

(No Model.)

W. C. BRYANT.  
SOCKET FOR INCANDESCENT ELECTRIC LAMPS.

No. 502,655.

Patented Aug. 1, 1893.

FIG. 1.

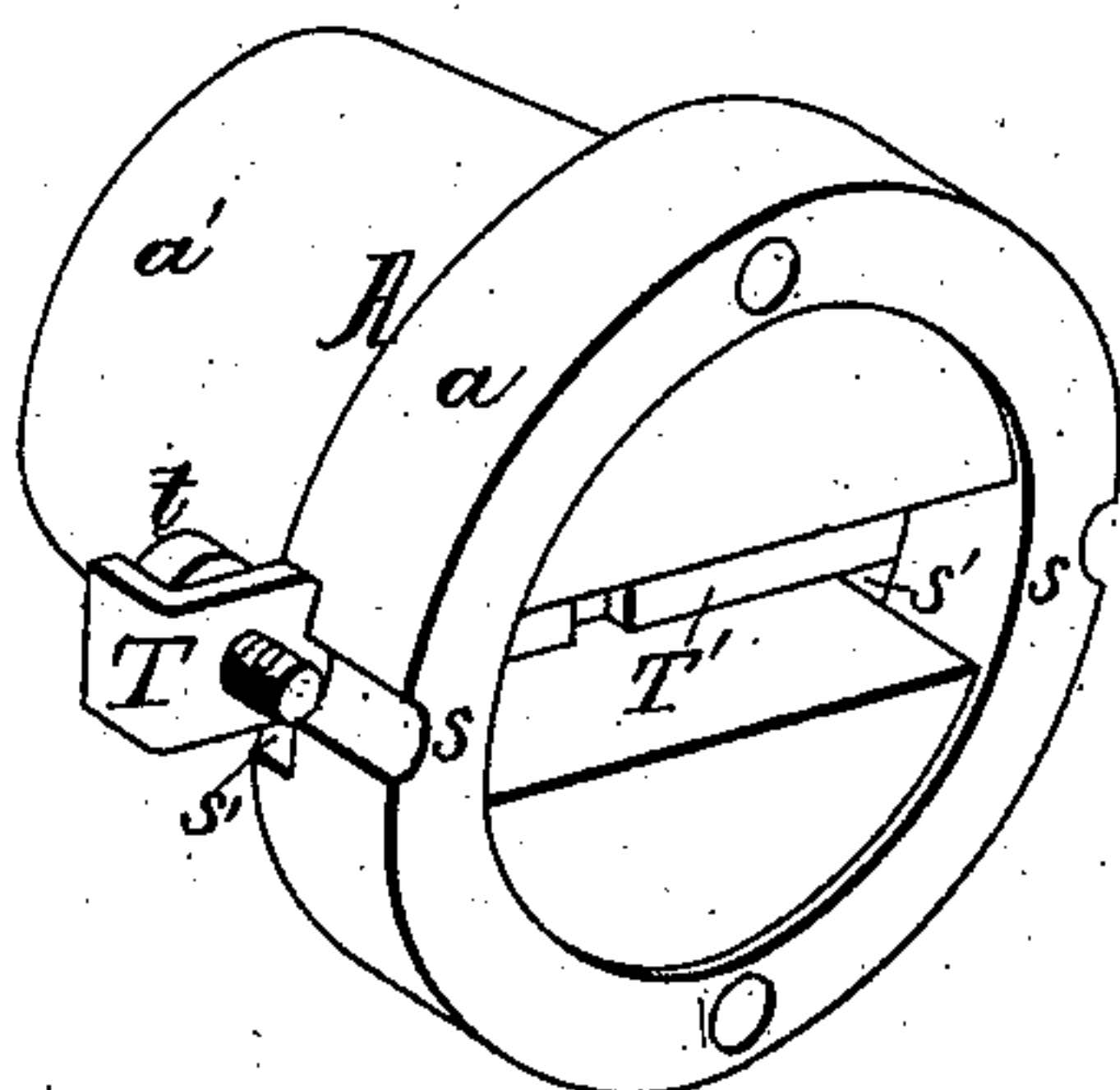


FIG. 2.

