

Jan. 9, 1923.

G. B. THOMAS.
LAMP RECEPTACLE.
FILED JUNE 3, 1918.

1,442,013.

Fig. 1.

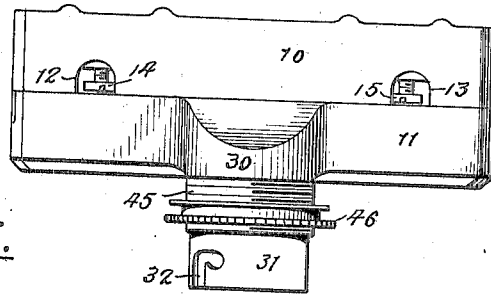


Fig. 6.

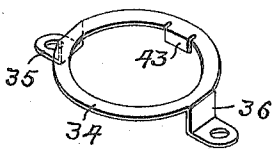


Fig. 2.

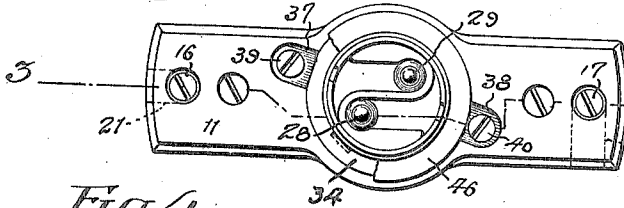


Fig. 7.

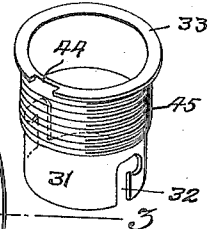


Fig. 4.

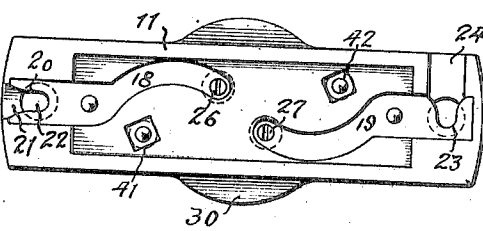


Fig. 5.

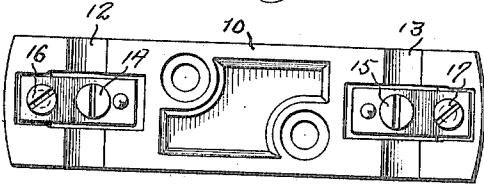
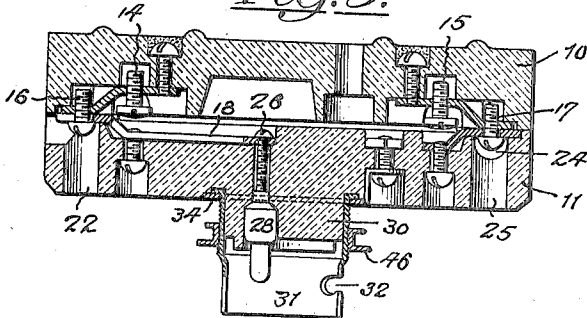


Fig. 3.



Inventor

GEORGE B. THOMAS

By his Attorneys

Strom and Strom

UNITED STATES PATENT OFFICE.

GEORGE B. THOMAS, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE BRYANT ELECTRIC COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

LAMP RECEPTACLE.

Application filed June 3, 1918. Serial No. 237,901.

To all whom it may concern:

Be it known that I, GEORGE B. THOMAS, a citizen of the United States of America, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Lamp Receptacles, of which the following is a specification.

My invention relates to lamp receptacles and particularly to cleat receptacles, the object of my invention being to provide an improved receptacle of this type having the advantages set forth in the following specification or shown in the accompanying drawings, in which

Fig. 1 is a side elevation of a cleat receptacle in which my invention is embodied in one form;

Fig. 2 is a broken plan thereof;

Fig. 3 is a vertical section on the line 3—3, Fig. 2;

Fig. 4 is an inverted plan of the upper portion of the receptacle;

Fig. 5 is a plan of the lower portion of the receptacle alone;

Fig. 6 is a perspective of a holding ring;

Fig. 7 is a perspective of the lamp supporting shell.

As here illustrated, the present receptacle comprises a porcelain base in two parts 10 and 11, the lower portion being transversely grooved at 12 and 13 and having binding screw terminals 14 and 15 for establishing a running connection with the wire mains. The terminal straps are angled upward at their outer ends and carry clamping screws 16 and 17 by which mechanical and electrical connection is made with the terminal plates 18 and 19 mounted on the inner face of the base section 11. As here shown, the plate 18 has a forked end 20 adapted to be engaged by the clamping screw 16, the head of which is accommodated, during the assembly of the parts, in the longitudinal groove 21 in the lower face of the base section 11, while the latter is pierced at 22 to permit the insertion of a screw driver to tighten the clamping screw 16 after the parts 10 and 11 have been brought into register. The other terminal plate 19 has a hook end 23 adapted to be brought into engagement with the clamping screw 17 by swinging the upper base section 11 on the screw 16 as a pivot after the latter has been engaged in the crotch of the fork 20. A groove 24 in the porcelain base sec-

tion 11 accommodates the head of the screw 17 as this portion of the base is swung into position, while the hole 25 permits the insertion of a screw driver to tighten up this screw. At the inner ends of the plates 18 and 19 are screw bolts 26 and 27, respectively, which pierce the base section 11 and take into the tapped inner ends of the spring contact plungers 28 and 29 which form the terminals to receive the contacts of an Edison Swan lamp base. These terminals are seated in recesses formed in the outer face of the boss 30 projecting from the outer face of the base section 11.

In order to hold the lamp in position, I provide a shell 31 having bayonet slots 32 which open to the outer margin of the shell to permit the insertion of the usual holding pins on the lamp base. The inner end of the shell is flanged at 33 and seated in an annular depression around the base of the boss 30. It is engaged and held in this position by an overlying ring 34 with offset legs 35 and 36 which bottom in recesses 37 and 38 and are engaged by screws 39 and 40 which pierce the base section 11 and take into holding nuts 41 and 42 countersunk in the inner face of the base section 11. A tongue 43, offset from the ring 34, engages a notch 44 in the flange 33 of the shell 31 and prevents the latter from rotating.

The inner end of the shell 31 is threaded at 45 to receive a ring 46 by which a shade holder or shade flange may be secured between the ring and the outer face of the base section 11. Various modifications in detail may be made which do not depart from what I claim as my invention.

I claim:—

1. A lamp receptacle having an insulating base pierced by countersunk holes adapted to receive securing means, and having a seat on one face arranged between said holes, a lamp holding shell mounted on said seat and having a base flange, in combination with a securing ring overlying said flange and having lugs offset into said countersunk holes and pierced to receive securing screws together with receptacle contacts mounted on said base and arranged within said shell but insulated therefrom, substantially as described.

2. A lamp receptacle having an insulating base, lamp-engaging terminals mounted thereon, a lamp-supporting shell surrounding said

terminals but insulated therefrom and having an outwardly extending base flange, a holding ring engaging said flange to hold the shell in position on the base, means insulated, from said terminals and engaging said ring to secure it to the base, and means associated with said ring to prevent rotation of the shell with relation thereto.

3. A lamp receptacle having an insulating base, receptacle terminals projecting therefrom, a lamp holding shell surrounding said

terminals and insulated therefrom, a flange at the base end of said shell and a holding ring also insulated from said terminals and engaging said flange to hold the shell in position on the base, together with interlocking means between said ring and shell flange to prevent rotation of the shell. 15

In testimony whereof I have signed my name to this specification.

GEORGE B. THOMAS.