May 14, 1929. R. DANDLIKER 1,712,752

FENCE POST CLAMP

Filed April 4, 1928

Fig. 1.

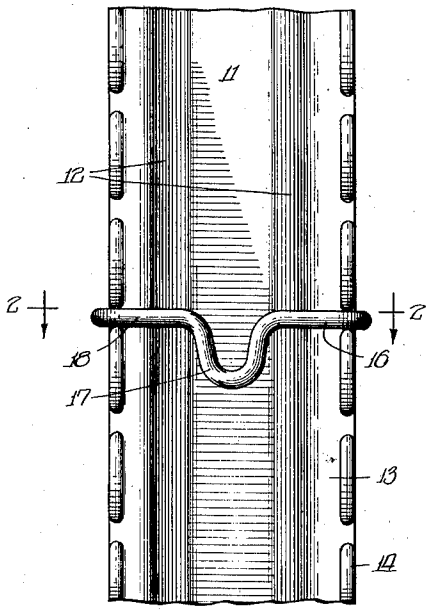


Fig. 4

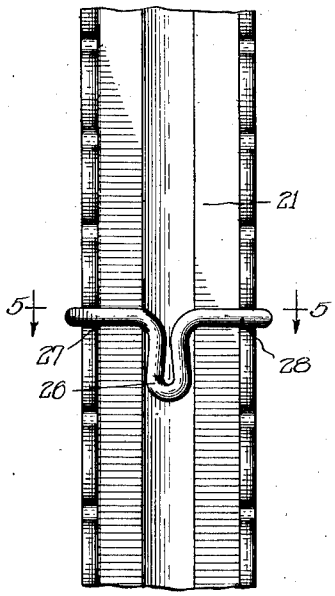


Fig. 2.

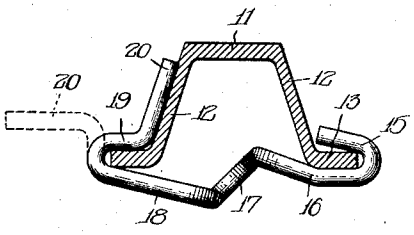


Fig. 5.

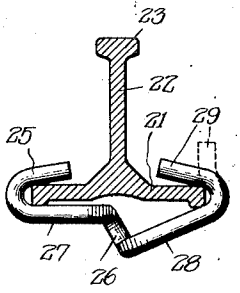


Fig. 3.

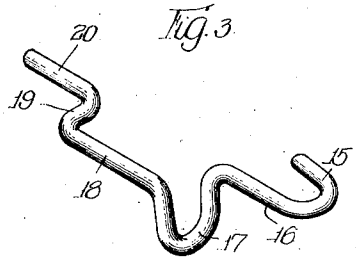
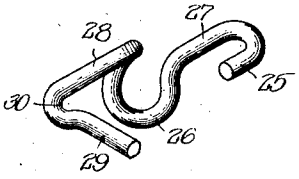


Fig. 6.



Witness:
R. Burkhardt.

Inventor:
Rudolph Dandliker,
By H. Anthony Kline

Patented May 14, 1929. 1,712,752

UNITED STATES PATENT OFFICE.

RUDOLPH DANDLIKER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE AMERICAN STEEL & WIRE COMPANY OF NEW JERSEY, OF CLEVELAND, OHIO, A CORPORATION OF NEW JERSEY.

FENCE-POST CLAMP.

Application filed April 4, 1928. Serial No. 267,383.

This invention relates to a new and improved clip for fence posts and more particularly to a wire securing clip adapted for use with metal fence posts.

With metal fence posts it has been customary to secure the wires to the post by short pieces of wire or clips which are bent around the post. Where straight clips or loops of wire twisted together are used, the wire is held against the post and will not slip freely across the post. While it is desirable to maintain the wire at a predetermined level vertically of the post, in many cases it is desirable to permit the wire to slide freely through the clips transversely of the post. This is particularly desirable, for example, in connection with wires used to support grape vines in vineyards. The weight of the vine and grapes hanging from the wires between the posts may thus cause the wire to slip through the clips and in this manner distribute the load over a number of posts. It is also then possible to take up slack in a long stretch of the wire without putting lateral strain on the post as the wire is tightened.

It is an object of the present invention to provide a wire attaching clip adapted to support the wire at a desired level but to freely permit transverse movement of the wire.

It is a further object to provide a clip of this character which may be readily slipped over the wire and attached to the post.

It is an additional object to provide a clip having a bendable portion adapted to be bent by hammer blows or the like, to bring the clip into firm engagement with the supporting posts.

It is also an object to provide a clip which is simple in design and adapted for commercial production.

Other and further objects will appear as the description proceeds.

I have illustrated in the accompanying drawings certain preferred embodiments of my invention, in which

Figure 1 is a face view of one form of fence post with a clip secured thereto;

Figure 2 is a horizontal section taken on line 2—2 of Figure 1;

Figure 3 is a perspective view of the clip of Figure 1;

Figure 4 is a view similar to Figure 1 but showing a different form of post and a modified form of clip;

Figure 5 is a section taken on line 5—5 of Figure 4; and

Figure 6 is a perspective view of the clips of Figures 4 and 5.

