

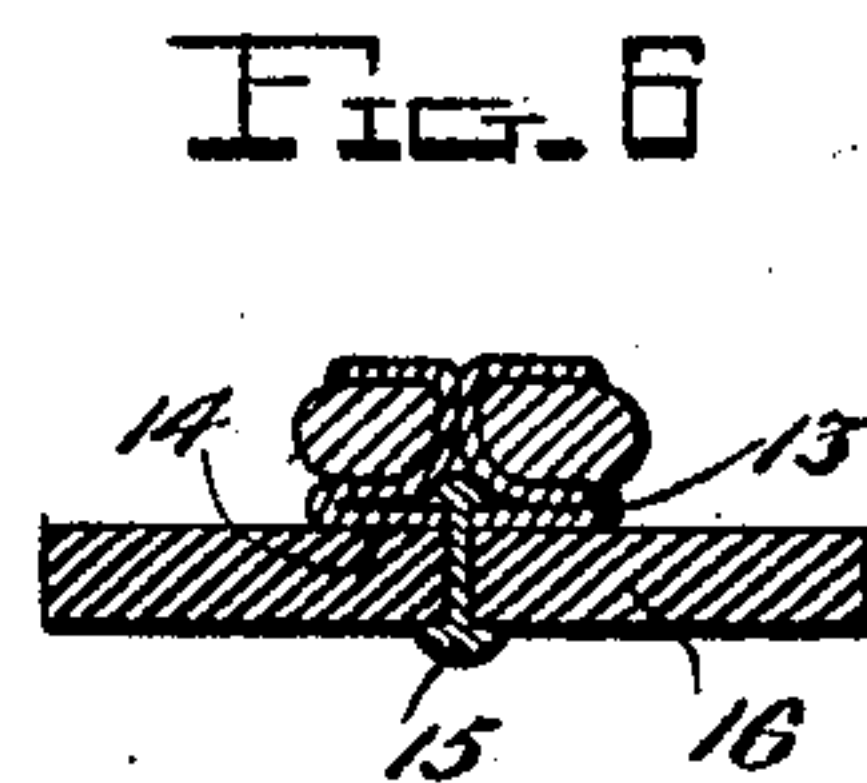
