

L. E. FITZSIMONS.
LIGHTING FIXTURE.
APPLICATION FILED JAN. 17, 1911.

992,416.

Patented May 16, 1911.

FIG. 1-

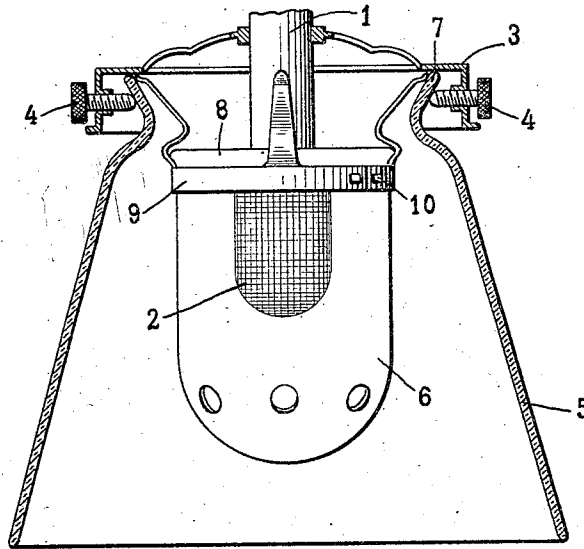


FIG. 2-

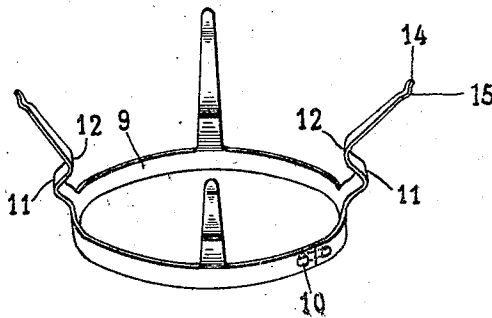
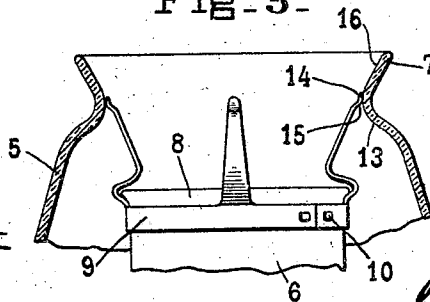


FIG. 3-



WITNESSES:

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LOUIS E. FITZSIMONS, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE NOVELTY MANUFACTURING COMPANY, OF WATERBURY, CONNECTICUT, A CORPORATION OF CONNECTICUT.

LIGHTING-FIXTURE.

992,416.

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To all whom it may concern:

Be it known that I, LOUIS E. FITZSIMONS, a citizen of the United States, and resident of Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Lighting-Fixtures, of which the following is a specification.

My invention relates to improvements in lighting fixtures and particularly to holders for shades and globes for inverted incandescent gas mantle lights. It is customary to provide globes in such constructions for shielding the mantle and a shade for reflecting or diffusing the light. These shades and globes accumulate more or less dirt and have to be cleaned and are often broken and have to be replaced.

It is my object to so simplify and arrange the parts that they may be assembled and disassembled readily for the purpose of cleaning and replacement.

I utilize a shade having a neck with sloping surfaces and adapted to be secured to a suitable type of shade holder by means for instance of set screws. The globe is provided with a flange and a holder secured to the globe which is adapted to be readily inserted into the shade and retained there by the action of spring fingers which however do not prevent the holder and globe from being drawn out when desired.

Figure 1, is a vertical section and side elevation of a fixture embodying the improvements of my invention. Fig. 2, is a perspective view of the globe holder. Fig. 3, is a fragmentary vertical section and side elevation showing the globe and its holder about to be assembled or separated from the shade.

The burner tube 1 is provided with a suitable burner (not shown herein) and a mantle such as 2.

A suitable form of shade holder, such as 3, is provided, secured to the burner tube and having a series of clamping devices such as the set screws 4, 4. The shade 5 is secured to the shade holder 3 and the globe 6 is supported inside the shade. The shade has an outwardly flaring neck 7 adapted to be engaged by the set screws 4, 4 for holding the shade in place.

The globe 6 has a flange at its upper end of smaller size than the interior of the neck of the shade 5 and supported by a holder

consisting of a ring 9 and a series of spring fingers. The ends of the strip forming the ring may be secured together in any suitable manner for instance by means of a link 10. Each finger has an outwardly flaring portion 11 and an inwardly flaring portion 12 forming recesses in their rear corresponding to the flange 8 of the globe 6. The fingers may be snapped into place over the flange 8. Each finger is formed at its tip so that the globe and its holder may be readily inserted into the shade or withdrawn therefrom. For this purpose the shade has an inclined surface 13 on which the outer upper tip 14 of each finger slides in assembling the parts. Each finger also has a downwardly facing shoulder 15 adapted to slide on the surface 16 of the neck in taking out the globe and holder. The shoulders 12, 12 securely hold the holder on the globe. The spring fingers yieldingly hold the globe in the shade. The parts are so yieldingly held however that the globe and its holder may be readily withdrawn when desired and the holder may be removed from the globe. The globe and its holder may be readily attached or detached without disturbing the shade or its holder.

What I claim is:—

1. In a construction of the character described, the combination with a shade open at the bottom and having a flaring flange at the top, of a globe closed at the bottom and having a flange at the top and a holder having a ring portion encircling the globe beneath its flange and having outwardly and upwardly extending spring fingers supported by the flaring flange at the top of the shade, but adapted to be disengaged by a downward pull when the globe is removed from the lower end of the shade.

2. In a construction of the character described, a globe having a flaring flange and a holder consisting of a ring surrounding the globe beneath the flange and having fingers bent outwardly and then inwardly around said flange and having their upper outer ends adapted to engage in the neck of a shade.

3. In a construction of the character described, a globe having a flaring flange and a holder consisting of a ring surrounding the globe beneath the flange and having spring fingers with recesses for the flange and hav-

ing their upper outer ends adapted to engage in the neck of a shade.

4. A globe holder comprising a globe-engaging ring 9 and outwardly flaring spring fingers having outwardly flaring portions 11, 11, inwardly flaring portions 12, 12 forming globe-flange receiving recesses and down-

wardly facing bearing shoulders 15, 15 substantially as described and for the purpose specified.

LOUIS E. FITZSIMONS.

Witnesses:

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