This invention relates to fence post arms and has for an object the provision of a simple inexpensive and expeditiously applied device for the purpose.

Another object is to provide a fence post arm and mounting which does not require the alteration of or cutting through of metal fence posts to which devices of the invention are applied.

Another object is to provide a device of this kind which may be readily applied to either side of a fence post of T-shaped cross section commonly used. These and other objects are attained by the means described herein and disclosed in the accompanying drawings, in which:

Fig. 1 is a view taken on line 1—1 of Fig. 2.
Fig. 2 is a fragmental elevational view of the structure shown in Fig. 1 showing the device positioned for mounting a fence post arm on the table side of a T-shaped post.
Fig. 3 is a top plan view of a clamp arm forming a detail of the invention.
Fig. 4 is a view taken on line 4—4 of Fig. 3.
Fig. 5 is an end view of the same taken on line 5—5 of Fig. 4.
Fig. 6 is a fragmental elevational view of a T-shaped fence post having the device of the invention mounted oppositely to the position shown in Fig. 1.
Fig. 7 is a cross sectional view on line 7—7 of Fig. 6.

The fence post arms of the invention are commonly applied to the posts carrying wire fences and are adapted to extend upwardly or downwardly at an angle thereto from either the upper portion or the lower portion of the post. Barbed wire or other guard wires are strung along such arms and serve various purposes. In industrial inclosures fences comprising T-shaped posts and wire fencing have these arms attached adjacent the top of the posts and extending diagonally upwardly and serve effectively to preclude intruders and intruders from climbing over the fences. A somewhat similar structure may also be used in connection with pastures, corrals and the like in order to prevent the stock from attempting to jump over the fence and to prevent them from bearing down on the fence with their heads and thus causing disarrangement, twisting and a resultant slack and disorderly appearance of the fence.

The arms may also be mounted adjacent the bottom of the fence and extended diagonally to the ground with suitable wire stretched along the arms in order to keep stock such as hogs from routing adjacent the foundation of the fence, to preclude them from forcing the bottom of the wire fencing upwardly. Heretofore this fence post arm and barbed wire structure has been attached to a fence with considerable labor and no small expense by utilizing metallic arms which were attached to the posts through perforations in the arms and perforations especially formed in the posts. This procedure also required considerable care in order to properly align the arms horizontally.

The present invention provides a simple arm and clamp structure which is readily attachable to either side of a T-post and which may also be used on other forms of metallic fence posts. The device comprises a pair of similar clamp members indicated generally as at 10 and comprising an arm 11 having a suitable aperture 12 therein adjacent one end, the other end having a transversely extending shoulder 13 from which extends a bracket 14 parallel with the arm 11. The bracket 14 has a rivet receiving perforation 15 therein. The shoulder portion 13 has a lug 16 thereon extending outwardly beyond the outer face of bracket 14, this lug being cut away to provide a protruding boss 17 which extends away from the bracket 14 and in the general direction thereof. A pair of these brackets 10 are arranged in opposed relation as shown in Figs. 1 and 7 and have a metallic arm 18 inserted between the brackets 14 and mounted in position by a rivet 19 which holds the arm and brackets together. The end 20 of the arm 18 which is received between the brackets 14 is cut off at a suitable angle so that said face 20 abuts along the shoulders 21 provided by the backs of the bosses 16 so that when the mounting clamp is disposed in a horizontal position upon a post the arm 18 will extend at a predetermined angle from the post in an upwardly or downwardly di-
rection as desire. The space between the arms 11 is such as to receive between them the width of the table portion 22 of a fence post. The distance between the front faces 23 of shoulders 13 and the apertures 12 in arms 11 is sufficient to snugly receive the combined width of the leg 24 of the fence post and the thickness of the table 22. The aperture 12 may be conveniently made square so as to receive the usual squared shank portion adjacent the head 25 of a bolt 26 to hold the bolt against turning when nut 27 is applied and tightened. The edge of the leg 24 of the fence post is herein shown as having a series of spaced depressions 28. The Shank 26 of the bolt may conveniently seat in one of said depressions 28 although it is to be understood that such depressions are not essential to the effective mounting of the clamp on the post.

