

No. 869,405.

PATENTED OCT. 29, 1907.

E. T. ATWELL.
COLLAR BUTTON.

APPLICATION FILED MAR. 31, 1906.

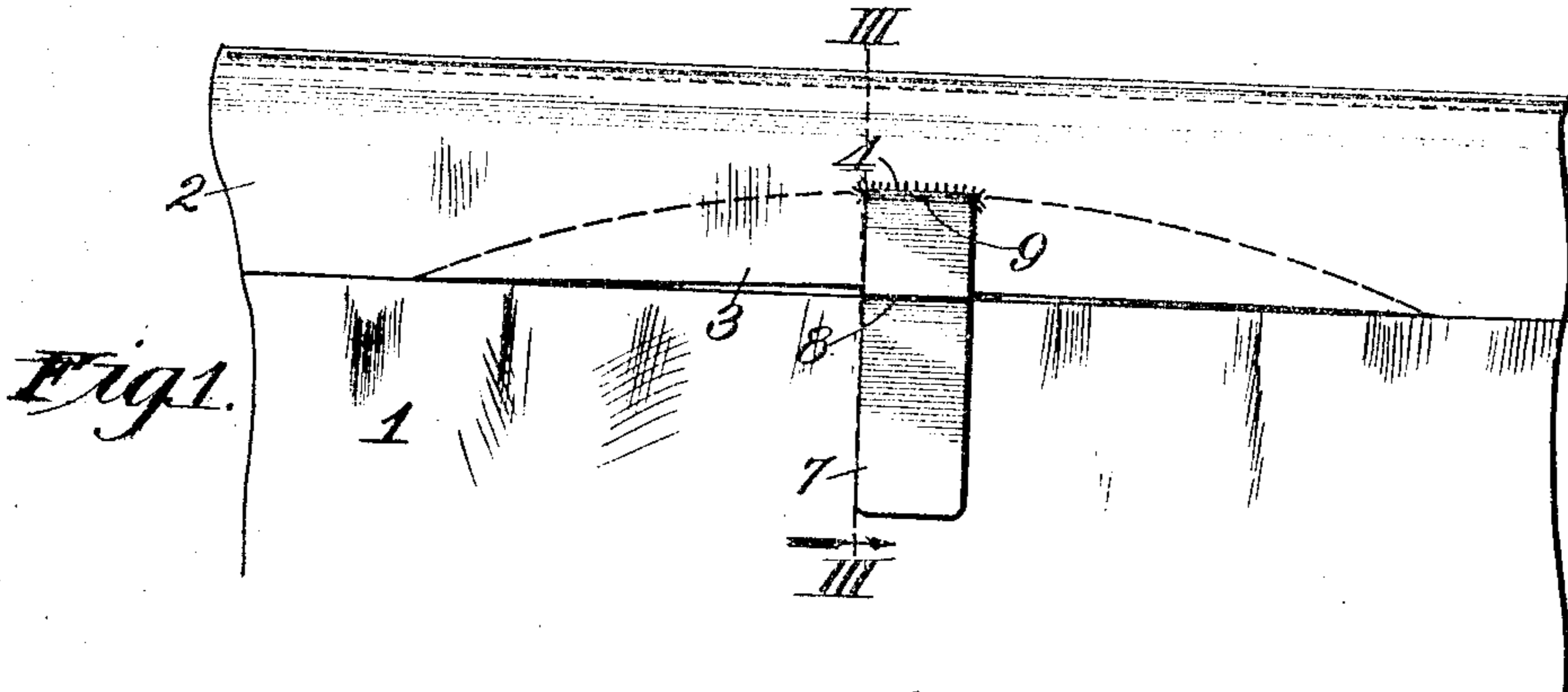


Fig. 2.

