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E. A. ZADIG

2,525,163

PORTABLE LAMP

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Fig. 1.

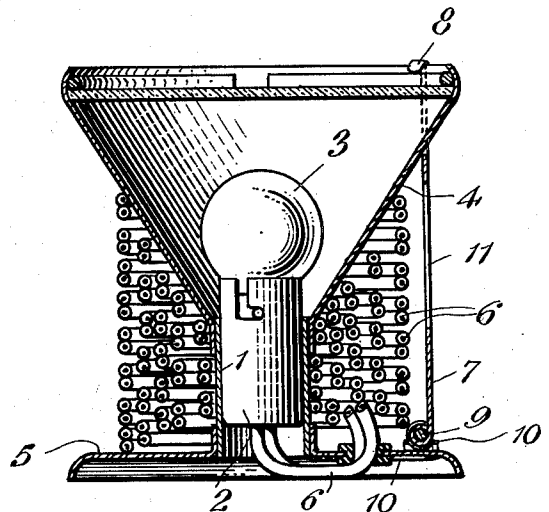


Fig. 2.

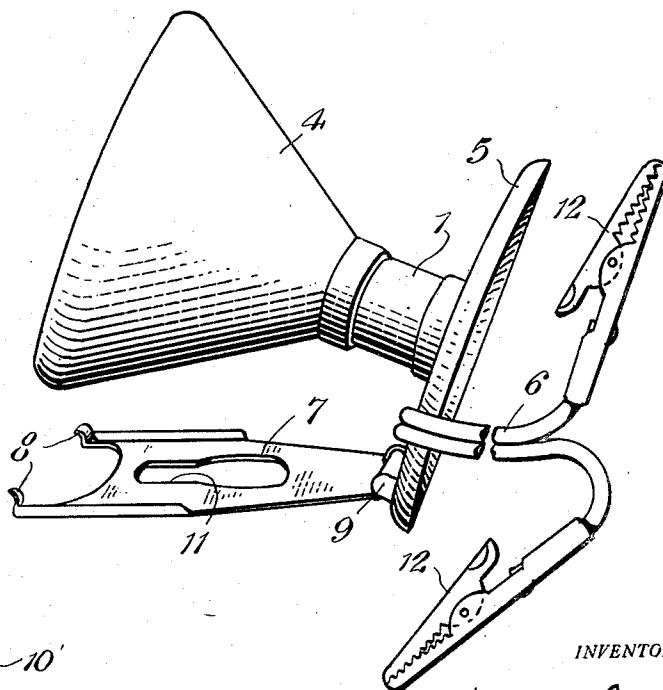
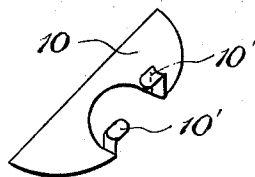


Fig. 3.



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UNITED STATES PATENT OFFICE

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PORTABLE LAMP

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2 Claims. (Cl. 240—8.18)

1

This invention relates to portable lamps, and more particularly to lamps of the type sometimes referred to as trouble lamps. Such lamps are usually equipped with an extension cord for attachment to a source of electric current, so that the lamp itself may be moved to a desired position. The lamp hereinafter described is adapted for use in automobiles, for example, where the usual lamps are mounted in fixed positions and it is frequently desirable to have a portable lamp available for use when changing tires or making motor repairs at night.

It is an object of the invention to provide a portable lamp which is cheap to manufacture, which occupies a very small space when not in use, which is designed to carry its conductor wire within its overall dimensions, and which may be easily set up and adjusted to direct a beam of light to the desired position when in use.

Other objects and advantages of the invention will appear hereinafter.

A preferred embodiment of the invention selected for purposes of illustration is shown in the accompanying drawings, in which,

Figure 1 is a vertical section through the lamp.

Figure 2 is a perspective view.

Figure 3 is a perspective view of part of the friction hinge device.

Referring to the drawings, the lamp comprises a tube 1 providing a housing into which a conventional lamp socket 2 may be press fitted, said socket being adapted to receive a conventional incandescent lamp bulb 3. On one end of the tube 1 is mounted a conical reflector 4, and on the other end of the tube 1 is mounted a base 5, the tube 1, reflector 4 and base 5 forming a spool shaped assembly in which the reflector and base form the flanges and the tube forms the cylinder of a spool around which a considerable length of conductor wire 6 may be wound without exceeding the diameter of the reflector or base.

Pivottally mounted on the base 5 is a bracket 7 which serves the combined functions of a retaining member to hold the conductor wire 6 wound tightly around the spool when the lamp is not in use, and of an easel or support for holding the lamp in position to direct the beam of light in the desired direction when the lamp is in use. For the performance of the first function, the free end of the bracket is provided with a pair of lugs 8 which hook over the edge of the reflector and hold the bracket in position to secure the wound up conductor wire as shown in Figure 1. For the performance of the second function, the bracket is provided with a friction

2

hinge 9 which holds it in any desired position of adjustment, as illustrated in Figure 2, for example. In the preferred embodiment illustrated, friction is provided by a spring member 10 mounted on the under side of the base, said member having lugs 10' projecting through apertures in the base to engage the hinged end of the bracket, but other forms of friction hinges will occur to those skilled in the art.

In Figure 2 the lamp is illustrated as it would appear when resting on a surface and adjusted to direct the beam of light slightly upwardly, but in many cases it may be desirable to hang the lamp from a suitable support. In such cases the lugs 8 may be useful to engage a ledge or wire, for example, but in other cases the aperture 11 may be used to engage a projecting support such as a nail or a hook. In either case, the friction hinge may be used to hold the lamp in the desired position of adjustment with respect to its support.

As illustrated, the conductor wires are provided with spring clips 12 through which the lamp may be connected to a suitable source of electric current, as for example to the terminals of an automobile battery, or to any other points where a circuit to the battery may be completed. If desired, however, one of the clips may be replaced by a plug adapted to fit into a lamp socket or a cigarette lighter socket.

It will be understood that the invention may be variously modified and embodied within the scope of the subjoined claims.

I claim as my invention:

1. A portable lamp comprising a tube, a reflector connected to one end of said tube, a base connected to the other end of said tube, said reflector and base being of larger diameter than said tube and projecting outwardly therefrom to form a spool shaped assembly in which the reflector and base form the flanges of a spool around which conductor wire may be wound, and a bracket hingedly mounted on said base near the rim thereof and having a free end engaging the rim of said reflector and spanning the space from the rim of the base to the rim of the reflector to retain the conductor wire wound on the spool.

2. A portable lamp comprising a tube, a reflector connected to one end of said tube, a base connected to the other end of said tube, said reflector and base being of larger diameter than said tube and projecting outwardly therefrom to form a spool shaped assembly in which the reflector and base form the flanges of a spool

around which conductor wire may be wound, and a bracket hingedly mounted on said base near the rim thereof and having a free end engaging the rim of said reflector and spanning the space from the rim of the base to the rim of the reflector to retain the conductor wire wound on the spool, said hinged mounting including a friction member adapted to hold said bracket in any desired position of adjustment.

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