

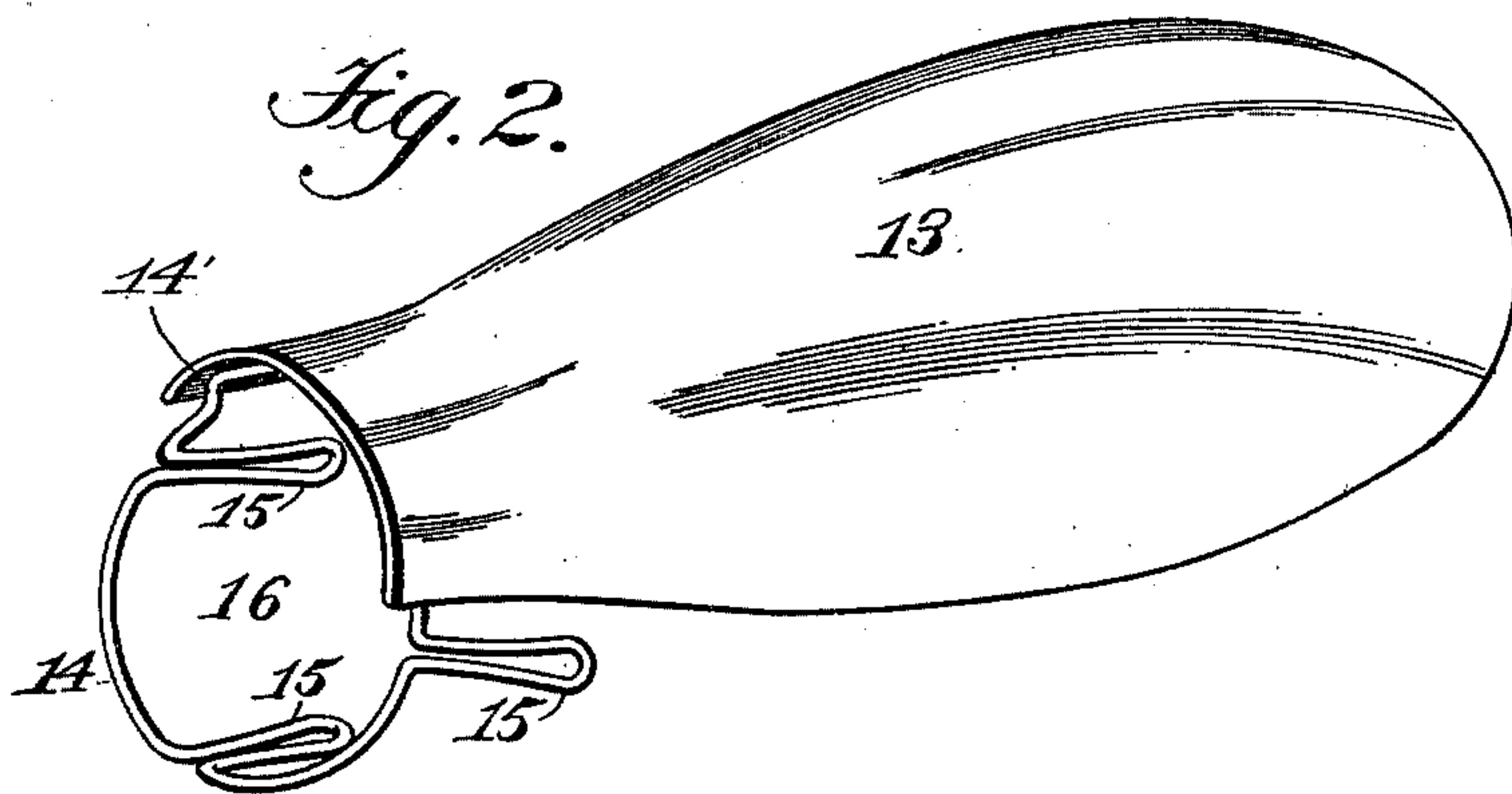
