Jan. 9, 1951 O. W. TUEPKER 2,537,719

INSULATOR AND SUPPORT FOR ELECTRICALLY CHARGED FENCE WIRES

Filed Oct. 27, 1948

Fig. 1.

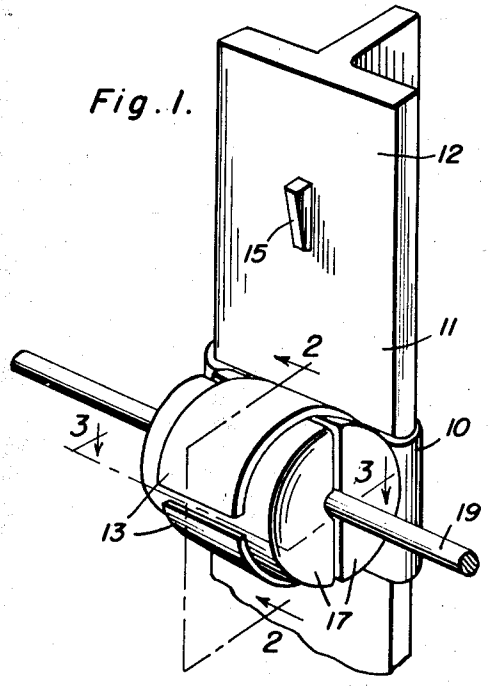


Fig. 2.

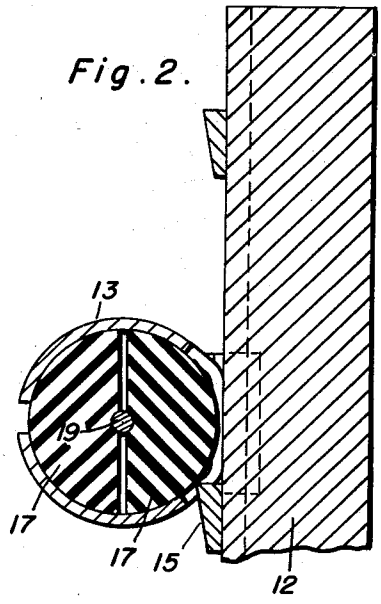


Fig. 3.

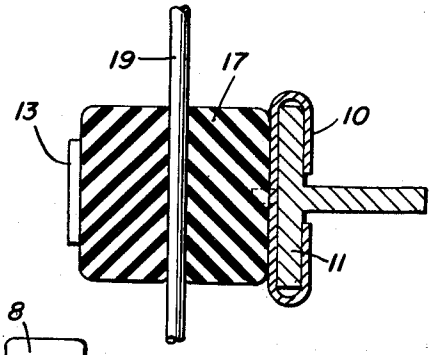


Fig. 4.

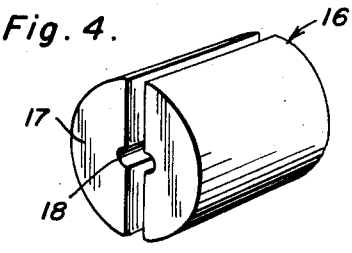
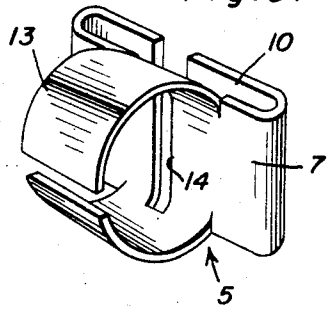


Fig. 5.



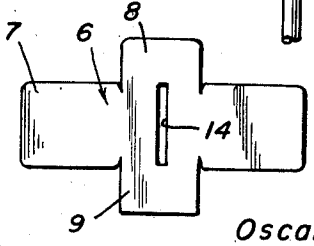


Fig. 6.

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INSULATOR AND SUPPORT FOR ELECTRICALLY CHARGED FENCE WIRES

Oscar W. Tuepker, Hubbell, Nebr.

Application October 27, 1948, Serial No. 56,788

2 Claims. (Cl. 174—45)

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The present invention relates to new and useful improvements in insulators and supports for electrically charged fence wires.

An important object of the invention is to provide means whereby electric wires may be easily and quickly connected and supported on metal fence posts in such a manner as to avoid all danger of short circuiting to the posts.

A further object of the invention is to provide an insulator supporting bracket or clip which effectively holds the insulator at one side of a metal fence post and which may be adjusted vertically to a desired position on the post.

A further object of the invention is to provide an insulator and support for electrically charged fence wires embodying means for securing the support on a fence post and in securing the insulator in the support without requiring the use of tools of any character.

Another object is to provide a device of this character of simple and practical construction, which is strong and durable, efficient and reliable in use, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view showing the insulator and support attached to a fence post;

Figure 2 is a vertical sectional view taken substantially on a line 2—2 of Figure 1;

Figure 3 is a transverse sectional view taken on a line 3—3 of Figure 1;

Figure 4 is a perspective view of the insulator;

Figure 5 is a similar view of the supporting bracket or clip for the insulator, and

Figure 6 is a plan view of the metal blank from which the supporting bracket or clip is formed.

Referring now to the drawing in detail wherein for the purpose of illustration, I have disclosed a preferred embodiment of the invention the numeral 5 designates generally an insulator supporting bracket or clip and which is formed from a metal stamping or blank 6 of a cross shape design to provide a pair of horizontal tongues or clamping fingers 7 and upper and lower clamping tongues or fingers 8 and 9 respectively, said tongues or fingers being formed of resilient material.

The horizontal tongues or fingers 7 are bent rearwardly and inwardly to form a pair of opposed clips 10 for engagement behind the flanges 11 of a T-metal fence post 12. The upper tongue or finger 8 is curved forwardly and downwardly and the lower tongue or finger 9 is curved forwardly and upwardly to provide a split resilient clamping band 13 which projects forwardly from the bracket or clip 5.

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The central portion of the metal blank or stamping 6 is formed with a vertical slot 14 to receive one of the forwardly projecting lugs 15 carried by the fence post 12 whereby to support the bracket or clip 5 in a desired vertically adjusted position on the post.

The insulator is designated generally at 16 and comprises a pair of semi-cylindrical sections 17 having their opposed surfaces formed with opposed longitudinally extending grooves 18 in which the electric wire 19 is received.

After the bracket or clip 5 has been placed in a desired adjusted position on the fence post 12 the sections 17 of the insulator are placed at opposite sides of the wire 19 with the wire seated in the grooves 18 and the insulator 16 then inserted in one end of the split clamp 13, the resiliency of the tongues or fingers 8 and 9 of the split clamp frictionally holding the insulator tightly in the clamp 13 of the bracket.

After the insulator 16 has been placed in position the rear surface thereof rests on the lug 15 as shown in Figure 2 of the drawing to thus hold the device from downward movement on the post.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to cetrain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. An insulator support comprising a metal stamping having a pair of horizontal tongues projecting outwardly from opposite sides of the stamping, upper and lower tongues at the center of the stamping, rearwardly bent clips on the horizontal tongues for attaching to a fence post, and said upper tongue being curved forwardly and downwardly, and said lower tongue being curved forwardly and upwardly to form a re-

silient split collar for frictionally holding an insulator therein.

2. The combination with a metal fence post having a lug, of an insulator support comprising a bracket constructed of sheet metal and including a central body portion having a vertical slot, a pair of opposed clips at the sides of the body portion, and a pair of arcuate tongues at the upper and lower edges respectively of the body portion and curved toward each other, said clips engaging the side edges of the fence post with the lug received in said slot, and said tongues frictionally holding an insulator.

OSCAR W. TUEPKER.

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