

E. RUSSELL.

Improvement in Lamp-Shade Supporters.

No. 115,527.

Patented May 30, 1871.

Fig. 1

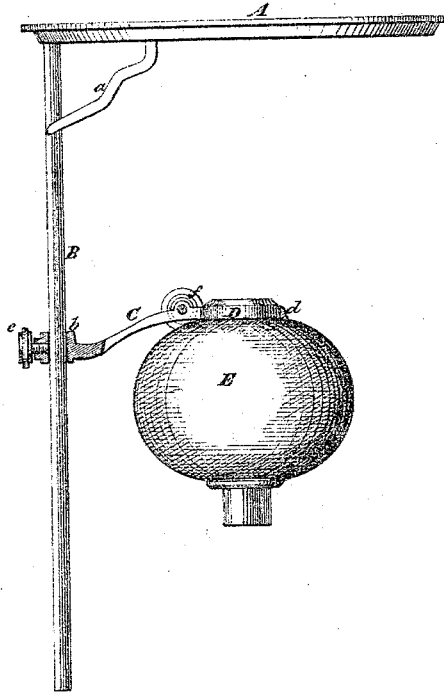
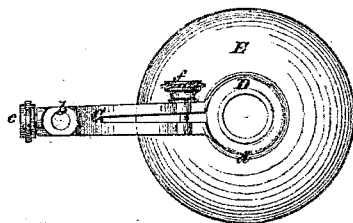


Fig. 2



Witnesses.

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UNITED STATES PATENT OFFICE.

EDWIN RUSSELL, OF WATERBURY, CONNECTICUT, ASSIGNOR TO HIMSELF
AND FRANCIS W. PLATT, OF SAME PLACE.

IMPROVEMENT IN LAMP-SHADE SUPPORTERS.

Specification forming part of Letters Patent No. 115,527, dated May 30, 1871.

To all whom it may concern:

Be it known that I, EDWIN RUSSELL, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and Improved Lamp-Shade Supporter; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification.

This invention consists in the attachment of the supporting-arm of the shade-holder to the lamp-collar by means of a ring-clamp provided on the said arm, and a clamping-screw passing through a slotted portion of the said arm for the purpose of tightening the ring upon the lamp-collar.

Figure 1 is a side elevation of a lamp-reservoir with my improved shade-supporter attached to its collar, the supporting-arm and its clamping-ring being in section. Fig. 2 is a plan of the lamp-reservoir and the attached supporting-arm.

A is the shade-holder, consisting of a ring of metal grooved all around its upper face for the reception of the lower edge of the shade. B is the vertical rod or stem attached rigidly to the ring, and having its attachment strengthened by oblique braces *a*. C is the supporting-arm attached to the exterior of the collar D, which is ordinarily provided on the top of the reservoir E for the reception of the burner.

This arm is provided at its outer end with a vertical socket, *b*, through which the rod or stem passes freely, and it has screwed into it a set-screw, *c*, which, being screwed up tightly

against the rod or stem B, secures it at any height to which it may be adjusted in the socket *b*, according to the desired height of the shade above the lamp. This arm is of suitable length to bring the shade-holder A to a position concentric with the lamp-collar. The supporting-arm C is made in the same piece with a ring, *d*, of a size, in its normal condition, to slip easily over the lamp-collar; and from the interior of this ring a slot, *e*, extends the greater portion of the length of the arm. Through this slotted portion of the arm, near the ring, is inserted a set-screw, *f*, which passes loosely through the portion of the arm on one side of the slot, and screws into a tapped hole in the portion of the arm on the other side of the slot.

By screwing up this screw, after the ring is placed over the lamp-collar, the portions of the arm on opposite sides of the slot are drawn toward each other, and the ring is contracted upon and made to clamp so tightly the lamp-collar as to secure the arm rigidly thereto, and so form a rigid and firm support for the shade-holder.

What I claim as my invention, and desire to secure by Letters Patent, is—

The arrangement of the ring *d*, having a slotted arm, C, and tension-screw *f*, socket *b*, and set-screw *c*, for supporting a shade-holder by attachment to the lamp-collar D, substantially as shown and described.

EDWIN RUSSELL.

Witnesses:

FRANKLIN L. WELTON,
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