

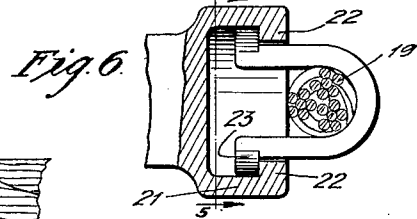
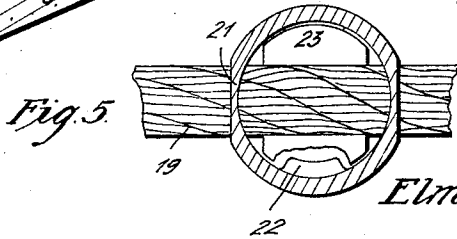
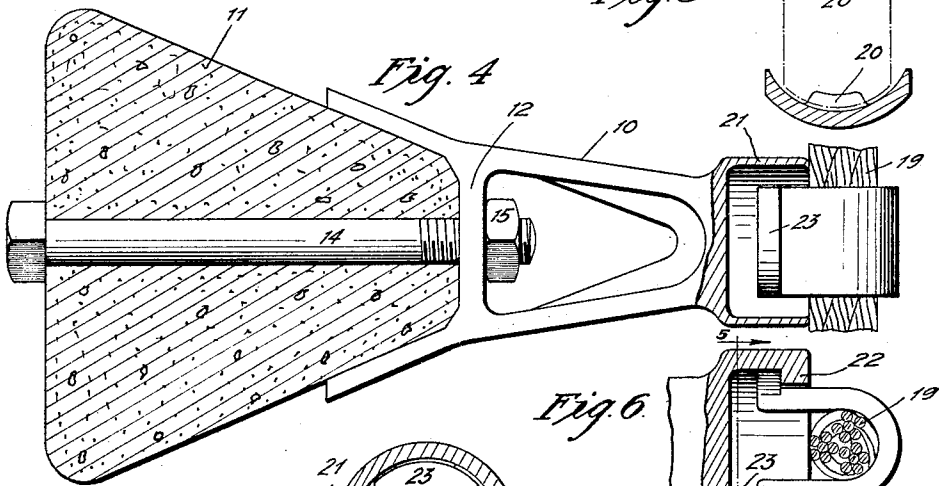
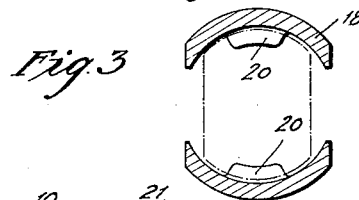
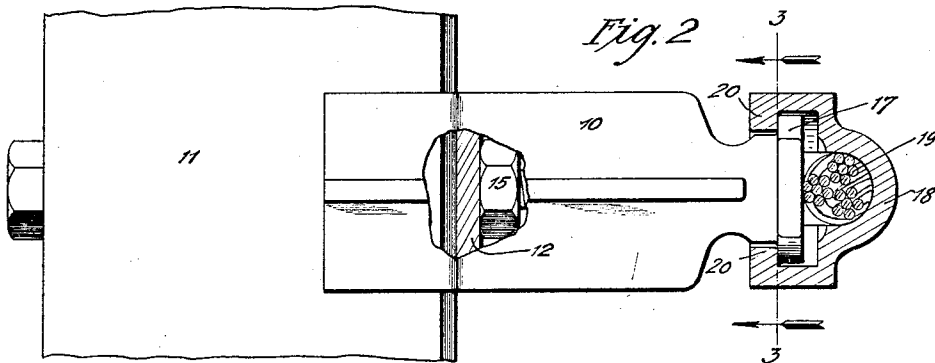
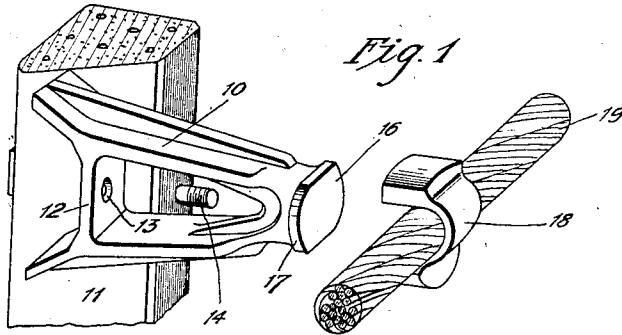
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OFFSET BRACKET FOR GUARD RAILS

Filed Jan. 6, 1932



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UNITED STATES PATENT OFFICE

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OFFSET BRACKET FOR GUARD RAILS

Application filed January 6, 1932. Serial No. 584,958.

The object of our invention is to provide an offset bracket for the kind of guard rails in common use for highway cable guards, which bracket is of simple, durable and inexpensive construction, and may be readily, quickly and easily applied.

