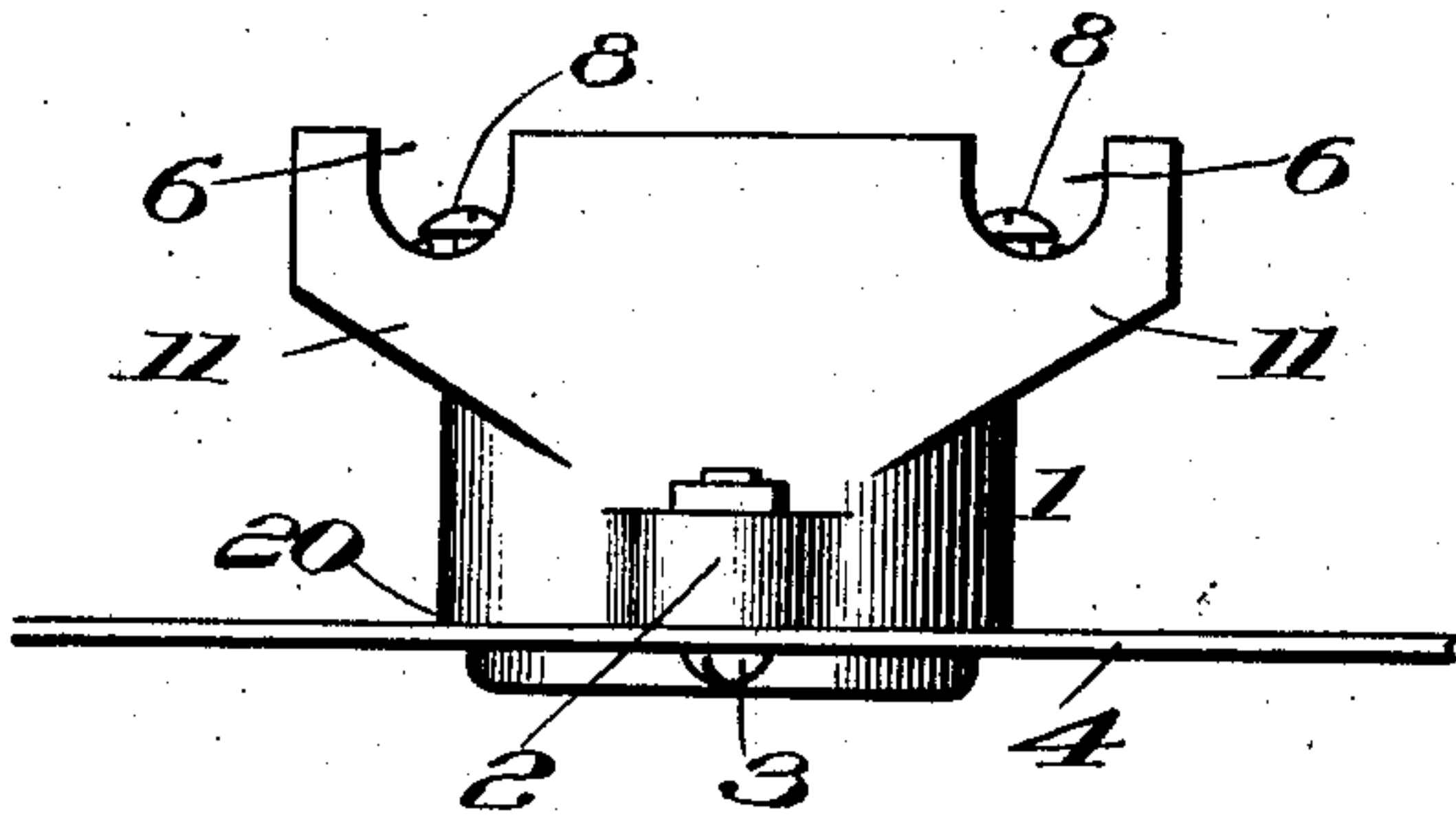


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