

Feb. 7, 1933.

P. SHAPIRO

1,896,920

STREET MARKER

Filed Jan. 5, 1931

2 Sheets-Sheet 1

Fig. 1.

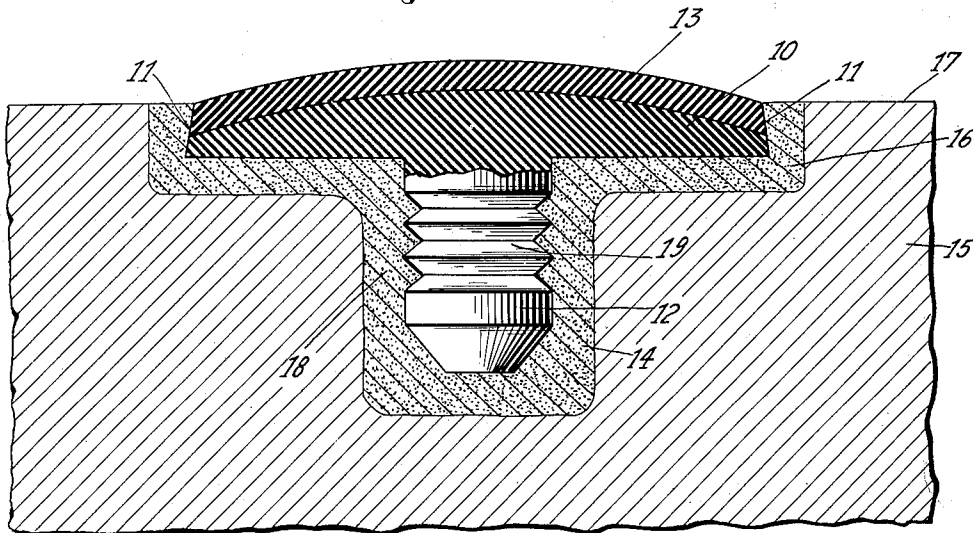
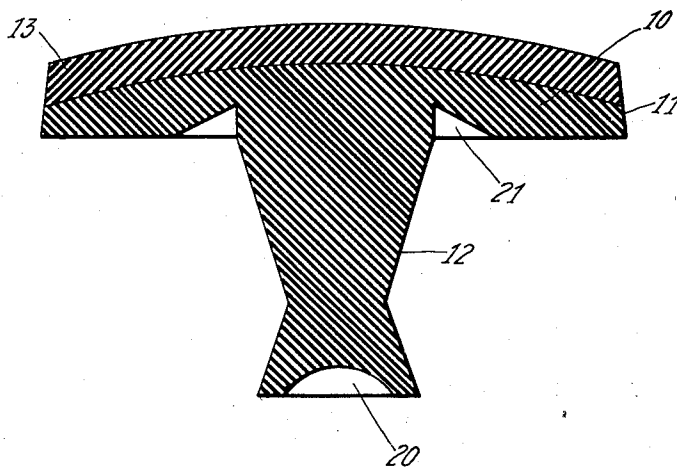


Fig. 2.



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Fig. 4.

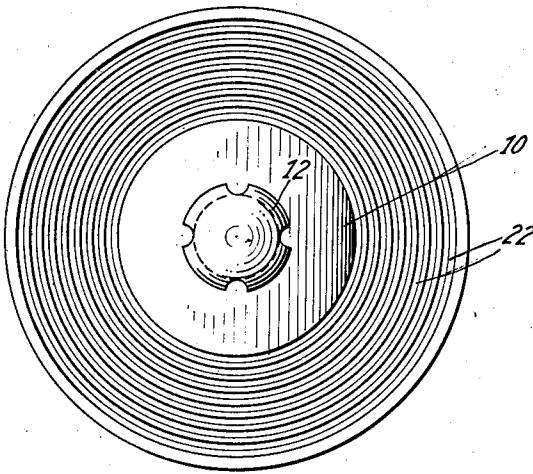


Fig. 3.

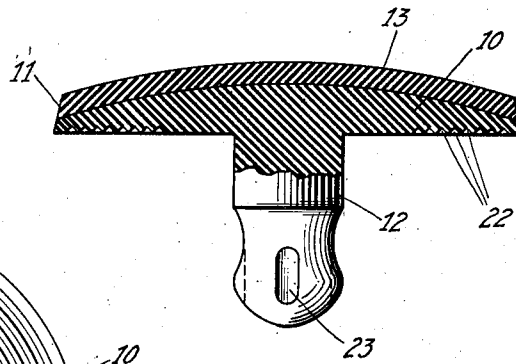


Fig. 5.

