

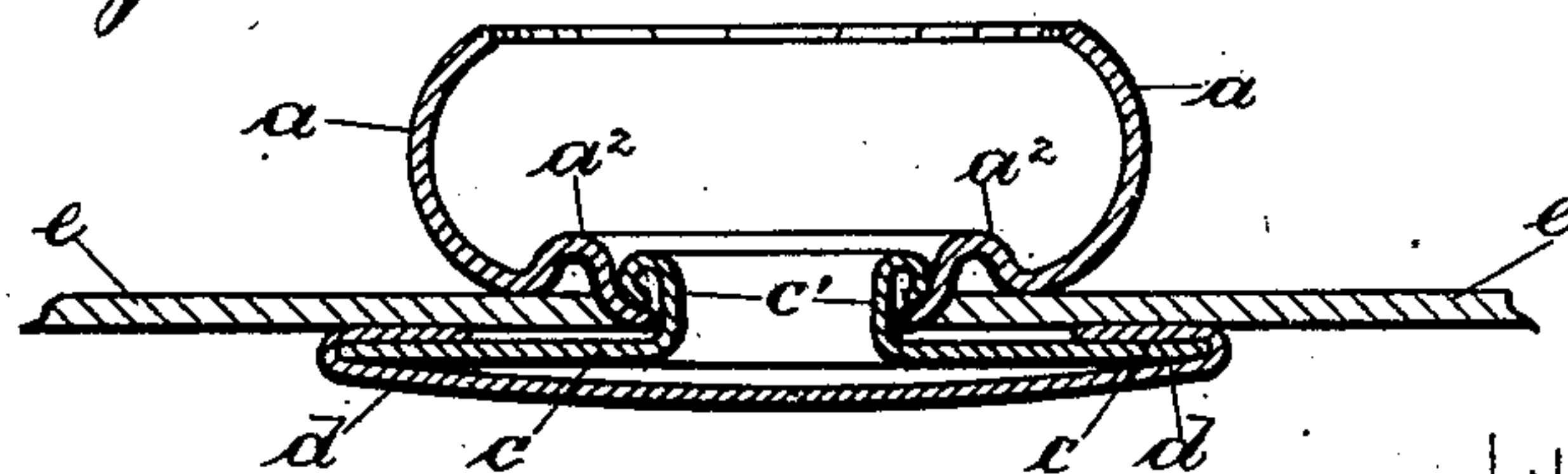
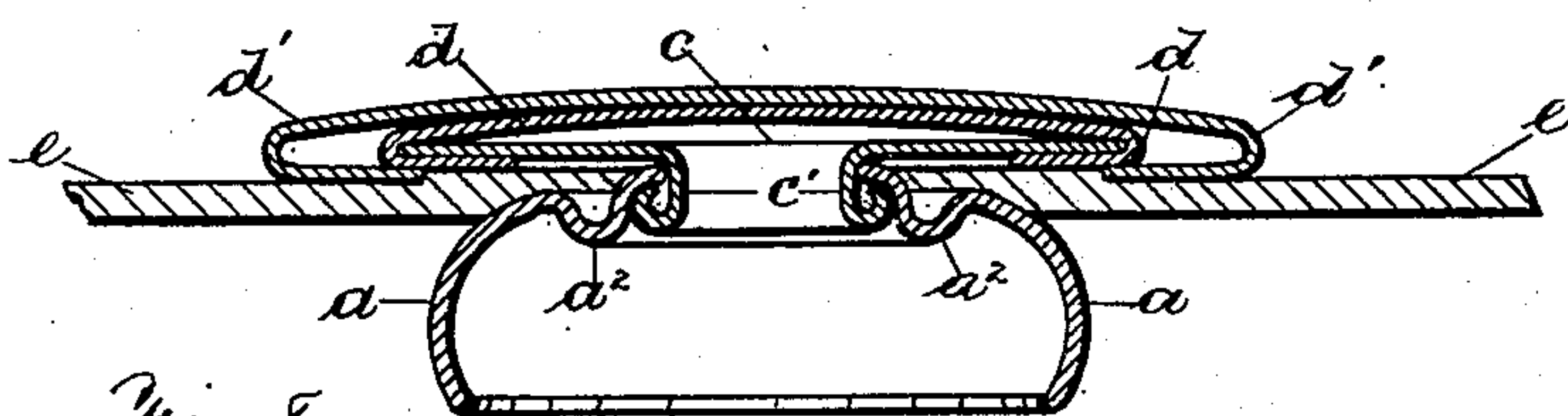
