

No. 654,334.

Patented July 24, 1900.

DE VER H. WARNER.
STUD OR BUTTON FOR GARMENT SUPPORTERS.

(Application filed Mar. 23, 1900.)

(No Model.)

Fig. 1,

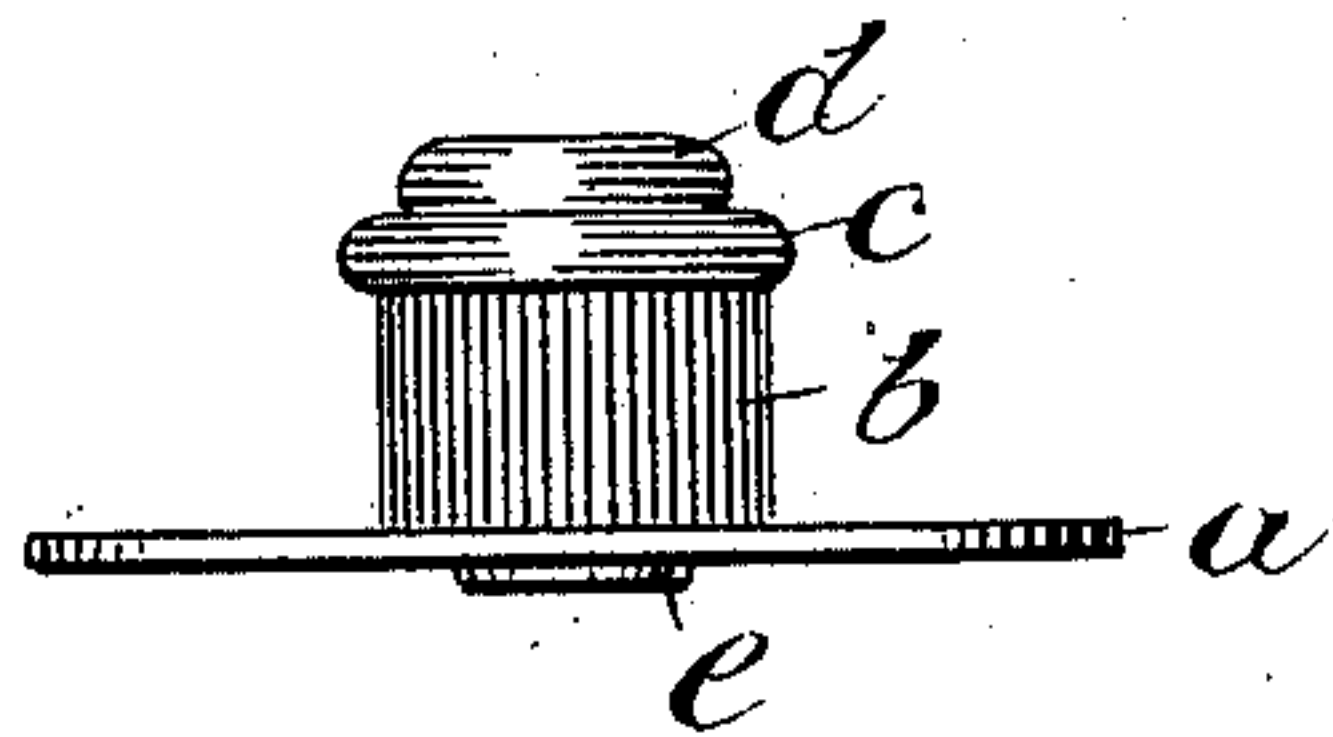


Fig. 2,

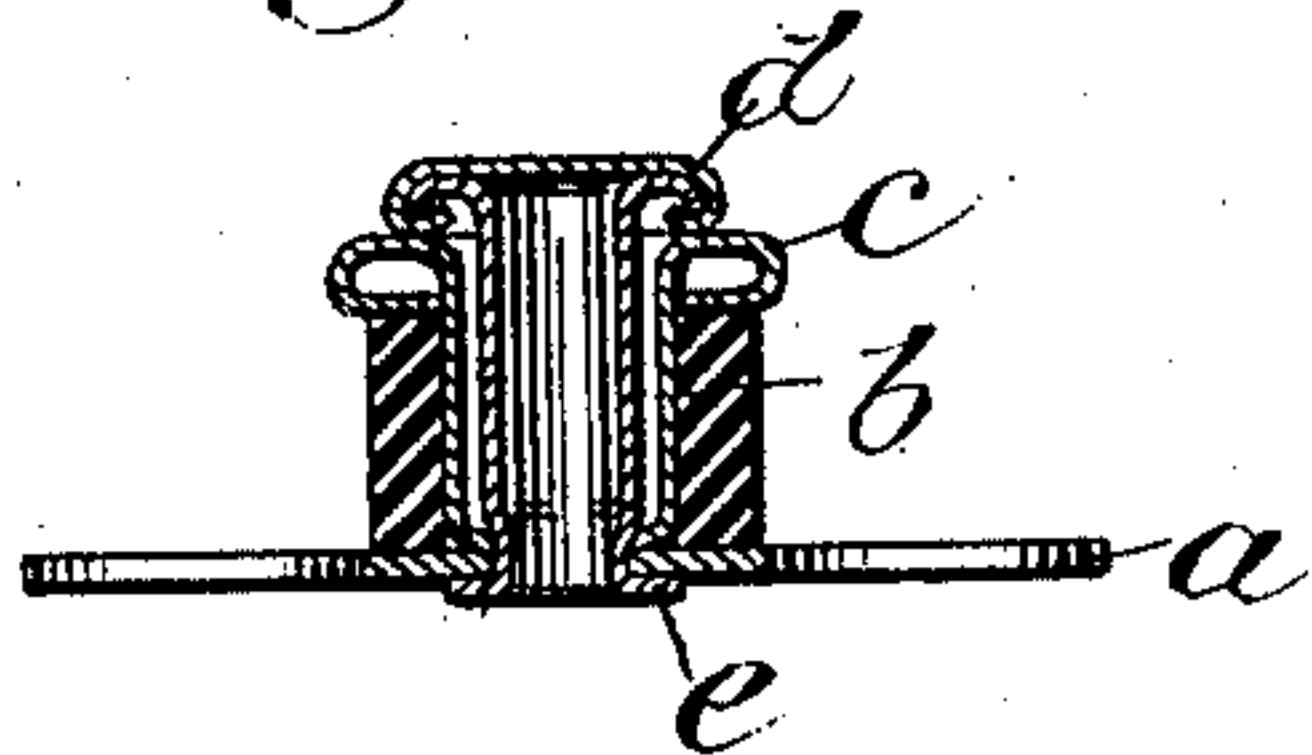
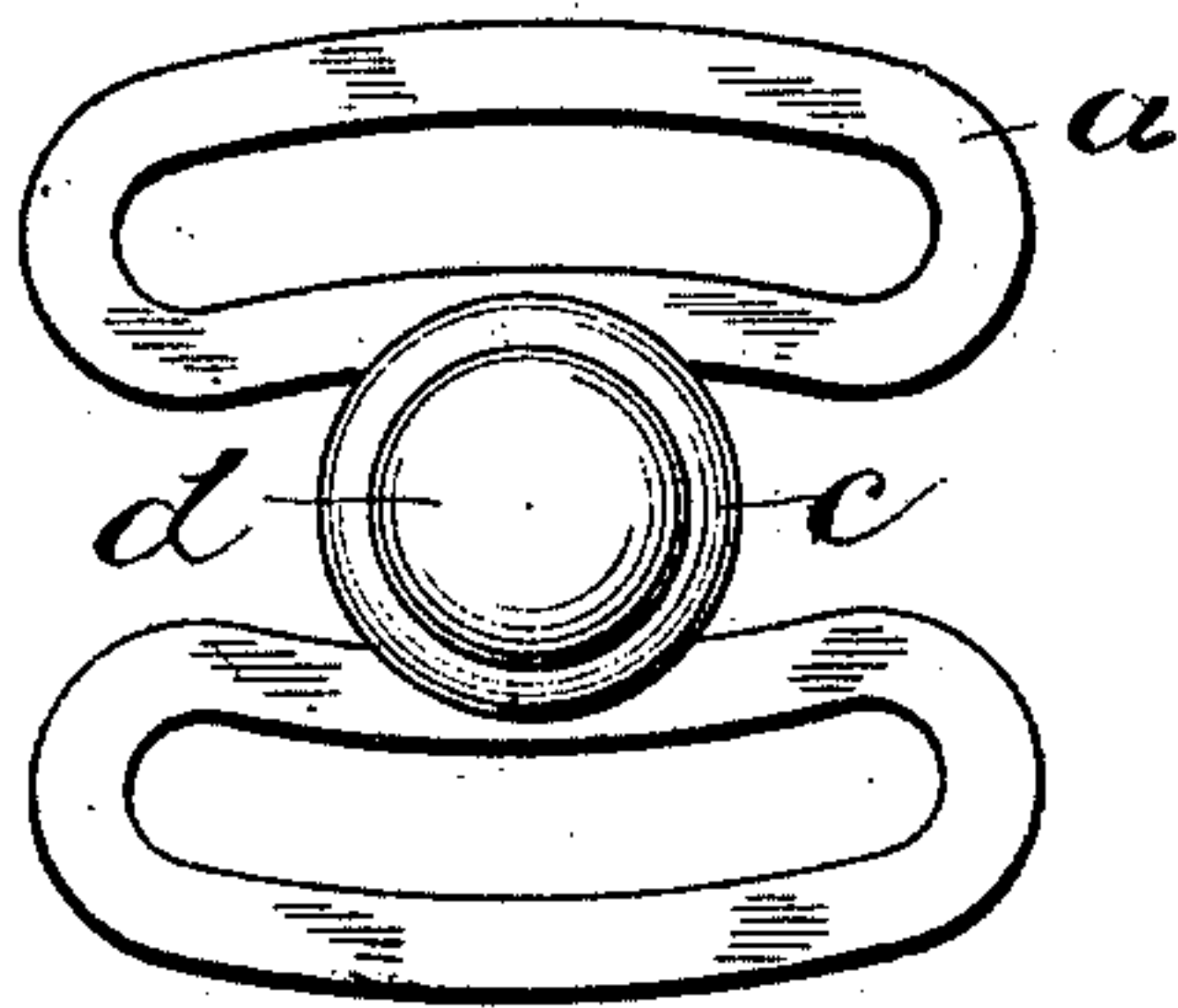