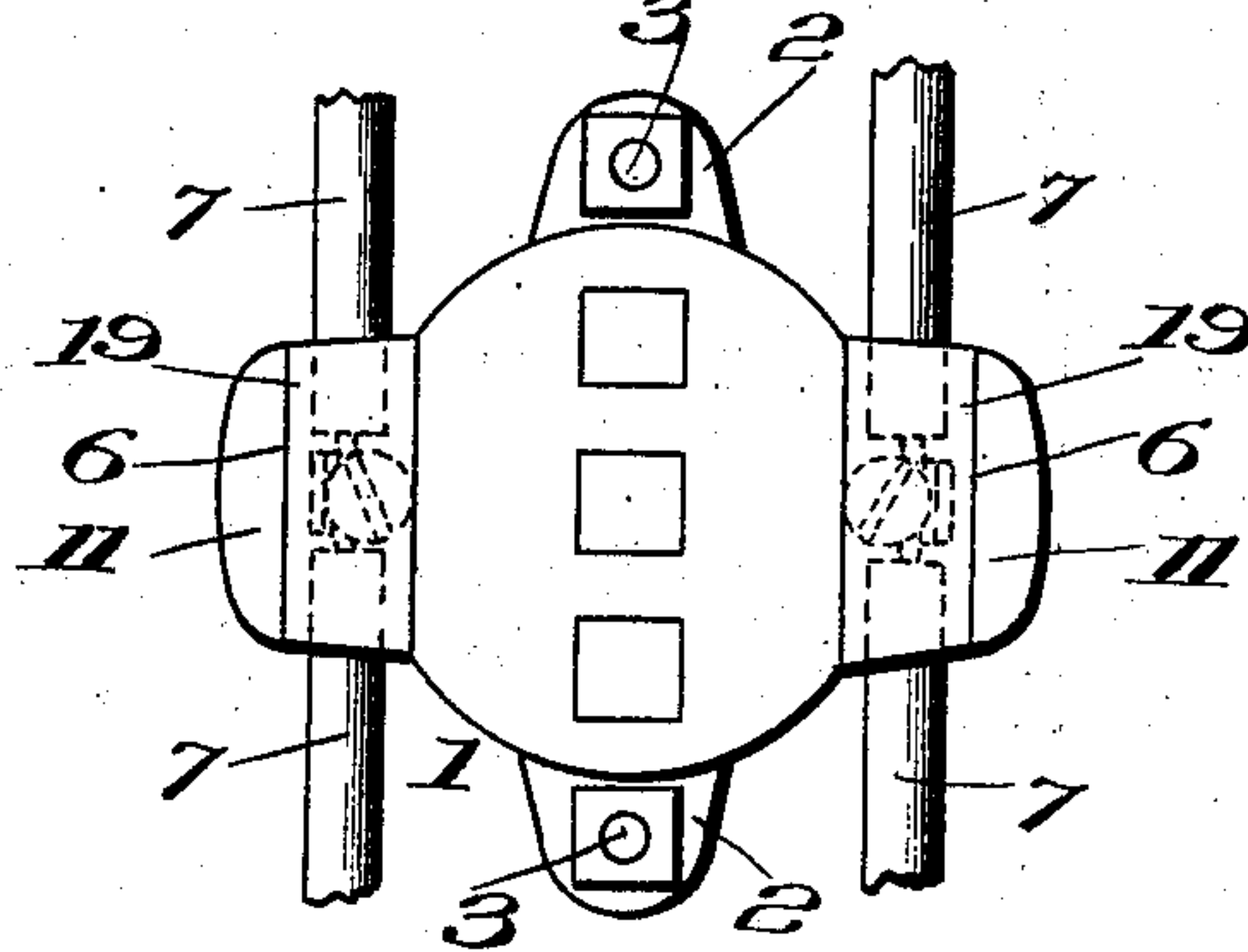
PATENTED JAN. 22, 1907.

