

D. L. SMITH.

CLASP.

(Application filed Apr. 22, 1901.)

(No Model.)

Fig. 1

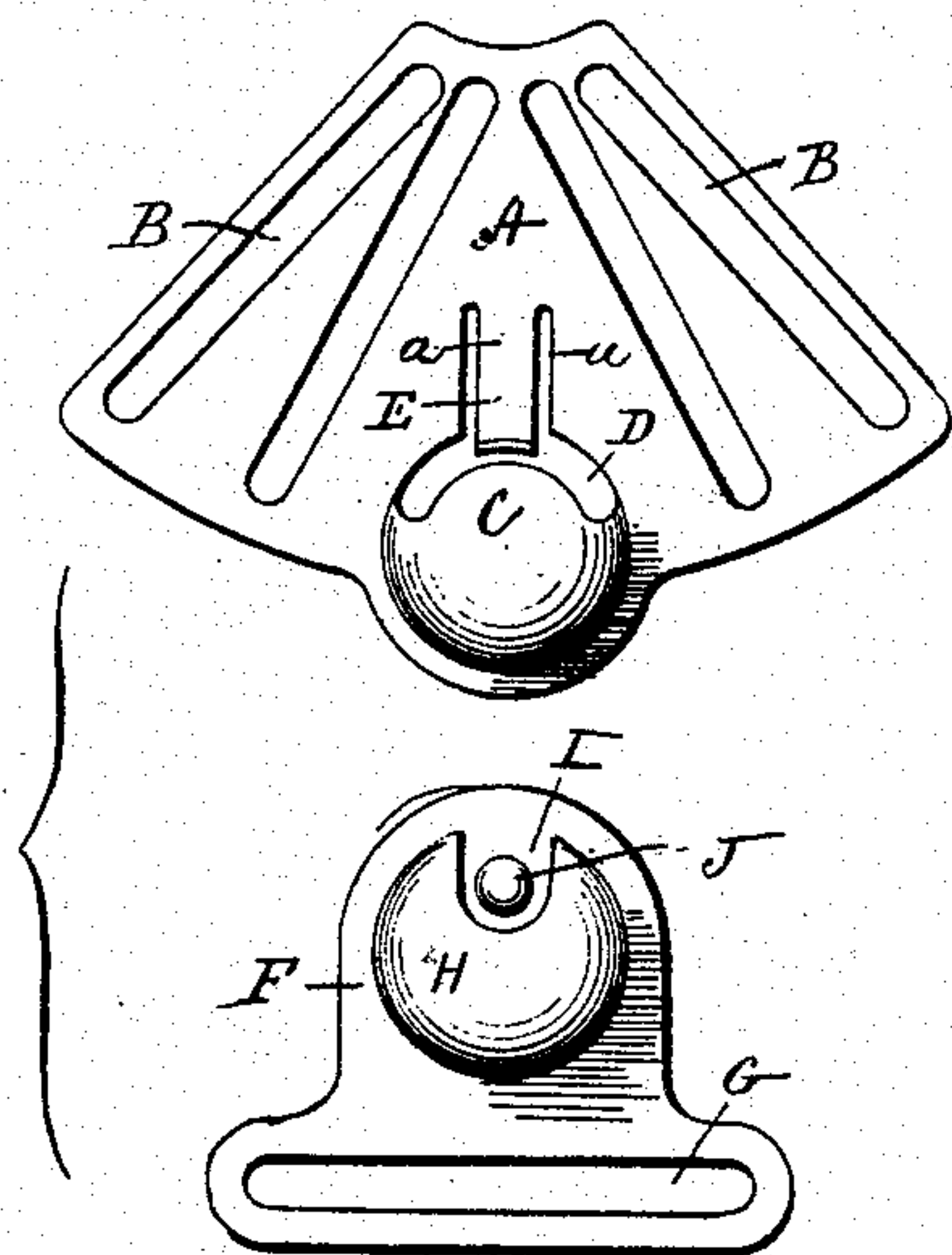