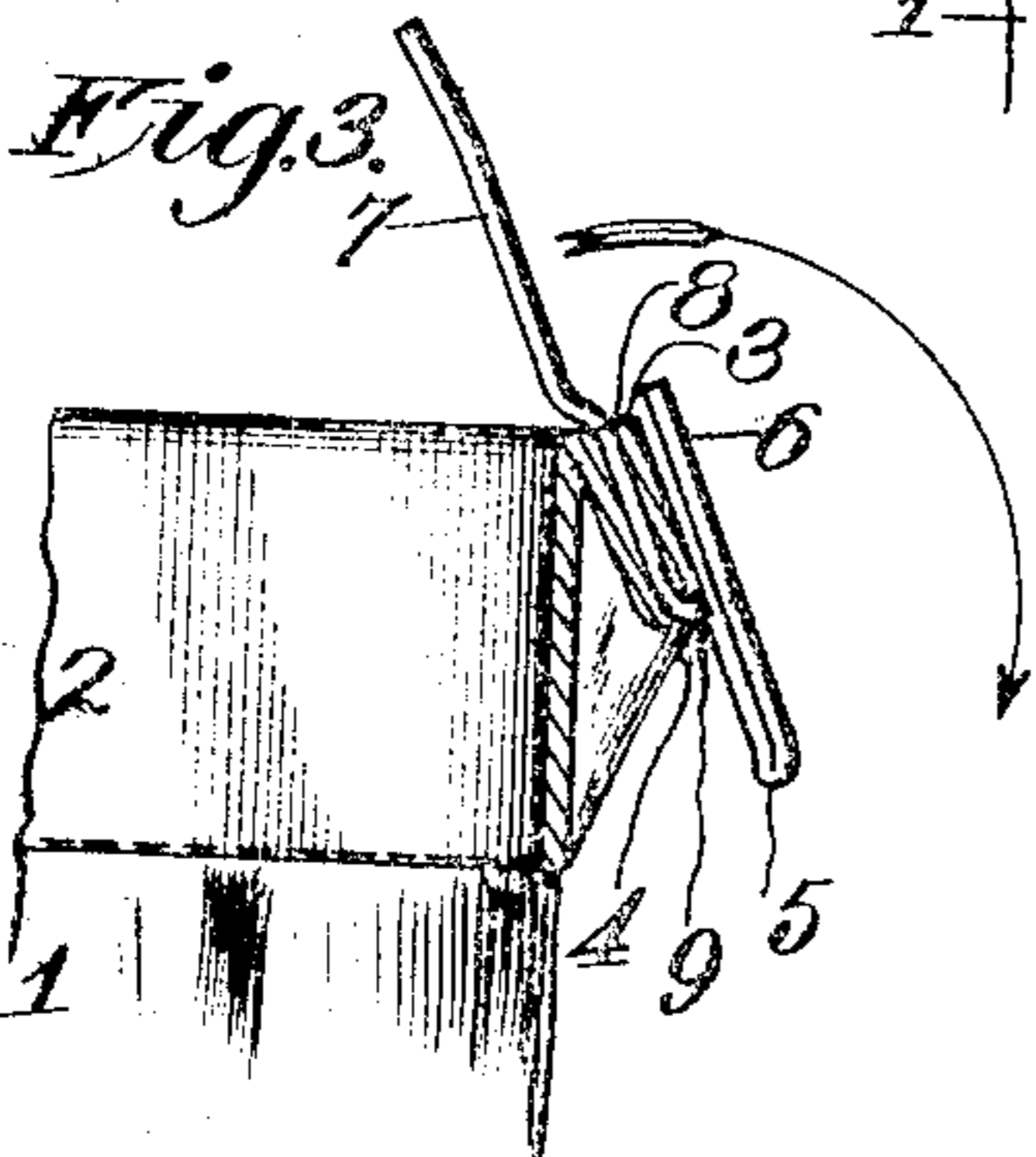
