

(No Model.)

W. H. RODDEN.  
COPYING BOOK.

No. 549,660.

Patented Nov. 12, 1895.

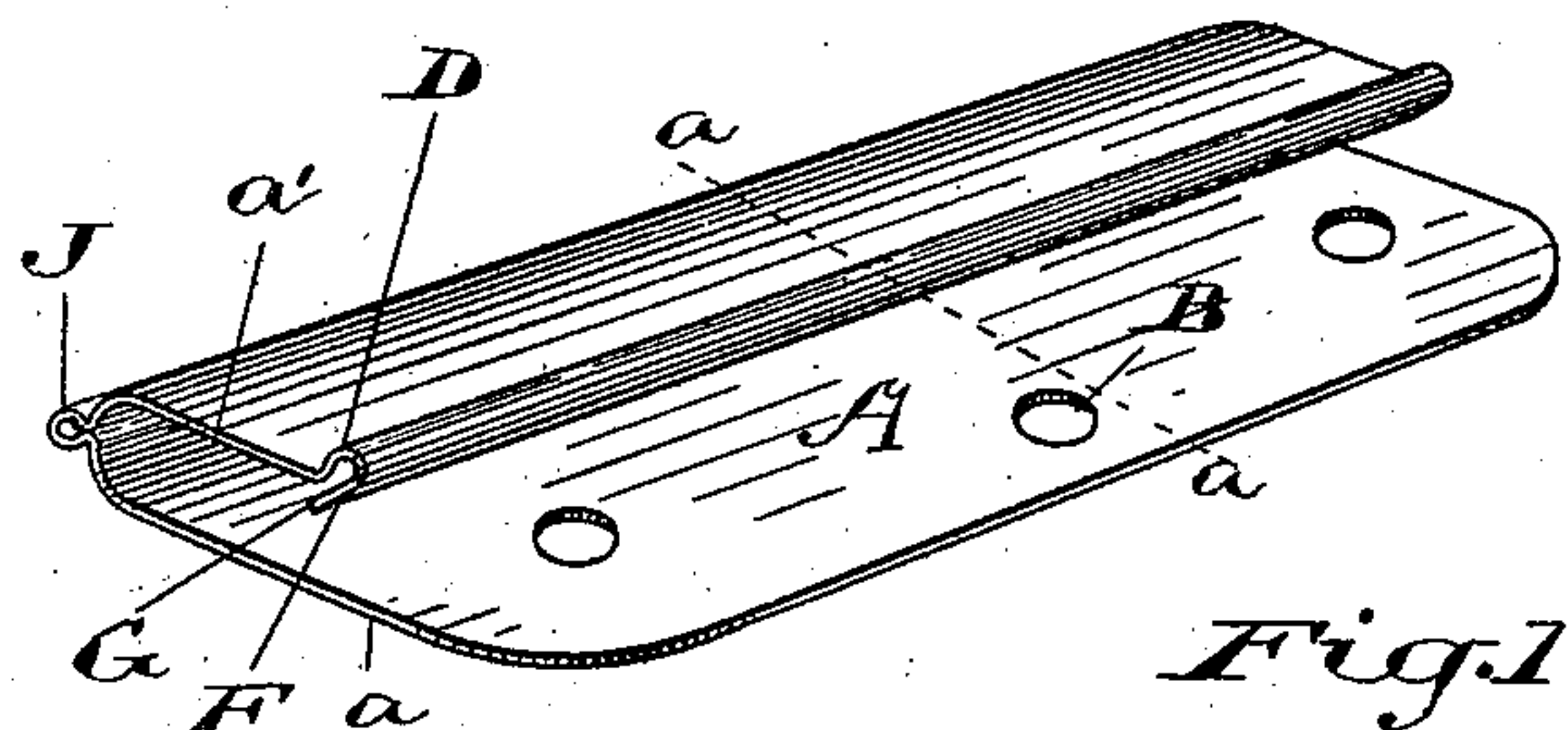


Fig. 1

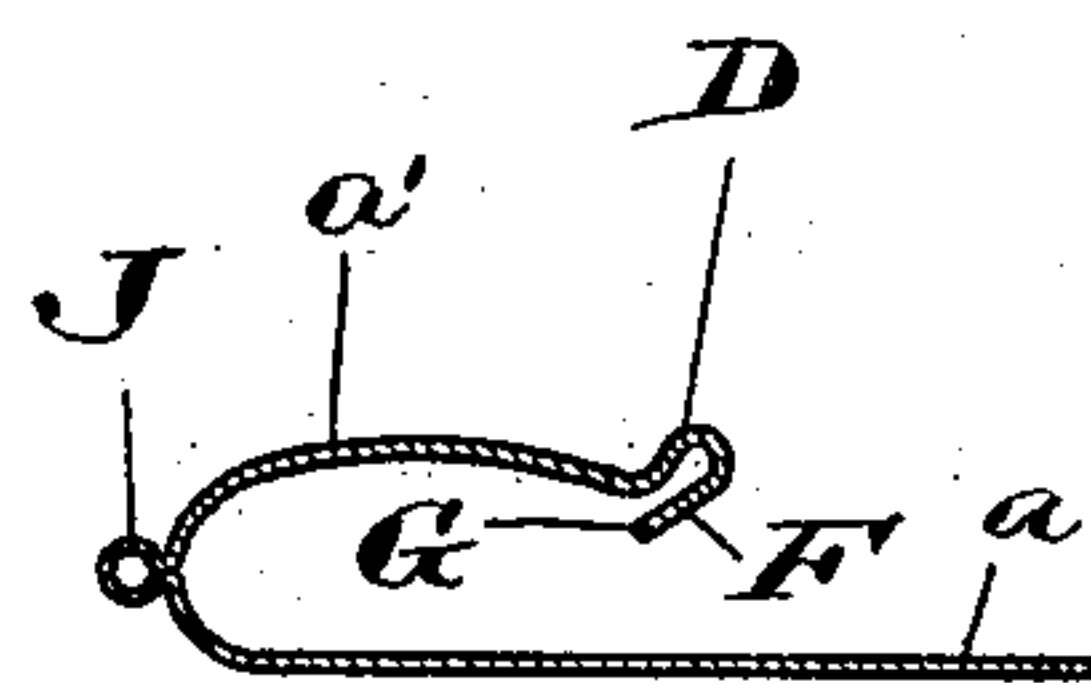


Fig. 2



Fig. 3

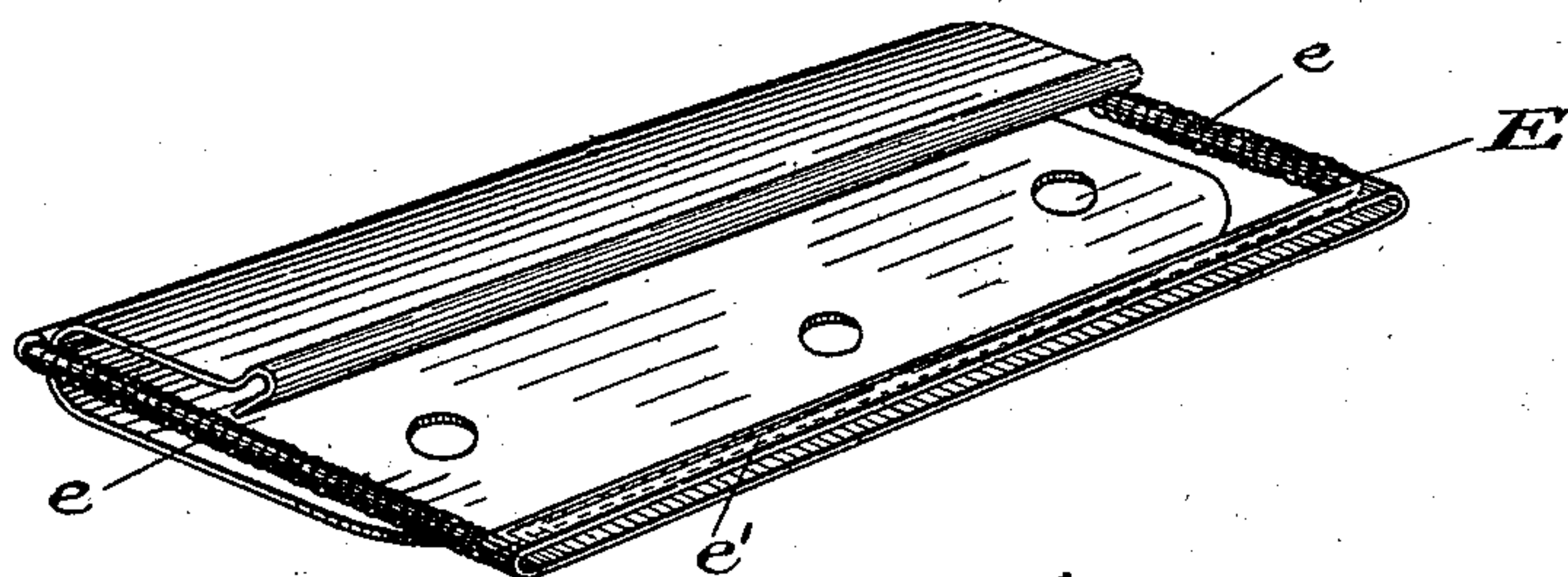


Fig. 6



Fig. 4

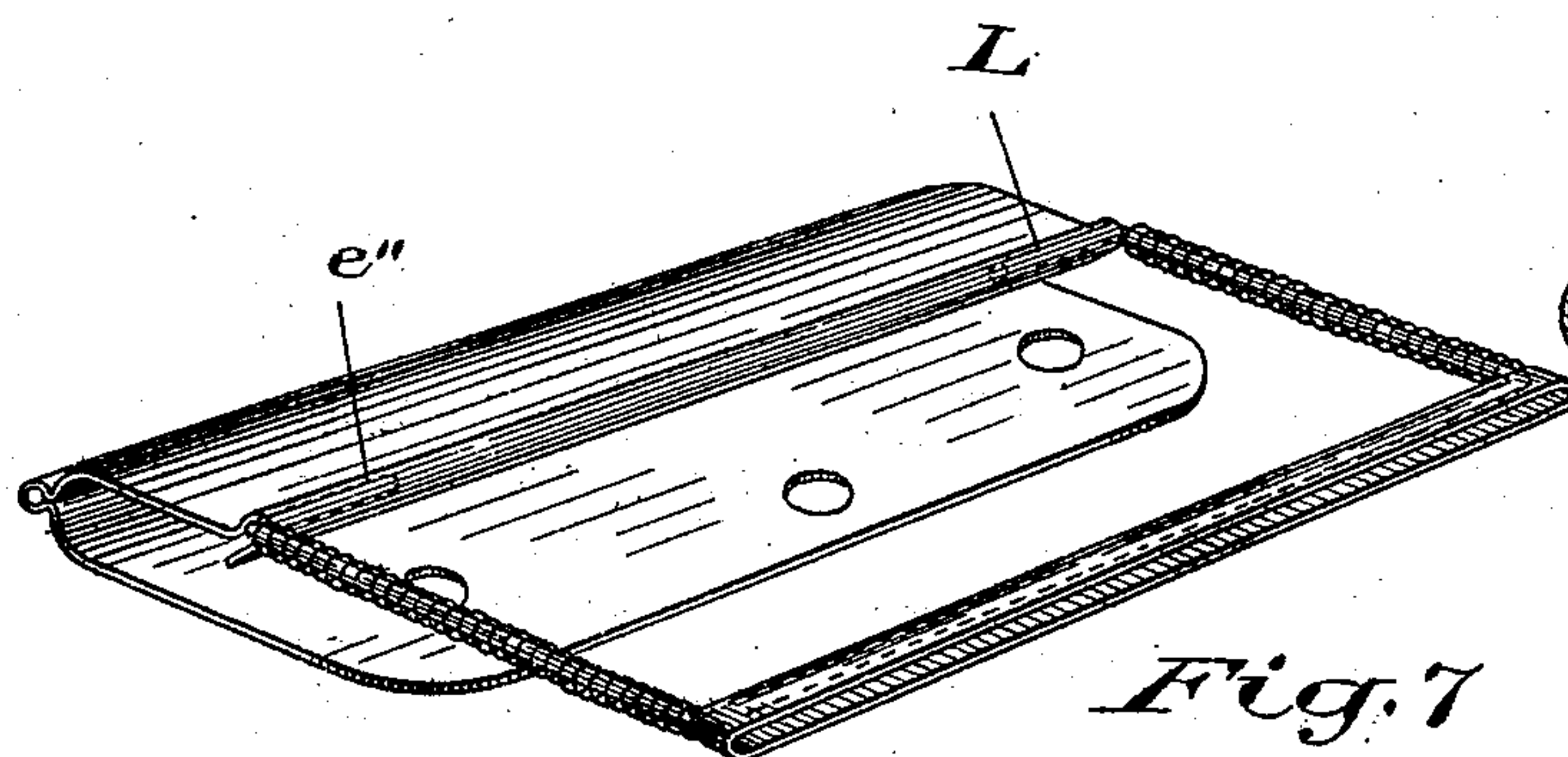


Fig. 7

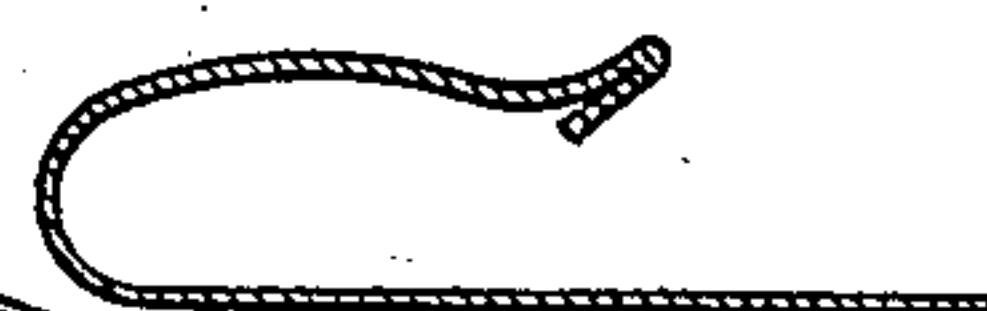


Fig. 5

Witnesses

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# UNITED STATES PATENT OFFICE.

WILLIAM H. RODDEN, OF TORONTO, CANADA.

## COPYING-BOOK.

SPECIFICATION forming part of Letters Patent No. 549,660, dated November 12, 1895.

