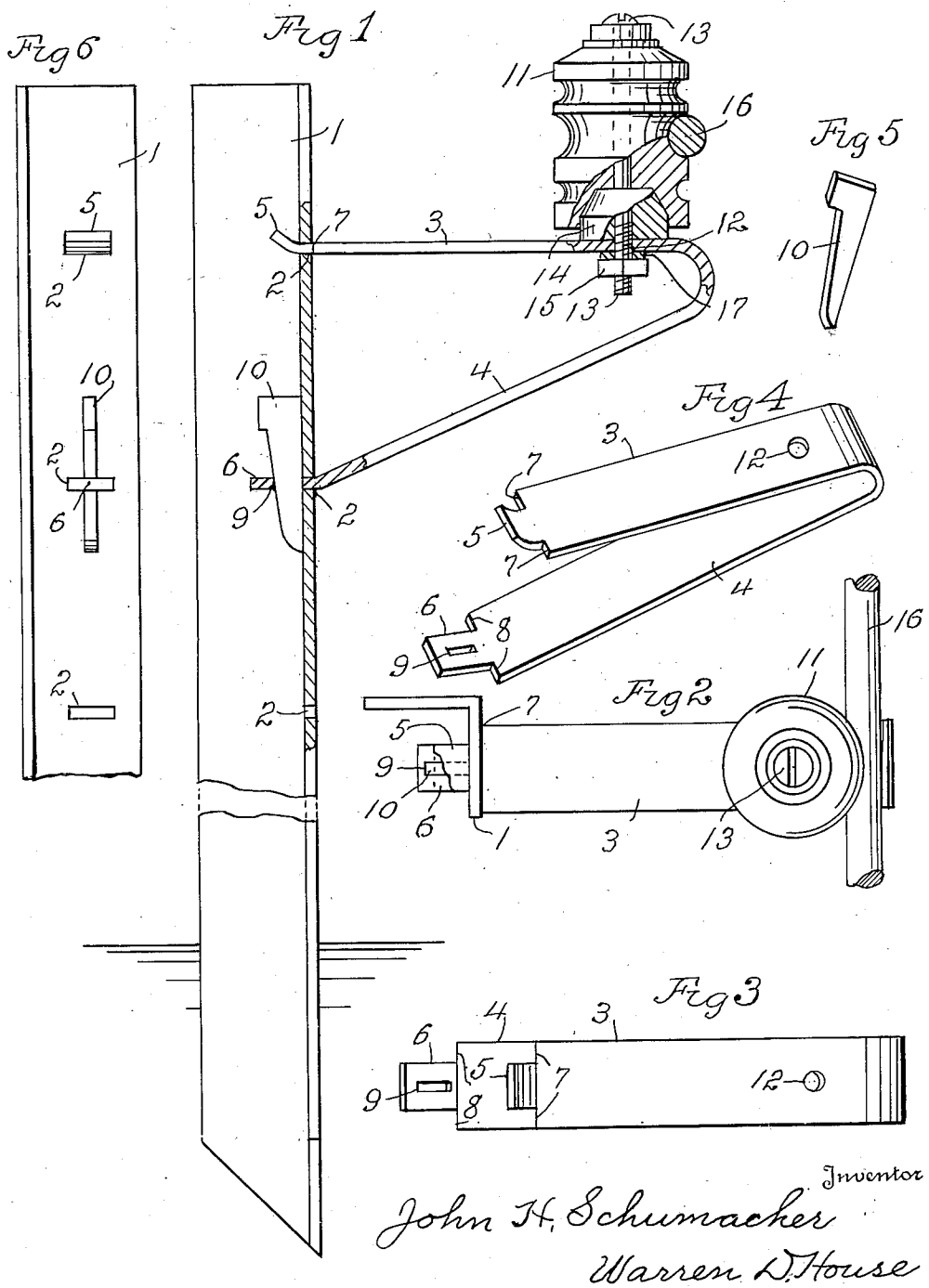
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INSULATOR MOUNTING

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INSULATOR MOUNTING

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1 Claim. (Cl. 248—205)

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My invention relates to improvements in electric fences employed for enclosures and to prevent the passage therethrough of livestock.

It relates particularly to the manner of supporting insulated electric conductors on the fence posts.

One of the objects of my invention is to provide a novel insulator supporting bracket having novel means for attaching it to a fence post.

A further object of my invention is the provision of a novel insulator supporting bracket, adapted for attaching to a fence post, which bracket is simple, cheap to make, easily installed in its operative position, strong, durable, not likely to get out of order, and which is efficient in operation.

The novel features of my invention are hereinafter fully described and claimed.

