

B. Z. SMITH.
COLLAR BUTTON FASTENER.
APPLICATION FILED SEPT. 23, 1904.

Fig. 2.

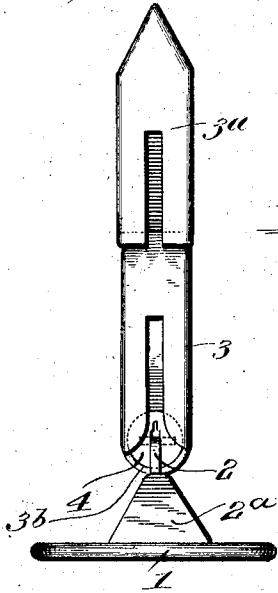


Fig. 1.

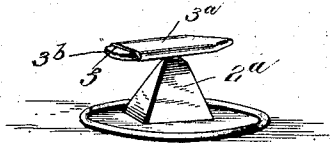


Fig. 3.

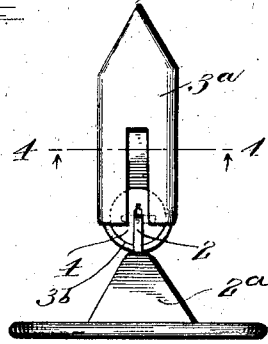


Fig. 4.



Fig. 6.

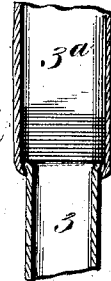


Fig. 7.

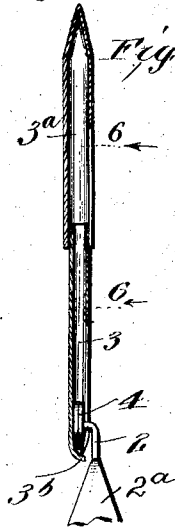
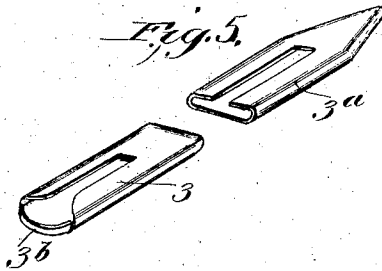


Fig. 5.



WITNESSES:
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UNITED STATES PATENT OFFICE.

BIRT Z. SMITH, OF MOUNTAINHOME, IDAHO.

COLLAR-BUTTON FASTENER.

SPECIFICATION forming part of Letters Patent No. 790,160, dated May 16, 1905.

Application filed September 23, 1904. Serial No. 225,665.

To all whom it may concern:

Be it known that I, BIRT Z. SMITH, a citizen of the United States, and a resident of Mountainhome, in the county of Elmore and State of Idaho, have made a new Improvement in Collar-Button Fasteners, of which the following is a specification.

My invention is an improvement in that class of collar-button fasteners in which the button proper is provided with a hinged member adapted to be adjusted parallel to the button-back or in line with the shank thereof, the latter position being necessary when the button is being attached to and detached from a garment.

The details of construction, arrangement, and operation are as hereinafter described, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the button and button-fastener in their normal relative positions. Fig. 2 is a side view of the buttoner or adjustable member extended. Fig. 3 is a similar view of the button with the adjustable member telescoped, and thus reduced in length. Fig. 4 is a cross-section on line 4 4 of Fig. 3. Fig. 5 is a perspective view of the parts or members of the fastener detached from each other. Fig. 6 is an enlarged longitudinal section of a portion of the adjustable member extended as in Fig. 2. Fig. 7 is a longitudinal section of the fastener extended, the shank of the button proper being shown connected therewith.

In Fig. 2, 1 indicates the back or body of the button proper, and 2 and 2^a the shank thereof. The base portion 2^a of the shank is tapered or wedge shape, and the shank 2 has a uniform diameter throughout its length and is bent laterally and provided with a small cross-head 4. The buttoner or fastener is composed of slidable members or parts 3 3^a, which are pointed, slotted, and flattened tubes telescoping one, 3, within the other, 3^a, so that they may be extended and contracted, as shown in Figs. 2 and 3, respectively. Their inner ends are crimped, as shown in Fig. 6, to prevent their separation. The inner tube 3 is made of such size as to receive the head 4 of the shank, and its outer

end is provided with a bent-up tongue 3^b, (see Figs. 5 and 7,) which serves as a stop, preventing the head 4 from being pulled out. When the two parts 3 3^a are telescoped, as shown in Figs. 1 and 3, the slots therein will coincide. The parts 3 and 3^a of the fastener are permanently attached to each other and to the button proper. The head 4 is pivoted or hinged, and therefore adjustable. It is made circular and formed of two disks, which are permanently connected. The inner disk is slotted to receive lateral trunnions or pivots of the shank 2^a, and the outer disk serves as a spring, the same bearing on the pivots and tending to hold the head in the position to which it may be adjusted.

When a button constructed according to my invention and provided with the telescoping fastener, as shown, is to be applied, say, to a shirt-collar for the purpose of securing a collar thereto, the extensible member is drawn out, and the head 4 of the button proper is adjusted at a right angle to the button, as shown in Fig. 2. Then the outer end of the outer part 3^a is inserted through the coincident slits of the shirt-collar, then through the coincident slits in the collar, whereupon the part 3^a is pushed inward upon and telescoped with the part 3, as shown in Figs. 1 and 3. The two are then turned into horizontal position and adjusted, as shown in Fig. 1. When thus adjusted, the telescoped parts 3 3^a form practically one bar or fastener which prevents the collar becoming detached. The wedge portion 2^a of the button-shank tends to press the collar toward the fastener or toward the apex of the shank, which assists in holding the lever or fastener in due position.

By making the part 3^a extensible on part 3 the fastener is adapted to be more easily inserted through several thicknesses of cloth as required in some cases, and thus the button may be more easily applied.

The parts 3 3^a may have various forms in cross-section, but I prefer the one shown and described.

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

1. The improved button and button-fas-
tener comprising a back or body having a
laterally-bent shank provided with an ad-
justable head, and an extensible member
5 formed of two sections adapted to slide one
upon another and provided with lengthwise
slots which are brought into coincidence
when the parts are duly adjusted, substan-
tially as described.
- 10 2. The improved button and fastener
therefor, comprising a body portion or but-
ton proper having a shank provided with a
pivoted head, and an extensible member
formed of two parts, one being adapted to
15 slide within the other and having a length-
wise slot in which the button - shank may
slide, the construction and arrangement be-
ing such that when the two adjustable mem-
bers are telescoped the shank occupies the
center of the fastener, substantially as de- 20
scribed.
3. The improved button and button-fas-
tener, comprising the button proper having
a shank provided with an enlarged pivoted
head, and an extensible member having 25
lengthwise slots and adapted to telescope or
slide one within the other, their adjacent
ends being crimped to prevent detachment,
substantially as described.

BIRT Z. SMITH.

Witnesses:

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C. W. HOWETH.