

No. 756,027.

PATENTED MAR. 29, 1904.

E. B. KLEINSMITH.
BUTTONER.

APPLICATION FILED NOV. 28, 1903.

NO MODEL.

Fig. 1

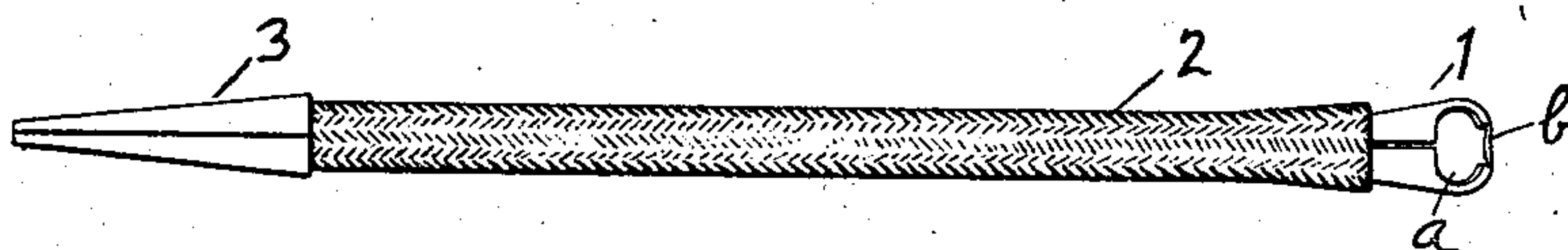


Fig. 2.

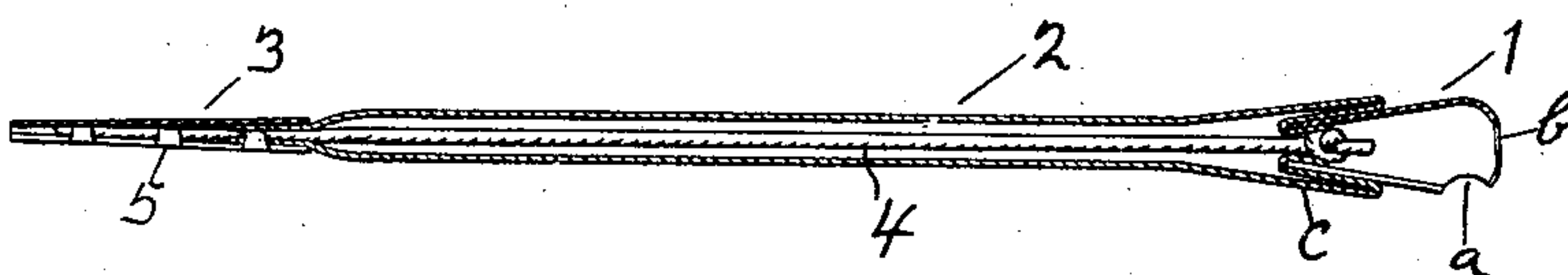


Fig. 3.

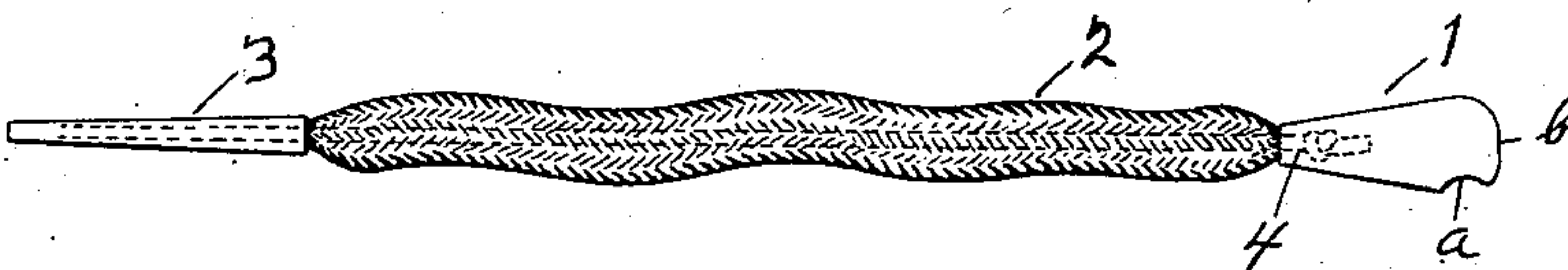


Fig. 4.

