June 21, 1932. R. G. WILLIAMS 1,864,159

HIGHWAY GUARD FENCE

Filed April 30, 1931

Fig. 1.

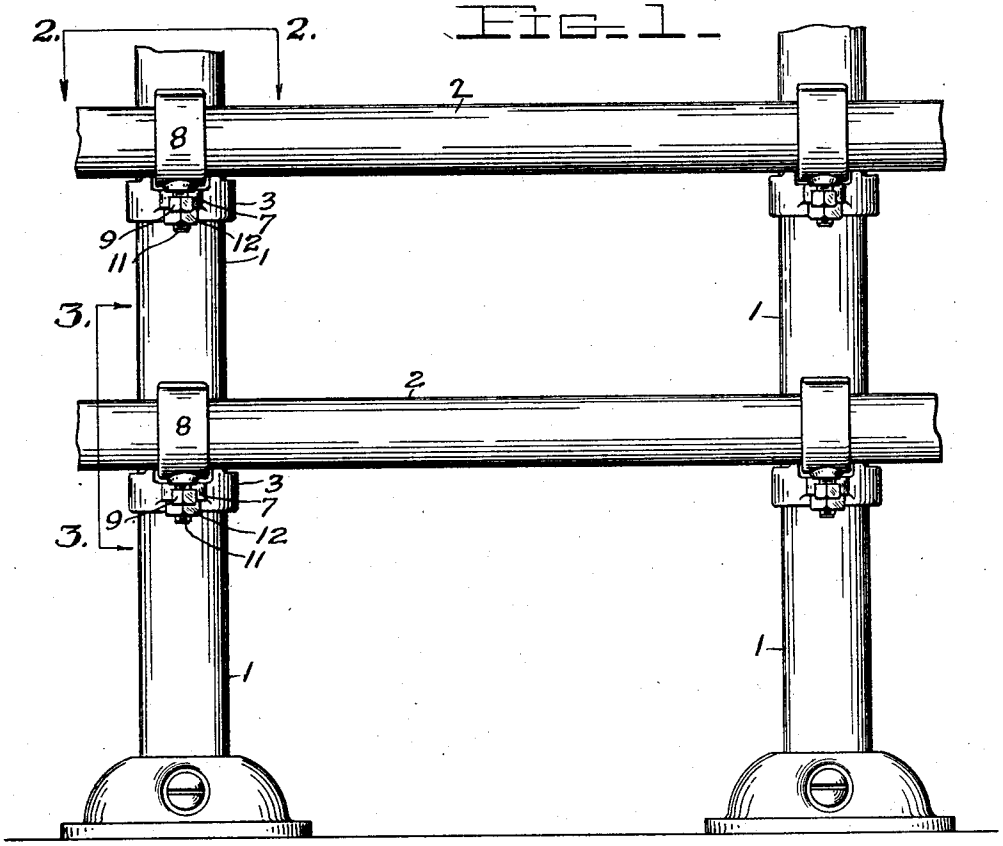


Fig. 2.

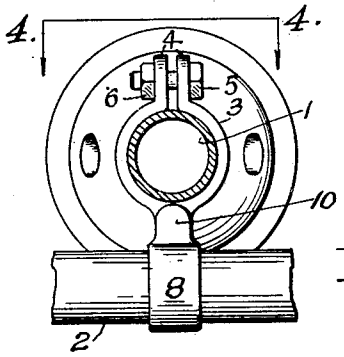


Fig. 3.

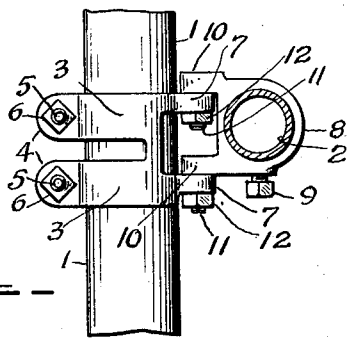
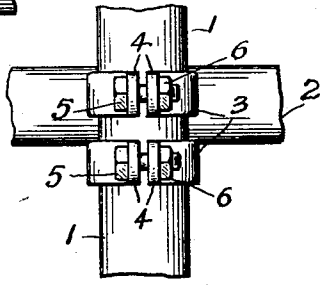


Fig. 4.



Inventor

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Patented June 21, 1932

1,864,159

UNITED STATES PATENT OFFICE

ROLLAND G. WILLIAMS, OF BRANFORD, CONNECTICUT, ASSIGNOR TO MALLEABLE IRON FITTINGS COMPANY, OF BRANFORD, CONNECTICUT, A CORPORATION OF CONNECTICUT

HIGHWAY GUARD FENCE

Application filed April 30, 1931. Serial No. 534,094.

My invention relates to highway guard fences such as are made of iron of tubular form in which the fence rails and their securing fixtures are so secured to fixtures clamped to the fence posts, that the impact of a vehicle against the rail fixtures will swing the latter to one side without causing material damage to them or to the fence posts.

In the accompanying drawing forming a part of this specification,

Figure 1 is an elevation of my improved fence,

Figure 2 is a view at the line 2—2 of Figure 1,

Figure 3 is a section at the line 3—3 of Figure 1, and

Figure 4 is a view at the line 4—4 of Figure 2.

Similar numerals of reference denote like parts in the several figures of the drawing.

1 are the fence posts and 2 the fence rails.

3 is a socket embracing the post and having at the rear spaced terminals in the form of ears 4 through which a threaded bolt 5 is passed and a nut 6 driven on the end of the bolt to clamp the socket firmly to the post.

From the front of the socket 3 at the upper and lower portions thereof extend lugs 7 in spaced relation and perforated vertically.

8 is a ring through which the fence rail passes and 9 a set screw driven through the ring against the rail to secure it.

From the rear of this ring extend lugs 10 which have threaded bolts 11 depending integrally therefrom, and these bolts are passed through the lugs 10 and nuts 12 driven on the bolts to secure the ring 8 firmly in offset relation with respect to the post.

Should a vehicle strike a rail and come in contact with the ring, the force of the impact would overcome the binding effect of the nuts and merely swing the ring to one side without causing appreciable damage to either ring or post.

What is claimed is:—

A means for clamping the rods to the posts in highway guard fences consisting of a socket for securing around a post, spaced upper and lower lugs extending from its front portion provided with vertical perforations, a ring through which a rod is adapted to pass provided with rearwardly extending lugs formed with depending threaded bolts for passing through the perforations, nuts driven on the ends of the bolts to secure the ring in offset relation to the post, and a set screw driven through the ring against the rod.

In testimony whereof, I affix my signature hereto.

ROLLAND G. WILLIAMS.