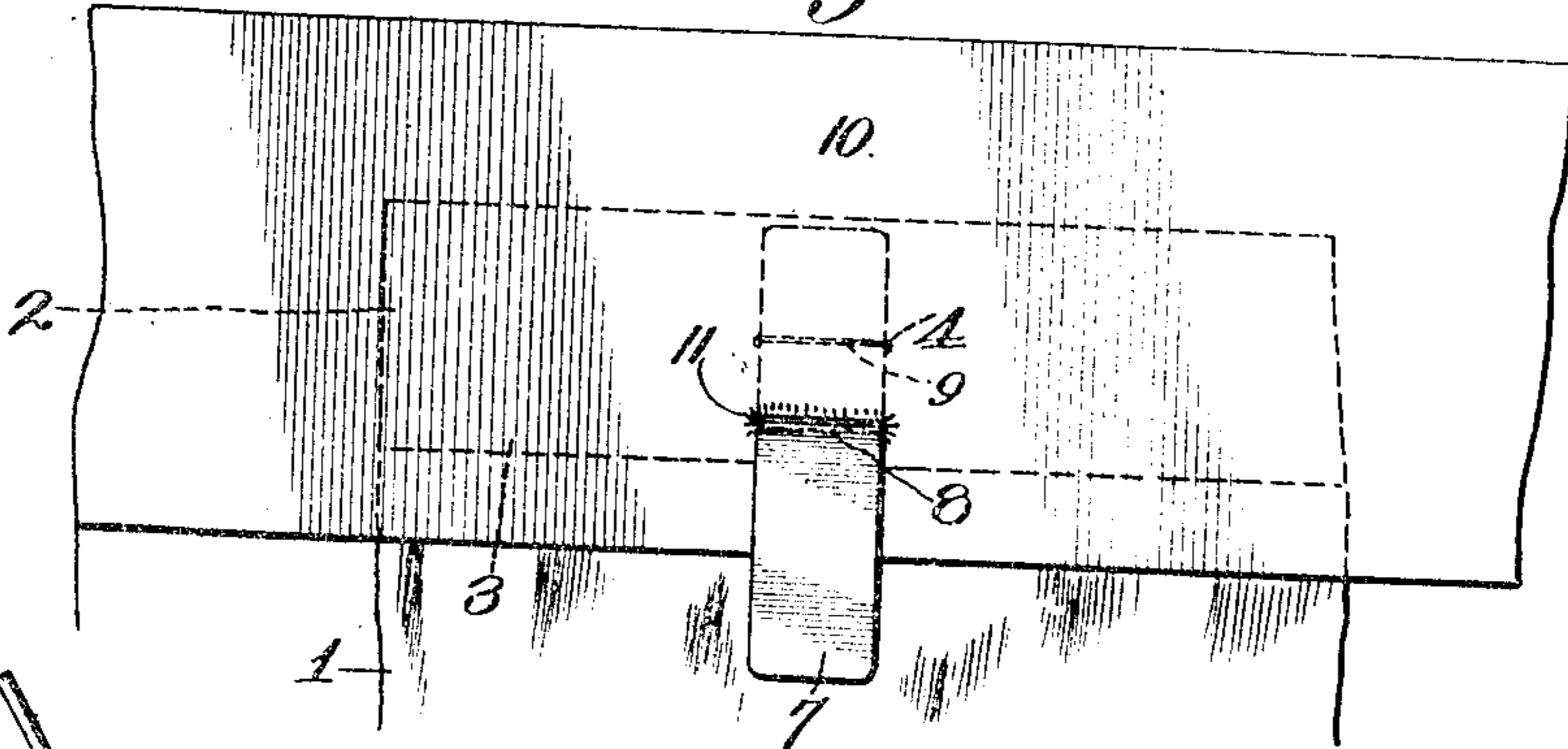


