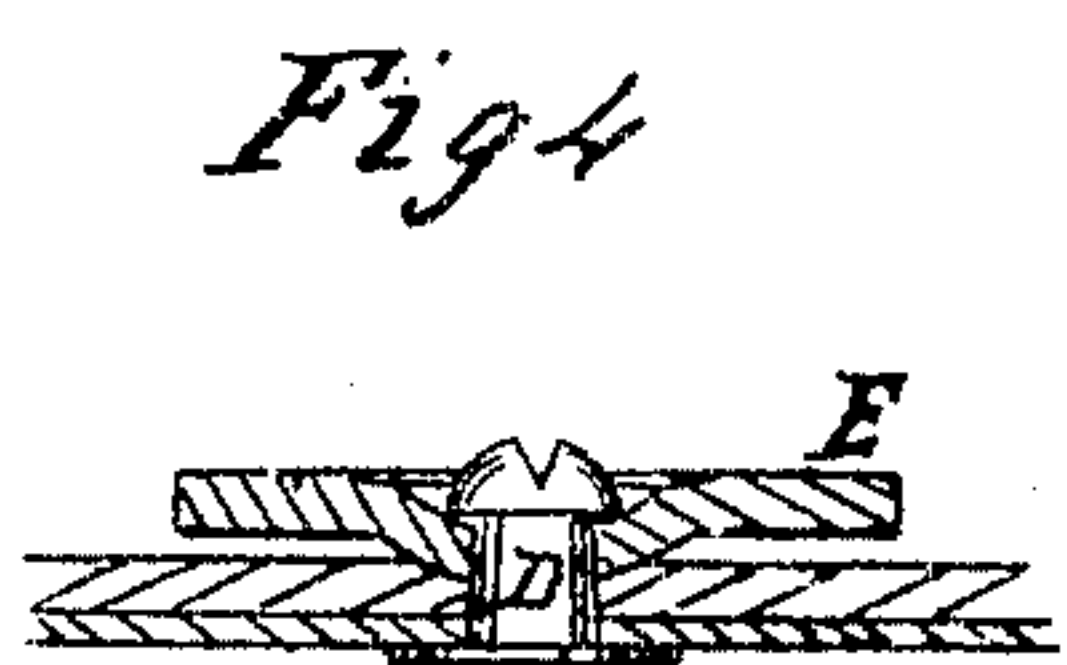


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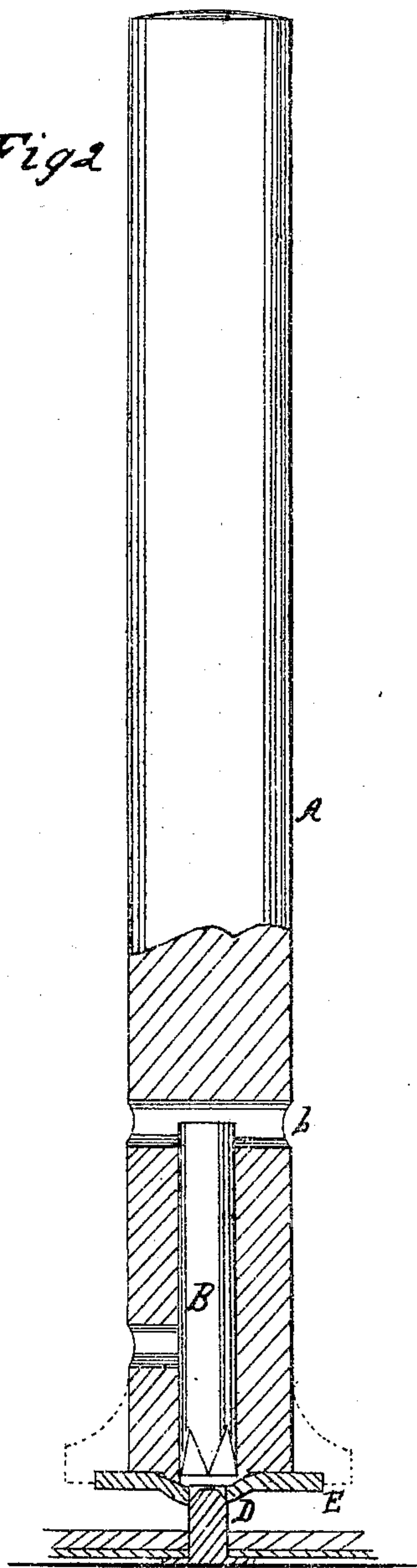
*Button Attaching Mach.*

