

June 17, 1930.

F. S. CARR

1,765,053

FASTENER STUD

Filed July 22, 1925

*Fig. 1.*

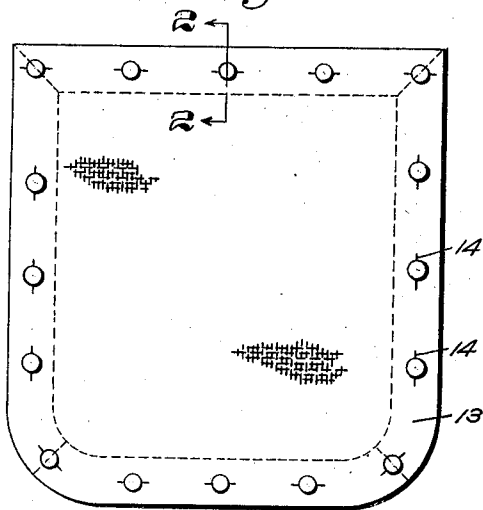


*Fig. 2.*

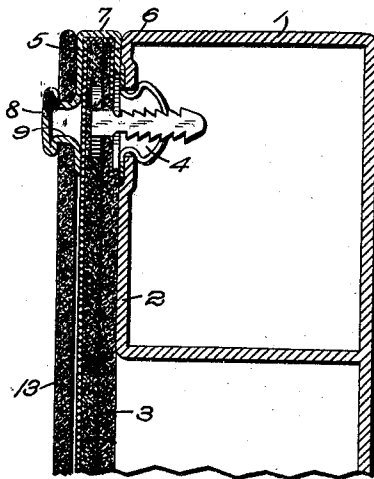


*Fig. 3.*

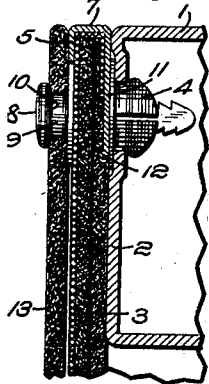


*Fig. 4.*

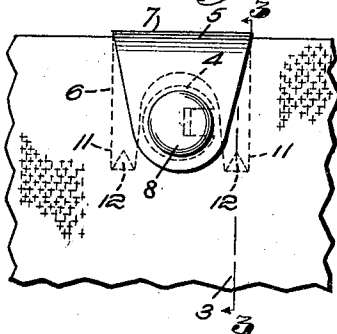


*Fig. 6.*

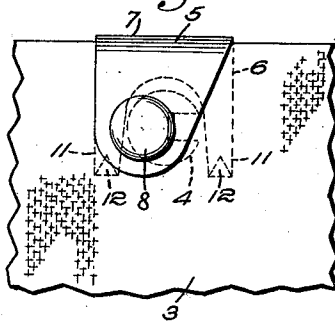


*Fig. 5.*

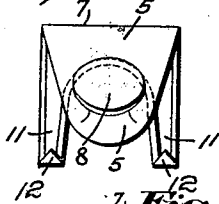


*Fig. 7.*

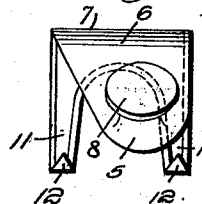


*Fig. 8.*

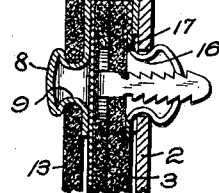


*Fig. 9.*

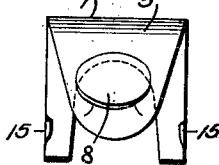


*Fig. 10.*



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## UNITED STATES PATENT OFFICE

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## FASTENER STUD

Application filed July 22, 1925. Serial No. 45,278.

This invention aims to provide an improved fastener stud.

In the drawings, which illustrate preferred embodiments of my invention:

5 Figure 1 is an inside elevation of an automobile door showing a slip cover secured thereto;

Fig. 2 is an enlarged section on the line 2—2 of Fig. 1;

10 Fig. 3 is a section on the line 3—3 of Fig. 4, being partly in elevation and showing one of the fingers and attaching prongs, of the slip cover stud, in cross-section;

15 Fig. 4 is an elevation view of a portion of the door showing one of the slip cover studs with the slip cover removed therefrom;

Fig. 5 includes front, side and rear elevations of the stud member;

20 Fig. 6 is a view similar to Fig. 4, showing a stud member having its head and neck offset toward the left hand side of the stud;

25 Fig. 7 is an elevation view of a fastener stud having its head and neck offset toward the right hand side of the stud;

Fig. 8 is a section similar to Fig. 2, but showing a modified form of stud;

Fig. 9 is a front elevation of the stud member illustrated in Fig. 8; and

30 Fig. 10 is a detail elevation view of the spur shown on the stud illustrated by Fig. 9.

Referring to the drawings, I have shown a slip cover installation in connection with an upholstery installation for automobiles and the like, as more fully described in my co-pending application Serial No. 45,272, filed herewith.