Application filed November 6, 1894. Serial No. 528,078. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. RODDEN, of the city of Toronto, in the county of York and Province of Ontario, Canada, have invented certain new and useful Improvements in Copying-Books; and I hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to certain new and useful improvements in copying-books commonly known to the trade as "counter check-books" or "sales-slip books," and relates more particularly to a device for protecting and removably holding a pack of leaves preferably bound together by what is technically known as "wire stab-stitching" and for connecting the bound pack of leaves to an outer cover when such is used; and the invention relates also to a means for detachably connecting the transfer-leaf to the book; and the object of the invention is to devise a simple and effective means for detachably holding the book and to provide a means for connecting the transfer-leaf to the book, which will allow of the transfer-leaf being placed between any desired leaves of the book while such leaf is connected to the bound end of the book, and which will obviate the faulty practice of binding the transfer-leaf in with the other leaves of the book when its copying powers become impaired by being dried from remaining for a length of time in such position.

The above-named objects, and such others as may occur from the ensuing description, are accomplished by the improvements illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the clip with both the front and the rear sleeve, but without the swinging link or its clamp. Fig. 2 is a transverse sectional view on the line *a a*, Fig. 1. Fig. 3 is a transverse sectional view of a modification, omitting the sleeve at the front. Fig. 4 is a transverse sectional view of a modification, omitting the sleeve at the back of the clip. Fig. 5 is a view of a modification, omitting the sleeves. Fig. 6 is a view similar to Fig. 1, but showing the complete clip, including the swinging link or frame, connected to the back of the sleeve, also the clamp placed thereon. Fig. 7 is a similar

view of the swinging link or frame held by the front sleeve.