As shown in Figs. 6 and 7 the shank 26 of the bolt contacts the face of the table 22 and the bosses 17 on lugs 16 seat in one of the depressions 28 on the edge of the leg 24. It will be understood that the boss 17 may be omitted if desired although its presence does not render the clamping member ineffective on a straight-edged leg of a fence post. This provision is made solely for the purpose of accommodating the clamp to all kinds of fence posts. The arm 18 may be of any suitable length and has a plurality of suitably spaced perforations 29 therein for receiving guard wires, not shown.

The assembly of the device for sale consists solely in bringing together a pair of the clamp members and interposing an arm and the subsequent clinching of the rivet 19. The devices are then ready for use.

The assembly of the fence post arms on the fence post requires only the passing of arms 11 about opposite sides thereof to extend the perforations 12 beyond either the leg or the table of the post, as the case may be, and the subsequent insertion of the bolt and tightening of the nut thereon. Thus the only tool required by the user is a wrench.

What is claimed is:

1. A removable fence post arm construction comprising a pair of L-shaped members for passing about a T-shaped post, perforated brackets on the L-shaped member, an arm permanently and non-adjustably secured between the brackets, the L-shaped members being adapted for abutment with one side of a post and having perforations in their opposite ends for the reception of a bolt whereby to clamp the L-shaped members to the other side of such post.

2. A demountable fence post arm structure comprising an arm having a flat abutting end portion arranged to abut a stationary part and to thereby preclude relative movement in a vertical plane, a pair of L-shaped clamp members attached to the arm for receiving a post in abutment therewith and securing means extending through said L-shaped members.

3. In a device of the class described the combination with a fence post, of an arm having a tapered end, a pair of L-shaped members having brackets extending therefrom, means for securing the arm between the brackets with the tapered end abutting one of the L-shaped members, and a removable bolt for effecting connection between the arms.

4. The combination with a notched T-shaped fence post, of an arm having an inclined end, a pair of L-shaped members, brackets on said members, lugs on said members interposed between the brackets, the arm being secured between the brackets with its inclined end abutting the lugs, said lugs being further arranged in relation to the L-shaped arms for selective abutment with the table and with the notched leg of said T-shaped fence post and removable means, extending through the arms for embracing the opposite side of the post whereby the arm is mounted in inclined relation to the post.

5. In combination a pair of similar L-shaped members comprising arms and brackets, lugs extending from said brackets, said brackets being disposed in offset parallel relation to the arms, a fence post arm disposed between the brackets at an angle to the post and having its end abutting the lugs to preserve the angle of inclination of the arm, and means for effecting a removable connection between the ends of the arms.

6. In combination a fence post arm, a pair of L-shaped members secured on opposite sides of the arm and having offset perforate portions extending therefrom for receiving between them a notched fence post, an inwardly slidable pair of said members for engaging a notch of the fence post, and means for clamping the L-shaped members upon the fence post.

7. The combination with a T-shaped fence post having a table portion and a serrated-leg portion, of a pair of L-shaped clamp members comprising arms spaced for receiving the width of the fence post table between them, brackets on the clamp members, a fence post arm secured between the brackets, lugs on said clamp members for spacing the brackets and for seating in the serrations in the fence post leg, and a bolt member extending through the spaced arms for connecting said arms and for abutment with the table of the fence post.

8. As a new article of manufacture the combination of a perforate arm member having an end cut on a bias, a pair of similar bracket members disposed one each on opposite sides of the arm adjacent said biased end, rivet means passing through the bracket members and arm for loosely mounting said parts in the relation named, said bracket
members having offset spaced perforate members extending away from the arm and a removable compression means for drawing the free ends of said bracket members together for clamping them about a post.

9. In a fence post clamp the combination of a pair of similar body members each having a pair of parallel portions extending in opposite directions, coinciding lugs on adjacent faces of one of the portions of each member, a perforate member extending between said last mentioned portions, pivot means retaining the parts in the relation named, the lugs serving to limit pivotal movement of the parts, the remaining portions of said body members being offset and parallel for receiving a post between them and means to draw the ends of said remaining portions together for clamping about a post.

In testimony whereof, I have hereunto subscribed my name this 30th day of November, 1928. EDWARD J. PAQUE.