Sept. 1, 1925. 1,551,756

E. LASKOWSKI

GLOBE CAP

Filed June 2, 1924

Fig. 1.

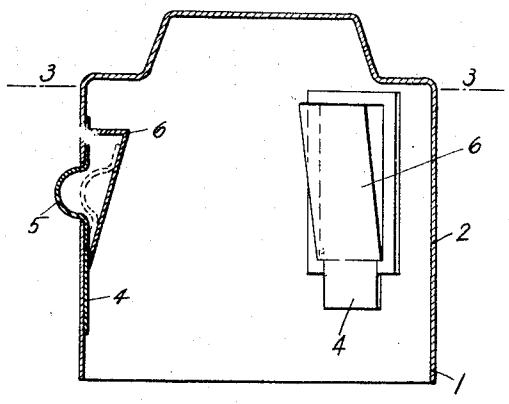


Fig. 2.

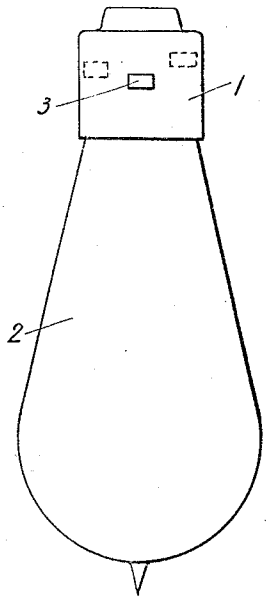


Fig. 3.

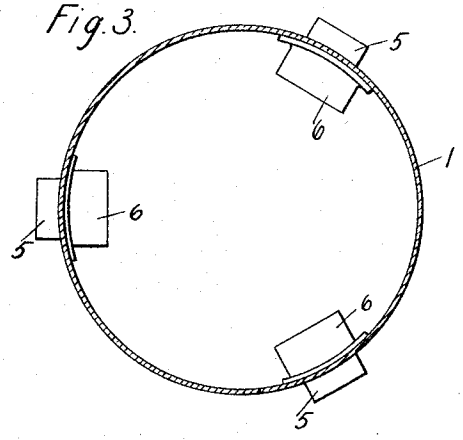


Fig. 4.

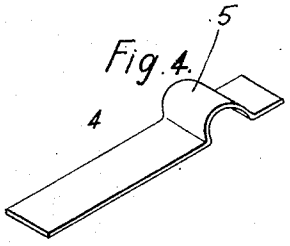
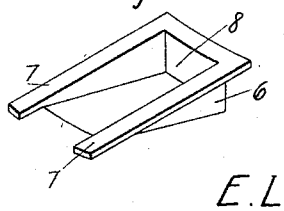


Fig. 5.



O. Thalmann.

WITNESS:

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UNITED STATES PATENT OFFICE.

EDWIN LASKOWSKI, OF SOUTH BEND, INDIANA.

GLOBE CAP.

Application filed June 2, 1924. Serial No. 717,373.

To all whom it may concern:

Be it known that I, EDWIN LASKOWSKI, a citizen of the United States, residing at South Bend, in the county of Saint Joseph and State of Indiana, have invented new and useful Improvements in Globe Caps, of which the following is a specification.

This invention relates to improvements in electric lamps, the general object of the invention being to provide means for facilitating the placing of the bulb in its socket and to eliminate the screwing action.

Another object of the invention is to so form the attaching means that the ordinary screw threaded socket can be used with the invention.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is an enlarged sectional view through the cap part of the bulb.

Figure 2 is a view of the cap and bulb assembled.

Figure 3 is a section on line 3—3 of Figure 1.

Figure 4 is a view of the spring latch member.

Figure 5 is a view of the cover thereof.

In these views, 1 indicates the cap and 2 the glass body of an electric lamp bulb, the cap usually being formed with threads so that it can be threaded into an ordinary terminal socket. It is the object of my invention to eliminate this screw action of the bulb into a socket and to provide means whereby the connection can be made by simply pressing the bulb into a socket. In carrying out my invention I make the cap 1 with a number of holes 3 which are preferably staggered, as shown in Figures 1 and 2. A spring latch 4 is associated with each hole, this latch being formed of a spring strip which is soldered or otherwise fastened to the interior of the cap and with its rounded projection 5 normally extending through the hole, as shown in full lines in Figure 1. This projection is formed by depressing the metal of the strip a short distance from its free end, as shown in Figure 4.

Thus when the bulb with the improved cap thereon is pressed into a socket the spring latches will be forced inwardly, as shown in dotted lines in Figure 1, as they ride over the threads in the socket and they will engage portions of the threads and thus hold the bulb in the socket. The bulb can be taken from the socket by pulling the same with sufficient force to cause the latch members to ride over the threads in the socket.

In order to prevent the filling material which cements the cap to the glass body from interfering with the operation of the latch members I provide covers 6 for the latch members which are fastened to the interior of the cap. Each cover is provided with a flange 7 which is soldered or otherwise connected with the cap and the cover is formed with a tapered chamber 8 therein, one end of which is open to receive the spring strip. These covers are so positioned that the projections on the latch members can pass into the chambers 8 and thus permit the cap to be pressed into the socket or removed therefrom.

It will thus be seen that the improved lamp bulb can be easily and quickly placed in a socket or removed therefrom by simply pressing the bulb into the socket or pulling it from the same. By having the openings staggered the latch members will engage different portions of the thread in the socket and thus make a firm connection.

By this invention the screwing action necessary for placing a bulb in a socket and removing it from the socket is eliminated so that much time is saved and bulbs can be removed from difficult places by means of a pole and a loop on the same, such for instance in the ceilings of buildings, on signs and the like.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the

several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. An electric light bulb having a spring latch in its cap for engaging a portion of the thread of a socket, said cap having an opening therein through which the latch projects and a cover within the cap for the latch member.

2. An electric light bulb comprising a cap having an opening therein, a spring strip fastened to the interior of the cap and having a projection thereon extending through the opening to engage a portion of the threads in a socket and a plate having a chamber formed therein, connected with the interior of the cap and enclosing the portion of the strip which carries the projection.

3. An electric light bulb comprising a cap having a plurality of holes therein arranged in staggered relation, a spring latch associated with each hole and formed of a spring strip fastened to the interior of the cap and having a rounded projection extending through the hole and a cover for each latch fastened to the interior of the cap.

In testimony whereof I affix my signature.

EDWIN LASKOWSKI.