Like letters of reference refer to like parts throughout the specification and drawings. 55

The clip A is substantially U-shaped in cross-section, having one limb *a* longer than the other limb *a'*. The limb *a* is provided with eyes B, by means of which it is riveted or otherwise fastened to the cover. A margin of the short limb *a'* is bent to form a sleeve D at the front or mouth of the clip, which is adapted to receive one of the sides of the swinging link or frame E. The margin of the short limb *a'*, after forming the sleeve D, is bent inwardly and slightly downwardly to form an inwardly-slanting face F and to provide a locking edge G to lock against the binding stitches of the pack of leaves and prevent the longitudinal removal of the same. 60 65 70

Formed on the clip A and located at the rear of the same is a sleeve J, which serves as a pivotal bearing for the swinging link or frame. This bearing being situated at the rear of the clip brings the transfer-leaf closer to the top of the page of the book, which is an advantage in some uses of the book, and also, in addition to serving as a pivotal bearing for the swinging link or frame, it adds to the resiliency of the clip during the entry of the bound pack of leaves into the cavity when such bearing is formed integrally with the clip. 75 80

It might here be stated that the clip A is formed by means of dies and that the sleeve D at the front of the mouth of the clip is formed by bending the margin of the short limb *a'* upward and then curling it downward on a pintle, forming a substantially closed sleeve to hold one of the sides of the swinging link or frame E, providing an inwardly and downwardly slanting face F to provide for the ready admission of the book into the cavity and arranging the edge G to catch against the stitches, as described. The sleeve J at the rear of the clip A is also formed on the clip, and preferably integrally with it, by curling the metal on a pintle at that part. The longer limb of the U-shaped clip is then formed by extending the metal far enough to receive rivets, spurs, or other fastenings to hold it to the cover of the book. 85 90 95 100



The book is inserted in the clip by its bound end being pressed parallel against the inwardly and downwardly slanting face F of the clip A until the end of the bound pack of leaves has entered the cavity in the clip and the binding-stitches have sprung past to the rear of the locking edge G of the short limb  $a'$ . The sleeve J assists the clip A to yield or expand to the pressure of the bound pack of leaves during the entry of the same through the mouth into the cavity of the clip and helps to cause the sharp return of the locking edge of the clip against the bound end of the pack of leaves and immediately in front of the binding-stitches when they have cleared the locking edge in entering, and thereby are brought to bear against the front of the binding-stitches and prevent the longitudinal withdrawal of the book.

The book is removed by sliding it laterally through the clip until it has cleared either end of the same. The transfer-leaf is carried by the swinging link E. This swinging link consists of a substantially - quadrangular frame comprised of two opposite sides  $e$  and two other sides  $e' e''$ , respectively, connecting together the two opposite sides at right angles thereto. The side  $e''$  is open or partly cut away in order that it may enter either of the sleeves D or J, as required. The transfer-leaf is attached to the side  $e'$  of the swinging link or frame. By inserting the parts L of the opened side  $e''$  into the ends of the sleeve J the side  $e'$  of the swinging link or frame is brought close to the mouth of the clip A, in order that where the heading of the sales-slip is of no great depth the transfer-leaf will be in proper position to record the first entries on the top of the blank portion of the sales-slip. By inserting the ends L of the opened side  $e''$  into the ends of the sleeve D the side  $e'$  of the swinging link or frame E is removed farther from the mouth of the clip A, in order that where the sales-slip has a heading of considerable depth the transfer-leaf can be moved clear of the heading and into position to transfer to the duplicate the writing on the original. In other words, by the use of the two sleeves D J it is possible to move the transfer-leaf into the required position between the original and its duplicate. The space or opening in the swinging link or frame formed between the side carrying the transfer-leaf and the side on which it swings enables the copies which it is desired to retain being passed through the said space and placed behind the transfer-leaf out of the way of copying, in order that the transfer-leaf may always be kept at the front for its work and the retained copies conveniently placed away from the transfer-leaf against the cover of the book and undetached therefrom. By the use of the swinging link or frame the manipulator of the book avoids most easily and entirely any touching or handling of the transfer-leaf, and thus avoids soiling his fingers with the coloring-matter of the transfer-sheet.

