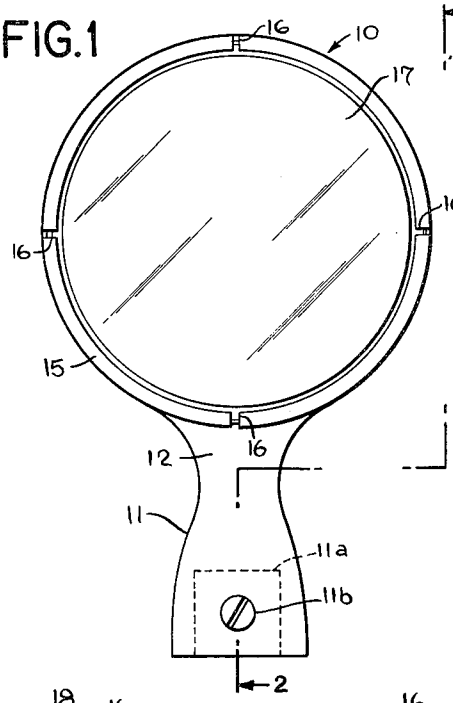
Oct. 24, 1961 F. REINHOLDT 3,005,381

SIGNAL DEVICE (MAGNETIC HANDLE)

Filed Oct. 18, 1957

FIG.1



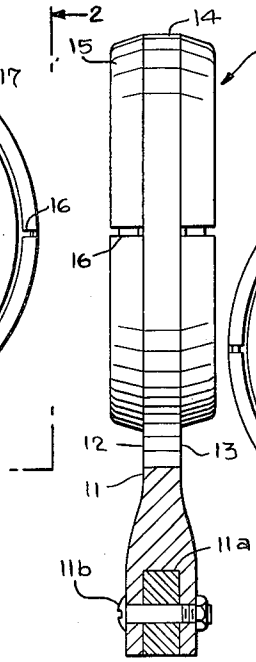




FIG.2

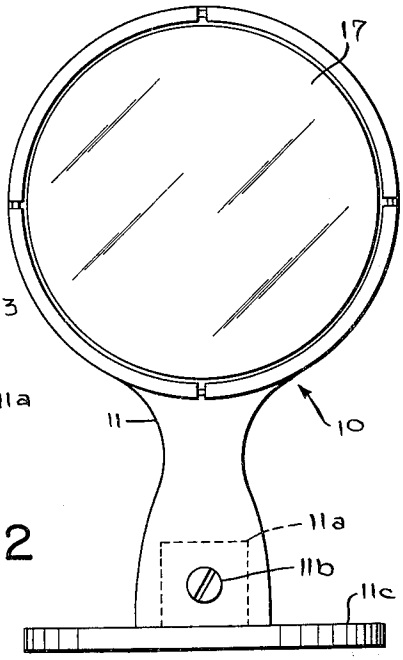



FIG.3

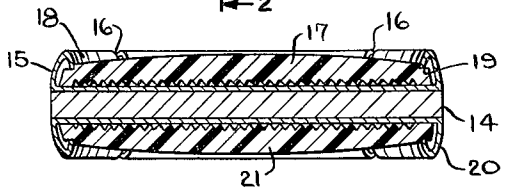



FIG.4

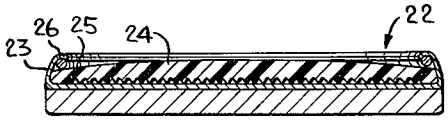



FIG.5

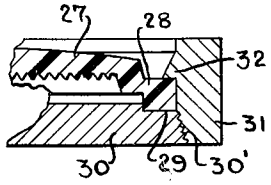



FIG.6

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United States Patent Office 3,005,381 Patented Oct. 24, 1961



3,005,381

# SIGNAL DEVICE (MAGNETIC HANDLE)

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Filed Oct. 18, 1957, Ser. No. 691,090
1 Claim. (Cl. 88—80)

This invention relates to an emergency warning device, and more particularly to a portable, magnetic warning reflecting device for use by car owners in vehicular traffic on cars, trains, or on the ground.

This is a continuation in part of my copending application Serial No. 652,885, now U.S. Patent No. 2,898,878 filed April 15, 1957.

In many instances where for example, motor traffic at night or in the dark, is congested or where there is a road accident it is difficult in many instances to give sufficient and timely warning to coming traffic of a tie up. The flashing of rear lights on a car for example is not sufficient and is wasteful because of undue strain on the car battery. Furthermore, oncoming motorists either do not see such warning lights or completely disregard such signals.

With the above in view, it is an object of the present invention to provide a hand or like operated luminous warning device whereby a danger, or caution signal is given to prevent accidents.

Another object of the present invention is to provide a portable, self-luminous magnetic signalling device which can be used at any time usually after dusk to ward off any possible accidents on the highways or in any other area where there is danger of collisions, or passing through areas that are marked as off limits for the protection or safety of people and/or a community.

Still another and more specific object of the present invention is to provide a self-luminous, instantaneously usuable, portable, magnetic, reflecting warning device which has a luminous handle of suitable size and shape and can be magnetically attached to the car or a metal support, and an extension therefrom which has one or both sides adapted to reflect light to act as a warning signal to oncoming, usually night motorists or drivers.

One further object of the present invention is to provide a portable, magnetic handle with reflecting means extending therefrom for use as a warning device.

Other objects and features of the present invention will become apparent from the following detailed description taken in conjunction with the accompanying drawing wherein:

FIG. 1 is a plan view of one embodiment of my invention;

FIG. 2 is a sectional view of the embodiment taken on line 2—2 of FIG. 1;

FIG. 3 is a side view of the metal member adapted to support the embodiment shown in FIGS. 1 and 2 in a perpendicular position.

