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HANDLE LIGHT

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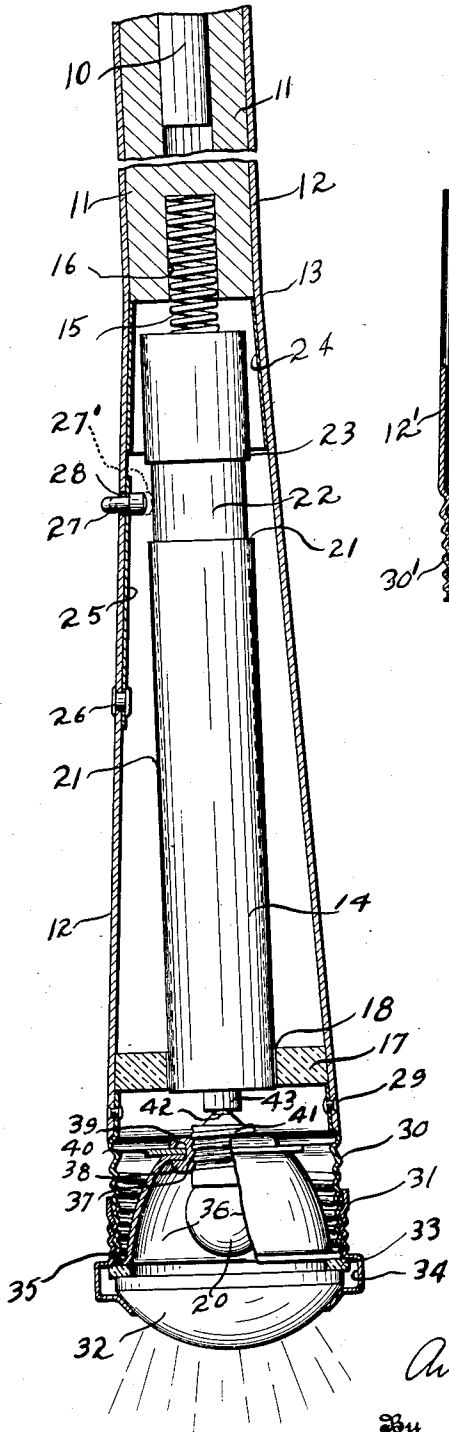


Fig. 2.

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HANDLE LIGHT

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This invention relates to a flashlight and has for an object to provide an improved light of simplified construction.

A further object of this invention is to provide a light adapted to serve as a handle for an umbrella, cane, fishing rod or the like, and which may be formed as an integral part of the umbrella, cane, fishing rod or the like.

Another object of this invention is to so combine a flashlight with an umbrella or cane that it may be used at the same time to serve especially as a means for protecting the pedestrian while walking on dark or unlighted highways and thus make the pedestrian visible to automobilists that they may avoid striking him, as well as to serve as a means for lighting the way for the user.

With the foregoing and other objects in view, this invention comprises the following arrangements, construction and combinations hereinafter set forth, disclosed and claimed in the following specification taken in consideration with the accompanying drawings.

In the drawings:

Fig. 1 shows a sectionalized view of one embodiment of this invention serving as an umbrella handle and

Fig. 2 shows another embodiment of the casing using this invention.

There is shown at 10 the stem or stick of an umbrella which projects into an aperture in a piece of wood or insulating block 11. Enclosing the block 11 is a metallic casing 12 which may be tapered therefrom as at 13 to form a handle for the umbrella and a hollow shell to receive the battery 14 of the flashlight. The casing need not be tapered as it may be straight if preferred. The battery 14 rests against a spring 15 which is received in a socket 16 in block 11 and projects therefrom into the casing 12. An insulating disk 17 of fibre or other suitable material having an aperture 18 centrally therethrough is placed in casing 12 adjacent its widened end and serves to space the end of the battery from the casing and in cooperation with spring 15 to hold it properly positioned for contact with the lamp 20. This battery 14 has the usual insulating paper shell 21 thereon, and this shell 21 is partially removed therefrom

so as to leave a bared or uninsulated portion 22 and a separate insulating shell 23 on the end thereof. An insulating paper lining 24 may also be placed in the casing 12 adjacent this inner end.

A switch is placed in casing 12 and comprises a leaf spring 25 riveted to the casing at 26 and a thumb contact element 27 projecting through an aperture 28 so that it may be pressed against the bared portion 22 of battery 14 as at 27' and close the circuit. By this arrangement, the switch and contact 27 are grounded on the casing.

Riveted to the widened end of the casing 12 at 29 is a threaded metallic cylinder 30 onto which may be threaded a cap 31 in which a lens 32 is held in place by a washer 33 in the recess 34 therein. This washer 33 also serves to press the flange 35 of a metallic reflector 36 against the end of cylinder 30 so as to make a good electrical connection therewith when the cap 31 is screwed into place. The inner end of the reflector is apertured to receive a threaded socket 37 which is turned over or riveted thereto as at 38 and at 39, and a reinforcing washer 40 is secured thereby. This socket 37 serves to receive the threaded outer contact 41 of lamp 20 there-through and to hold the other or central contact 42 against the central contact 43 of battery 14. As will be apparent, the spring 15 will yield as the assembled reflector 36 and lamp 20 is secured in place by cap 31 and will hold battery 14 pressed firmly yet yieldingly against the central lamp contact 42.

To operate the lamp it is only necessary to press the finger or thumb against the contact 27 to move it to 27' and thus complete the circuit through the battery, lamp and reflector. Other types of operating means for the switch may be used such as the sliding button common on flash lights.

Due to the simple construction and convenient positioning of the switch, it is possible to carry the opened umbrella in one hand and to operate the light with the same hand when necessary, as to see a puddle or obstruction in the highway or to make the user or pedestrian visible to an approaching automobilist.

In Fig. 2 the casing 12' has a threaded cylinder 30' integrally formed on the widened end thereof instead of being riveted thereto as in Fig. 1 and the rest of the construction and operation is identical with that of Fig. 1.

Having thus set forth the nature of my invention, what I claim is:

1. A handle light comprising in combination an open casing, a metallic cylinder secured in the end of said casing, a lamp in said cylinder grounded to said casing, an insulating disc in said casing and held therein by said cylinder, said disc having an aperture therethrough to receive and position a battery, an insulating block in the other end of said casing, yielding means in said block holding the battery in contact with said lamp and a switch secured to said casing adapted to be pressed against an uninsulated portion of the battery to light the lamp.

2. An umbrella handle comprising an insulating block affixed to the end of the umbrella stick, a metallic casing affixed on said block and having one end closed by said block, a yielding means received in a socket in said block and projecting into said casing, said casing tapering from said block toward an open end, a rigid insulating apertured disc affixed in said casing adjacent its outer open end and having its edges tapered complementary to the taper of the casing, a spring switch secured to said casing having a thumb contact element projecting therethrough, a battery in said casing extending through said disc and resting on said yielding means having a bared portion adjacent the contact element, a reflector secured to and grounded on the outer end of said casing, and a lamp socket in said reflector adapted to hold a lamp in contact with the battery.

In testimony whereof I affix my signature.

ANDREW J. LUCHANSKY.

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