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

1. In combination with the cover of a copying book, the leaves of which are bound together by wire stitches or staples, a resilient holder to attach the pack of leaves to the cover substantially U-shaped in cross-section and having the lower side or limb thereof extended flat to admit of its being fastened to the book cover and having the upper side or shorter limb bent at an obtuse angle outward to form a margin along its entire length, and then a part of this margin bent inward along its length at an acute angle to such margin to stiffen the lip formed thereby, to make a flaring mouth and to form a downwardly and inwardly slanting face for the bound end or side of the pack of leaves to impinge upon when being pressed into the mouth of the holder, such pressure on the slanting face causing the jaw to yield and the mouth to open by the resiliency of the holder until the book has been pushed far enough to bring its binding stitches past and inside of the edge of the slanting face which edge then being relieved of the thrust immediately snaps against the stitches and thereby secures the book from withdrawal crosswise of the mouth but permits of its removal lengthwise thereof, substantially as shown and described.

2. In a copying book, a resilient holder or clip substantially U-shaped in cross-section having one limb only first bent outward for a sufficient margin of its extent, then curled or folded inward as on a pintle so as to form a hollow sleeve or socket for use when required, also to form a flaring mouth to the clip, and an inward and downward slanting portion forming an inclined surface on one limb only for the bound end of the pack of leaves to slide against on being pressed into the mouth of the holder, and so arranged as to present its inner free edge to lock against the binding stitches of the book when pressed into place in the holder, to prevent the removal of the book except edgewise, substantially as shown and described.

3. In a copying book, the combination of a resilient holder substantially U-shaped in cross-section and adapted to receive and hold the leaves of a book, a swinging link consisting of an open quadrilateral frame one side of which is revolvably connected to the rear portion of said resilient holder and in the rear of the leaves of the book, and the opposite side of said frame adapted to carry the transfer sheet, substantially as and for the purpose described.

4. In a copying book, the combination of a resilient holder serving to hold the head of a book and prevent the withdrawal of the same from the resilient holder, a swinging link consisting of a substantially rectangular shaped piece of metal having one of its sides partially cut away to form two points which are adapted to enter recesses in said resilient holder and



detachably secure the swinging link to the same, a clamp sliding upon its sides and adapted to bear against the front of said link, springs coiled on each of the sides of the said link and adapted to press the clamp against the front of the link to detachably secure a transfer sheet to the link, substantially as specified.

5. In a copying book, a resilient holder substantially U-shaped in cross-section, having one limb folded inward on itself forming a sleeve along its length by such fold, having an inward sliding face for a book to slide against on being passed into the holder, and so arranged as to present its inwardly projecting edge to lock against the binding stitches of a book when pressed into place in the holder, to prevent the withdrawal of the book except edgewise, and a swinging link revolubly connected thereto consisting of a quadrilateral frame, a U-shaped sliding clamp working on two opposite sides of the frame, and arranged to bear against the front sides of the frame, springs coiled around the opposite sides of the quadrilateral frame and serving to press the clamp against the front side of the frame, substantially as shown and described.

6. In a copying book a resilient holder or clip substantially U-shaped in cross section having one limb bent inward at an acute angle to itself for a sufficient margin of its extent so as to form a flaring mouth and an inwardly and downwardly slanting face for the bound end of the pack of leaves to slide against on being pressed into the mouth of the holder, and so arranged as to present its inwardly projecting edge to lock against the binding stitches of the book when pressed into place in the holder to prevent the removal of the book except edgewise, and a sleeve or socket formed on the holder at or about the middle of its back for use when required, substantially as specified.

