

No. 888,378.

PATENTED MAY 19, 1908.

M. M. WOOD.
ADAPTER FOR INCANDESCENT LAMP SOCKETS.
APPLICATION FILED NOV. 16, 1904.

Fig. 1.

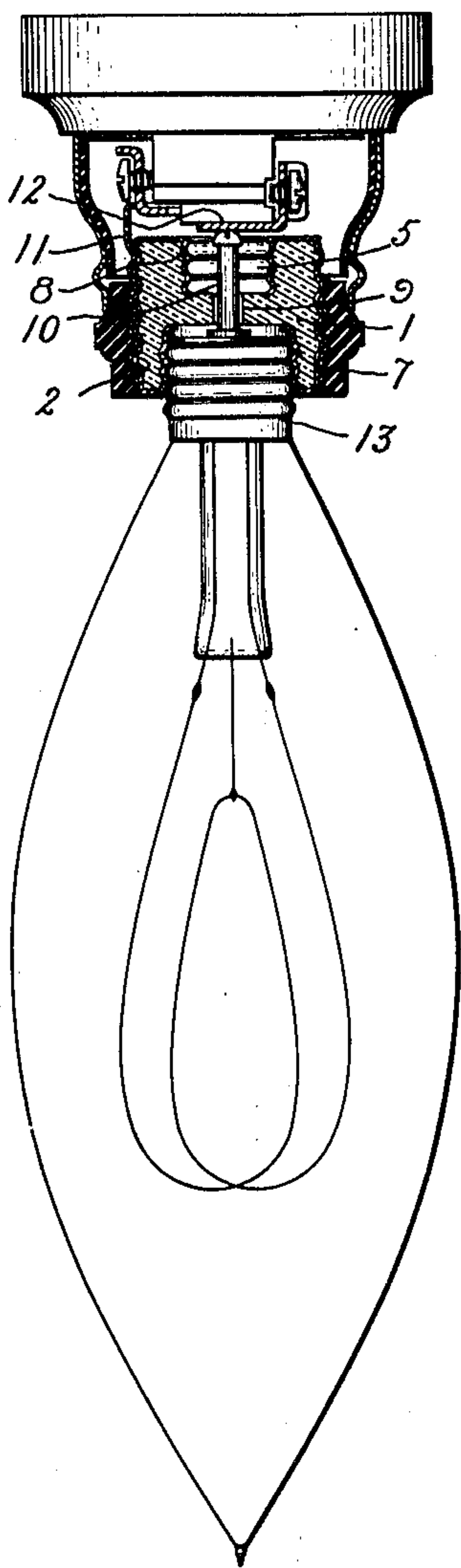
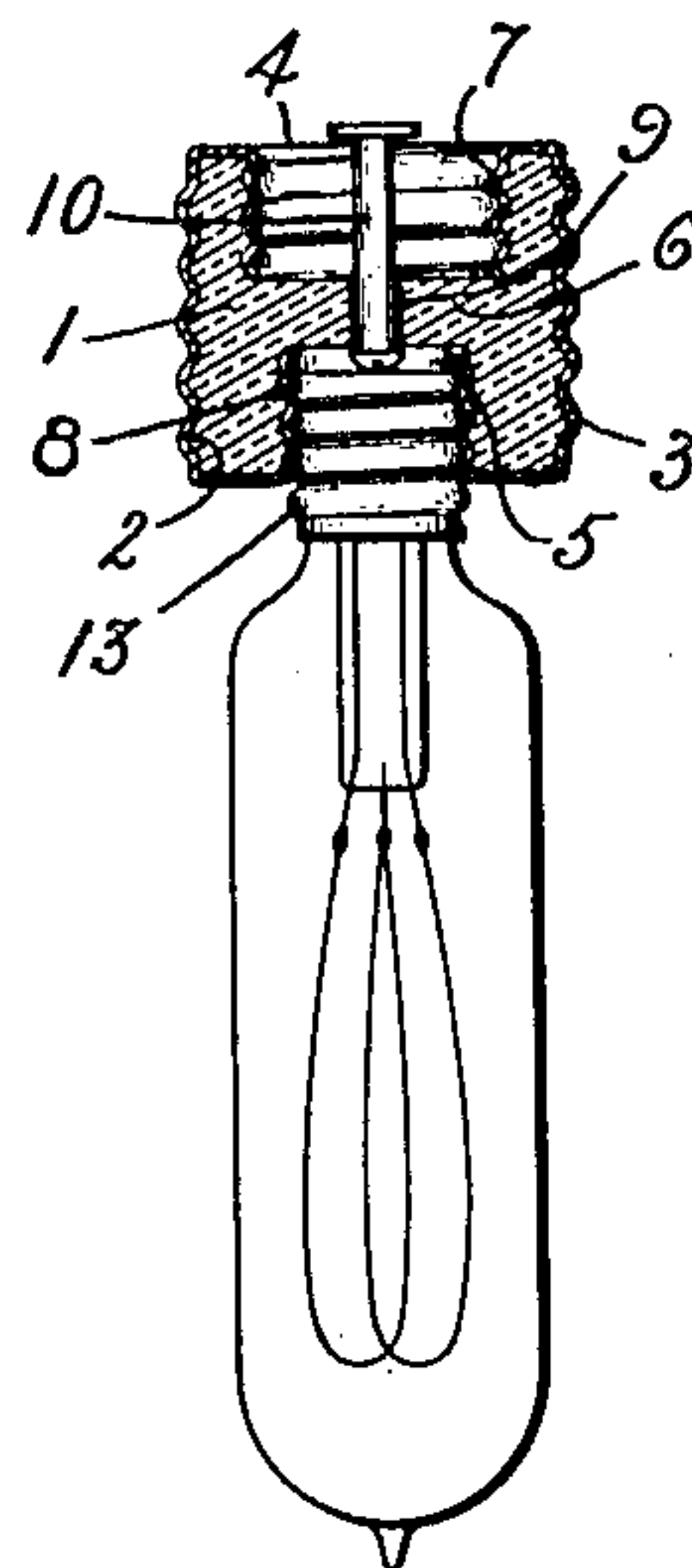


