April 15, 1930. J. P. PICKETT 1,754,570

FLASH LIGHT

Filed Feb. 19, 1929

Fig. 1.

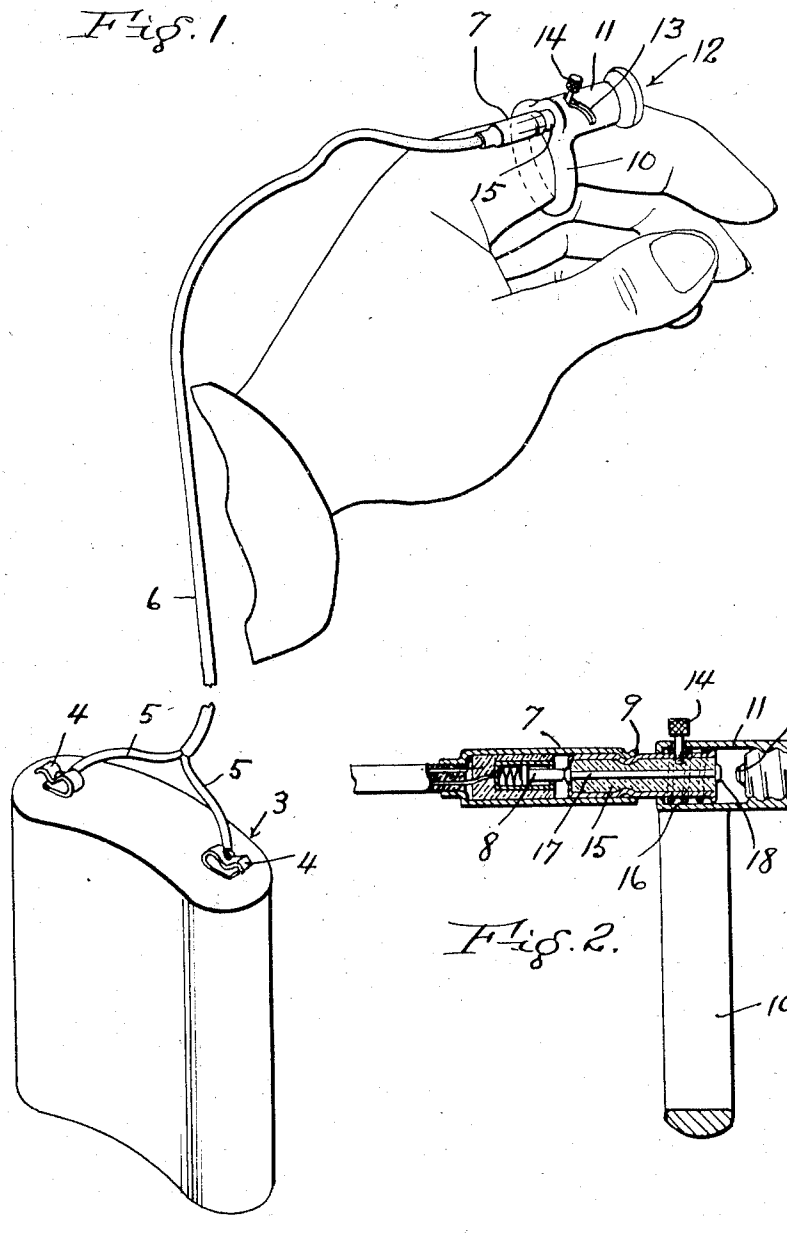


Fig. 2.

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FLASH LIGHT

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This invention relates to an improved flashlight, and it has more particular reference to a structure of this class which is characterized principally by a ring which is adapted to embrace the finger and which is constructed with means for mounting of the bulb and attachment of the current supply cord.

Briefly stated the invention comprises a finger ring provided with a socket for the bulb, a portable battery to be carried on the person, a flexible current supply cable attached to the battery and provided on its opposite end with a terminal socket, and a novel slip joint connection between the sockets and the finger ring socket.

