To all whom it may concern:

Be it known that we, ALBERT C. BRUNNWORTH and CLARENCE M. SACKETT, both citizens of the United States, residing at Anaheim, in the county of Orange, State of California, have invented new and useful Improvements in Traffic-Guide Signals, of which the following is a specification.

This invention relates to a traffic guide signal, and pertains especially to a bull's eye or button adapted to be installed at the center street intersections for indicating the turning points for vehicles.

Heretofore signals of this character have been installed at street intersections, consisting of buttons rounded and raised above the surface of the street. It has been common practice to color these buttons, preferably red, so that they are easily visible. It has been found, however, that the paint rapidly wears from the button, and it soon loses its distinctiveness, no longer being effective as a visible signal.

It is an object of our invention to provide a signal which is illuminated, and which will, therefore, be visible at all times. Whereas the unilluminated traffic signal buttons are not visible at night, our improved signal will be visible at that time as well as during the day.

We accomplish these objects by means of the embodiment of our invention illustrated in the accompanying drawing, in which:

Figure 1 is a plan view of a signal installed in the street.

Fig. 2 is a vertical cross section.

Fig. 3 is a plan view of a street intersection showing the location of a signal.

Referring particularly to Fig. 3, streets A and B intersect at right angles. In order to indicate where drivers of vehicles may turn so that they will not cut the corners, a signal button is installed at the center of the street intersection as indicated by C.

Referring particularly to Figs. 1 and 2, the street surface is indicated by 4. Embedded in the pavement is a receptacle of cup form, the lower portion 5 preferably being formed of concrete. The upper portion consists of a ring 6 mounted upon the top edge of the concrete cup. The ring is counterbored to form an annular groove 7 and is provided with threads. Disposed within the counterbore is a bull's eye 8, preferably formed of thick glass and colored to transmit red light.

Disposed over the upper surface of the bull's eye is a grating 9 consisting of a number of crossed bars forming a net work. The ends of these bars are bent at an angle to extend outwardly for the purpose of assisting in retaining the grating and bull's eye in position. A retaining ring 10 is disposed within the annular groove and over the outwardly bent ends of the grating bars. The ring 10 is engaged with the threads in the counterbore, and is provided with wrench holes 11, so that a spanner wrench may be engaged with the ring to remove and insert the same in position.

Extending through the bottom of the receptacle 5 is a conduit 12, which houses the electrical conductors 14; the latter being connected to a socket 15. A lamp 16 is shown in position in the socket. When the lamp is lighted the rays are projected through the bull's eye making the same visible.

The details of structure may be varied; thus ring 6 may be of some other material than metal, and the retaining ring 11 is not required to be threaded into place but may be secured in any other suitable manner. The exact details of structure shown herein are for the purpose of merely showing an operative structure. The grating serves to protect the bull's eye from injury due to wheels striking the same when drivers do not heed the signal or come in contact with it accidentally.

What we claim is:

An illuminated traffic guide, comprising an open ended receptacle adapted to be embedded in the earth, the inner peripheral edge of said receptacle being grooved for
the reception of a retaining ring, a retaining ring mounted in said groove, a substantially semi-spherical light transmitting element mounted in the groove of said receptacle and projecting thereabove, a latticed iron guard mounted on said light transmitting element, said retaining ring rigidly maintaining both the guard and light transmitting element in position, and an electric lamp mounted in said receptacle.

In witness that we claim the foregoing we have hereunto subscribed our names this 3rd day of April, 1917.

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