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H. D. FINE

2,492,852

PORTABLE LIGHTING FIXTURE

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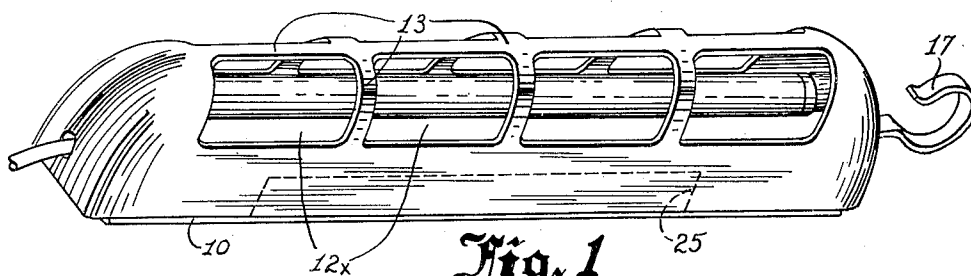


Fig. 1

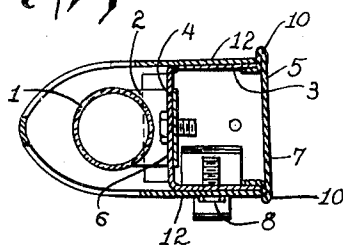


Fig. 3

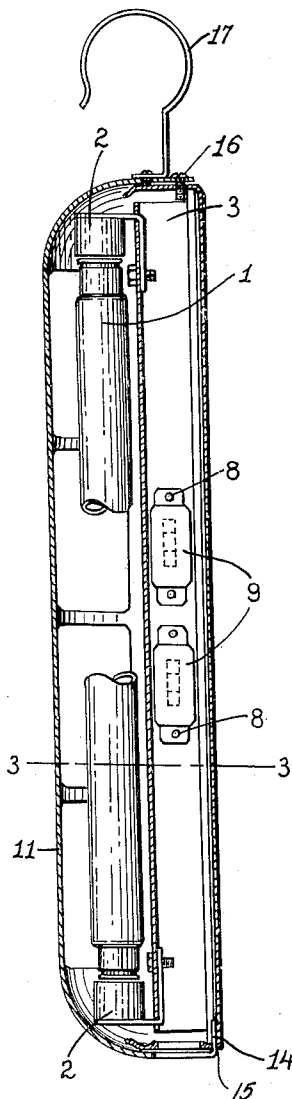


Fig. 2

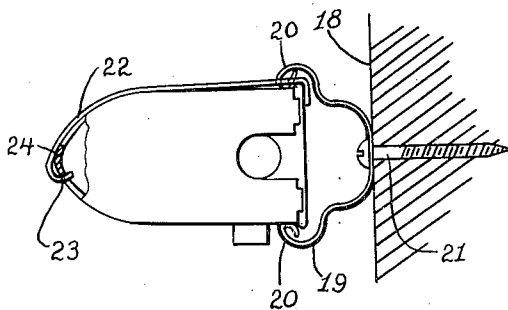


Fig. 4

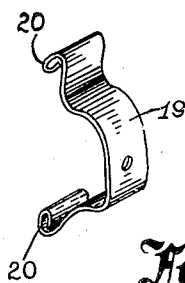


Fig. 5

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PORTABLE LIGHTING FIXTURE

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1 Claim. (Cl. 240—11.4)

1

This invention relates to electric lighting devices and particularly to portable type lighting fixtures.

It is an object of the invention to provide a portable lamp adapted to use fluorescent illumination.

A further object of the invention is to provide a portable type of lamp which is of small size adapted to reach inaccessible places but of sufficiently high light output to provide efficient working conditions.

A further object of the invention is to provide a portable lighting device having a maximum degree of protection against mechanical damage and having a minimum weight.

A further object of the invention is to provide a portable lighting fixture having means whereby it may be temporarily used as an installed fixture.

