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2,595,155

LIGHT SOCKET ADAPTER FOR PHOTOGRAPHIC FLASHLIGHT BULBS

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Fig. 1.

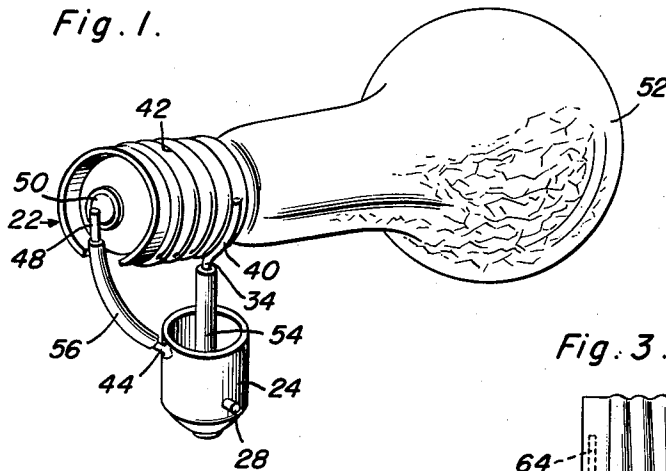


Fig. 3.

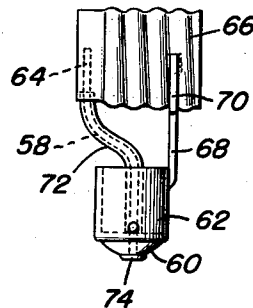


Fig. 2.

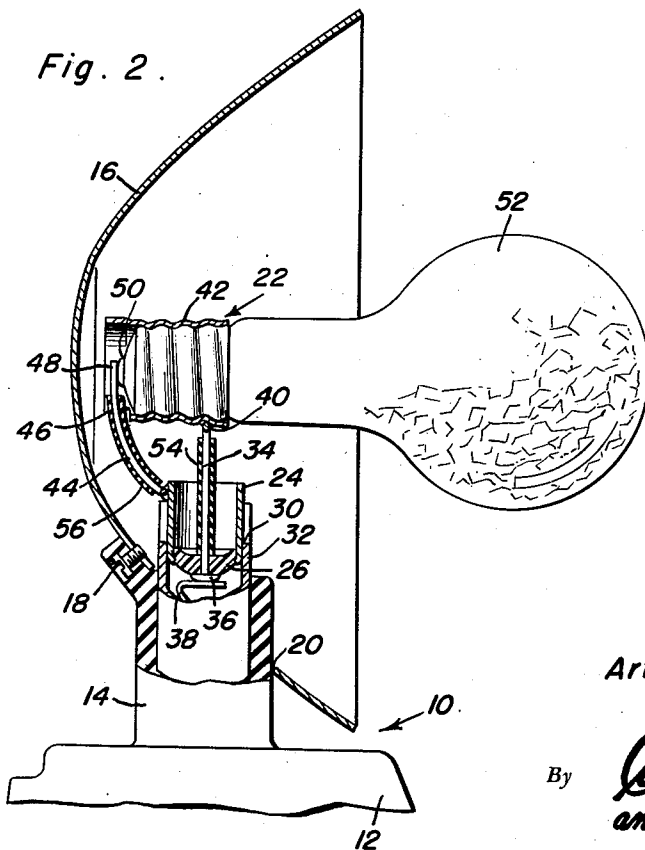
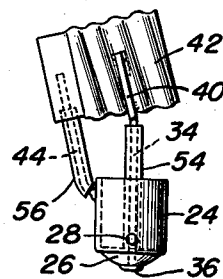


Fig. 4.

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LIGHT SOCKET ADAPTER FOR PHOTOGRAPHIC FLASHLIGHT BULBS

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3 Claims. (Cl. 173-344)

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This invention relates to new and useful improvements in photographic apparatus and the primary object of the present invention is to provide a device for supporting a photographic bulb in a predetermined angle relative to a photographic flashlight bulb holder.

Another important object of the present invention is to provide a bulb holder including novel and improved means for detachably engaging the usual socket provided in flashlights for photographic work.

A further object of the present invention is to provide an adapter for photographic flashlight bulbs that is small and compact in structure and which is quickly and readily applied to or removed from a flashbulb and holder therefor in a convenient manner.

