J. G. DAMMANN.

FENCE WIRE HANGER AND FENCEPOST.

APPLICATION FILED MAY 15, 1920.

1,360,375. Patented Nov. 30, 1920.

Fig. 1.

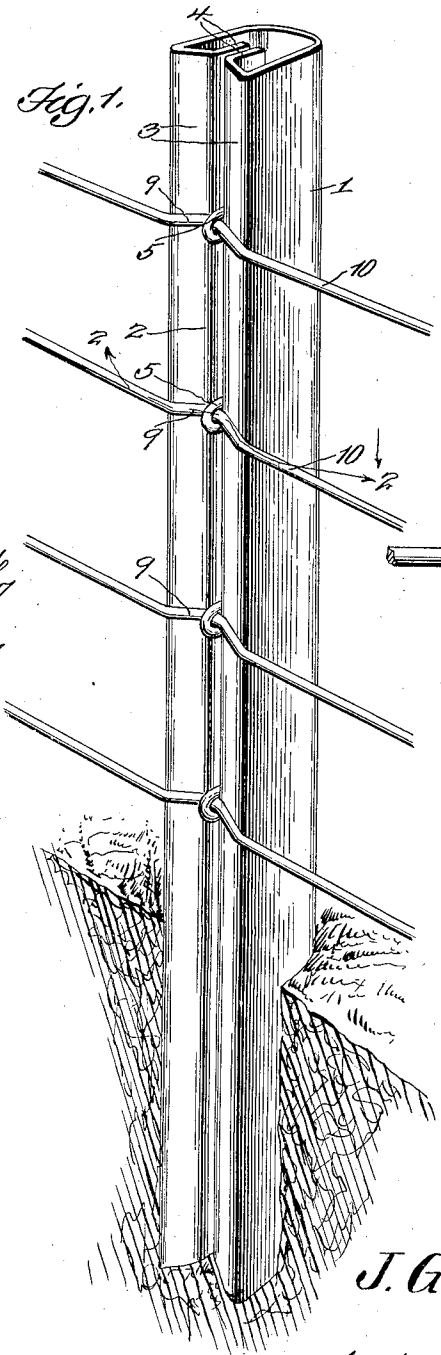


Fig. 2.

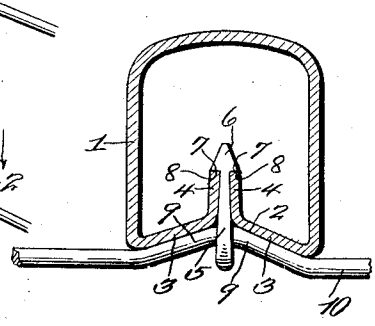
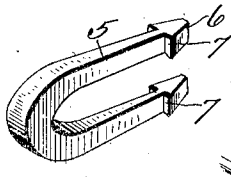


Fig. 3.



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FENCE-WIRE HANGER AND FENCEPOST.

1,360,375. Specification of Letters Patent. Patented Nov. 30, 1920.

Application filed May 15, 1920. Serial No. 381,607.

To all whom it may concern:

Be it known that I, JURGEN G. DAMMANN, a citizen of the United States, residing at Ottawa, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Fence-Wire Hangers and Fenceposts, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to an improved fence wire hanger and fence post, and an object is to provide a device of this kind comprising a member having wedged ends having means to force between opposite yieldable parts of the fence post and additional means for anchoring the member to the post after it is wedged between the yieldable parts, thereby connecting the fence wire detachably to the post.

Another object is the provision of a novel form of metallic hollow post having opposite yieldable parts or flanges to receive the anchor, the edges of the flanges being adapted to spread apart to permit the anchor to enter, the edges of the yieldable parts being engaged by shoulders of the member to hold the member in place.

Still another object is the provision of a novel device of this kind which is capable of being very cheaply made and sold at a reasonable profit.

A further object consists in the provision of a hollow post having a counter-sunk longitudinal face having separable parts, and into which countersunk face (which extends vertically of the post) the fence wire engages, assisting materially in preventing the wire from slipping, it being the aim that the anchoring member is adapted to be forced to cause the fence wire to conform to the concavity or countersunk face of the post.