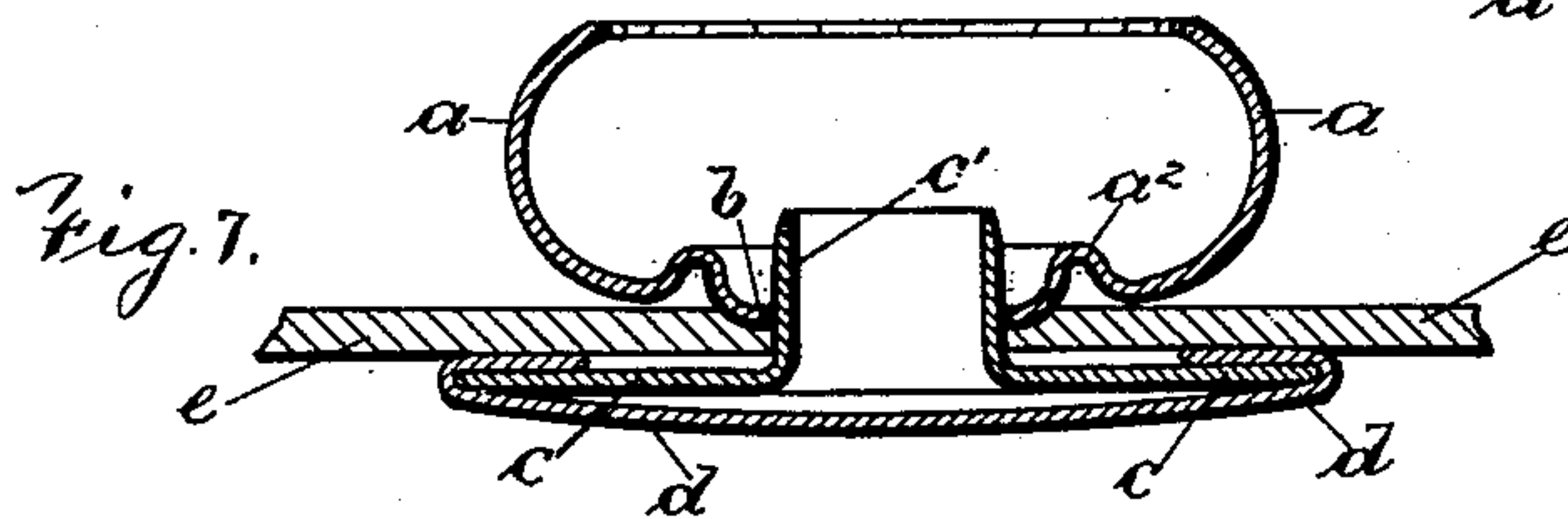
