C. HEIDEMANN.

SIGNALING DEVICE.

APPLICATION FILED OCT. 7, 1914.

1,173,269. Patented Feb. 29, 1916.

Fig. 1.

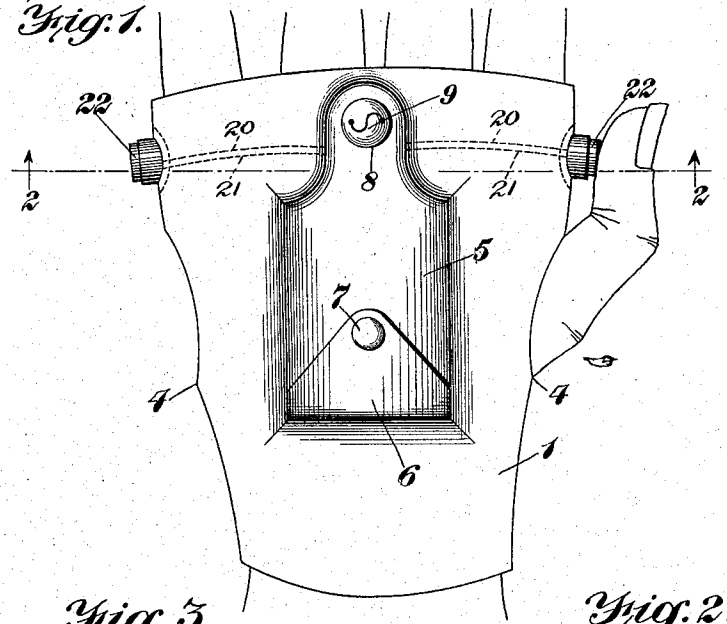


Fig. 3.

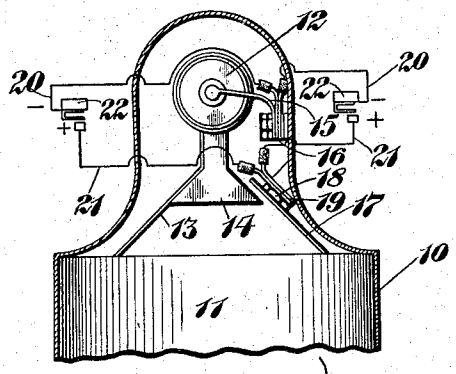


Fig. 2.

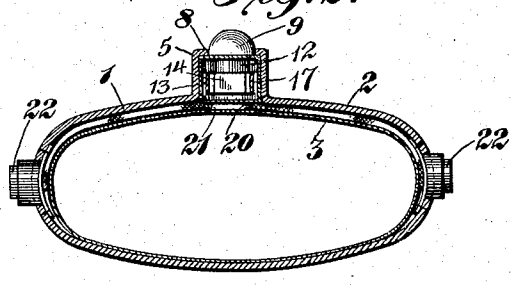
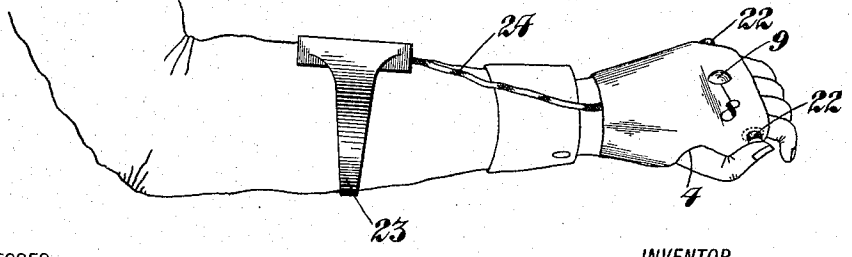


Fig. 4.



WITNESSES:

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SIGNALING DEVICE.

1,173,269. Specification of Letters Patent. Patented Feb. 29, 1916.

Application filed October 7, 1914. Serial No. 865,414.

To all whom it may concern:

Be it known that I, CHRISTIAN HEIDEMANN, a citizen of the United States, residing at the city of St. Louis and State of Missouri, have invented a new and useful Signaling Device, of which the following is a specification.

This invention relates to improvements in signal devices and more particularly devices adapted to be carried upon the hand for conveniently giving traffic signals in the operation of motor vehicles.

An object of the invention is to provide an illuminative signal perferably in the form of a small incandescent lamp carried in a support which is adapted to be secured upon the hand, and in which a push button or switch is mounted in a suitable position for conveniently controlling the supply of electrical energy required for the operation of the illuminative signal.

Another object of the invention is to provide an illuminative signal carried in a support which is interchangeable from one hand to the other, provided with means conveniently accessible for controlling the signal.

To these and other ends I have designed, combined and arranged the several parts in the manner and form hereinafter more fully disclosed, reference being made to the accompanying drawings in which—

Figure 1 is a plan view of the device of the present invention illustrating the manner of mounting the same upon the hand of the operator. Fig. 2 is a section taken substantially on the line 2—2 of Fig. 1. Fig. 3 is an enlarged detail section of the upper portion of the battery cell showing the rear of the incandescent lamp socket with the circuit terminals, the electrical wire connections being shown in diagram and Fig. 4 is a modified embodiment of the invention in which the cell for actuating the signal is carried remote from the signal support carried on the hand.

