G. Rehfuss.

Button Fastener.

No. 52884. Patented Feb. 27, 1866.

Fig. 1.

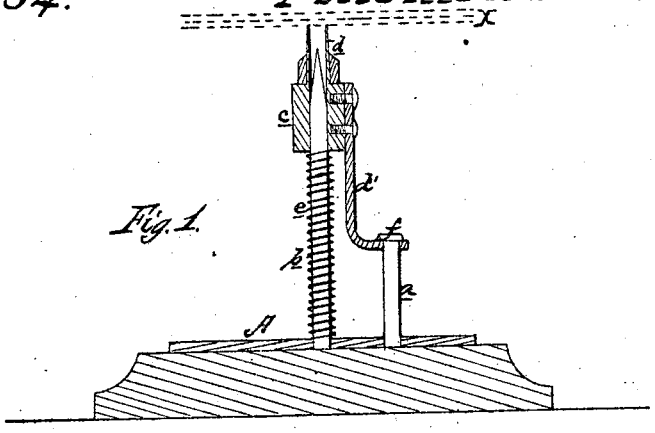


Fig. 2.

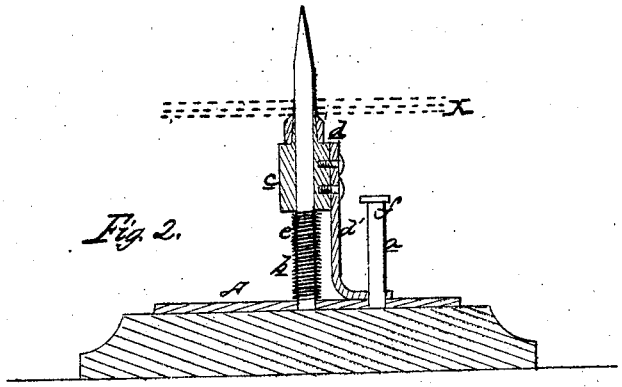


Fig. 3.

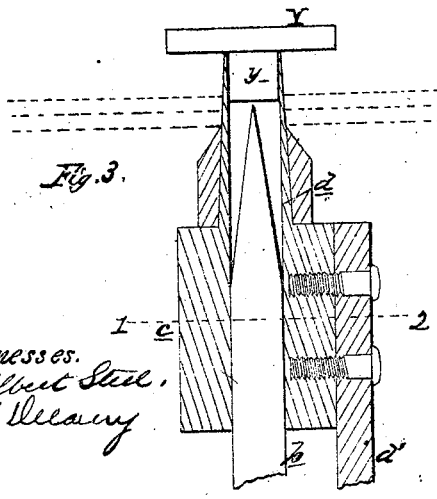
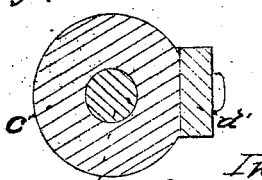


Fig. 4.



Witnesses.
Wm. Albert Steel.
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Inventor.
G. Rehfuss
By his Attorney
A. Stinson
per C. Thorp

UNITED STATES PATENT OFFICE.

GEORGE REHFUSS, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN APPARATUS FOR SECURING BUTTONS TO FABRICS.

Specification forming part of Letters Patent No. **52,884**, dated February 27, 1866; antedated February 16, 1866.

To all whom it may concern:

Be it known that I, GEORGE REHFUSS, of Philadelphia, Pennsylvania, have invented an Improved Machine for Facilitating the Attachment of Buttons to Fabrics; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to that class of buttons which are secured to fabrics by means of metal rivets; and my invention consists of certain mechanism, fully described hereinafter, for quickly introducing the shanks of the rivets into the fabric without cutting or breaking the fibers of the latter.

In order to enable others to make and use my invention, I will now proceed to describe its construction and operation.

On reference to the accompanying drawings, which form a part of this specification, Figure 1 is a sectional elevation of my improved machine for facilitating the attachment of buttons to fabrics; Fig. 2, the same with the parts in different positions; Fig. 3, a detached view drawn to an enlarged scale; Fig. 4, a section on the line 1 2, Fig. 3.

Similar letters refer to similar parts throughout the several views.

A is a plate, to the center of which is secured a short vertical rod, *a*, and a longer vertical rod, *b*, the upper end of the latter being brought to a sharp point.

On the rod *b* slides a metal sleeve, *c*, which is secured to the upper end of a plate, *d'*, the lower end of the latter being bent outward, and this bent portion having a hole through which passes the rod *a*. Round the rod *b*, below the sleeve *c*, is a spiral spring, *e*, which tends to raise the said sleeve, the upward motion of the latter, however, being limited by a head, *f*, on the rod *a*.

On the upper end of the sleeve *c* is a tube, *d*, which is concentric with the rod *b*, and which is slightly conical, so that the upper end of the tube presents a sharp annular edge.

The fabric X, to which a button is to be attached, is first brought over the instrument so that the end of the tube *d* shall be in contact with the fabric at the point where the button is to be secured. The fabric is now pressed quickly downward by the attendant so that the point of the rod *b* shall penetrate the same, the sleeve *c* and its tube being depressed to the position shown in Fig. 2, when the fabric will pass readily from the rod onto the tube *d*. The fabric is now released, and the sleeve *c* and its tube are raised by the action of the spring *e* to the position shown in Fig. 3. The shank *y* of a button, Y, is now introduced into the upper end of the tube *d*, as shown in Fig. 3, and the attendant presses with his thumb upon the head of the rivet, while at the same time he draws up the cloth over the tube until it is brought against the under side of the head of the rivet, when the cloth, with the rivet the shank of which has thus been inserted, is removed.

I claim as my invention and desire to secure by Letters Patent—

The combination of the pointed rod *b*, the movable sleeve *c*, with its conical tube *d*, and spring *e*, the whole being arranged and operating substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEO. REHFUSS.

Witnesses:
CHARLES E. FOSTER.
W. J. R. DELANY.