

(No Model.)

C. E. GRANNISS.

GARMENT CLASP.

No. 272,954.

Patented Feb. 27, 1883.

Fig. 1

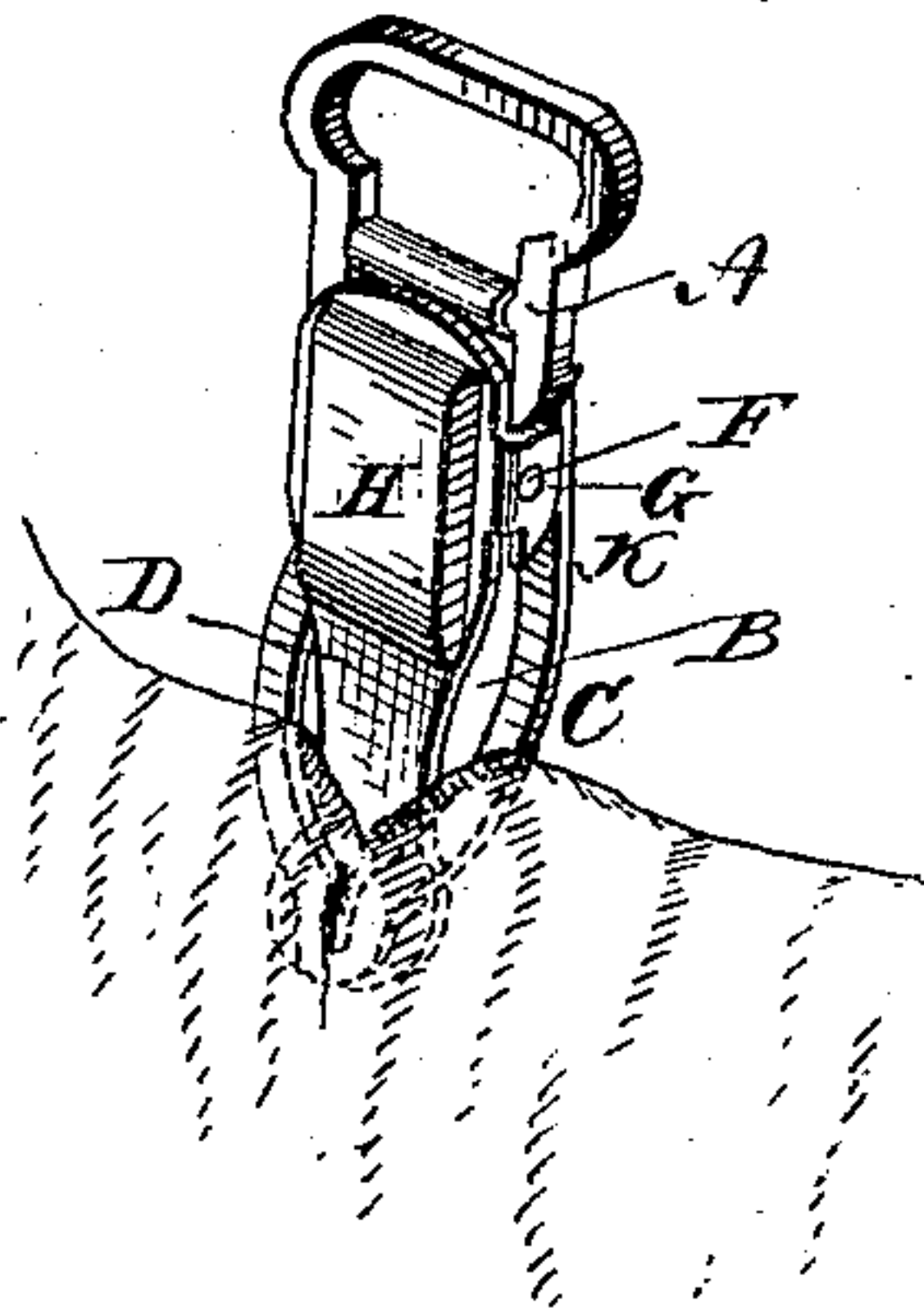


Fig. 2

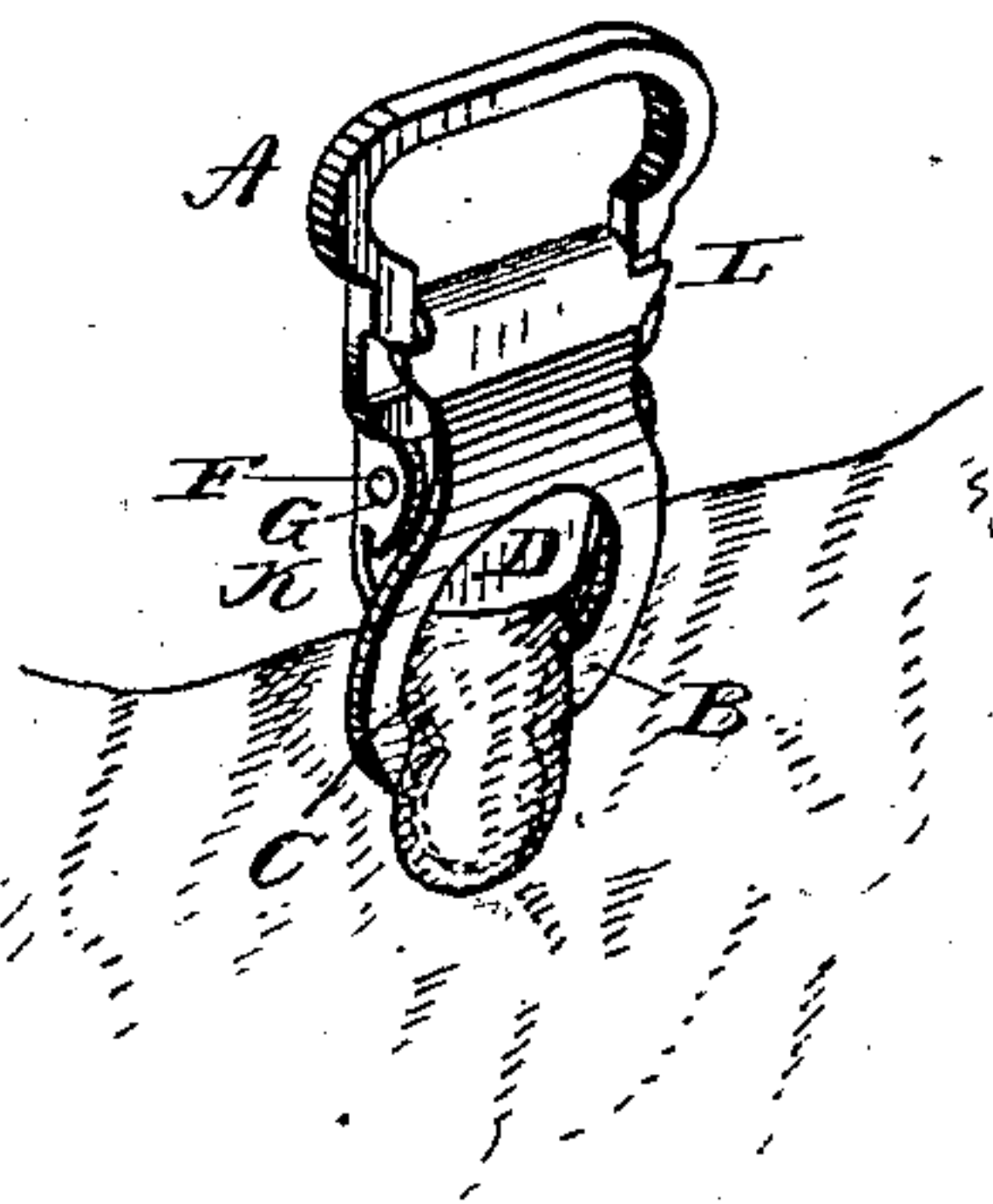


