

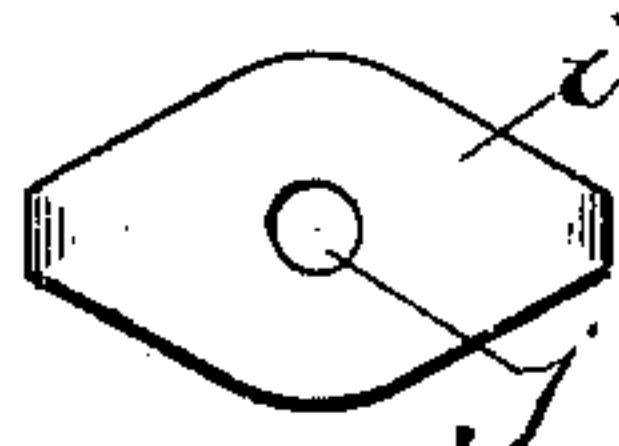
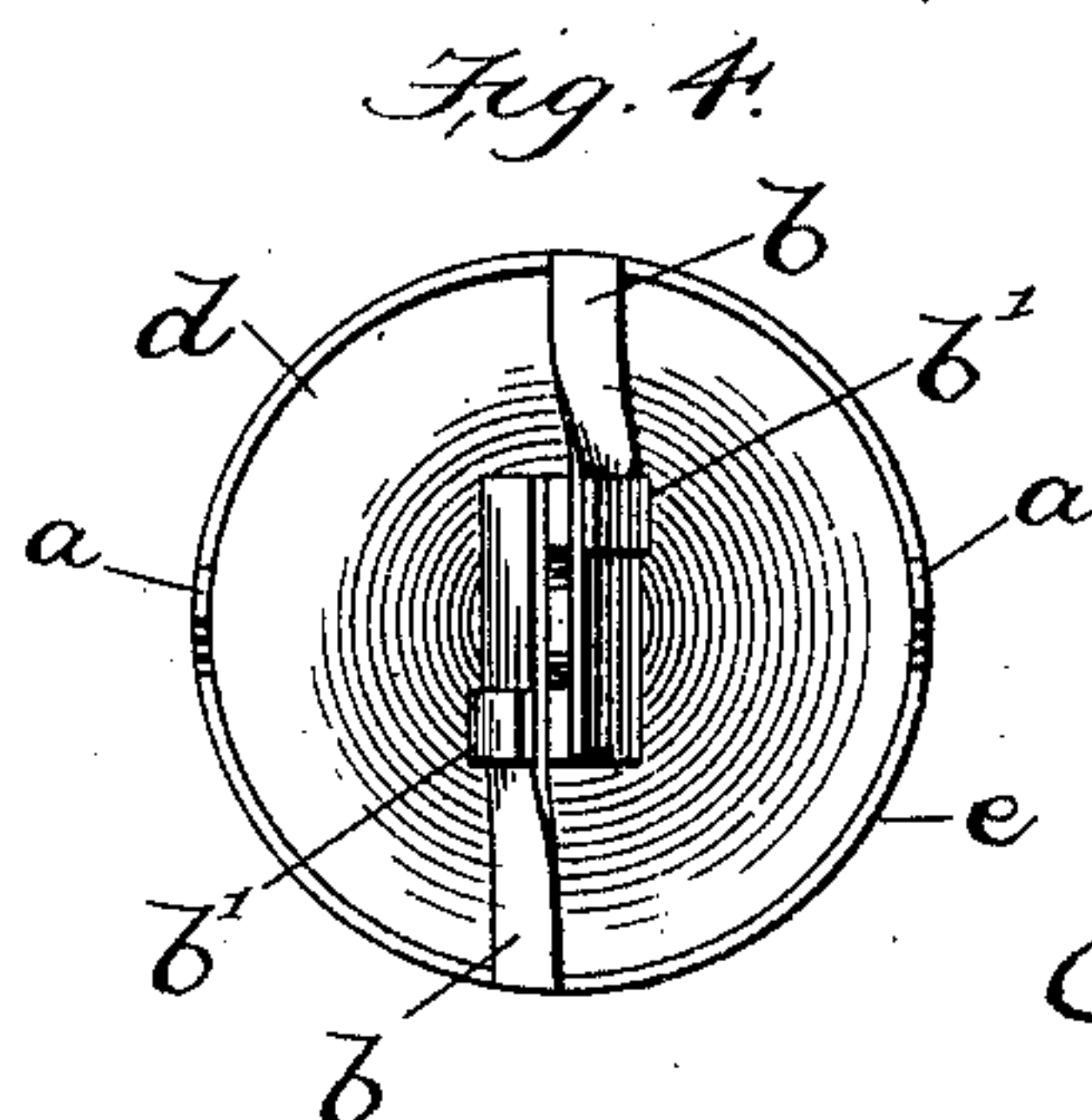
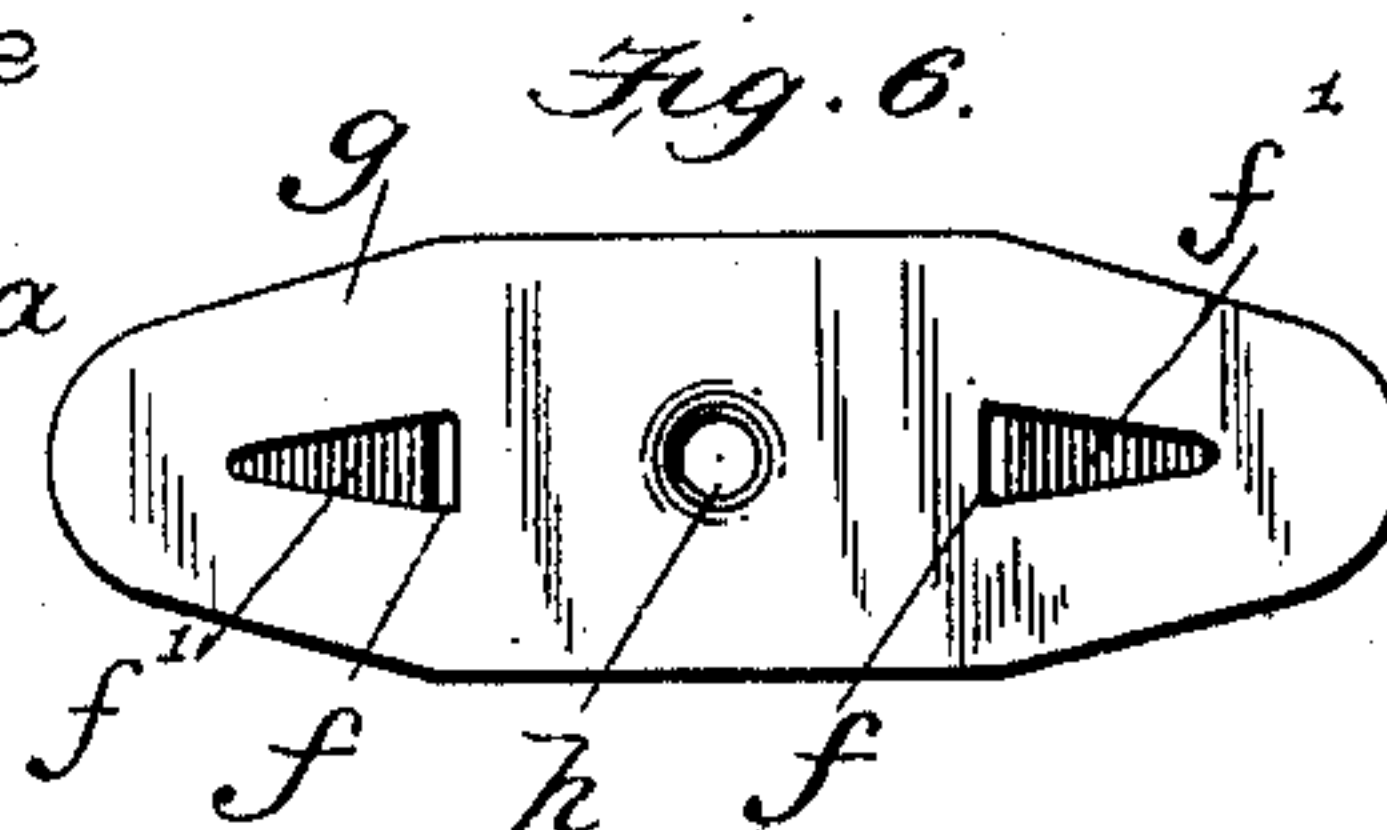
