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Patented Oct. 14, 1902.

R. M. DIXON.
DOME SUPPORT FOR LAMPS.

(Application filed June 12, 1901.)

(No Model.)

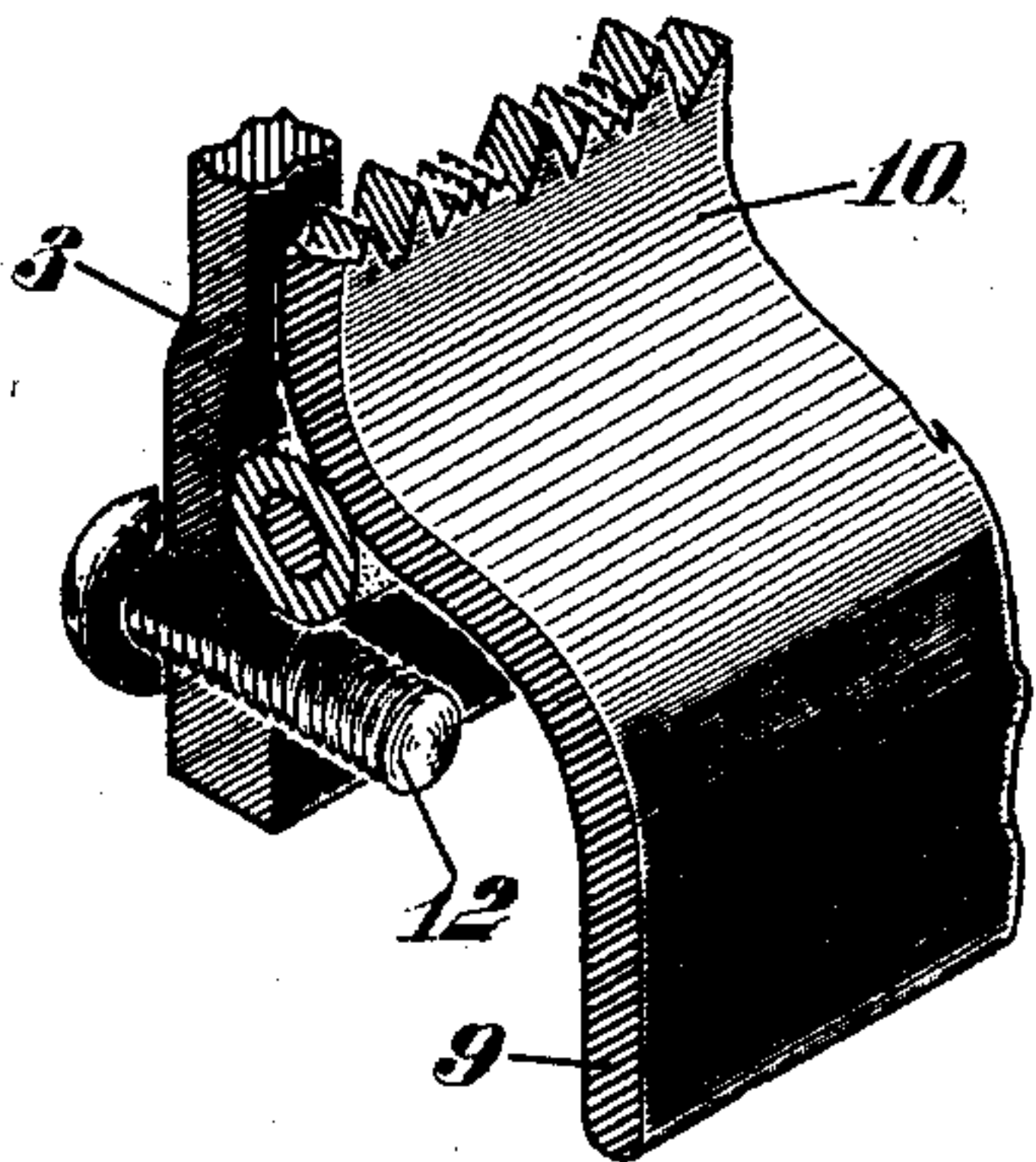


Fig. II.