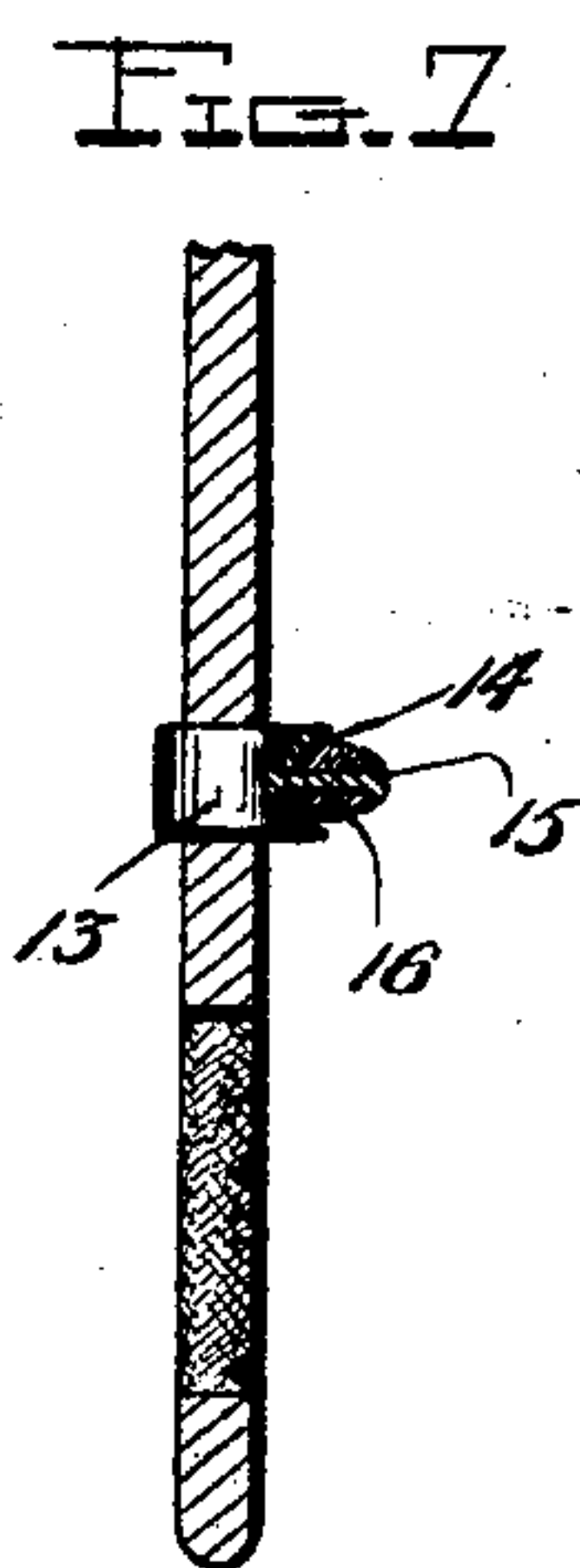
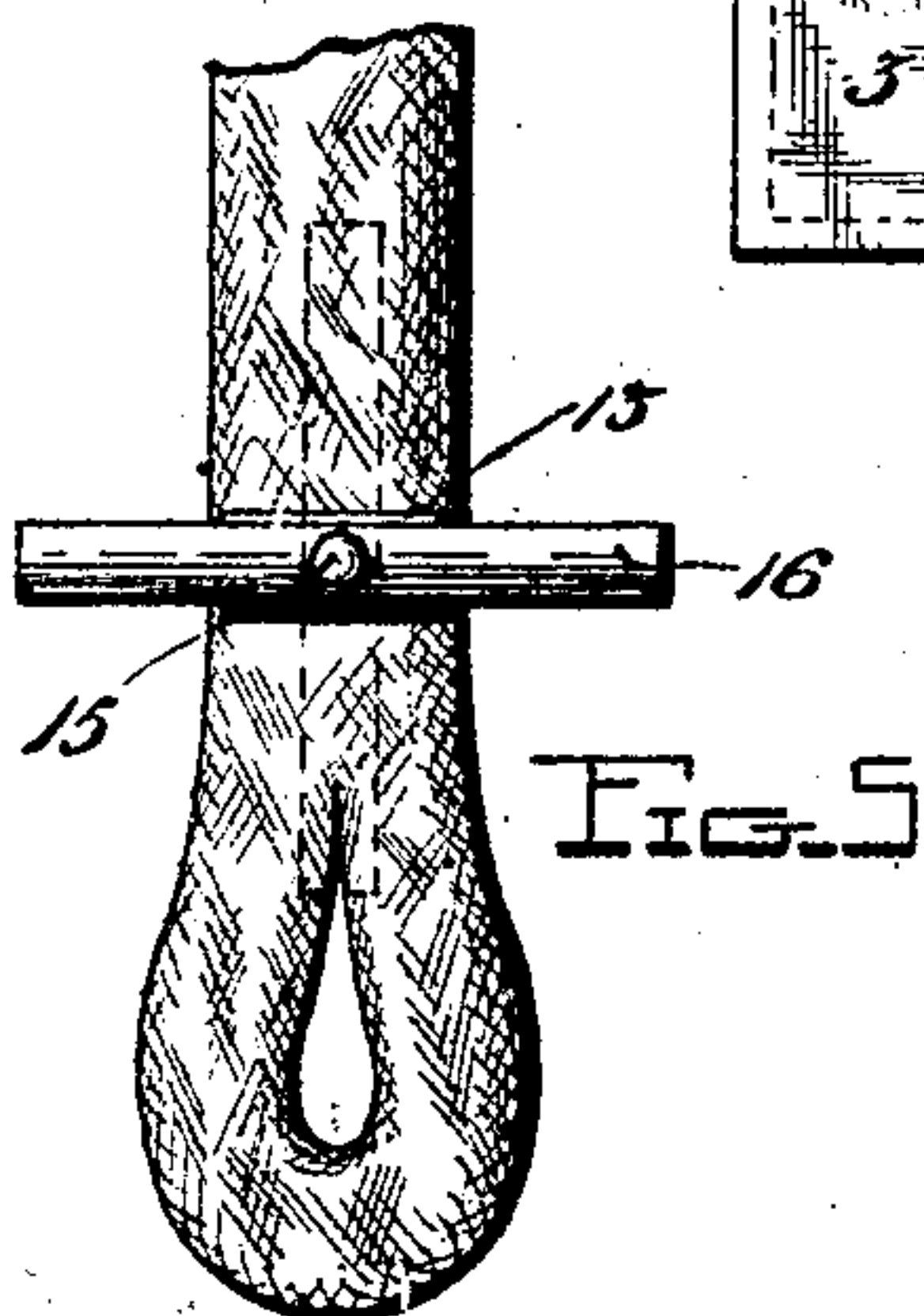
