April 7, 1925. 1,532,493

W. E. IVIE

SIGNAL LIGHT

Filed July 27, 1921

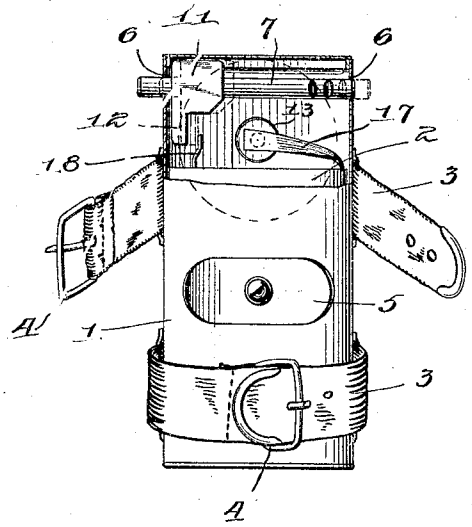


Fig. 1.

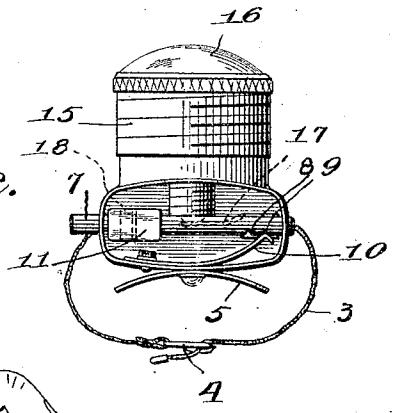


Fig. 2.

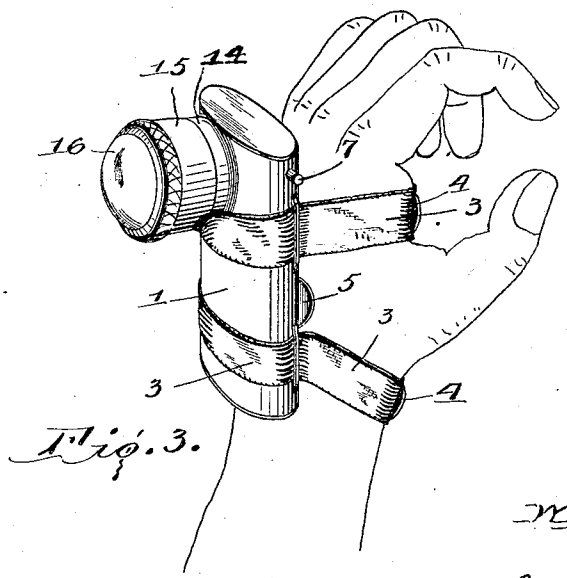


Fig. 3.

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UNITED STATES PATENT OFFICE.

WILL E. IVIE, OF WASHINGTON, DISTRICT OF COLUMBIA.

SIGNAL LIGHT.

Application filed July 27, 1921. Serial No. 487,285.

To all whom it may concern:

Be it known that I, WILL E. IVIE, a citizen of the United States, and resident of Washington, District of Columbia, have invented certain new and useful Improvements in Signal Lights, of which the following is a full, clear, and exact description.

My invention relates to a hand signal light and has for its object to provide such a device which may be attached to the back of the hand of the operator of an automobile or other vehicle, so that when the hand is extended in the usual manner to indicate turning or stopping, the signal may be seen at night.

A further object of the invention is to provide such a device with a switch of such construction that the same may be opened and closed by the movement of the hand in the act of signalling.

Another object of the invention is to provide such a signal which is extremely simple in construction and operation and one which will use the standard battery now on the market.

Other objects and advantages of the invention will be apparent from the following description when taken in connection with the accompanying drawing, in which:

Figure 1 is a rear view of the signal, parts being shown in section.

Figure 2 is a plan view of the signal with the lid removed, and

Figure 3 is a perspective view of the signal in use.

Referring to the drawing more in detail, the numeral 1 designates a casing for the reception of a dry cell or battery 2. The casing 1 has attached thereto one or more straps, 3, elastic or otherwise, provided with buckles 4. The side of the casing which is to be placed next to the hand is also provided with a clip 5 which, when the signal is in use, will prevent the same from rocking on the back of the hand.

The sides of the casing at one end are provided with openings 6, in which is mounted for reciprocation transversely to and in a plane parallel to the hand, the rod 7. This rod is formed with two notches 8 which are alternately engaged by the edge 9 of the leaf spring 10. Rigidly mounted on the rod 7 is a weight 11 which is formed with the integral, downwardly extending contact 12.

The front face of the casing 1 is provided with an opening 13 for the reception of the base of the bulb and reflector. Surrounding this opening is a screw-threaded sleeve 14 adapted to receive the screw-threaded ring 15 and colored lens 16.

The entire arrangement of the device is adapted for the standard battery 2 which is provided with the terminals 17 and 18, one of which is engaged by the base of the lamp and the other by the sliding contact 12.

In operation the signal device is strapped to the hand of the driver of the automobile, and as shown in Figure 3 of the drawing, will interfere in no way with the operation of the automobile. When the hand is swung out to indicate turning or stopping of the vehicle, the inertia of the weight 11 will cause the contact 12 to engage the contact 18 and thereby close the circuit through the bulb. A movement of the hand in the opposite direction will break the circuit in the same manner. The contact 12 is releasably held in the position to which it is last moved by means of the spring 10 and notches 8.

The device may also be used in repair work and when so used a clear glass lens will be substituted for the colored lens above described.

In accordance with the patent statutes I have described what I now believe to be the best embodiment of the invention, but I do not wish to be understood thereby as limiting myself or the scope of the invention, as many changes and modifications may be made without departing from the spirit of the invention, all such I aim to include in the scope of the appended claims.

What I claim as new and desire to secure by Letters Patent is:

1. A signal including a casing and means for attaching the same to the hand, a battery in said casing, an electric lamp engaging one terminal of the battery, an inertia controlled rod, means for mounting said inertia controlled rod in the casing to permit sliding movement thereof transversely to the hand, a weighted member carried by the rod, a contact carried by the rod and adapted to engage the other terminal of the battery, and means for holding said rod in either of two positions, said means being releasable through the inertia of the rod and weighted member.

2. A signal including a casing and means for attaching the same to the hand, a battery in said casing, an electric lamp engaging

one terminal of the battery, an inertia controlled rod, means for mounting said inertia controlled rod in the casing to permit sliding movement thereof transversely to the hand, a weighted member carried by the rod, a contact carried by the rod and adapted to engage the other terminal of the battery, said rod provided with notches, a spring adapted to engage said notches and hold the rod in either of two positions, said spring being releasable through the inertia of the rod and weighted member.

3. A signal including a casing and means for attaching the same to the hand, a battery in said casing, an electric lamp engaging one terminal of the battery, an inertia controlled rod, means for mounting said inertia controlled rod in the casing to permit sliding movement thereof transversely to the hand, a weighted member carried by the rod, a contact carried by the weighted member and adapted to engage the other terminal of the battery, said rod provided with notches, a spring adapted to engage said notches and hold the rod in either of two positions, said spring being releasable through the inertia of the rod and weighted member.

WILL E. IVIE.