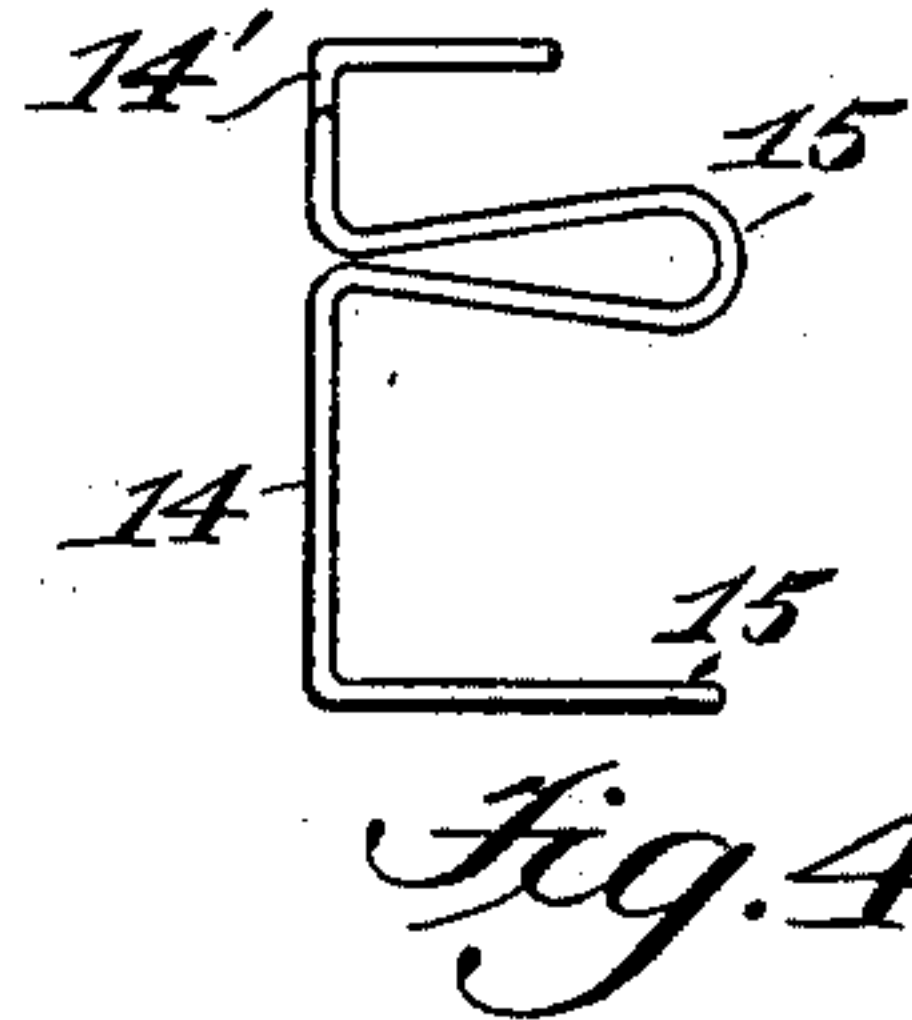
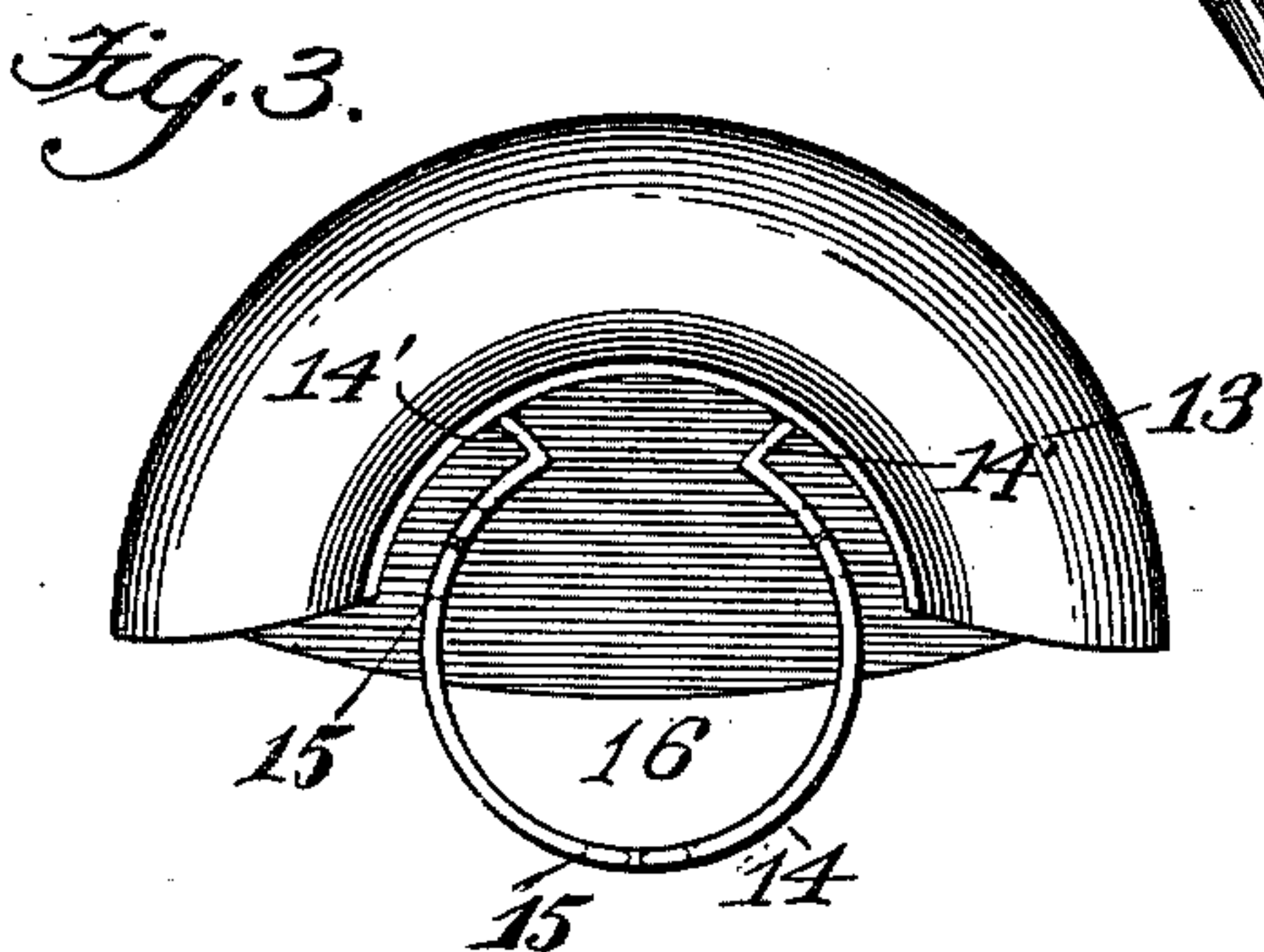