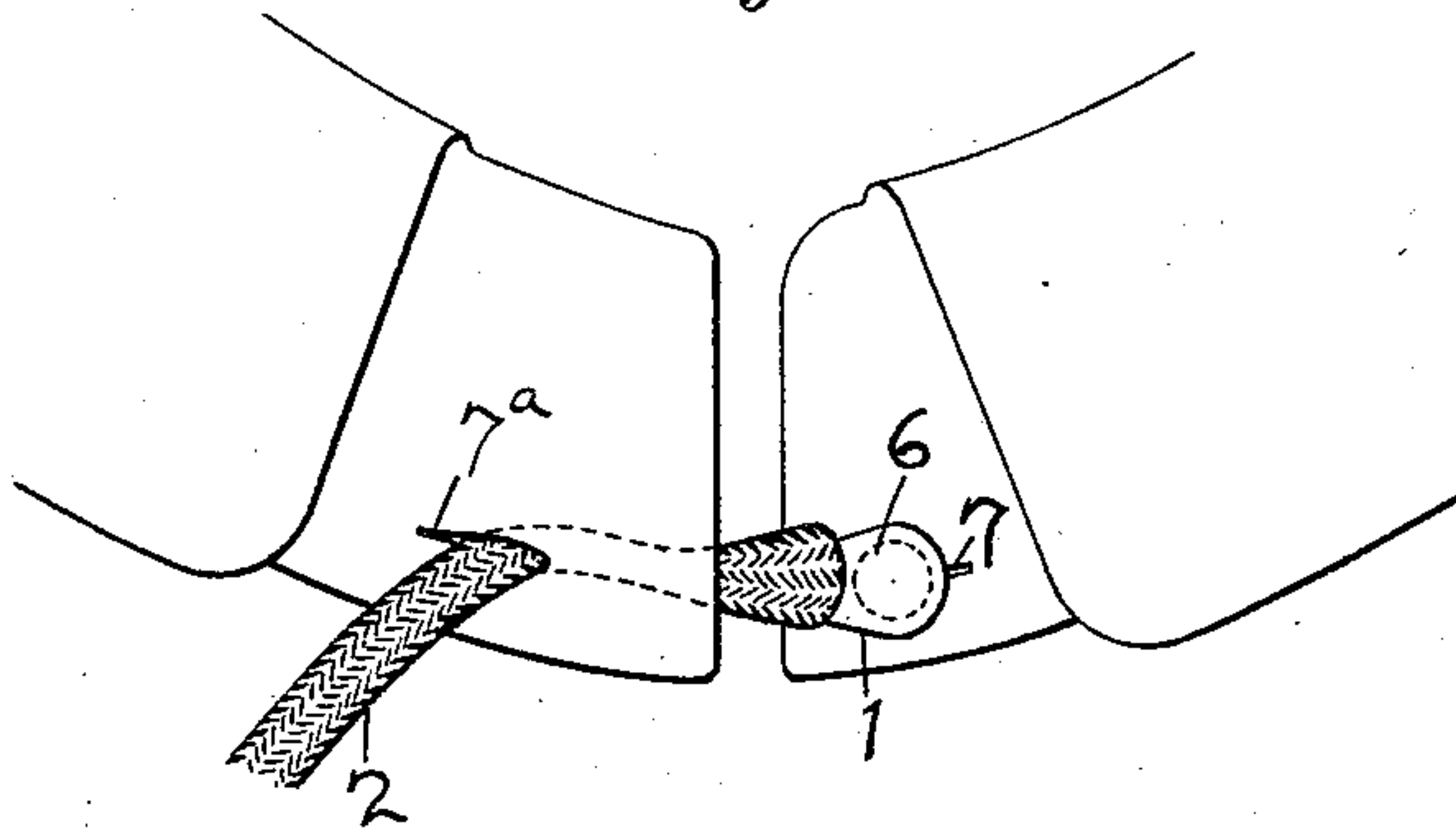
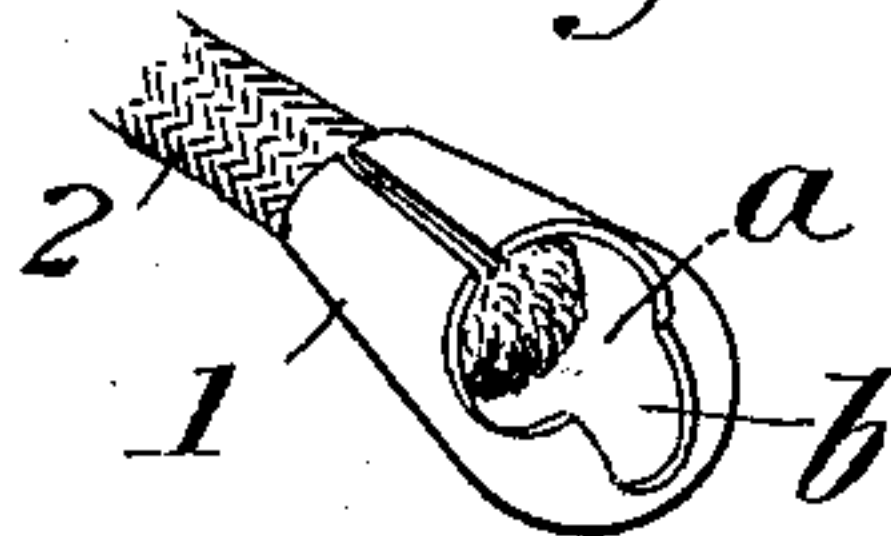