40 The installation illustrated in Figs. 1, 2 and 3 includes an automobile door 1 having a frame portion 2 to which is secured an upholstery installation 3 by a plurality of male and female fastening elements 4, as more fully described in a pending application of Moses F. Carr, Serial No. 747,232.

45 The slip cover stud member illustrated in Figs. 1 through 5 is formed from a single piece of metal and includes a clip-like portion having two spaced portions 5 and 6 secured together at one end by a resilient hinge portion 7. The portion 5 provides a

stud base portion from which is pressed a relatively flat thin head 8, a neck 9 and a relatively wide abrupt shoulder 10 between the head and neck. The other portion 6, as illustrated in Fig. 5, is provided with a 55 U-shaped portion presenting fingers 11 having relatively short spurs 12 at their outer ends for gripping the upholstery installation 3, as shown in Fig. 3. Normally the base portion 5 is bent outwardly from the 60 other portion 6, as shown in Fig. 5.

Assembly of the stud member with the upholstery installation 3 may be effected by placing the clip portions over the edge of the installation and clamping the portions 5 and 6 tightly against opposite sides of the installation so that the spurs may be forced into the material of the upholstery installation 3 (Fig. 3) to prevent shifting 70 of the stud after it has been positioned relative thereto. After all of the studs have thus been secured to the upholstery installation 3, the slip cover 13 having buttonholes 14 may be buttoned to the heads 8 of the studs to cover the upholstery as shown in 75 Figs. 1 and 2. The slip cover may be easily and quickly removed for purposes of cleaning, without disturbing the stud member.

In some instances, as described in the above-mentioned application filed herewith, 80 the underlying upholstery fastening elements are positioned close to the edges of the installation and directly, or nearly so, beneath where a slip cover stud must be positioned. These would interfere with the 85 positioning of the slip cover stud if it were not for the U-shaped portion of lower flange 6, which permits positioning the stud so that the fingers may span the underlying fastener element, while permitting a certain de- 90 gree of sidewise shifting of the stud relative to the underlying fastener before securing the stud in place.

95 Figs. 6 and 7 illustrate slip cover stud members which are particularly useful for positioning the head of the stud relative to the buttonhole in the slip cover when the buttonhole comes adjacent to an underlying upholstery fastener. In the stud illustrated in Figs. 6 and 7, the base portion 5 is offset 100

to the right or to the left so that the head 8 and neck 9 of the stud may be offset relative to the U-shaped portion of the portion 6. With the combination of studs illustrated in Figs. 1 through 7, they may be secured in any position relative to the edge of the upholstery so that the heads 8 of the studs may be located in the proper position for cooperating with the button holes 14 in the slip cover 13, regardless of the underlying fastener elements. Thus I have provided studs which may be perfectly aligned with the buttonholes 19 so that the slip cover 13 may fit neatly over the upholstery without wrinkling.

Figs. 8 and 9 illustrate another stud member which is substantially the same as described in connection with the stud illustrated in Figs. 1 through 5, except that the spurs 15 are located at the sides of the fingers 11, 11. This type of stud is peculiarly adapted for use on an upholstery installation where the socket member is not countersunk in the frame 2, as shown in Fig. 8. Because of the shape of the neck 16, the base 17 is spaced away from the frame. When the portion 6 is forced between the upholstery and the frame 2, the fingers slide underneath the base 17 and the spurs 16 may be forced into the upholstery without interfering with the base.

While I have shown and described preferred embodiments of my invention, it will be understood that changes involving omission, substitution, alteration and reversal of parts and even changes in the mode of operation, may be made without departing from the scope of my invention, which is best defined in the following claims.

#### Claims:

1. A one-piece slip cover stud member for attachment to a part to be covered by a slip cover, said stud member including snap fastener receiving means and a clip-like portion, said clip-like portion having two spaced portions, one of which carries the snap fastener receiving means and is offset laterally relative to the other portion and said other portion being U-shaped to provide the fingers as and for the purposes described.

2. A slip cover fastener element comprising a U-shaped clip-like portion providing a base portion and an attaching portion adapted to be engaged against opposite faces of a support and a fastener member presented by the base portion, said fastener member being offset laterally with relation to the center of the attaching portion to permit proper positioning of the fastener member with relation to a cooperating fastener element attached to a slip cover when the clip portion is attached to a support near a fastening means which secures the said socket to another part and a pair of fingers

formed as a part of the attaching portion, as and for the purposes illustrated and described.

3. A one-piece slip cover fastener element comprising, in combination, a clip-like portion having two spaced portions, the outer end of one of which is offset to one side of the center of the other portion, and a stud portion pressed from one of said portions, said stud portion having a relatively flat thin head, a neck and a relatively wide shoulder between the head and neck for cooperative engagement with a buttonhole in a slip cover.

In testimony whereof, I have signed my name to this specification.

FRED S. CARR.