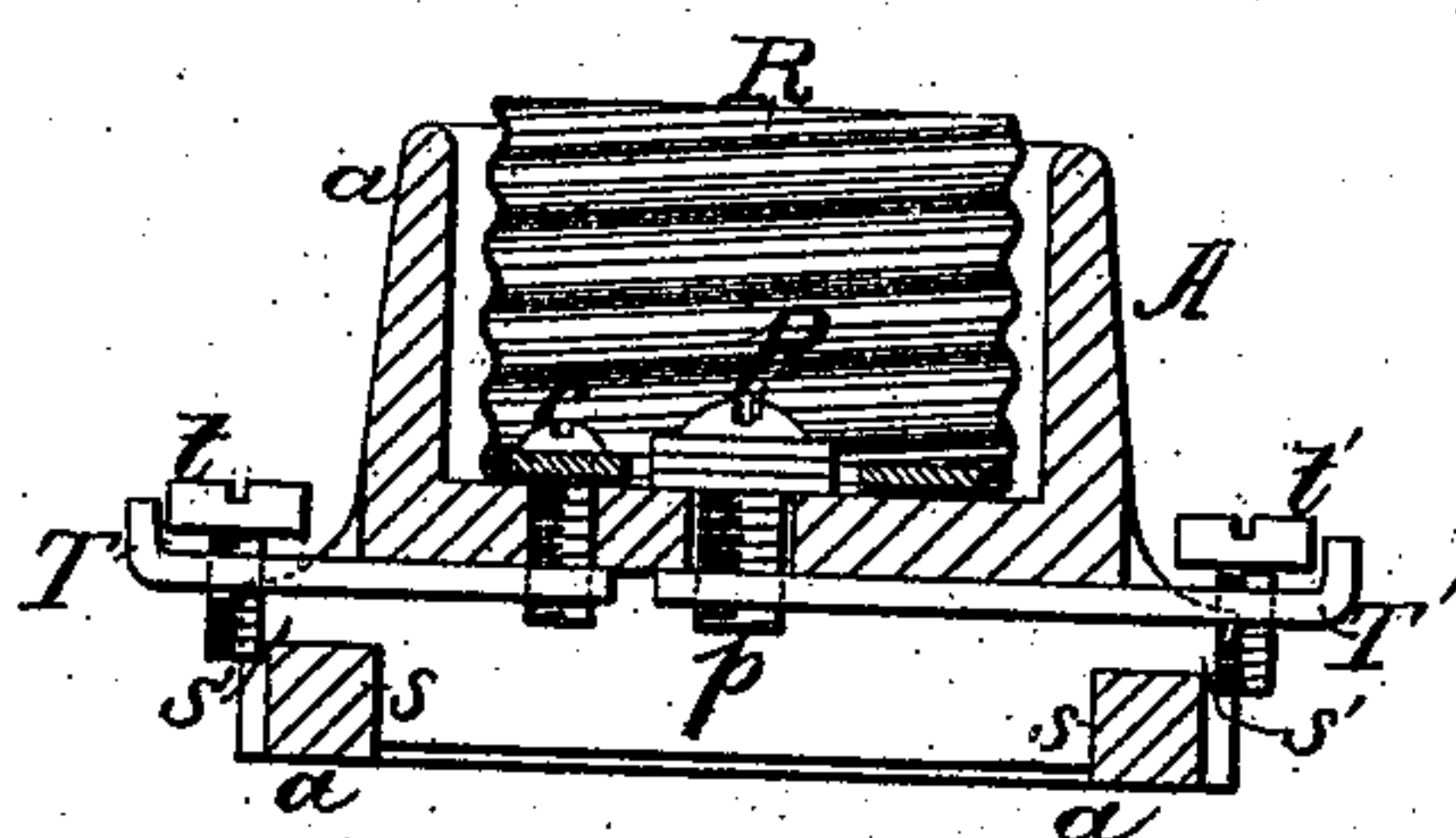


FIG. 3.