In the embodiment of the invention illustrated in Figs. 1 to 3, inclusive, I have shown the signal support in the form of a fingerless support 1 adapted to be secured to the hand and comprising an outer lining 2 and an inner lining 3 shaped to the contour of the hand and provided with thumb openings 4 on each side, so that the device is interchangeable from one hand to the other. Upon the back of the support is formed a pocket 5 having a movable flap 6 permitting access from one end of the pocket, said flap being conveniently secured in closed adjustment by a snap button 7 of known design. At the opposite end of the pocket an opening 8 is provided through which the incandescent lamp 9 projects.

The pocket 5 is adapted to receive a case 10 in which is mounted a dry battery cell 11. A small incandescent lamp socket 12 is supported in the upper part of the case. The outer walls of the socket constitute one of the contact members for the circuit through the lamp and is electrically connected with the battery by means of the spring plate 13 which is moved into contact with the outer walls of the socket and with the contact block 14 connected therewith when the battery cell 11 is moved into place. An electrical lead 15 terminating in the base of the socket provides the other contact point for the circuit through the lamp, the lead 15 being in electrical connection with a plurality of binding posts 16. A second contact plate 17 leading from the battery cell connects with a circuit terminal 18 secured in the case 10, said terminal being provided with a plurality of binding posts 19. The circuit between the binding posts 16 and 19 is completed by means of wires 20 and 21 leading to either side of the case and terminating respectively, in push buttons or switches 22. The push buttons 22 are mounted at either side of the support in a convenient position to be manipulated by the thumb of the operator. The one on the right being adjacent to the thumb when the support is on the left hand and the one on the left being adjacent to the thumb when the support is on the right hand. The push buttons 22. are so arranged that when in normal position the circuit is open, but require only slight pressure of the thumb to close the circuit and light the light.

The embodiment of the invention illustrated in Fig. 4 is modified in that the battery cell is supported remote from the support for the signal. In this embodiment the battery cell is carried by a clamp support 23 adapted to be secured upon the forearm of the operator and is connected to the lamp circuit by means of lead wires 24 incased in an insulating conduit. This arrangement presents a convenient manner of supporting the cell remote from the signal support, but

it will be understood that the cell may be located at any remote position and connected to the lamp circuit by lead wires.

From the foregoing it will be apparent that the device of the present invention provides simple and effective means for giving signals, which may be readily observed. When the signal is used by the operator of the motor vehicle it will be apparent that the signal may be displayed so that it may be seen from a vehicle approaching from the rear or by turning the hand it may be observed from the front of the vehicle, and that as the signal is carried upon the hand in a support in the form of a glove that the same may be utilized without interfering with the operation of the vehicle.

I am aware that various modifications may be made without departing from the spirit and scope of the invention. I do not wish to limit myself, therefore, to exact details.

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

1. A signal device, comprising a support adapted to be secured upon either hand and having oppositely disposed thumb spaces, an electric lamp supported by the back wall of said support intermediate of the thumb spaces, a normally open electric circuit for energizing said lamp, and means for closing said circuit.

2. A signal device, comprising a support adapted to be secured upon either hand and having oppositely disposed thumb spaces, means for binding the support upon either hand, an electric lamp secured to the back part of said support intermediate of the thumb spaces, a normally open electric circuit for energizing said lamp, a source of electrical energy communicating with said circuit, and means for closing said circuit.

3. A signal device comprising a support adapted to be secured upon the hand, a pocket on the back part of said support, a releasable closure for said pocket, a case removably carried within said pocket, a socket supported by said case, a lamp in said socket, a battery carried within said pocket, a normally open electric circuit communicating with said battery and with said lamp, and means carried by said support in position to be actuated by the thumb of the wearer for closing said circuit.

4. A signal device comprising a support adapted to be secured upon the hand, a pocket on the back part of said support, a case carried within said pocket, a socket supported by said case, an electric lamp in said socket, a battery within said pocket, means for holding said case and said battery in said pocket, a normally open electric circuit for energizing said lamp from said battery and comprising wires extending adjacent to the thumb of the wearer of said support, and means carried by said support in position to be actuated by the thumb of the wearer into communication with said wires for closing said circuit.

5. A signal device comprising a support adapted to be secured upon either hand and having oppositely disposed thumb spaces, an electric lamp supported by the back wall of said support intermediate of the thumb spaces, a battery, means for supporting said battery by said support, a normally open electric circuit for energizing said lamp from said battery, and means for closing said circuit.

6. A signal device comprising a support adapted to be secured upon either hand and having oppositely disposed thumb spaces, means for binding the support upon either hand, an electric lamp secured to the back part of said support intermediate of the thumb spaces, a normally open electric circuit for energizing said lamp, a source of electric energy, means for supporting said source of energy upon the wearer of said support in communication with said circuit, and means for closing said circuit.

In witness whereof, I have signed this specification in the presence of two subscribing witnesses.

CHRISTIAN HEIDEMANN

Witnesses:

L. C. KINGSLAND,

R. M. LAWRENCE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."