Fig. 3

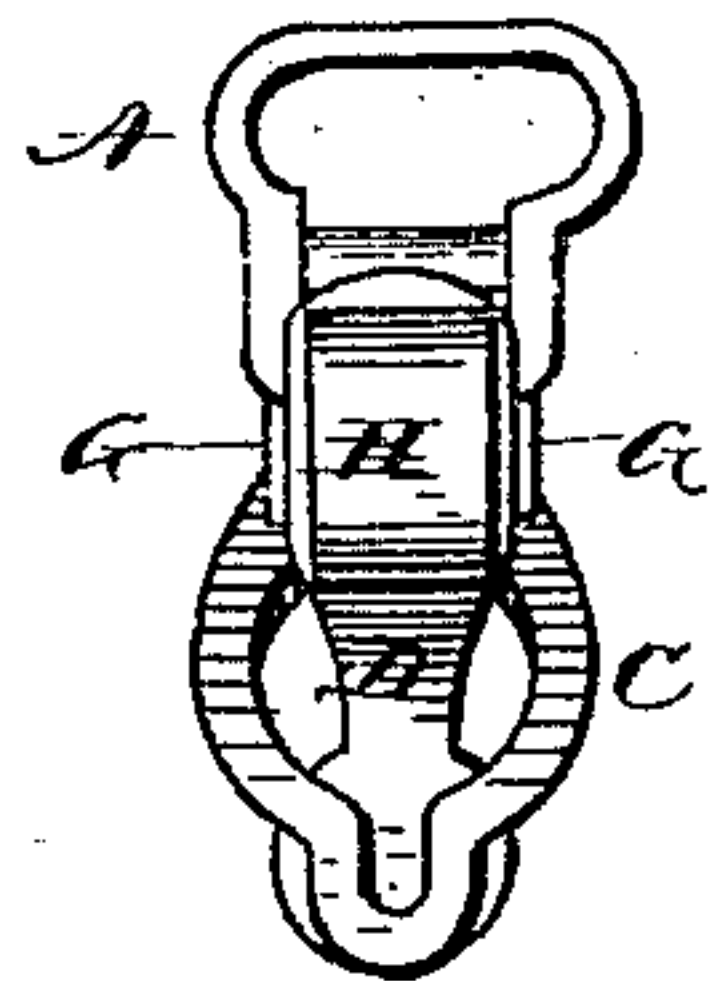


Fig. 4

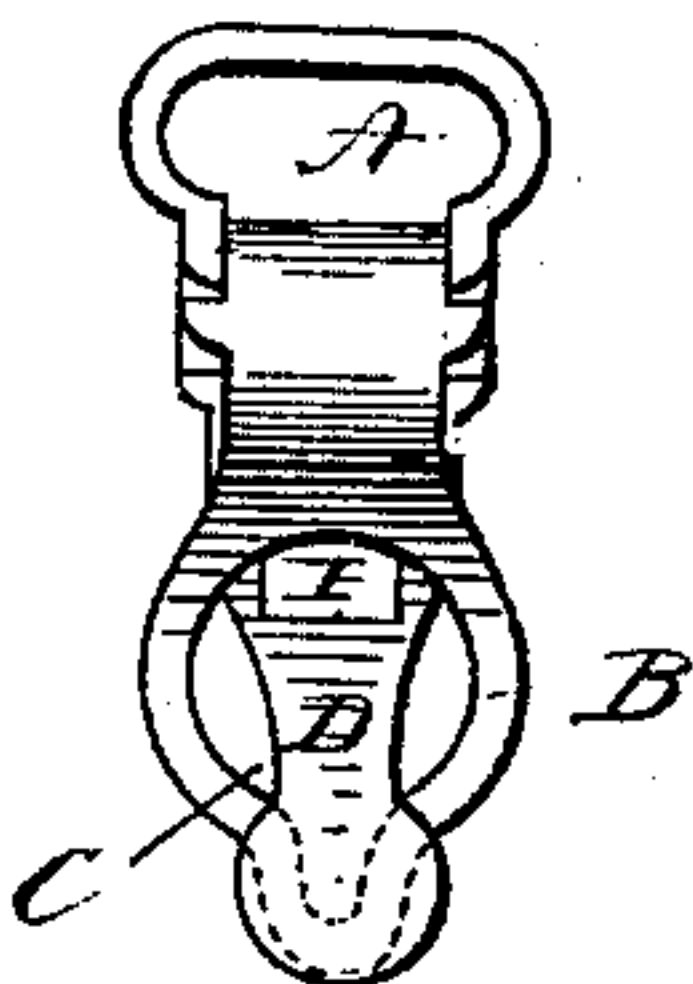


