

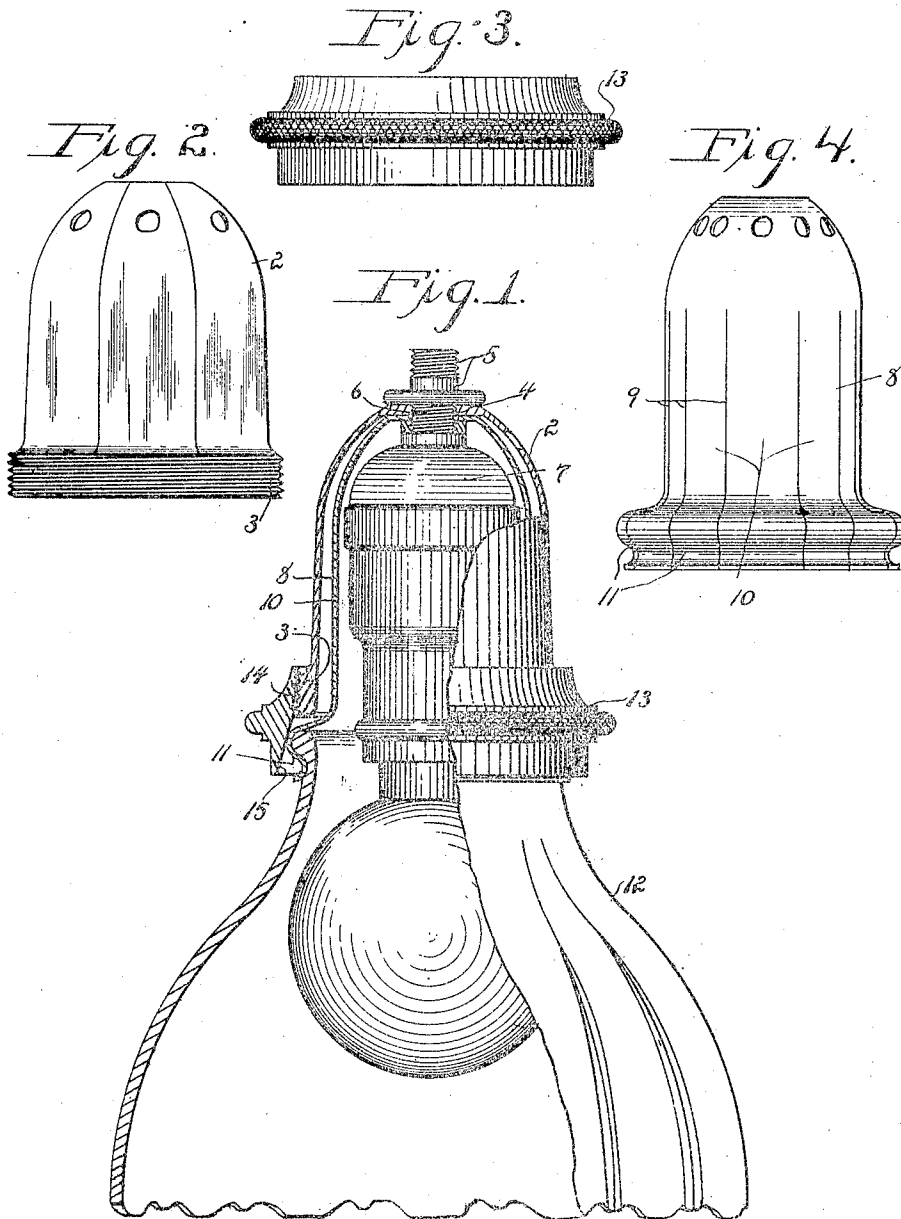
F. S. HUBBARD & A. P. HIRSCHFELD.

SHADE OR GLOBE HOLDER.

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1,056,682.

Patented Mar. 18, 1913



Witnesses
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UNITED STATES PATENT OFFICE.

FRANK S. HUBBARD AND ALFRED P. HIRSCHFELD, OF MERIDEN, CONNECTICUT, AS
SIGNORS TO THE BRADLEY & HUBBARD MFG. CO., OF MERIDEN, CONNECTICUT, A
CORPORATION.

