

1,236,048.

Patented Aug. 7, 1917.

Fig. 1.

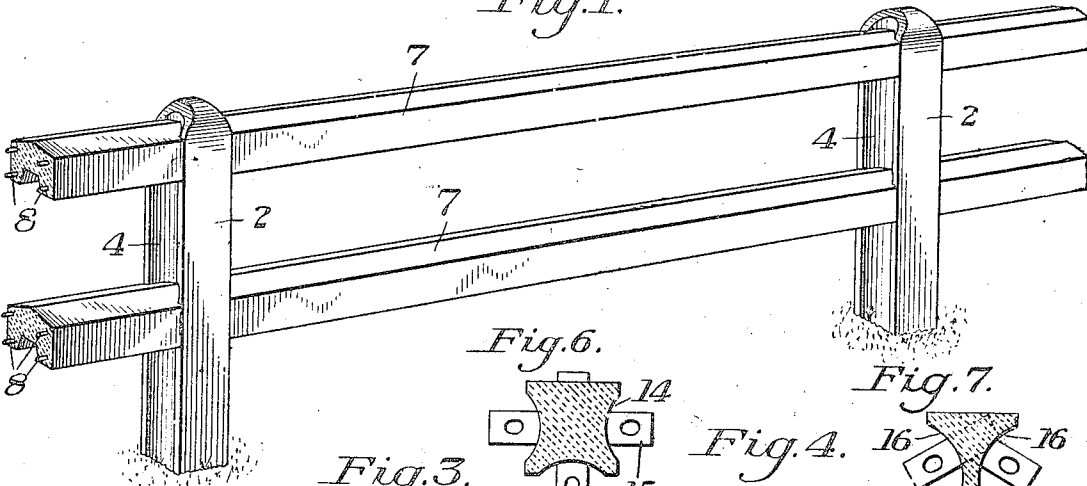


Fig. 6.

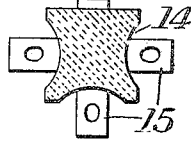


Fig. 7.

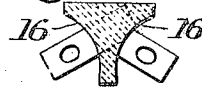


Fig. 3.

Fig. 4.

Fig. 2.

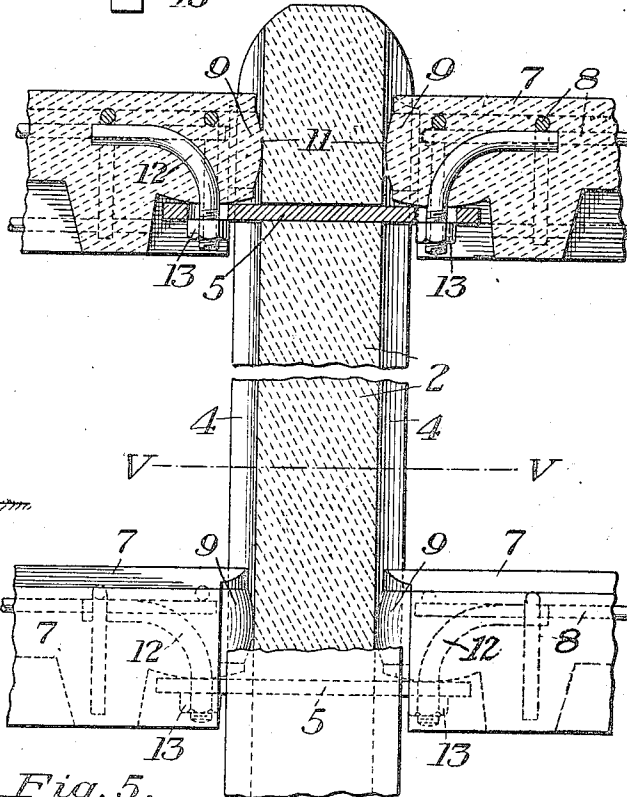
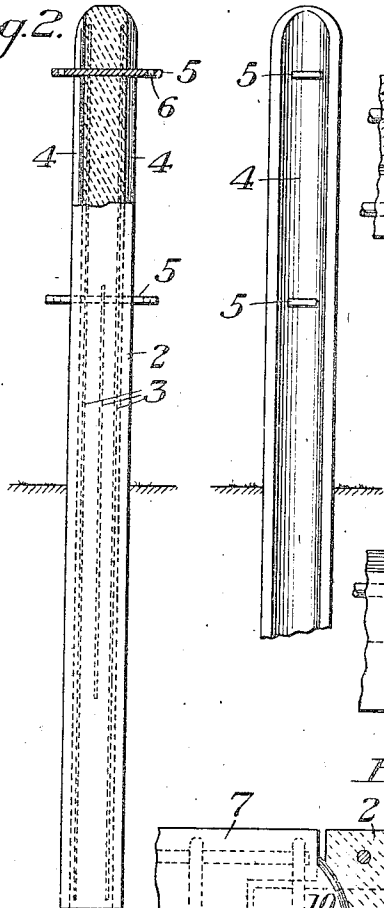
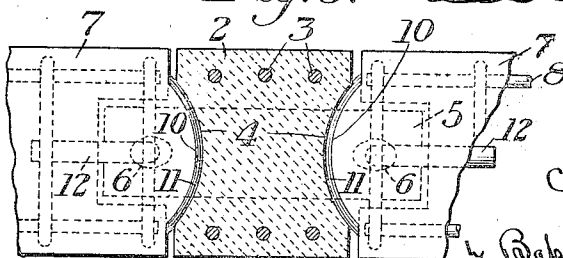


Fig. 5.



