

No. 706,856.

Patented Aug. 12, 1902.

R. W. SCHMELZ.

SHADE HOLDER FOR INCANDESCENT ELECTRIC LAMPS.

(Application filed Feb. 5, 1902.)

(No Model.)

Fig 1

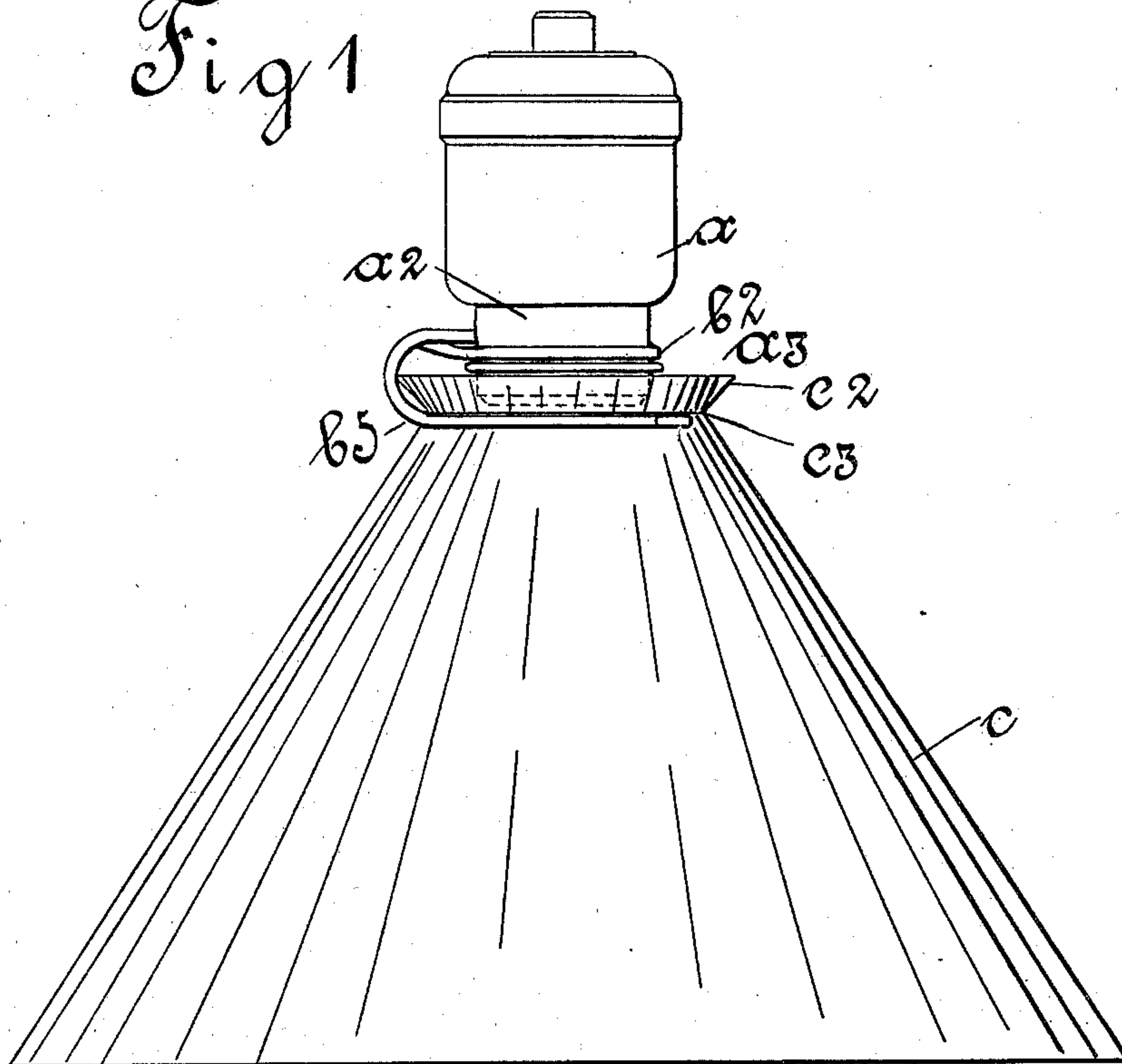
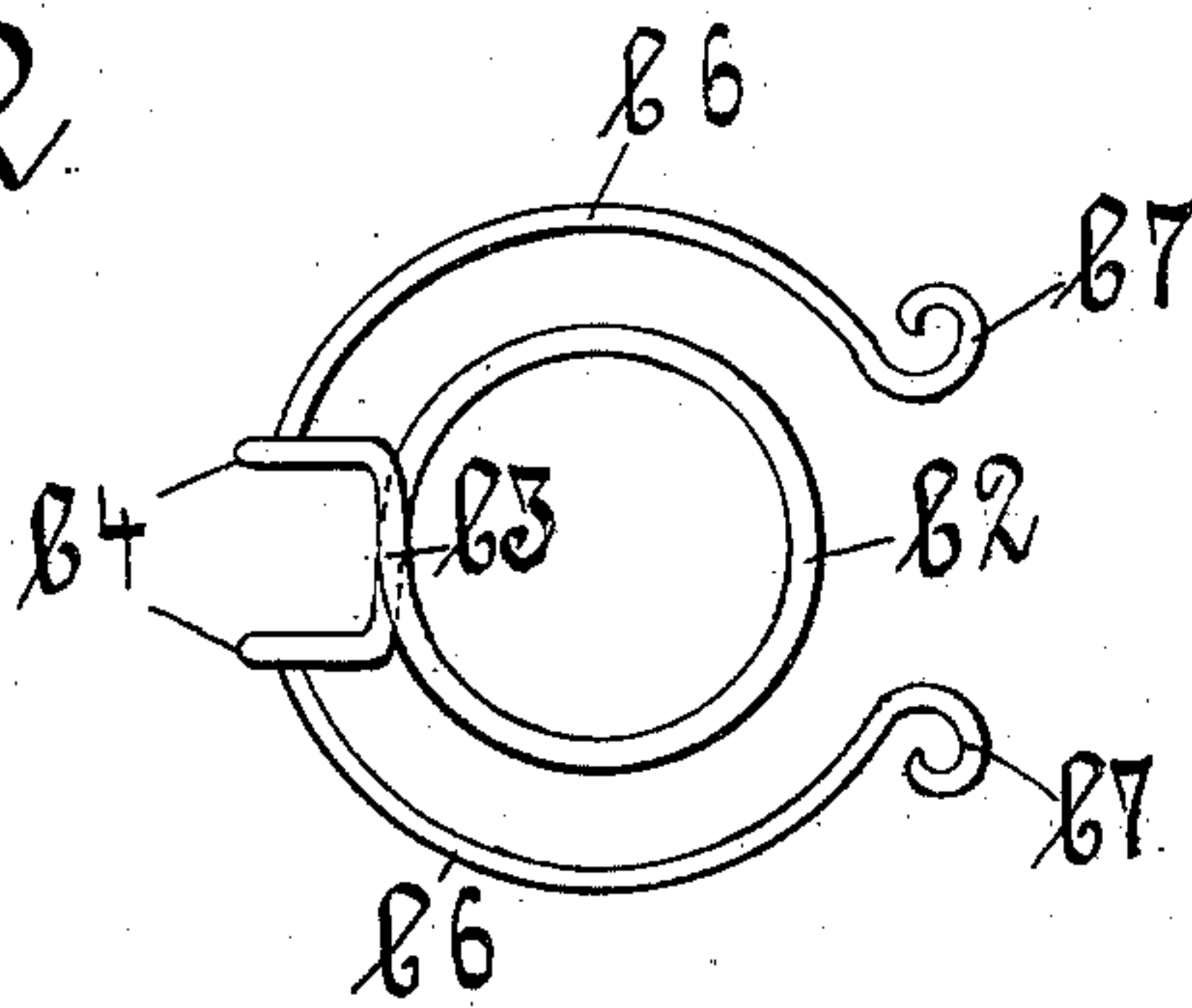


