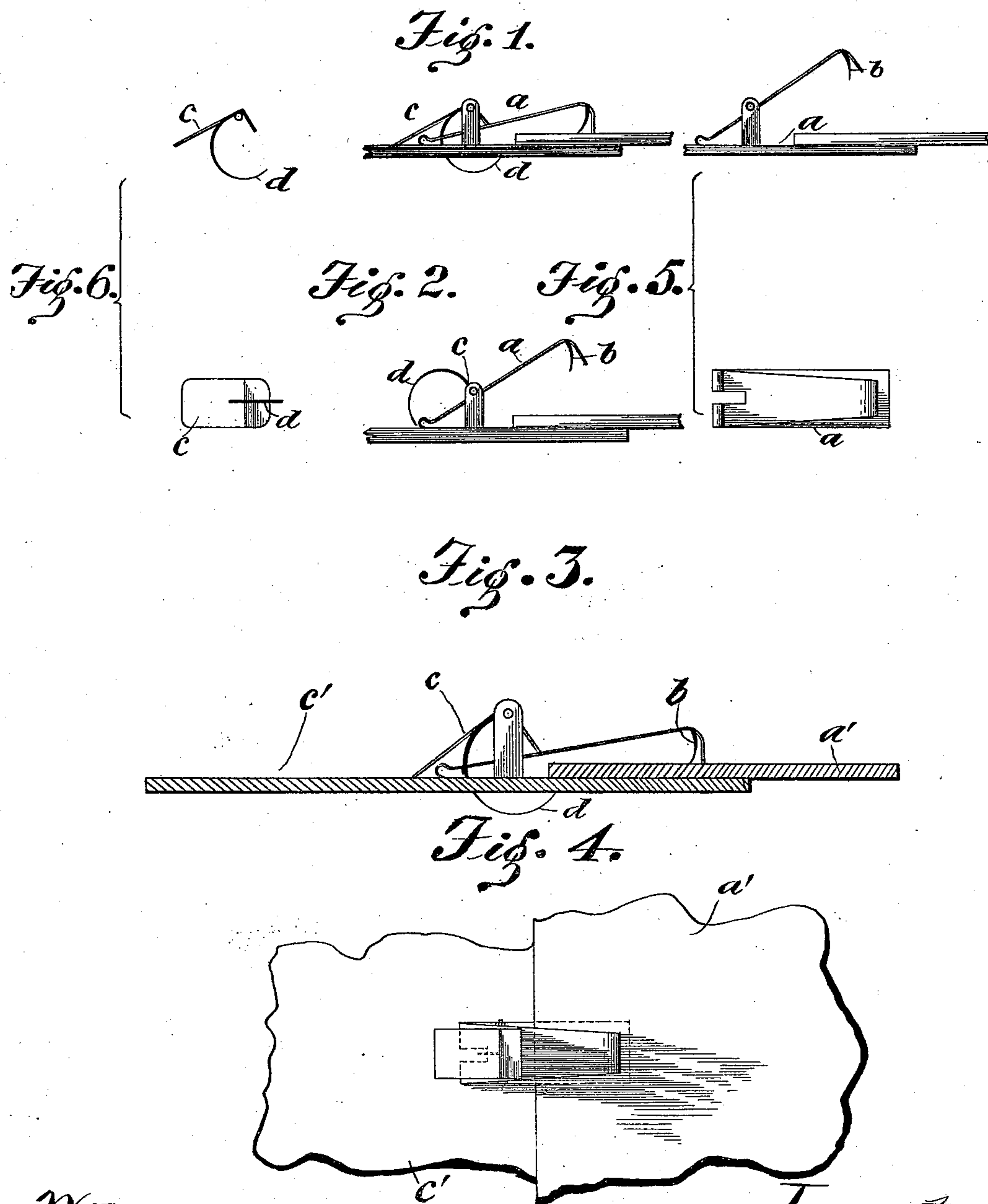


(No Model.)

O. VOSS.  
CLASP OR SAFETY PIN.

No. 547,905.