WITNESSES

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FENCE.

1,236,048.

Specification of Letters Patent.

Patented Aug. 7, 1917.

Application filed February 15, 1916. Serial No. 78,408.

To all whom it may concern:

Be it known that I, CHARLES F. BUENTE, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Fences, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a portion of a fence constructed in accordance with my invention.

Fig. 2 is a view partly in side elevation and partly in section of one of the posts.

Fig. 3 is an end elevation of a portion of a post.

Fig. 4 is a view, partly in elevation and partly in section, showing the connection between the rails and one of the posts.

Fig. 5 is a section on the line V—V of Fig. 4; and

Figs. 6 and 7 are cross sectional views showing modified forms of posts.

My invention has relation to fences, and while it has been more particularly designed to provide a construction adapted for use as a road guard, it is applicable to fences generally where it is desired to provide for readily changing the angular relations of the rails with respect to the posts. My invention has also been particularly designed in connection with post and rail members made of reinforced concrete.

The nature of my invention will be best understood by reference to the accompanying drawings in which I have shown a preferred embodiment thereof, and which will now be described.

The posts, 2 may be in general of any desired form or construction. They are preferably, however, shaped from concrete with suitable metal reinforcements, such as indicated at 3. The opposite surfaces 4 of each post are formed with longitudinally extending concavities for the purpose hereinafter described. 5 designate rail attaching members, each of which may consist of a piece of metal plate embedded in the concrete body of the post with its end portions extending beyond the concave sides 4 and provided with openings or perforations 6.

The rail members are also preferably formed of shaped concrete-bodies 7 having

metal reinforcements, such as indicated at 8. Each end of each rail is formed with a heel portion 9 which is convex both transversely, as indicated at 10, and vertically, as indicated at 11, and adapted to have bearing contact with one of the concave faces 4. I also preferably form the under side of said heel portion where it rests on the attaching plate 5 with a convexed surface to facilitate vertical angular adjustment of the rail. In the end portion, each rail has embedded a hook member 12 adapted for engagement with a perforation 6 in one of the attachment plates 5. The hook may, if desired, be secured in any suitable way, as by a nut 13.

The post and rail members may be readily formed in a shop or factory and shipped to the place where they are to be used. The rail members can, if desired, all be duplicates, and capable of use either end first. The bearing of the convex heel portions 9 on the concave sides of the post enable the angular position of the rails to be changed either in a vertical or in a horizontal plane, or in both such planes. If desired, a corner post may be employed, such as shown in Fig. 6, having three or more concave faces 14 with as many of the attaching members 15 as may be necessary; or a corner post may be used such as shown in Fig. 7, in which the concave face 16 will permit the rail member at the right hand side to be set at any desired horizontal angle within a range of 90°.

The attaching plates 5 not only provide for positive connection between the rails and post, but they also form supports for the rails. The perforations 6 may be made sufficiently large to allow for the necessary angular adjustment.

It will readily be understood by those familiar with the art that the concavities might be placed in the ends of the rails and the posts may be formed with convex surfaces to seat in said concavities.

Fences can be constructed in accordance with my invention at a relatively low cost and are strong and durable.

My invention is susceptible of many modifications within the scope of the appended claims. Obviously, any desired number of rails, one above another may be employed; such rails, together with the posts, may be

of various designs; and the concavities in the posts which form the bearings for the rail ends, instead of being continuous may be separately provided for each rail. It will also be apparent that the form of attaching plates and hooks may also be changed.

I claim:

1. A concrete fence, comprising posts having concave seats in the sides thereof, the posts having metallic rail attaching and supporting members extending laterally therefrom, said rail members having convex ends arranged to be seated in the concave recesses in the posts, said rail members also having concave portions adapted to engage the attaching and supporting members extending from the posts, and means on the rails for adjustably securing the rails to the supporting members; substantially as described.

2. A concrete fence, having its post and rail members formed with cooperative concave and convex portions whereby the angular positions of the rails with respect to the posts may be varied, some of the posts having approximately horizontal openings therethrough, metallic rail attaching and supporting members supported in said openings and extending laterally from the posts, and means on the rails for adjustably secur-

ing the rails to the supporting members so that the rails may be secured to said supporting members at different angular positions with relation thereto, the arrangement being such that the rails on opposite sides of the posts which are secured thereto, may also be secured at angular positions with relation to each other; substantially as described.

3. A concrete fence, comprising posts having concave seats in the sides thereof, some of said posts having lateral openings extending therethrough, metallic rail securing and supporting members within the openings in the posts and extending laterally from said posts, said rail members having convex ends arranged to be seated in the concave recesses in the posts, said rail members also having convex portions adapted to engage the supporting and attaching members on the posts, and means on the rails for adjustably securing the rails to the supporting members; substantially as described.

In testimony whereof, I have hereunto set my hand.

CHARLES FREDERICK BUENTE.

Witnesses:

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H. M. CORWIN.