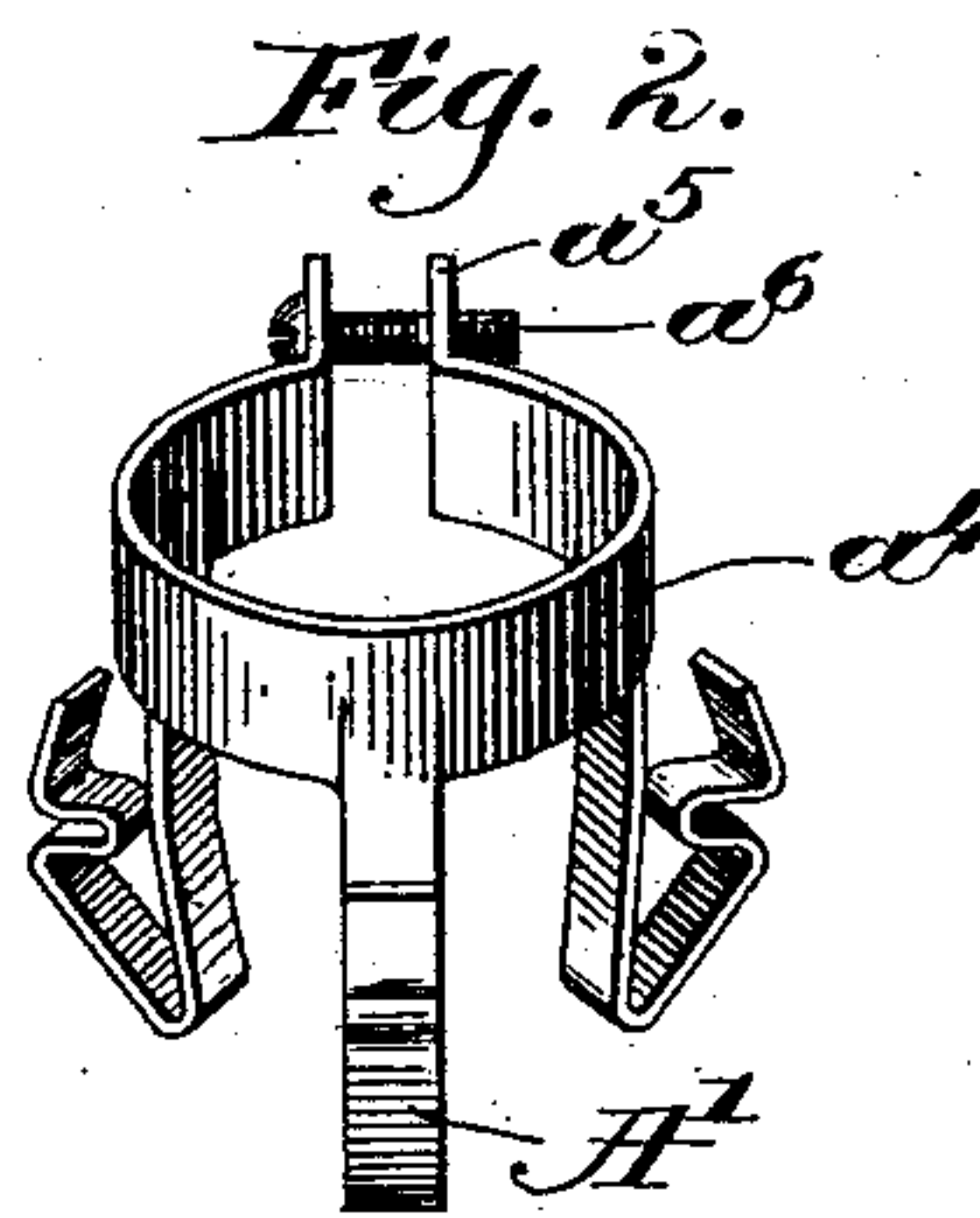
