R. B. BENJAMIN.

SUBBASE FOR CLUSTER SOCKETS.

APPLICATION FILED JULY 6, 1909. RENEWED NOV. 14, 1913.

Patented July 7, 1914.

1,102,383.

Fig. 1.

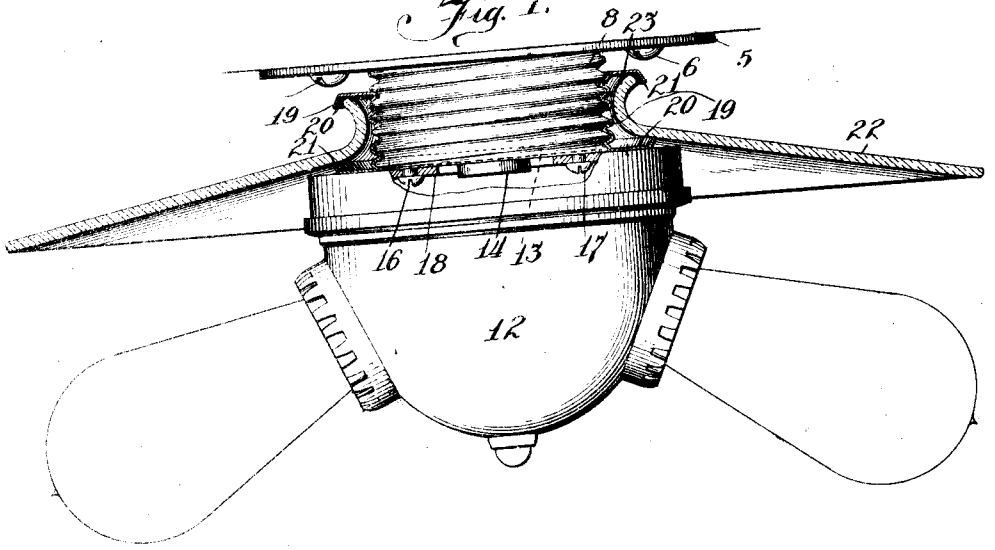


Fig. 2.

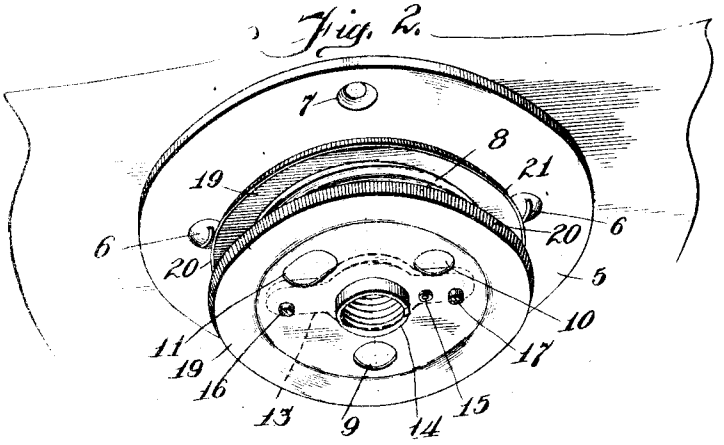


Fig. 3.



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UNITED STATES PATENT OFFICE.

REUBEN B. BENJAMIN, OF CHICAGO, ILLINOIS, ASSIGNOR TO BENJAMIN ELECTRIC MANUFACTURING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

SUBBASE FOR CLUSTER-SOCKETS.

1,102,383. Specification of Letters Patent. Patented July 7, 1914.

Application filed July 6, 1909, Serial No. 506,114. Renewed November 14, 1913. Serial No. 801,053.

To all whom it may concern:

Be it known that I, REUBEN B. BENJAMIN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Subbases for Cluster-Sockets, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawing, forming a part of this specification.

This invention relates to improvements in sub-bases for plural or cluster lamp-holding devices, the principal object of the invention being to provide simple and efficient means for supporting a reflector or shade which extends over the plural socket and the lamps carried thereby.