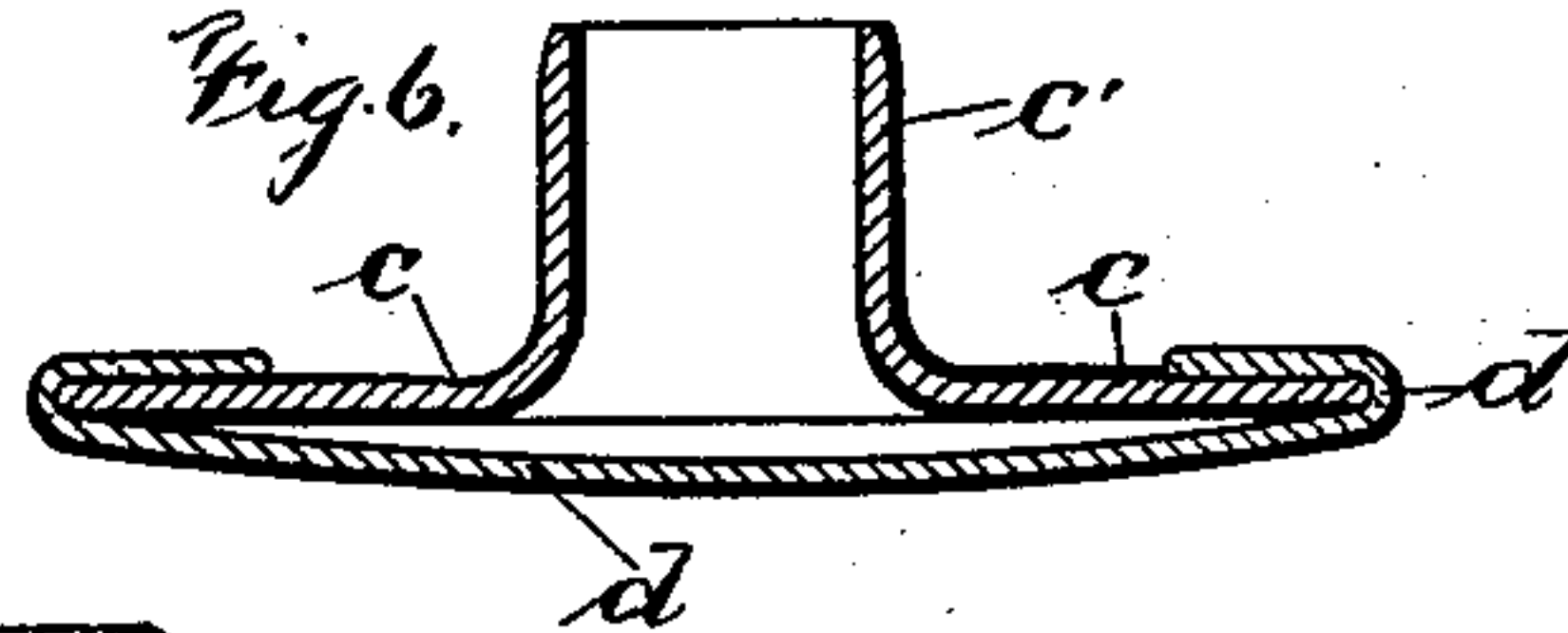
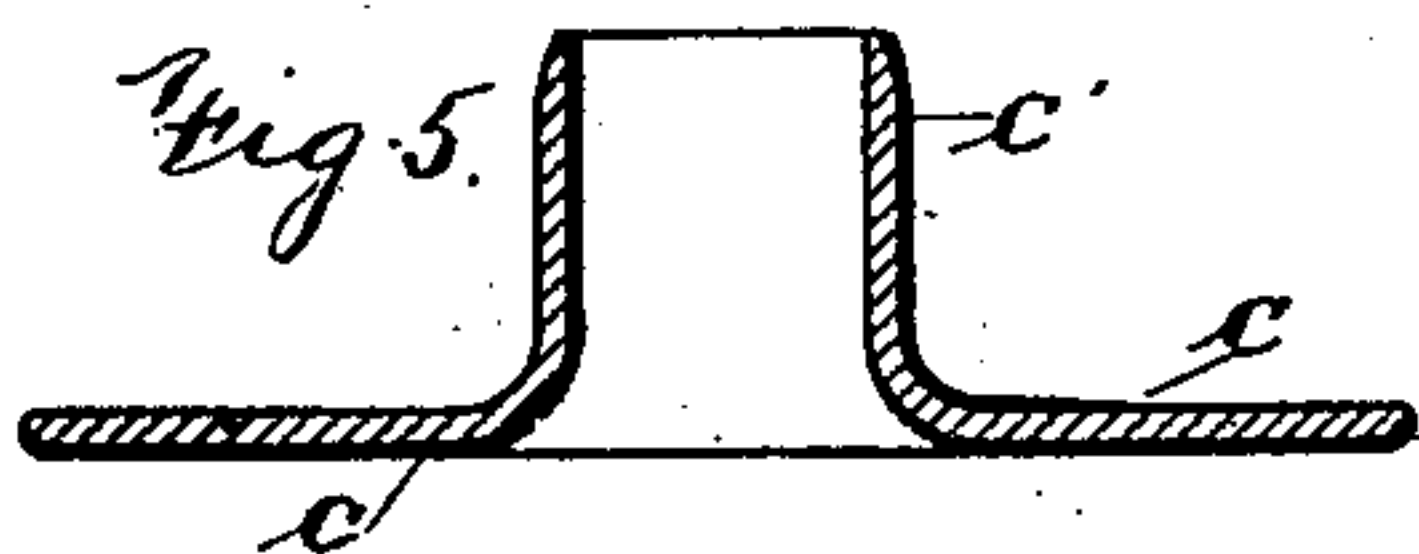