Fig. 4.

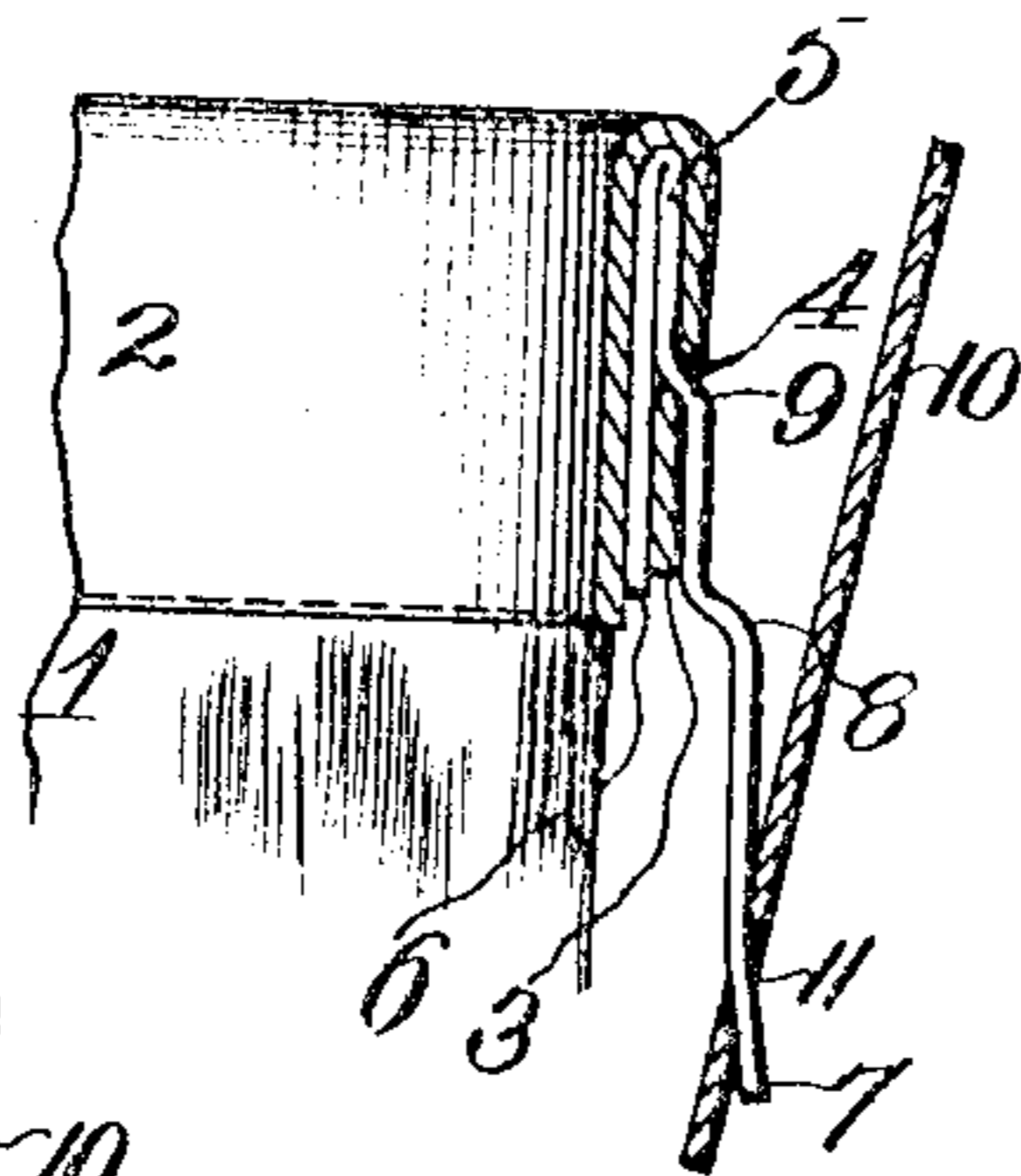


Fig. 5.

