Nov. 5, 1940. A. J. FOUTE 2,220,516

PILOT LIGHT ASSEMBLY

Filed April 28, 1938

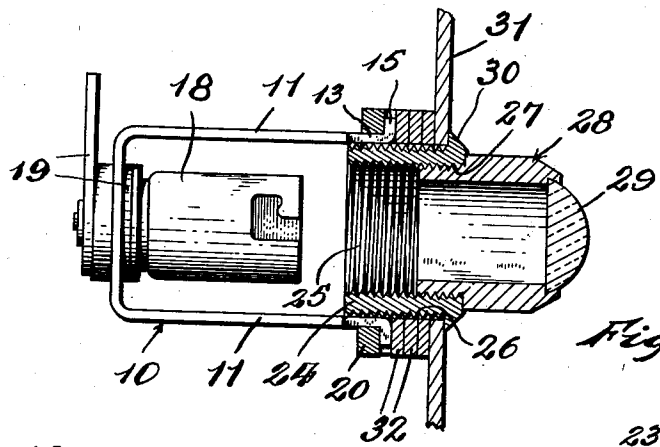


Fig. 1.

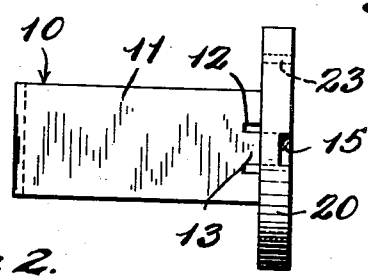


Fig. 2.

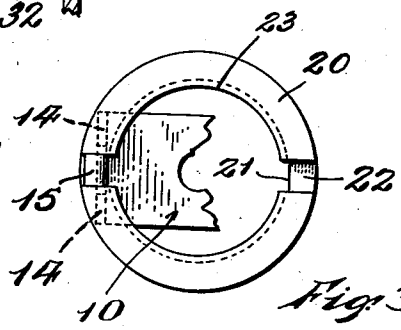


Fig. 3.

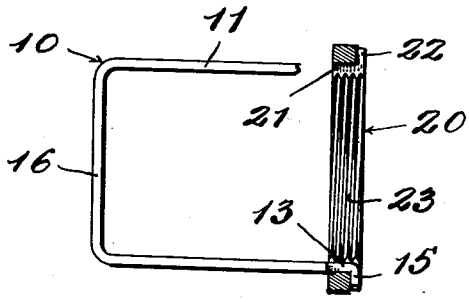


Fig. 6.

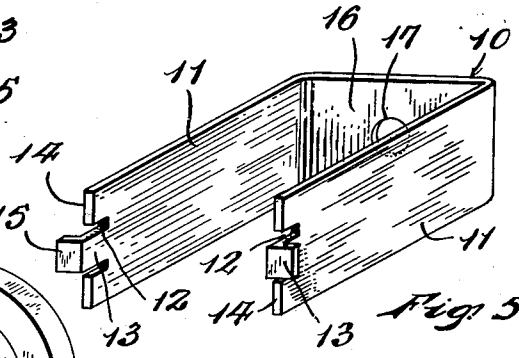


Fig. 5.

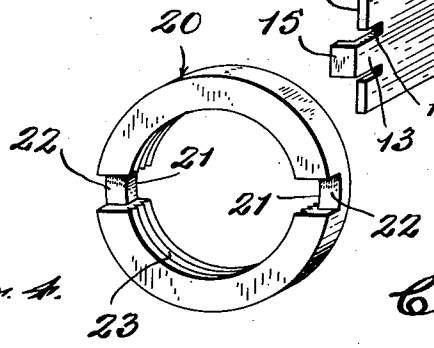


Fig. 4.

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PILOT LIGHT ASSEMBLY

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Application April 28, 1938, Serial No. 204,858

8 Claims. (Cl. 173—339)

This invention relates to lamp mountings and particularly to panel mountings for lights such as signal lights, pilot lights and illuminating devices, generally, and it consists in the constructions, arrangements and combinations herein described and claimed.

It is a special object of the invention to provide a construction which will enable the production of the device at an extremely low cost, and which will embody features of structure making for the ready mounting, replacement of lamps and efficiency in other respects.

It is also an object to provide the body of the mounting with novel means for attachment to a mounting ring.

It is a still further object of the invention to enable the body of the article to be formed from flat stock material by a simple blanking and bending operation.

Additional objects, advantages and features of invention will be apparent from the following description, considered in conjunction with the accompanying drawing, wherein:

Figure 1 is a side elevation of the mounting, partly in section.

Figure 2 is a side elevation of the body of the assembly and associated mounting ring.

Figure 3 is a top plan view thereof, part of the body being broken away.

Figure 4 is a perspective view of the ring.

Figure 5 is a similar view of the body.

Figure 6 is a sectional view through the ring, one leg of the body being broken away.

In carrying out the invention, I provide a substantial U-shaped body member 10 having a pair of parallel leg members 11, the outer ends of which are slotted longitudinally as at 12, defining a tongue 13, which as shown, is positioned medially of the legs. The tongues 13 extend beyond the shoulder portions 14 of the legs and respective tongues are bent laterally in opposite directions defining lips 15.

Medially of the bight 16 of the body member 10, there is provided an aperture 17 for mounting a socket 18. The socket 18 may be mounted in any convenient manner, and in any event, will include contact arms 19 establishing electrical circuit with the socket.

