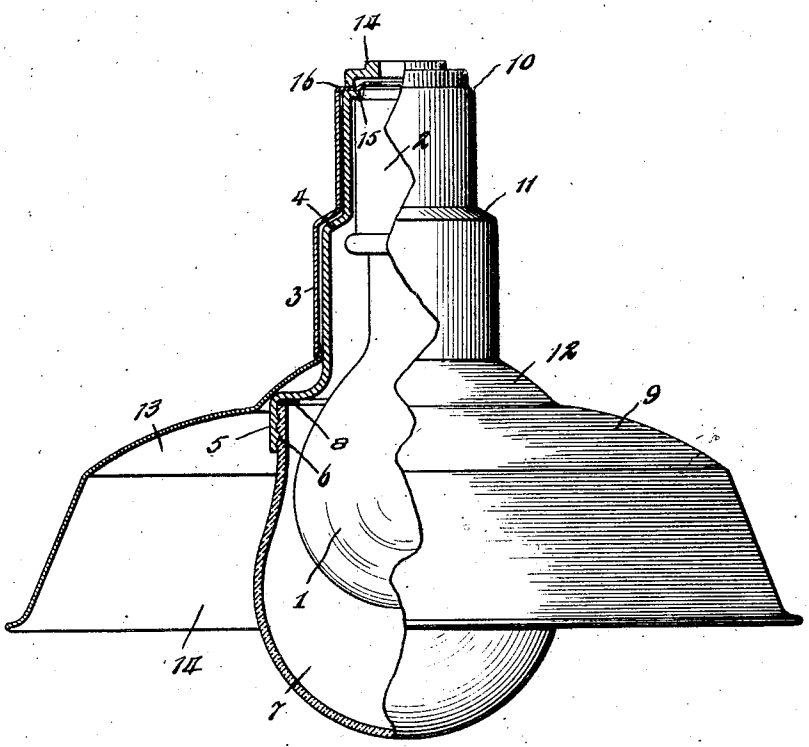
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L. C. DOANE

VAPOR PROOF LIGHTING UNIT

Filed Sept. 17, 1924



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UNITED STATES PATENT OFFICE.

LEROY C. DOANE, OF MERIDEN, CONNECTICUT, ASSIGNOR TO THE MILLER COMPANY, OF MERIDEN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

VAPORPROOF LIGHTING UNIT.

Application filed September 17, 1924. Serial No. 738,146.

The object of this invention is the construction of a vapor-proof lighting unit, comprising a globe and elongated holder which is adapted to be used with reflectors of standard construction, such reflectors being readily adjusted and detached, a simple locking nut at the top being the sole means of fastening the unit together.

An essential feature of a vapor-proof globe is that it shall be air and dust tight and that it shall be so constructed that it may resist the action of gases, explosive or otherwise. At the same time, the type of service may require something more than the globe itself and for those installations a reflector as hereinafter described is provided.

The figure is an elevation of a vapor-proof lighting unit cut away to expose a portion in section. In the figure 1 is the light source, having a socket 2, an elongated socket cover 3, with stepped formation at 4 to follow the lines of the socket terminating in a threaded ring 5 adapted to thread in the threadings 6 of a vapor-proof translucent glass globe 7. A gasket 8 makes the enclosure thus formed substantially vapor-proof. This combination complete in itself is further intended for use in combination with a reflector 9 of a standard type, which is stepped at points 10, 11 and 12 to follow the lines of the interior vapor-proof construction, while the lower parts of the reflector 13 and 14 are flared from the point where the direct suspension of the globe itself begins. The combination assembly is held together by the cap 14, a gasket 15 being placed between the cap and the top ring 16 of the reflector holder.

It will be observed that the unit can be used with or without the reflector which is of standard construction. The elongation of the holder for the globe permits the globe to sit well below the lamp, and the shape and position of the holder in turn permits the usual type of metal reflector with elongated neck for modern lamps to be readily adjusted thereon.

No attempt is here made to describe the various metals of which the holder, reflector and metal cap shall be made. The type of service will determine the metal to be employed, as it is contemplated to form these parts of a metal which will resist the action of the gases or fumes used in the service for which the unit is required.

I claim:

A vapor-proof lighting unit comprising an elongated socket cover terminating in a threaded ring, a globe threaded at the top adapted to thread into the ring, a detachable reflector with an elongated neck paralleling the socket cover and flaring therefrom and a locking cap adapted to retain the reflector and socket cover together.

Signed at Meriden, in the county of New Haven and State of Connecticut, this 11th day of September, 1924.

LEROY C. DOANE.