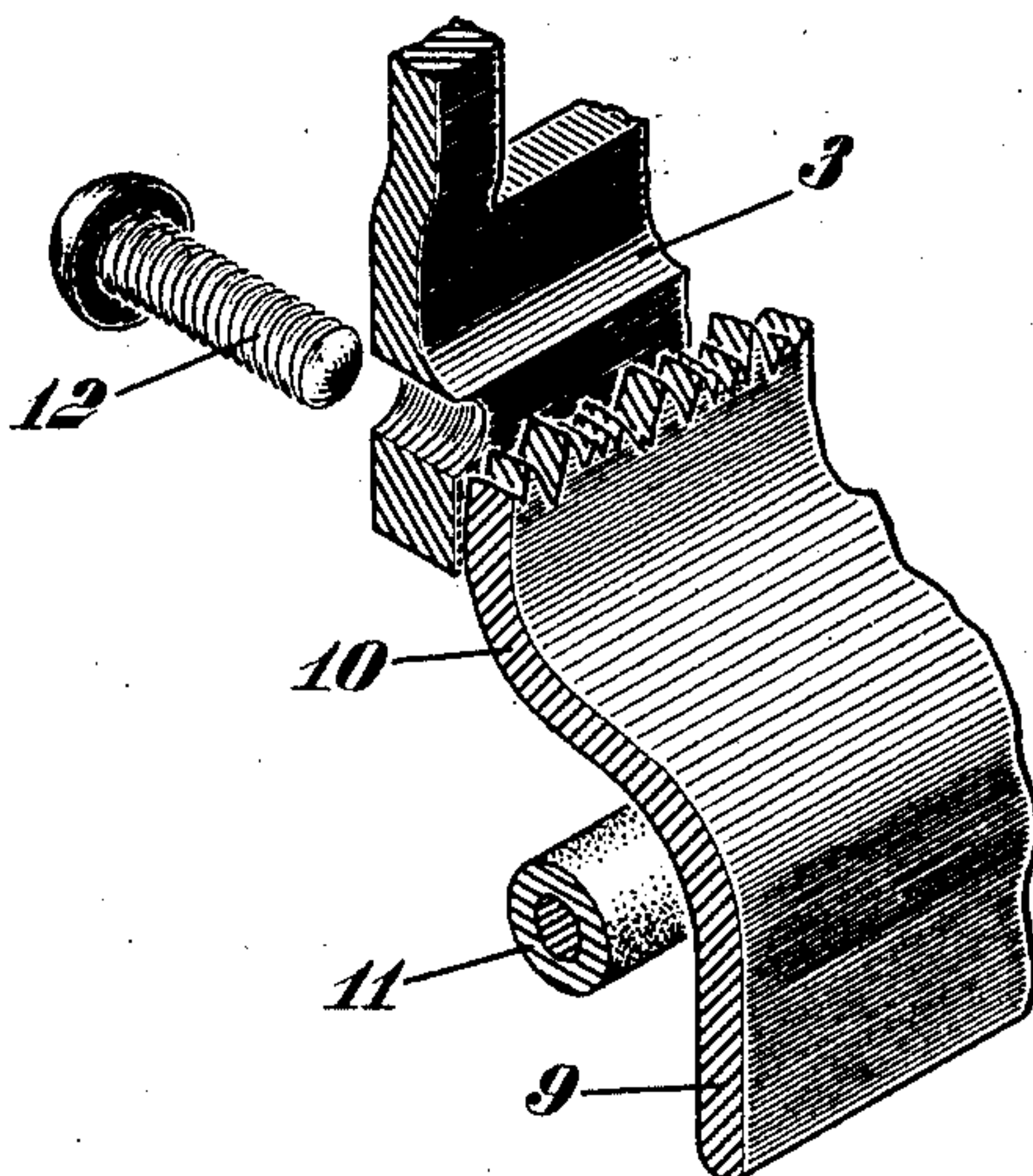


Fig. III.