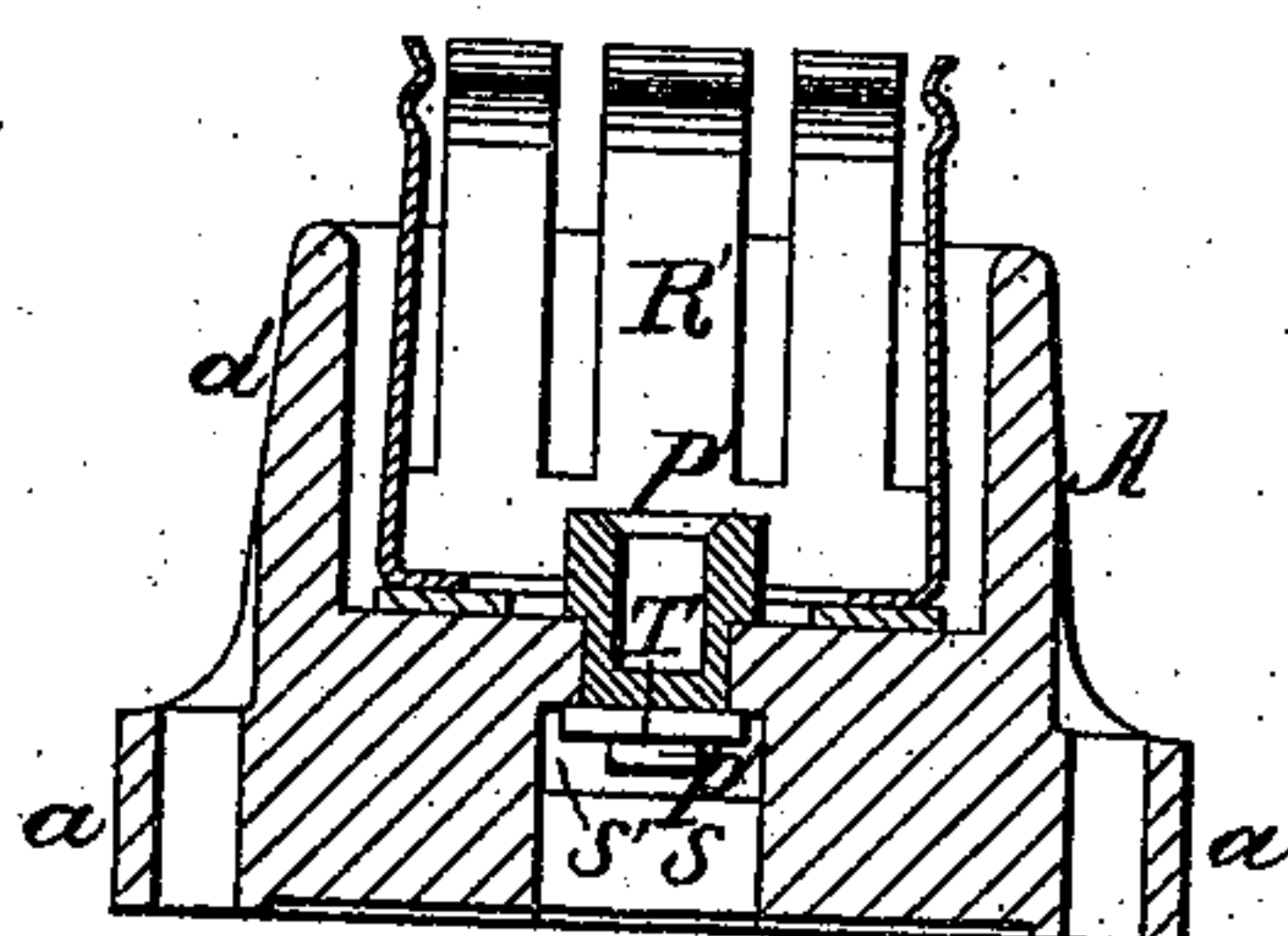