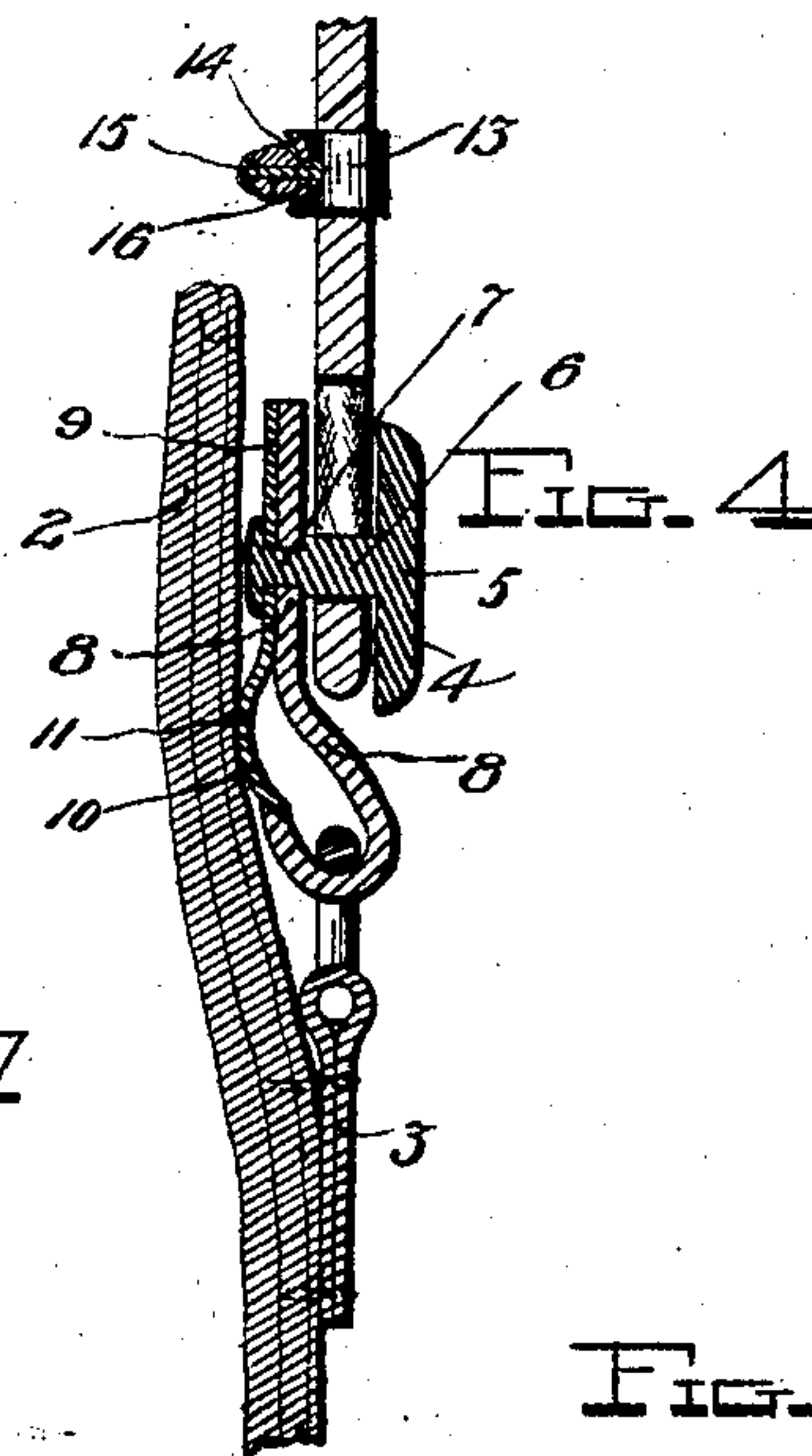