In the accompanying drawing, which illustrates a preferred form of my improved bracket,

Fig. 1 is a side view, partly in elevation and partly in vertical section of my improved bracket shown mounted in operative position on a usual fence post which is embedded at its lower end in the ground.

Fig. 2 is a top view of what is shown in Fig. 1.

Fig. 3 is a top view of the bracket.

Fig. 4 is a perspective view of the bracket.

Fig. 5 is a perspective view of the locking wedge.

Fig. 6 is an elevation of the upper portion of a fence post having the bracket affixed thereto, the insulator being omitted.

Similar characters of reference designate similar parts in the different views.

1 designates the usual fence post comprising two longitudinal flanges at right angles to each other, and sharpened at their lower ends. One of the flanges is provided with transverse holes comprising horizontal slots 2 spaced one above the other at equal distances apart.

In its preferred form, my improved bracket consists of a strip of flat metal formed into a horizontal arm 3 from which downwardly diverges an inclined lower arm 4.

The ends of the arms 3 and 4 terminate in two narrowed tongues 5 and 6 that are inserted respectively through two of the holes 2. At the inner ends of the tongues 5 and 6, the arms 3 and 4 have shouldered portions 7 and 8 which bear against one side of the post flange having in it the holes or slots 2 next adjacent to each other.

The lower tongue 6 extends at right angles to the post 1 at the outer side thereof, or the side against which bear the shoulders 7 and 8. The

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said lower tongue 6 has through it a longitudinal slot 9 in which is adapted to be downwardly driven a removable wedge 10 the converging edges of which respectively bear against the inner side of the post and the outer end of the slot 9. This wedge 10 holds the shoulders 8 against the post 1.

The upper tongue 5 is inclined upwardly from the inner side of the post, so as to hold the shouldered portions 7 against the post 1 when the wedge 10 is driven to its holding position, as shown.

For supporting a usual porcelain insulator 11 on the upper side of the upper arm 3, the latter has through it, near its outer end, a hole 12 through which extends a vertical bolt 13, which extends through a wooden insulator supporting member 14 and through the insulator 11. The threaded lower end of the bolt 13 has on it a securing nut 15 which bears against the under side of the arm 3.

An electric conductor 16 may be wired to the insulator 11, as shown in Figs. 1 and 2.

Washer 17 is disposed between the nut 15 and the arm 3.

In assembling the parts, the insulator 11, mouned on the bolt 13, is fitted at its lower end on the wooden member 14, which is cylindrical at its lower end and tapering at its upper end. The bolt 13 is then inserted downwardly through the hole 12 with the lower end of the wooden member 14 resting on the arm 3. The nut 15 and washer 17 are then fitted on the lower end of the bolt 13, and the nut tightened with the washer 17 bearing against the under side of the arm 3.

The tongue 5 is then inserted through a selected hole 2 in the post 1, with the shoulders 7 bearing against the outer side of the post. The bracket is then swung downwardly and the tongue 6 inserted through the hole 2 next below until the shoulders 8 bear against the outer side of the post 1. The wedge 10 is then inserted through the slot 9, with its converging edges bearing respectively against the inner side of the post 1 and the outer end of the slot 9, as shown in Figs. 1, 2 and 6, thus securely fastening the bracket to the post, with the insulator 11 mounted thereon in its operative position, ready for the attachment thereto, as by wiring, of the electric conductor 16. The conductor 16, when charged, prevents live stock from passing between the posts, and forms with the brackets 3—4 and posts 1 an electric guarded fence for enclosures.

As many conductors 16 and supporting brackets may be mounted on the posts, as may be needed or desired for effecting the purpose in view.

Many modifications of my invention, within the scope of the appended claim, may be made without departing from the spirit of my invention.

What I claim is:

In an electric fence, employing a post having therethrough a plurality of transverse holes, one above the other, in combination, a bracket having a horizontal upper arm and a lower arm diverging downwardly therefrom, said arms having at their ends two tongues adapted to be extended respectively through two of said holes, said arms having adjacent said tongues shouldered portions adapted to bear against one side of said post, the lower tongue having a longitudinal slot at the opposite side of said post, a releasable wedge extending through said slot with its converging edges adapted to fit respectively against said post and against the outer end of said slot, so as to hold the adjacent shouldered portion against said post, the other tongue inclining from the horizontal so as to hold the adjacent shouldered portion so as to be adapted to bear against said post, and means adapted to attach an electric conductor supporting insulator to said upper arm.

JOHN H. SCHUMACHER.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
5,889	Livingston et al.	Oct. 31, 1848
674,663	Baran	May 21, 1901
1,766,254	Kearney	June 24, 1930
2,163,954	Lucas	June 27, 1939