FIG. 4 is a sectional view showing two reflector lenses combined together.

FIG. 5 is a sectional view of another embodiment of FIG. 3; and

FIG. 6 is a fragmental sectional view of still another embodiment of my invention.

Referring now to the drawings wherein like reference numerals, refer to like parts throughout, it will be noted that I provide a warning device **10** containing a handle **11** made of any suitable material such as of metal, wood, plastic and the like. One side **12** of said handle **11** is preferably colored red and is self-luminous by the use of red phosphorescent paint or the like so that when light shines on it, such side of the handle becomes luminescent and can be readily seen or noticed by anyone approaching



said device. The other side **13** of the handle is preferably of a luminescent green or amber color. In the lower or bottom portion of said handle **11**, there is housed a magnet **11***a* which is retained in said handle by holding means **11***b*. Said magnet is sufficiently powerful to hold said device in extended position when the device is attached to a metal body such as of a car or automobile.

There is provided a circular or disk like extending recessed or pocket portion **14** having on its side **16** extending from the central plane of the handle a peripheral outwardly extending flange or rim **15** containing at regular intervals a plurality of slits **16** so as to form sections or a split ring for snugly accommodating therein against the extension a red or warning reflector lens **17** of any suitable size, material shape and thickness.

It is to be noted that the lens **17** to be used may be of the same color as the side **11** of the handle. Said lens may be readily inserted by pressing the same against the upper, inner curved portion **18** of the flange **15**, which will yield or spread outwardly on pressure of the lens thereagainst and when the lens is set said sections of the flange will revert to their normal position. Furthermore, said lens has a peripheral inclined shoulder **19** for contacting said inner, curved portion **18** and forming a tight fit therewith to prevent removal of the lens once it has been set.

The other side **13** of the device is also provided with a recessed portion having an annular outwardly extending flange **20** forming a series of splits, which flange accommodates a reflector lens **21** whose color will match the color of the side **13** of the handle **12**. Said lens is of the same construction as lens **17**, and is set in the same manner as in lens **17**.

In FIG. 3 I show how the device is mounted or magnetically attached to a suitable metal base **11***c* which may be a metal plate resting on the ground or which may be eliminated and the device attached to the side of the body of the car.

In FIG. 4 it will be noted that the two lenses **17** and **21** are joined together against the backing **14***a* of the device **10***c*.

In FIG. 5 it will be noted that there is provided a signal or warning device **22** wherein the lens holder or flange **23** has upright walls and forms a housing or collar in which fits a reflector lens **24** of desired color and size. Such lens **24**, it will be noted, has a partially curved peripheral edge **25** for accommodating a split, tension ring **26** adapted to hold the lens **24** in position in the holder.

In FIG. 6 there is shown a fragmental sectional view of a reflector lens **27** having a downwardly extending peripheral portion **28** adapted to fit in a seat **29** of the disk portion **30** of the device. The disk portion has a conical shaped threaded portion **30'** for connection with a correspondingly threaded annular frame member **31** having an internal radially extending abutment **32** for contacting peripheral portion **28** and holding the lens in position.

Furthermore, it is to be noted that the upper portion or extending flange **15** or **20**, may have an internally disposed annular formation whereby the reflector means can be readily inserted into the holder without the same slipping out of said holder.

From the foregoing description taken in conjunction with the accompanying drawings it will be noted that I provide a manually operable, portable device for use as a warning signal and light reflector which can be used instantaneously in emergencies or by merely magnetically attaching the device to the side of the car or lying the device on a plate in the road as a warning to motorists on any other occasion. For example, in cases of slow downs, or engine failure or flat tires in the use of automobiles, it may be necessary to pull over to one side of the road. There are often times when it is impossible

because of obstructions to pull over or off of the driving pavement. Also, ditches and soft shoulders or steep banks or high curves afford no opportunity for the car to be pulled over to one side of the road. Under such conditions, it is necessary to use the hand signalling device made according to the present invention by warning oncoming traffic so as to prevent any accidents. In the meantime, a device of the type described herein can be readily taken from the car and used by one of the occupants to warn oncoming traffic thereby avoiding any accidents.

As shown in FIGS. 1 and 2, I also provide a device which is made into two equal halves which can be readily welded together forming a unitary whole.

Such device may be carried, inserted into the ground, if the driver is alone and has to make repairs, or leave the car to obtain help for repair of the car or to obtain gasoline. The device furthermore, may be attached to any object so as to make the same noticeable to oncoming traffic as a warning that there is danger ahead.

Furthermore, the device may have more than one reflector for all clear, caution or danger ahead signalling.

While preferred embodiments of the invention have been disclosed and illustrated it is to be understood that modifications as to form, arrangement of parts and use of materials may be made without departing from the scope and extent of the invention as claimed.

I claim:

A portable, luminous warning reflector device for use as a signal for automobiles and the like comprising a handle, magnetic means housed in one end of said handle, adapted to be attached to a receptive surface for holding the handle in any desired position thereon, a disk like extension terminating from the other end of the handle, said extension having at least one circular pocket on at least one side thereof, reflecting means for said pocket, said pocket having peripherally arranged, split, inwardly curved means for holding the reflecting means in position in the pocket, said split means being disposed in a plane adjacent the longitudinal plane of the extension, said split means furthermore being resilient and adapted to yield upon pressing said reflecting means against the inner periphery of the curved means, to permit the insertion of the reflecting means inside the peripherally arranged means against the pocket and permit the split means to resume their position after the reflecting means has been inserted into the pocket and pressure has been removed from the reflecting means, and fastening means extending through the handle and magnetic means for securing the magnetic means and the handle.




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