Patented Oct. 15, 1895.



Witnesses:-  
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# UNITED STATES PATENT OFFICE.

OTTO VOSS, OF BRESLAU, GERMANY.

## CLASP OR SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 547,905, dated October 15, 1895.

Application filed May 22, 1895. Serial No. 550,171. (No model.)

*To all whom it may concern:*

Be it known that I, OTTO VOSS, a subject of the King of Prussia, German Emperor, residing at Breslau, in the Kingdom of Prussia, German Empire, have invented new and useful Improvements in Clasps or Safety-Pins, of which the following is a specification.

Tailors have hitherto employed pins when trying on articles of clothing which have been cut out and tacked together, with which pins they fastened together the pieces of cloth, placed one over the other, in such a way that they could determine the right place for the rows of buttons and the seams necessary for producing a correct fit of the garment. The use of such primitive means involves, however, numerous drawbacks, which are avoided by the use of the improved safety-pin or clasp forming the object of this invention. Articles held together by ordinary pins in the manner formerly employed are very easily displaced or distorted, so that without some trouble it is not possible to assign a correct place to the row of buttons. Further, it is almost impossible to fasten together thick materials by means of ordinary pins, quite apart from the fact that it is very easy, more particularly when fitting on ladies' clothing, to injure the body when inserting the pins.

This improved safety-pin or clasp is shown on the accompanying drawings and consists of two parts.

Figure 1 shows a side view of the improved pin or clasp in a closed condition, and Fig. 2 the same when open. Fig. 3 is a side view of two pieces of cloth connected by means of the pin or clasp. Fig. 4 is a plan view thereof. Fig. 5 is a plan and elevation of one part of the pin; Fig. 6, a plan and elevation of the lever arrangement.

One part *a*, Fig. 5, of this improved pin is a spring-clamp, which has points *b* at the end of one of its shanks, which points when the clamp is pressed down grip the material and reliably hold the same, but when the clip is opened allow this clamp to be easily removed from the material without damaging it. This clamp *a* is brought into connection with the piece of material *a'* in the manner shown in Fig. 3. The second part *c* of the pin or clasp is movably connected with the part *a*. This second part consists of an elbow-plate *c* and a hook-shaped pin *d*, attached thereto. The

parts *d* and *c* are connected with one another in such a way that by pressing down the elbow-lever, and thereby causing the passage of the hook-shaped pin *d* through the material, a compression of the clamp *a* and an attachment of the same to the overlapping material *a'* take place. The pin *d* is then engaged, as shown in Fig. 3, through the under piece of material *c'*, the shape of the needle being so arranged that any scratching of the body during use is prevented.

To use the pin it is pushed in an open condition with the clamp *a* over and under the overlapping piece of material *a'*, and this material, together with the pin, is then drawn over the under piece of material *c'* up to a suitable point for insuring the correct fit of the article of clothing, the pin being still in an open condition. When the two pieces of material which are to be connected have reached their proper position, the elbow-plate *c* is pressed down and the pin or clasp is fastened—that is to say, the clamp *a* is closed and the hook-shaped pin *d* is forced through the underneath piece of material. In this way the two pieces of material *a'* and *c'* which are to be connected are fastened together in a convenient, reliable, and practical way. If it be desired to release the clamp from the material, nothing more is necessary than to press back the elbow-plate *c*, whereupon the spring-clamp *a* opens automatically and the material which was held together is released.

What I claim, and desire to secure by Letters Patent, is—

An improved clasp or safety pin consisting of a spring clamp (*a*) for the overlapping piece of material (*a'*) in combination with an elbow lever (*c*) carrying a hook-shaped pin (*d*) for the under piece of material whereby on operating the lever *c* there takes place simultaneously a closing of the clamp (*a*) and a passing of the pin (*d*) through the material substantially as described and shown in the accompanying drawings.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

OTTO VOSS.

Witnesses:

FRAN W. KONIG,  
DAVID W. MCGEE.