(No Model.)

L. R. GOODWIN.

PAPER RETAINING DEVICE.

No. 459,154. Patented Sept. 8, 1891.

Fig. 1.

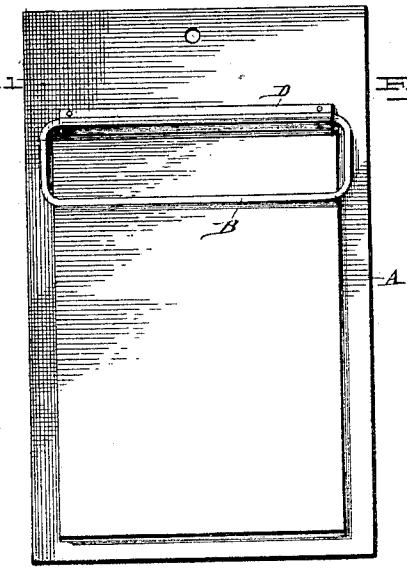


Fig. 2.

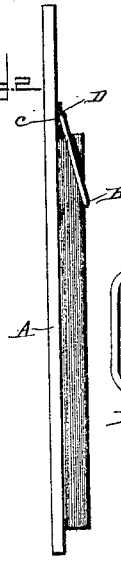
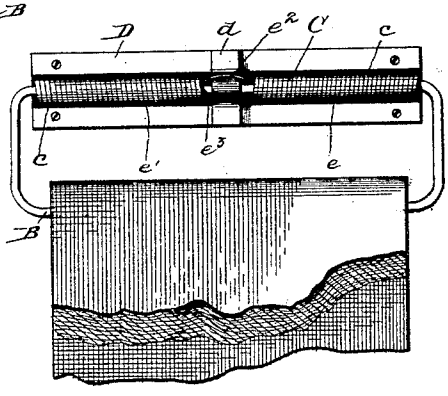


Fig. 3.



Witnesses
D. C. Reinohl
Wm. E. Dyre.

Inventor
Landon R. Goodwin,
By his Attorneys
Whitaker & Prevost.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

LANDON R. GOODWIN, OF ARLINGTON, NEW JERSEY.

PAPER-RETAINING DEVICE.

SPECIFICATION forming part of Letters Patent No. 459,154, dated September 8, 1891.

Application filed September 20, 1890. Serial No. 365,578. (No model.)

To all whom it may concern:

Be it known that I, LANDON R. GOODWIN, a citizen of the United States, residing at Arlington, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Paper-Retaining Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to retaining devices for sheets of paper or like articles; and it consists in certain novel and improved features of construction, fully disclosed in the accompanying drawings and in the following specification and claims.

The object of my invention is to produce a device which may be used as a writing-tablet or scratch-book or for toilet purposes.

In the drawings, Figure 1 represents a plan view of my invention. Fig. 2 is a side view showing my device in operation. Fig. 3 is a view of the under side of the paper-retaining device.

Similar letters of reference indicate identical parts throughout.

A represents a back pad of ordinary construction used in connection with my improved retaining device. The retaining device consists of a retaining-piece B, preferably of the bail shape shown in Figs. 1, 2, and 3, a portion of its length being passed through a coiled spring C. This spring C, I prefer to make as shown in Fig. 3, and consists of a continuous piece of wire coiled in opposite directions, forming the two parts e e', connected by the loop e^2, which is of sufficient length to admit of a space e^3 intervening between the two parts. The spring is provided with a casing D, which consists, preferably, of a piece of sheet metal having a recess c extending throughout its length to receive the spring C. A keeper d is provided near the center of the casing for the purpose of holding the retaining-piece and spring in position. The bail or analogous part B is inserted through the spring C, the outer ends of which are rigidly secured thereto, while the central portions of the spring are left in loose engagement with the said piece. The spring is then placed in the recess c of the casing D and the keeper d passed under the loop e^2 and over the part B, thus holding the casing, spring, and part B together. By this arrangement and combination of parts it will be seen that the outer ends of the spring being rigidly secured to the part B and the central portion being in loose engagement therewith, but held from rotary movement by the loop e^2 engaging the keeper d, the tension of the spring may be increased or diminished at will by rotating the casing D and at the same holding the part B from movement.

When the desired tension is acquired, the casing is secured to the back A in any ordinary manner, the part B taking the position shown in the drawings, when it is evident that any light articles, such as sheets of paper, &c., may be placed under the retaining-piece B and held from displacement by the tension of the spring C acting on said piece B.

One of the advantages of the construction shown in Figs. 1, 2, and 3 is that the paper may be cut of double length and slipped through the bail B, as shown in Fig. 2, thus making it possible to keep a double quantity ready for use, as the folded leaf may be torn off and the other portion slipped from under the retaining-piece B.

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

1. The combination, with a spring formed of separate coils from a continuous wire, of a part passing through said coils, the outer ends of said coils being secured to said part and the inner ends being in loose engagement therewith, and means for holding the said inner ends from rotating with said part, substantially as described.

2. The combination, with a retaining-piece, of a spring formed in separate coils surrounding a portion of said retaining-piece, the outer ends of which are attached thereto,

and a casing provided with a keeper adapted to hold the central portions of said spring from movement, substantially as described.

3. The combination, with a spring formed of separate coils from a continuous wire, of a part passing through said coils, the outer ends of said coils being secured to said part and the inner ends being in loose engagement therewith, and a keeper engaging said wire intermediate said coils, and adapted to prevent the latter from rotating with said part, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

LANDON R. GOODWIN.

Witnesses:
GEO. W. DAVIS,
C. H. MCDUFFEE.