May 29, 1928. 1,671,472

J. T. GREEN

SIGNAL LAMP FOR VEHICLES

Filed Sept. 18, 1925 2 Sheets-Sheet 1

Fig. 1.

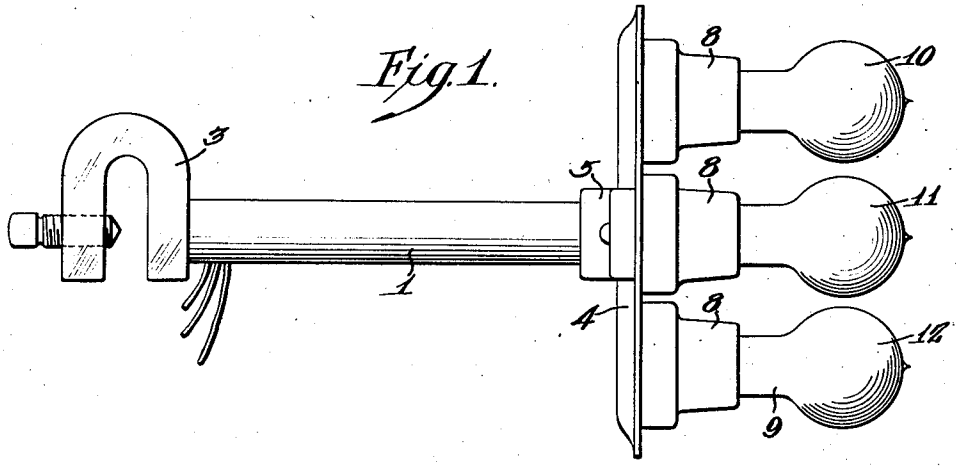


Fig. 2.

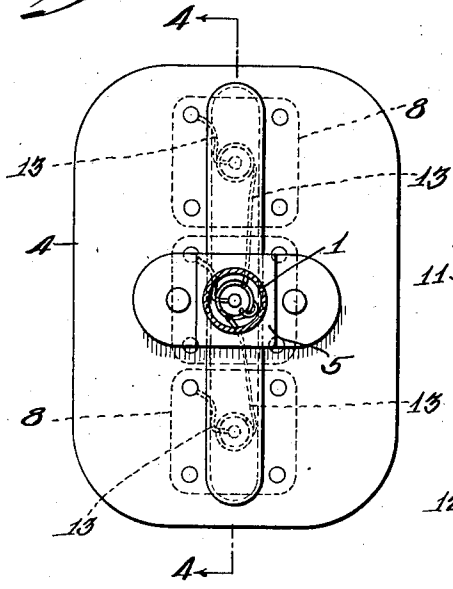
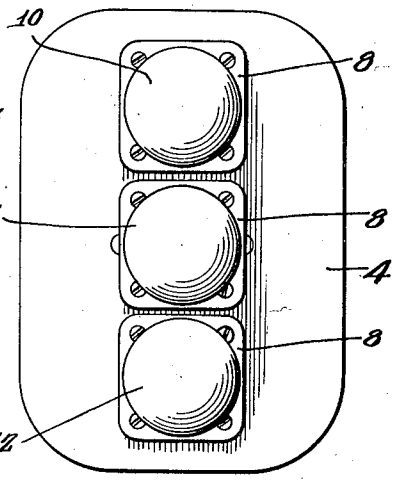


Fig. 3.



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Fig. 4.

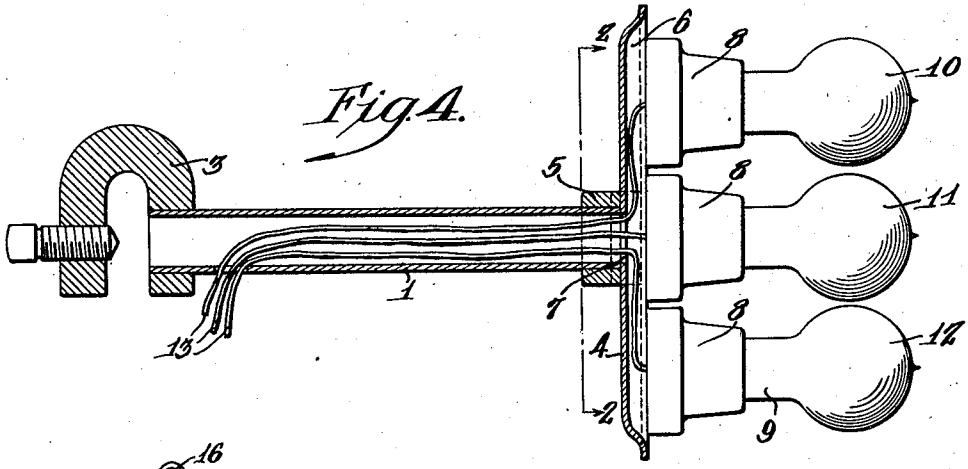


Fig. 5.