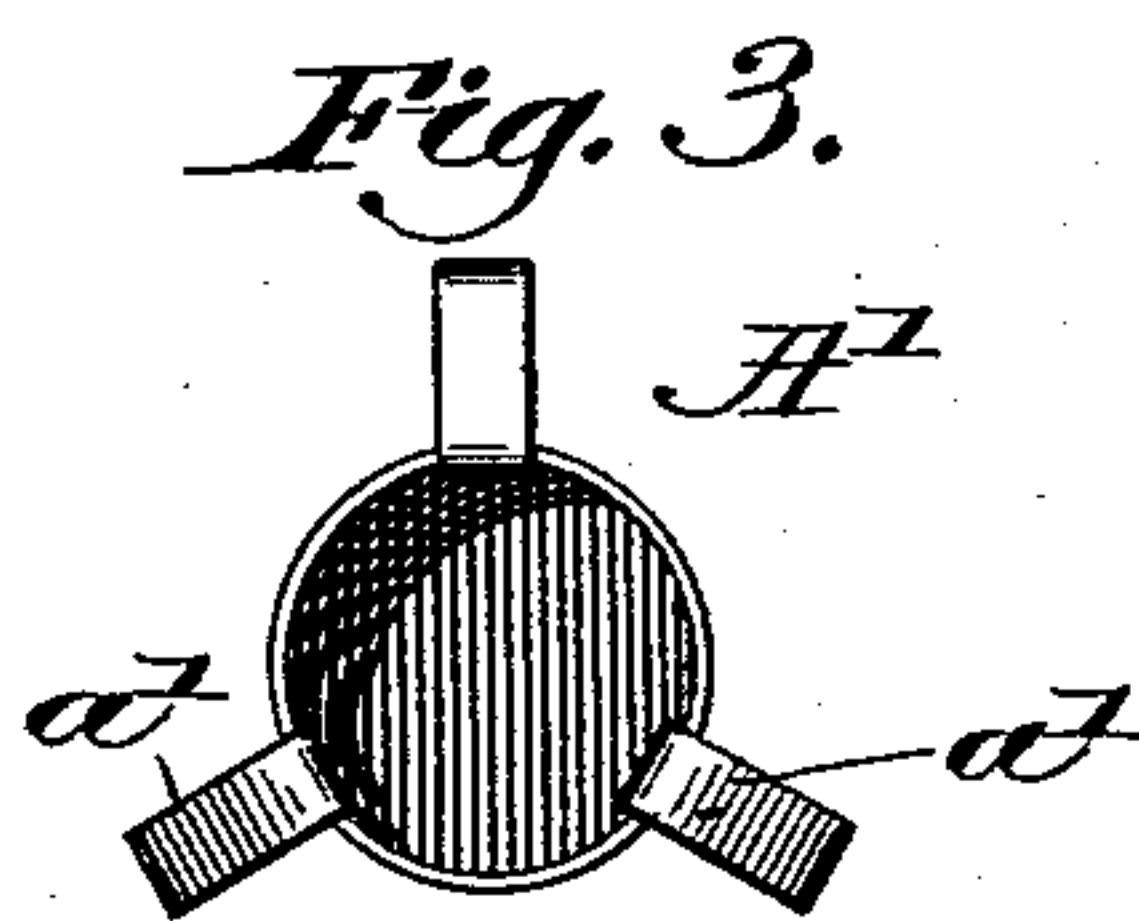
