Nov. 1, 1932. J. R. O'BRIEN 1,885,941

ROAD MARKER

Filed Aug. 10, 1928

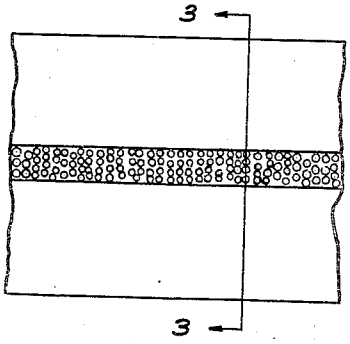


Fig. 1.

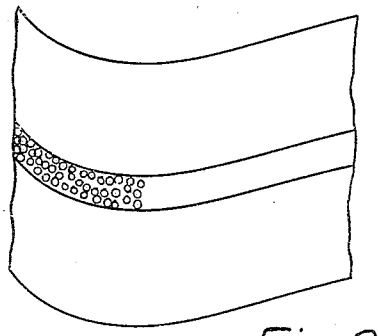


Fig. 2.

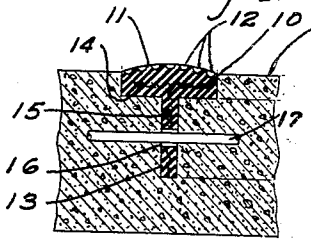


Fig. 3

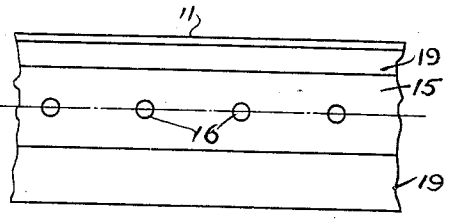


Fig. 4.

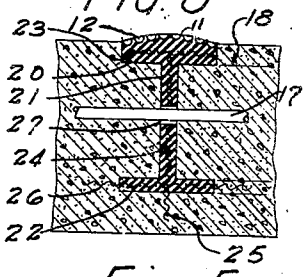


Fig. 5.

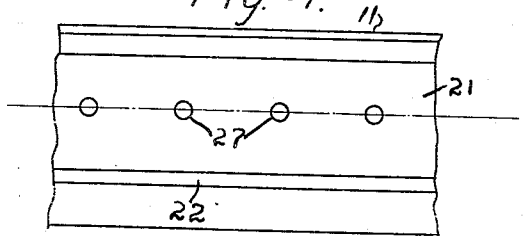


Fig. 6.

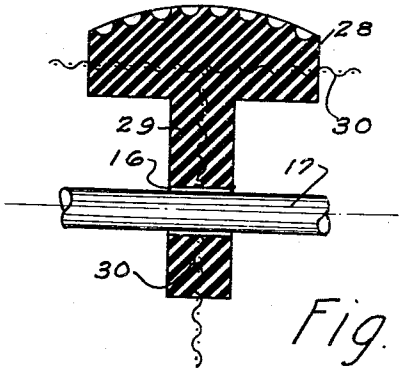


Fig. 7.

BY

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ATTORNEY

Patented Nov. 1, 1932 1,885,941

UNITED STATES PATENT OFFICE

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ROAD MARKER

Application filed August 10, 1928. Serial No. 298,713.

This invention relates to improvements in road markers particularly adapted, though not necessarily limited in its use, as a center line marker and expansion joint or weakness strip embedded in the pavement or road substantially flush with the top thereof, and which is adapted to yield to compensate the expansion of the pavement or road and thereby prevent the pavement from cracking or becoming damaged.

A further object is to provide an improved resilient marker of this character which may be constructed of any suitable material such as rubber or the like, which is capable of withstanding considerable abrasion and wear.

A further object is to provide an improved marker of this character having embedded or incorporated therein a suitable reinforcing means, and which reinforcing means may project laterally beyond the marker or may depend below the bottom thereof or both, and which projecting portions are embedded in the pavement beyond the marker.

A further object is to provide an improved marker of this character having in the exposed surface thereof recesses or cups to form suction creating portions to assist in increasing any sliding friction created upon the top of the marker.

To the attainment of these ends and the accomplishment of other new and useful objects as will appear, the invention consists in the features of novelty in substantially the construction, combination and arrangement of the several parts hereinafter more fully described and claimed and shown in the accompanying drawing illustrating this invention, and in which

Figure 1 is a top plan view of a portion of a pavement or road having a marker or dividing strip constructed in accordance with the principles of this invention embedded therein.

Figure 2 is a view similar to Figure 1 of another shape of strip.

Figure 3 is a detail sectional view taken on line 3—3, Figure 1.

Figure 4 is a side elevation of the marker shown in Figure 3.

Figure 5 is a view similar to Figure 3 of another form of marker.

