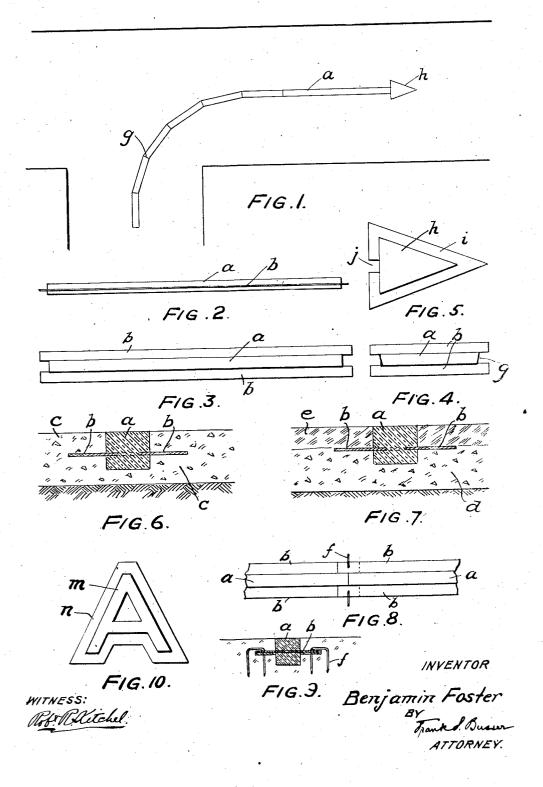
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ROADWAY WITH TRAFFIC CONTROL MARKING Filed Aug. 7, 1923



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ROADWAY WITH TRAFFIC-CONTROL MARKING.

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paint on the surface of a cement, asphalt or other roadway, right-of-way or traffic-control 5 numbers and other devices. These markings are not durable. They tend to wear away or to become so discolored that they do not stand out sharply. The object of the present invention is to provide means for render-10 ing such markings as durable as the roadway itself. This is accomplished by providing a structure which is built into the roadway, flush with the surface thereof, such structure having a superficial contour corre-15 sponding to the marking desired. Preferred specific structures accomplishing the object sought are illustrated in the accompanying drawings, in which—

Fig. 1 is a plan view of a roadway pro-20 vided with a traffic-control stripe and em-

bodying my invention.

Fig. 2 is a side view, and Fig. 3 a plan view, of one of the embedable bars whose upper surfaces form a traffic-control stripe. Fig. 4 is a plan view of a relative short

bar forming part of a complete "curve". Fig. 5 is a plan view of one of the end

blocks of a complete "stripe".

Fig. 6 is a cross-sectional view of my in-

30 vention applied to a concrete roadway. Fig. 7 is a cross-sectional view of my in-

vention applied to an asphalt roadway. Fig. 8 is a plan view of the abutting ends

of two contiguous bars. Fig. 9 is a cross-section through the joint

between two embedded bars.

embedable block.

If the superficial marking is a line or 40 stripe I construct a bar a, preferably rectangular in cross-section, a few inches in height and of a width corresponding to the width of the stripe to appear superficially on the roadway. The bar is constructed, prefer-ably, of a mineral or clay, but it may be made of any durable material. A carborundum by-product composition or a phosphorus-bearing composition is preferred, because materially from a continuous curve. such material is not only durable, but pre-50 sents a degree of luminosity that will enable it to be seen readily at night.

Extending from opposite sides of the bar a, between its top and bottom, are thin wings or webs b. Preferably, these are formed 55 from a single piece of wire mesh that is con-

It is customary at the present time to cast into the bar that it projects from opposite sides thereof.

The bar a is positioned during the buildlines or stripes, as well as words, arrows, ing of the road. If the road is a cement 60 road (see Fig. 6), the cement c will be cast about the webs b, and on both sides of the bar a, which thus becomes an integral part of the roadway. In the case of an asphalt pavement laid on a concrete or stone base, 65 the webs may extend into the base, whereby the bar becomes an integral part of the base; or (as shown in Fig. 7) the webs may be positioned below the top of the bar a distance corresponding to the depth of the as- 70 phalt sheet e, so that, after the coating of asphalt is applied to the base d, the webs will be confined between the base d and the asphalt sheet e.

