Feb. 26, 1929.

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J. B. GETZ

FENCE STRUCTURE

Filed April 11, 1928

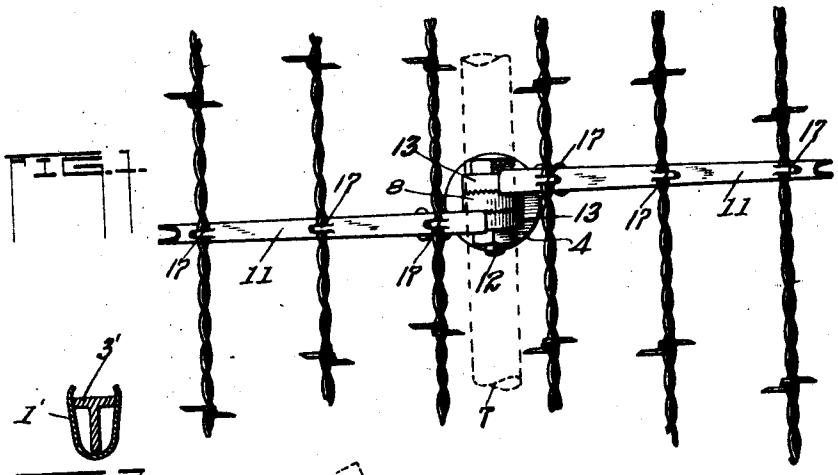


FIG. 1.

FIG. 7.

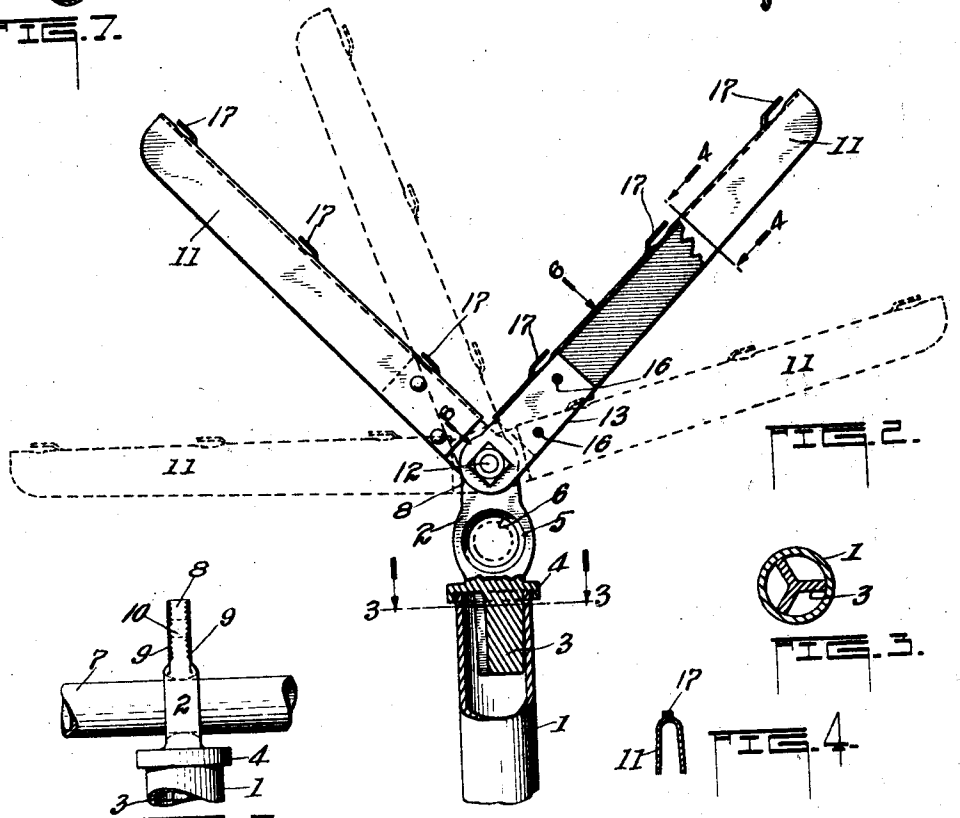


FIG. 2.

FIG. 3.

FIG. 4.

FIG. 5.

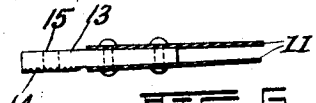


FIG. 6.

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UNITED STATES PATENT OFFICE.

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FENCE STRUCTURE.

Application filed April 11, 1928. Serial No. 269,071.

This invention has reference to fence structures adapted for use in connection with fencing, particularly of the industrial type.

The invention has for its principal object to provide a fence structure adapted for placement and securement with fence posts in a stretch or line of fencing, such structure including adjustably secured top arms adapted for supporting one or more wire strands, such as barb wire, at desired inclinations, the strands of wire provided for protective purposes, such as preventing climbing over the line of fencing and intrusion of the fenced property.

The invention has for a further object to provide a fence structure including a casting member provided with a flanged water shed for preventing the entrance of moisture and extraneous matter into a fence post, said member having a depending tapered extension adapted for wedge connection in the upper end of said fence post and having a portion with an opening therethrough for the insertion of a top rail or line pipe, also, oppositely disposed milled surfaces for adjustably and pivotally securing thereto top arms adapted to extend forwardly therefrom at different desired inclinations, said top arms adapted to hold and suspend one or more strands of wire, such as barb wire, for purposes hereinabove referred to.