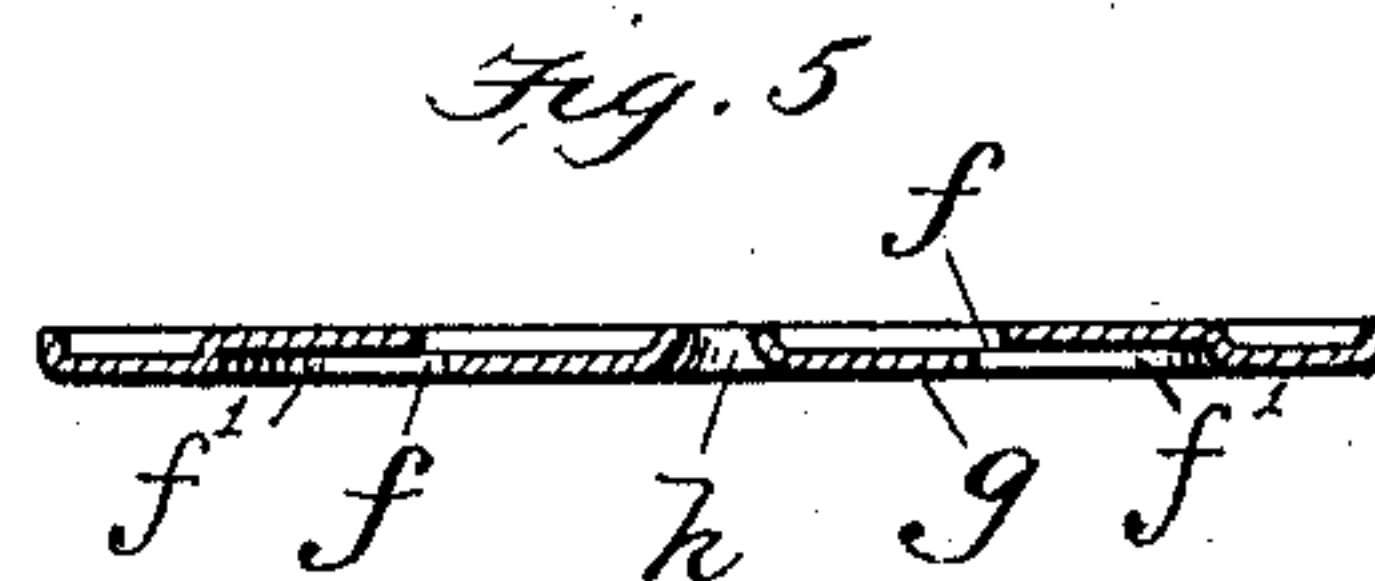