7. In a copying book a resilient holder or clip substantially U-shaped in cross section having one limb for a sufficient margin of its extent curled or folded inward as on a pintle so as to form a hollow stiffening rib along its mouth, which rib constitutes also a sleeve or socket for use when required, and to form an inwardly and downwardly slanting face for the bound end of the pack of leaves to slide against on being pressed into the mouth of the holder, and so arranged as to present its inwardly projecting edge to lock against the binding stitches of the book when pressed into place in the holder to prevent the removal of the book except edgewise, and a sleeve or socket formed on the holder at or about the middle of the back of said holder for use when required, substantially as specified.

8. In a copying book a resilient holder or clip substantially U-shaped in cross section having one limb first bent outward for a sufficient margin of its extent, then curled or folded inward as on a pintle so as to form a hollow stiffening rib along its mouth, which rib

constitutes also a sleeve or socket to carry a swinging link, also to form a flaring mouth to the clip and an inwardly and downwardly slanting face for the bound end of the pack of leaves to slide against on being pressed into the mouth of the holder, and so arranged as to present its inwardly projecting edge to lock against the binding stitches of the book when pressed into place in the holder to prevent the removal of the book except edgewise, and a swinging link consisting of a substantially quadrangular link or frame to one side of which is intended to be attached the transfer leaf, the opposite side being opened and arranged to enter the aforementioned sleeve or socket to revolubly connect it to the holder, substantially as specified.

9. In a copying book a resilient holder or clip substantially U-shaped in cross section having one limb bent inward at an acute angle to itself for a sufficient margin of its extent so as to form a flaring mouth and an inwardly and downwardly slanting face for the bound end of the pack of leaves to slide against on being pressed into the mouth of the holder, and so arranged as to present its inwardly projecting edge to lock against the binding stitches of the book when pressed into place in the holder to prevent the removal of the book except edgewise, a sleeve or socket formed on the holder at or about the middle of the back, and a swinging link consisting of a substantially quadrangular link or frame to one side of which is intended to be attached the transfer leaf, the opposite side being opened and arranged to enter the above mentioned sleeve or socket to revolubly connect such link to the holder, substantially as specified.

10. In a copying book a resilient holder or clip substantially U-shaped in cross section having one limb bent inward at an acute angle to itself for a sufficient margin of its extent so as to form a flaring mouth and an inwardly and downwardly slanting face for the bound end of the pack of leaves to slide against on being pressed into the mouth of the holder, and so arranged as to present its inwardly projecting edge to lock against the binding stitches of the book when pressed into place in the holder to prevent the removal of the book except edgewise, a sleeve or socket formed integrally with the back of the said holder at or about its middle to increase the resiliency thereof, and a swinging link consisting of a substantially quadrangular link or frame to one side of which is intended to be attached the transfer leaf, the opposite side being opened and arranged to enter the above mentioned sleeve or socket to revolubly connect such link to the holder, substantially as specified.

11. In a copying book a resilient holder or clip substantially U-shaped in cross section having one limb for a sufficient margin of its extent curled or folded inward as on a pintle so as to form a hollow stiffening rib along its



mouth which rib constitutes also a sleeve or  
socket, and to form an inwardly and down-  
wardly slanting face for the bound end of the  
pack of leaves to slide against on being pressed  
5 into the mouth of the holder, and so arranged  
as to present its inwardly projecting edge to  
lock against the binding stitches of the book  
when pressed into place in the holder to pre-  
vent the removal of the book except edgewise,  
10 a sleeve or socket formed integrally with the  
back of the said holder at or about its middle  
to increase the resiliency thereof, and a swing-

ing link consisting of a substantially quad-  
rangular link or frame to one side of which is  
intended to be attached the transfer leaf, the 15  
opposite side being opened and arranged to  
enter the above-mentioned sleeve or socket to  
revolubly connect such link to the holder,  
substantially as specified.

Toronto, October 31, 1894.

W. H. RODDEN.

In presence of—

C. H. RICHES,

M. A. WESTWOOD.