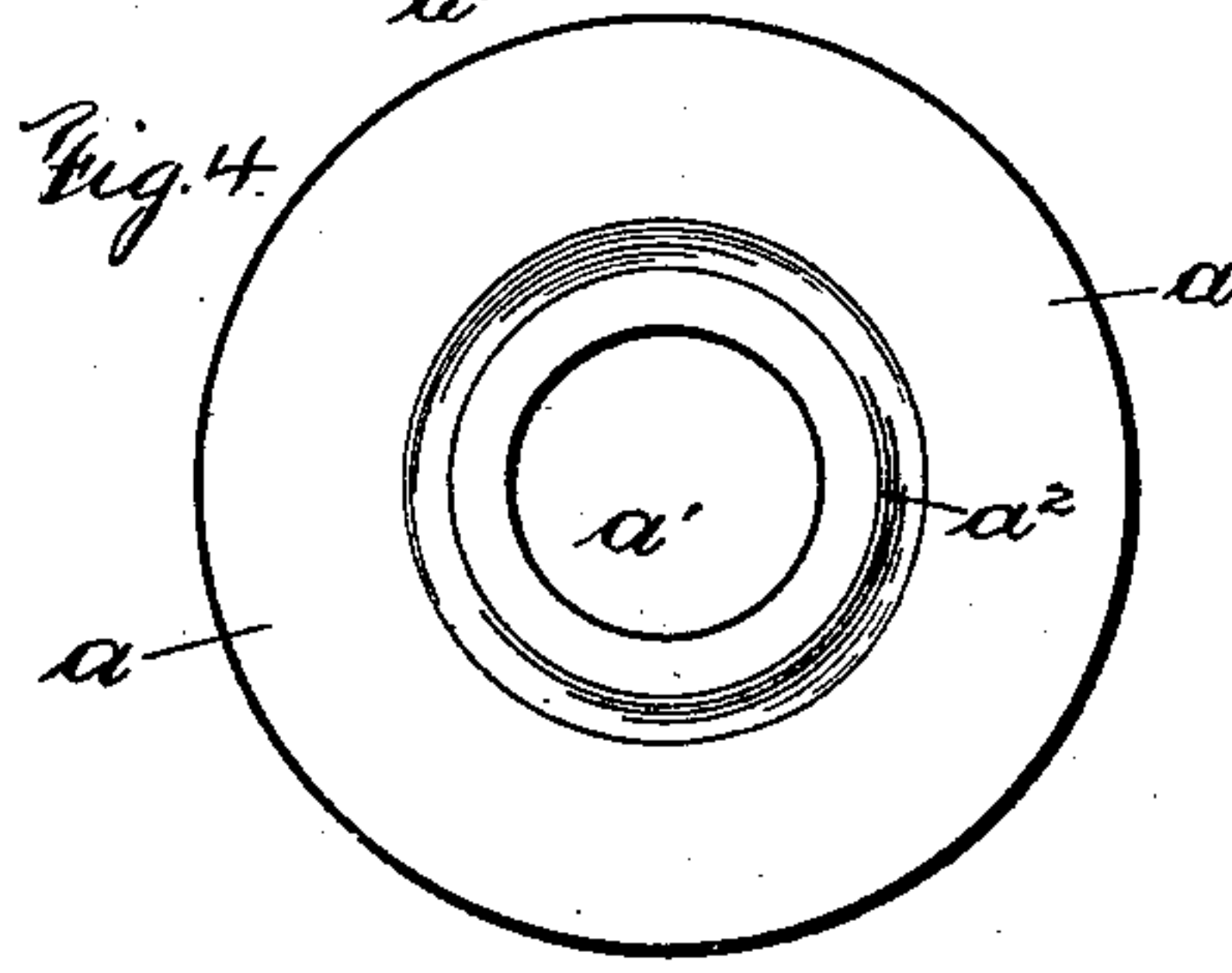