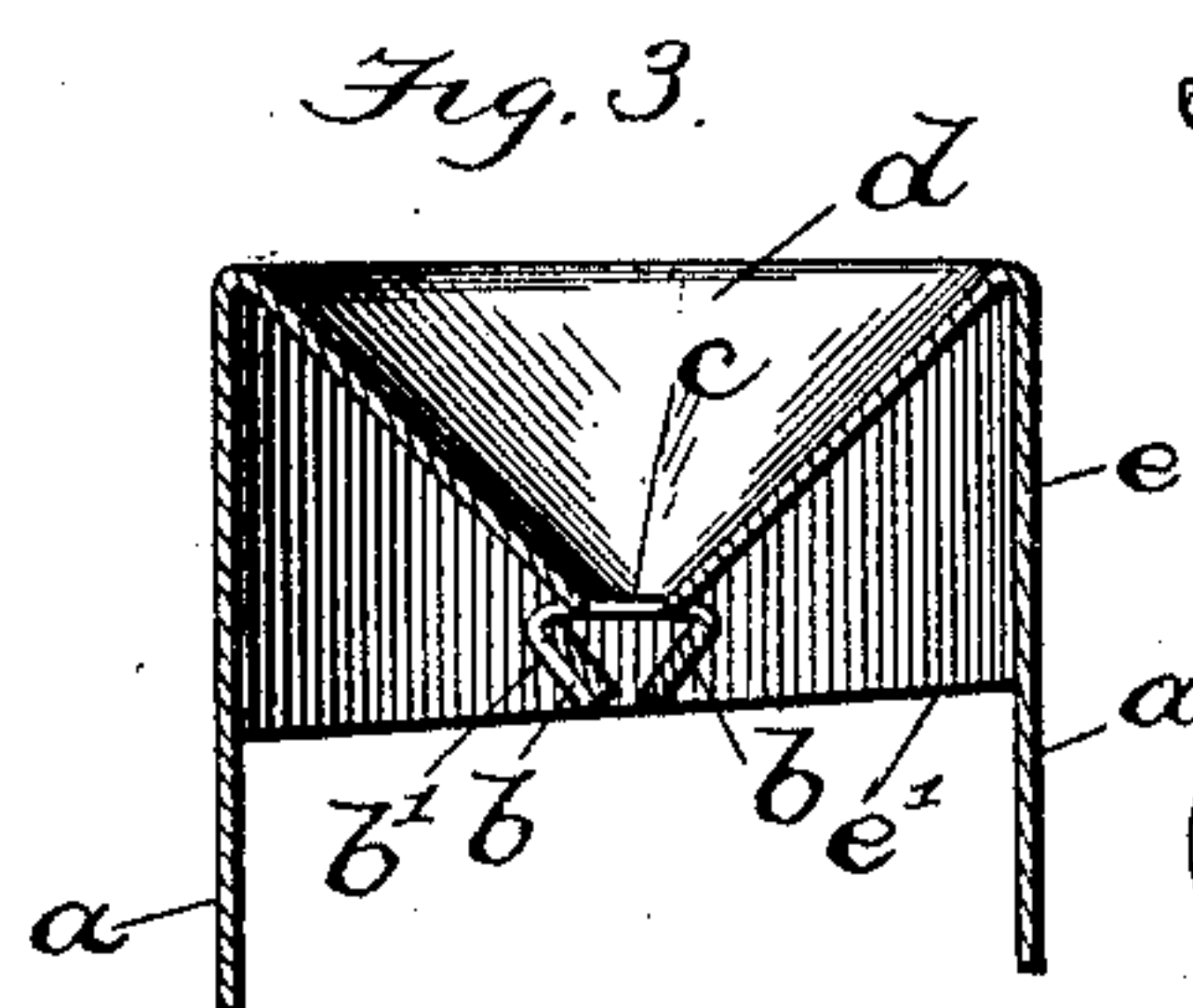
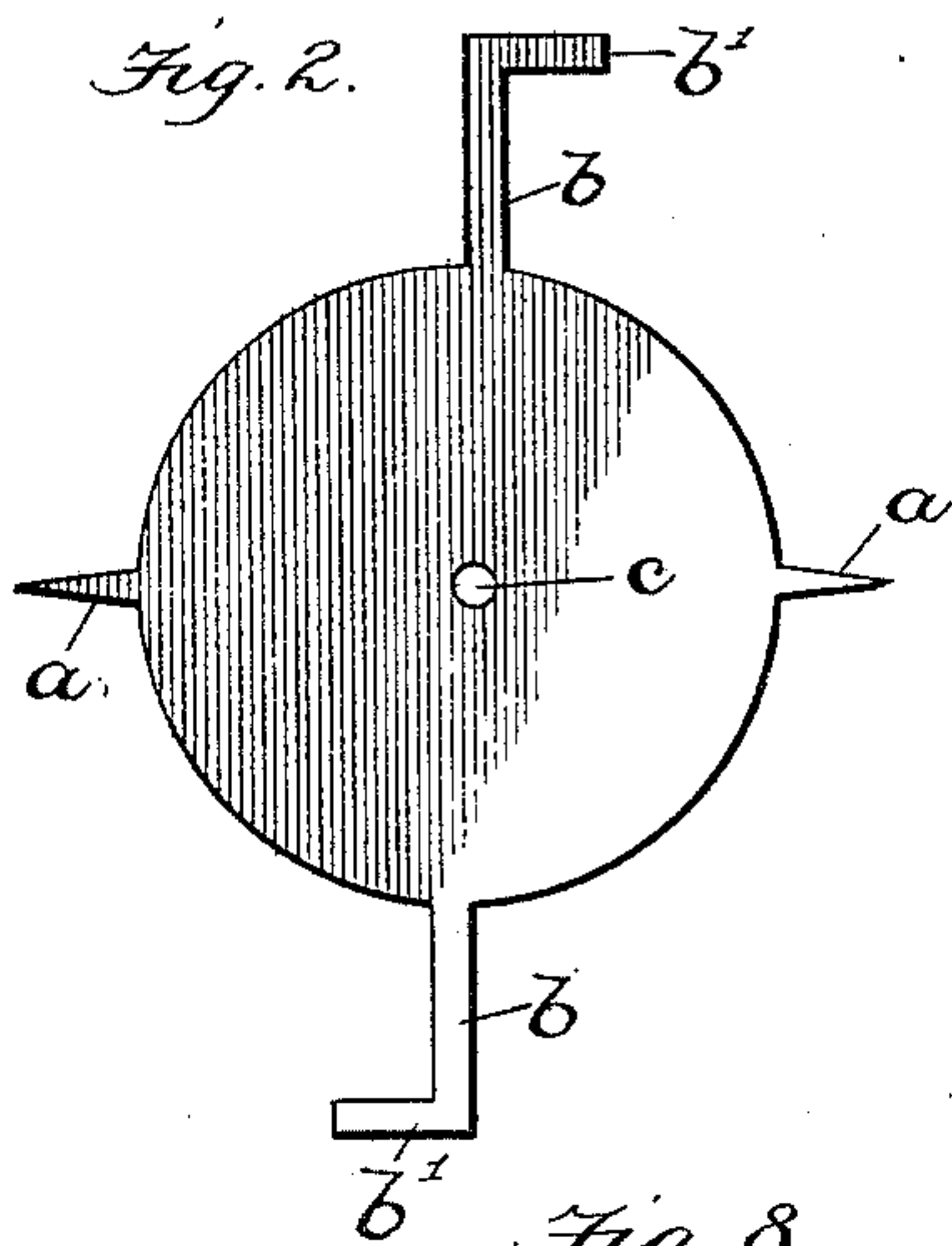
