

S. F. TUTEUR.
 SPEED ARRESTER FOR VEHICLES.
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1,265,404.

Patented May 7, 1918.

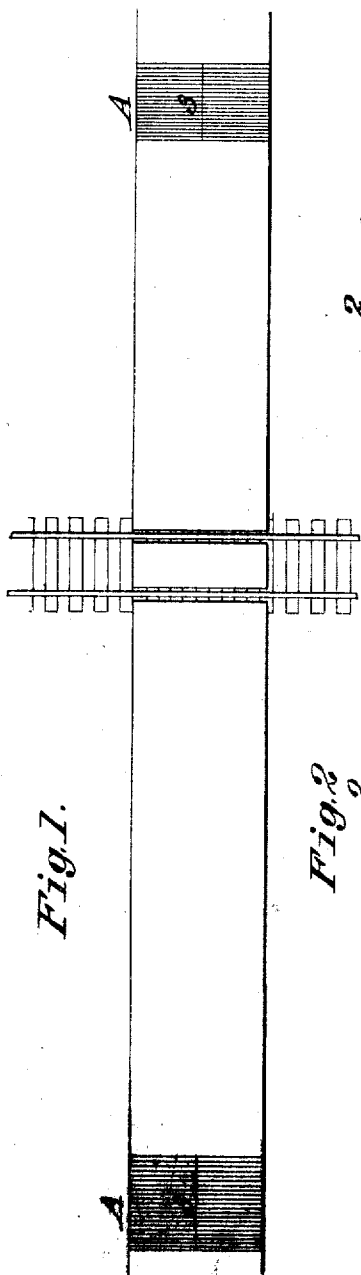


Fig. 1.

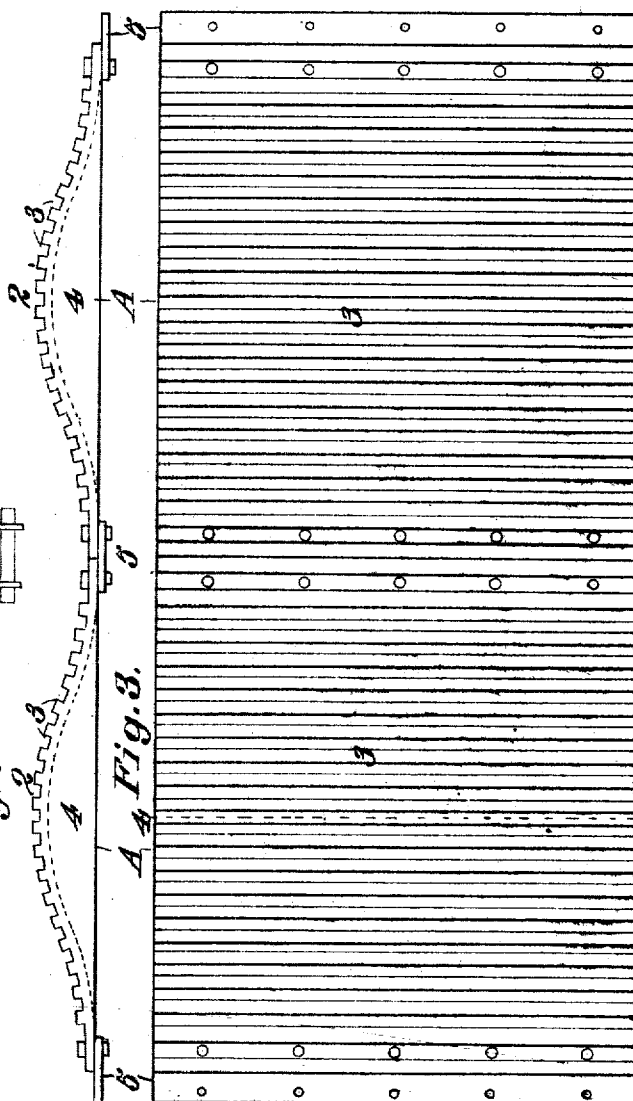


Fig. 2

Fig. 3.

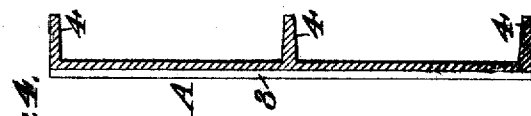


Fig. 4.

WITNESSES:

Charles H. H. H.
J. H. H. H.

INVENTOR

Siegfried F. Tuteur

BY *Strong & Townsend*

ATTORNEYS

UNITED STATES PATENT OFFICE.

SIEGFRIED F. TUTEUR, OF SACRAMENTO, CALIFORNIA.

SPEED-ARRESTER FOR VEHICLES.

1,265,404.

Specification of Letters Patent.

Patented May 7, 1918.

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To all whom it may concern:

Be it known that I, SIEGFRIED F. TUTEUR, a citizen of the United States, residing at Sacramento, in the county of Sacramento and State of California, have invented new and useful Improvements in Speed-Arresters for Vehicles, of which the following is a specification.

