W. F. MOORE.

AUTOMOBILE SIGNAL.

APPLICATION FILED SEPT. 29, 1917.

1,283,262. Patented Oct. 29, 1918.

Fig. 1.

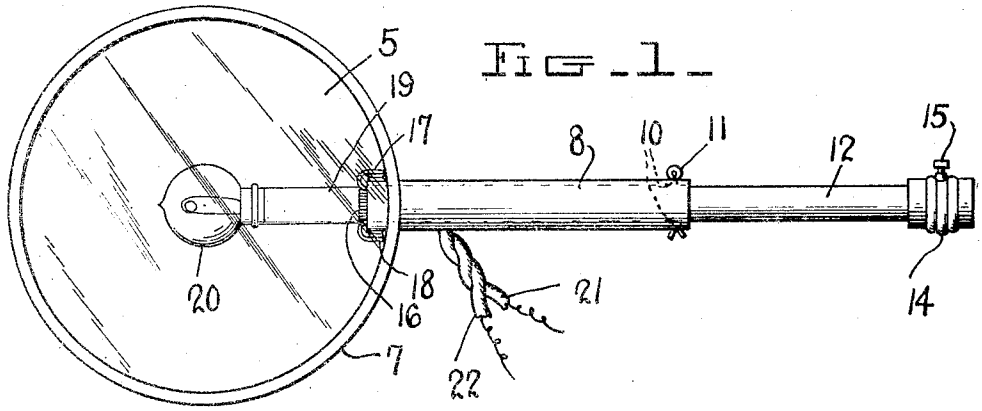


Fig. 2.

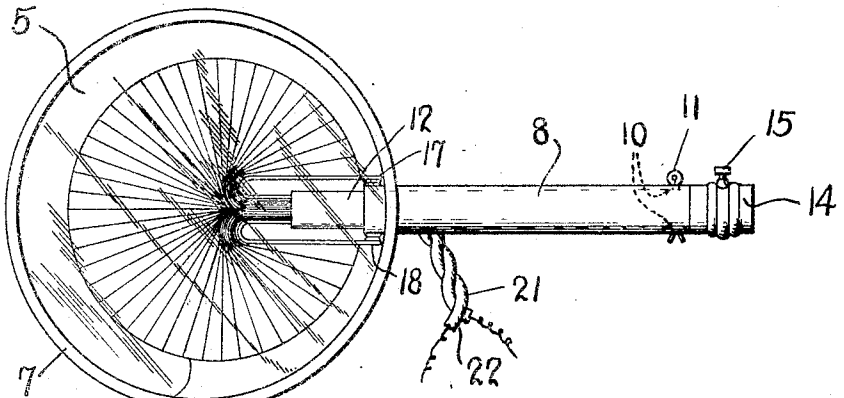
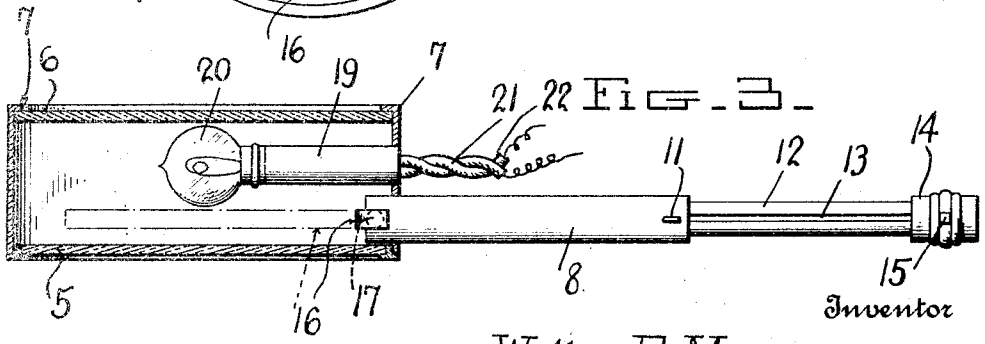


Fig. 3.



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AUTOMOBILE-SIGNAL.

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To all whom it may concern:

Be it known that I, WALTER F. MOORE, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented new and useful Improvements in Automobile-Signals, of which the following is a specification.