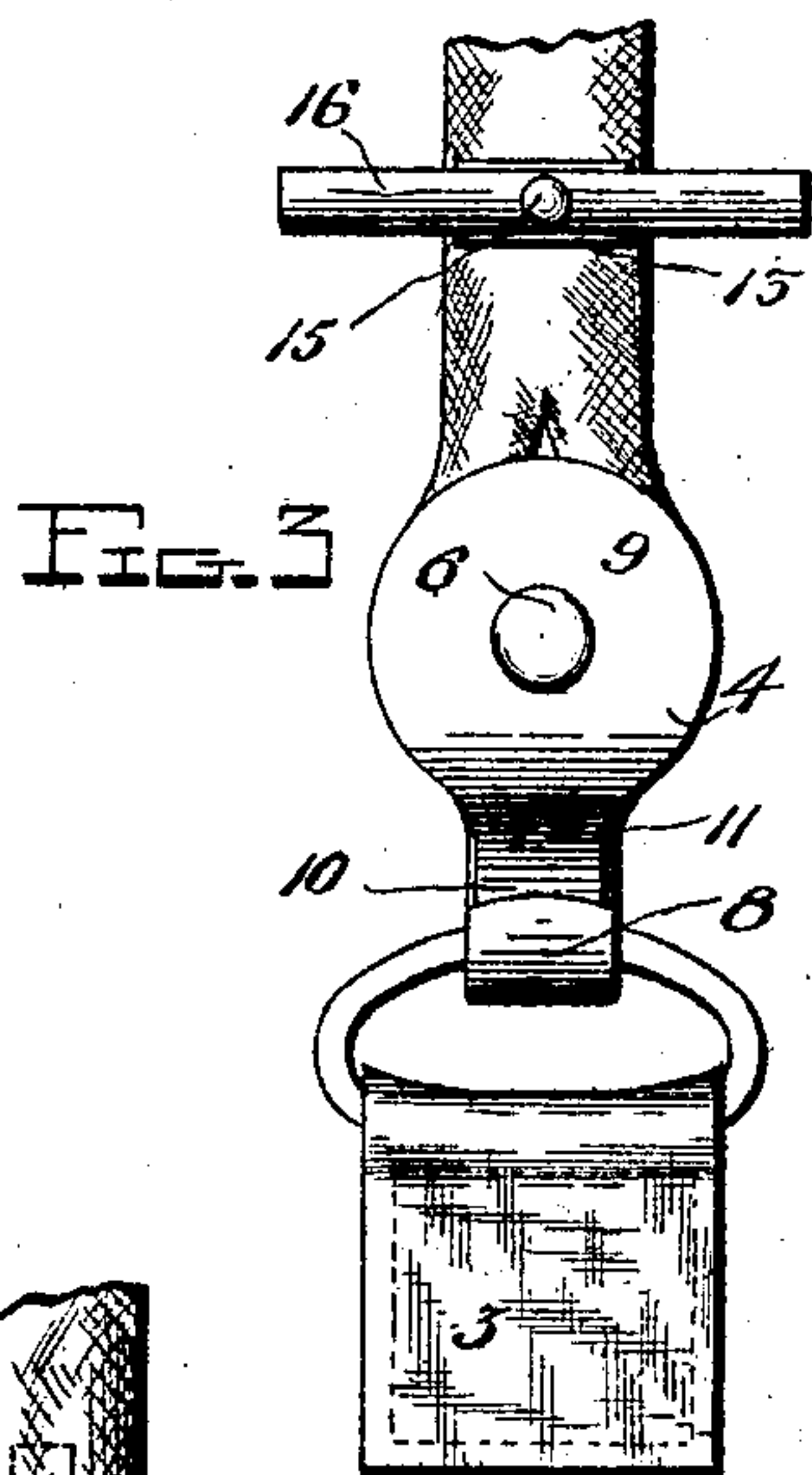