It will usually be impracticable to make 75 the bar as long as the traffic control stripe. It is therefore necessary to abut one rod end to end against another. In order to tie successive bars together, I prefer that the webs shall extend beyond the ends of the bars and 80 therefore that adjacent webs of abutting bars shall overlap, as shown in Fig. 8. As an additional means of securely uniting adjacent bars, I prefer to lock them together and to the material of the roadway by any 85 suitable means, such as by a two-pronged pin f (see Figs. 8 and 9), one prong of which extends through overlapping webs, both prongs being embedded in the roadforming material.

Traffic-control stripes are usually curved for at least a portion of their length. In-Fig. 10 is a plan view of another form of stead of curving the bars, I prefer to make them—or such of them as go to make up the curved portion of the stripes of a com- 95 paratively short length, with the ends g slightly bevelled so that one side of the bar is slightly longer than the other, as shown in Fig. 4. When a number of such bars are abutted end to end, they form, as shown in 100 Fig. 1, a series of chords of short arcs together forming the complete curve. Such series of chords deviate but slightly and im-

If it is desired to form the similitude of 105 an arrow at either end, I provide a triangular block h (see Fig. 5) with webs i projecting therefrom on all sides, the web being cut away at j to accommodate the end of a bar a.

If letters, figures or other devices are to 110 appear on the surface of the roadway, I siderably wider than the bar and that is so form blocks m corresponding to the several

position in the same manner in which the

5 bars a are held in place.

It is comparatively easy to make the upper surfaces of the bars, blocks, etc. flush with the upper surface of the roadway, this being effected automatically in the final road-rolling operation, provided reasonable care has been taken in the original positioning of the bars or blocks.

Having now fully described my invention, what I claim and desire to protect by Let-

15 ters Patent is:

1. A roadway presenting a permanent traffic-control marking comprising a piece ping, said sections resting on the material of material having a superficial contour corresponding to said marking and webs pro-20 jecting laterally from said piece of material, the material of the roadway underlying 5. A roadway presenting a permanent and surrounding said piece of material and traffic-control curved stripe comprising a se-25 webs substantially corresponding to the distance of said webs from the top surface of way with their top surfaces substantially said piece of material so that said top sur- flush with each other and with the surface

traffic-control marking comprising sections posed in their lengthwise extension as to of material assembled together with their form a continuous series of chords of arcs other and embedded in the material of the roadway with their top surfaces substantially flush with the surface of the roadway, a web extending from the body of each section and overlapping a web on an adjacent section and fastening devices securing said overlapping was on adjacent sections to overlapping was on adjacent sections to overlapping was on adjacent sections to on this 18th day of July 1923. overlapping webs on adjacent sections to- on this 18th day of July, 1923.

3. A roadway presenting a permanent

letters, figures or other devices, as shown in traffic-control marking comprising sections Fig. 10, and provide the same with lateral of material assembled together with their webs n, and secure the blocks and webs in top surfaces substantially flush with each 45 other and embedded in the material of the roadway with their top surfaces substantially flush with the surface of the roadway, means locking said sections from vertical movement relative to the material of the 50 roadway, and fastening devices securing together contiguous parts of adjacent sections and embedded in the material of the roadway beyond the limits of the sections.

4. A roadway presenting a permanent 55 traffic-control marking comprising a plurality of sections each provided with lateral webs, webs of contiguous sections overlapof the roadway, which also extends on op- 60 posite sides of said sections and above and

below said webs.

overlying and underlying said webs, the ries of relatively long and narrow sections 65 depth of roadway material overlying said of material assembled together end to end and-embedded in the material of the roadface is substantially flush with the material of the roadway, the individual sections 70 forming the curved strip being straight 2. A roadway presenting a permanent from end to end, the sections being so distop surfaces substantially flush with each of a curve, the abutting ends of adjacent 75

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