Fig. 2.



Witnesses:
George H. Tilden.
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Att'y.

UNITED STATES PATENT OFFICE.

MONTRAVILLE M. WOOD, OF SCHENECTADY, NEW YORK, ASSIGNOR TO GENERAL ELECTRIC COMPANY, A CORPORATION OF NEW YORK.

ADAPTER FOR INCANDESCENT-LAMP SOCKETS.

No. 888,378.

Specification of Letters Patent.

Patented May 19, 1908.

Application filed November 15, 1904. Serial No. 232,870.

To all whom it may concern:

Be it known that I, MONTRAVILLE M. WOOD, a citizen of the United States, residing at Schenectady, county of Schenectady, State of New York, have invented certain new and useful Improvements in Adapters for Incandescent-Lamp Sockets, of which the following is a specification.

The present invention relates to means for supporting and electrically connecting incandescent electric lamps in circuit, and more particularly to adapters for use in adapting a standard lamp socket or receptacle for the reception of an incandescent lamp of another form or size.

The object of my invention is to provide a compound adapter which may be used for adapting a standard socket or receptacle for the reception of more than one other type or size of lamp.

In carrying out my invention I provide a reversible adapter having lamp receiving means at both ends of different size or shape so that when inserted in a standard socket or receptacle it will receive a lamp of one type or size, and when inserted in the opposite direction it will receive a lamp of a different size or type.

For a more complete understanding of the invention, reference may be had to the following detailed description and the accompanying drawing forming a part of this specification, in which

Figure 1 shows in sectional elevation a standard Edison receptacle with an adapter embodying one form of my invention applied thereto and supporting an incandescent lamp having an Edison base of slightly smaller size than the base of the standard Edison lamp; and Fig. 2 is a vertical section of the adapter reversed and having in engagement therewith an incandescent lamp having an Edison base of still smaller size.

The adapter shown has a base 1 of porcelain or other insulating material of cylindrical shape having peripheral threads 2 formed thereon and a metallic screw shell 3 fitted tightly thereto. In the ends of the base are formed cylindrical cavities 4, 5 of different diameters and separated at their inner ends by a transverse barrier 6. The walls of the

cavities are provided with screw threads and have fitted thereon metallic screw shells 7, 8 which are connected at their outer ends with the adjacent ends of the outer shell 3. Extending axially through the barrier 6 is an aperture 9 in which is slidably mounted a double headed pin or bolt 10 which constitutes a center contact for the adapter.

The standard Edison lamp socket or receptacle is, as shown in Fig. 1, provided with a threaded outer contact 11 adapted to be connected to one side of an electric circuit, and a center contact 12 insulated from the outer contact and adapted to be connected to the other side of the circuit, and when an adapter constructed as above described is inserted therein the screw shells 7 and 8 are electrically connected to the contact 11 of the socket through their connections with the outer screw shell 3 and the contact of the latter with the inner surface of the contact 11 of the socket. When a lamp base 13 is inserted in one of the screw shells 7, 8 the center contact of the lamp engages the lower end of the pin or bolt 10 and forces it up until the upper end thereof engages the center contact 12 of the socket and thereby completing the electric circuit through the lamp.

I do not desire to restrict myself to the particular form or arrangement of parts herein described and shown, since it is apparent that they may be changed and modified without departing from my invention.

What I claim as new and desire to secure by Letters Patent of the United States, is,

1. A double ended adapter for sockets and receptacles having provisions at both ends for engaging and electrically connecting the outer contact of a lamp, and independently adjustable means for connecting the center contacts of a lamp and the socket or receptacle.

2. An adapter having a side contact electrically connected with contacts at both ends thereof, and a longitudinally-movable center contact.

3. An adapter having a base, a side contact, a shell contact at each end, and a longitudinally-movable center contact.

4. An adapter having a cylindrical base provided with end cavities, connected metallic shells respectively secured to the periph-

eries of said base and said cavities, and a metallic bolt or rod longitudinally movable through said base.

- 5 5. An adapter having a base, screw shell contacts of different sizes in opposite ends of said base, and a center contact insulated from both screw shells.

In witness whereof I have hereunto set my hand this 14th day of November, 1904.

MONTRAVILLE M. WOOD.

Witnesses:

ALEX. F. MACDONALD,
HELEN ORFORD.