

June 3, 1930.

J. HUBER

1,761,344

ELECTRICAL APPLIANCE CONNECTION

Filed March 13, 1929

Fig. 1

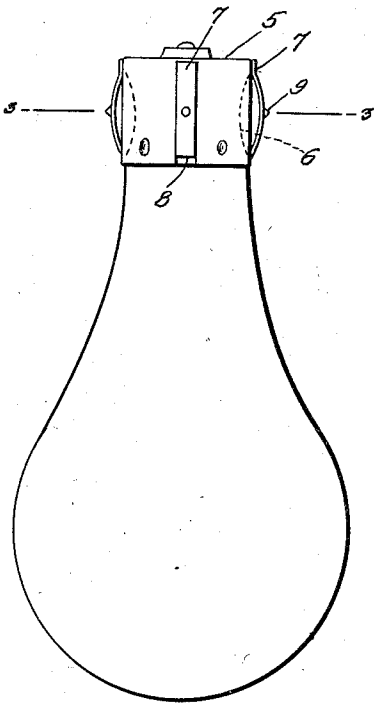


Fig. 2

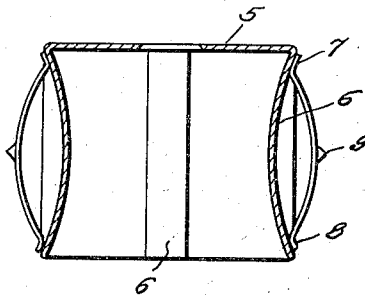


Fig. 4

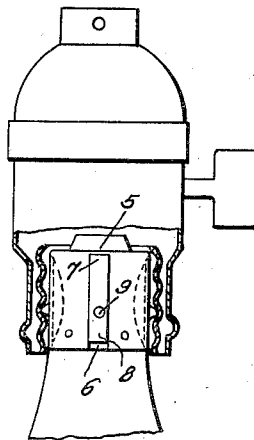
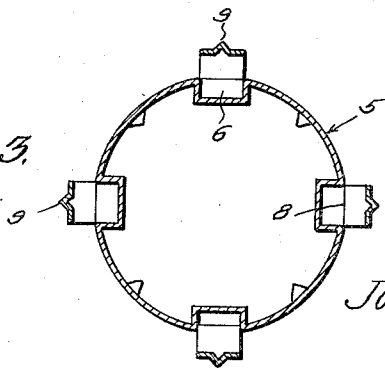


Fig. 3



Inventor

John Huber,

By *Clarence A. O'Brien*
Attorney

UNITED STATES PATENT OFFICE

JOHN HUBER, OF CINCINNATI, OHIO

ELECTRICAL APPLIANCE CONNECTION

Application filed March 13, 1929. Serial No. 346,649.

This invention relates to an improved connecting device for use in association with various electrical appliances, particularly electric bulbs, house current supply cords and the like. There are various kinds of electrical connections now employed for this purpose, but as a general rule where electric bulbs and the like are concerned, the electrical connection is made through the medium of an internally screw threaded socket receiving a screw plug on the bulb.

My idea is to generally improve upon this arrangement by retaining the screw threaded socket, and providing the bulb with an improved and individual type of plug or connector which is characterized by a cap carrying a plurality of circumferentially spaced resilient retaining devices which may be snapped into the socket or easily withdrawn therefrom, whereby to effect a dependable, yet more convenient type of connection.

In the drawings:

Figure 1 is an elevational view of a bulb equipped with a connecting device in accordance with the present invention.

Figure 2 is a vertical sectional view through the improved connector per se.

Figure 3 is a horizontal section taken approximately upon the plane of the line 3—3 of Figure 1, with the bulb removed.

Figure 4 is a fragmentary sectional and elevational view, showing the manner in which the improved bulb connecting device cooperates with the conventional screw socket.

In carrying out the invention I provide a metallic cap 5. This slips over the neck of the bulb and is suitably attached thereto in any convenient manner. This is provided with circumferentially spaced longitudinally curved recesses or grooves 6, and in each groove is an expansion retaining spring. This spring comprises a simple outwardly bowed spring leaf arranged in the groove and firmly attached to the top as at 7 and having its free end slidable as at 8. At the center or crest portion is an outstanding retaining detent or projection 9. These springs are particularly resilient to permit the bulb

to be bodily snapped into the conventional socket 10, as shown in Figure 4.

The simplicity of the invention is such as to make it unnecessary to consider the invention in greater detail. Therefore a more lengthy description is regarded unnecessary.

Minor changes in the shape, size and rearrangement of details coming within the field of invention claimed, may be resorted to in actual practice, if desired.

I claim:

1. As a new article of manufacture, an appliance connector comprising a cap-like body provided with a plurality of circumferentially spaced longitudinally bowed retaining springs, said body being formed with inwardly curved grooves cooperating with said springs.

2. As a new product of manufacture, an appliance connector comprising a cap including a rim portion having circumferentially spaced inwardly depressed grooves, and an outwardly bowed flat retaining spring associated with each groove, the spring being firmly anchored at one end and having the opposite end freely slidable in the corresponding end of the groove, the intermediate portion of the spring being formed with an outstanding retaining projection.

In testimony whereof I affix my signature.

JOHN HUBER.