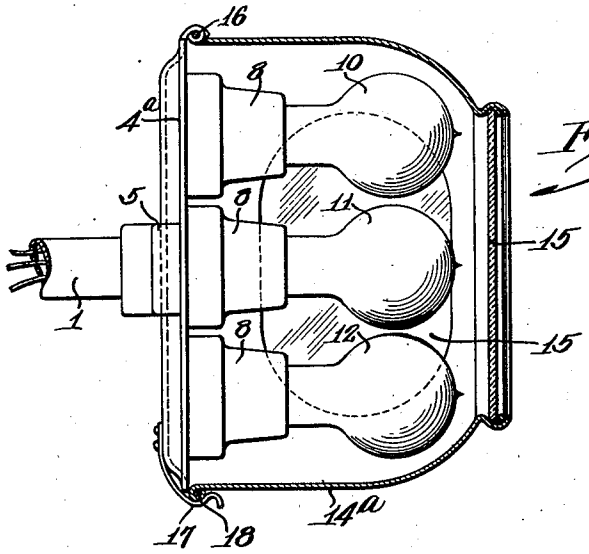
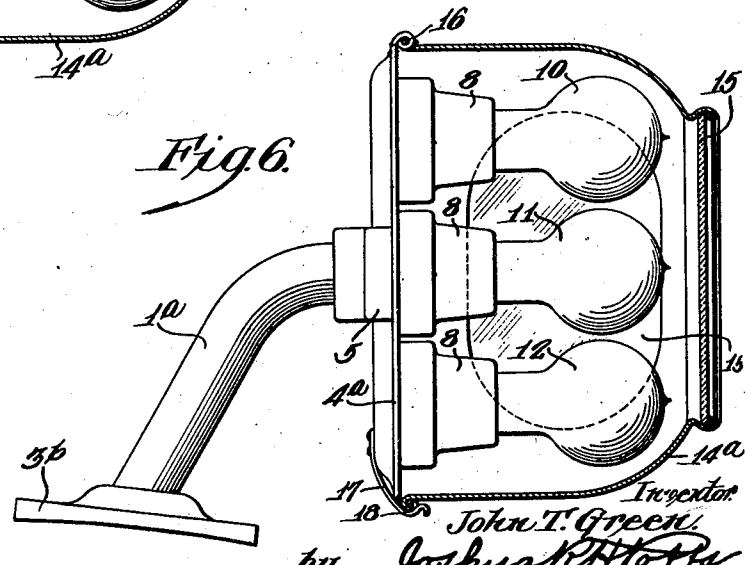


Fig. 6.



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UNITED STATES PATENT OFFICE.

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SIGNAL LAMP FOR VEHICLES.

Application filed September 18, 1925. Serial No. 57,098.

My invention relates to signal lamps for vehicles and more particularly to the lamps which are commonly termed stop lights for automobiles.

The objects of my invention are to provide a lamp of simple and rugged construction with which various signals may be given to the traffic approaching the vehicle from its front, rear or side, and which may be used with any type of automatic or hand-operated electrical signal-controlling device.

These objects and other advantageous ends which will be described hereinafter, I attain in the following manner, reference being had to the accompanying drawings in which

Figure 1 is a side elevation of a signal lamp made in accordance with my invention,

Figure 2 a rear view of the lamp shown in Figure 1,

Figure 3 a front view of said lamp,

Figure 4 a section on line 4—4 of Figure 2, certain of the parts being shown in full,

Figure 5 a fragmentary view similar to Figure 1 showing a casing attached to enclose the bulbs, and

Figure 6 a like view showing one of the many differently shaped supporting arms that may be used with the lamp.