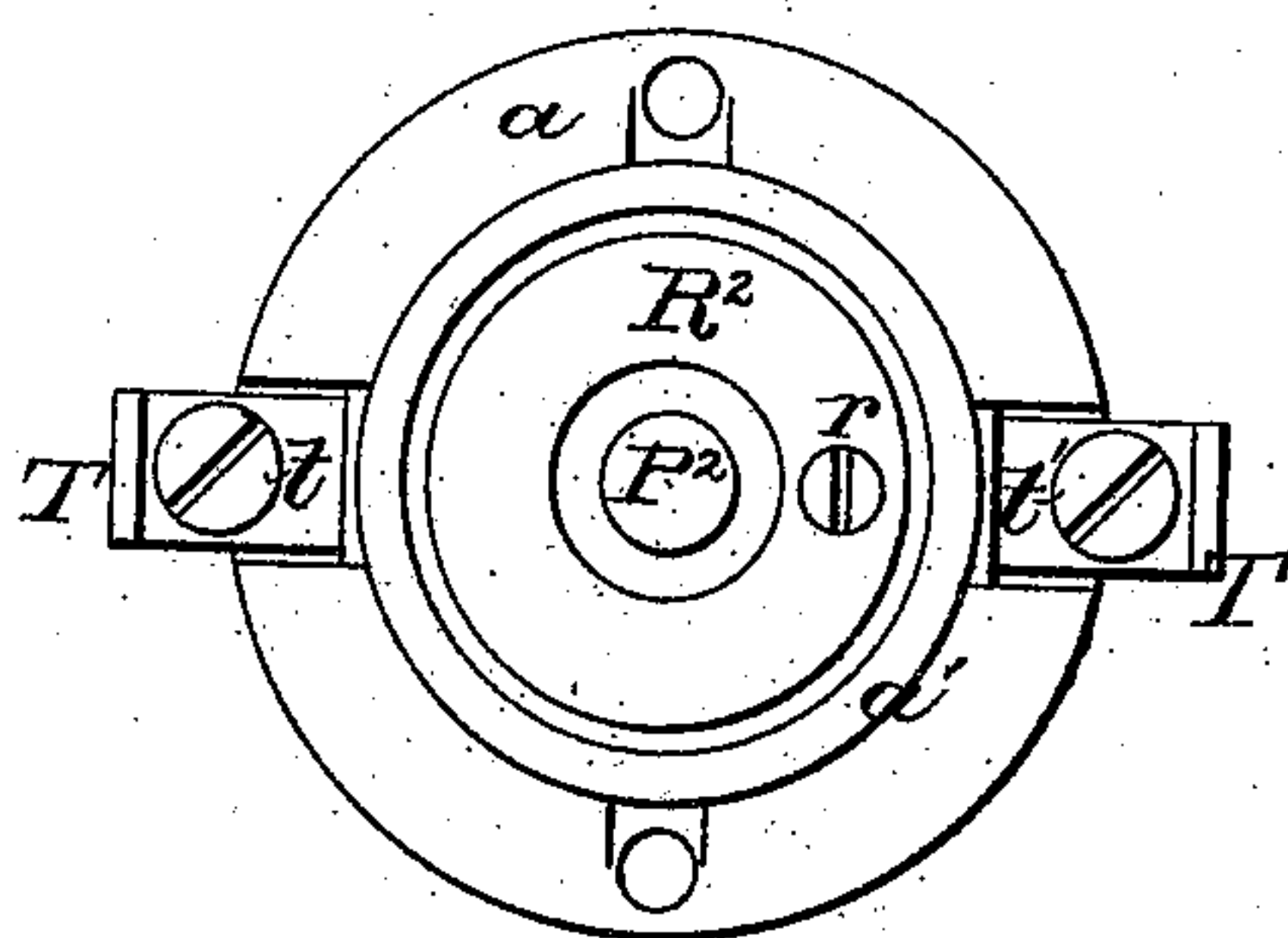


