April 1, 1930. R. HOSKING 1,753,117

SIGNAL DEVICE

Filed Jan. 4, 1929

Fig. 1.

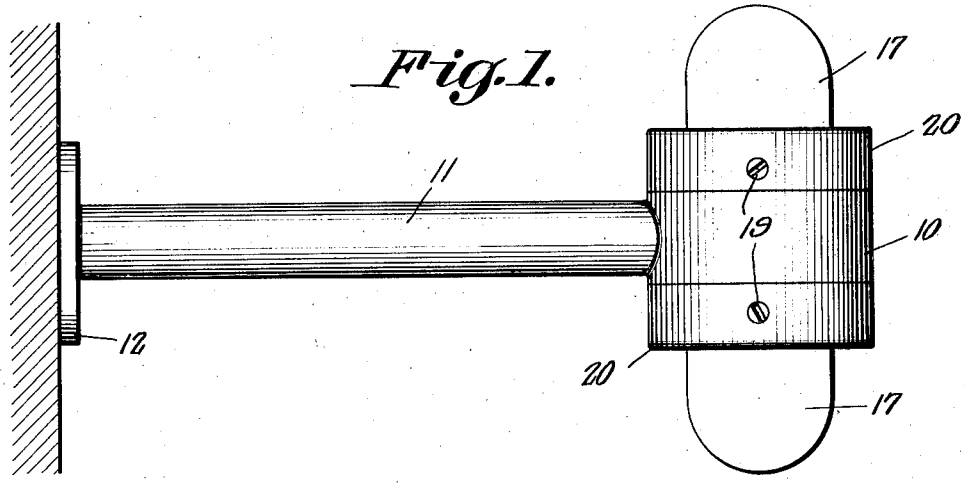


Fig. 2.

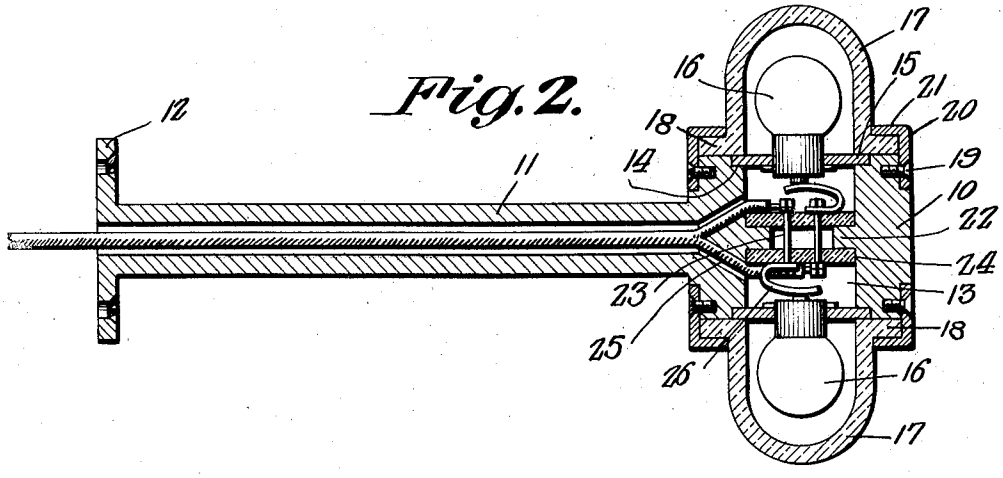
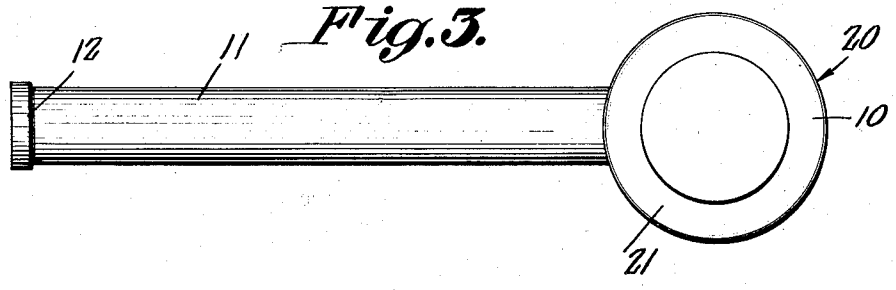


Fig. 3.