This invention belongs to that class of devices intended for use as indicators which are more particularly employed on vehicles to indicate that a change in direction of travel is intended.

The usual method of signaling such change is by extending the hand, which leaves but one hand for the control of the vehicle, and the time during which the hand is extended is very short. This method is hardly sufficient in conjested traffic to give a proper warning to following and approaching vehicles.

This invention has for one of its objects to provide a signal or indicator that may be displayed as long as may be desired and in such a manner that it will be readily seen.

Another object is to provide a signal or indicator that may be employed to give a proper warning to approaching or following vehicles, in either daylight or darkness and in such a manner as to be unmistakable.

A further object is to provide a signal or indicator that will be hidden or concealed until the time arrives for display so that confusion in reading the indicator may be avoided.

The invention broadly stated comprises a casing having transparent plates upon opposite sides, a tubular member passing through said casing extending inward a short distance and projecting outward, a second tubular member adapted to telescope within the first member, said tubular members being detachably secured together in such a manner that the second tubular member is limited in its movement. A foldable fan-like indicator carried by one of the tubular members and secured to each of the members in such a manner that when one of the tubes is telescoped within the other, said indicator will be extended and occupy the major portion of the space within the casing, and when said member is withdrawn from the other member the indicator will be concealed when retracted within the fixed tubular member, and an electric lamp secured to and within the casing.

One practical form of construction and assembly will be described and illustrated in the accompanying drawings, in which

Figure 1 is a front elevation with the daylight indicator in a non-signaling position.

Fig. 2 is a front elevation with the daylight indicator in signaling position.

Fig. 3 is a top plan view partly in section showing the detachable connection between the tubular members.

In the preferred embodiment about to be described the casing is provided with the transparent plates 5 and 6 that are mounted upon opposite sides of the ring-like frame 7. The plates 5 and 6 may be secured in the frame 7 in any workmanlike manner. At a convenient point in the ring 7 there is provided a suitable hole through which passes the tubular member 8. This tube 8 projects a short distance within the casing and between the transparent plates 5 and 6. The tube 8 may be provided with the transverse holes 9 formed in the portion that projects within the casing. The outer end of this tube 8 may be also provided with suitable holes 10 that pass through and may serve to hold the cotter pin 11 in position. The holes 10 may also serve to provide for adjustment.

The tubular member 12 is adapted to telescope within the tubular member 8. This member 12 is provided with elongated slots, one of which is indicated at 13. These slots are preferably provided with closed ends and the cotter pin 11 is adapted to pass through so as to limit the movement of the tubular member 12 with respect to the tubular member 8. The outer end of the tubular member 12 may be provided with a socket 14 through which passes transversely a set screw 15.

The tubular member 12 is preferably longer than the tubular member 8 and which carries at the end projecting within the casing a foldable fan-like indicator 16. The outer ends or edges of this indicator are secured to the member 8 adjacent its end as indicated at 17 and 18.

When it is desired to display the signal the tubular member 12 is pushed inward causing the indicator 16 to unfold and expand in such a manner that it will practically occupy the greater portion of the space within the casing, thus producing an unmistakable signal.

When it is desired to stop the showing of the signal the tubular member 12 is drawn upward which permits the indicator 16 to

fold and be retracted within the tubular member 8. The ring 7 may be provided with a socket 19 in which may be disposed the electric lamp 20. The lamp 20 may be connected with a suitable source of energy through the circuit wires 21 and 22. This will provide for night signal and the foldable fan-like indicator 16 will provide for the daylight signal.

It is proposed to have two of these signaling devices arranged near the front of the vehicle and upon each side so that they may be readily seen by both approaching and following vehicles. The devices may be secured to the vehicle in any usual or customary manner that will permit them to operate effectively at all times.

What I claim as new is:

A vehicle signaling device comprising a casing, a tubular member projecting from and opening within the casing, an operating rod mounted within the member and held from other than a sliding connection therewith, and a foldable indicator having relatively movable parts thereof connected to the member and to the rod, the movement of the rod in one direction folding the indicator within the member, and in the opposite direction expanding the indicator within the casing and beyond both the member and rod.

In testimony whereof I affix my signature.

WALTER F. MOORE.

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