This invention relates to a speed arrester and danger warning for vehicles.

The object of the present invention is to provide a cheap, substantial and effective device comprising a series of plates or blocks having undulations formed therein which are adapted to be placed in roadways to form a permanent part thereof, particularly at points adjacent railway crossings and other danger points, which will not only serve as a means for compelling drivers of vehicles to slow down before they can cross, but which will also serve as a positive warning to the occupants of the vehicle regardless of rain, fog or darkness, that a danger point or crossing is being approached, as the uniformity of the undulations together with the depth of same will impart a series of shocks sufficiently severe to warn any one that a danger point is being approached. Further objects will hereinafter appear.

The invention also consists of the parts and the construction and combination of parts as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is a plan view of a railway crossing showing the application of the invention.

Fig. 2 is a side elevation of the plates employed.

Fig. 3 is a plan view of same.

Fig. 4 is a cross section on the line 4—4 of Fig. 3.

Referring to the drawings in detail. A indicates a plate preferably constructed of cast or pressed steel, the center portion of which is considerably raised and curved to form an undulation, such as shown at 2. The upper surface of this plate is corrugated or slotted, as shown at 3, to provide traction for ordinary teams and vehicles while the under surface is provided with three or more ribs, such as shown at 4, to strengthen and reinforce the plate. Any suitable number of plates may be employed and bolted together by ordinary fish plates,

such as shown at 5. The plates should, under ordinary conditions, extend clear across the surface of a roadway and two or more series of plates should be employed to impart the necessary warning and also to compel drivers of vehicles to slow down before passing across the same.

The plates may be anchored to cross ties or set in concrete and as such will form a permanent part of a roadway. The construction involved necessitates comparatively little alteration or breaking up of road or highways already constructed as the plates are set directly in the surface and will form a permanent part of the surface already existing. The plates when joined together may form two or more parallel undulations extending cross-wise of the road, such as shown in Figs. 1 and 2, and may be placed any suitable distance in advance of a railway crossing or other danger point.

The undulations may be made sufficiently severe to cause drivers of approaching vehicles to slow down, for instance, to ten miles an hour or less, if desired, thereby giving the driver a chance to come to a complete stop before the actual crossing is reached, if necessary. The undulations presented do not only compel the drivers of vehicles to slow down, but they also serve as a positive warning to the drivers if they should happen to cross the undulations before noticing same. That is, the uniformity and number of undulations provided will impart a series of shocks sufficiently severe to warn any one that a danger point or railway crossing is being approached, thereby permitting the drivers to come to a stop before the crossing is reached or at least to slow down.

This is of considerable importance on dark nights or in fog or rainy weather, as it often happens that the shields are sufficiently covered with rain or sleet to prevent drivers of vehicles from actually seeing the undulations or the crossing or other danger point which is being approached. The shocks imparted to the vehicle and the uniformity of the same will, in the present instance, warn any one, thereby positively serving the purpose intended and consequently reducing the number of accidents heretofore encountered at such points. The plates forming the undulations described may not only be placed in roadways on each side of railway crossings, but may also be placed at other danger

points along highways and the like, for instance, ahead of a sharp curve or a steep cliff, in this manner compelling drivers not only to slow down but also to warn them to look out for danger in one form or another.

The device as a whole consisting of the plates shown is simple and substantial in construction. The placing of same in roadways may be accomplished with comparatively little alteration or damage to the existing road beds, and, as their upper surfaces are corrugated, as shown at 3, it can readily be seen that sufficient traction is presented to permit ordinary teams to pass without the horses slipping or too much resistance being presented where heavy loads are being handled.

The materials and finish of the plates together with the method of anchoring same may otherwise be such as the experience and judgment of the manufacturer may dictate and local conditions may require.

I also wish it understood that various changes in the form, proportions and minor details of construction may be resorted to within the scope of the appended claims, and that I do not wish to limit myself to the specific design and construction here shown.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. As a new article of manufacture, a vehicle speed arrester and danger warning

adapted to be superimposed on the finished or normal top surface of a roadway, composed of a curved plate having a series of corrugations extending thereacross, said corrugations being formed so as to provide traction grips and to afford a means of warning by vibrating the vehicle, longitudinal ribs depending from the under face of and located at the sides of the curved plate for supporting the latter by seating on the finished surface of a roadway, said curved plate having its ends arranged to lie horizontally, and means to anchor said plate ends in a roadway or the like.

2. As a new article of manufacture, a vehicle speed arrester and danger warning, adapted to be superimposed on the finished or normal top surface of a roadway, composed of a curved plate having a series of corrugations extending thereacross, said corrugations being formed so as to provide traction grips and to afford a means of warning by vibrating the vehicle supporting means for the plate formed to seat on the finished surface of a roadway, and means to anchor the plate in a roadway.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

SIEGFRIED F. TUTEUR.

Witnesses:

A. H. WAGNER,
S. PEARLE TINSLER.