B. E. SALISBURY.  
RECEPTACLE FOR INCANDESCENT ELECTRIC LAMPS.  
APPLICATION FILED AUG. 16, 1905.

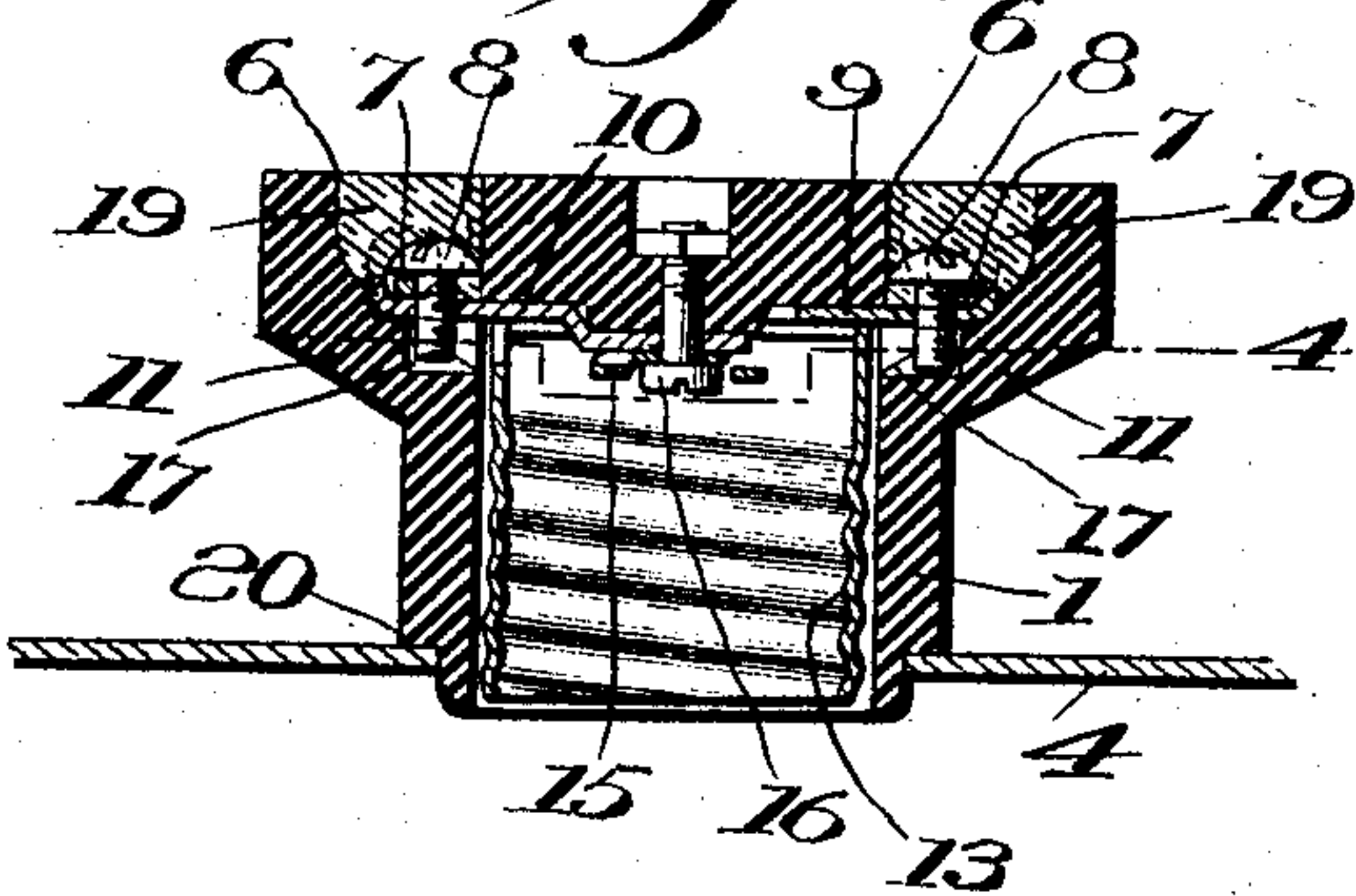
*Fig. 1.*



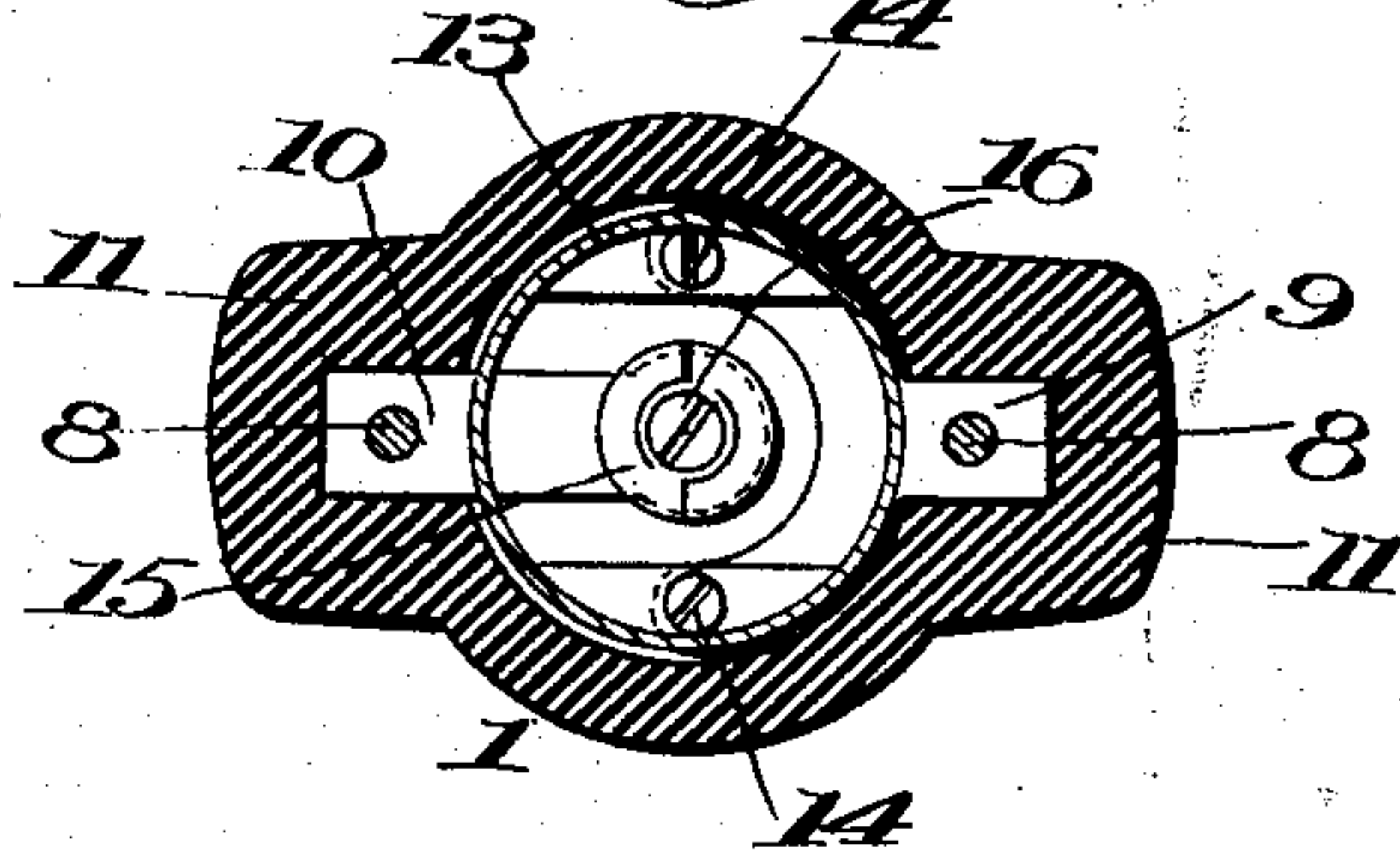
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



WITNESSES:

*Allan F. Gossel.*  
*M. B. Smith*

*Bert E. Salisbury* INVENTOR  
BY *His* ATTORNEY  
*Alfred Wilkinson*



# UNITED STATES PATENT OFFICE.

BERT E. SALISBURY, OF SYRACUSE, NEW YORK, ASSIGNOR TO PASS & SEYMOUR, INCORPORATED, OF SOLVAY, NEW YORK, A CORPORATION OF NEW YORK.