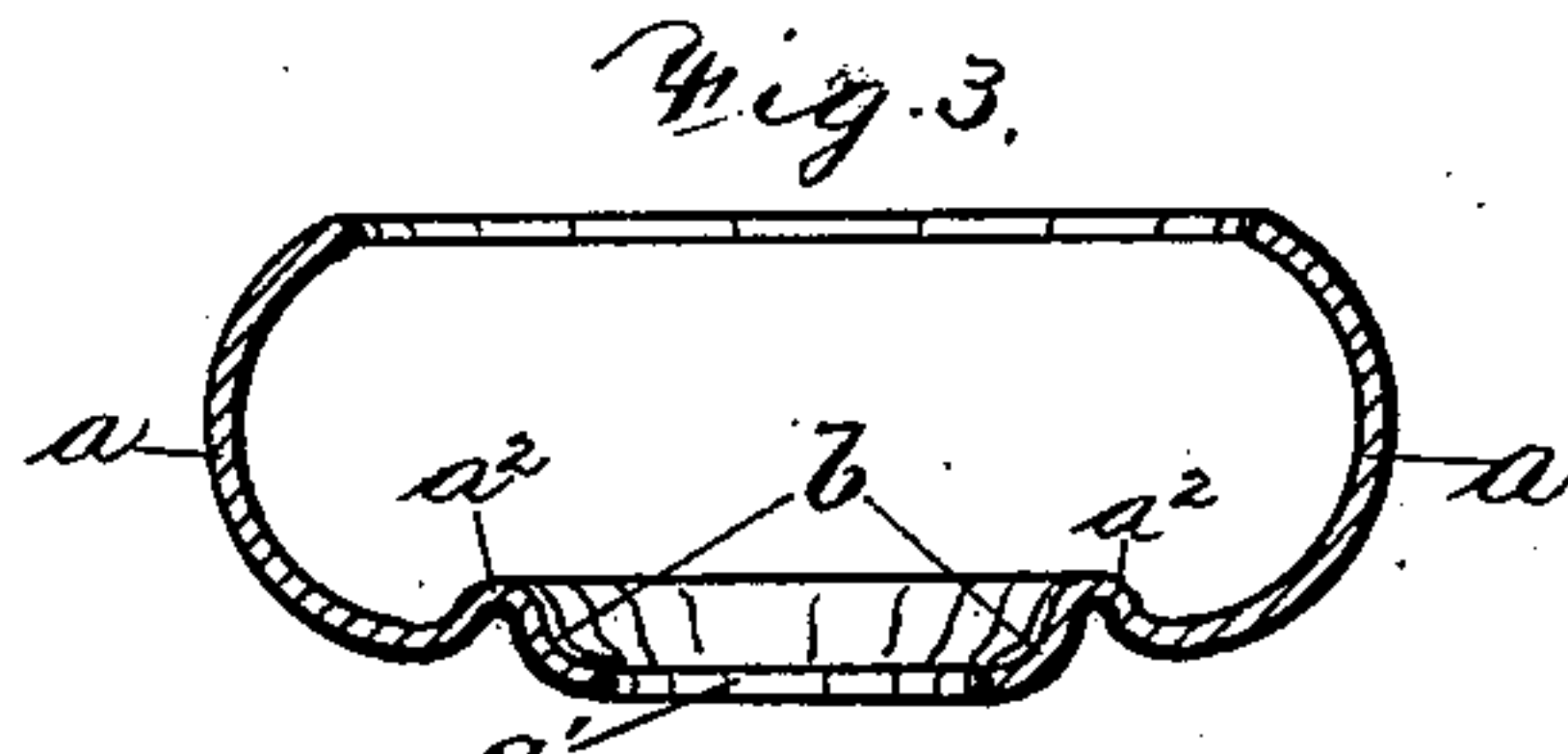
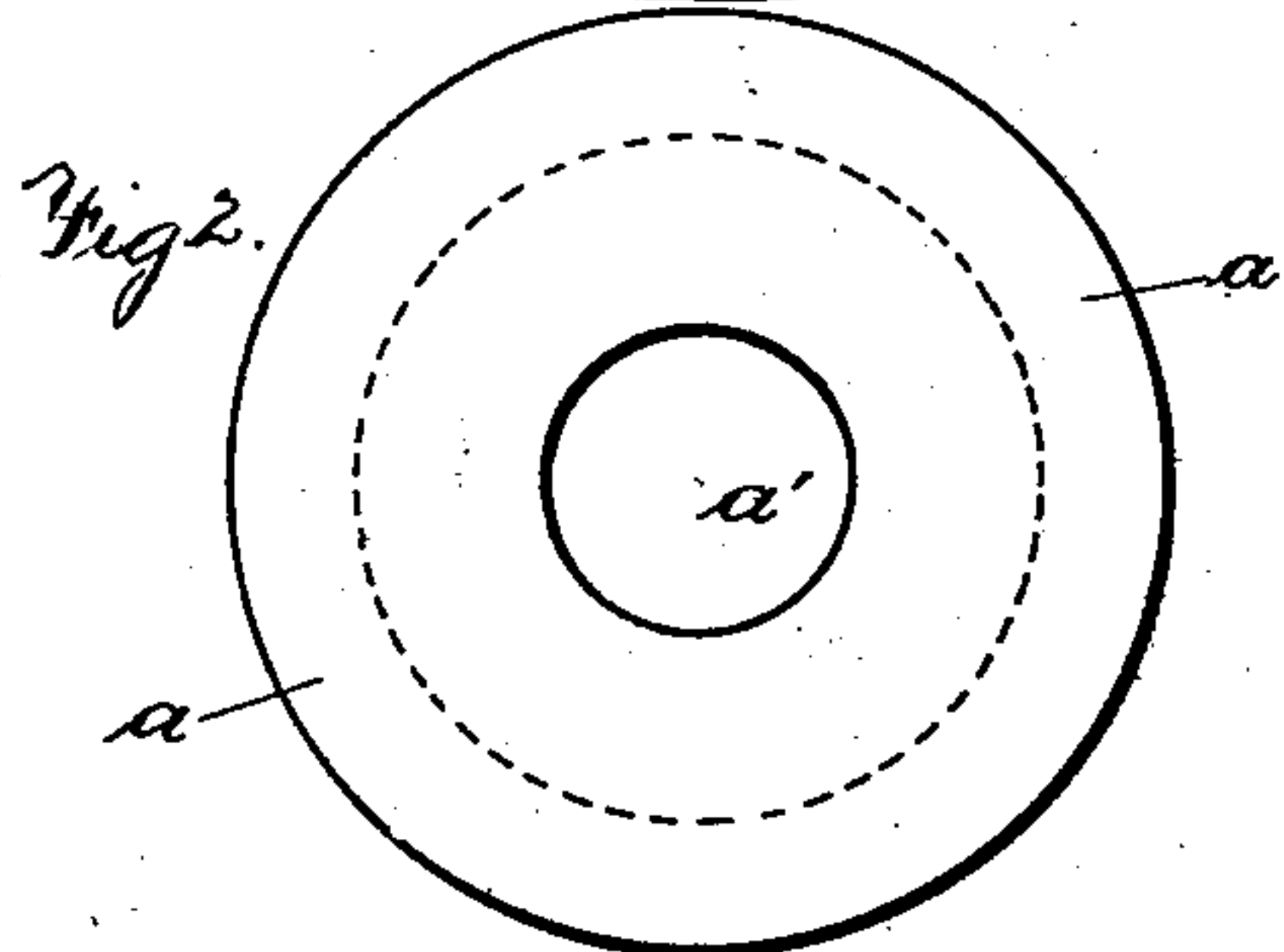
