

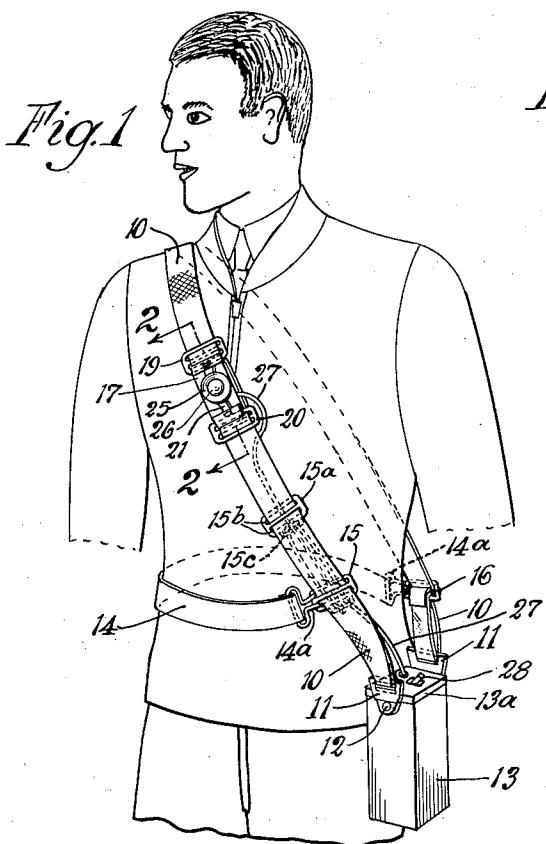
Oct. 14, 1941.

C. V. DAME

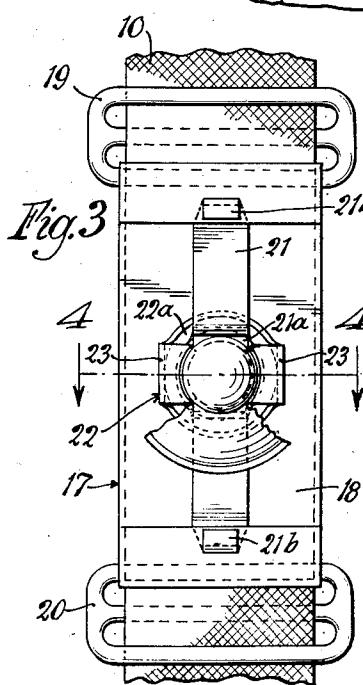
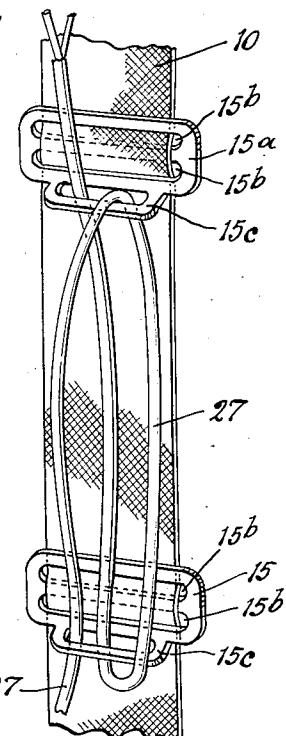
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PORTABLE ELECTRIC LAMP

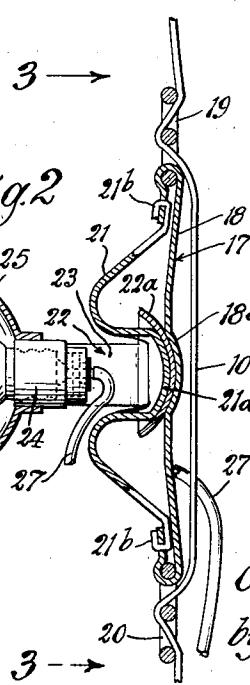
Filed Sept. 30, 1938



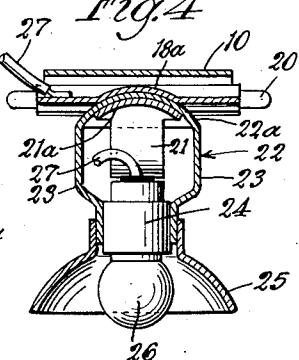
*Fig. 5*



*Fig. 2*



*Fig. 4*



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# UNITED STATES PATENT OFFICE

2,259,154

## PORTABLE ELECTRIC LAMP

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Application September 30, 1938, Serial No. 232,485

3 Claims. (Cl. 240—59)

This invention relates to improvements in portable electric lamps, particularly of the type adapted to be carried by a shoulder sling, or the like, to provide illumination for the wearer while doing chores, hunting, fishing or performing other duties or engaging in other pursuits.

One object of the invention is to provide a lamp of the character mentioned comprising a lamp supporting member adjustable along a shoulder sling and providing means for adjusting the lamp relatively to said member to facilitate projecting the light in any desired direction.

Another object of the invention relates to the provision of a novel sling construction for supporting a battery or dry cell or cells which supply current to the lamp which is provided with means for adjusting any slack or surplus conductor by means of which the lamp is supplied with current from the battery.

Another object relates to the provision of a universal adjustable mounting means for a lamp or other element.

Other objects of the invention relate to various features of construction and arrangement of parts which will be apparent from a consideration of the following specification and accompanying drawing, wherein:

Fig. 1 is a perspective view of a shoulder sling supported lamp embodying the present improvements;

Fig. 2 is an enlarged longitudinal sectional view taken on line 2—2 of Fig. 1;

Fig. 3 is a front elevation of the structure shown in Fig. 2 and looking in the direction of the arrows 3—3;

Fig. 4 is a sectional view taken on line 4—4 of Fig. 3; and

Fig. 5 is an enlarged broken perspective of a slack adjuster for the conductor by means of which current from a battery may be supplied to the lamp.

