R. F. VASS.

ADJUSTABLE ELECTRIC LIGHT SHADE AND REFLECTOR.

APPLICATION FILED AUG. 17, 1916.

1,209,235.

Patented Dec. 19, 1916.

2 SHEETS—SHEET 1.

Fig. 1.

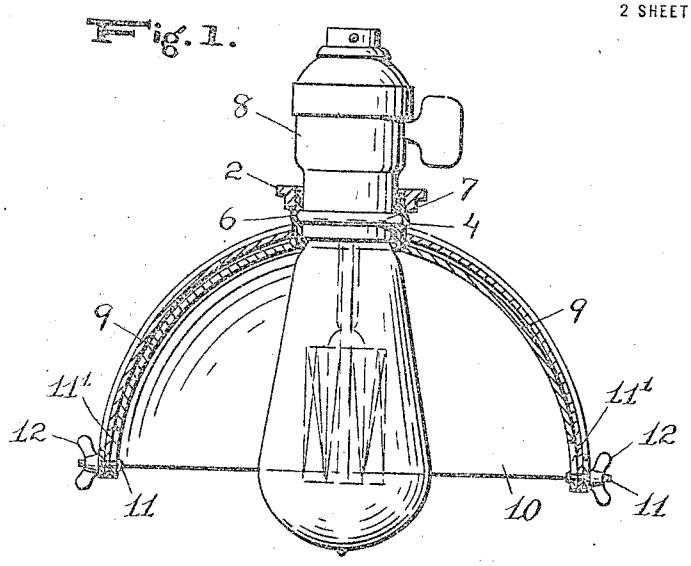
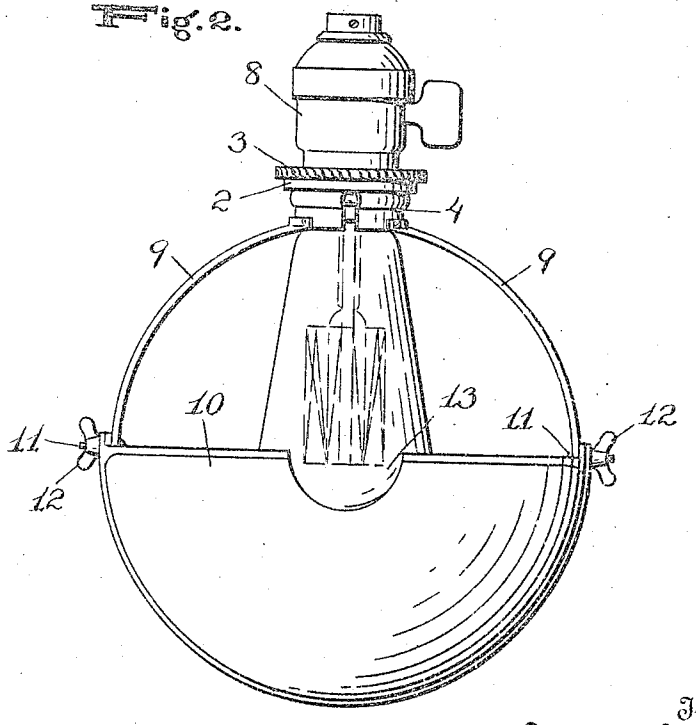


Fig. 2.



Witness

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2 SHEETS—SHEET 2.

Fig. 3.

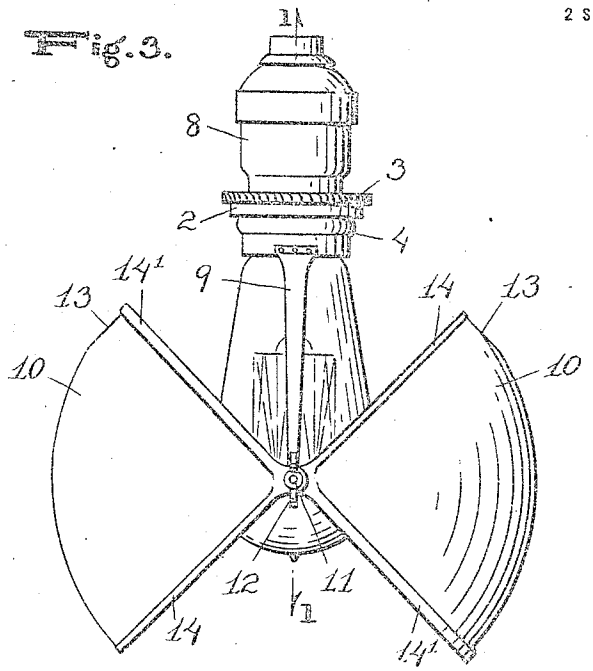


Fig. 4.

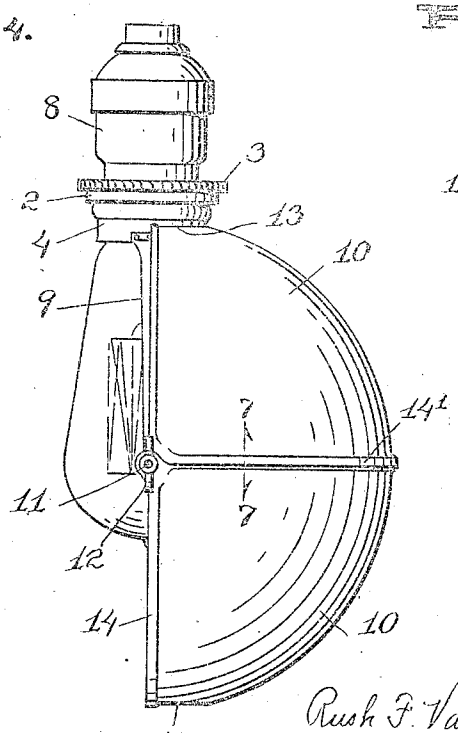


Fig. 7.