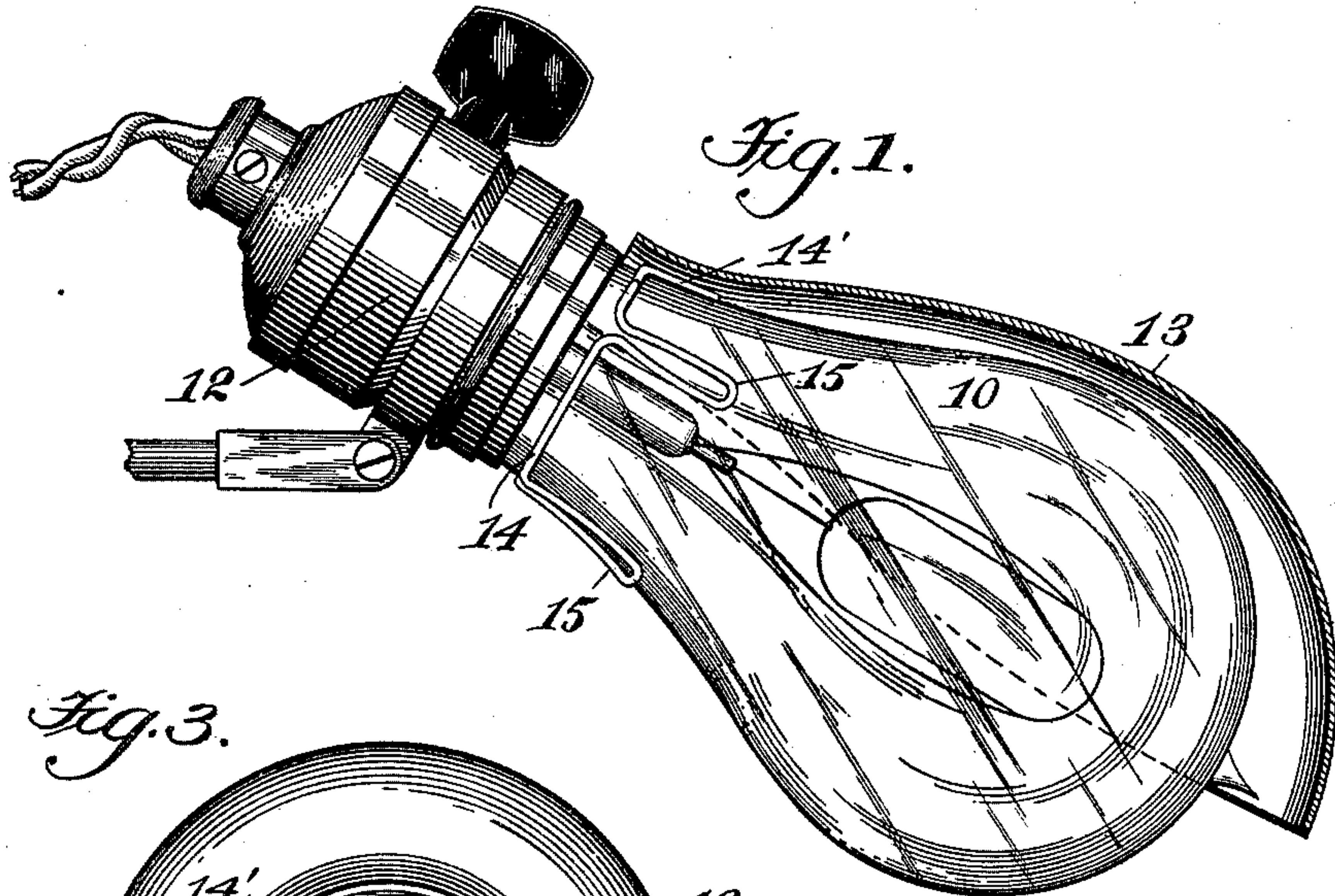
No. 670,905.