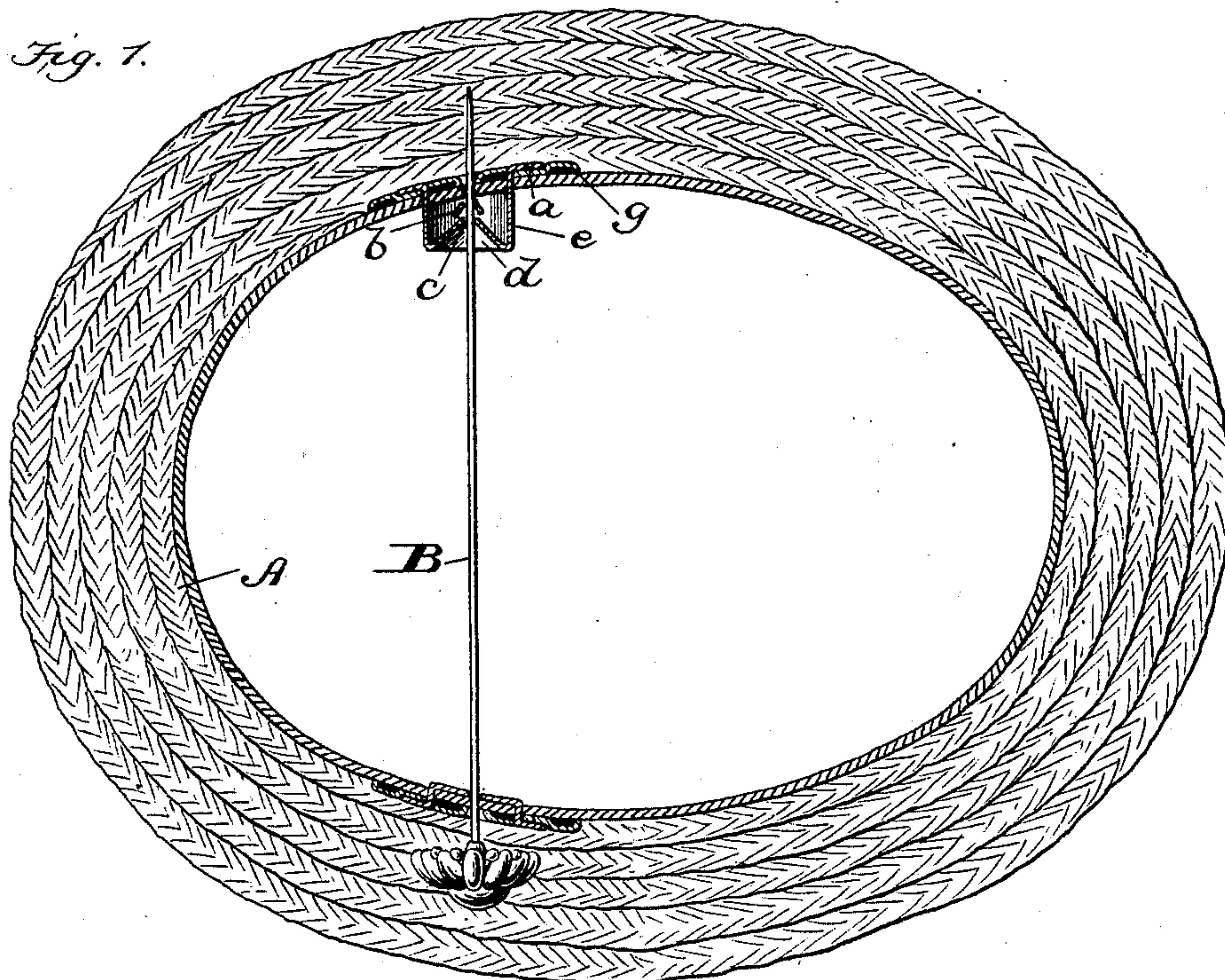
No. 711,364.

