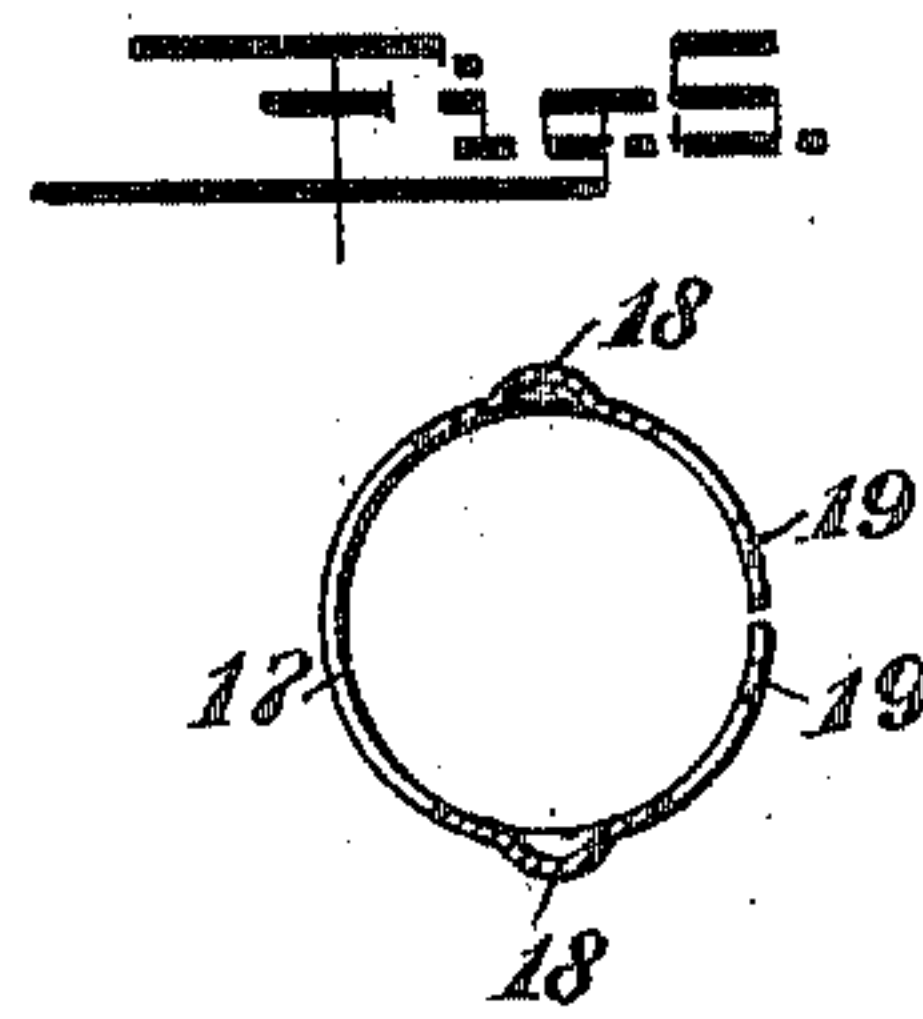
