

J. S. STEWART.
CONDUIT RECEPTACLE.
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914,762.

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Fig. 1.

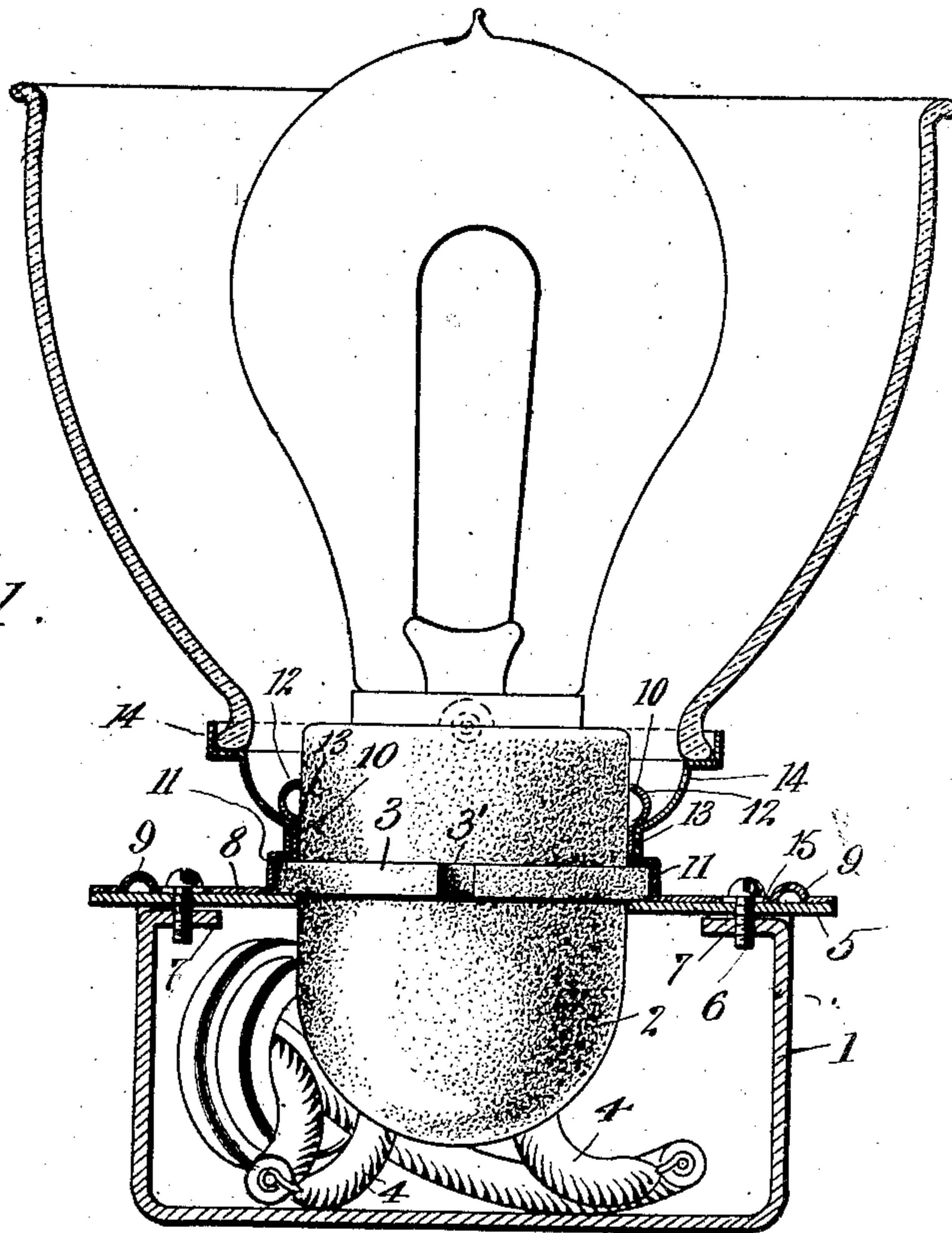
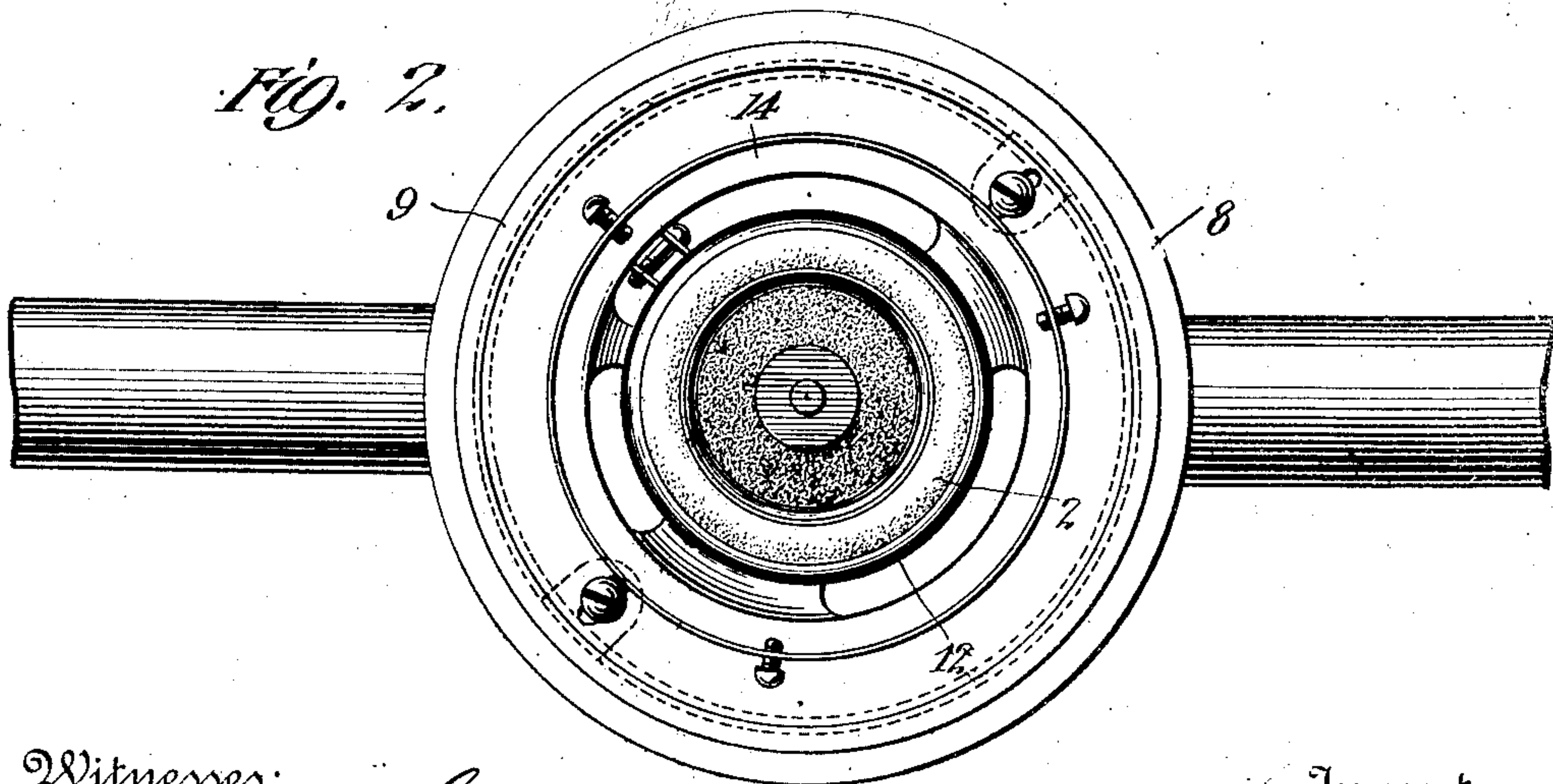