Fig. 2

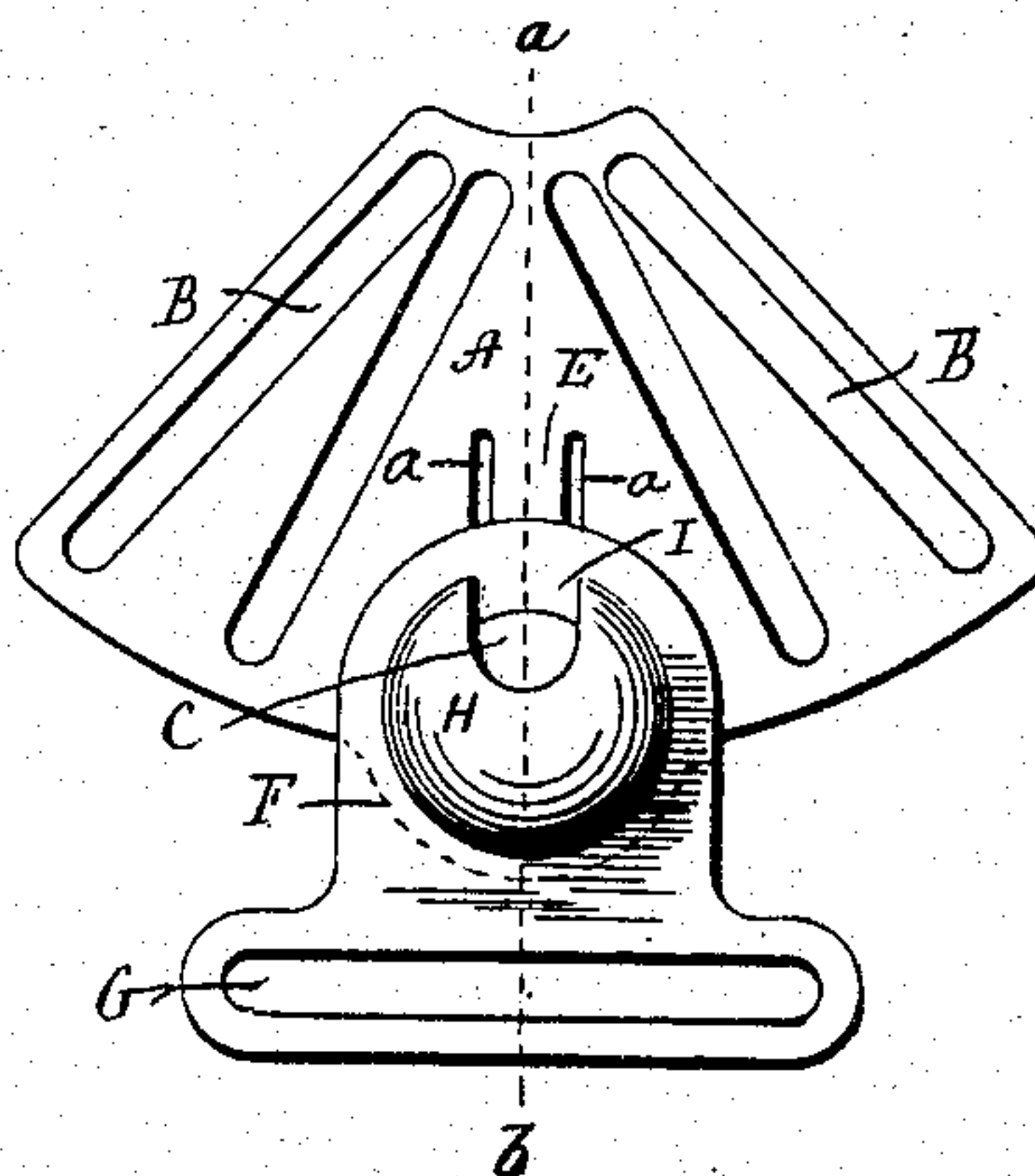
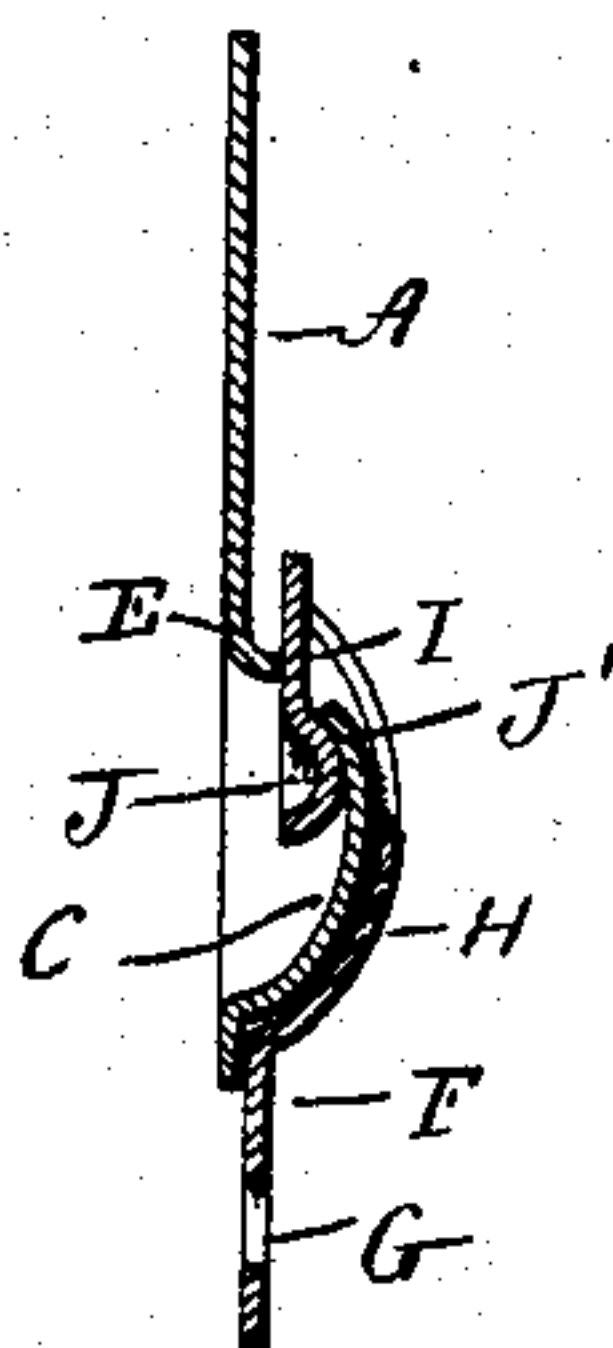