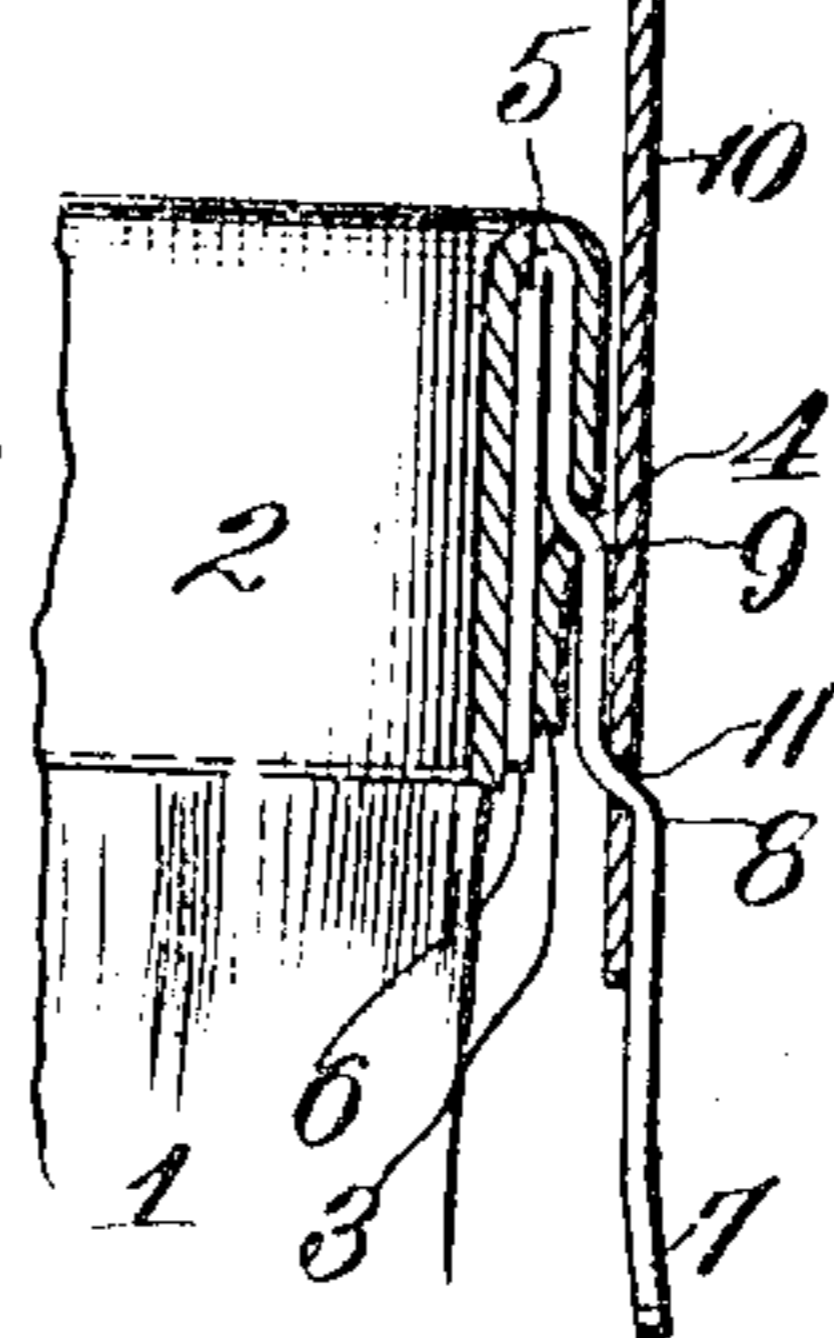


Fig. 7.

