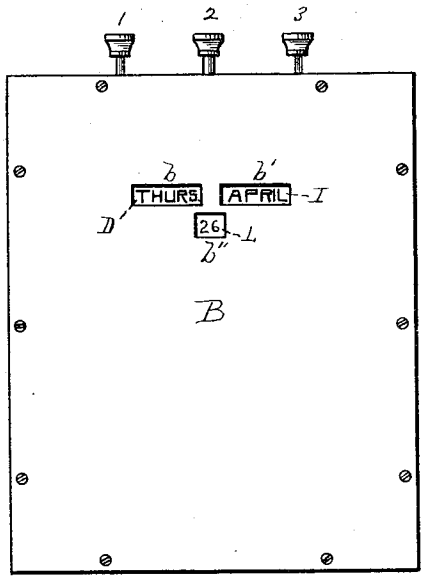

Fig. 1.

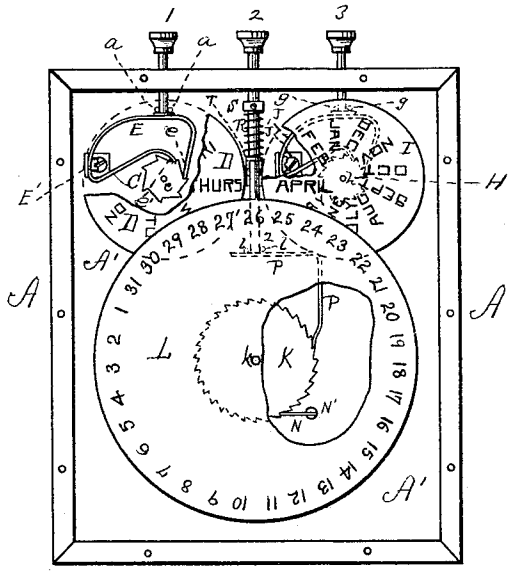

Fig. 2.

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UNITED STATES PATENT OFFICE.

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CALENDAR.

SPECIFICATION forming part of Letters Patent No. 389,212, dated September 11, 1888.

Application filed May 1, 1888. Serial No. 272,405. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. FOWLE, of Newton, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Calendars, of which the following is a specification.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is an elevation or front view of a calendar embodying my invention. Fig. 2 is an elevation with the cover or plate removed, certain portions of the disks being represented as broken out in order to show the operation of the actuating mechanism.

A represents a shallow box, preferably of wood, and B a front plate or cover, preferably of metal, and screwed or otherwise secured to said box. This plate is provided in its upper portion with three slots or rectangular openings, *b*, *b'*, and *b''*, through which, respectively, the days of the week, the months, and the days of the month are intended to be exhibited. The lower part of this plate is preferably left plain, and may be utilized for advertising purposes.

C is a ratchet, pivotally secured at *c* to the back or bottom A' of the box A.

D is a disk, upon the face of which are printed in radial lines the days of the week, said disk being rigidly secured to the arbor *c*.

E is a bent spring of substantially the shape shown, rigidly secured at E' to the box, and with its ends *e* and *e'* so bent as to form, respectively, actuating and detaining pawls for engagement with the teeth of the ratchet C.

1 is a push-rod extending through the upper edge of the box and resting by gravity upon the spring E, said push-rod playing between the two guide-pins *a*.

In operation the push-rod 1, upon being pressed down until its head strikes the box, rotates the ratchet-wheel to the extent of one notch by means of the pawl *e*, and hence the disk to the extent of one-seventh of a rotation, thus changing the day of the week exposed in the slot *b*.

H is a ratchet, pivotally secured at *h* to the back or bottom of the box A.

I is a disk, upon the face of which are printed in radial lines the names of the months, said disk being rigidly secured to the arbor *h*.

J is a spring of the same shape as the spring E, rigidly secured at J' to the box, and with its ends bent in the same manner as the ends of the spring E, so as to form actuating and detaining pawls for engaging the teeth of the ratchet H.

The spring J, ratchet H, and disk I are operated by the push-rod 3 in exactly the same manner that the spring E, ratchet C, and disk D are operated by the push-rod 1. Guiding-pins *g* are placed on opposite sides of the push-rod 3.

K is a ratchet, pivotally secured at *k* to the back or bottom of the box.

L is a disk, upon the face of which, near its circumference, are placed the days of the month, said disk being rigidly secured to the arbor *k*.

N is a detaining-pawl, rigidly secured at N' to the back of the box, and P is an engaging-pawl, bent as shown, and rigidly secured to the under side of the push-rod 2, playing between the guide-pins *l*. A spring, R, surrounds the push-rod, and lies between the nut S thereupon and the bracket T, secured to the back of the box, and perforated to receive the push-rod. Depressing the push-rod causes the pawl P to rotate the ratchet K to the extent of one notch, and hence the disk L to the extent of one thirty-first of a rotation, thus changing the day of the month exposed in the slot *b''*.

This calendar is very convenient for desk or office use, and is capable upon its metallic front of a high degree of ornamentation. It may readily be adapted by well-known means to stand upon a table or hang upon a wall.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

The hereinbefore-described calendar, consisting, essentially, of the box or case A B, provided with the openings *b*, *b'*, and *b''*, the ratchet C, disk D, provided with the names of the days of the week, spring E, formed into actuating and detaining pawls *e e'*, and push-rod 1, the ratchet H, spring J, disk I, provided with the names of the months, and push-rod 3, and the ratchet K, disk L, provided with the numbers of the days of the month, pawls N P, push-rod 2, and spring R, substantially as and for the purpose described.

WILLIAM B. FOWLE.

Witnesses:
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