

No. 708,739.

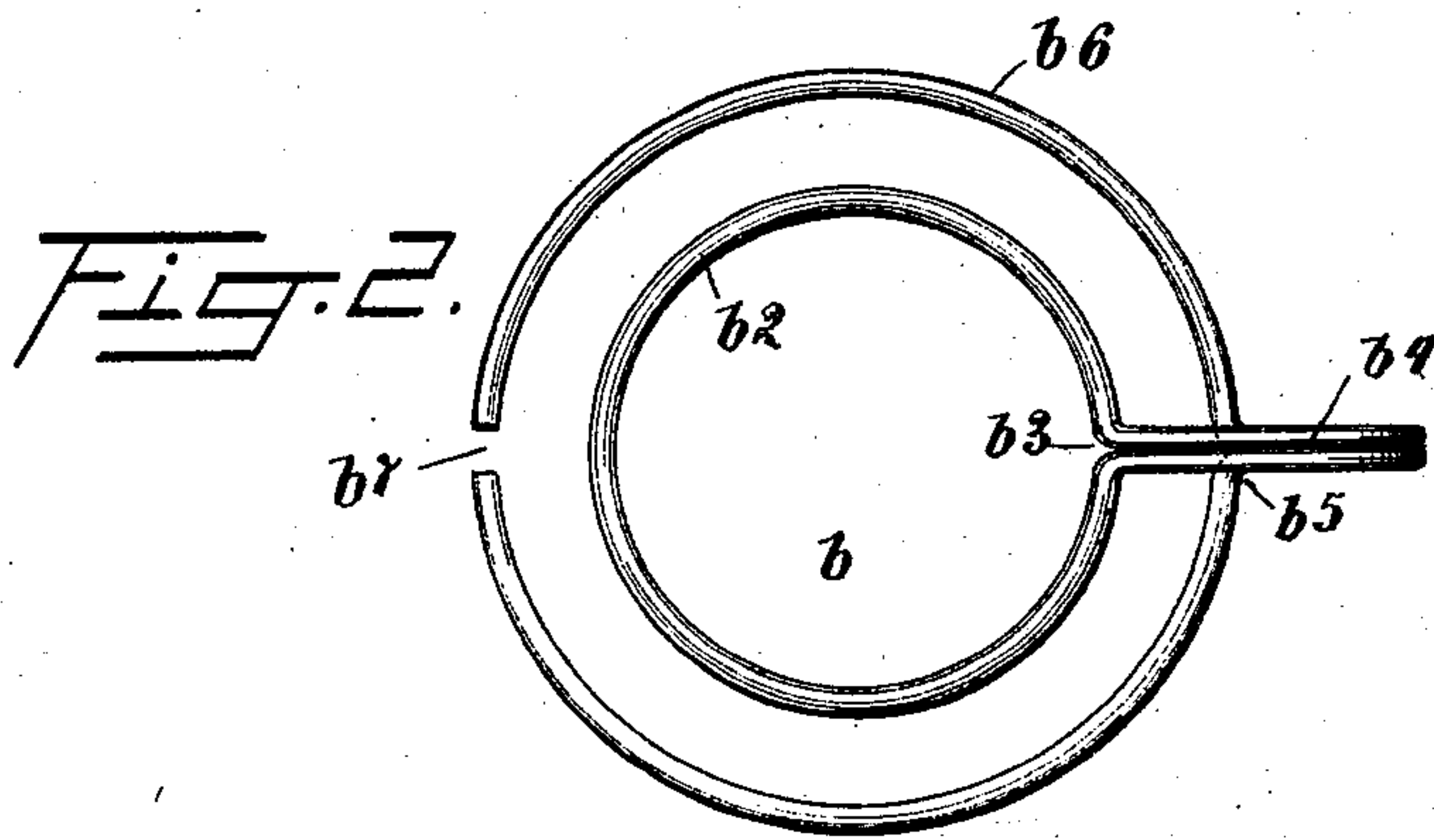
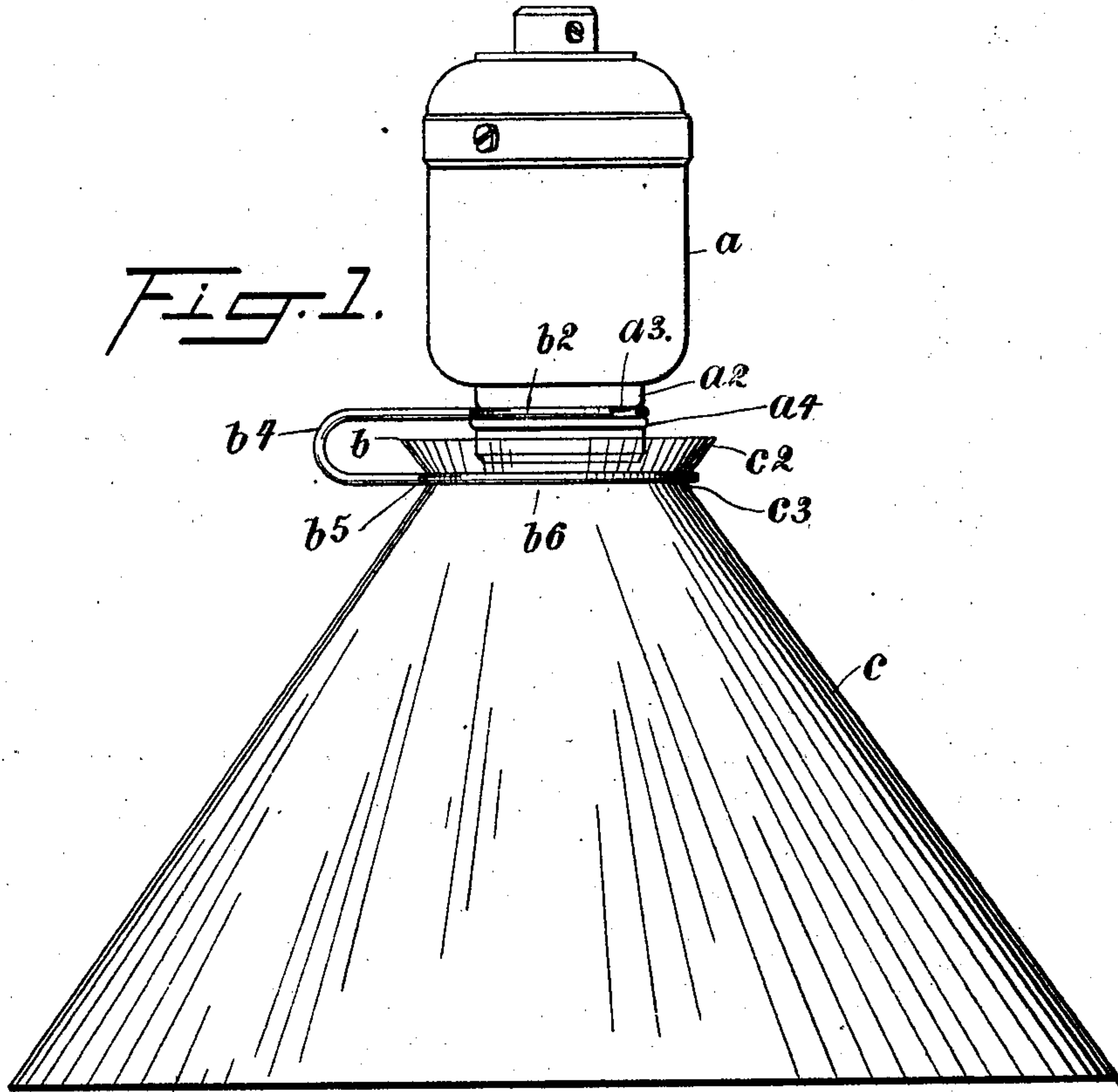
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R. W. SCHMELZ.