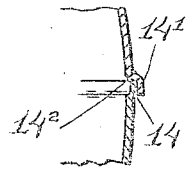
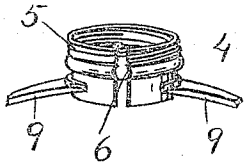


Fig. 5.

Fig. 6.



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UNITED STATES PATENT OFFICE.

RUSH F. VASS, OF WILMINGTON, NORTH CAROLINA.

ADJUSTABLE ELECTRIC-LIGHT SHADE AND REFLECTOR.

1,209,235. Specification of Letters Patent. Patented Dec. 19, 1916.

Application filed August 17, 1916. Serial No. 115,426.

To all whom it may concern:

Be it known that I, RUSH F. VASS, a citizen of the United States, resident of Wilmington, in the county of New Hanover and State of North Carolina, have made a certain new and useful Invention in Adjustable Electric-Light Shades and Reflectors; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 is a central vertical section of the reflector, as applied, upon line 1—1, Fig. 3. Fig. 2 is a side view of the same, showing the reflectors reversed, Fig. 3 is a similar view taken from another side, showing the reflectors adjusted to shade both sides of the lamp. Fig. 4 is a similar view showing the reflectors adjusted to shade one side only. Fig. 5 is a detail perspective view of the upper ring. Fig. 6 is a similar view of the lower ring, showing the depending arms partly broken away. Fig. 7 is a section on the line 7—7, Fig. 4.

The invention has relation to electric light shades and reflectors, having for its object to provide an improved adjustable shade and reflector, designed to shade the light upon any side and reflect the light in any direction desired, and it consists in the novel construction and combinations of parts, as hereinafter set forth.

In the accompanying drawings, illustrating the invention, the numeral 2 designates an upper interiorly threaded annulus or ring, having an exterior milled or knurled portion 3, and 4 is a lower or split ring, having an exterior thread 5, engaged by the interior thread of the upper ring, the lower ring having an internal groove 6, designed to be snapped into engagement with the bead 7 of the electric light socket 8.

Carried by the lower or split ring are two diametrically opposite downwardly and outwardly extending arcuate arms 9, two opposite part-spherical reflectors 10, each of the form of one-quarter of a hollow sphere, being at opposite portions of their lower edges pivotally connected to the lower ends of said arms, by bolts 11 having thumb nuts 12.

Each reflector has at its top an arcuate recess 13, adapted to engage neatly the outer surface of the split ring, to form normally a complete semi-spherical reflector, extending downwardly from the lamp socket in the usual way.

When it is desired to reverse the reflector so that it will cover and obscure the lower portion of the lamp bulb, the reflector sections are moved through an arc of ninety degrees, upon the bolts 11 as centers, until their normally horizontal arcuate edges meet in a vertical plane, each reflector having both arcuate edges thereof provided with strengthening ribs or flanges 14, 14′, the flange of one reflector engaging a groove 14^2 of the flange of the other reflector, to form a perfect seam or light-tight joint in all meeting positions of the reflectors. And if it should be desired to have the reflector located entirely at one side or the other of the light, to screen said side, one of the reflectors is swung pivotally through an arc of 180 degrees, until its arcuate edge engages the arcuate edge of the other reflector and forms therewith a complete semispherical reflector, located as stated. And should it be desired to screen both sides of the light, each reflector is swung pivotally through an arc of forty-five degrees, the thumb nut being loosened before the adjustment is made and tightened to fix the adjustment in all cases.

In assembling the parts, the upper collar or ring is first engaged with the electric light socket, the lower split collar or ring being next engaged with said socket or snapped over the bead or ridge of the socket, the upper collar being then engaged with the lower collar to prevent the lower collar from becoming disengaged with said bead. The reflectors are next adjusted to position and the thumb nuts tightened to fix the adjustment.

The various parts may be made of brass or other suitable material, pressed or otherwise formed, and the threads of the collars may be formed in the same way as standard socket threads. The arms 9 may be of any suitable size or length, and are usually provided with slots 11′ engaged by the bolts 11 to permit a bodily adjustment vertically of the reflectors.

The attachment is of simple nature and capable of being attached to the standard light sockets by an unskilled person.

The lower ring 4 is adjustable horizon-

tally upon the lamp socket by a turning movement, whereby the reflectors when shading the lamp laterally, as shown in Figs. 3 and 4 of the drawings, may be turned horizontally to shade any desired portion of the room.

I claim:

1. In combination with an electric light socket having an exterior bead, an adjustable shade and reflector, comprising a carrying member provided with an interior groove and having detachable engagement with said bead and depending arms, and two quarter-spherical hollow reflectors normally meeting in a vertical plane, pivoted at their lower inner corners to each other and to said arms and each adjustable vertically.

2. In combination with an electric light socket having an exterior bead, an adjustable shade and reflector, comprising a lower split ring having detachable engagement with said bead and depending arms, an upper securing ring engaging said lower ring, and two quarter-spherical hollow reflectors normally meeting in a vertical plane, pivoted at their lower inner corners to each other and to said arms and each adjustable vertically.

3. In an adjustable electric light shade and reflector, a lamp socket, a carrying member having horizontally adjustable engagement with said lamp socket, and two normally meeting hollow part-spherical reflectors, pivoted to said carrying member and to each other and each adjustable pivotally in a vertical direction, said reflectors being adjustable with said carrying member in a horizontal direction.

In testimony whereof I affix my signature, in presence of two witnesses.

RUSH F. VASS.

Witnesses:

ROBT. C. MERRITT,

FRANK D. PERRY.