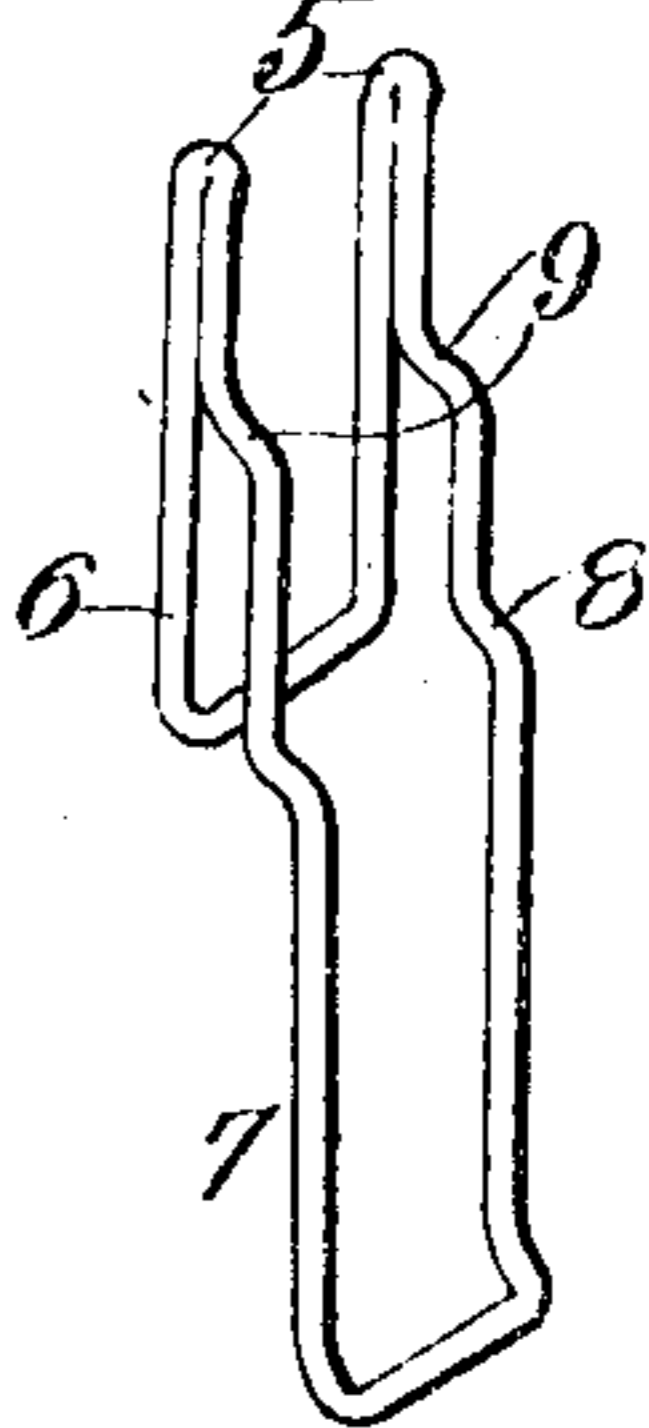
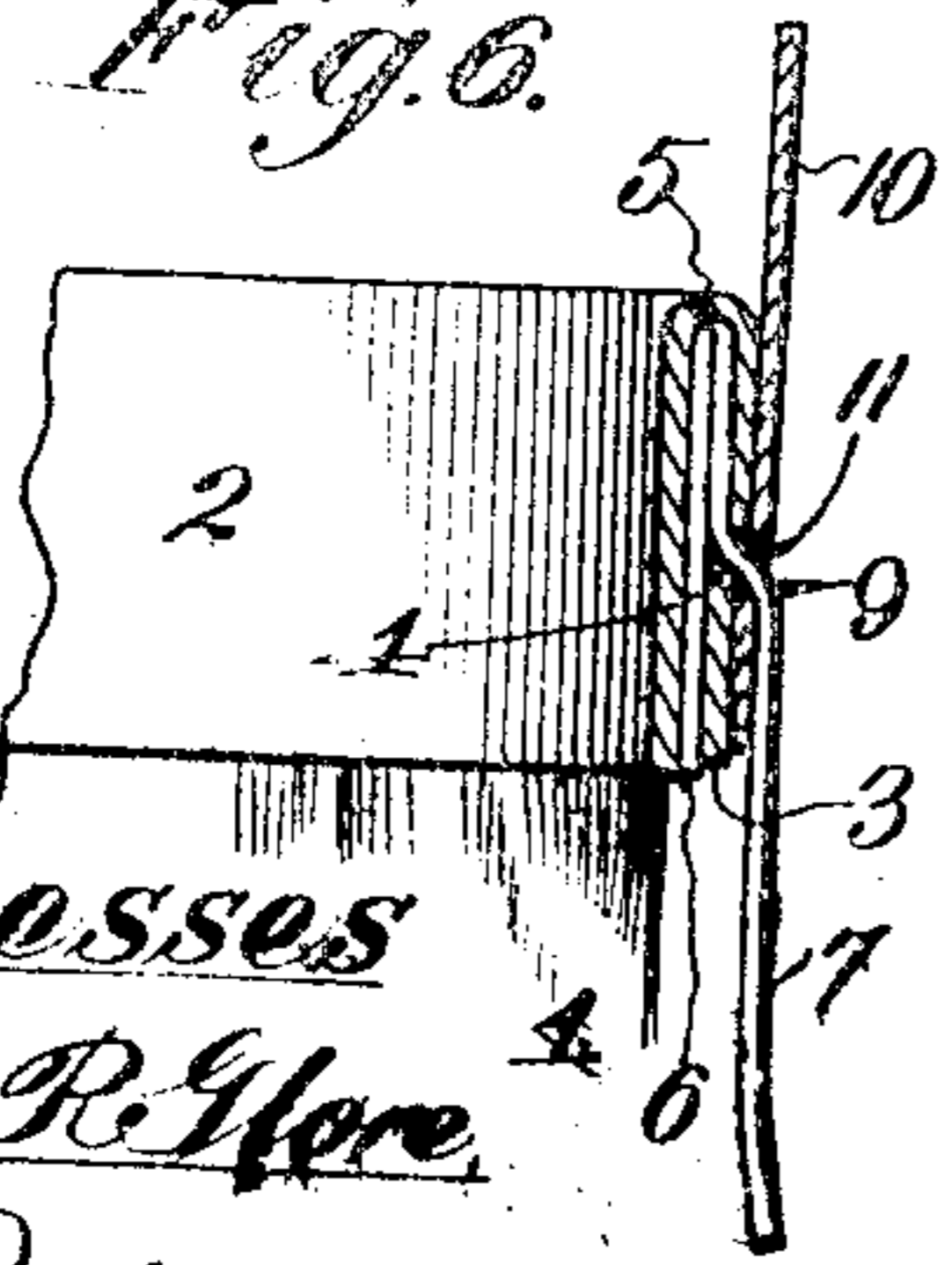