Figure 6 is a side elevation of the marker shown in Figure 5.

Figure 7 is an enlarged detail sectional view of the marker shown in Figure 3.

The marker consists essentially of a body portion which may be of any desired size and configuration and constructed of any suitable resilient material such as rubber or the like which will withstand considerable abrasion and wear.

In the form of the invention shown in Figures 3 and 4, the marker consists of a body portion 10 which is preferably convexed or crowned on its upper surface as at 11, and in said surface may be provided any desired number of recesses or cup shaped portions 12 opening through the upper face thereof.

Depending from the body portion 10 is an extension 13 which is of a width considerably less than the width of the body portion so as to preferably form a substantially T shaped marker element.

Embedded within the body portion 10 is a reinforcing member 14 which may be constructed of any suitable material such as metal or the like which is reticulated or may be expanded metal. In this form of the invention the reinforcing means 14 terminates short of the lateral edges of the body 10.

Arranged within the depending portion 13 is another reinforcing element 15 which may be of similar construction to the reinforcing element 14 and this element 15 is spaced from the lateral faces of the depending portion 13.

If desired the portion 13 may be provided with one or more apertures 16 therethrough which also pass through the reinforcing element 15, and anchor members 17 may be provided to pass through the openings 16 and to project for a considerable distance beyond the lateral faces of the portion 13.

The marker thus constructed may be of any desired length and is adapted to be embedded in the road bed or pavement 18 so that the upper surface 11 thereof will be disposed in close proximity to the upper surface 19 of the pavement.

In the form of the invention shown in Fig-

ure 5, the body portion 20 is constructed similar to the body portion 10 in the form shown in Figure 3. Depending from the body portion 20 is an extension 21 which may be of any desired length and width, but is preferably considerably narrower than the width of the body portion 10.

Secured to the depending portion 21 is a base 22 which projects laterally beyond the sides of the portion 21 so that the marker in this form of the invention will be of a substantially I shape. The reinforcing member 23 which is embedded in the body portion 20 is of substantially the same construction as the reinforcing element 14 in the form shown in Figure 3, and the reinforcing element 24 which is arranged in the depending portion 20 is similar to the reinforcing element 15, but the element 24 preferably projects beyond the base of the portion 22 as at 25.

Another reinforcing element 26 is arranged within the base 22 and projects beyond the ends thereof, and the projecting portions of the reinforcing element 26 and the portion 25 of the reinforcing element 24 are adapted to be embedded in the road bed 18 so as to serve as an additional anchoring means. An anchor element 17 is also provided to pass through an opening 27 in the depending portion 21.

As shown in Figure 7, the body portion of the marker 28 has a depending portion 29, and reinforcing elements 30 and 31 are respectively embedded in the body portion and the depending portion so that the extremities of the reinforcing elements respectively project beyond the ends of the portions 28 and 29 to be embedded in the pavement.

The anchor and body portion may also be constructed of any suitable material preferably resilient material such as rubber or the like or any other material which will withstand considerable wear, and which will yield to the expansion of the pavement so as to prevent injury to the pavement.

By the provision of the crowned top and the recesses or cups, means will be provided to create suction with an object passing over the marker so as to increase the friction and prevent sliding action upon the marker.

At the same time the crowned top will insure the tops of the marker being kept clean so that it will be visible at all times.

While the preferred forms of the invention have been herein shown and described, it is to be understood that various changes may be made in the details of construction and in the combination and arrangement of the several parts, within the scope of the claims, without departing from the spirit of this invention.

What is claimed as new is:—

1. A road marker embodying a readily compressible rubber element embodying a body portion and a centrally disposed depending web of a width considerably less than the width of the body, said body and web adapted to be embedded in the pavement, a reticulated reinforcing member embedded in said body and extending thereacross, a reticulated reinforcing member embedded in said web and being transversely arranged with respect to the reinforcing member in said body, with one edge thereof in close proximity to the reinforcing member in said body, and an anchor member opening extending transversely through said web and the reinforcing member therein, intermediate the ends of said web.

2. A road marker embodying a readily compressible rubber element embodying a body portion and a centrally disposed depending web of a width considerably less than the width of the body, said body and web adapted to be embedded in the pavement, a reticulated reinforcing member embedded in said body and extending thereacross, a reticulated reinforcing member embedded in said web and being transversely arranged with respect to the reinforcing member in said body, with one edge thereof in close proximity to the reinforcing member in said body, and an anchor member opening extending transversely through said web and the reinforcing member therein, intermediate the ends of said web, the reinforcing member in said body extending beyond the lateral edges thereof and the reinforcing member in the said web extending beyond the lower edge of said web.

In testimony whereof I have signed my name to this specification, on this 2nd day of April, A. D. 1928.

JAMES RAYMOND O'BRIEN.