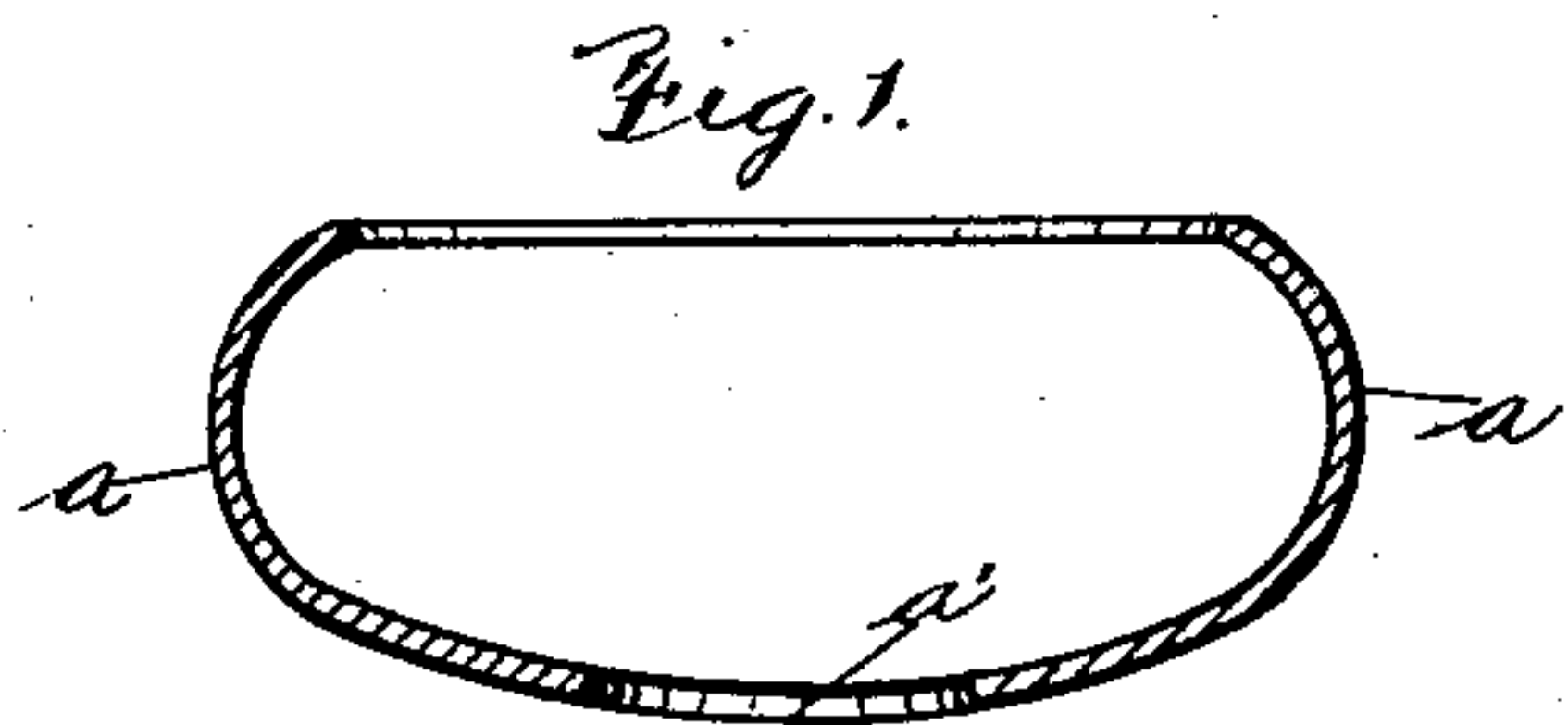
No. 714,072.