The post shown in Figures 1 and 2 is generally U-shaped in form, having the base portion 11, angularly extending side flanges 12 and laterally extending portions 13. The portions 13 are provided with spaced raised portions 14 between which are located wire receiving notches. The clip shown in Figures 1 to 3 is provided with an end hook portion 15, the transversely extending portion 16, a depending loop portion 17, a further transverse portion 18 and a retaining portion, which, before the application of the clip, is bent substantially at right angles to the portion 18. There is then the end portion 20 which is bent substantially at right angles to the portion 19.

The form of fence post shown in Figures 4 and 5 is T-shaped in construction, having a flat face portion 21, a rearwardly extending flange 22, and a rear bulb 23. The edges 24 of the face portion 21 are serrated to provide clip receiving notches and to prevent movement of the clip vertically of the post. The clip for use with this post has the hook portion 25, the depending loop 26 located between the transverse portions 27 and 28, and the securing portion 29 which is connected to the transverse portion 28 by the short curved portion 30. As shown in Figure 6, the portion 29 is substantially at right angles to the portion 28 before the clip is attached to the post.

In attaching the clip of Figures 1 to 3, the hook portion 15 is hooked around the flange 13 of the fence post at a point between the portions 14 and the clip is forced against the post to bring the portion 19 into engagement with the opposite edge of the post. It will be understood that this is done with the wire passing through the loop 17. The metal of the clip is somewhat resilient and it is so formed that when forced to this position the portion 19 will firmly grip the edge of the post and retain the clip in position. To firmly attach the clip a few blows with a hammer or the like are struck on the end of the portion 20 which is thus forced from the dotted line position of Figure 2 to

the full line position, lying against the angular portion 12 of the fence post. The shoulder between portions 19 and 20 lies against the angle between the portions 12 and 13 of the post.

The form of clip shown in Figures 4 to 6 is attached in a similar manner. In this case, however, the portion 29 of the clip is struck laterally with a hammer instead of upon its end and is forced down against the back of the portion 21 of the fence post.

It will be noted that the clip of Figure 2 is shown as struck from the left when facing the post. This is for the reason that these clips are usually applied to these posts for vineyard purposes by workmen standing behind rather than in front of the post. The form of clip shown in Figure 5 is shown as struck from the right when applying the clip to the post, and extending slightly to the rear of said edge facing the post. Obviously, either clip may be made in reverse form without departing from the spirit of my invention.

The clip with a short bendable attaching end, such as shown in Figure 5, may be used with a post such as shown in Figure 2. It is, however, much more difficult to properly secure it to the post since it is awkward to hammer the short end into the angle between the portions 12 and 13 of the post. With the long attaching portion of Figure 2, blows struck on the end of the clip portion 20 readily swing the whole end of the clip around against the post and cause it to firmly and positively grip the post.

While I have shown two preferred forms of my invention by way of illustration, it is to be understood that I contemplate such further changes and modifications as come within the spirit and scope of the appended claims.

I claim:

1. A wire attaching clip for fence posts, said clip comprising a hook portion adapted to engage an edge of a fence post, a portion including a depending loop adapted to extend across the face of the post, and a shoulder adapted to engage the opposite edge of the post.

2. A wire attaching clip for fence posts, said clip comprising a hook portion adapted to engage an edge of a fence post, a portion including a depending loop adapted to extend across the face of the post, the depending loop being open at the top to receive a wire, and a shoulder adapted to engage the opposite edge of the post.

3. A wire attaching clip for fence posts, said clip comprising a hook portion adapted to engage an edge of a fence post, a portion including a depending loop adapted to extend across the face of the post, the depending loop being twisted into a plane in angular relation to the face of an associated post, and a shoulder adapted to engage the opposite edge of the post.

4. A wire attaching clip for fence posts, said clip comprising a hook portion adapted to engage an edge of a fence post, a portion including a depending loop adapted to extend across the face of the post, the depending loop being twisted into a plane in angular relation to the face of an associated post and being open at the top to receive a wire, and a shoulder adapted to engage the opposite edge of the post.

5. A wire attaching clip for fence posts, said clip comprising a hook portion adapted to engage an edge of a post, a middle portion including a loop extending across the face of the post, a short rearwardly extending section adapted to engage the opposite edge of the post, and extending slightly to the rear of said edge, and an end portion extending away from the post approximately at right angles to the rearwardly extending section.

6. A wire attaching clip for fence posts, said clip comprising a hook portion adapted to engage an edge of a post, a middle portion including a depending loop extending across the face of the post, a short rearwardly extending section adapted to engage the opposite edge of the post, said section being materially longer than the thickness of the post edge, and an end portion extending away from the post approximately at right angles to the rearwardly extending section.

Signed at Chicago, Illinois, this 31st day of March, 1928.

RUDOLPH DANDLIKER.