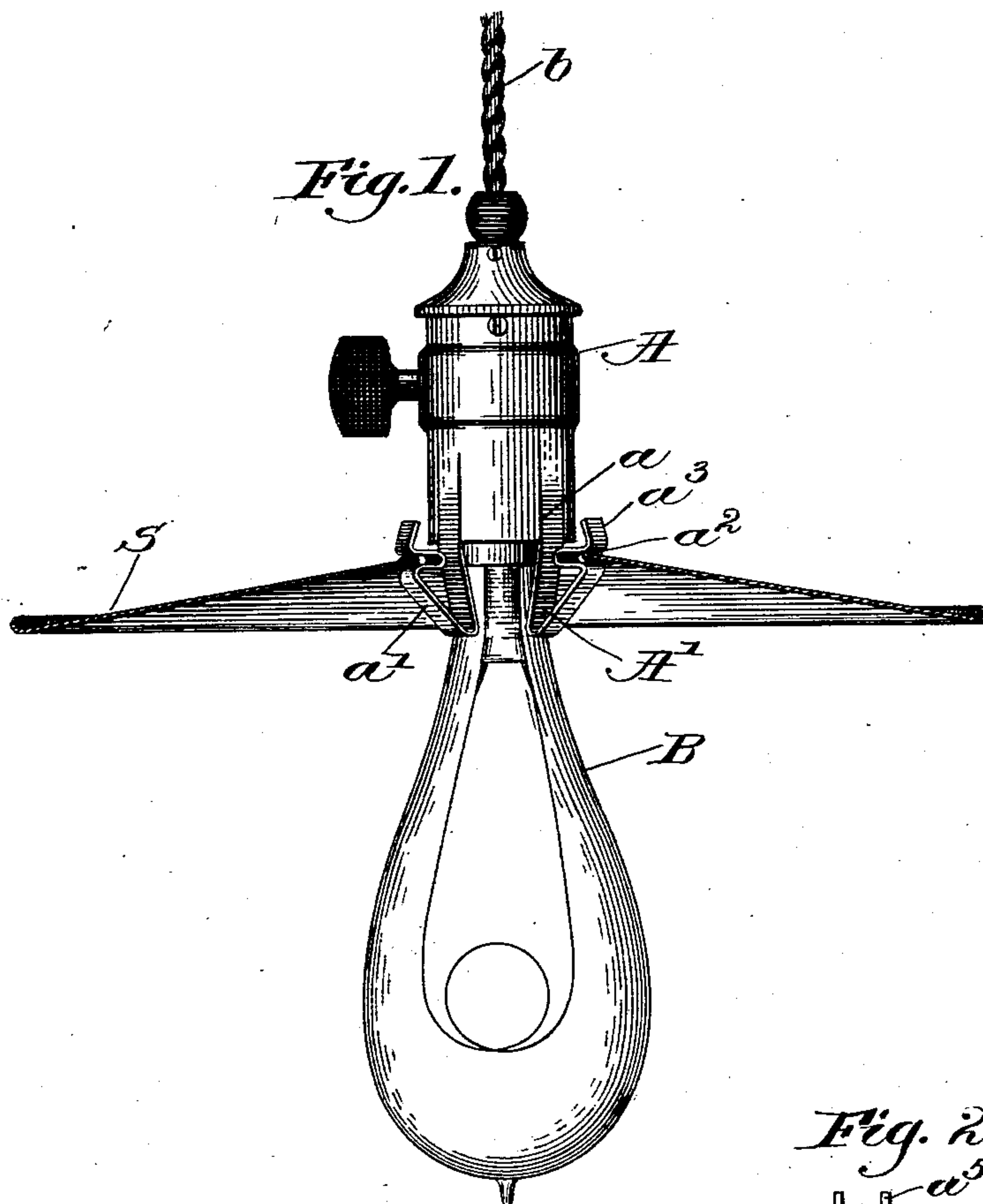