More specifically it is our object to provide an offset bracket of this character which may be applied to the fence posts and cables after the cable has been stretched taut along the sides of the posts.

Our invention consists in the construction, arrangement and combination of the various parts of the device, whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in our claims, and illustrated in the accompanying drawing, in which:

Figure 1 shows a perspective view illustrating a portion of a post and a portion of a wire cable and our improved post engaging bracket member and cable supporting bracket members in detached positions.

Figure 2 shows a side elevation partly in section showing a post and cable with our improved bracket device applied thereto.

Figure 3 shows a sectional view on the line 3—3 of Figure 2.

Figure 4 shows a top or plan view of a modified form of our improved bracket applied to a post with a part of the outer end of the post engaging bracket member in section.

Figure 5 shows a sectional view on the line 5—5 of Figure 4; and

Figure 6 is a detail sectional view of the outer end of the bracket member and the cable supporting member taken at right angles to that shown in Figure 4.

Referring to the accompany drawing, we have used the reference numeral 10 to indicate generally the body portion of a post engaging bracket member. At its inner end it is shaped to fit against the front and sides of the post. In the accompanying drawing the post is shown of substantially triangular shape and is indicated by the reference numeral 11, and the adjacent portion of the bracket is shaped to conform to the contour of the post.

The bracket is provided with a cross piece 12 having a bolt opening 13 therein through which a bolt 14 is passed and also extended through the post and is provided with a nut 15 to engage the cross piece to thereby firmly but detachably secure the bracket member to the post.

At the outer end of the bracket member is a flat outer end portion 16 having two outwardly extending lugs 17.

The cable engaging member comprises a substantially U-shaped portion 18 designed to overlap a cable 19 and provided at its inner end with lugs 20, extending toward each other. These parts are so arranged that when the bracket member and cable supporting member are in their positions as shown in Figure 1, the cable supporting member may be moved to position to receive the end 16 of the bracket member, and then when the bracket member is turned a half revolution, the lugs 17 on the bracket member will interlock with the lugs 20 on the cable supporting member, and thus firmly hold the cable supporting member against outward movement away from the bracket, and this cable supporting member is firmly held against such rotation as would be necessary to cause it to become detached from the bracket member by the cable 19.

In the modified form illustrated in Figures 4, 5 and 6, the outer end of the bracket member is formed with an outwardly extending cylindrical portion indicated generally by the numeral 21, and this has at two opposite sides near the outer end two inwardly extending lugs 22. The cable supporting member is substantially U-shaped to receive a cable which will rest upon the outer edge of the cylindrical member 21, and the inner end of this U-shaped member is provided with two outwardly extending lugs 23 to coact with the lugs 22.

In practical use with our invention, the posts may be erected and the cable stretched taut along side the posts before the brackets are installed. Then at each post one of the U-shaped cable supporting members is placed on the cable and then the bracket is mounted in it and turned to position at right angles,

thus locking the two bracket members together. Then the bracket member is placed along side the post with the bolt 14 extending through the opening 13 in the bracket. Then the nut 15 is applied and the bracket firmly held to the post. When in this position the two parts of the bracket cannot be detached so long as one member is secured to the post, and the other member secured to the cable stretched horizontally through it.

Our device is of particular advantage when it is desired to substitute for the ordinary hook bolts now in common use a device in the nature of an extension bracket, for in that case it is only necessary to remove the hook bolts and substitute the bolts 14, and then the parts may be assembled as before described without either removing the post or slacking the tension of the wire, and in case of breakage of a post a new bracket may be readily, quickly and easily substituted without disturbing the tension of the cable or its connection with other posts.

With our improved device the cable may have movement relative to the cable supporting bracket so that the tension of the cable may be adjusted, or in the event of a heavy impact against the cable from one side, it may slide through the adjacent cable supporting brackets.

We claim as our invention:

1. A bracket for cable guard rails comprising an offset bracket member having its inner end shaped to engage the front and side of a post, a bolt extended through it for securing it to a post, the outer end of the bracket member being shaped to engage a cable and being provided with lugs, and a cable supporting member substantially U-shaped to receive a cable and being provided with lugs capable of entering between said lugs of the bracket member and of forming a locking engagement therewith when one of the members is rotated relative to the other.

2. A bracket for cable guard rails comprising a bracket member having its inner end shaped to engage a post, means for securing it to a post, the outer end of the bracket member being shaped to engage a cable and being provided with lugs, and a cable supporting member substantially U-shaped to receive a cable and being provided with lugs capable of entering between said lugs of the bracket member and of forming a locking engagement therewith when one of the members is rotated relative to the other.

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