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UNITED STATES PATENT OFFICE

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SIGNAL DEVICE

Application filed January 4, 1929. Serial No. 330,247.

This invention relates to direction signals for vehicles, an object being to provide a signal device which may be attached to and extend outward from the side of an automobile or other vehicle in view of traffic in front of and behind the vehicle, and operated in such manner as to indicate the driver's intention to make a right or left turn.

Another object of the invention is the provision of a signal device of the above character having novel means for mounting the contacts and binding posts, and novel means for mounting and housing electric bulbs, the means referred to resulting in a signal device of simple construction which may be cheaply made and readily taken apart for cleaning or repair.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawing and pointed out in the appended claims.

In the drawing:—

Figure 1 is an elevation of the invention.

Figure 2 is a vertical longitudinal sectional view of the same.

Figure 3 is a plan view.

Referring to the drawing in detail wherein like characters of reference denote corresponding parts, the reference character 10 indicates the body of the signal which may be of any suitable size and shape and which is supported at the outer end of an arm 11. This arm carries at its inner end oppositely extending apertured lugs 12 to provide means whereby the signal device may be attached to a vehicle. It is preferred to attach the device to the left corner post at the front of the vehicle and immediately at the left of the driver, so that the signal device may be readily seen by traffic both at the front and rear of the vehicle, as well as by the driver so that the latter can tell whether or not the device is functioning properly.

The body 10 of the signal is shown as cylindrical and is provided with a central passage 13. This passage extends axially through the body and is provided at each end with a seat 14 which receives a plate 15. The plate 15 is provided with an opening to receive an electric bulb 16 so that a bulb may be positioned at each end of the body to extend outwardly therefrom. A globe 17 encloses each of the bulbs and the inner ends of these globes bear upon the plates 15. The globes 17 are also provided with outwardly extending annular flanges 18 which bear upon the outer ends of the body 10. Secured to each end of the body as shown at 19 are rings 20 and these rings are provided with inturned flanges 21 which engage over the flanges 18 of the globes and act to removably hold the globes in place.

The passage 13 is provided with an inwardly extending flange 22 and clamped upon opposite sides of this flange by means of screws or bolts 23 are insulated plates 24. The clamping screws or bolts 23 in addition to holding the plates 24 in position also serve as binding posts for conductor wires 25. In addition these screws or bolts 23 serve to secure spring contacts 26 to the plates 24 and the bulbs 16 are adapted to bear against these spring contacts.

Current may be supplied to the bulbs from a suitable source through the conductors 25 and the spring contacts 26 and the return of the current to the source of supply may be through the usual ground.

The device may be attached to the side of a vehicle in the position shown in Figure 1 and one of the globes 17 may be red and the other globe green. The bulbs 16 may be selectively illuminated by any preferred means and when the bulb within the red globe is illuminated it may indicate a left turn while the bulb which illuminates the green bulb may indicate a right turn, or vice versa.

It will be apparent from the foregoing description and accompanying drawing that the invention provides an exceedingly simple and efficient signal device for the purpose intended. By removing one or both of the retaining rings 20, one or both of the bulbs 16 may be readily replaced. The construction is such that the device may be cheaply constructed and readily assembled so that it may be offered for sale at a minimum cost.

The invention is susceptible of various changes in its form, proportion and minor

details of construction and the right is herein reserved to make such changes as properly fall within the scope of the appended claim.

Having described the invention what is claimed is:—

In a signal lamp, a body having an opening therethrough, means to mount the body, an electric bulb extending outwardly from the opening at each end of the body, a globe for the bulb, an annular rib extending within the body opening at right angles to the axis of said opening, insulated plates secured upon opposite sides of the rib, binding posts extending through the plates and providing securing means for said plates, a conductor wire secured to one end of each post, and a spring contact secured to the other end of each post for engagement by each of the bulbs.

In testimony whereof I affix my signature.

ROBERT HOSKING.