The body member 10 is detachably mounted upon a ring 20, the ring having a pair of oppositely positioned slots 21 cut in the inner peripheral edges of the ring with which communicating transverse slots 22 are formed, the latter slots extending from the inner to the outer periphery of the ring. The depth of the slots 21 are slightly greater than the thickness of the metal defining the tongues 13, so that when the tongues are positioned in the slots they will lie spaced inwardly of screw threads 23 formed upon the interior of the ring 20. The lips 15 lie within the slots 22 flush with the upper face of the ring.

The inherent resilience of the legs 11 tend to spring the legs outwardly in opposite directions, thus securely binding the member 10 to the ring 20, and by reason of the fact that the end portions 14 snugly abut the adjacent face of the ring, the body 10 will be firmly held to the ring.

A ferrule 24 is employed, screw threaded interiorly and exteriorly as at 25 and 26, the exterior threads 26 being complemental to the threads 23 of the ring, and the interior threads 25 receive the threaded shank 27 of a jewel mounting 28. The mounting 28 in the present instance is shown substantially as a cylinder, the outer end seating a jewel or lens 29. Preferably the ferrule 24 has a bezel 30 cooperable with a panel for mounting the assembly, as will be described hereinafter.

In use, with the body 10 secured to the ring 20, and it is desired to mount the assembly, a panel 31 is employed suitably apertured to receive the ferrule 24 therethrough. The threads 26 being engaged with the threads 23 of the ring 20, the ferrule is screwed home so as to draw the ring 20 snugly against the panel. If found necessary, a plurality of washers 32 may be interposed between the panel 31 and the ring 20, this depending upon the thickness of the panel and the desired positioning of the socket 18. After securement of the ring and ferrule, the jewel mounting 28 is engaged with the threads 25 of the ferrule. When it is desired to remove or replace a bulb in the socket 18, this may be done from the rear of the panel or access to the bulb may be had by removing the jewel mounting 28, as desired.

While I have specifically shown and described a preferred construction, this is by way of illustration only, and I consider as my own, all such modifications in structure as fairly fall within the scope of the appended claims.

I claim:

1. A lamp mounting consisting of a U-shaped body member defining a bight portion and having a pair of parallel spaced resilient legs, an interiorly threaded ring member, the ring member having a pair of longitudinal slots therein for reception of the free ends of the leg members, a ferrule threadedly engaged with the threads of the ring, the ferrule having a shoulder complemental to the ring for clamping action upon a

panel interposed therebetween, and a lamp socket mounted in the bight portion of the body member aligned with the ferrule.

2. A lamp mounting consisting of a U-shaped body member having a pair of parallel, spaced resilient legs, the free ends of the legs being longitudinally slotted to define a tongue, shoulder portions upon opposite sides of the tongues, each of the tongues having an oppositely disposed lateral lip member, an interiorly threaded ring member, the ring member having a pair of longitudinal slots therein for reception of respective tongues, laterally extended slots in the outer face of the ring in communication with the longitudinal slots for reception of respective lip members, the tongues and lips lying within their respective slots when said shoulders are in abutting engagement with the adjacent face of the ring member, a ferrule member threadedly engaged with the threads of the ring member, the ferrule having a shoulder complemental to the ring for clamping action upon a panel interposed therebetween, and a lamp socket carried in the bight portion of the U-shaped body member, aligned with the ferrule.

3. A lamp mounting comprising a generally U-shaped body having parallel spaced leg portions, each leg having a laterally extending flange at its free end, a clamping collar having a clamping surface adapted to be clamped against a supporting wall or the like, complementary clamping means associable with a margin of said collar and actuable to urge said collar against said wall, said collar having axially extending recesses along said margin adapted to receive the end portions of said legs and radially extending recesses formed in the said clamping surface and adapted to receive said lateral flanges when the legs are arranged in said first named recesses for holding said body member against said wall.

4. A lamp mounting as defined in claim 3 wherein the said end portions of said legs comprise tongues located adjacent the free extremities of said legs and bent laterally at a point intermediate of said tongues, and wherein said recesses are complementarily formed to receive said tongues.

5. A lamp mounting as defined in claim 3 wherein said legs comprise tongues extending longitudinally adjacent the free extremities of said legs and extending laterally from a point intermediate of said tongues, and wherein said legs comprise laterally extending shoulders adapted to abut the outer surface of said collar when the tongues are received therein.

6. A lamp mounting comprising a generally U-shaped body member comprising a pair of spaced, resilient legs, a clamping collar having opposed axially extending slots formed on the inner surface thereof and adapted to receive the free end portions of said legs, said slots terminating in radially extending slots on one axial end surface of said collar, each of said legs having adjacent its free extremity a longitudinally extending portion and a laterally extending portion complementary to said axial and radial slots and receivable therein, and clamping means operatively associated with said collar for gripping said collar against a supporting wall or the like with said axial end surface clamped against said wall.

7. A lamp mounting as defined in claim 6 wherein said collar comprises internal thread sections disposed radially inwardly of said slots and said clamping means is complementarily engageable with said thread sections for exerting a clamping action.

8. A lamp mounting comprising a body having a longitudinally extending supporting leg, a laterally extending leg at one extremity of said longitudinal leg having a lamp socket mounted thereon, the other extremity of said longitudinal leg comprising a lateral tongue portion, a clamping member having a laterally extending clamping surface, means associable with a peripheral margin of said member for clamping said surface against a supporting wall or the like, said clamping member having a lateral slot formed in said clamping surface and adapted to receive said lateral tongue, said clamping member having a second angularly disposed slot formed in said peripheral margin and communicating with said first named slot to receive a longitudinally extending portion of said leg when said tongue is disposed in said first named slot.

ALBERT J. FOUTE.