Fig. 6.



Witnesses
Frank R. Gore.
H. C. Rodgers.

Inventor
E. T. Atwell.

By *George J. Thorpe.* *Atty.*

UNITED STATES PATENT OFFICE.

ERNEST T. ATWELL, OF KANSAS CITY, MISSOURI, ASSIGNOR TO JONES F. ADAMS, OF KANSAS CITY, MISSOURI.

COLLAR-BUTTON.

No. 869,405.

Specification of Letters Patent.

Patented Oct. 29, 1907.

Application filed March 31, 1906. Serial No. 309,032.

To all whom it may concern:

Be it known that I, ERNEST T. ATWELL, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Collar-Buttons, of which the following is a specification.

This invention relates to collar buttons, and my object is to produce a device of this character which efficiently and reliably secures a collar to the back of the neck-band of a shirt without causing discomfort by pressure upon the back of the neck, said pressure being incident to the use of an ordinary button especially when the user is also wearing a coat and vest.

A further object is to produce a collar button which cannot become detached from the shirt and from which the collar cannot become unbuttoned, and which furthermore will prevent the necktie riding up on the collar at the back.

To these ends the invention consists in certain novel and peculiar features of construction as hereinafter described and claimed; and in order that it may be fully understood reference is to be had to the accompanying drawing, in which—

Figure 1 is a rear view of the neck-band of a shirt equipped with a collar button embodying my invention; the shirt being preferably of that character which opens only in the front and is therefore only equipped with a button hole at the back for the purpose of attaching a collar. Fig. 2, is a similar view with the collar secured upon the button. Fig. 3, is a central vertical section on the line III—III of Fig. 1 but with the parts in the first position which they are caused to assume in securing the button to the neck-band. Fig. 4, is a similar view with the button in operative position and also shows a collar as it is being slipped upon the button. Fig. 5, is a similar view with the collar in operative position. Fig. 6, is a view similar to Fig. 5 of a slightly modified form of the collar button. Fig. 7, is a detail perspective view of a skeleton button.