Patented Oct. 14, 1902.

C. E. STUBBS.
HAT PIN RETAINER.

(Application filed Mar. 28, 1902.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

CLARENCE E. STUBBS, OF BALTIMORE, MARYLAND.

HAT-PIN RETAINER.

SPECIFICATION forming part of Letters Patent No. 711,364, dated October 14, 1902.

Application filed March 28, 1902. Serial No. 100,370. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE E. STUBBS, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in a Combined Hat-Pin Guide and Fastener, of which the following is a specification.

This invention is an improved device for guiding a hat-pin through a hat and fastening the pin in place, whereby the defacement of the hat occasioned by numerous punctures will be prevented and whereby the pin will be prevented from becoming disengaged from the hat.

The invention consists of certain constructions and combinations of the parts hereinafter fully described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a horizontal sectional view of a hat provided with the improved hat-pin guide and fastener of my invention. Fig. 2 is a face view of the sheet-metal blank of which the combined guide and fastener is made. Fig. 3 is a vertical transverse sectional view of the device in its completed form. Fig. 4 is a bottom plan view of the same. Fig. 5 is a longitudinal sectional view of a retainer-plate employed in connection with the combined guide and fastener. Fig. 6 is a top plan view of said retainer-plate. Fig. 7 is a side edge view of a guide-plate for that side of the hat which the pin is intended to first enter. Fig. 8 is a top plan view of said guide-plate.

The combined hat-pin guide and fastener of my invention is formed in the present instance from a blank, which, as shown in Fig. 2, is a sheet-metal disk provided with two diametrically opposite pointed tangs *a*, and also provided at points on its circumference half-way between said tangs with two diametrically opposite clamp-arms *b*, which are slightly out of alinement with each other and which are provided at their ends with laterally-offset fingers *b'*, extending in opposite directions. The said disk is further provided with an aperture *c*, located slightly to one side of the center. The circular or disk portion of the said blank (shown in Fig. 2) is drawn or bent by any suitable tool or ma-

chine to the shape illustrated in Fig. 3, so as to have a funnel-shaped guide portion *d*, whose walls concentrically surround the said aperture *c*, and a cylindrical skirt *e*, which latter incloses the funnel-shaped guide portion and has one portion of its wall shorter than the opposite portion, (indicated by the slanting line *e'*,) owing to the fact that the aperture *c* is eccentric in the blank, but is concentric in the funnel-shaped guide portion. The two diametrically opposite tangs *a* extend in alinement with the walls of the skirt *e*, and the clamp-arms *b* are extended inwardly toward each other in the same horizontal plane, so as to overlap across the aperture *c*, as shown in Fig. 4, and are twisted slightly in an axial direction, and the lateral finger at the end of each arm takes around the other arm, whereby to bind the said two arms together to form a pin-clamp extending across the aperture *c*.