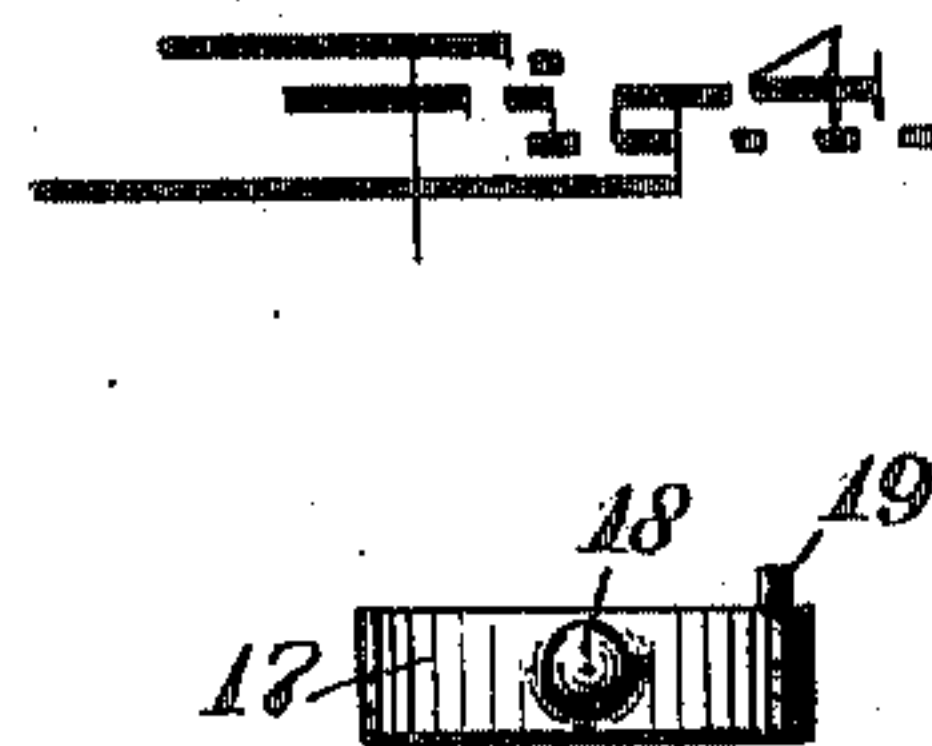
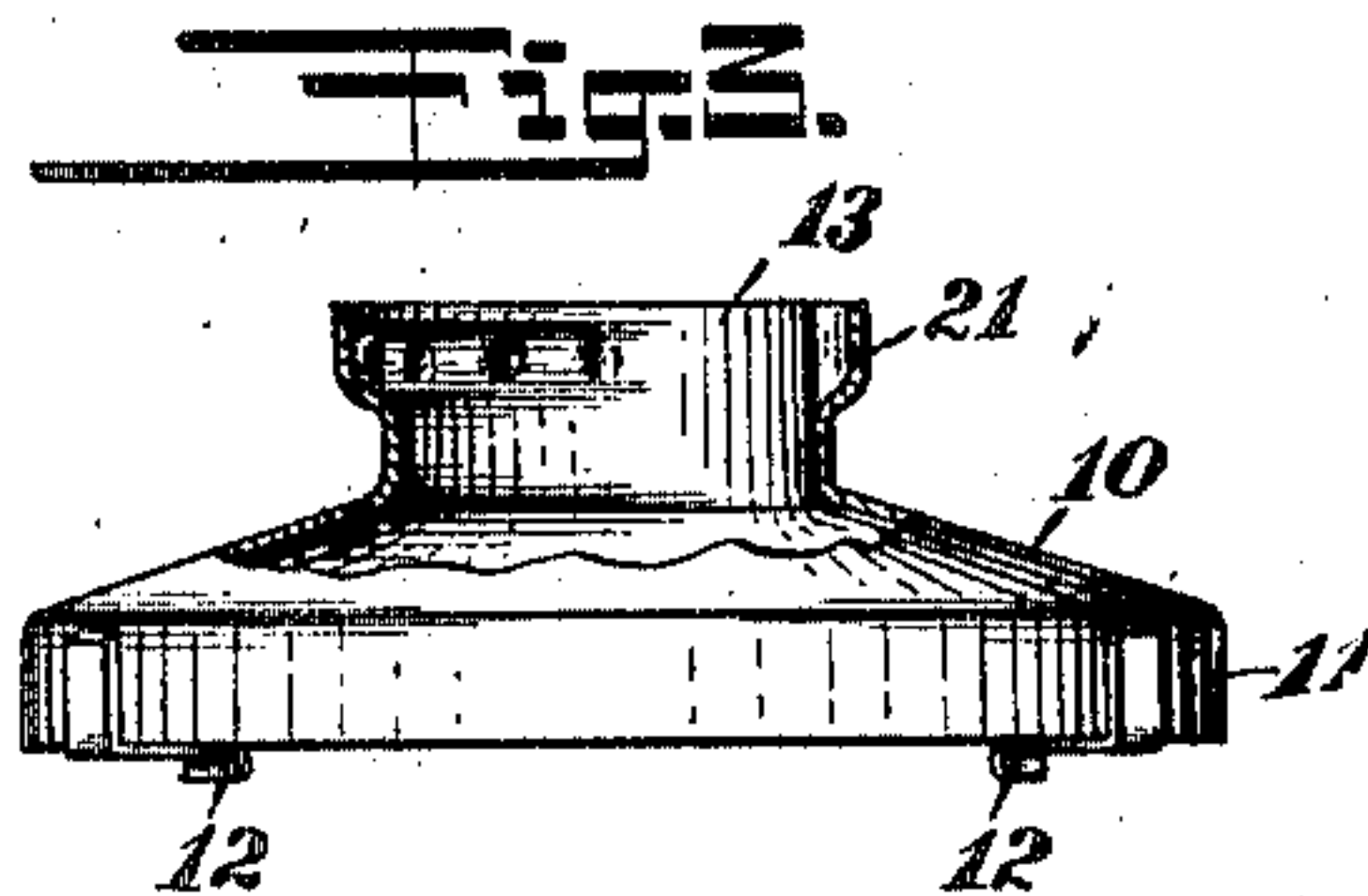