Referring to the drawings and more particularly to Figures 1–4 inclusive, 1 indicates a supporting arm in the form of a tube having a member 3 at one end for fastening the arm to a vehicle and a plate 4 at the other end. Member 3 is shown in the form of an ordinary C-clamp but may be of other styles best adapted to the particular vehicle to which the arm is to be attached. Plate 4 is secured to the arm through the medium of a flanged bracket 5 which is threaded or shrunk onto the tube and riveted to the plate. Plate 4 is preferably stamped from sheet metal and has a vertical groove 6 depressed therein and a hole 7 in the groove which registers with the tube. Groove 6, hole 7 and the interior of the tube enclose the electric wires which lead to a vertical row of electrical sockets 8 secured to the plate across the groove. These sockets may be of any standard make. Bulbs 9 are mounted in the sockets and are of different colors. The upper bulb 10 may be either green or blue. The central bulb 11 may be yellow or white and the lower bulb 12 may be red. Electric wires 13 leading from the sockets through groove 6 and out of tube 1 are adapted to be connected to any suitable hand or automatically operated signal controlling device for illuminating the bulbs. Bulbs 10 and 11 may be illuminated for signalling that the vehicle will turn to the right or to the left, and bulb 12 may be illuminated for signalling that the vehicle will stop. The lamp is mounted on the vehicle in such manner that the signals may be seen from the front, rear and side of the vehicle.

In Figure 5, I have shown the signal lamp provided with a casing 14^a for enclosing the bulbs 10, 11 and 12. The light passing from the bulbs may be seen through the lenses 15 at the sides of the casing. The casing is fastened to the plate 4^a by a hinge 16 at its upper end and a spring clamp 17 at its lower end. The beaded edge 18 around the casing is gripped by clamp 17 and thus held to the plate. In all other respects the lamp is similar to the one shown in Figures 1–4 of the drawings and I have therefore given corresponding parts similar reference characters.

In Figure 6, I have shown the supporting arm 1^a of a bent form and provided with a flange member 3^b instead of the fastening member 3 in Figure 1. The shape of the supporting arm 1 and style of fastening member 3 may be varied to accommodate the different vehicles. This type of arm and fastening member is especially adapted for securing the lamp to the fender of an automobile. In all other respects the lamp is similar to the one shown in Figure 5 and I have therefore given corresponding parts similar reference characters.

When the lamp is in use and either of the bulbs 10, 11 or 12 is illuminated to give a signal, the signal may be seen from the front, rear and side of the vehicle, thus informing the traffic of the vehicle's course of travel. This tends to prevent accidents.

It will be seen that by providing the lamp with differently colored bulbs to give different signals, a simple lamp may be made which may be used without a casing, and if provided with a casing, requires but one compartment for all the bulbs.

While I have described my invention as taking a particular form, it will be understood that the various parts may be changed without departing from the spirit thereof,

and hence I do not limit myself to the precise construction set forth, but consider that I am at liberty to make such changes and alterations as fairly come within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A signal lamp for vehicles including a hollow supporting arm, fastening means on one end of the arm, a flat plate, means for securing it to the other end of the arm substantially perpendicular thereto having an indentation therein extending substantially the length of the plate, said indentation opening into said supporting arm, a vertical row of electrical sockets secured to the plate over said indentation, bulbs for displaying different signals mounted in the sockets, and electric wires, connected with and hidden behind the sockets, passing from the sockets through the indentation to the arm.

2. A signal lamp for vehicles including a tube, a clamp fastened to one end of the tube, a flanged bracket secured to the other end of the tube, a flat plate secured to the bracket having an indentation extending substantially the length of the plate, said indentation having an opening at the bracket communicating with the interior of the tube, a vertical row of sockets secured to the plate over and hiding said indentation, bulbs for displaying different signals mounted in the sockets, and electric wires connected to and hidden behind the sockets passing from the sockets through the indentation to the tube.

3. A signal lamp for vehicles including a tube; fastening means on one end of the tube; a flanged bracket having a bore securely fitting over the other end of the tube; a flat plate secured to the flanges of the bracket and having a vertical groove extending through the center substantially the length thereof and an opening in the groove communicating with the interior of the tube; a vertical row of sockets secured to the plate across and covering the groove; bulbs mounted in the sockets, electric wires connected to the sockets and passing in the groove and through the opening and the tube, said plate having one end formed to provide a socket for a hinged cover, and means on the opposite end for securing the cover in closed position.

In testimony whereof I have signed my name to this specification.

JOHN T. GREEN.