While the design and construction at present illustrated and set forth is deemed preferable, it is obvious that as a result of a reduction of the invention to a more practical form for commercial purposes, the invention may be susceptible to changes, and the right to these changes is claimed, provided they are comprehended within the scope of what is claimed.

The invention comprises further features and combination of parts, as will be hereinafter set forth, shown in the drawings and claimed.

In the drawings:—

Figure 1 is a view in perspective of a hollow metallic fence post constructed in accordance with the invention, showing the opposite yieldable parts and illustrating several fence wires connected to the post by the improved anchor.

Fig. 2 is a cross sectional view through the post on line 2—2 of Fig. 1; and

Fig. 3 is an enlarged detail view of the anchoring member or staple.

Referring to the drawings, 1 designates a hollow metallic fence post, which may be any suitable length, and any suitable shape or configuration in cross section, preferably as shown. This post may be constructed of one piece of metal adapted to be forced through a forming or billet machine, so as to shape the post as desired in cross section.

In shaping the post it is the aim to provide the post with a countersunk face 2 which extends vertically of the post. This countersunk face comprises the inwardly sloping flanges 3 which incline toward each other, which terminate in the parallel flanges 4. The flanges 3 are yieldable and their normal relative positions are such that the flanges 4 when not separated by the anchoring member, are disposed closer together than the thickness of the arms of the anchoring member so that when the anchoring member 5 is inserted between the flanges 4, the flanges 3 will yield thereby causing the flanges 4 to clamp against the arms of the anchoring member and hold the same in position. The fence wire when the anchoring member is inserted between the flanges 4 is forced to assume an arcuate shape in conformity to the contour of the countersunk face of the post. This arcuate shape of the fence wire engaging the longitudinal countersunk face of the post acts to prevent longitudinal movement of the fence wire in a direction transversely of the post.

The anchoring member 5 is preferably in the form of a staple as shown in the detail view though not necessarily, for it can be otherwise shaped and is adapted to straddle the arcuate shape of the fence wire. The arms of the anchoring member are of such size as to engage between the flanges 4 and cause them to slightly separate, as the flanges are arranged normally closer together than the thickness of the arms of the anchor. The arcuate arch of the staple

or anchor is tapered transversely so as to act as means to limit the staple or anchor in its insertion between the flanges. The extremities of the arms terminate in V-shaped ends 6 which act to force themselves between the flanges 4 of the post, whereby the shoulders 7 adjacent the V-shaped ends 6 may lie behind and engage the edges 8 of the flanges 4, and coöperate with the enlarged or V-shaped arcuate arch to prevent movement of the anchor. It will be noted that when the anchor or staple is inserted between the flanges of the post as shown clearly in the drawings the arcuate shape 9 of the fence wire 10 will be held securely in the countersunk face of the fence post and in such wise as to prevent movement of the wire relatively transversely of the post and owing to the flanges 4 spreading apart as the staple or anchor is forced in place. It will be noted that there results a frictional binding between the flanges and the arms of the anchor or staple, thereby preventing downward movement of the staple relatively to the post.

The invention having been set forth, what is claimed as new and useful is:—

1. The combination with a hollow metallic fence post having a countersunk face extending longitudinally of the post, which is adapted to be engaged by an arcuate curvature of a fence wire, said countersunk face comprising yieldable flanges inclined toward each other terminating in longitudinal parallel flanges, of an anchor engaging between the parallel flanges and straddling the arcuate shape of the fence wire and having shoulders engaging behind and overlying the inner edges of the parallel flanges.

2. In a fence wire anchor and fence post, a hollow fence post having a countersunk face extending vertically of the post adapted to be engaged by an arcuate curvature of a fence wire, said countersunk face comprising inclined flanges extending inwardly of the post and toward each other, said flanges terminating in parallel flanges inwardly of the hollow of the post, a staple to straddle the arcuate shape of the fence wire and engage between the parallel flanges, said staple having its arcuate arch tapered in cross section, the inner ends of the arms of the staple having V-shaped heads and provided with shoulders to overlie behind the inner edges of the parallel flanges, thereby coöperating with the arcuate arch of the staple to hold the same in place and to cause the arcuate shape of the fence wire to keep in engagement with the countersunk face of the post.

In testimony whereof I hereunto affix my signature.

JURGEN G. DAMMANN.