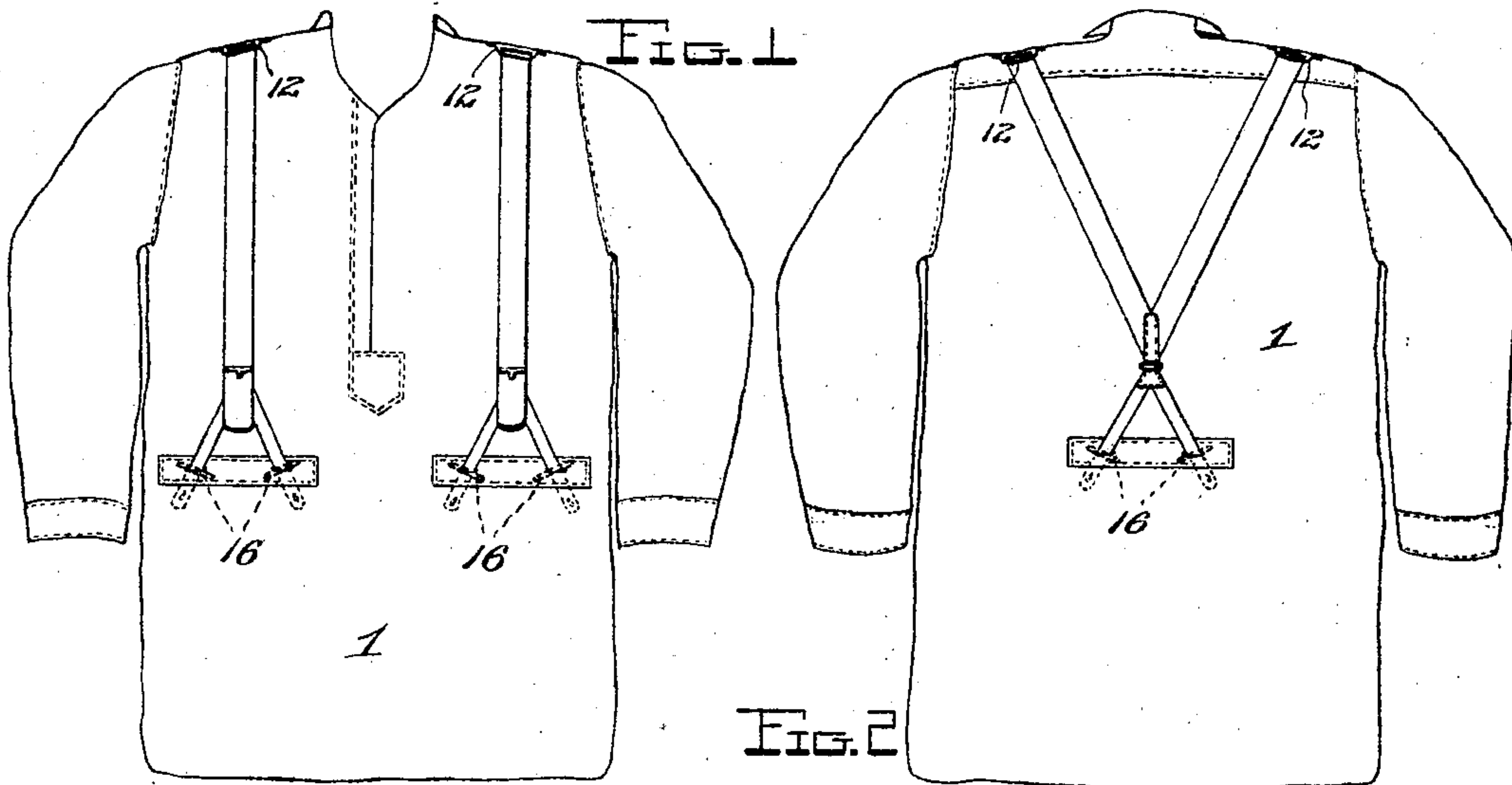
No. 682,582.