My principal aim is to generally improve upon inventions of this particular classification by providing an article which is characterized by greater compactness, convenience and simplicity in construction and arrangement and whch may be comfortably attached to the finger in a position where it may be conveniently and expeditiously used while allowing full freedom of use of the hand on which the light is mounted.

Other features and advantages will become more readily apparent from the following description and drawings.

In the drawings:

Figure 1 is a perspective view showing the complete appliance and the manner in which it is worn.

Figure 2 is a sectional view showing certain of the details on an enlarged scale to bring out the relationship.

In the drawings, the reference character 3 designates a portable dry cell battery provided with customary terminals 4. This battery is of a size and shape to permit it to be conveniently carried in one pocket. The terminals 5 on one end of the cable 6 are connected with the complemental battery terminal. On the opposite end of the cable, as seen more clearly in Figure 2 is a terminal socket 7 which includes the spring pressed contact element 8. This socket terminates in a suitably bent retaining annulus 9.

The flash light per se comprises a finger ring 10. This embraces the inner joint of the index finger as shown in Figure 1. At the top it is provided with an integral outstanding socket 11 constructed for removable mounting of a suitable miniature electric light bulb 12. This socket is formed with a cam slot 13 as seen in Figure 1. A knob equipped pin 14 has its shank portion extending through and operable in this slot. The shank of the pin is attached to a longitudinally slidable core member 15 mounted for telescoping movement in the socket 11. A coiled spring 16 is associated therewith to normally retain the switch pin 14 in circuit open position. This core member comprises a cylindrical shell having a body of insulation operating as a filler and provided with an electrode 17 for cooperation with the spring pressed contact 8. This core member as a whole is adapted to be slipped telescopically into the socket 7 with the contact and electrode engaged to render the structure ready for use.

Normally, the ends 18 of the electrode are disengaged or spaced from the central contact 19 on the bulb 12. However, by grasping the knob on the switch pin 14 and pulling the knob over in the cam slot 13 it is obvious that sliding motion of the core member is produced, whereby to engage the electrode 18 with the contact 19 and to illuminate the bulb 12. The gist of the invention is obviously in the production of a finger ring for carrying the bulb and current controlling means together with a portable battery and a suitable flexible conductor between the battery and the flash light per se.

The uses and adaptability of an appliance of this class are innumerable. It is particularly useful by physicians. It is equally well usable by automobile mechanics, by policemen, detectives, and in fact all classes and trades. The important fact to be borne in mind is that the structure is of a miniature size and yet permits the utilization of a comparatively powerful bulb. The fact that the structure may be worn on the finger of one hand permits the user to have freedom of use of both hands for accomplishing any other task that would be difficult of accomplishment when using the ordinary type of flashlight. It is thought however that the

uses, advantages and features of the invention will be quite clear to persons skilled in the art to which the invention relates. Therefore, a more lengthy description is regarded unnecessary.

Minor changes in shape, size, materials and rearrangement of details coming within the field of invention claimed may be resorted to in actual practice if desired.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent is:—

1. A portable flashlight of the character described comprising a finger ring having an integral socket member formed on one side thereof and projecting forwardly therefrom and having an internally threaded end portion, a light bulb detachably mounted in the threaded end portion of the socket member and a manually operable spring controlled electric contact member disposed for sliding movement through the opposite end of the socket member for engagement with the contact of the light bulb for illuminating the same.

2. A portable flashlight of the character described comprising a finger ring having an integral socket member formed on one side thereof and projecting forwardly therefrom and having an internally threaded forward end portion, said socket member being further provided with a circumferentially and longitudinally extending cam slot, said socket member open at its opposite end, a light bulb detachably mounted in the threaded end portion of the socket member, a manually operable spring controlled electric contact member disposed for rotary and longitudinal sliding movement through the opposite end of the socket member for engagement with the contact of the light bulb at its inner end and having its opposite end projecting rearwardly from the socket member, means on the rearwardly protruding portion of the slidable contact member for detachably connecting a current conducting wire thereto and an operating pin anchored in the slidable contact member and extending laterally therefrom through the slot in the socket member.

In testimony whereof I affix my signature.

JOHN P. PICKETT.