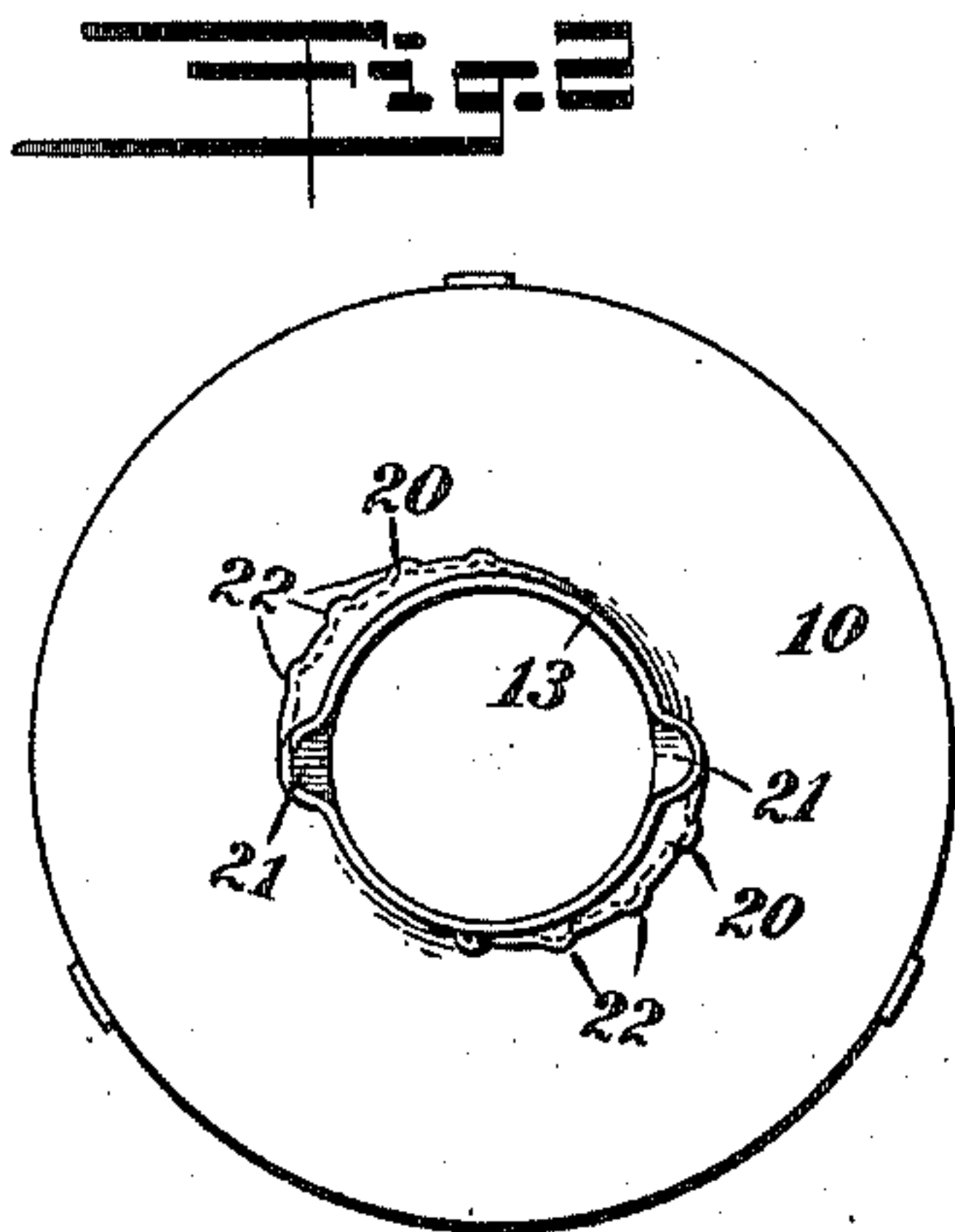