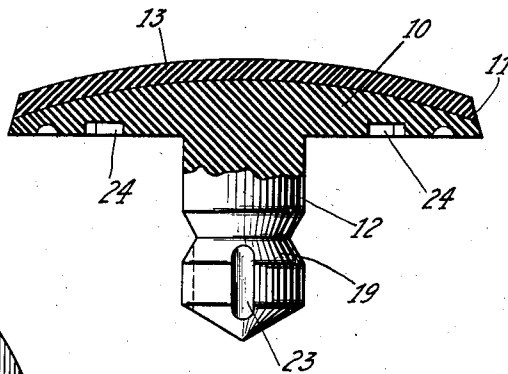
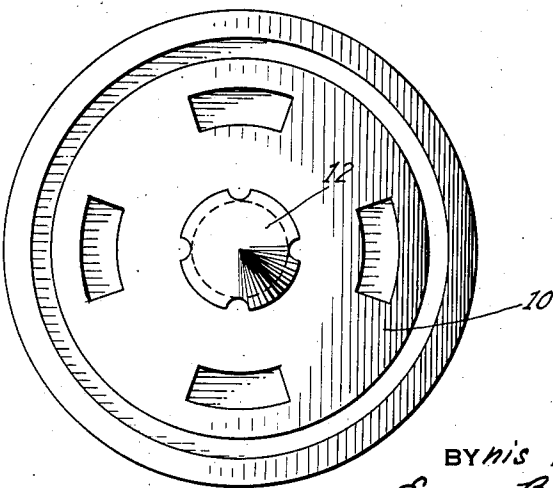


Fig. 6.



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UNITED STATES PATENT OFFICE

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STREET MARKER

Application filed January 5, 1931. Serial No. 506,588.

This invention relates to street markers such as are commonly employed for indicating traffic lanes, safety zones and the like, and an object of this invention is to provide an improved form of street marker constructed and arranged to give the desired visual indication clearly and for an extended period of time.

A further object is to provide an arrangement for securing such markers in place which will securely hold them against dislodgement.

These and other objects which will be apparent to those skilled in this particular art are accomplished by means of the invention illustrated in the accompanying drawings in which,

Fig. 1 is a transverse sectional view through a portion of street pavement showing a marker constructed in accordance with one embodiment of this invention together with the manner of securing the marker in place.

Fig. 2 is a transverse sectional view of a modified form of marker.

Figs. 3 and 4 are transverse sectional and bottom plan views, respectively, of another form of marker, and

Figs. 5 and 6 are similar views of still another modification.

The present invention contemplates the provision of a street marker made entirely of rubber. The top face of the marker can, if desired, be formed by a layer of rubber having a suitable color for giving it prominence and this layer can be vulcanized to the body of the marker which is itself rubber so as to make a unitary, integral whole. It will, of course, be apparent that the entire marker can be molded from rubber having the desired color if desired, but the cheaper construction is that in which the colored face is formed by a layer suitably vulcanized to the ordinary rubber base.

As illustrated in the drawings, the present marker includes a body portion 10 which may conveniently be of disc shape and which has an upwardly tapered or conical edge 11. The body portion is formed of rubber and is provided with a depending, integral, rubber, se-

curing plug 12 which is molded with the body portion so as to form an integral, unitary whole therewith. When the body portion is formed of ordinary rubber and it is desired to give the top face of the disc a distinguishing, noticeable color, a layer 13 of suitably colored rubber is vulcanized to the body portion so as to form the top face thereof, the layer 13 having its edges shaped to provide a continuation of the tapered edge 11 of the body.

In securing the marker in place a suitable opening 14 is formed in the pavement 15 with a counter sink 16 for receiving the body portion 10. The marker is arranged so that the upper corner of the tapered edge 11 is flush with the street surface 17. A suitable cementing material 18 such, for example, as tar, mineral lead, sulphur or the like, is first positioned in the hole in a soft or fused condition. The marker is then placed in position with the plug 12 extending into the hole 14 and the body 11 located in the counter sink 16. The cementing material hardens and cooperates with the tapered face 11 and locking pockets or recesses 19 formed in the plug for securely holding the marker against dislodgment.

In Fig. 1 the locking recesses 19 are shown as circumferential grooves provided in the plug 12. Obviously they may be of other form. For example, in Fig. 2, the plug 12 is of an hourglass shape and provided with vacuum cup or recess 20 in the bottom thereof. A suitable annular pocket 21 is also provided around the plug 12 in the body portion 11 of the modification shown in Fig. 2.

In Fig. 3 the under surface of the body portion 10 is provided with a plurality of annular grooves 22 which interlock with the binding material and the plug is formed with suitable recesses 23 spaced around the lower portion thereof. In Fig. 5, the under face of the body 11 is provided with spaced arcuate recesses 24 and the plug has a combination of pockets 23 and circumferential grooves 19.

When in place, the hardened binding material 18 forms a secure attaching means for locking the marker in place. The upper

edges of the marker being flush with the street surface, only the top face is exposed to wear and being resilient, will absorb the shocks and pressure to which it is subjected without damage. The color of the top layer does not fade and provides the desired visual indication as long as the marker is used.

I claim as my invention:—

The combination with a pavement having an opening formed therein and provided with a counter bore at the pavement surface, of an all-rubber marker having a disc-shaped body portion provided with a beveled edge located in said counter bore, a layer of colored rubber vulcanized to said body portion and provided with a beveled edge forming a continuation of the beveled edge of said body portion and located in said counter bore with the upper surface thereof substantially flush with the surface of said pavement, a holding plug formed integrally with the material of said body portion and extending downwardly therefrom into said opening, recesses formed in said plug and said body portion and cementing material molded in said opening and said counter bore around said beveled edge and in said recesses and engaging the walls of said opening for securing said marker in place.

In testimony whereof, I have signed my name to this specification this 30th day of December, 1930.

PETER SHAPIRO.

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