*N<sup>o</sup> 44746.*

*Patented Oct. 18. 1864*



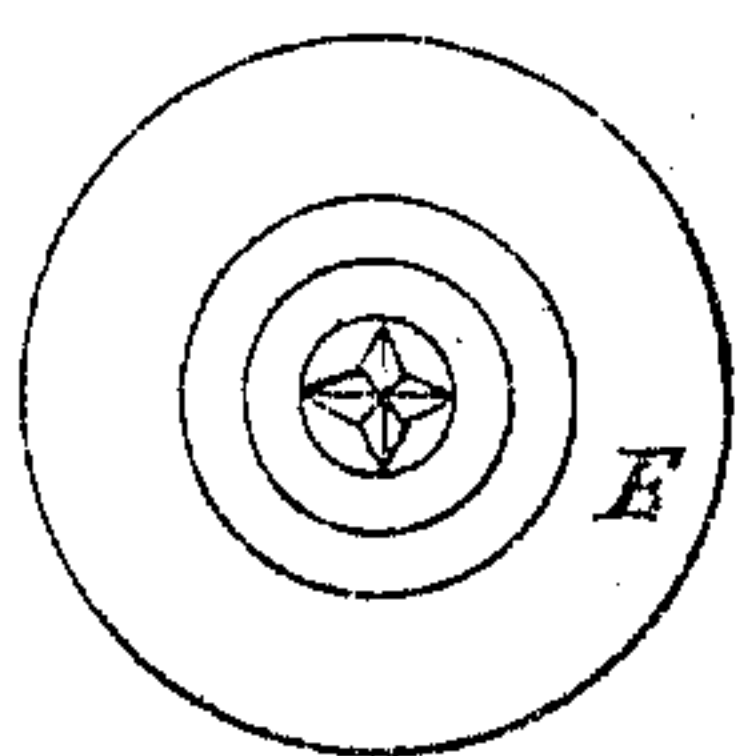
*Fig 2*



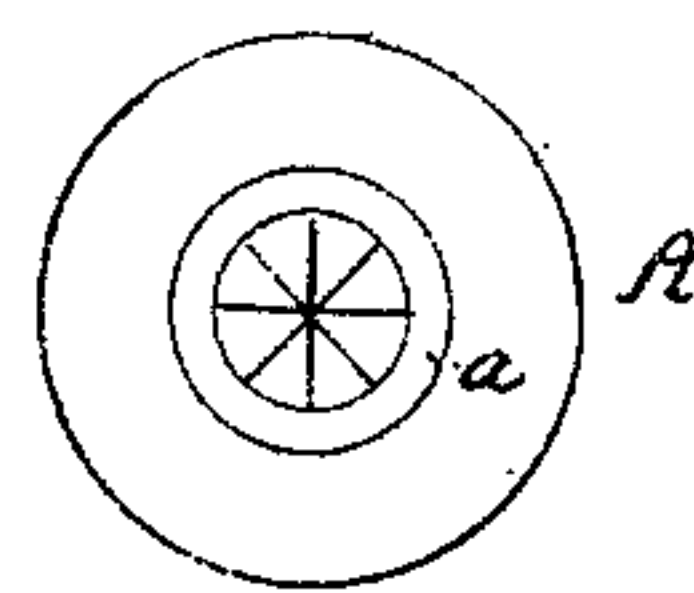
*Fig 1*



*Fig 5*



*Fig 3*



*Witnesses*

*Wm. Albert Stead  
Myr. Deary.*

*Inventor.*

*Henry Howson  
Att'y for Pincus & Rehfuss*

# UNITED STATES PATENT OFFICE.

EDWARD PINCUS AND GEORGE REHFUS, OF PHILADELPHIA, PA.

## IMPROVEMENT IN PUNCHES FOR ATTACHING BUTTONS BY RIVETS.

Specification forming part of Letters Patent No. 44,746, dated October 18, 1864.

*To all whom it may concern:*

Be it known that we, EDWARD PINCUS and GEORGE REHFUSS, of Philadelphia, Pennsylvania, have invented an Instrument for Securing Buttons to Fabrics; and we 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.

Our invention consists of an instrument, fully described hereinafter, for securing a button to cloth by means of a single rivet, the instrument being such that the button is driven tightly onto the rivet, the end of the latter being cut or indented and formed into a head.

In order to enable others to make and use our invention, we 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 an exterior view of the instrument for securing buttons to fabrics; Fig. 2, the same, partly in section, and drawn to an enlarged scale, in order to illustrate the manner of applying the instrument; Fig. 3, an end view; Fig. 4, a sectional view showing the button secured to the fabric by the instrument; and Fig. 5 a plan view of the button, Fig. 4.

A is a metallic rod, having at its lower end a cylindrical orifice for receiving a die, B, on the end of which are cutting-edges arranged in the form of a cross, and on the end of the rod A, round the orifice containing the die B, is an annular projection, *a*, for a purpose described hereinafter.

Passing transversely through the rod A is an opening, *b*, into which projects the upper end of the die B.

When it is desired to secure a button by the above-described instrument, a suitable opening is made in the fabric by means of a sharp-pointed piercer, and through this opening is passed the point of a metal rivet, D, Fig. 2, which is slightly tapering toward the top. On the upper end of this rivet is placed a metal button, E, in the center of which is a concave depression corresponding with the projecting ridge *a* on the end of the instrument, the end of the rivet projecting slightly

into an opening in the center of the button, as seen in Fig. 2. The instrument is now applied to the upper surface of the button, the projection *a* fitting into the depression in the face of the same, so that the center of the die and the center of the rivet will coincide with each other. On striking the upper end of the instrument a smart blow with a hammer, the button will be forced down tight onto the rivet, and the cruciform end of the die will be brought against the end of the same, indenting it in the manner shown in Figs. 4 and 5, and firmly securing the button to the fabric.

It will be apparent that dies with cutting-edges differing in shape from that described may be used, and that the projection *a* may be made of any shape corresponding with that of the depression in the button. Instead of making the projection *a* in the center of the instrument surrounding the orifice, it may be made at the outer edge of the same, so as to surround the edge of the button, as shown in red lines, Fig. 2—a plan which should be adopted when a flat button has to be secured to the fabric. In either case the projection serves to guide the cutting or indenting die to the proper position in relation to the rivet.

By inserting a suitable instrument in the opening *b* the die may be removed when it has to be sharpened or changed.

It will be apparent that two or more dies may be used in one instrument when it is desirable to fasten a button by means of a rivet having two or more stems, each adapted to an opening in the button.

We claim as our invention and desire to secure by Letters Patent—

The rod A, or its equivalent, with a guiding projection, *a*, in combination with a die having cutting or indenting edges, all substantially as set forth, for the purpose specified.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

E. PINCUS.  
GEO. REHFUSS.

Witnesses:

CHARLES E. FOSTER,  
JOHN WHITE.