FIG. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WALDO C. BRYANT, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE  
BRYANT ELECTRIC COMPANY, OF SAME PLACE.

## SOCKET FOR INCANDESCENT ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 502,655, dated August 1, 1893.

Application filed May 6, 1893. Serial No. 473,274. (No model.)

*To all whom it may concern:*

Be it known that I, WALDO C. BRYANT, a citizen of the United States, and a resident of Bridgeport, Fairfield county, Connecticut, have invented an Improved Socket for Incandescent Electric Lamps, of which the following is a specification.

My invention consists of an improved socket for incandescent electric lamps, the socket being of the style commonly known as a wall socket, and the object of my invention is to make a socket of this character of porcelain or other such material, so that while it may be molded in one piece at one operation, it will, when combined with the metallic contacts and other metallic parts of the socket, form a very simple and strong construction.

In the accompanying drawings, Figure 1 is a perspective view of my improved socket, looking at the rear thereof. Fig. 2 is a section of the socket shown as provided with contacts for an Edison style of lamp base. Fig. 3 is a section at right angles to that of Fig. 2, showing the socket as provided with contacts for a Westinghouse style of lamp base; and Fig. 4 is a face or plan view of the socket shown as provided with contacts for a Thomson-Houston lamp base.

As already intimated, I prefer to form the body A of the socket of porcelain or some such suitable insulating material. It is made with a cylindrical base *a* and an upper tubular part *a'* preferably tapering on the outside and forming a deep pocket into which enters the base of the lamp. This pocket is provided therefore with two metallic contacts suitable for the style of lamp to be used. One of these contacts is usually central as at P, P', P<sup>2</sup>, while the other is usually annular, such as the threaded ring R (Fig. 2) for the Edison base, or the spring ring R' (Fig. 3) for the Westinghouse lamp or the flat ring R<sup>2</sup> (Fig. 4) for the Thomson-Houston lamp.

In the cylindrical base *a* on the under side is formed a transverse slot or recess S', which as shown in Fig. 1, is closed by bridge pieces

s s at its opposite ends, but leaving lateral openings s', s' back of the bridge pieces for the free passage therethrough of the flat metallic strips T and T'. These strips are connected each to one of the two contacts P, R (R' or R<sup>2</sup>) and are electrically connected thereto and mechanically secured to the body or base of the socket by the same screws, or rivets *p r* which secure the contacts P and R (R' or R<sup>2</sup>) to the body of the socket. These metal pieces T and T' project out through the openings s' s', where they are provided with binding screws *t t'* for the mechanical and electrical connection of the conductors.

The described construction, it will be evident, is very simple, and owing to the presence of the bridge pieces s, s', is quite strong, notwithstanding such fragile material as porcelain be used for the body of the socket.

I claim as my invention—

1. A wall socket for incandescent electric lamps, consisting of an insulating body having a pocket containing contacts for the base of the lamp and having a base part provided with lateral openings, through which freely pass separate metal plates carrying at one end binding screws for the conductors and secured at the other end to the body of the socket by the same means which secure the lamp contacts, substantially as described.

2. A wall socket for incandescent lamps consisting of an insulating body having a pocket containing contacts for the lamps and a base provided with a slot or recess in the bottom, bridge pieces closing the ends of the slot and lateral openings over the bridge pieces for the passage of the metallic connecting plates, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALDO C. BRYANT.

Witnesses:

EDITH J. GRISWOLD,  
HUBERT HOWSON.