Dec. 21, 1926. 1,611,433

A. GORRETTA

LAMP HOUSING

Filed May 7, 1923

Fig. 1

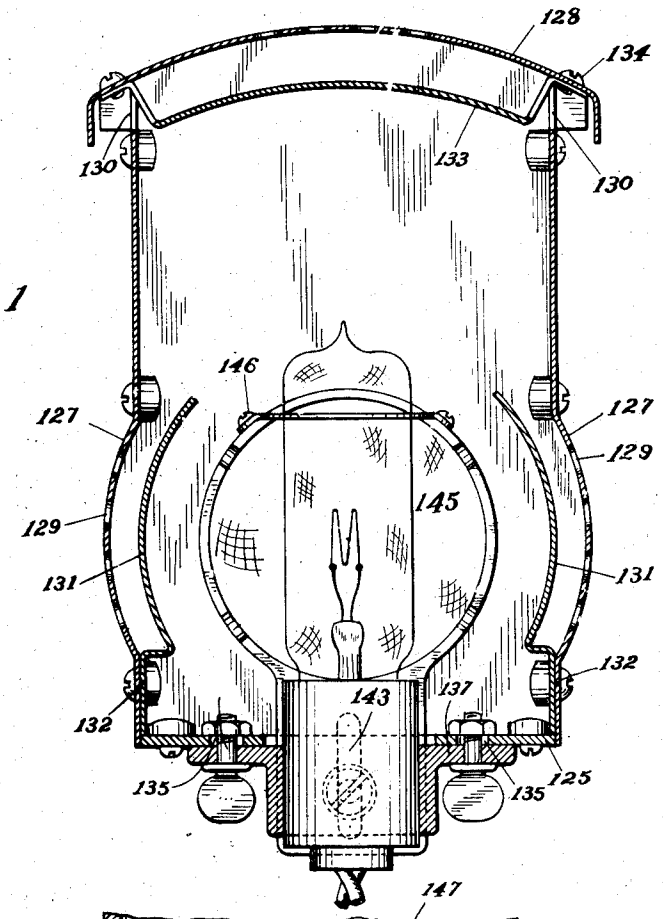
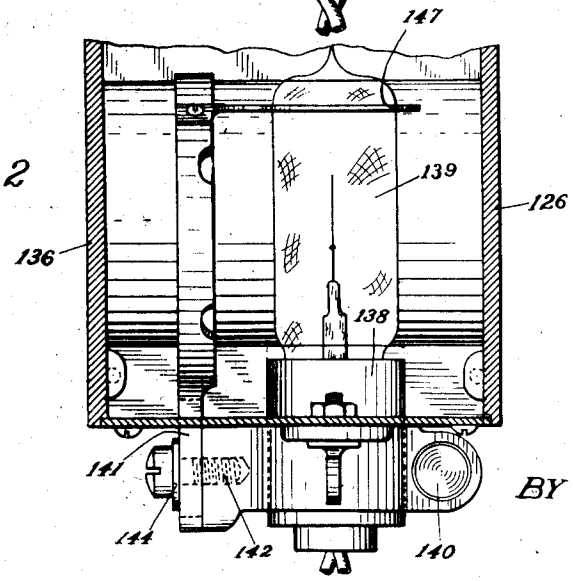


Fig. 2



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ATTORNEYS.

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UNITED STATES PATENT OFFICE.

ANDREW GORRETTA, OF CLEVELAND, OHIO, ASSIGNOR TO THE WORLDSEYE COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

LAMP HOUSING.

Application filed May 7, 1923. Serial No. 637,114.

My invention relates to lamp housings and more particularly to a lamp housing designed for use with motion picture machines and the principal object of my invention is to provide a new and improved lamp house of this type. In the drawings accompanying this specification and forming a part thereof I have shown, for purposes of illustration, one form which my invention may assume. In these drawings—

Figure 1 represents a vertical section through this illustrative embodiment of my invention, while

Figure 2 is a vertical section at right angles to the section of Figure 1.

The lamp housing herein shown is part of a motion picture machine more fully shown and described in three other applications for Letters Patent of the United States executed and filed by me concurrently herewith Serial Numbers 637,112 and 637,113 and 637,115.

The lamp house herein described comprises a base 125 from which rise a pair of end plates 126 and a pair of side plates 127 which in turn carry a top 128. These side plates 127 are apertured as shown at 129 to provide for ventilation and similarly the side plates 127 are spaced from the top plate 128 to provide apertures 130 for the same purpose. Means are provided to prevent the passage of light from the lamp outwardly through these apertures and these means are herein shown as comprising a pair of plates 131 secured to the sides 127 at 132 and serving to prevent the passage of light through the apertures 129 and a plate 133 secured to the top 128 at 134 and serving to prevent the passage of light through the apertures 130, the plates 131 and 133 being in each instance arranged, as shown, to not interfere appreciably with the passage of air through the apertures 129 and 130.

The base 125 is provided with a pair of elongated slots 135 adapted to receive bolts 136 arranged to adjustably secure to the base 125 a sub-frame 137 recessed to receive within itself the lamp socket 138 carrying a lamp 139 and split at its forward end to permit it to be tightly clamped about the lamp socket 138 by means of a clamp screw 140. Also carried by the sub-frame 137 is a reflector 141 secured to the sub-frame 137 by means of a screw 142 engaging the sub-frame 137 and passing through an elongated slot 143 in the reflector 141 and provided with an enlarged head adapted to clamp the reflector in position on the sub-frame 137 when the screw is tightened. Carried by this reflector 144, in addition to a suitable mirror 145, is a guide 146 provided with a circular aperture 147 adapted to receive the lamp 139.

It will be understood by those skilled in the art that the mechanism herein shown and described possesses various advantages over that now in use, particularly in the arrangement for mounting and adjusting the lamp and the mirror and the provisions for ventilating the lamp housing. It will be obvious to those skilled in the art that various modifications may be made from the construction herein disclosed without sacrificing these advantages or departing from the spirit of my invention. It will be understood, therefore, that this disclosure is illustrative only and that my invention is not limited thereto.

I claim:

A lamp and reflector unit comprising a sub-frame adjustably secured to the base of the lamp housing, a lamp socket adjustably supported in said sub-frame, a reflector cooperating with the lamp to be carried by said lamp socket and also adjustably supported in said sub-frame, and a guide carried by said reflector and adapted to cooperate with said lamp to properly coordinate said reflector and said lamp.

In testimony whereof, I hereunto affix my signature.

ANDREW GORRETTA.