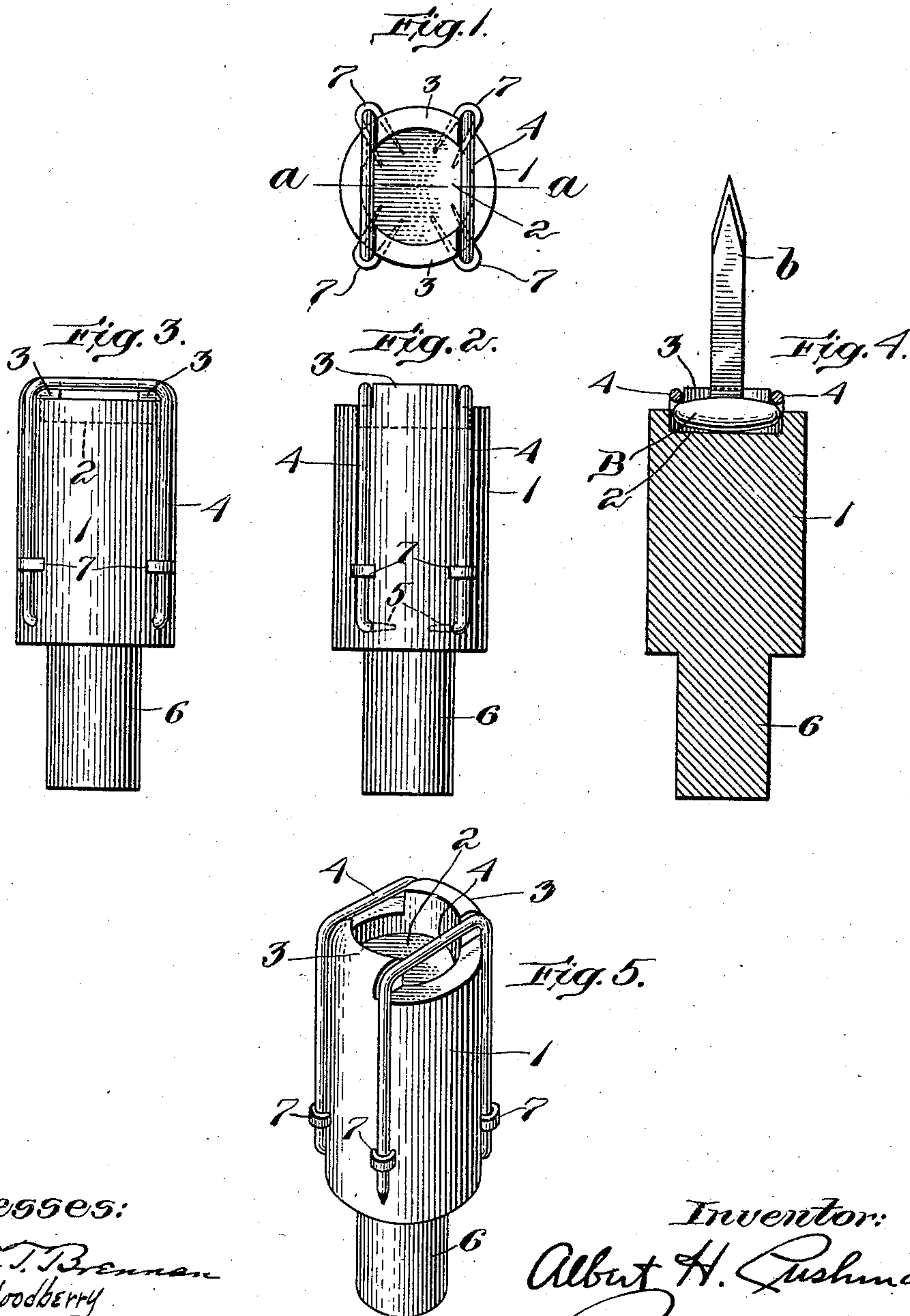


No. 842,177.

PATENTED JAN. 29, 1907.

A. H. CUSHMAN.
BUTTON HOLDER.
APPLICATION FILED AUG. 9, 1906.



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UNITED STATES PATENT OFFICE.

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BUTTON-HOLDER.

No. 842,177.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed August 9, 1906. Serial No. 329,874.

To all whom it may concern:

Be it known that I, ALBERT H. CUSHMAN, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Button-Holders, of which the following is a specification.