Patented Mar. 26, 1901.

R. W. PITTMAN.
LAMP SHADE OR REFLECTOR.

(Application filed Aug. 22, 1900.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

REINHART W. PITTMAN, OF NEW YORK, N. Y., ASSIGNOR TO ALAN R. FERGUSON, OF MOUNT VERNON, NEW YORK.

LAMP SHADE OR REFLECTOR.

SPECIFICATION forming part of Letters Patent No. 670,905, dated March 26, 1901.

Application filed August 22, 1900. Serial No. 27,642. (No model.)

To all whom it may concern:

Be it known that I, REINHART W. PITTMAN, a citizen of the United States, residing in the city of New York, borough of Manhattan, in the county of New York and State of New York, have invented certain new and useful Improvements in Lamp Shades or Reflectors, of which the following is a specification.

This invention relates to lamp shades or reflectors particularly adapted for use with incandescent-electric-light bulbs; and one object of the invention is to provide an improved shade embodying an improved holder having expansible portions free of connection or engagement with the shade, whereby they are automatically adjustable to enable the shade to fit various sizes of bulbs.

A further object of the invention is the provision of a lamp shade or reflector provided with a yielding clip, having a series of flexible projections which bear at different points upon and directly grasp the neck of the glass bulb, whereby the socket or holder of the bulb is free for attachment to a lamp-bracket.

In the drawings accompanying and forming part of this specification, Figure 1 is a perspective view of an electric-light bulb or lamp, showing my improvement applied thereto, the shade or reflector being shown in longitudinal section. Fig. 2 is a perspective view of the shade or reflector with my improvement applied thereto. Fig. 3 is an end view of the shade or reflector and the holder, and Fig. 4 is a plan view of the holder.

Similar characters of reference indicate corresponding parts in the different figures of the drawings.