A still further aim of the present invention is to provide a bulb holder that is simple and practical in construction, strong and reliable in use, neat and attractive in appearance, relatively inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of the present invention and showing the same supporting a flashbulb;

Figure 2 is a fragmentary vertical sectional view of a photographic flashlight and showing the present invention applied thereto and supporting a flashbulb;

Figure 3 is a side elevational view of the present invention in slightly modified form; and,

Figure 4 is a side elevational view of the present invention in slightly modified form.

Referring now to the drawings in detail, wherein for the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral 10 represents a photographic flashlight or flashbulb carrier generally, including a pedestal or base 12, an upright 14 rising from the base 12 and a substantially concavo-convex reflector 16 that is removably secured to the upright 14 by fasteners 18.

The reflector is provided with an opening 20 that receives the upright 14 so that the reflector will be supported in a substantially vertical position as illustrated in Figure 2.

The present invention does not attempt to claim

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the above conventional and well known structure but is merely an adapter therefor that will support a flashbulb in the said reflector.

The numeral 22 represents the present invention generally, as illustrated in Figures 1 and 2 of the drawings. The same embodies in its construction a sleeve, socket engaging member or plug 24 having an insulating bottom wall 26.

Projecting outwardly from the outer periphery of the sleeve 24, is a lug or protuberance 28, or a pair of diametrically opposed lugs or protuberances, that are lockably received in bayonet slots or a bayonet slot 30 provided in a socket 32 mounted on the upright 14.

Extending through the bottom wall 26, is a supporting arm or post 34 of conductive and bendable material having a contact 36 at its lower terminal that bears against contact finger 38 mounted in the upright 14.

The upper terminal of the post 34 is provided with a bifurcated portion or U-shaped member 40 that forms an integral part of the post 34 or which is rigidly attached to the post 34.

The member 40 embraces a socket or internally threaded sleeve 42 and is fixed to the outer periphery of the sleeve 42 by any suitable means such as welding or the like.

A rigid contact arm or conductor 44 having one end fixed to the sleeve 24, extends upwardly through a slot or notch 46 provided in one end of the socket 42, and the free end 48 is positioned centrally within the socket 42 to bear against the base 50 of a flashbulb 52 that receivably engages the socket 42.

It is preferred that the socket 42 be disposed at right angles to the post 34, however, by using a bendable material for the post 34 the same may be twisted or turned so that the socket 42 will be disposed at a predetermined angle. A further method is to weld the bifurcated member 40 at a predetermined angle with the post 34 as shown in Figure 4.

In order to shield the post 34 and conductor 44, there is provided a pair of insulating sleeves 54 and 56 that embrace the post and conductor respectively.

Reference is now directed to Figure 3, wherein there is disclosed the present invention in slightly modified form. In this embodiment, the conductor 58 extends through the bottom wall 60 of the sleeve 62 and the upper end 64 of the conductor is positioned within the socket 66.

The post 68 is fixed to the outer periphery of the sleeve 62 and the free bifurcated terminal 70

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of the post 68 embraces and is suitably fixed to the socket 66.

Suitable insulating sleeves 72 embrace the conductor and post, and the lower end of the conductor 58 is secured to a contact 74.

The above described and illustrated structure is so designed as to provide a small and compact article, however, the shape and size of the sleeves 24 and 42 may be varied in accordance with the particular types of bulbs and flashlights used in conjunction with the same as well as the electrical connecting means. Obviously, the flashlight 10 is provided with a suitable switch (not shown) whereby the bulb 52 will be energized when desired.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. An extension socket comprising a conductive sleeved base having an insulating lower wall, a conductive arm extending axially through the base and the lower wall and including a flattened end disposed exteriorly of and against the lower wall of said base to form a contact, a conductive socket member fixed to the other end of said arm and supported relative to said base solely by said arm, and a conductor attached

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at one end to said base and having its other end extending into said socket member.

2. An adapter for flashlight bulbs comprising a conductive sleeve having an insulating bottom wall, a conductive post extending axially through the sleeve and including a lower end projecting through said wall and terminating in a contact disposed exteriorly of said wall, a socket member fixed to said post and spaced from said sleeve, and a conductor attached at one end to the sleeve and having its other end positioned in and insulated from said socket member.

3. An adapter for flashlight bulbs comprising a conductive sleeve having an insulating bottom wall, a conductive post extending axially through the sleeve and including a lower end projecting through said wall and terminating in a contact disposed exteriorly of said wall, a socket member fixed to said post and spaced from said sleeve, a conductor attached at one end to the sleeve and having its other end projecting radially into said socket member and spaced from the walls of said socket member, and an insulated covering about the conductor intermediate its ends.

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