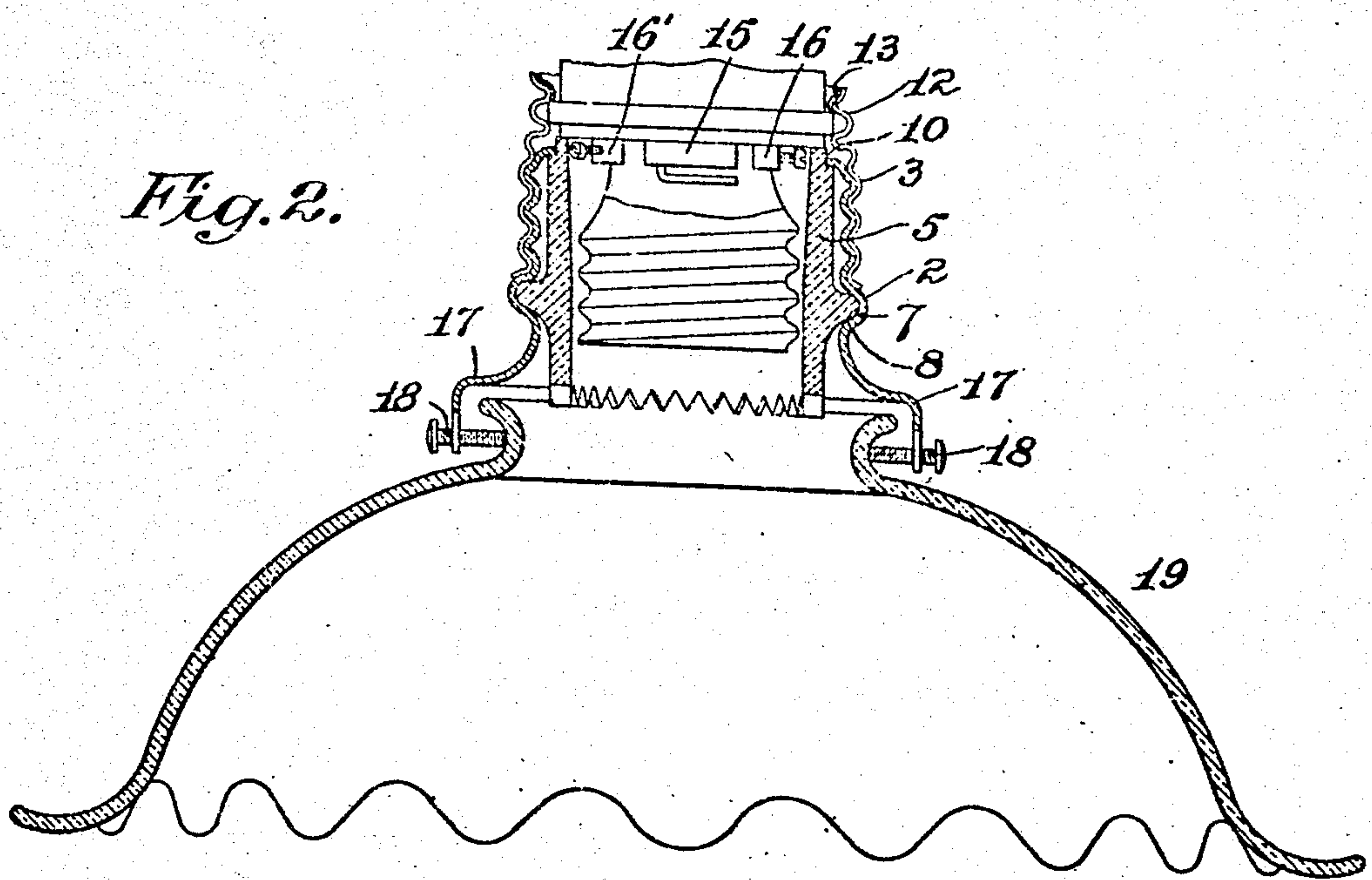