SHADE HOLDER FOR INCANDESCENT ELECTRIC LAMPS.

(Application filed Oct. 7, 1901. Renewed July 17, 1902.)

(No Model.)



WITNESSES

F. A. Stewart
G. F. Teller

INVENTOR

BY *Richard W. Schmely*
Edgar S. L. Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

RICHARD W. SCHMELZ, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF TO WILLIAM V. GEIS, OF NEW YORK, N. Y.

SHADE-HOLDER FOR INCANDESCENT ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 708,739, dated September 9, 1902.

Application filed October 7, 1901. Renewed July 17, 1902. Serial No. 115,984. (No model.)

To all whom it may concern:

Be it known that I, RICHARD W. SCHMELZ, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Shade-Holders for Incandescent Electric Lamps, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved shade-holder for incandescent electric lamps, a further object being to provide a shade-holder of the class specified which may be quickly and easily attached to the lamp-support and which will remain securely in position and with which a shade may be easily connected in such manner that the shade will be securely held in the desired position; and with these and other objects in view the invention consists in a shade-holder of the class specified constructed as hereinafter described and claimed.

In the drawings forming part of this specification, in which the separate parts of my improvement are designated by the same reference characters in each of the views, Figure 1 is a side view of the socket or holder of an incandescent electric lamp and showing my improved shade-holder connected therewith and a shade suspended thereby, the electric lamp being not shown; and Fig. 2, a plan view of the shade-holder detached.

Referring to the drawings, a designates the socket or holder of an incandescent electric lamp, and said holder is provided at its lower end with a neck a^2 , into which in practice an incandescent electric lamp is inserted in the usual manner. The neck a^2 of the socket or holder a is provided with an annular groove a^3 , and in the practice of my invention I provide a shade-holder b , which is formed from a single piece of spring-wire bent centrally to form a spring-ring b^2 and the sides of which are brought together at b^3 and bent to form a loop-shaped handle or shank b^4 , said sides or parts of the wire at the end of the bottom portion of said loop being separated, as shown at b^5 , and bent to form a supplemental spring-ring b^6 , open at one side, as shown at b^7 .

In constructing the shade-holder b the separate parts thereof are pressed or clamped so as to cause the separate sides of the shank or handle b^4 to press firmly together at all times, and in attaching the holder to the neck a^2 of the socket or lamp-holder a the top ring or circular portion b^2 of the shade-holder is opened and passed around the neck a^2 and allowed to close in the groove a^3 , and this operation, because of the spring action of the ring b^2 , results in securely connecting the shade-holder with the neck a^2 . The neck a^2 is also preferably provided below the groove a^3 with an annular bead a^4 , and this bead also aids in holding or securing the shade-holder in place.

The shade c is provided at the top with a flaring rim or flange c^2 , by means of which an annular groove c^3 is formed, and in connecting the shade with the holder the separate sides of the ring b^5 are sprung into this groove, and the shade is thus securely connected with the shade-holder and supported thereby.

Although I have shown and described my improved shade-holder as designed for and used in connection with an incandescent electric lamp, it will be apparent that the same may be used in connection with other forms or styles of lamps, and I reserve the right to make all such alterations in the construction shown and described as fairly come within the scope of my invention. It will also be seen that the ring b^2 is smaller than the open ring b^6 , and that the laterally-directed loop or shank b^4 is in a vertical plane when the shade-holder is in its normal position and the bottom portion of said loop or shank is shorter than the top portion thereof, whereby the ring b^2 occupies a concentric position with reference to the bottom ring b^6 .

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

1. A shade-holder composed of a spring-wire bent centrally to form a spring-ring b^2 and open at one side and provided at the open side with a laterally-directed loop or shank b^4 composed of two parts, the bottom portion of said loop or shank being shorter than the other and the separate parts thereof

being bent to form a spring-ring ^b open at one side, substantially as shown and described.

2. A shade-holder composed of a spring-
5 wire bent centrally to form a spring-ring open at one side and provided at the open side with a laterally-directed loop or shank which is U-shaped in form and one side of which is shorter than the other, said shorter side of
10 said loop or shank being also provided with a spring-ring open at one side and held in a

concentric position with reference to the first-named spring-ring, substantially as shown and described.

In testimony that I claim the foregoing as 15 my invention I have signed my name, in presence of the subscribing witnesses, this 5th day of October, 1901.

RICHARD W. SCHMELZ.

Witnesses:

F. A. STEWART,
F. F. TELLER.