SHADE OR GLOBE HOLDER.

1,056,682.

Specification of Letters Patent.

Patented Mar. 18, 1913.

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To all whom it may concern:

Be it known that we, FRANK S. HUBBARD and ALFRED P. HIRSCHFELD, citizens of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Shade or Globe Holders; and we do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitute part of this application, and represent, in—

Figure 1 a side view partly in vertical section of a shade or globe holder constructed in accordance with our invention and shown in connection with an incandescent electric lamp and shade therefor. Fig. 2 a side view of the bonnet, detached. Fig. 3 a side view of the clamping ring, detached. Fig. 4 a side view of the shade or globe holding shell, detached.

This invention relates to an improvement in shade or globe holders, and particularly to shade or globe holders for incandescent electric lamps, and more especially for the lamps for use in railway cars.

The object of this invention is to produce a shade or globe holder in which the shade or globe may be readily and conveniently applied or removed, which will hold a shade or globe firmly not only to prevent accidental removal, but also to prevent rattling; and the invention consists in the construction hereinafter described and particularly recited in the claims.

In carrying out our invention, we employ a metal bonnet 2, preferably of cast metal, of any approved design, provided at its lower edge with screw threads 3, and at the upper end with a threaded opening 4, for connection with a coupling-piece 5, this coupling-piece having a threaded stem 6 to which an ordinary incandescent electric lamp socket 7 is attached. Surrounding the socket within the bonnet and held between the upper end of the socket and the bonnet is a shade or globe holding shell 8 formed with a series of slots 9 providing a series of spring-fingers 10 the lower ends 11 of which are bowed outward and then slightly inward, conforming to the upper edge of a shade or globe 12. Surrounding the bonnet is a cou-

pling ring 13 having near its upper edge threads 14 for engagement with the threads 3 and having the inner surface 15 of its lower edge flaring outward so as to crowd the spring fingers 11 against the edge of a shade or globe.

To insert a shade or globe, it is only necessary to turn the coupling ring upward away from the spring fingers 11 which are then free to spring outward sufficiently for the introduction of the upper edge of the shade or globe within them. When the shade or globe is inserted within the spring fingers the coupling ring 13 is screwed down into position when the lower edge will clamp against the spring fingers 11 and crowd them into close engagement with the shade or globe, and this may be safely done with sufficient friction to prevent the ring from withdrawing due to any jarring action which may take place.

By providing a cast metal bonnet, a very firm fixture is provided and the spring shade or globe holder is fully protected; and while we prefer to employ a cast metal bonnet and cast metal clamping ring, it is conceivable that the bonnet might be struck up from heavy sheet metal.

We claim:—

1. A shade or globe holder comprising a bonnet externally threaded at its lower end, a shade or globe holding shell within said bonnet and formed at its lower edge with spring fingers, and a clamping ring surrounding the bonnet and having threaded engagement with the lower edge thereof and projecting below the lower edge of the bonnet into engagement with said spring fingers.

2. A shade or globe holder comprising a bonnet adapted to be engaged at its upper end with a coupling-piece, said bonnet formed at its lower edge with external threads, a shade or globe holding shell within said bonnet and projecting beyond the lower end thereof, said shade or globe holding shell provided at its lower end with spring fingers, and a coupling ring having threaded engagement with the lower end of the bonnet and projecting below the lower end thereof into engagement with said spring fingers.

3. In a shade or globe holder, the combination with a bonnet, of a coupling piece with which said bonnet is engaged, said bon-

net formed at its lower end with external threads, a lamp socket within said bonnet and connected with said coupling piece, a shade or globe holding shell surrounding
5 said socket within said bonnet, said shade or globe holding shell formed with a plurality of spring fingers, the outer ends of which project outward beyond the edge of said bonnet, and a coupling ring having threaded
10 engagement with the bonnet and extending beyond the same and adapted to contract the

spring fingers of the shade or globe holding shell.

In testimony whereof, we have signed this specification in the presence of two subscrib- 15
ing witnesses.

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