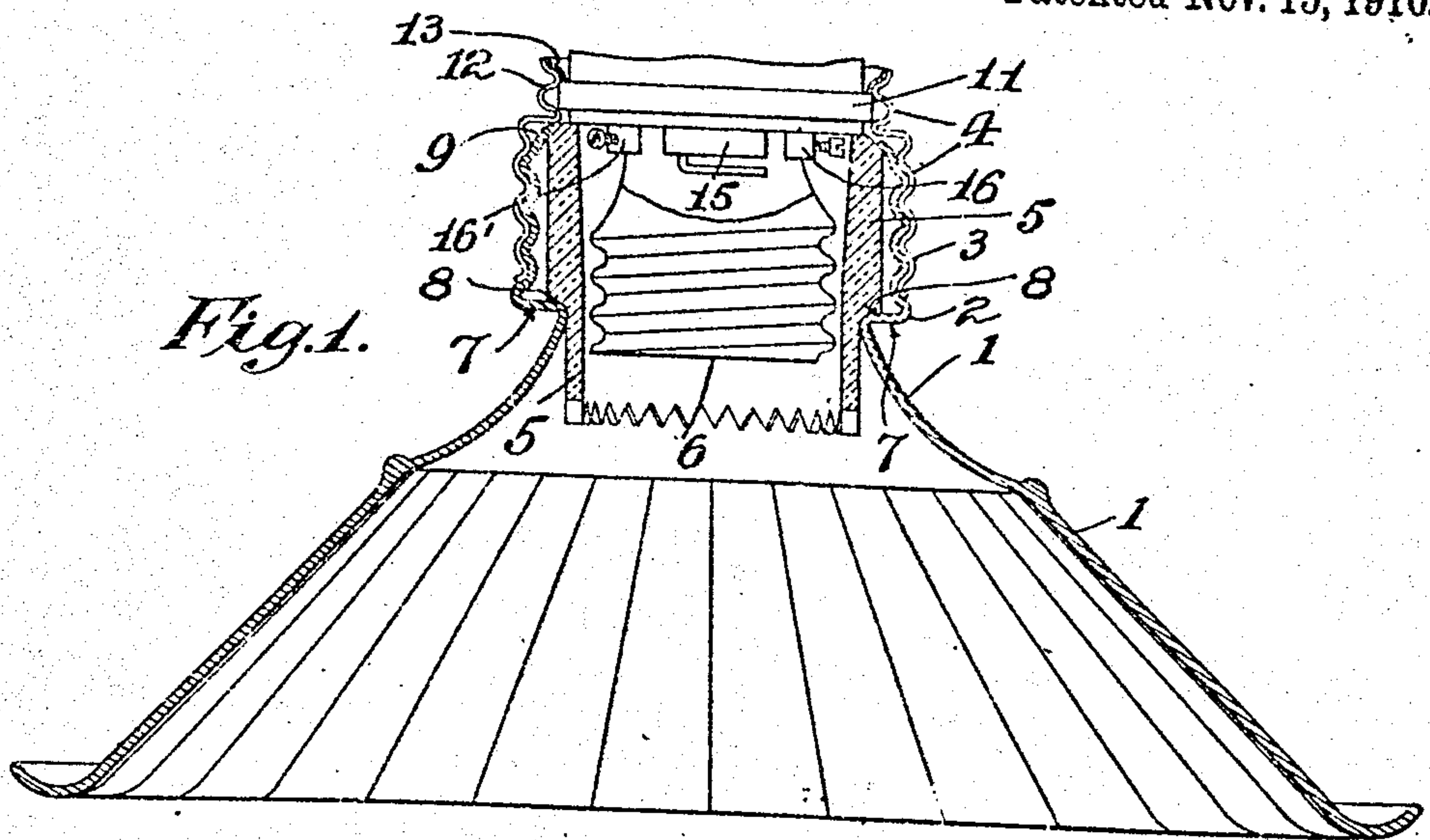