Fig 2



WITNESSES

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RICHARD W. SCHMELZ, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF
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SHADE-HOLDER FOR INCANDESCENT ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 706,856, dated August 12, 1902.

Application filed February 5, 1902. Serial No. 92,611. (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 a 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 bead 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 , which is open at one side and the sides of which are crossed, as shown at b^3 , and bent to form two parallel handles or shanks b^4 , which extend outwardly from the neck of the socket or holder and which are curved downwardly and inwardly,

as shown at b^5 , and the ends of which are formed into a ring-shaped shade-holder proper consisting of two segmental portions b^6 , which are provided opposite the parts b^4 with ring or loop shaped portions b^7 , between which in practice the neck of the shade is passed. It will be seen that the top ring portion b^2 , which incloses the neck a^2 of the socket or holder a , is arranged concentrically to the shade-holder proper consisting of a segmental part b^6 , and in attaching the device to the neck a^2 all that is necessary is to grasp the parts b^4 between the thumb and fingers and press them together and pass the ring b^2 up over the said neck a^2 , and then by releasing the parts b^4 the said ring b^2 will securely grasp and hold the said neck, and the spring action of this ring retains the shade-holder on said neck, as will be readily understood. I have also shown at c an ordinary shade, which is provided at the top with a flaring ring or flange c^2 , by means of which an annular groove or neck c^3 is formed, and in connecting the shade with the holder the neck of the shade is forced between the projecting members b^7 of the segmental parts b^6 , which open to permit of this operation and which by reason of the spring action thereof securely grasp and hold the shade.

Although I have shown and described my improved shade-holder as designed for use 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 and in the application thereof as fairly come within the scope of my invention.

It will be seen that the upper ring b^2 is much smaller than the space inclosed by the segmental members b^6 and that the laterally-directed loop-shaped portions or shanks b^4 are in a vertical plane when the shade-holder is in its normal position and the bottom portions of the members b^4 are shorter than the top portions thereof, whereby the ring b^2 occupies a concentric position with reference to the segmental members 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 spring-wire
5 bent to form a spring-ring open at one side, the parts of said ring at the open side being crossed and extended in opposite directions and formed into outwardly-directed, vertically-arranged, loop-shaped shank members
10 which are separated and arranged in separate vertical planes, and segmental clamp members connected with the lower end of said shank members and arranged concentrically with reference to said spring-ring and below
15 said ring and outside thereof, substantially as shown and described.

2. A shade-holder composed of spring-wire bent to form a spring-ring open at one side, the parts of said ring at the open side being
20 crossed and extended to form projecting loop-shaped shank members which are separated and arranged in separate vertical planes when the shade-holder is in its normal position and segmental members connected with
25 the bottom of the shank members and below said ring when said holder is in its normal position, said segmental members being open

at the side opposite the loop-shaped shank members substantially as shown and described.

3. A shade-holder composed of spring-wire
30 bent to form a spring-ring open at one side, the parts of said ring at the open side being crossed and extended to form projecting loop-shaped shank members which are separated
35 and arranged in separate vertical planes when the shade-holder is in its normal position, and segmental members connected with the bottom of the said shank members and below said ring when said holder is in its normal
40 position, said segmental members being open at the side opposite the loop-shaped shank members and being curved outwardly and backwardly, substantially as shown and
45 described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 4th day of February, 1902.

RICHARD W. SCHMELZ.

Witnesses:

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