

1

2,710,338

PORTABLE LAMP FOR MECHANICS' USE

John W. Svaigaard, Minneapolis, Minn.

Application September 11, 1951, Serial No. 246,018

1 Claim. (Cl. 240—59)

This invention relates to portable lamps used by mechanics for illuminating an object under construction or repair, the primary object of the invention being to provide a lamp support wherein the usual trouble lamp may be supported with such respect to the person using the lamp that the light rays from the lamp will be directed to a proper illuminating position.

An important object of the invention is to provide means for supporting a trouble lamp on the body of the person using the lamp, in such a way as to leave the persons hands free for accomplishing the work.

Another important object of the invention is to provide a bracket or support which is pivotally connected with a portable lamp body in such a way that the lamp may be moved to various angular positions with respect to the body of the user, to properly focus the lamp on the work.

A further object of the invention is to provide a trouble lamp having a socket formed with contact blades extending therefrom, the contact blades being adapted to be positioned in a socket member attached to one end of an electric cord so that connection with the lamp and electric cord may be readily made, eliminating the necessity of carrying a length of electric cord with the lamp when moving from place to place.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claim, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawing:

Figure 1 is an elevational view illustrating the use of the lamp support.

Fig. 2 is a front elevational view thereof.

Referring to the drawing in detail, the reference character 5 indicates the lamp housing, which is so constructed that it provides a reflector for the lamp mounted therein. As shown, the lamp housing which is constructed preferably of sheet metal material, has a reduced end 6 in the form of a semi-circular clamping member having right-angled ends 10 formed with openings to receive the securing screws 8. Also forming a part of the lamp housing is the guard 8' which is in the form of a grill, the wires of the grill 8' being connected to the semi-circular clamp 9 formed with right-angled ends 7 that cooperate with the right angled ends 10 in clamping the housing around the lamp socket 11. The lamp socket 11 accommodates the lamp 12, and as shown, the lamp

2

socket is provided with contact blades 13 designed to fit in a socket to receive the blades and which is secured to one end of an electric conductor, such as indicated at 14, so that in using the lamp, it is unnecessary to carry a length of conductor cord with the lamp.

The bracket forming the subject matter of the present invention, includes a substantially U-shaped member 14', the legs 15 thereof being inclined inwardly towards the lamp housing, as shown by Fig. 2 of the drawing, providing a wide supporting bar 16. The ends of the legs 15 are formed with eyes 17 that fit over the threaded bolts 18 that extend laterally from the section 5 of the lamp housing at a point substantially intermediate the length of the housing. The reference character 19 indicates arms that are formed with eyes 20, the eyes 20 being forced against the eyes 17 by means of the wing nuts 21 that operate on the threaded ends of the bolts 18.

Due to this construction, it will be obvious that the arms 19 may be adjusted with respect to the member 14', and the member 14' and arms 19 may be adjusted with respect to the lamp housing proper, thereby adapting the device for supporting the lamp at various positions with respect to the body of the person using the lamp. The device is designed to be supported by the tubular sling that has its ends fitted over the free ends of the arms 19, the arms 19 extending substantial distances into the ends of the tubular sling to brace the sling in various positions of adjustment.

From the foregoing it will be seen that I have provided a support for the usual trouble lamp used by mechanics in illuminating the work, and because of the construction of the device, the housing and lamp may be supported at the desired position to properly illuminate the work.

By loosening the wing nuts 21 the U-shaped member 14' may be moved to various angular positions to change the position of the lamp with respect to the body to better adapt the lamp for illuminating the work.

Having thus described the invention, what I claim is:

The combination with a vertically elongated trouble lamp having threaded bolts extending laterally therefrom at points intermediate the ends of said lamp, of a trouble lamp support comprising a substantially U-shaped bracket including a horizontal supporting bar, laterally extended parallel legs formed integral with said horizontal supporting bar, said legs having eyes formed at the free ends thereof fitted over said bolts, a pair of arms having eyes also fitted over said bolts, wing nuts threaded on said bolts securing adjacent arms and legs together and to said trouble lamp, and a tubular sling having its ends fitted over said arms frictionally securing the tubular sling to said arms.

References Cited in the file of this patent

UNITED STATES PATENTS

1,051,438	O'Neil	Jan. 28, 1913
1,530,402	Parker	Mar. 17, 1925
1,667,343	Bronson	Apr. 24, 1928
1,783,874	Dryden	Dec. 2, 1930
2,004,265	Zadek	June 11, 1935
2,034,100	Hoefflinger	Mar. 17, 1936
2,382,538	Biller	Aug. 14, 1945
2,524,435	Emigh	Oct. 3, 1950
2,526,729	Carlson	Oct. 24, 1950