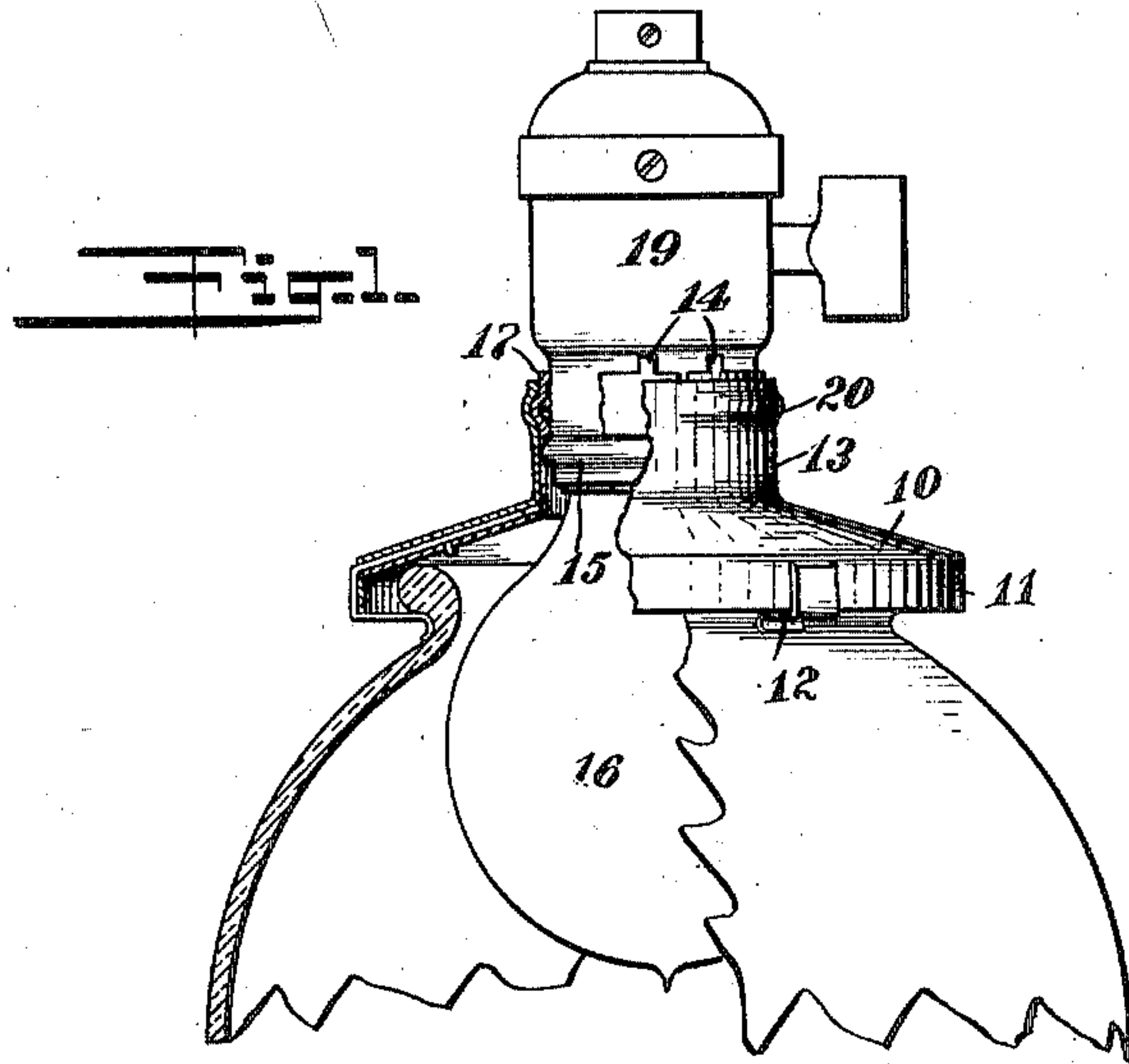