Fig. 5.



Witnesses:
Walter A. Pauling
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UNITED STATES PATENT OFFICE.

ELMER B. KLEINSMITH, OF NEW YORK, N. Y.

BUTTONER.

SPECIFICATION forming part of Letters Patent No. 756,027, dated March 29, 1904.

Application filed November 28, 1903. Serial No. 182,950. (No model.)

To all whom it may concern:

Be it known that I, ELMER B. KLEINSMITH, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, county and State of New York, have invented a new and Improved Buttoner, of which the following is a specification.

My invention relates to a buttoner; and it consists of certain novel parts and combinations of parts particularly pointed out in the claims concluding this specification.

In the accompanying drawings, Figure 1 is a longitudinal view of a buttoner involving my invention. Fig. 2 is a sectional side view of the same. Fig. 3 is a longitudinal view showing the leader before it is gathered over the head of the buttoner. Fig. 4 illustrates the application of my invention to a collar-button. Fig. 5 is a perspective view of the head of the buttoner.

The following is a description of the buttoner shown in the drawings, which illustrate the form in which I at present prefer to embody my invention; but it may be understood that various modifications and changes may be made in the details of the same without departing from the spirit of my invention and without exceeding the scope of the concluding claims.

The head or hook 1 may be made of any material; but it is preferred to make it of a metal. It may be of form and size to fit over any button or stud. In the form shown in the drawings it is made with the openings *a* and *b* to slip over the head and shank, respectively, of a button or stud. Tapering toward the end *c*, it is there secured in any suitable manner over the end of a flexible piece of material 2, which may be called the "leader" of the device. This leader is preferably constructed of two flexible parts 2 and 4, each of which is secured at opposite ends to the head 1 and pin 3, which is supplied with holding-prongs 5. The part 2 is preferably tubular and incloses the part 4. The part 2 is also shorter than the part 4, so that as the leader is threaded through the buttonhole the part 4 will be gathered at the head 1 and fold over

the same, as shown in Figs. 1, 2, and 4. The effect of this mode of operation is not merely to prevent the buttonhole from catching on the rear edge of the head, but also to start the spreading of the buttonhole necessary for its passage over the head while the pull is still on the leader, and thus relieve the joint between the head and the leader from a considerable portion of this pull. In the form shown in the drawings it will be seen that the leader part 4 gathers up onto the incline of the head to such a distance that after it has been passed by the buttonhole very little more pull is required to complete the passage of the buttonhole over the head.

Fig. 4 illustrates one use to which my invention may be put. It is here shown applied to a collar-button. The head of the device is first placed over the head and shank of the collar-button 6, the lower edges of the head being covered by a portion of the material constituting the leader. The pin 3 is then passed through the buttonhole 7 of the collar and the whole device is pulled through the buttonhole, carrying the button with it. The button is in like manner drawn through the buttonhole 7^a.

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

1. A buttoner comprising a head adapted to embrace a button, and a flexible leader consisting of a cord and a cover adapted to gather over the joint between said cord and head.

2. A buttoner comprising a head adapted to embrace a button, a point adapted for threading through a buttonhole and a flexible leader connecting the two consisting of a cord and a cover longer than the cord whereby fullness is provided in the cover for gathering ahead of the buttonhole through which it is being threaded.

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

ELMER B. KLEINSMITH.

Witnesses:

JOHN G. FORSYTH,
H. D. JUDD.