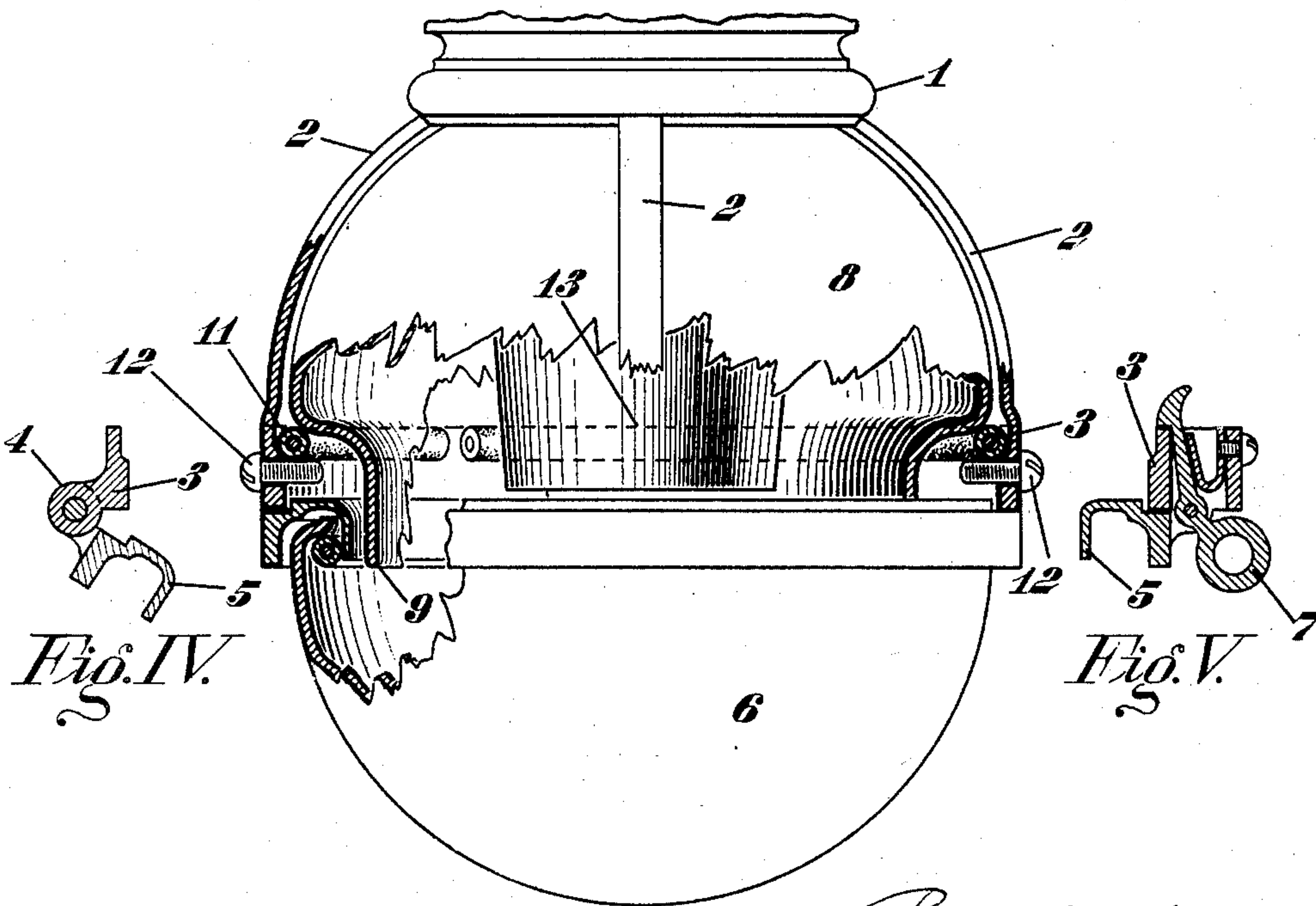


Fig. IV.

Fig. V.

Fig. I.

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DOMESUPPORT FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 711,297, dated October 14, 1902.

Application filed June 12, 1901. Serial No. 64,202. (No model.)

To all whom it may concern:

Be it known that I, ROBERT M. DIXON, a citizen of the United States, residing at East Orange, Essex county, State of New Jersey, have invented certain new and useful Improvements in Dome-Supports for Lamps, of which the following is a specification, reference being had to the accompanying drawings, which form a part hereof.

My invention relates to dome-supports for lamps, and will be described more particularly with reference to car-lamps. In the accompanying drawings I have shown a car-lamp in which my invention is embodied; but it will be understood that the invention is not limited to car-lamps.

In the drawings, Figure I is a broken-away sectional detail view of the lamp. Fig. II is a broken-away enlarged detail sectional view of the dome-supporting devices. Fig. III is a similar view showing the parts separated to more clearly illustrate their construction. Fig. IV is a sectional detail view of the hinge connecting the dome-supporting ring and a bezel for the globe, and Fig. V is a sectional detail view of the catch for holding the two rings together at a point opposite the hinge.

In the drawings, 1 indicates a ring or support from which depend a set of suspension or supporting arms 2. These suspension or supporting arms are quite narrow, so as to intercept as little light as possible. The suspension-arms 2 bear a dome-supporting ring 3 or body of a general annular shape not necessarily circular.

In this specification I shall use the word "ring" merely for convenience, it being understood that I wish to embrace within the said term any structure in the nature of a ring without confining myself to a circular structure.

The dome-supporting ring has hinged thereto by a suitable hinge, such as 4, a bezel 5, which bezel supports a suitable globe 6. A catch 7 may be provided to secure the swinging bezel to the stationary supporting-ring 3. The dome 8 is made of glass or other suitable transparent or translucent material and is

shown herein as of a general globular form and having a depending flange 9, which extends downward and covers the metal parts of the lamp and performs the double function of protecting the metal from the intense radiation of the flame and also serving as a reflecting-surface to reflect the light. The shoulder 10 of the dome rests upon an asbestos-covered supporting-wire 11, which is supported by screws or other suitable supports or projections 12. By swinging the bezel downward the globe may be allowed to hang down out of the way, and the dome may be removed from the lamp by unscrewing the screws 12 and lowering the dome. The dome may be replaced in the lamp by reversing the operation.

It is advantageous to employ the asbestos-covered wire, as asbestos, being substantially a non-conductor of heat, will not conduct heat from the globe to the metal parts of the lamp.

Located centrally within the globe is a suitable burner 13, which is herein shown as of a general tubular form.

Having described one form of my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a lamp the combination of a support 1 forming part of the lamp, having depending arms 2, a dome embraced by the said depending arms, a dome-supporting ring and inwardly-projecting means carried by the ring and engaging beneath said dome for supporting the said dome, whereby the said dome will be removably supported within the arm and ring structure.

2. In a lamp the combination of a support 1 forming part of the lamp, having depending arms 2, a dome embraced by the said depending arms and having a shoulder 10, a dome-supporting ring and inwardly-projecting means carried by the ring and engaging beneath the shoulder 10 of said dome for supporting said dome.

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