In the drawing, the portable illuminating apparatus is shown as comprising a shoulder sling 10 adapted to pass over a shoulder of a wearer and at its lower ends engages ears 11 which are pivotally attached as at 12 to a battery casing or carrying member 13. A belt 14 is shown which extends partially around the wearer's body and is provided with hooks 14a at the ends thereof for engagement with the sling such as the metal guide member 15 at the forward portion of the sling and an adjustable buckle 16 at the rear side thereof. By means of the buckle 16, the effective length of the sling may be adjusted to suit a particular user. The belt 14 retains the sling in

position and prevents excessive swinging of the battery casing away from the side of the wearer.

Mounted on the forward portion of the sling is a lamp support indicated generally by the numeral 17 and comprising a base 18 connected to upper and lower guides 19 and 20, respectively, through which guides the sling 10 passes. Due to the threading of the sling through the slots of the members 19 and 20, the support 17 is retained in any adjusted position along the forward portion of the sling. The members 19 and 20 thus provide not only means for carrying the support 17 but facilitate the adjustment of the same longitudinally of the sling.

The base member 18 which may be of sheet metal and somewhat flexible, if desired, is provided with a spherical portion 18a, the concave surface of which is disposed on the side remote from the sling. Attached to the ends of the base member 18 is a tension member 21 also of flexible sheet metal and provided with a semi-spherical portion 21a which is disposed in alignment with the portion 18a. The member 21 may be attached to the member 18 by any suitable means such as by the hooks 21b shown in Fig. 2 of the drawing.

A lamp socket carrying member indicated generally by the numeral 22 is provided and which, in the form shown, is generally of U-shaped construction and is provided with a spherical portion 22a which is disposed between the portions 18a and 21a as shown in Fig. 2. The tension member 21 exerts pressure against the portion 22a for retaining the latter in frictional contact with the member 18a. Due to the nested concave portions 18a, 21a and 22a, a universal mounting is provided which enables the member 22 to be adjusted in all angular directions for directing the light from a lamp carried thereby as may be desired by the user.

The member 22 comprises a pair of arms 23 between which a lamp socket 24 is disposed and carried. If desired, a reflector 25 may be carried by the socket 24 as shown. A lamp 26 is shown in the socket in Figs. 1, 2 and 4.

The casing 13 is provided with a battery such as one or more dry cells which are connected by conductors 27 with the terminals of the lamp socket 24. If desired, one of the conductors 27 may be grounded to the base 18 as shown in Fig. 4 if the socket is of a single terminal type as illustrated. A switch 28 may conveniently be located on the cover 13a of the casing for controlling the flow of current to the lamp. The particular connections of the conductors 27 with

the battery and of the connection of the switch in the circuit are not pertinent to the invention and are not shown in detail. By operating the switch 28, the lamp can be lighted as desired. Due to the universal mounting of the member 22, the lamp can be turned in any angular direction for directing the light as desired by the wearer. By means of the member 16, the sling can be adjusted as to length to suit a particular individual and the lamp supporting member 17 can be moved longitudinally of the sling as may be desired. The conductors 27 are of sufficient length to accommodate any desired adjustment of the lamp supporting member 17 toward or away from the battery casing.

For the purpose of confining the conductors 27 in orderly manner along the inner surface of the sling, a conductor guide 15a is provided for cooperation with the guide 15. The guides 15-15a are provided with slots 15b through which the sling is threaded and are provided also with slotted ears 15c through which the conductors 27 are looped as illustrated in Fig. 5. By moving the members 15-15a farther apart, surplus slack in the conductor will be taken up as will be obvious or by moving one toward the other, the effective length of the conductor will be increased. Hence, in adjusting the supporting member 17 longitudinally of the sling in one direction or the other, one or both members 15-15a may be adjusted to lengthen or shorten the effective length of the cable as may be required.

By means of the present improvements, one doing chores at night or fishing or hunting after dark or performing other duties or engaging in other pursuits is provided with an efficient source of illumination which is readily adjustable to his needs and which is of convenience in use.

While I have shown and described certain embodiments of my improvements for the purpose of illustration, I do not wish to be restricted specifically thereto except as so limited by the appended claims.

What I claim as new and desire to cover by Letters Patent is:

1. A lamp support comprising a base provided with a spherical concavity in its forward surface, a socket carrying member provided with a concavo-convex portion with the convex surface thereof adjustably positioned in said concavity, and a flexible strip member attached at the ends thereof to said base and provided with an intermediate convex surface nested in and pressing on the concave portion of said socket carrying member for retaining said member in adjusted position.

2. Portable illuminating apparatus comprising 15 a base provided with transversely slotted members at the ends thereof through which a sling is adapted to be threaded for slidably securing the base to the sling, said base having a concavity intermediate the ends thereof, a lamp 20 socket, a socket supporting member provided with a concavo-convex portion seated in the concavity of said base, and a flexible strip secured to the base and having a convex portion seated in the concave portion of said socket supporting member 25 and exerting spring tension on the latter whereby the latter is frictionally supported for universal adjustment between said supporting member and said base.

3. Portable illuminating apparatus comprising 30 a base of strip material provided with an intermediate concavity, a lamp socket supporting member of U-shape, the intermediate portion of which is concavo-convex, and a flexible strip 35 attached at the ends to said base and of a width less than the spacing of the arms of the U-shaped member and provided with an intermediate convex portion adapted to seat in the concave portion of the U-shaped member and to press the convex portion thereof into frictional 40 contact with the concavity of said base for securing said U-shaped member between said base and said flexible strip for universal adjustment.

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