J. CRUIKSHANK.  
LAMP SHADE HOLDER.  
APPLICATION FILED MAY 17, 1909.

951,598.

Patented Mar. 8, 1910.



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# UNITED STATES PATENT OFFICE.

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## LAMP-SHADE HOLDER.

951,598.

Specification of Letters Patent.

Patented Mar. 8, 1910.

Application filed May 17, 1909. Serial No. 496,529.

*To all whom it may concern:*

Be it known that I, JOHN CRUIKSHANK, a citizen of the United States, and a resident of Shamokin, in the county of Northumberland and State of Pennsylvania, have invented a new and Improved Lamp-Shade Holder, of which the following is a full, clear, and exact description.

This invention relates to certain improvements in lamp shade holders, and more particularly to an improved construction for facilitating the attachment of the shade holder to the socket of an incandescent electric light.

In my improved securing means, I avoid the use of screws, bolts or other similar fastening members, and I also avoid the necessity for relying entirely upon the resiliency of the metal. The shade may be removed by rotating the same through only a portion of a revolution rather than by turning it a number of times as is necessary when the shade is provided with screw threads. In my improved construction I employ a clamping ring which is comparatively narrow and of light construction and which springs into place above the ordinary bead on the lamp socket, and to this ring is secured the lamp shade by a special form of bayonet joint. The neck portion of the shade holder prevents the spring ring from expanding and slipping over the bead of the socket, and as the neck is not split or particularly resilient, it cannot slip off the spring ring.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures, and in which—

Figure 1 is a side elevation of a shade holder constructed in accordance with my invention, a portion thereof being broken away; Fig. 2 is a top plan view of the main or body portion of the holder; Fig. 3 is a side elevation of the part shown in Fig. 2, a portion of the neck being broken away; Fig. 4 is a side elevation of the spring ring; and Fig. 5 is an end view of the ring, portions thereof being broken away.

The body portion 10 of my improved holder is preferably substantially conical in form and is provided with a depending flange 11 carrying inwardly-extending hooks 12,—substantially as set forth in my prior patent number 897,194, issued August 25, 1908.

The body is provided with a substantially cylindrical collar or neck portion 13, adapted to encircle the socket of an incandescent lamp, and is so constructed as to facilitate its ready attachment to the socket.