Fig. 2.



Witnesses:
James S. Stewart
Author

Inventor
James S. Stewart
By the Attorneys
Rosenbaum & Stockbridge

UNITED STATES PATENT OFFICE.

JAMES S. STEWART, OF NEW YORK, N. Y., ASSIGNOR TO ANNIE STEWART, OF NEW YORK, N. Y.

CONDUIT-RECEPTACLE.

No. 914,762.

Specification of Letters Patent.

Patented March 9, 1909.

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To all whom it may concern:

Be it known that I, JAMES S. STEWART, a citizen of the United States, residing at the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Conduit-Receptacles, of which the following is a full, clear, and exact description.

My invention relates to receptacles and appliances particularly for use in conduit wiring, although the present invention is applicable to use in sign receptacles and other relations.

In some aspects the present invention is an improvement on the construction shown in my prior application No. 401,932, filed November 13, 1907.

Conduits are now extensively used in buildings for incasing all the electric light-wires, this system giving the maximum possible protection both against fire and injury to the wires. The conduit pipes run in short straight lengths between what are known as outlet boxes which are virtually enlargements in the conduit at which the circuit wires are accessible. These outlet boxes may be used as locations for lamp receptacles or rosettes, or they may merely serve as "pull boxes" for stretching or pulling the circuit wires through the conduit pipes. In most cases the boxes are normally used to receive lamp sockets or receptacles, but are employed as pull boxes as occasion requires. If the box receives a lamp receptacle or rosette, it is obviously desirable to have the connection made as securely or firmly as possible, and with the minimum amount of tapping and drilling and machine work. It is also important to have the receptacle take up as little room as possible in the outlet box in order that there may be space enough left for the various loops and connection wires which have to be packed away in these outlet boxes.

In carrying out the present invention, I provide a form of receptacle or appliance which is applicable for use with the ordinary outlet box and which secures the above-mentioned characteristics. For this purpose, I make use of a special retaining plate or device which is applied on the outside of the usual or other cover of the outlet box. In this way, the receptacle is firmly anchored in place without any tapping or drilling or

machine work whatever. At the same time the maximum amount of space is left within the box for making the connections and storing away the surplus loops and ends of the wire connections. I also provide a complete porcelain housing which surrounds all the electrified parts. Finally, by the present invention, I arrange for supporting a shade holder of the usual form, which does not rely upon a special receiving groove in the porcelain body of the receptacle or appliance.

With these and other objects in view, my invention consists in the features of construction and combination, as hereinafter set forth and claimed.

In the drawings: Figure 1 is a view partly in vertical section of a lamp receptacle applied to an outlet box and embodying the principles of my invention. Fig. 2 is a plan view of the same with the shade removed.

Referring to the drawings in which like parts are designated by the same reference sign, 1 indicates an outlet box of the usual or any approved construction.

2 designates an insulating body which may be a receptacle, rosette or other appliance which I form of integral porcelain, and having a circumferential rib or bead 3, extending equatorially thereabout for the whole or a portion of the complete circumference. The interior construction of the receptacle may be of any desired sort, having terminal wires 4, issuing at the bottom surface for establishing the necessary circuit connections.

5 designates a cover plate which may be the usual cover plate of the outlet box and designed to be held thereto by screws 6, which enter the lugs 7, forming part of the outlet box.

8 designates a retaining plate or device forming part of the present invention, and which fits over the cover plate 5, being of a size substantially corresponding thereto. In practice, I make the plate 8 of comparatively thin metal circumferentially beaded at 9, to stiffen it and give it a more ornamental appearance.

10 designates a centrally projecting shell or extension forming part of the plate or retaining device 9, being stamped or drawn therefrom in an ordinary manner which

will be well understood by those skilled in the art. The shell 10 constitutes a sleeve surrounding the body 2 and has an enlargement 11 adapted to fit over the rib or bead 3 thereof. At some point (not shown) on its periphery, this enlargement 11 is embossed inward so as to form a projection cooperating with the notch 3' in the body of the receptacle, so as to prevent rotation.

12 designates a rib or bead forming part of the shell or sleeve 10 and spaced apart from the enlargement 11 a sufficient distance to establish a groove 13 therebetween. The groove 13 is adapted to serve in lieu of the usual groove which is molded in or made integral with forms of porcelain receptacles adapted to receive a shadeholder 14. It is advantageous to do away with this direct groove in the porcelain which is a difficult and expensive construction.

