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E. B. STIMPSON

1,482,275

RIVET HOLDER

Filed June 7, 1922

Fig. 2.

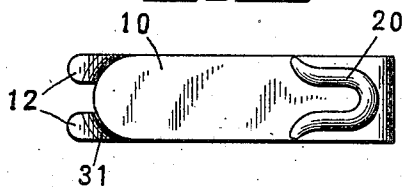


Fig. 3.

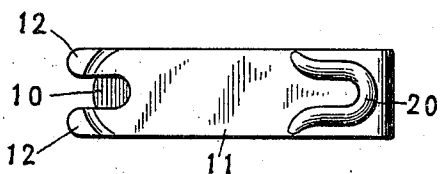


Fig. 1.

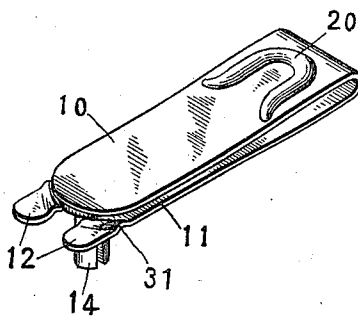


Fig. 4.

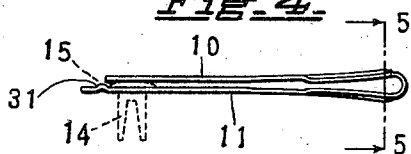


Fig. 5.

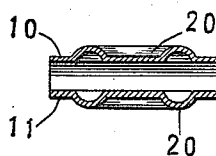


Fig. 6.

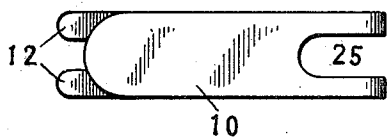


Fig. 7.

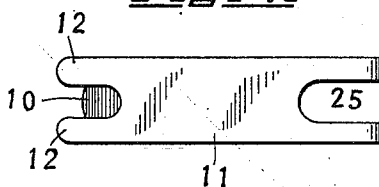


Fig. 8.

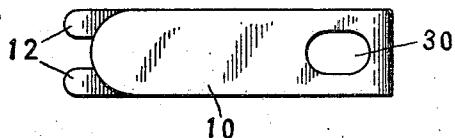
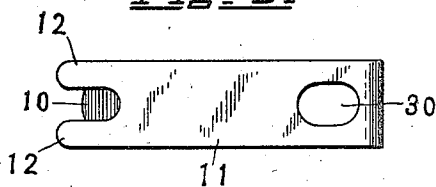


Fig. 9.



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RIVET HOLDER.

Application filed June 7, 1922. Serial No. 566,624.

To all whom it may concern:

Be it known that I, EDWIN B. STIMPSON, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Rivet Holders, of which the following is a specification.

This invention relates to rivet-holders of the type adapted to be held in the hand, usually between the thumb and the forefinger, while the rivet is driven. Difficulty has been experienced, however, because of the tendency of the rivet-holder to slip out of position in spite of the pressure exerted upon it by the fingers. This invention therefore has for its main object the provision of means which will enable the operator to hold the rivet-holder firmly in position between the fingers without exerting undue pressure.

The ordinary rivet-holders are turned out in large quantities, and it is essential that they be inexpensive. It is a further object of this invention to provide the above-mentioned means for preventing slipping of the holder without adding appreciably to the cost of the article.

Other objects and aims of the invention, more or less broad than those stated above, together with the advantages inherent, will be in part obvious and in part specifically referred to in the course of the following description of the elements, combinations, arrangements of parts, and applications of principles constituting the invention; and the scope of protection contemplated will appear from the claim.

In the accompanying drawings, which are to be taken as part of this specification, and in which I have shown merely a preferred form of embodiment of my invention:

Figure 1 is a perspective view of a rivet-holder embodying one form of my invention;

Figure 2 is a plan view thereof;

Figure 3 is a bottom view;

Figure 4 is a side edge view;

Figure 5 is a section taken on the line 5-5 of Figure 4;

Figure 6 is a plan view of a rivet-holder embodying a second form of my invention;

Figure 7 is a bottom view of the device shown in Figure 6;

Figure 8 is a plan view of a rivet-holder

embodying a third form of my invention; and

Figure 9 is a bottom view thereof.

Referring to Figures 1 to 5 of the drawings, there is shown a rivet-holder of the usual type comprising a flat strip of spring metal folded upon itself to provide an upper layer 10 and a lower layer 11, the latter having a forked outer edge 12 in which the rivet 14 is positioned. The outer end of the upper layer lies closely adjacent the lower layer so that in inserting the rivet the head 15 thereof raises the upper layer against the spring action of the metal, and is thus held firmly seated in the fork. In use, the rivet-holder is usually grasped between the thumb and forefinger of the hand adjacent the inner, folded end of the holder, and a blow is struck upon the outer end of the upper layer beneath which the rivet is positioned. The rivet is thus driven into the article.

It will be apparent, however, that unless great pressure is applied to the holder by the fingers, said holder will slip out of position when the blow is struck. This is due to the smoothness of the strip of spring metal on both the upper and lower layers. To prevent slipping, this invention provides the inner, folded ends of the rivet-holder with an abutment or surface interruption, such as a ridge or depression, for the respective finger. An elongated seat is thus formed which prevents lateral movements of the holder, and also prevents rotation of the holder about the fingers as pivots. An elongated seat of the type described is shown in Figures 1 to 5, and is formed by a corrugation or ridge 20 so positioned as to enclose an elongated depression or hollow, so that once the finger is positioned therein, the holder can be held against lateral movement by relatively slight pressure of the fingers. Preferably this ridge or corrugation is formed on both the upper layer and the lower layer, thus increasing the firmness with which the holder is held against movement.

Another form of seat for the finger is shown in Figures 6 and 7, in which is provided an elongated cut-out portion or slit 25 extending inwardly from the folded edge. Instead of raising the surface and permitting the fingers to sink into the seats to the surfaces of the layers, as in Figures 1 to 5, this form permits the fingers to sink below

the surfaces of the layers. The elongated shape of the openings or cut-out portions again prevents lateral movement or rotary movement about the fingers as pivots.

5 Still another embodiment of this principle is shown in Figures 8 and 9, wherein substantially oval apertures 30 are provided adjacent the folded end. In this modification the fingers hold the rivet-holder not only
10 against lateral and rotary movements but also against forward and rearward movements.

In every modification of the invention described above, whether a ridge or a cut-out portion is used, there are surface interruptions which engage the fingers to prevent movement of the rivet-holder.

The above description sets forth the general principles of my invention, but it will

be understood that the various changes may be made within the scope of the annexed claim.

I claim:

A one-piece rivet holder comprising a plate bent upon itself to provide a pair of arms whose free ends are biased to engage each other, one of the free ends extending beyond the other and being bifurcated, both of the arms being flat and each having on its surface a U-shaped ridge, with the cross-bar of the U located near the junction between the arms, and with the side members of the U extending in the general line of the arms forwardly towards the free ends of the arms.

In testimony whereof I affix my signature.

EDWIN B. STIMPSON.