To provide a better understanding of the invention a particular embodiment thereof will be described and illustrated in the drawings in which:

Figure 1 is a perspective view of a fixture embodying the invention;

Figure 2 is a longitudinal sectional view of the fixture;

Figure 3 is cross section on line 3—3 Figure 2;

Figure 4 is an end view of the fixture showing the manner in which it may be temporarily installed upon a wall; and

Figure 5 is a perspective view of the holding device for installing the fixture as shown in Figure 4.

The fixture utilizes a fluorescent lamp 1 as its source of illumination. The lamp is supported in lamp holders 2 secured to a chassis 3. The chassis 3 is of rigid construction and is composed of upper and lower elongated relatively narrow members 4 and 5 which are channel shaped in cross section. The upper section 4 presents a top reflector surface 6. The lower section 5 is received within the sides of the channel 4 and presents a bottom wall 7 for the chassis. The portions 4 and 5 fit tightly together and may be further secured in any desired manner. Screws 8 are provided to secure control switches 9 to the inner face of one wall of the reflector. The switches 9 have their control members projecting outward and function in the conventional manner in connection with suitable wiring, not shown, to start and stop the operation of the lamp.

The member 5 is provided with laterally pro-

2

jecting bead portions 10 desirably but not necessarily situated in the plane of the bottom 7 and may extend for the full length of the chassis or for a portion of the length thereof.

A combined cover and protector member 11 is drawn from sheet metal and is provided with integral side and end portions embracing and substantially covering the chassis, the bottom edge of its side portions 12 desirably bearing against the beads 10. The member 11 is drawn from one piece of sheet metal and desirably presents a rigid and streamlined form shown in Figure 1. The upper portion of the member 11 is provided with light openings 12 arranged to present protective grill bars 13.

The cover member 11 may be secured to the chassis in any desired manner. As shown herein one end wall thereof is provided with a locking lip 14 which is projected into a slot 15 in the end wall of the chassis thus securing one end of the member 11 to one end of the chassis. The other end of the member 11 is secured to the chassis by means of a screw 16 having threaded engagement with the chassis end wall. A suitable hook 17 is provided by means of which the device may be hung up during use thereof or when not in use.

A feature of the invention is the provision of means for temporarily installing the fixture in a preselected location as upon the wall 18 shown in Figure 4. To detachably secure the lamp a spring clip 19 is provided which embraces the bottom of the lamp and has clip portions 20 at its ends which interlock with the beads 10 on the fixture chassis. The clip is held on the wall by a screw 21 or in any suitable manner. The clip may be positioned to hold the fixture horizontally or vertically.

In the drawing the fixture is shown in a horizontal position and if desired a shade 22 may be provided which cuts off light from a portion of the lamp and permits light to shine downward. The shade 22 also acts as a reflector to project the light in a given direction as well as shading it from the eyes which may be desirable for certain kinds of work. The shade is provided with lips 23 one of which slips over the bottom edge of the chassis and the other clips upon the longitudinal grill bar 24.

If it is desired to use the fixture as a portable lamp it may readily be disconnected from the clip and is immediately available for use in lighting difficult locations as when working in and about an automobile or aeroplane.

3

If desired the member 11 may be constructed with its lower side portions partially cut away at the area within the dotted lines indicated at 25 in Figure 1 thus to improve its economy of production.

What I claim is:

An armored type portable fluorescent lighting fixture comprising a hollow elongated chassis having a channel shaped upper portion presenting a reflector surface and a channel shaped lower portion fitting within the upper portion and having laterally projecting beads along its sides, said chassis having a slot in one end wall thereof and a threaded aperture in the other end wall thereof, lampholders secured to the chassis, a unitary cover member of sheet metal having light openings therein arranged to present protective grill bars, said cover having unperforated integral side and end portions extending down to envelop said chassis and engage

4

the beads thereon, a locking lip on one end of said cover member and in engagement with said slot in said chassis, and a screw extending through the other end of said cover member and into the threaded aperture therefor in said chassis.

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10 The following references are of record in the file of this patent:

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