Fig. 5

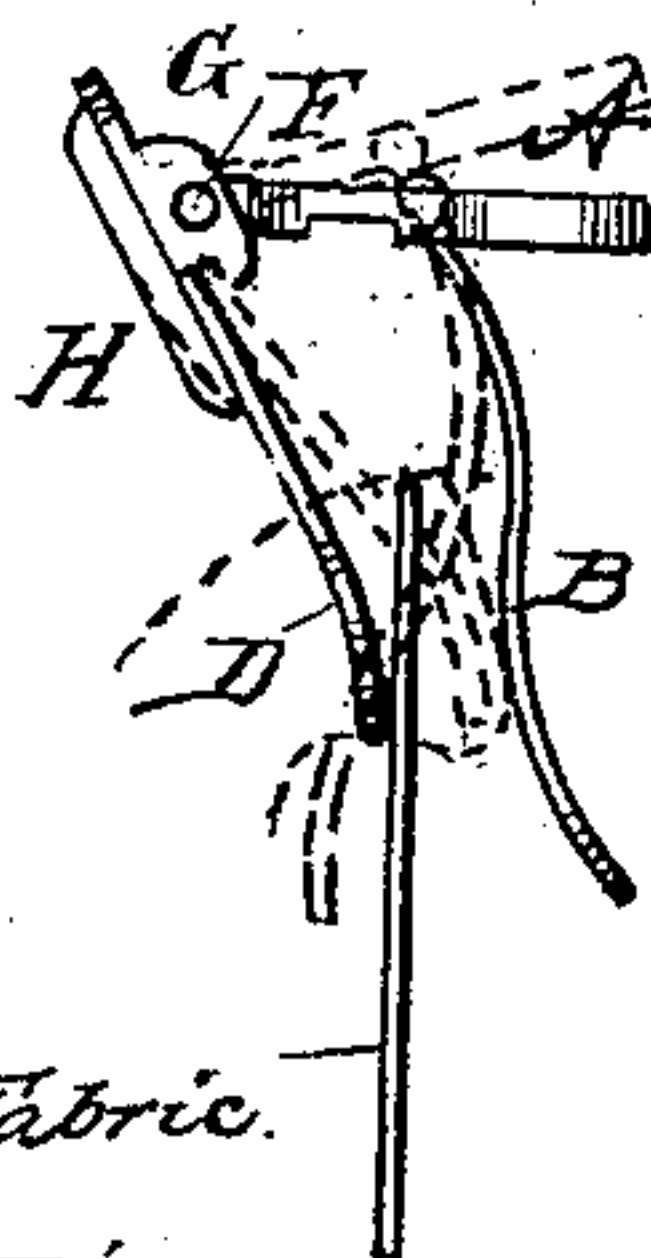


Fig. 6