Fig. 3,



WITNESSES:

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UNITED STATES PATENT OFFICE.

DE VER H. WARNER, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE
WARNER BROTHERS COMPANY, OF SAME PLACE.

STUD OR BUTTON FOR GARMENT-SUPPORTERS.

SPECIFICATION forming part of Letters Patent No. 654,334, dated July 24, 1900.

Application filed March 23, 1900. Serial No. 9,835. (No model.)

To all whom it may concern:

Be it known that I, DE VER H. WARNER, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new and useful Improvement in Studs or Buttons for Garment-Supporters, of which the following is a full, clear, and exact specification.

My invention relates to improvements in studs or buttons for garment-supporters of that class in which the stud coacts with a loop in holding the garment, and has for its object the production of a stud which will safely retain the loop, will not cut the garment, and will be cheaper, stronger, and more satisfactory than any heretofore in use. I attain these objects by the arrangement of parts illustrated in the drawings and afterward more fully described.

In the drawings, Figure 1 is a side elevation of a stud embodying my new invention. Fig. 2 is a vertical section of the same, and Fig. 3 a plan view.

Similar letters indicate similar parts throughout the several views.

a is a supporting-plate of the ordinary type used with garment-supporters, although it is obvious that any kind of a plate on which the button may be mounted may be used.

b is a collar, preferably of a yielding material, against which the loop is drawn.

c is a sleeve resting upon plate *a*, both supporting the rivet *d* and keeping in place the collar *b*, while *e* is the upset foot of the rivet, which fastens to the plate *a*, thus holding all the parts together. The sleeve *c* has a rounded rim of greater diameter than either the collar or the rivet, thus forming a seat for the

head of the rivet and a retaining-piece for the collar. The rim of the sleeve is of sufficient diameter to safely retain the loop, while its rounded shape effectually prevents the garment from being torn.

It is obvious that the collar might be dispensed with without departing from the spirit of my invention; but I prefer a collar of some yielding material, as it results in a better-finished and more pleasing article.

The combination of parts described results in a stud or button of great strength and rigidity, qualities greatly to be desired in buttons of the class described.

Having described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a stud or button the combination of a supporting-plate, a rivet and a sleeve through which said rivet is adapted to pass, said sleeve resting on said plate and having a rounded rim at its upper edge of greater diameter than the head of the rivet, substantially as described.

2. In a stud or button the combination of a supporting-plate, a rivet, a sleeve through which said rivet is adapted to pass, said sleeve resting on said plate and having a rounded rim at its upper edge of greater diameter than the head of the rivet, and a collar surrounding said sleeve but of less diameter than the rim thereof, substantially as described.

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

DE VER H. WARNER.

Witnesses:

F. S. ANDREWS,
M. M. WHEATON.