## RECEPTACLE FOR INCANDESCENT ELECTRIC LAMPS.

No. 842,020.

Specification of Letters Patent.

Patented Jan. 22, 1907.

Application filed August 16, 1905. Serial No. 274,459.

*To all whom it may concern:*

Be it known that I, BERT E. SALISBURY, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented certain new and useful Improvements in Receptacles for Incandescent Electric Lamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to receptacles for incandescent electric lamps for use in electric signs and other locations so constructed that the line-wires are easily and securely connected and when so connected are perfectly insulated and secured.

A single peculiarly-formed block of porcelain or other suitable insulating material forms the base on which are secured the lamp-terminals and the wire-terminals. The latter are arranged to extend into parallel grooves in the rear of the porcelain base, in which grooves are arranged the line-wires. Small portions only of these wires are stripped, which portions are easily arranged to be engaged by the binding-screws on each side and when so arranged are covered by insulating-cement filling the grooves more or less, by which a perfect connection is made and the joint securely covered and protected and made waterproof without the troublesome and inconvenient use of tape.

A desirable form of receptacle embodying my invention is shown in the drawings herewith, in which the reference-numerals of the specification indicate the corresponding parts in all the figures.

Figures 1 and 2 are respectively side elevation and rear plan of the receptacle. Fig. 3 is a vertical section thereof, and Fig. 4 is a cross-section on section-line 4 of Fig. 3.

In the figures, 1 indicates the porcelain base, having ears 2 to receive the bolts 3 for securing the receptacle to the sign-plate 4. Other suitable securing means may be used. The rear of the base is formed with parallel grooves 6 6, in which are easily arranged the wires or conductors 7 7, whose short stripped portions are clamped by the bind-

ing-screws 8 8 to make connection with the respective wire-terminals 9 10, whose ends may be slightly bent, as shown, the more securely to retain the wires in place. The base may be provided with extensions 11 11, as shown, to afford more room for the grooves, to give good separation between the metallic parts, and to strengthen the device.

13 is the outer threaded lamp-terminal, set on the branched wire-terminal 9 and there secured by screws 14 14.

15 is the central lamp-terminal, which may be in the form of a split resilient washer or of other suitable form secured in place by bolt 16, which also secures in position and makes connection with wire-terminal 10.

17 represents cut-outs in the porcelain for the tips of the binding-screws.

When the receptacle has been set in position and the wires connected, the grooves are filled more or less with the insulating-cement 19, by which the joint of the binding screws and wires is made secure and well protected from accidental contact and short-circuits and from all moisture without tape or other protection on the rear of the receptacle.

The front of the receptacle may desirably be formed with an annular shoulder 20 to fit against the supporting-plate when the receptacle is arranged on the back thereof.

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

1. In an electric receptacle, the combination with a porcelain base, having a cylindrical central portion, opposite side extensions on the back part of the receptacle and parallel grooves in said extensions on the rear, wire-terminals having their outer ends arranged in said grooves and their inner ends extending into a mouth on the front of the base, an outer lamp-terminal arranged in said mouth and secured on the inner end of one wire-terminal, and a single screw forming a central lamp-terminal arranged in said mouth and engaging with the opposite wire-terminal to secure the same in position, said base being also provided with integral, perforated securing-ears, substantially as described and shown.



2. In a device of the character described, the combination with a receptacle having a porcelain base formed with a front annular shoulder and with parallel grooves on its rear face, and having lamp-terminals secured on the base, and wire-terminals secured on the base to extend into the respective cross-grooves and connected to the respective lamp-terminals, of a supporting-plate fitted to said annular shoulder, wires arranged in the grooves and secured to the respective wire-terminals, and insulating-cement in the grooves covering the wires secured to the wire-terminals therein.