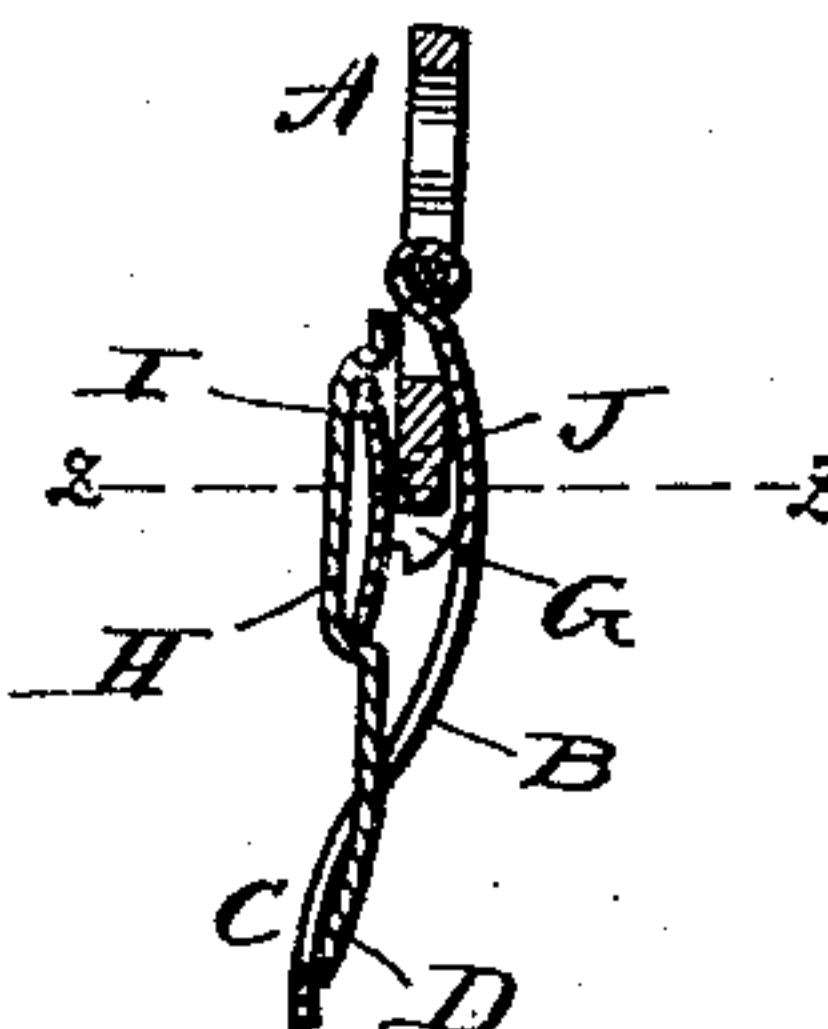
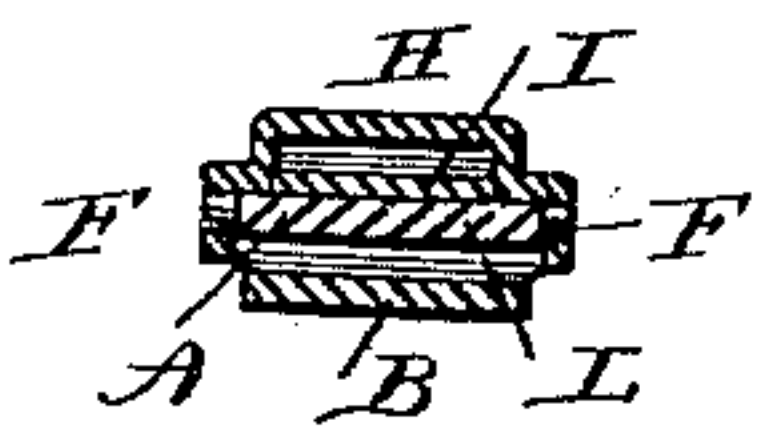


Fig. 7



Fabric.