Patented Sept. 10, 1901.

A. C. WOOLMAN
SUSPENDERS.

(Application filed Nov. 23, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

AUGUSTUS C. WOOLMAN, OF BELLEFONTAINE, OHIO, ASSIGNOR TO
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SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 682,582, dated September 10, 1901.

Application filed November 23, 1900. Serial No. 37,476. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS C. WOOLMAN, a citizen of the United States, residing at Bellefontaine, in the county of Logan and State of Ohio, have invented certain new and useful Improvements in Suspenders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

The invention relates to suspenders, and more particularly to that class adapted to be worn concealed under the shirt; and it is especially adapted for use by wheelmen and
15 coatless persons in general.

The objects of the invention are to provide a simple, durable, and comparatively inexpensive means for fastening the suspender-tabs to the trousers and also to provide means for
20 preventing the ends of the suspenders from pulling through the slits in the shirt in the act of putting on or removing the shirt.

With these objects in view the invention consists in certain features of construction
25 and combination of parts, which will be hereinafter more fully set forth.

In the accompanying drawings, Figures 1 and 2 are vertical sections of a shirt provided with my invention. Fig. 3 is a plan view of
30 my improved button. Fig. 4 is a vertical sectional view through the lower end of one of the suspender-tabs, the button, the waistband of the trousers, and the loop attached thereto. Fig. 5 is an enlarged view of the
35 lower end of the suspender-tab, showing the means for fastening the tab to prevent its accidental removal from the slits of said shirt, the cross-bar of the device being shown in full lines as turned at right angles to the
40 length of the tab, in which position it will be impossible for the tab to withdraw from the slits, and being shown in dotted lines parallel with the tab, in which position it may be inserted into or removed from the slits. Fig.
45 6 is a horizontal sectional view taken through the device when in the position shown in full lines in Fig. 5, and Fig. 7 is a similar view taken at right angles to Fig. 6.

Referring to the drawings, 1 denotes a shirt
50 having slits formed in the skirt portion thereof in front and at the rear and arranged to

come about an inch below the waistband of the trousers.

2 denotes the waistband of the trousers, having metal loops secured on its inner face, below the upper edge thereof, and are preferably secured in place by flexible tabs 3.

4 denotes my improved button, which consists of the base 5, having a shank 6, formed with a reduced end 7, upon which is placed
60 a plate 8, having a hook, and a plate 9, provided with a spring-tongue 10, the extremity of which projects into the bill of the hook and is formed with a bulge 11 to guard said bill and prevent it from catching into the garments. The reduced end of the shank is
65 headed, thus securing the parts together. It will be noticed that the hook projects outward, and when the button is engaged with the suspender-tab and the hook with the loop
70 on the waistband the strain is in a straight line, so as to prevent the button from being twisted or canted to one side, which would be very apt to rub or injure the person.

The suspenders are placed on the inside of
75 the shirt and its tabs inserted through the slits therein and the buttons engaged with the buttonholes of the tabs. The hooks of the buttons are now engaged with the loops on the inner face of the waistband of the
80 trousers, and in this position the trousers will be held up in the usual manner without dragging or pulling down upon the shirt. In order to render the putting on and taking off of the shirt easy and prevent the displacement of the suspenders, I may provide the
85 shirt at its shoulder portions on its inner side with loops 12, through which the webs of the suspenders are inserted. To prevent the tabs accidentally pulling through the slits in
90 the shirt in putting the same on and taking it off, I provide a novel means which consists of a plate 13, having a transversely-curved seat 14. The ends of this plate are
95 doubled upon themselves and are then inserted through the tab in the suspenders and are then clenched or bent against the same, as shown. To this plate is swiveled by a
100 headed pin 15 a cross-bar 16, which is adapted to turn in the position shown in full lines in Fig. 5 and be seated in the plate and held therein by the spring action of the plate. In

this position it will be impossible to withdraw the tabs through the slits in the shirt, as the cross-bar is of greater length than the length of the slits; but by turning the bar to the position shown in dotted lines in Fig. 5, or paralleling it with the tabs, said tabs may be easily inserted through or withdrawn from said slits.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of my invention will be readily understood without requiring an extended explanation.

The device is exceedingly useful for the purpose for which it is designed and may be placed upon the market at a comparatively small cost.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. A suspender-tab designed for insertion

through a slit in a shirt, and means carried by said tab for preventing the accidental withdrawal of said tab through the slit, said means comprising a bar and a plate, the latter being of less length than the former and formed with a groove, said bar being pivoted to said plate, substantially as set forth.

2. A suspender-tab designed for insertion through a slit in the shirt, and means carried by said tab to prevent the accidental withdrawal of said tab through the slit, said means comprising a bar and a plate, the former being of greater length than the latter and the latter being formed with a groove to receive the former and also having its ends doubled upon themselves and inserted through the tabs on the suspenders and clenched or bent, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

AUGUSTUS C. WOOLMAN.

Witnesses:

ALFRED ZIEGLER,
W. S. STOUGH.