That the invention may be more fully understood, reference is had to the accompanying drawing forming a part of this description and illustrating a preferred embodiment of the invention, in which:—

Fig. 1 is a top view of my improved fence structure showing the top arms holding several strands of wire, such as barb wire, the top rail or line pipe shown in dotted lines;

Fig. 2 is a side view in elevation, partly in section, showing the top arms in inclined adjusted positions in full lines, and at different adjusted positions in dotted lines; also a sectional view of the lower end of the casting member showing the water shed and the tapered wedge connection of the member with the upper end of a fence post; also a sectional view of the construction of one of the top arms;

Fig. 3 is a sectional view, as the same would appear if taken on the line 3—3 Fig. 2;

Fig. 4 is a sectional view, as the same would appear if taken on the line 4—4 Fig. 2;

Fig. 5 is a front view in elevation of the casting member showing a top rail or line pipes inserted therethrough and with the top arms disconnected therefrom disclosing the oppositely disposed milled surfaces to which the securement and adjustment the top arms are made, the fence post to which the casting member is applied being broken away;

Fig. 6 is a partial sectional view of one of the top arms showing its construction, as the same would appear if taken on the line 6—6 Fig. 2, and

Fig. 7 is a cross section in plan somewhat similar to Fig. 3, except that the post instead of being tubular is U shape and the tapered extension of the casting is modified in cross section as will appear.

Like characters of reference denote corresponding parts throughout the figures.

Reference being had to the drawing, 1 and 1′ designate respectively, the upper ends of a tubular and U shape type fence post upon and between which fencing of any desired type is adapted to be supported and stretched in the usual manner, the fencing, however, not being shown. 2 designates my improved casting member, see Figs. 2 and 5, said casting having an integrally depending tapered extension 3 and 3′ which is adapted to fit within the top of a tubular and U shape type fence post 1 and 1′ and to have a wedge tight fit therewith, see Figs. 2, 3 and 7. Said extension 3, see Figs. 2 and 3, is shown constructed for use in connection with a tubular fence post of a Y shaped member, whereas when said casting is to be used in connection with a U shape post, said extension 3′ is constructed of a T shaped member, both types, however, having three post engaging surfaces which is believed will be understood. A flanged water shed 4 is formed in the casting member 2 for the purpose of preventing moisture and other extraneous matter from entering or gaining access to the inside of the tubular fence post when the casting member is fit onto said post, which is believed will be understood. The casting 2 is further provided with a centrally disposed portion 5 having an opening 6 therethrough for the insertion of a top rail or line pipe 7, see Fig. 5, thus providing a simple and efficient means to support said top rail. The casting is further provided with an upstanding member 8, the oppositely disposed surfaces of which being milled or cut, as at 9, to provide a toothed fitting for the top arms to be described, the central portion of said

fitting being provided with a bolt opening 10, see Fig. 5.

Top wire supporting arms 11, see Figs. 1 and 2, are provided and adapted to have a pivotal and adjustable connection with the upstanding member 8 of the casting member 2, and are secured by means of a bolt 12. Said arms 11 include stub arms 13, see Fig. 6, and are provided with milled or cut faces 14 for complementary engagement with the milled or cut faces 9 of the upstanding member 8 of the casting member 2, said stub arms provided with a bolt opening 15 for the insertion of the bolt 12. The top arms 11 are preferably formed of galvanized pressed metal and are secured to the stub arms 13 by means of bolts or rivets 16, the sheet metal arms 11 pressed or shaped preferably in inverted U shape, see Fig. 4, the top marginal edges thereof being provided with suitably disposed and spaced tongues or clips 17 struck up from the body of the arm which provide fasteners for protective strands of wire, such as barbed wire, see Fig. 1.

It will appear obvious that with a fence structure of this character, that the arms 11 may be adjusted in use either in the full line position as shown, or in either of the dotted line positions, as suggested in Fig. 2, thus enabling the user of my improved fence structure to adjust either one or both of the arms 11 at any desired angle or inclination as may be required by the occasion. Further, the wedge fitting 3 and 3′ of the casting 2 enabling the fence structure to be applied and fit within a fence post of the tubular or U shape type to an almost permanent degree by reason of such wedge tight fit, thereby eliminating any chance of the structure becoming loose and disconnected.

What I claim is:—

1. A fence structure including a post, a combined top rail and top arm connection for said post comprising a casting having a tapered extension for wedge connection in the upper end of said post and having a portion with an opening therethrough for the top rail and also oppositely disposed milled surfaces for adjustably securing top arms to said casting.

2. A fence structure including a post, a combined top rail and top arm connection for said post comprising a casting having a tapered extension for wedge connection in the upper end of said post and having a portion with an opening therethrough for the top rail and also oppositely disposed milled surfaces, a pair of stub arms having milled faces for complementary engagement with the milled surfaces on said casting, means to pivotally connect and secure said stub arms at different inclinations from said casting, and top arms secured to and extending forwardly from said stub arms and having a plurality of wire holding clips.

3. A fence structure including a post, a combined top rail and top arm connection for said post comprising a casting having a flanged water shed and tapered extension for wedge connection in the upper end of said post and having a portion with an opening therethrough for the top rail and also oppositely disposed milled surfaces for adjustably securing top arms to said casting.

4. A fence structure including a post, a combined top rail and top arm connection for said post comprising a casting having a flanged water shed and tapered extension for wedge connection in the upper end of said post and having a portion with an opening therethrough for the top rail and also oppositely disposed milled surfaces, a pair of stub arms having milled faces for complementary engagement with the milled surfaces on said casting, means to pivotally connect and secure said stub arms at different inclinations from said casting, and top arms secured to and extending forwardly from said stub arms and having a plurality of wire holding clips.

In witness whereof, I have hereunto affixed my hand this 24th day of March, 1928.

JOHN B. GETZ.