My invention relates to button-holders for tufting-machines of the kind in which a large number of holders are mounted on a single board or plate to be operated together. In machines of this character the holders must be capable of holding the tufting-buttons with sufficient rigidity to prevent them from becoming dislodged while the cushion or like article to be tufted is being made, but at the same time must admit of the rapid and easy insertion of the button into the holder and withdrawal of it from the holder.

The object of my invention is to provide such a button-holder which shall be more simple and cheap in construction and more effective and easy of operation than those heretofore used.

In the accompanying drawings, which illustrate one embodiment of my invention, Figure 1 is a plan view of a button-holder containing my invention. Fig. 2 is a side elevation of said button-holder. Fig. 3 is another side elevation of said holder viewed at right angles with the point of view of Fig. 2. Fig. 4 is a central longitudinal section of said button-holder on the line *a a* of Fig. 1, showing a tufting-button in place therein; and Fig. 5 is a perspective view of said button-holder.

Referring to said drawings, the button-support 1 is preferably cylindrical in form and may be made of wood or other suitable material. The support 1 is designed to be secured to a board in a tufting-machine, which may be accomplished in any desired manner, as by providing a tenon 6 to fit into a hole in the board. At the end of the button-support 1 a recess or pocket 2 is provided to receive the head of the button to be held. The recess 2 is preferably proportioned and shaped to correspond with the shape of the button-head which it is intended to hold. At either side of the recess 2 an ear or projection 3 is provided for the purposes hereinafter set forth.

To retain the button-head in the recess, I provide a pair of clips, which are normally so arranged as to overlie the edges of the button-head, but which yield to admit of the insertion or withdrawal of the button-head into and from the recess. In the accompanying drawings I have shown what I believe to be the best form of yielding clips, consisting of the U-shaped resilient wire clips 4 4. The ends of the clips are rigidly secured to said support 1 by means of the upturned ends 5, driven into the support 1 and firmly anchoring them against any pulling strain, and by the straps or U-brads 7, which prevent any pivotal movement of the clips. The loops of the U-shaped wire clips 4 4 normally overlie the edges of the recess 2 and bear against the projections 3 3, which act as stops to limit the inward movement of the clips.

The operation of my device is as follows: The head B of a tufting button or nail (see Fig. 4) is placed against the loops of spring-clips 4 4 and forced in the direction of the recess 2. The button-head overcoming the resilience of the clips causes them to yield and spread, permitting the button-head to pass between them into the recess in the button-support, whereupon the clips return to their normal position against the stops 3 3, overlying the edges of the button-head B and holding it in the position shown in Fig. 4. After the work of tufting is completed the holder and the tufted work are pulled apart, the pull on shank *b* of the button for withdrawing the button-head from the holder again causing the clips 4 4 to separate and release the button-head B.

I claim—

1. A button-holder comprising a button-support having a recess adapted to receive a button-head, and a pair of U-shaped resilient wire clips, the ends of each of which are upturned and anchored within the button-support, and the loops of which are normally in position to overlie the edges of the recess and to retain the button-head in the recess, and are yieldingly movable to admit of the insertion or withdrawal of the button-head into or from the recess.

2. A button-holder comprising a cylindrical button-support having a recess or pocket in the end thereof to receive a button-head, a

projection upon said support at either side of
said recess, a pair of U-shaped resilient wire
clips the ends of which are secured to said
button-support, and the loops of which nor-
5 mally overlie the edges of the recess and bear
against said projections and are adapted to
retain a button-head in the recess, and are
yieldingly movable to admit of the insertion
or withdrawal of the button-head into or
10 from the recess.

3. A button-holder comprising a button-
support having in the end thereof a recess to
receive a button-head bordered by a periph-
eral wall, a part of said wall on either side of
15 said recess being extended to form a pair of
ears, and a pair of U-shaped resilient wire
clips, the ends of which are anchored to the
support, and the loops of which normally

overlie the edges of the recess and abut
against said ears, substantially as described. 20

4. A button-holder comprising the cylin-
drical button-support 1, having in the end
thereof the recess 2 to receive a button-head,
the projections 3, 3, one on either side of the
recess, and the U-shaped resilient wire clips 25
4, 4, the ends of which are secured to the sup-
port 1, and the loops of which normally over-
lie the edges of the recess and bear against
the projections 3, 3, substantially as and for
the purposes described. 30

Signed by me at Chicago, Illinois, this 6th
day of August, 1906.

ALBERT H. CUSHMAN.

Witnesses:

A. G. FAY,

P. B. HOSMER.