Patented Nov. 18, 1902.

J. V. WASHBURN.  
FASTENER FOR GLOVES, &c.

(Application filed Apr. 8, 1901.)

(No Model.)



WITNESSES  
*Chas. H. Smith*

INVENTOR  
James V. Washburne  
PER *L. W. Terrell & Son*  
ATTYS



# UNITED STATES PATENT OFFICE.

JAMES V. WASHBURN, OF WATERBURY, CONNECTICUT.

## FASTENER FOR GLOVES, &c.

SPECIFICATION forming part of Letters Patent No. 714,072, dated November 18, 1902.

Application filed April 8, 1901. Serial No. 54,791. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES V. WASHBURN, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented an Improvement in Fasteners for Gloves, Garments, &c., of which the following is a specification.

My invention relates to fasteners for gloves, garments, &c., adapted to be snapped into connection and so constructed that there is no interference of the edges or rims with internal protruding parts. I employ similar cup-shaped members having inwardly-turned side walls, differing in size and having open centers, which parts are adapted to be snapped into connection at their rims. I further employ attaching parts connecting the cup-shaped members with flexible intervening material. Each attaching part has a disk-head and integral tubular stem. The stem passes through the flexible material and open center of the cup-shaped member and is upset to connect the parts. An acceptable finish is imparted to the disk by a head which receives the disk, with its edge overturned thereon, the construction being such that a second and larger head may be secured to and outside of the first head in like manner. The cup-shaped member is preferably formed in a die to have an annular internal outwardly-extending shoulder or rib and consequent external recess outside said rib and around the open center, the part intermediate and adjacent to which rib is preferably concaved internally to provide a receiving-chamber for the upset end of the tubular stem, the edge of which comes approximately at or below the plane of the said shoulder or rib, so that the edge or rim of the cup-shaped member received within the larger cup-shaped member cannot contact with the upset edge of the tubular stem. Consequently the parts snap together and separate smoothly and without interference.

In the drawings, Figure 1 is a section of the blank for the cup-shaped member. Fig. 2 is an inverted plan of the same. Fig. 3 is a section of the cup-shaped member complete as stamped to provide the inwardly-turned side walls and the annular shoulder or rib, the groove, and central concave portion. Fig. 4 is an inverted plan of the same. Fig. 5 is a

section of the attaching part. Fig. 6 is a section of the same with a connected head. Fig. 7 is a section of one member. Fig. 8 is a section of both connecting members.

*a* represents the cup-shaped member, having inwardly-turned side walls and having the open center *a'*. This cup-shaped member is stamped up from a flat blank and shaped from the form, Figs. 1 and 2, to provide the same with an annular internal outwardly-extending shoulder or rib *a<sup>2</sup>* and consequent groove external thereto, Fig. 3, and also to cause the intermediate portion of the inside of the cup-shaped member extending between the shoulder and the edge of the open center *a'* to be concave.

