

(No Model.)

C. H. COOKE.
STUD FOR SHIRTS.

No. 549,492.

Patented Nov. 12, 1895.

FIG. 1.

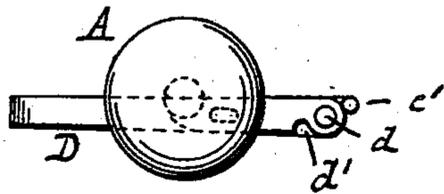


FIG. 2.

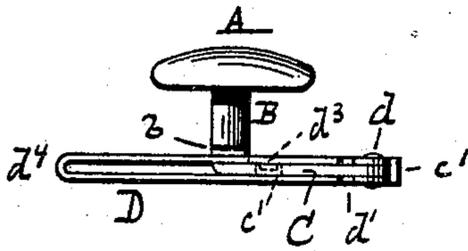


FIG. 3.

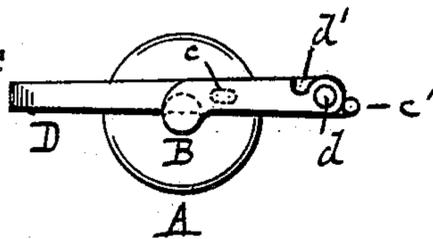


FIG. 4.

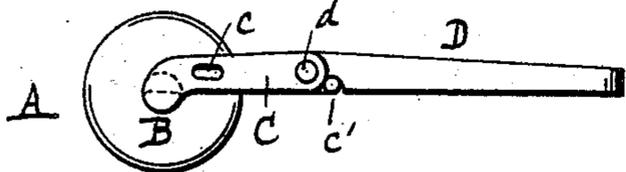


FIG. 5.

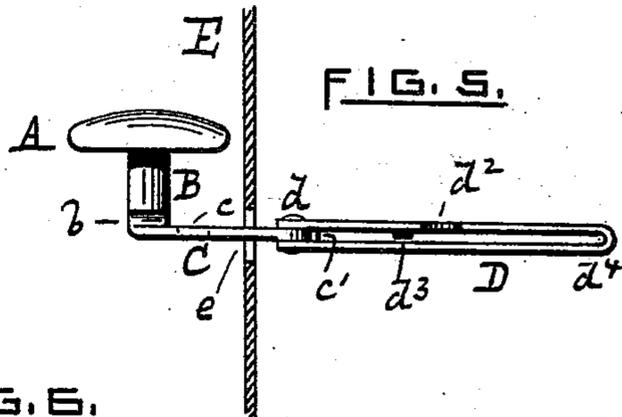
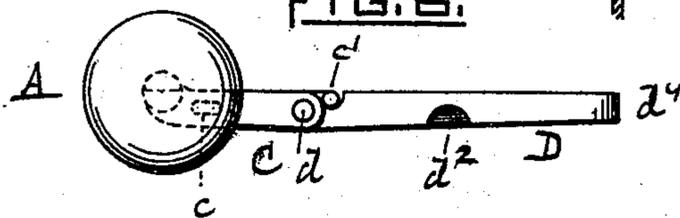


FIG. 6.



WITNESSES.

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STUD FOR SHIRTS.

SPECIFICATION forming part of Letters Patent No. 549,492, dated November 12, 1895.

Application filed August 22, 1895. Serial No. 560,078. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. COOKE, of the city and county of Providence, in the State of Rhode Island, have invented a certain new and useful Improvement in Studs for Shirt-Bosoms; and I declare the following to be a specification thereof, reference being had to the accompanying drawings.

Like letters indicate like parts.

10 Figure 1 is a top plan of my improved stud for shirt-bosoms when in wearing position. Fig. 2 is a side elevation of the same. Fig. 3 is a bottom plan view of my invention in said position. Figs. 4, 5, and 6 are respectively a bottom plan view, a side elevation, and a top plan view of my improved stud when the hinged shoe is extended and in position to enter the eyelet-hole of the shirt-bosom.