In the said drawings, 1 indicates a shirt, 2 the neck band thereof, and 3 a flap at the back of the neck-band, provided with the usual buttonhole 4.

A strip of thin spring metal with its corners rounded by preference, is bent at 5 at a point about one-third its length to produce a short arm 6 and a long arm 7, and said long arm is formed with a jog or shoulder 8 so that the lower half of the arm shall be disposed a greater distance from the plane of arm 6 than the upper half, the latter by preference being also formed about midway its length with a jog or shoulder 9, so that its upper half shall fit flatly and tightly against the corresponding half of arm 6.

In the construction shown in Fig. 6 the long arm

7 has only the jog or shoulder 9, and in this respect only differs from the construction shown in Figs. 1 to 5 inclusive.

In Fig. 7, I show a skeleton button made of spring wire, this button being the same in all respects as one made from sheet metal.

To secure the collar button in position, the flap 3 is bent upward as shown in Fig. 3, bending upward approximately on the dotted curved line shown in Fig. 1. The button is then inverted with its long arm next to the band so that it can be slipped up through the button hole 4 until the jog or shoulder 9 extends through the button hole as shown clearly in Fig. 3. The button is then turned as indicated by the arrow in the last-named figure, so that its upper end, viz. those portions of the two arms which fit tightly together, shall pass upward into the loop between the neck band and its flap, the flap at the same time turning until it has attained its normal position as shown in Fig. 4, by reference to which figure it will also be observed that the arm 6 and the portion of arm 7 above jog or shoulder 9, fits snugly and flatly between the neckband and its flap.

The button is of course preferably placed in the shirt before the latter is donned. The wearer then slips the collar 10 upon the lower end of arm 7, as shown in Fig. 4, and slips it upward until the portion 8 is engaged by the button hole 11 of the collar, when it will be seen by reference to Fig. 5, the collar assumes a perfectly straight and upright position and is prevented from working downward when buttoned in front and from working upward because the space between the jogs or shoulders 8 and 9 is filled by the lower portion of flap 3.

The button shown in Fig. 6 is secured in position in the manner described but the collar slips upward until its button hole engages the jog or shoulder 9, with its portion below the button hole interposed between the lower portion of the neck-band flap 3 and arm 7. The removal of the collar button is effected by reversing the manipulation of the parts.

In either type of construction the lower end of the arm 7 is preferably flared slightly in order to facilitate slipping the back portion of the neck-tie thereunder to prevent said tie from riding up on the collar.

From the above description it will be apparent that I have produced a collar button possessing the features of advantage enumerated as desirable, and I wish it to be understood that I do not desire to be restricted to the exact construction shown and described, as minor changes in the form and proportion may be made within the scope of the appended claims without departing from the principle of construction involved.

Having thus described the invention what I claim as new and desire to secure by Letters Patent, is:—

5 1. A collar button, comprising a pair of arms of unequal length and united at their upper ends, the longer arm being provided with a jog or shoulder and spaced slightly from and substantially paralleling the other arm below said jog or shoulder and fitting flatly and tightly against the short arm above said shoulder.

10 2. A collar button, comprising a pair of arms of unequal length united at their upper ends, the longer arm being provided with a jog or shoulder and fitting flatly against the other arm above and spaced slightly from

and substantially paralleling said other arm below said jog or shoulder, said long arm below said jog or shoulder having a second jog or shoulder, 8, said last named jog or shoulder disposing the lower extremity of the long arm a greater distance from the plane of the short arm than that portion of the long arm between said jogs or shoulders. 15
In testimony whereof I affix my signature, in the presence of two witnesses.

ERNEST T. ATWELL.

Witnesses:

H. C. RODGERS,
G. Y. THORPE.