

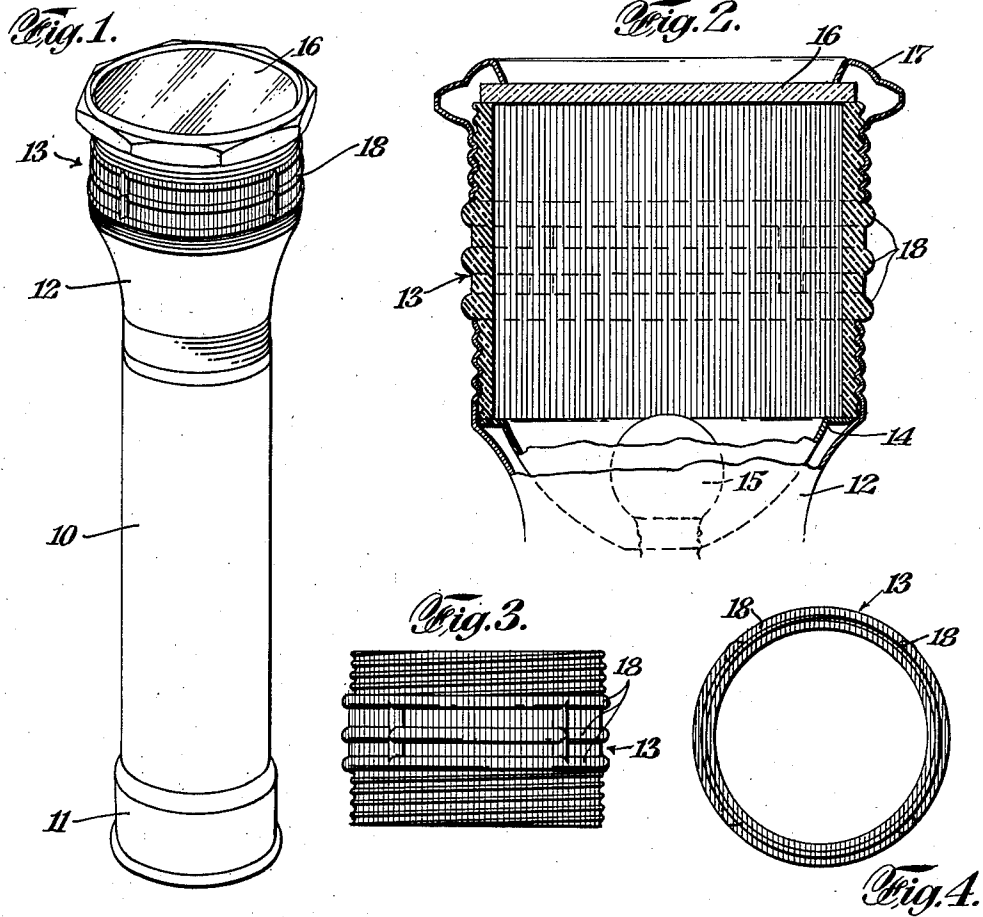
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FLASHLIGHT

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FLASHLIGHT

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3 Claims. (Cl. 240—10.6)

This invention relates to flashlights and has for an object a flashlight having provision for transmitting either white or colored light radially of its casing.

5 According to this invention, a translucent member is incorporated in the flashlight head in such manner that it is illuminated by light from the bulb. Preferably, this translucent member is composed of thermoplastic material such as cellulose acetate, but may be composed of any other translucent material suitable for the purpose. 10 The translucent member may be colored so that colored light is transmitted or may be of such composition that it transmits white light.

15 Other objects, novel features and advantages of this invention will become apparent from the following specification and accompanying drawing, wherein:

Fig. 1 is a perspective view of a flashlight embodying one modification of the invention;

20 Fig. 2 is a fragmentary longitudinal section of the embodiment of Fig. 1;

Fig. 3 is a side elevation of the translucent member of Fig. 1; and

25 Fig. 4 is an end view of said member.

In the flashlight structure illustrated in the drawing, 10 designates the usual tube of a flashlight to one end of which is threaded the base cap 11. To the other end of the tube 10 is threaded a flared head 12 provided at its outer end with screw threads. A cylinder 13 of translucent or transparent material is threaded at each end and one end is screwed into the threads in the head 12. A reflector 14 is arranged within the head 12 and is held in assembled relation thereto by the member 13. Also, a bulb 15 suitably supported by means (not shown) is arranged within the reflector. A transparent lens 16 of glass or other suitable material rests on the end of the cylinder 13 and is held in place by a ring 17 which is threaded on to the cylinder 13.

The cylindrical member 13 preferably is composed of cellulose acetate and is produced by a molding operation during which the threads are formed in its ends. This member, however, may be composed of any other transparent or translucent material suitable for the purpose such, for example, as glass. Preferably, the translucent member is red in color so that it transmits red 50 light, although the member may be made of any other color, including white. Also, the cylindrical member preferably is provided with circular ribs 18, although if desired, the outer surface of the cylindrical member may be smooth.

An advantage of the flashlight structure above described resides in the fact that the lens ring is electrically insulated from the main body of the casing, thus avoiding the possibility of a person holding the flashlight receiving a shock in the event that the lens ring contacts a live wire and also avoiding the possibility of short-circuiting a piece of electrical apparatus by contact of the opposite terminals of such apparatus by the lens ring and casing body. Tests have proven that the Lumarith ring of the flashlight will withstand several thousand volts without becoming conductive.

15 It is of course understood that various modifications may be made in the flashlight structure above described, without in any way departing from the spirit of the invention as defined in the appended claims.

20 I claim:

1. A flashlight comprising a casing having at one end an interiorly threaded recess of larger diameter than the remainder of the casing, a reflector having its rim engaging the base of said 25 recess, a light-transmitting member threaded at one end to be received in said recess and lock said reflector in place, a lens resting on the opposite end of said member, and a ring having screw-threaded engagement with said light-transmitting member for locking said lens in place. 30

2. A flashlight comprising a casing threaded at one end, a cylindrical light transmitting member threaded at each end and having the threads at one end engaging the casing threads, a lens closing 35 the opposite end of said member, a lens ring having screw-threaded engagement with said cylindrical member for locking said lens in place, and a lamp and reflector assembly supported by said casing adjacent said cylindrical member. 40

3. A flashlight comprising a tubular casing, a light transmitting ring at one end of said casing, a lens closing said ring, a member holding said lens in place, said casing and ring being formed with integral means inter-engaging each other to detachably connect said casing and ring together 45 and said ring and member being formed with integral means inter-engaging each other to detachably connect said ring and member together, and a lamp and reflector assembly supported by said casing adjacent said cylindrical member. 50

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