

C. Z. O'NEILL.
CALENDAR.

No. 171,308.

Patented Dec. 21, 1875.

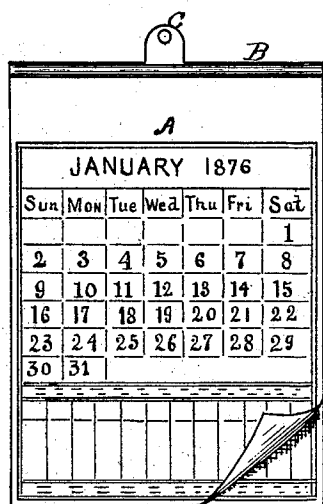


Fig. 1.

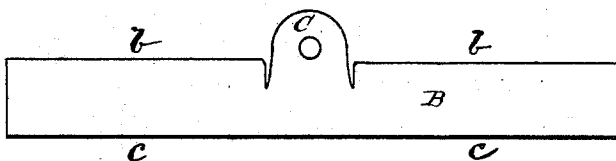


Fig. 3

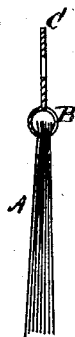


Fig. 2.

WITNESSES

C. M. Little
E. A. Stock

INVENTOR

C. Z. O'Neill
by *J. H. Adams*,
Att.

UNITED STATES PATENT OFFICE.

CHARLES Z. O'NEILL, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN CALENDARS.

Specification forming part of Letters Patent No. **171,308**, dated December 21, 1875; application filed November 2, 1875.

To all whom it may concern:

Be it known that I, CHARLES Z. O'NEILL, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Calendars, of which the following is a specification:

The object of my invention is to provide a simple, cheap, and effective device for holding together the sheets of a calendar; and the invention consists of a thin metal plate bent in a circular form, with an opening left for the insertion of the sheets of a calendar, and provided with a suspending device forming a part of the metal holder.

Referring to the drawings, Figure 1 represents a calendar provided with my device for holding the sheets together, and the suspending device. Fig. 2 is a vertical transverse section of the same on a reduced scale. Fig. 3 shows the metal plate from which the holder and suspending device are formed.

B C in Fig. 3 represent a flat metal plate of brass or other suitable material, struck out in one piece from a sheet of metal. The portion B is then bent in a circular form, with the edges *b c* brought nearly together, leaving the portion C extending above the center, as shown in Fig. 2. A hole is punched in the portion C, by which the device is suspended.

In attaching the sheets of the calendar to

the holder B they are simply inserted in the opening between the edges of the curved metal plate at one end, and drawn through the same, the elasticity of the metal plate allowing it to yield slightly to receive the sheets and hold them tightly when inserted.

The front sheet may be readily torn off without disturbing the remaining sheets, when necessary.

The device is more especially designed for a calendar, but it is equally applicable to holding sheets of paper of any description.

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

A paper clamp or suspender made of one piece of metal, having the longitudinal edges of the plate curved toward each other to receive and retain the sheets of paper by the elasticity of the metal, and having the plate partially severed by two slits to form the apertured tongue C, whereby a means of suspension is provided.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHS. Z. O'NEILL.

Witnesses:

J. H. ADAMS,
U. V. TUTT.