(No Model.)

C. A. LAPWORTH.
LAMP SHADE OR REFLECTOR HOLDER.

No. 570,669.

Patented Nov. 3, 1896.



Witnesses:
A. C. Harmon.
Thomas Drummond.

Inventor.
Charles A. Lapworth.
by Crosby & Sugan
Attys.

UNITED STATES PATENT OFFICE.

CHARLES A. LAPWORTH, OF HOPEDALE, MASSACHUSETTS.

LAMP SHADE OR REFLECTOR HOLDER.

SPECIFICATION forming part of Letters Patent No. 570,669, dated November 3, 1896.

Application filed May 8, 1896. Serial No. 590,666. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. LAPWORTH, of Hopedale, county of Worcester, and State of Massachusetts, have invented an Improvement in Lamp Shade or Reflector Holders, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

My herein-described invention is an improved clip for automatically retaining a shade or reflector on a lamp, and is particularly adapted for use in connection with incandescent electric lamps or electroliers.

One object of my invention is to provide means whereby the globe or socket of the common incandescent lamp may be steadied by one hand and the shade or reflector may be held by the other hand and quickly engaged with the holding devices; also, a further object is to provide a holding device that may be easily disengaged from the shade with one hand, while the other hand is supporting or holding the shade or reflector for the purpose of removing the same when disengaged from the holding-clips of the holding device.

The details of my invention will be hereinafter more fully pointed out by description, reference being had to the accompanying drawings, illustrative of my invention, in which—

Figure 1 is a side elevation of one form of my device, showing an ordinary concaved reflector secured thereby, the reflector being shown in cross-section. Fig. 2 is a perspective of a modified form of my invention, and Fig. 3 is a bottom plan view of the holder shown in Fig. 1.

In the present embodiment of my invention, as herein shown, the lamp-socket A is of usual pattern so far as the means are concerned for securing the usual incandescent bulb B and receiving the conductor-wires b.

In my preferred construction the external shell of the socket is preferably slitted at its lower end at a and extended in a plurality of spring members A', which are bent over at an acute angle to themselves and turned upwardly to form the inclined surfaces a', which together constitute a wedge-shaped apex or conical projection of spring-clips extending

somewhat below the socket. Each of these clips is bent inwardly and outwardly at its free end to form the receiving-jaw a², a finger-hold a³ preferably extending therefrom at the extreme free end of the clip. These clips are arranged approximately opposite to each other, three clips being herein shown disposed at equal distances about the socket, so that by pinching the finger-holds a³ of any two clips toward each other the lamp-shade S may be readily disengaged from the jaws a² of all three of the clips.

Referring to Fig. 2, it will be seen that instead of the socket A, I have shown the spring-clips A' as extending from a clamping-band a⁴, provided at its extremities with ears a⁵, perforated to receive the screw or other clamping device a⁶, by means of which this modified form of my holder may be secured to any lamp or socket-piece or other location as desired.

While I have shown the clips A' as extended by means of slits into the body of the band a⁴, this is not necessary, being merely a means of providing more spring to the clips.

In use, when it is desired to place the shade or reflector upon the lamp, it is simply pressed against the conically-disposed surfaces a' of the spring-clips, so as to force said clips inwardly toward each other until the internal edge of the shade or reflector comes opposite the jaws a² of the spring-clips, whereupon the latter, by reason of their resiliency, spring out into automatic holding engagement with the shade or reflector.

When it is desired to remove the shade, all that is necessary is to press inwardly by one hand any two or more of the spring-clips until they are disengaged from the shade, whereupon the shade can be readily removed by the other hand.

I do not desire to be limited to the precise details of construction as herein set forth, inasmuch as many changes in form, proportions, and arrangements of parts may be resorted to within the spirit and scope of my invention.

The band form of socket is not limited to the narrow breadth shown, but may be extended, as desired, and may be permanently fastened in tubular shape or provided with

any locking or interlocking or tightening means desired.

What I claim is—

1. A lamp-shade holder having a plurality of
5 spring-clips bent outwardly to form a wedge-shaped series of inclined surfaces against which the inner edges of the shade or reflector may be wedged in adjusting the same to retained position, said inclined surfaces
10 terminating in suitable holding-jaws, substantially as described.

2. A lamp-shade holder having a plurality of
spring-clips bent outwardly to form a wedge-shaped series of inclined surfaces against
15 which the inner edges of the shade or reflector may be wedged in adjusting the same to retained position, said inclined surfaces terminating in suitable holding-jaws, said clips having their free ends extended beyond

said jaws to constitute finger-holds, substantially as described. 20

3. A lamp-shade holder, consisting of a socket-body, and integral spring-clips formed by slits therein, said clips being bent outwardly at their free ends, and thence inwardly and outwardly to form outwardly-facing jaws beyond said first-mentioned bend, said jaws being adapted to spring over the inner edges of a shade or reflector, to hold the same, substantially as described. 25 30

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

CHAS. A. LAPWORTH.

Witnesses:

E. D. BANCROFT,
H. F. SEARLES.