REISSUED
AS NO. 17345
JULY. 2 1929

Dec. 11, 1928. 1,695,223

K. C. BERGER

LAMP SHADE FRAME HOLDER

Filed Aug. 6, 1927

Fig. 1.

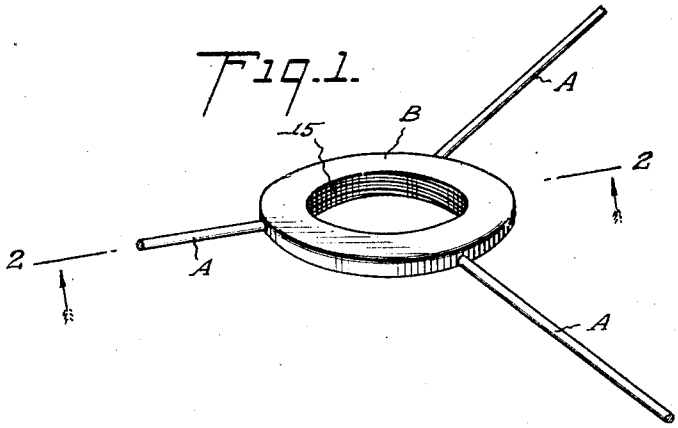
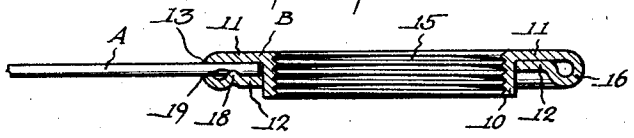


Fig. 2.



WITNESSES
A. J. Mank.
Hugh H. Ott

INVENTOR
KORNEL C. BERGER
BY Munn & Co.
ATTORNEY

Patented Dec. 11, 1928. 1,695,223

UNITED STATES PATENT OFFICE.

KORNEL C. BERGER, OF NEW YORK, N. Y.

LAMP-SHADE-FRAME HOLDER.

Application filed August 6, 1927. Serial No. 211,231.

This invention relates to electric lamp shade frames and comprehends a means for connecting a lamp shade frame with the externally threaded end of the shell of an electric lamp socket, the same being in the nature of an improvement over my co-pending application, Serial No. 185,273, filed April 20, 1927.

The present invention aims for its principal object to provide an improved connecting element for a lamp shade frame and a socket which is adapted to be incorporated in and to become an integral part of the wire lamp shade frame so that a lasting and rigid connection between the shade frame and socket may be obtained.

The invention more specifically comprehends a connecting element spun or otherwise formed from sheet material to provide an annular interiorly threaded hub and a flange doubled upon itself and apertured at the bight portion to receive between the overlying portions of the flange the radial inwardly projecting arms or wires of the lamp shade frame.

The invention furthermore resides in means for anchoring the inner terminals of the arms or wires between the overlying portions of the flange against outward radial displacement and lateral movement in any direction.

Other objects reside in the comparative simplicity of construction of the device, the economy with which the same may be produced, and the general efficiency derived therefrom.

With the above recited and other objects in view, reference is had to the following description and accompanying drawings in which there are exhibited certain examples or embodiments of the invention, while the appended claims define the actual scope of the invention.

In the drawings—

Figure 1 is a perspective view of the connector attached to the arms of the lamp shade frame;

Figure 2 is a sectional view taken approximately on the line 2—2 of Figure 1.

Referring to the drawings by characters of reference, A designates a plurality of arms projecting radially inwardly from a lamp shade frame (not shown) and B the connector constituting the subject matter of the present invention and which connector is designed to function as a means for connecting the lamp shade with the threaded end of the shell of an electric lamp socket.

The connector B comprises a substantially cylindrical hub 10 having an outwardly projecting annular flange 11 at one end, the said flange having a portion 12 bent back into a position parallel to and underlying said flange. The shell is spun or otherwise constructed in the form illustrated in Fig. 2, and is provided at the juncture of the portion 12 with the main flange 11, with a plurality of circumferentially spaced openings 13. The hub 10 is internally threaded at 15 to engage over the externally threaded end of the shell of an electric lamp socket (not shown).

The arms A extend through the circumferentially spaced openings 13 into approximately abutting relation with the hub 10 and the flange portion 12 is bent inwardly by a suitable die, which die also is provided with means to form a projection 18 on the inner surface of the flange portion 12 and at the same time to form a depression 19 in each arm terminal within which the projection 18 is received for the purpose of preventing radial outward movement of the arms.

It thus follows that a connector has been devised which forms part of an electric lamp shade frame, which connector is rigidly carried by the frame and establishes a firm connection between the shade and the externally threaded end of an electric lamp shell. It will be further noted from the foregoing construction that the necessity of welding, soldering or similar modes of anchoring the arms to the connector, have been eliminated.

What is claimed is:

1. An electric lamp shade frame and socket connecting element comprising a substantially cylindrical internally threaded hub, a radially projecting U-shaped portion having an apertured bight, a radial arm extending through the apertured bight between the leaves of the U-shaped portion and an instruck projection from one of the leaves recessed in the inner end of the arm for anchoring the same against radial outward and lateral movement.

2. An electric lamp shade frame and socket connecting element, comprising a sheet metal member having a substantially cylindrical internally threaded hub, an annular outwardly

projecting flange at one end thereof having an inwardly bent portion underlying said flange, said flange and flange portion at their juncture having circumferentially spaced openings through which the lamp shade frame arms extend radially inward, and means for anchoring the arms against radial outward and lateral movement, comprising recesses in said arms and inward projections of the flange portions engaging the recesses.

Signed at New York in the county of New York and State of New York this 3rd day of August, A. D., 1927.

KORNEL C. BERGER.