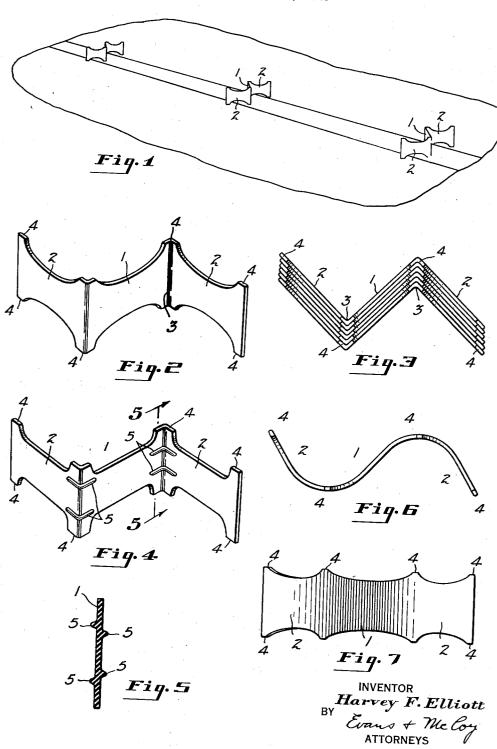
HIGHWAY GUARD

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## HIGHWAY GUARD

Harvey F. Elliott, Cleveland, Ohio, assignor to Louis S. Wertz, Inc., Cleveland, Ohio, a corporation of Ohio

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This invention pertains to a guard device for use in the protection of markings on highways and the like.

In the marking of highways and the like on which traffic is allowed during marking, guards 5 are used to prevent the recently marked portions from becoming smeared or obliterated before the marking (usually a heavy paint) has dried and can withstand the passage of traffic thereover subject to many objections, such as undue cost, inability to withstand repeated impacts without injury, and impracticability due to care required in placement. They are also quite bulky and sufficient quantities. Certain of these objections have become highly important as the speed and efficiency of marking methods has increased so that major difficulties in the marking of highways and the like are the cost and timely trans- 20 portation of the marking guards.

It is therefore an object of the present invention to provide a guard which may be readily placed, which will not obstruct traffic unnecessarily and which may be easily observed by

Another object is to provide a guard which is passersby. very durable and capable of being accidently

struck without injury.

A still further object is to provide a guard which will not be bulky or require a great deal of space when not in use so that large numbers of guards may be transported at the same time.

Another object is to provide a guard which is 35 simple in design and construction and which may be readily fabricated and which is relatively

Other objects and advantages of the present inexpensive. invention will become apparent from the follow- 40 ing detailed description accompanied by the drawing in which like parts throughout the several views are indicated by the same reference numeral.

In the drawing,

Figure 1 is a view in perspective of devices embodying the present invention and illustrating how they may be used to guard a fresh marking on a highway or the like;

Fig. 2 is a view in perspective of one of the 50

guard devices shown in Fig. 1;

Fig. 3 is a plan view of a plurality of guard devices illustrating how they may be compactly grouped or nested for storage and transportation;

Fig. 4 is a view in perspective of a modified embodiment of the invention;

Fig. 5 is an enlarged sectional view taken substantially on line 5-5 of Fig. 4;

Fig. 6 is a plan view of another modified form of guard device; and

Fig. 7 is an elevational view of the modifica-

tion shown in Fig. 6.

Briefly the present invention is a guard dewithout impairment. Present day guards are 10 vice to be utilized for guarding freshly painted walks, etc., and which guard device has a simple structure that requires a relatively small amount of material and relatively little fabrication but therefore cannot be stored or transported in 15 which shall be sturdy and of sufficient size to be pass the vicinity where the guard is being used. With reference to the accompanying drawing, the guard in its preferred forms comprises a single strip having a sinuous or approximately sinuous outline and adapted to be stood on its edge over a highway marking to guard the same.