In the preferred form thereof herein shown and described the shade or reflector 13, usually comprising a substantially concaved member, has an open-ended neck constructed to extend over a portion of an incandescent-electric-light bulb 10, secured in its socket 12 in any suitable manner. Secured to the neck of this shade or reflector is a holder, shown as a spring-clip 14, which in the form shown is represented as constructed of wire and provided with ends or legs 14', secured to the shade by solder or otherwise. This

clip 14 is shaped or bent to form one or more flexible loops or fingers 15, shown as three in number, which are so located that they project with their free ends toward the free or outer end of the bulb, whereby the loops or enlarged ends of said fingers directly engage and grasp the bulb and so act to hold the shade away from the bulb. These loops or fingers are free from connection and engagement with the shade, and consequently are free to expand and contract—that is, open out and shut automatically to fit various sizes of bulbs. The clip is shown so formed that parts thereof—in the form shown, the parts 15—act to engage the end of the socket, and thus prevent the shade or reflector from moving farther in from the bulb than is desired, since owing to the usual shape of the bulb it will be seen that the tapered neck thereof, acting in connection with the loops, tends to push the shade inward toward the socket. In use the neck of the bulb is forced endwise between and expands said fingers, which by their resiliency grasp said neck and retain the shade in position on the bulb, such neck entering the eye 16 of the holder, while the yielding projections bear against the different points of the periphery of said neck and serve to firmly retain the shade in place on the same and also permit said shade to be adjusted in a rotary path upon the neck to place it in the position desired with respect to the lamp. As the lamp is forced to place the eye part of the clip and the loops of the projections will be expanded laterally—that is, opened—while such projections will also be moved transversely to properly fit the bulb, and thereby closely and firmly hug the lamp and conform to the surface thereof.

From the foregoing it will be seen that the neck of the shade, together with the holder, completely encircles the lamp, neither of which in the form shown does so independently of the other, so that the knocking of the shade from the bulb is prevented, since the shade can only be detached by removing the bulb or shade endwise relatively to each other after the bulb is released from its socket.

By the organization presented the shade can fit various sizes of bulbs, since the loops

are not only shiftable transversely of the lamp, but can be expanded and contracted laterally—that is, opened and shut—and this automatically.

5 I claim as my invention—

1. A lamp-shade comprising a substantially concaved member having an open-ended neck constructed to extend over a portion of an incandescent-light bulb and an expan-
10 sible holder extending over another part of said bulb, said shade and holder combined completely encircling said bulb whereby the same is removable therefrom endwise only, said holder having a part thereof rigidly se-
15 cured to said shade and provided with one or more loops or fingers free of connection and engagement with said shade whereby they are automatically adjustable to fit various sizes of bulbs.

20 2. A lamp-shade comprising a substantially concaved member having a neck portion constructed to extend over a portion of an incandescent-light bulb and an expansible holder extending around another part of said
25 bulb, said shade and holder combined completely encircling said bulb, whereby the same is removable therefrom endwise only, said holder having a part thereof rigidly secured to said shade and provided with one or more
30 loops or fingers projecting longitudinally of and toward the outer or free end of said bulb whereby they are in position to directly engage the glass bulb and thereby hold the shade in position thereon, said fingers being free of
35 connection and engagement with said shade

whereby they are automatically adjustable to fit various sizes of bulbs.

3. The herein-described lamp-shade comprising a substantially concave member having an open-ended neck portion constructed
40 to extend over a part of an incandescent-light bulb and a spring holder extending around another part of said bulb, said shade and holder combined completely encircling said bulb whereby the same is removable there-
45 from endwise only, said holder having a pair of ends rigidly secured to said shade and having intermediate such ends a plurality of expansible loops or fingers projecting longitudinally of and toward the free or outer end
50 of said bulb and in position to directly grasp the glass bulb and thereby retain said shade in position, said fingers being free of connection and engagement with said shade where-
55 by they are automatically adjustable to fit various sizes of bulbs.

4. A lamp-shade having a holder provided with projections or fingers extending longi-
tudinally of and free of connection and en-
60 gagement with said shade, with the free ends thereof projecting toward the outer end of said bulb whereby they are in position to grasp said bulb, said holder also having a part in position to engage the socket and thereby limit the inward movement of the shade.

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