H. ZIRWAS.
LAMP REFLECTOR.
APPLICATION FILED JAN. 3, 1910.

975,639.

Patented Nov. 15, 1910.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY ZIRWAS, OF YONKERS, NEW YORK.

LAMP-REFLECTOR.

975,669.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed January 3, 1910. Serial No. 536,134.

To all whom it may concern:

Be it known that I, HENRY ZIRWAS, a citizen of the United States, and a resident of Yonkers, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Lamp-Reflectors, of which the following is a specification.

My invention relates to shades and reflectors for incandescent electric lights.

It relates to a combined reflector and shade holder, in which the reflector or shade holder serves at the same time as insulator between the current carrying parts.

It relates particularly to a metallic reflector provided on its upper portion with a screw-thread carrying the insulation, and adapted to be screwed directly into the outer double screw threaded socket shown in the application of Peter Kleber, Serial No. 507,057, filed Jan. 22d, 1910.

The object of my invention is to provide a reflector, or a shade-holder, which shall render possible the use of metallic reflectors with incandescent lamps, shall be easily attached thereto and detached therefrom, shall be strong, durable, and cheaply constructed, and allow the lamp, or the reflector, to be attached and detached without danger of shock to the party handling the device.

To carry out my invention, in its principal constructive form, I fashion a metallic reflector, either prismatic, or plain, with a screw-threaded upper portion in one piece with the reflector proper, and to this screw-threaded portion I attach the insulation separating the reflector, or shade-holder, from the lamp screw.

In the drawings: Figure 1 shows my one-piece holder and reflector, and Fig. 2 shows my principle applied to holding any desired shade or lamp ornament.

Referring to the drawings: 1 is a reflector; preferably metallic, whose upper portion is fashioned into a screw thread 2, adapted to engage and be held by the lower screw thread of the outer shell 3, of the double threaded socket shell 4. Within the screw 2 is held the insulation 5, protecting the reflector, or holder, from contact with the lamp screw 6. The insulation may be held in the screw by a shoulder 7, engaging a corresponding projection 8 on the screw 2. The upper edge of the insulation is shown

beveled at 9, or notched at 10, to receive and hold the upper part of the screw 3. 11 is the porcelain base of the Kleber socket, 12 the upper screw thread of the double-threaded outer socket shell, and 13 is the screw thread of the metal cap, here broken away, as not essential to be shown. 15 is the spring lamp contact, connected with the screw terminal 16, and 16' is the other terminal connecting the lamp to the electric circuit.

Fig. 2 shows a modification of the device adapted to serve as a shade holder for reflectors, or shades of any desired construction. The parts are formed practically the same, and serve the same purpose. The only difference is that the insulated screw thread 2, instead of being extended into the reflector 1, is cut off at 17, and a screw 18 holds in place the ornamental shade 19.

It is evident from the construction that the lamp can be screwed into, or out of, the lamp screw 6 without any danger of receiving a shock to the person, or the metallic parts forming a short circuit.

My invention presents a solid, compact arrangement in which the reflector carries integral with itself its retaining screw and at the same time insulates itself.

Having thus fully described and illustrated my invention, what I claim, is:—

1. A metallic reflector having integral with itself at its upper part a screw-thread, an outer socket shell having a lower thread engaged by said reflector thread, in combination with an insulating portion, firmly carried by the reflector screw-thread.

2. A lamp reflector having integral with itself at its upper end a screw thread, an outer socket shell having a lower thread engaged by said reflector thread, in combination with an insulated portion, firmly carried by the reflector thread.

3. In a lamp fixture, a double screw-threaded outer socket shell, in combination with a metallic reflector provided with a screw integral therewith engaging the lower screw thread of the said socket shell and supporting within its screw thread the portion insulating the outer socket shell and the reflector from the current carrying devices, substantially as set forth.

4. In a lamp fixture, a screw threaded outer socket shell, an insulated screw-thread

internally engaging said socket shell, in combination with a lamp reflector held by said insulated screw and protected from contact with the current carrying devices thereby,
5 substantially as set forth.

5. In a lamp fixture, a reflector, an outer screw-threaded socket-shell, a screw engaging said socket-shell and supporting the reflector, in combination with an insulator
10 having projections and indentations engag-

ing similar parts on the screw supporting the reflector, substantially as set forth.

Signed at New York in the county of New York and State of New York this 28th day of December A. D. 1909.

HENRY ZIRWAS.

Witnesses:

A. STETSON,
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