In Figure 1, I have shown a standard form of lamp socket 19, which is provided with an annular bead 15 adjacent the end carrying the bulb 16. In the reduced portion intermediate this bead and the upper portion of the socket, I provide a spring ring 17 formed of sheet metal and having sufficient resiliency to slip over the bead 15 and to clamp the reduced portion of the socket. This spring ring is provided with oppositely-disposed outwardly-extending bosses, knobs or rounded projections 18, struck up from the metal intermediate the upper and the lower edges of the ring. The split in the ring may, if desired, be provided with upwardly-extending flanges or projections 14, 14, by means of which the ring may be held from rotation while the body of the holder is being secured in place. The neck or collar 13 of the holder is provided with grooves 20 intermediate its upper and lower edges and each extending circumferentially through a portion of a revolution. Each groove at one end, is connected with an inwardly-extending groove 21, terminating at the upper end of the neck or collar, and each groove 20 at its opposite end gradually decreases in size and merges into the cylindrical surface of the neck or collar. Each longitudinally-extending groove 21 is adapted to receive its corresponding boss or knob 18 on the split ring 17, and the circumferential grooves 20 receive said bosses or knobs. As the body of the shade with its collar is rotated in respect to the split ring, the bosses or knobs are caused to travel along the circumferential grooves 20, and as the latter gradually decrease in size, the collar and the split ring become firmly clamped together and held against accidental removal from the lamp socket. The outer surfaces of the grooves or beads 20 are preferably formed with indentations or transverse ridges 22, which tend to restrict the movement of the bosses along the grooves and to act as locking means to prevent the accidental return movement of the bosses. The neck or collar 13 incloses the ring and partially conceals the latter from view, and it also tends to contract the ring and make the latter bind the socket.



All of the parts going to make up my improved device are formed from stamped metal and may be made at very little expense. The entire device is very simple and positive in its operation, and no screw-driver, wrench, or other tool is needed in securing the device in place.

Various changes may be made in the construction of the device and within the scope of the appended claims, without departing from the spirit of my invention.

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

15 1. A shade holder, comprising a split ring adapted to engage an electric light socket and presenting an outwardly-extending knob or boss, and a holder having a neck or collar adapted to encircle said ring and provided with a bayonet groove to receive said knob or boss.

25 2. A shade holder, comprising a split ring adapted to engage a lamp socket above the bead in the latter and presenting an outwardly-extending projection, and a holder having a neck or collar provided with a bayonet groove to receive said projection, said groove being provided with ridges or projections along the length thereof.

30 3. A shade holder, comprising a split ring adapted to engage a lamp socket above the bead in the latter and presenting an outwardly-extending projection, and a holder having a neck or collar provided with a bayonet groove to receive said projection, said groove being gradually reduced in size toward one end thereof and merging into the circumferential wall of the collar.

4. A shade holder, comprising a split ring adapted to engage a lamp socket above the bead in the latter and presenting an outwardly-extending projection, and a holder having a neck or collar provided with a bayonet groove to receive said projection, said groove being provided with ridges or projections along the length thereof, and being gradually reduced in size toward one end thereof and merging into the circumferential wall of the collar.

5. A shade holder, comprising a ring adapted to engage a lamp socket above the bead in the latter and having an outwardly-extending projection, and a conical body portion having hooks adapted to receive a shade and provided with a neck or collar integral with said body portion and adapted to encircle said ring and provided with a bayonet groove adapted to receive said projection.

6. A shade holder, comprising a split ring adapted to engage an electric light socket above the bead in the latter and presenting an outwardly-extending projection, and a holder having a neck adapted to encircle said ring to prevent the expansion of the latter and the slipping of said ring past said bead, said neck being provided with a bayonet groove to receive said projection.

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

JOHN CRUIKSHANK.

Witnesses:

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NAOMI EDWARDS.