The combined hat-pin guide and fastener thus formed is secured on the inside of the hat *A*, at one side thereof, by having its pointed tangs *a* pierce the material of the hat, and on the outside of the hat said tangs pass through slots *f* in a retainer-plate *g*, located on the outer side of the hat, as indicated in Fig. 1, said slots being formed, preferably, by punching the metal in the operation of stamping out said plate, as indicated in Figs. 5 and 6, so as to produce V-shaped depressions *f'*, corresponding to the shape of the pointed tangs *a*. The said tangs, after they pass through said slots, are bent down into the said depressions *f'*, thereby securely attaching the guide and fastener to the hat. The tangs *a* lie in the depressions *f'* and are flush with the outer face of the retainer-plate, thereby rendering said face practically smooth, as indicated in Fig. 1. The retainer-plate *g* is provided with an aperture *h* in alinement with the guide-aperture *c*.

The guide and fastener is intended to be secured to that side of the hat which the hat-pin *B* last enters, and to the other side of the hat and on the inside thereof is secured a guide-plate *i*, (shown in detail in Figs. 7 and 8,) said guide-plate being provided with an aperture *j* and tangs *k*, which latter are intended to pierce the hat and to pass through

slots in a retainer-plate similar to that described for the guide and fastener, as illustrated in Fig. 1.

As it is customary to insert the hat-pin through the hat at points back of the middle of the hat, both the combined guide and fastener and the guide-plate *i* are attached to the hat at points back of the middle thereof, and for this reason the cylindrical skirt *e* of the guide and fastener has the slanting edge *e'*, heretofore described, so that when said edge lies against the curved inner wall of the hat, at one side thereof, as indicated in Fig. 1, the funnel-shaped guide *d* will extend in proper position to receive the pin entering from the other side of the hat.

In practice the wearer inserts the point end of the hat-pin through the guide-plate *i* before putting on the hat, and then she places the hat upon her head and thrusts the pin through her hair. Her experience will enable her to direct the point end of the hat-pin with sufficient accuracy for it to impinge upon some portion of the inclined wall of the funnel-shaped guide portion *d*, and the latter will then direct the said point end to the guide-aperture *c*, whereby it will pass through said aperture and also between the two bound-together clamp-arms *b*, and said clamp-arms will act with a spring-grip action upon the point end of the hat-pin, securely holding the hat-pin, so as to prevent the accidental withdrawal of the same.

While the guide-plate *i* and retainer-plates *g* serve to increase the efficiency and durability of the device, they may be dispensed with, if desired, and other changes also may be made in the details of construction without departing from the scope of the invention as defined in the appended claims.

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

1. A device for the purpose described, provided with a funnel-shaped portion adapted to be attached to a hat and having a guide-aperture for a hat-pin, and said device also provided with two clamp-arms extending across said aperture and one clamp-arm provided with a lateral finger secured to the other clamp-arm.

2. A device for the purpose described, comprising a funnel-shaped guide portion having a guide-aperture for a hat-pin; and a skirt integral with and surrounding said guide portion and provided with two clamp-arms extending from its edge across said guide-aperture, as set forth.

3. A device for the purpose described, provided with a funnel-shaped portion adapted to be attached to a hat and having a guide-aperture to receive a hat-pin, and said device also provided with two clamp-arms overlapping each other across said aperture, each of said clamp-arms being provided at its end with a finger secured to the other clamp-arm, substantially as set forth.

4. A device for the purpose described, provided with a funnel-shaped portion adapted to be attached to a hat and having a guide-aperture to receive a hat-pin, and said device also provided with two clamp-arms overlapping each other across said aperture, each of said clamp-arms being twisted axially and provided at its end with a lateral finger taking around the other clamp-arm, as set forth.

5. A device for the purpose described, comprising a funnel-shaped guide portion having a guide-aperture for a hat-pin; and a skirt surrounding said funnel-shaped portion and provided with tangs projecting from its edge and also provided with clamp-arms projecting from diametrical points in its edge, said clamp-arms extending toward each other and overlapping across said aperture and each clamp-arm provided at its end with a lateral finger taking around the other clamp-arm, as set forth.

6. A device for the purpose described, comprising a funnel-shaped guide portion having a guide-aperture; and a cylindrical skirt surrounding said guide portion and having a slanting edge adapted to lie against the inner side of the hat, as and for the purpose set forth.

In testimony whereof I affix my signature in the presence of two witnesses.

CLARENCE E. STUBBS.

Witnesses:

CHARLES L. VIETSCH,
FREDERICK S. STITT.