Fig. 8

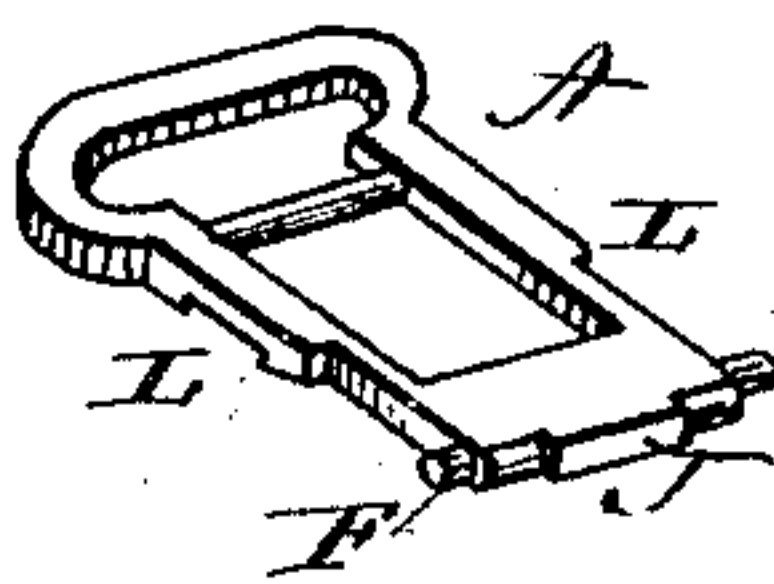


Fig. 10

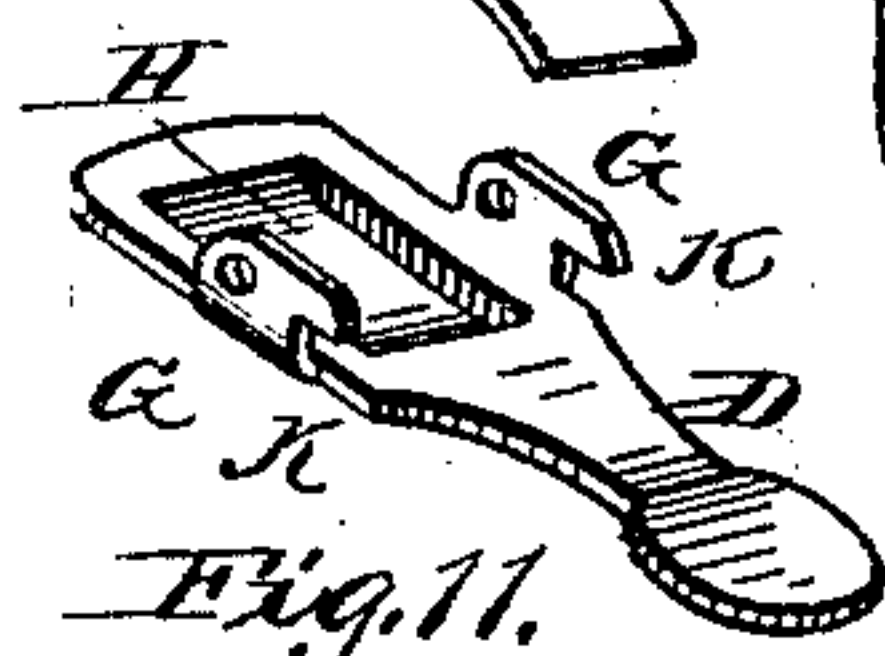


Fig. 9

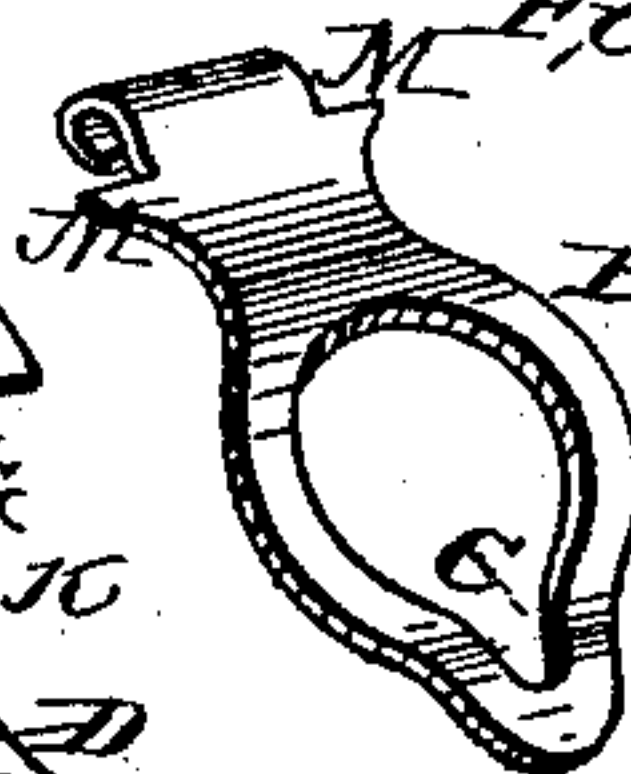


Fig. 11

WITNESSES
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UNITED STATES PATENT OFFICE.

CHARLES E. GRANNISS, OF NEW HAVEN, CONNECTICUT.

GARMENT-CLASP.

SPECIFICATION forming part of Letters Patent No. 272,954, dated February 27, 1883.