20 My invention is an improved stud for shirt bosoms or cuffs; and it consists of the combination of an ornamental head or front having a centrally-arranged post or shank and a fixed bar or shoe extending at a right angle from said post or shank, with a hinged shoe or spring-loop pivotally mounted on the end of the fixed bar or shoe and adapted to be extended therefrom in continuation of the line thereof for the purpose of insertion into the eyelet-hole of the shirt bosom or cuff, or to be swung around upon its pivot so as to cover said fixed bar or shoe and to engage with the post or shank, with its free end extending to one side as far as the fixed bar or shoe extends to the opposite side.

35 In the drawings, A represents the ornamental head or front.

40 B is the post or shank, fixed to the center of the head A on the under side thereof. The post B is slotted on one side near its end, as seen at *b*. A bar or shoe C is fixed at the end of the post B and extends therefrom at a right angle. The bar C has the opening or hole *c* near its connection with the post B and at its extreme end a small knob or stop-pin *c'* extending at a right angle from its under side.

45 An extension-shoe D, preferably made of spring metal and bent in the form of a loop, is hinged at its open end to the end of the fixed bar C by a pivot *d*. It has small half-

round slots *d'* near its pivoted end on both sides and a larger half-round slot *d²* at the center on the under side, and also a teat or knob *d³* extending inwardly from the inner surface of its upper portion.

55 The shirt-bosom is shown in section at E in Fig. 5 and has the usual eyelet-hole *e* for the reception of the stud.

To insert the stud, the hinged shoe D is turned on the pivot *d* so as to lie in the same line as the fixed shoe C and to extend in the same direction with it, as fully shown in Figs. 4, 5, and 6. The engagement of the slots *d'* of the shoe D with the stop-pin *c'* of the shoe C prevents the shoe D from moving beyond the proper position and holds the two shoes so that the edges on that side are continuous in the same line. The round or closed end *d⁴* is thrust through the eyelet-hole *e* and the shoes C D are then in a direction at a right angle with the shirt-bosom E. When the shoe C has been crowded through until the shirt-bosom E is at the bend where the shoe C and post B are united, the stud is turned by the hand in a plane at a right angle with the bosom until the under side of the head A lies flat upon the bosom E on the front of the bosom and the shoes C D lie against the back of the bosom. The stud is then fastened in place by swinging the shoe D around upon its pivot *d* to the position shown in Figs. 2 and 3. It is here seen that the knob or teat *d³* of the shoe D has been sprung into the hole or opening *c* of the shoe C and serves to lock the shoe D in said position, the resilience of the spring loop-shaped shoe enabling such engagement. The half-round slot *d²* of the shoe D is seen now to receive the post B in the slot *b* thereof. In this position of the parts it will be seen that the compound or folded shoe C D lies in a line diametrically across the head A and parallel to the under side thereof and that it extends to the same length radially from the post B on each side.

To remove the stud, it is only necessary to spring the knob or teat *d³* of the shoe D out of its engagement with the opening or hole *c* of the shoe C, (which is accomplished simply by forcibly swinging the shoe D outwardly,) and when the shoe D has been extended to

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the full length, as shown in Figs. 4, 5, and 6, it is readily withdrawn from the eyelet-hole of the bosom E.

I claim as a novel and useful invention and
5 desire to secure by Letters Patent—

The improved stud or button herein described, consisting of the head A, the post B centrally attached to the head and having the slot *b* near its end, the fixed shoe C extend-
10 ing from the end of the post B at one side thereof and provided with the hole or opening *c* near its connection with the post and with the stop pin *c'* at its end, and the extension, hinged shoe D, of spring metal and
15 made in the shape of a loop, mounted at its

end upon the end of the fixed shoe C by a pivot *d* and provided with slots *d' d'* on its edges, adapted to receive the stop pin *c'* of the shoe C and with a central slot *d²* on one edge, adapted to receive the post B and with
20 a knob or teat *d³* on the inner surface of the loop, adapted to engage with the opening or hole *c* of the fixed shoe C, all arranged and operating substantially as shown and for the purpose specified.

CHARLES H. COOKE.

Witnesses:

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