*c*, Fig. 5, represents the attaching disk part, having the stem *c'* integral therewith, the upper edges of which latter are preferably tapering. This part is preferably provided with a head *d*, as shown in Fig. 6.

In connecting the respective parts the portion *c'* of the disk part *c* is passed through the fabric *e* and into the open center *a'* of the cup-shaped member *a*, as shown in Fig. 7. By means of a suitable die the end of the portion *c'* is now upset and pressed over and outwardly against the surface of the internally-concave portion *b* of the cup-shaped member *a* within the shoulder *a<sup>2</sup>*, thus securing the parts, as shown in Fig. 8, and completing the garment-fastener.

Referring to Fig. 8, it is often desirable, particularly in the part coming on the outside of the garment, to provide a larger head than the one immediately covering the disk part *c*. This may be accomplished by employing a second head *d'* of suitable size and turning over the edge of the same into contact with the head *d*, as shown.

The fastener is so made that the cup-shaped member of one part is sufficiently larger than the cup-shaped member of the other part to allow the former to be snapped over the latter to hold the members together.

The principal features of this construction are the outward-extending shoulder or rib *a<sup>2</sup>* in the cup-shaped member *a* and the manner of upsetting the edge of the stem *c'* of the attaching part *c* within the concave portion *b* of the cup-shaped member *a* in such a way that the upper portion of the upset end of *c'*



is approximately at or below the plane of the internal shoulder or rib  $a^2$ . If in the act of connecting or disconnecting the members the rim of the inner cup-shaped member reaches  
 5 the bottom of the outer member, it contacts with and bears upon the shoulder or rib  $a^2$  of the member  $a$  and can in no wise catch under or against the overturned portion of the stem  $c'$ , but rather will slide over the edge of the  
 10 shoulder  $a^2$ , and the movement will be smooth and regular and not interrupted.

I claim as my invention—

1. In a snap-fastener for gloves, garments, &c., a cup-shaped member having inwardly-  
 15 turned side walls, and an open center, an annular internal outwardly-extending shoulder and an inwardly-depressed portion intermediate of the shoulder and open center for receiving the engaging portion of an attaching  
 20 part, substantially as specified.

2. In a fastener for gloves, garments, &c., a cup-shaped member having inwardly-turned side walls and an open center, an annular internal outwardly-extending shoulder or rib, a  
 25 portion intermediate of the shoulder and open center, and an attaching part having a disk and integral tubular stem, the said tubular stem passing through intervening flexible material into the intermediate portion of the  
 30 cup-shaped member and upset within the limits of the annular internal shoulder, substantially as and for the purposes set forth.

3. In a fastener for gloves, garments, &c., a cup-shaped member having inwardly-turned  
 35 side walls and an open center, an annular internal outwardly-extending shoulder or rib, a portion intermediate of the shoulder and open center, and an attaching part having a disk and integral tubular stem, and a head secured  
 40 to the disk and forming a finish, the said tu-

bular stem passing through intervening flexible material into the intermediate portion of the cup-shaped member and upset within the limits of the annular internal shoulder, substantially as and for the purposes set forth. 45

4. In a fastener for gloves, garments, &c., a cup-shaped member having inwardly-turned side walls and an open center, an annular internal outwardly-extending shoulder or rib, an intermediate internally-concaved portion,  
 50 a groove external to the shoulder and an attaching part having a disk and integral tubular stem and a head secured to the disk and forming a finish, the tubular stem passing through the intervening flexible material into  
 55 the intermediate internally-concaved portion of the cup-shaped member and upset below the plane of the internal shoulder, substantially as and for the purposes set forth.

5. In a fastener for gloves, garments, &c., a  
 60 cup-shaped member having inwardly-turned side walls and an open center, an annular internal outwardly-extending shoulder or rib, an intermediate internally-concaved portion, a groove external to the shoulder and an at-  
 65 taching part having a disk and integral tubular stem and a head of two parts of varying sizes connected and secured to the disk and forming a finish, the tubular stem passing through the intervening flexible material into  
 70 the intermediate internally-concaved portion of the cup-shaped member and upset below the plane of the internal shoulder, substantially as and for the purposes set forth.

Signed by me this 28th day of March, 1901. 75

JAMES V. WASHBURN.

Witnesses:

GEO. T. PINCKNEY,  
 A. HERRELL.