The use and operation will be sufficiently understood from the preceding description. The outlet box 1 is always available to serve its ordinary functions as a pull box. When it is desired to apply a receptacle or similar appliance, of the form constituting my present invention, it is merely necessary to insert the latter through the usual or other cover plate 5 and then apply the retaining device 8 which fits over the rib 3 and firmly anchors the receptacle in place. This retaining device has holes or slots 15, through which the usual screws 6 of the outlet box may be passed. The receptacle is now complete for use, being firmly anchored in place without any tapping or drilling or machine work having been performed. There is sufficient room left within the outlet box for any wires or loops or extensions, and all of the electrified parts are inclosed in a vitreous housing which separates them from the metal of the outlet box. The shadeholder 14 is applied in the groove 13 in exactly the same way that shadeholders of this type are ordinarily applied to an integrally formed groove of the porcelain, as above described.

What I claim, is:—

1. In combination with an outlet box having a perforated cover plate, a body received through said perforated cover plate, and freely removable means adapted to be fastened on the outside of the cover plate for anchoring said body in place.

2. In combination with an outlet box having a perforated cover plate, fastening means therefor, a body having a complete vitreous housing received through said perforated cover plate, and freely removable means adapted to be fastened on the outside of the cover plate for anchoring said body in place and secured thereon by said fastening means for the cover plate.

3. In combination with an outlet box having a perforated cover plate, a receptacle

having a complete vitreous housing received through said perforated cover plate, and freely removable means adapted to be fastened on the outside of the cover plate for anchoring said receptacles in place.

4. In an electrical appliance, an outlet box having a cover plate with a hole, a porcelain body received in said hole and having an equatorial rib, and a retaining device having a shell or sleeve extension adapted to surround said body and having an enlargement cooperating with said plate to inclose said rib.

5. In an electrical appliance, an outlet box having interior lugs and having a cover with a hole, a body received in said hole and having an equatorial rib, and a retaining device having a shell or sleeve extension adapted to surround said body and having an enlargement cooperating with said plate to inclose said rib, said retaining device and plate having registering holes adapted to receive screws to enter said lugs.

6. In combination with an outlet box, a cover plate therefor, having a hole; a body received in said hole and having an equatorial rib, and a retaining device having a circularly extending bead near its outer edge and having a shell or sleeve extension adapted to surround said body, said extension having an enlargement cooperating with said plate to inclose said rib.

7. In combination with an outlet box having a perforated cover plate, a body having a complete vitreous housing received through said perforated cover plate, and means fastened on the outside of the cover plate by the usual fastening screws for securing said body in place.

8. In an electrical appliance, a body having an equatorial rib, and a retaining device having a sleeve or extension with an enlargement adapted to surround said rib, and a circumferential bead, said enlargement and bead establishing a groove therebetween to receive a shadeholder.

9. In an electrical appliance, a plate having a hole, a body received in said hole and having an equatorial rib, and a retaining device having a shell or sleeve extension adapted to surround said body and having an enlargement cooperating with said plate to incase said rib, said extension also having an equatorial bead spaced apart from said enlargement to establish a groove therebetween to receive a shadeholder.

10. In combination with an outlet box, a pair of centrally perforated plates together constituting a cover for the box, and a body having a rib received between said plates, and extending through the perforations thereof.

11. In combination with an outlet box, a pair of perforated plates larger than the outlet box and constituting a cover therefor,

and a receptacle having an equatorial rib received between said plates, and extending through the perforations thereof into said outlet box.

5. 12. In combination with an outlet box, a pair of perforated plates larger than the outlet box and constituting a cover therefor, and a receptacle having an equatorial rib received between said plates, and extending

through the perforations thereof into said outlet box, said plates being secured to said box by the usual fastening screws thereof.

In witness whereof, I subscribe my signature, in the presence of two witnesses.

JAMES S. STEWART

Witnesses:

FRANK S. OBER,

WALDO M. CHAPIN.