In the accompanying drawings, Figure 1 shows the device in use, the reflector, portions of the sub-base, and the back plate of the cluster socket being in section, while the socket and the rest of the lamps are shown in elevation; Fig. 2 is a perspective view of the sub-base without the lamp-holding device or lamps; and Fig. 3 is an elevational edge view of a shade-supporting ring used in connection with this sub-base.

In the several figures, in which like reference numerals indicate the same parts throughout, 5 is a ring-shaped plate which is designed to be secured to the ceiling of a room or to some other suitable support, by means of screws 6, 6. In some cases it may be desired to support the device upon the cover which is provided upon the lower side of an outlet box, and as there are outlet boxes of different sizes in common use the holes through which the screws 6, 6 are shown as passing are set closer together than are the holes 7, 7. The holes in which are arranged screws 6, 6 are intended for use with one size of outlet box in common use, while the holes 7, 7 are for use with a larger size of outlet box. Extending downward from the inner edge of the flange plate 5 is a hollow shell 8 having screw threads rolled or otherwise formed thereon. This shell is cup-shaped and is provided in its bottom with three openings 9, 10 and 11 through which the supply wires may be led down into the cluster socket 12 and secured to the binding terminals thereof. Secured to the inner side of the bottom of this shell is a plate 13 of heavy material having its middle portion perforated and the metal around the edge of the perforation stamped outwardly to form a collar 14, this collar being afterward interiorly threaded to receive a pipe or the like when it is desired to support the cluster socket by means of a short pipe, as is sometimes done. This collar 14 projects through a suitable opening in the center of the bottom of the cup-shaped part 8, the plate 13 being held in position by a rivet 15. The plate 13 and the bottom of the cup-shaped part 8 are perforated for the reception of screws 16 and 17, these openings being screw threaded. The screws 16 and 17 are provided for securing the back plate 18 of the cluster socket to the under side of the cup-shaped part when this method is to be employed.

A pair of rings 19, of the form shown in Fig. 3, extend around the cup-shaped part 8 of the device, being threaded so as to be adjustable up and down on said part by rotation of the rings. Each of these rings has an outwardly extending flange 20 provided with an upturned edge 21. When the rings are placed in position, the upper one is inverted, as clearly shown in Fig. 1. The reflector 22 may be of the usual form and has its inner edge turned outwardly and slightly upward at 23. By screwing the upper ring 19 down upon the shade the latter is firmly held in position, because the flaring edge 23 rests within the inverted cup-shaped flange 20 of the ring 19, while the outer edge of the lower ring bears against the under side of the shade and supports the same. As the rings 19 are adjustable up and down on the sub-base, it is possible to accommodate shades which vary slightly from the standard in thickness and in the height of the part which is confined between the rings 19, 19.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. The combination of a cup-shaped body having exterior screw threads, means for securing a plural lamp socket to the under side of said body, and means for holding a reflector, said means comprising a pair of threaded rings on said body having each a flange extending outward from said body, said flanges being arranged to grip the reflector between them.

2. The combination of a threaded cup-shaped shell having an outwardly extending

flange perforated for the passage of securing means, a pair of threaded rings screwed upon said shell and having each an outwardly extending flange, said flanges being adapted to receive a reflector between them, and means for securing a lamp-holding device to the under side of said shell.

3. The combination of a cup-shaped shell having an outwardly extending flange perforated for the passage of securing means, a pair of rings extending around said shell and having each an outwardly extending flange, each of said rings being mounted so as to be capable of upward and downward adjustment upon said shell, said flanges being adapted to receive a reflector between them, and means for securing a lamp-holding device to the under side of said shell.

4. The combination of a cup-shaped shell having threads rolled thereon, a flange at the upper edge of said shell, means for securing a lamp-holding device to said shell, and a pair of rings threaded upon said shell and adapted to receive a reflector between them.

In witness whereof, I have hereunto subscribed my name in the presence of two witnesses.

REUBEN B. BENJAMIN.

Witnesses:
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