Application filed December 28, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. GRANNISS, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Garment-Clasp, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to garment-clasps, and has for its object to provide a simple, durable, inexpensive, and efficient clasp that will securely bind the garment, but that has no teeth to damage the garment it binds, and presents no rough surfaces or projecting edges liable to be engaged by any part of the apparel.

In the drawings, Figure 1 is a perspective view, taken from the front, of my improved clasp, showing it clamped to a garment. Fig. 2 is a like view taken from the rear side. Fig. 3 is a front view of the clasp detached. Fig. 4 is a back view of the same. Fig. 5 is a side view of the clasp, illustrating its mode of operation. Fig. 6 is a longitudinal sectional view. Fig. 7 is a transverse sectional view on the line *z z*, Fig. 6. Figs. 8, 9, 10, and 11 are perspective detail views of the different parts comprising my improved clasp.

Referring to the drawings, A designates an operating-lever, to which the strap or fabric that holds the clasp is to be secured—that is, fulcrumed on the end of a plate, B, that forms one of the clamping-jaws of the clasp. This plate is preferably curved or bowed, as shown, and is provided with an opening, C, near its clamping end, through which the fabric to be clamped is carried, as hereinafter specified.

To the free end of the operating lever A is fulcrumed a lever, D, forming the other clamping-jaw of the clasp. This fulcrum-joint, between the levers A and D, is preferably formed by trunnions F F, projecting from the end of the lever A, and having bearings in ears G G, extending from the lever-jaw D. The fulcrum portion of the said lever-jaw D is formed with a depression forming a recess, H, or with other means for accommodating a spring, I, that is compressed by the engaging end J of the operating-lever A as the clasp is opened or closed. The portion of this end J that engages the spring I is formed straight, as shown, so that when the clasp is open, as shown in Fig. 5, it

will project squarely against the spring and retain the clasp open until power is exerted to close the same. The lever-jaw is retained in position when the clasp is open by extensions K from its ears G, which engage a shoulder, L, at the side of the lever A. This lever A is retained in its position when the clasp is open by reason of its projecting against lateral extensions M on the plate B.

The operation of my improved clasp is as follows: It is first opened to the position shown in Fig. 5 of the drawings, and the plate B and lever-jaw D are passed over the edge of the fabric to be clamped, so that these parts will be on different sides of the latter. The lever A is now operated to push the lever-jaw D through the opening in the jaw B, when by further movement of the said operating-lever A the clasp is closed, and the jaws B and D thereof securely bind the fabric which has been carried through the opening in the jaw B by the end of the lever-jaw. The fabric is thus held, as shown in Figs. 1 and 2 of the drawings, and will not in any way be damaged by the clasp, as there are no teeth nor other engaging edges or serrations that enter the fabric.

I claim as my invention—

1. A garment-clasp comprising in its construction a clamping-plate having an opening near its clamping end, an operating-lever fulcrumed on the other end of the said clamping-plate, and a lever clamping-jaw fulcrumed on the end of the operating-lever and governed by the same, as set forth.

2. As an improvement in garment-clasps, the combination of a clamping-plate having an unobstructed opening near its clamping end, an operating-lever fulcrumed on the said clamping-plate, and a lever clamping-jaw fulcrumed on the end of the operating-lever, and carrying a spring that exerts its tension on the latter, as set forth.

3. As an improvement in garment-clasps, the combination of a clamping-plate having an unobstructed opening near its clamping end and provided with lateral extensions near its rear end, an operating-lever fulcrumed to the rear end of the said plate and provided with side shoulders and trunnions near its free end, a lever clamping-jaw having ears that are journaled on said trunnions and are arranged to

engage the said shoulders, and a spring arranged on the under side of the lever-jaw and acting on the operating-lever, as set forth.

5 4. In a garment-clasp, the combination, with an operating-lever having a straight edge, of a clamping-jaw lever fulcrumed to the said straight edge, and carrying a spring on its under side which acts on the said straight edge of the operating-lever, as set forth.

In testimony that I claim the foregoing as 10 my own I have hereto affixed my signature in presence of two witnesses.

CHARLES E. GRANNISS.

Witnesses:

JAMES H. WEBB,
CHARLES L. SWAN, Jr.