Aug. 9, 1932. J. S. GEORGE 1,870,994

STREET MARKER

Filed Dec. 12, 1928

Fig. 1

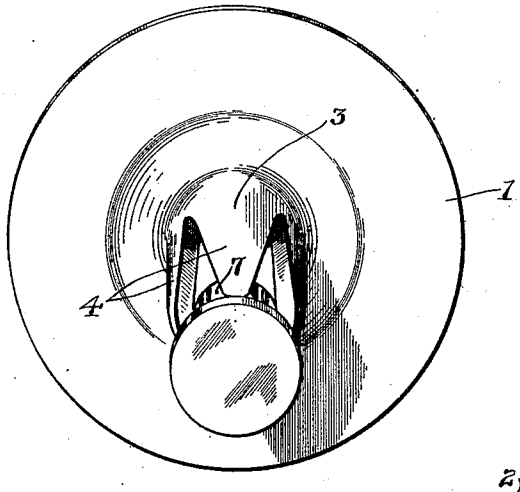


Fig. 2

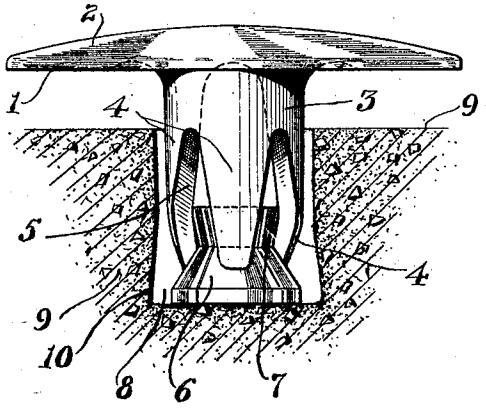
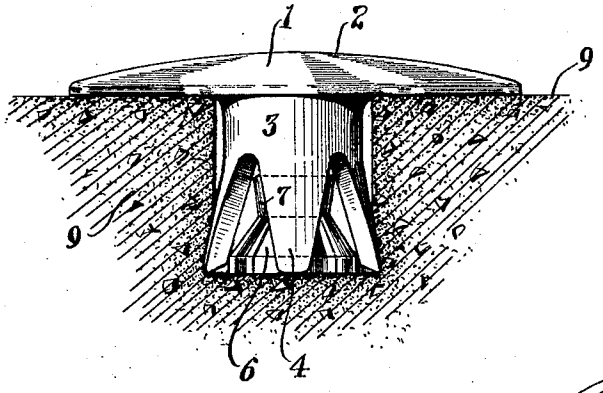


Fig. 3



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UNITED STATES PATENT OFFICE

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STREET MARKER

Application filed December 12, 1928. Serial No. 325,618.

This invention relates to certain improvements in street markers, that is, devices arranged to be embedded in the pavement of a street to provide indicating markers for the proper direction of traffic or other desired purposes.

It is the especial object of the present invention to provide a street marker having a head of substantial area which will project slightly above the pavement so as to be readily visible, in combination with a simple means for anchoring the marker in the pavement of the street in which it is to be used.

It is a further object of the invention to provide an anchoring means which may be associated with the marker for shipment ready for use and which may be caused to anchor the marker in position by pressure applied to the head of the marker, as, for instance, by a blow of a hammer or the like.

With these and other objects not specifically referred to, the invention consists in certain novel parts, arrangements and combinations which will be described in connection with the accompanying drawing and the novel features pointed out in the claims hereunto appended.

In the drawing—

Figure 1 is a perspective view of a marker shown with the anchoring means associated therewith.

Figure 2 is a side view of the marker and its anchoring means set in the street before the anchoring means have been spread to anchor the marker; and

Figure 3 is a view similar to Fig. 2, showing the marker and the anchoring means in final position.

Referring now to the drawing, a marker embodying the invention will include generally a head, a shank, and an anchoring member. The head of the marker may, of course, have various shapes. In the particular marker shown, the head 1 of the marker is circular, having a slightly rounded surface 2, so as to permit the passage of traffic thereover, this head being of substantial area as to be clearly visible. From this head depends a shank 3, the lower end of which is provided with a plurality of anchoring fingers 4, four such fingers being shown. These fingers may be formed in any suitable manner, as by cutting out the metal of the shank, and the fingers preferably taper downwardly, as indicated at 5. These fingers act to anchor the marker in place when spread or moved outwardly, and to effect this, there is provided a spreader which acts to spread the fingers from the position shown in Fig. 2 to that shown in Fig. 3, upon the application of pressure applied to the head 2 of the marker.

While the construction of this spreader may be varied, in accordance with one feature of the invention, the spreader is of such a character that it can be assembled with the shank of the marker at the factory for shipment ready for use, so that no assembling of the parts is necessary at the point where the marker is placed in the pavement. In the particular construction illustrated, this spreader is in the form of a member having a cone-shaped spreading surface 6 from which rises a short head 7. In assembling the parts, the short head is inserted between the ends of the legs or fingers 4, the lower ends of which are then slightly bent in, as shown in Fig. 2, so as to hold the spreader in assembled relation with the shank of the marker. The parts can thus be shipped assembled without danger of the spreader being lost.

In the use of the device, a hole 8 of the required depth is bored or otherwise formed in the pavement 9, the hole being dimensioned to receive the shank and spreader as at 10. The marker with the spreader is inserted in this hole and is driven into position by a blow from a hammer applied to the head of the marker. This results in driving the legs or fingers 4 down onto the cone-shaped surface 6 of the spreader, causing them to assume the position shown in Fig. 3, in which the fingers enter the underream of the hole and securely anchor the marker in place.

It will be seen that with the construction shown and described, a very simple and efficient device for the purpose has been provided, one of few parts, and one in which the parts can be assembled by the manufac-

turer ready for use, and which can be anchored in position simply by pressure applied to the surface of the marker.

While the particular marker shown and described embodies the invention in a preferred form, it will be understood that various changes may be made in the shape of the marker and the cooperating parts without departing from the invention as defined in the appended claims.

What is claimed is:

1. As a new article of manufacture, a street marker comprising a head, a depending hollow shank having expansible projections, and a spreader within the shank between the projections, said spreader having a conical portion flaring downwardly from the projections and a head above the upper conical end, the projection tips being indented inwardly to engage between the conical portion and head and lock the spreader in position.

2. As a new article of manufacture, a street marker comprising a metal head of considerable dimensions adapted to rest against the surface of a pavement when in position, a relatively short shank depending from the head and provided with a plurality of spaced expansible projections, a spreader plug located within the projections and having a bottom flattened to rest on the bottom of a hole in the pavement, said spreader having a cone-shaped lower portion extending upwardly and inwardly at an acute angle, the projections on the shank being arranged to engage the upper end of the cone-shaped face of the spreader before driving, so that when pressure is applied to the marker head the projections slide down the tapered sides of the cone, and all the projections are thus spread into locking engagement with the pavement and are positively driven in continuously widening arcs so that all the projections are engaged in the pavement and the marker is firmly locked in position.

3. A street marker having a head arranged to engage the pavement, a shank depending from the head, spaced fingers on the shank having tapered and slightly inturned ends, and a spreader held to the shank by the projections and having an expanding surface acting to force the ends of the projections outwardly to engage in the pavement when pressure is applied to the head.

In testimony whereof, I have hereunto set my hand.

JAMES S. GEORGE.