The form of the invention as shown in Figs. 1 to 3 includes a central portion or web 1, and oppositely extending end portions 2. The central portion and the end portions may, as shown in these figures, be substantially plane in form or they may be curved. Preferably the central portion and end portions have surfaces generated by a line, whether they be plane or curved surfaces. The end portions may merge with the central portion at rounded corners 3 which may have a somewhat enlarged or thickened cross section to provide increased strength and to facilitate the compact grouping characteristics of the guards. Fig. 3 illustrates how compactly the guards may be grouped or nested, and it may be seen that large quantities may be stored or transported for distribution in a relatively small volume or space.

Suitable support members are disposed along one or both of the longitudinal edges of the strip to give stability thereto when the strip is standing on edge. It is desirable to form recesses or cut out portions along the longitudinal edges of the strip and the remaining portions of the edge provide excellent support members 4 at which points the guard may rest on the highway. By providing the longitudinal edges of the strip with cut out or recessed portions, the amount of material required for each guard may be considerably decreased, and also the possibility of impairment of the fresh marking by the guard is substantially reduced. The recessed portions also permit rain to flow thereunder without

tending to move the guard into the lines of traffic.

Preferably the devices are molded or otherwise constructed of a deformable or resilient material, such as a suitable rubber compound or the like. 5 Thus they have considerable ability to absorb shocks and impacts from traffic without injury. To increase the visibility of the guards, they may be given a bright color or combination of colors

The distribution of the devices may be carried out readily and at suitable speeds by loading a relatively large number of guards in a truck, and as the highway or the like is marked the guards 15 may be placed by dropping them at intervals onto the marking manually or by suitable mechanical apparatus carried by the truck. Since the present guards may stand on either of their longitudinal edges, selection and positioning them for place- 20 ment do not present obstacles. If the guards are struck by traffic before they are collected for reuse, the possibility of permanent injury thereto is slight when they are made of suitable, deformable material. Glancing blows before the mark- 25 ing is dry will only move the guards aside and since the area of contact between the marking and guard is only at the location of the support members, impairment of the marking is greatly reduced. In the event a guard is struck in such 30 a manner that it is tipped over it will rest on the rounded corners 3 and the extremities of the portions 2, and still serves as a guard.

The form of guard shown in Figs. 4 and 5 differs from that shown in Figs. 1 and 2 in the shape of 35 the recesses and the proportions of the support members 4. Also, reinforcing ribs 5 are shown at the corners 3 to strengthen the guard at these points of flexure. It may be noted that at each end of the central web I the ribs are offset with 40 respect to the corresponding ribs on the other side of the corner so that the ribs do not materially interfere with the compact nesting of the guards (see Fig. 5).

outline of the guard is truly sinuous providing smooth side surfaces and eliminating corners. The cut out portions of the longitudinal edges are so proportioned that the remainder of the edges

which provide the support members 4, are reduced in area.

It is to be understood that variations and modifications of the specific devices herein shown and described for purposes of illustration and explanation may be made without departing from the spirit of this invention.

What I claim is:

1. A guard for highway markings comprising a to afford a marked contrast to the highway and 10 relatively thin one-piece member of elastic rubberlike material which is of substantially uniform height and thickness throughout and which is adapted to stand on edge upon a highway surface, said member having an elongated web portion and portions projecting laterally a substantial distance from opposite sides of said web portion, a series of supporting projections disposed along each longitudinal edge of said member, certain of said projections being located adjacent said web portion and other projections located on said oppositely projecting portions at substantial distances from said web portion to provide a stable support for said member when the guard stands upon either of its longitudinal edges.

2. A guard for highway markings comprising a relatively thin, elongated, one-piece member of elastic rubberlike material which is of substantially uniform height and adapted to stand on edge upon a highway surface and which consists of a central web portion and end portions of substantial length projecting laterally in opposite directions from said central web, said member being of substantially uniform thickness throughout its length and height to provide opposite side faces which are parallel so that a series of the members may be compactly nested one upon another for transportation, the opposite longitudinal edges of said member having supporting projections, two of the projections on each edge being located adjacent the ends of the central web portion and other of the projections on each edge being located adjacent the outer ends of the projecting end portions and laterally offset with respect to In the modification shown in Figs. 6 and 7, the 45 tion and at a substantial distance from said web portion to provide a stable support for said mem-

HARVEY F. ELLIOTT.