3. In an electric receptacle, the combination with a porcelain base, having a cylindrical central portion, opposite, imperforate side extensions at the back of the receptacle and parallel cross-grooves in the rear faces of said extensions, wire-terminals having their outer ends arranged in said grooves, and their inner ends extending into a mouth formed in said cylindrical portion, an outer lamp-terminal arranged in said mouth and connected to the inner end of one wire-terminal, a single screw forming a central lamp-terminal arranged in said mouth and engaging with the opposite wire-terminal to secure the same in position, and integral, opposite ears on the base adjacent to the front end for securing the receptacle in position.

4. In an electric receptacle, the combination with a porcelain base, having a cylindrical central portion, opposite side extensions at the back of the receptacle and parallel cross-grooves in the rear faces of said extensions, wire-terminals having their outer ends arranged in said grooves, and their inner ends extending into a mouth formed in said cylindrical portion, an outer lamp-terminal arranged in said mouth and connected to the inner end of one wire-terminal, a single screw forming a central lamp-terminal arranged in said mouth and engaging with the opposite wire-terminal to secure the same in position, and means arranged adjacent to the front end of the cylindrical portion to secure the receptacle in place.

5. In a device of the character described, an electric sign-plate having a circular hole to receive the front end of an electric receptacle, and the receptacle having in combination a porcelain base formed with a substantially cylindrical main portion, a shoulder or shoulders on the front end of said main portion to engage with the rear face of the sign-plate; a substantially cylindrical short, front end, projecting forwardly from the main portion into the hole in the sign-plate, opposite side extensions on the rear end of the main portions, cross-grooves on the rear surface of the base and of the extensions and with a front-opening mouth in the main portion,

lamp-terminals secured in said mouth, wire-terminals extending from the respective lamp-terminals into the respective cross-grooves, and means adjacent to the front end of the receptacle to secure it to the sign-plate.

6. In a device of the character described, an electric sign-plate having a circular hole to receive the front end of an electric-lamp receptacle, and the receptacle having in combination a porcelain base formed with a substantially cylindrical main portion, a shoulder or shoulders on the front end of said main portion to engage with the rear face of the sign-plate, opposite, imperforate, side extensions on the rear end of the main portions, parallel cross-grooves for the line-wires on the rear surface of the base, and with a front-opening mouth in the main portion, lamp-terminals secured in said mouth, wire-terminals extending from the respective lamp-terminals into the respective cross-grooves, and means adjacent to the front end of the receptacle to secure it to the sign-plate with substantially the whole of the receptacle extending rearwardly of the sign-plate, substantially as described and shown.

7. In an electric receptacle for an electric sign, the combination with a porcelain base, having a cylindrical central portion, opposite side extensions on the back of the receptacle and parallel cross-grooves in the rear faces of said extensions, wire-terminals having their outer ends arranged in said grooves, and their inner ends extending into a forwardly-opening mouth formed in said cylindrical portion, suitable lamp-terminals arranged in said mouth, wire-terminals extending from the respective lamp-terminals into the respective grooves, and means adjacent to the front end of the base to secure the receptacle to the sign and to carry the wires in the cross-grooves on the rear of the receptacle and at a distance from the sign.

8. As a new article of manufacture, a one-piece base of insulating material for an electric-sign receptacle, having in combination a substantially cylindrical body, a shoulder on the front end of said body to engage with the rear surface of the sign-plate, a substantially cylindrical short, front end extending beyond said shoulder to enter the hole in the sign-plate, and imperforate side extensions at the rear end of the base, the front faces of said extensions being inclined away from said body, and the rear surface of the base being formed with cross-grooves to receive the parallel line-wires.

9. As a new article of manufacture, a one-piece porcelain base for an electric-sign receptacle, having in combination a substantially cylindrical body, a shoulder on the front end of said body to engage with the



5 rear surface of the sign-plate, a substantially cylindrical, short, front end extending beyond said shoulder to enter the hole in the sign-plate, and imperforate side extensions at the rear end of the base, the rear surface of the base being formed with cross-grooves to receive the parallel line-wires, and a substantial portion of said grooves being arranged in

the extensions beyond the side edges of the body.

In testimony whereof I affix my signature in presence of two witnesses.

BERT E. SALISBURY.

Witnesses:

A. M. LITTLE,

NATHANIEL D. RAND.