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

DWIGHT L. SMITH, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE
WATERBURY BUCKLE CO., OF SAME PLACE.

CLASP.

SPECIFICATION forming part of Letters Patent No. 675,170, dated May 28, 1901.

Application filed April 22, 1901. Serial No. 56,910. (No model.)

To all whom it may concern:

Be it known that I, DWIGHT L. SMITH, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new
5 Improvement in Clasps; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and
10 which said drawings constitute part of this specification, and represent, in—

Figure 1, a plan or face view of a clasp constructed in accordance with my invention, showing the two members separated; Fig. 2, a
15 similar view with the parts connected; Fig. 3, a sectional view on the line *a b* of Fig. 2.

This invention relates to an improvement in clasps, and particularly to clasps adapted for hose-supporters, and is an improvement
20 on the clasp for which Letters Patent of the United States No. 513,094 were granted January 23, 1894, to William B. Draper. The clasp shown and described in that patent comprised a plate having a circular projection
25 struck up from it and having a slit near the base of the projection, which was adapted to coact with a second plate which had a circular recess formed in it corresponding to the
30 circular projection on the other plate and a finger adapted to pass beneath the projection on the first plate; but the members of such a clasp are liable to accidental separation.

The object of this invention is to prevent such accidental separation; and it consists in
35 forming the main plate with a spring-tongue adapted to hold the two members in close engagement with each other and as more fully hereinafter described.

As herein shown, the plate A is substantially like the plate of the patent referred to and is provided with one of more slots B, by which the straps are secured. In the plate is a circular projection C, having a convex outer face, and at the base of said circular
45 projection is a slot D. Slits *a a* are made in the plate, forming a spring-tongue E, the end of which extends into the slot D. The other member of the clasp is substantially the same as in the patent referred to and consists of
50 a plate F, provided with one or more slots G for the attachment of a strap or other device,

and in this plate is a circular recess H, corresponding to and adapted to receive the projection C. At one side of the recess H is a finger I, which extends inward into the recess
55 in the plane of the plate F and is formed at its end with a slight indentation J. The finger is adapted to enter the slot D and is narrower than the length of the slot, so that the parts may be turned one upon the other, the
60 indentation J forming a point J', which bears against the inner face of the projection C, as shown in Fig. 3. In uniting the parts the finger I passes through the slot D, over the spring-tongue E, and beneath the projection C, and
65 the end of the spring-tongue bears against the under face of the finger and holds it in engagement with the projection C, but readily yields to permit the parts to be separated when
70 desired.

It is apparent that instead of forming the spring-tongue as an integral part of the plate A it may be formed independently and riveted to the plate, so as to project into the slot D in substantially the same manner as though
75 it were formed with a single piece.

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

1. The herein-described clasp comprising a
80 plate having a circular projection and a slot at the base thereof, a spring, the end of which extends into said slot, and a second plate having a circular recess corresponding to the projection of the first plate, and formed with a finger
85 extending into said recess, substantially as described.

2. The herein-described clasp comprising a plate having a circular projection and a slot
90 at the base thereof, a spring formed integral with said plate and extending into the said slot, and a second plate having a circular recess corresponding to the projection of the first plate, and formed with a finger extending into said recess, substantially as described.
95

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

DWIGHT L. SMITH.

Witnesses:

C. H. HART,
M. E. MINTIE.