

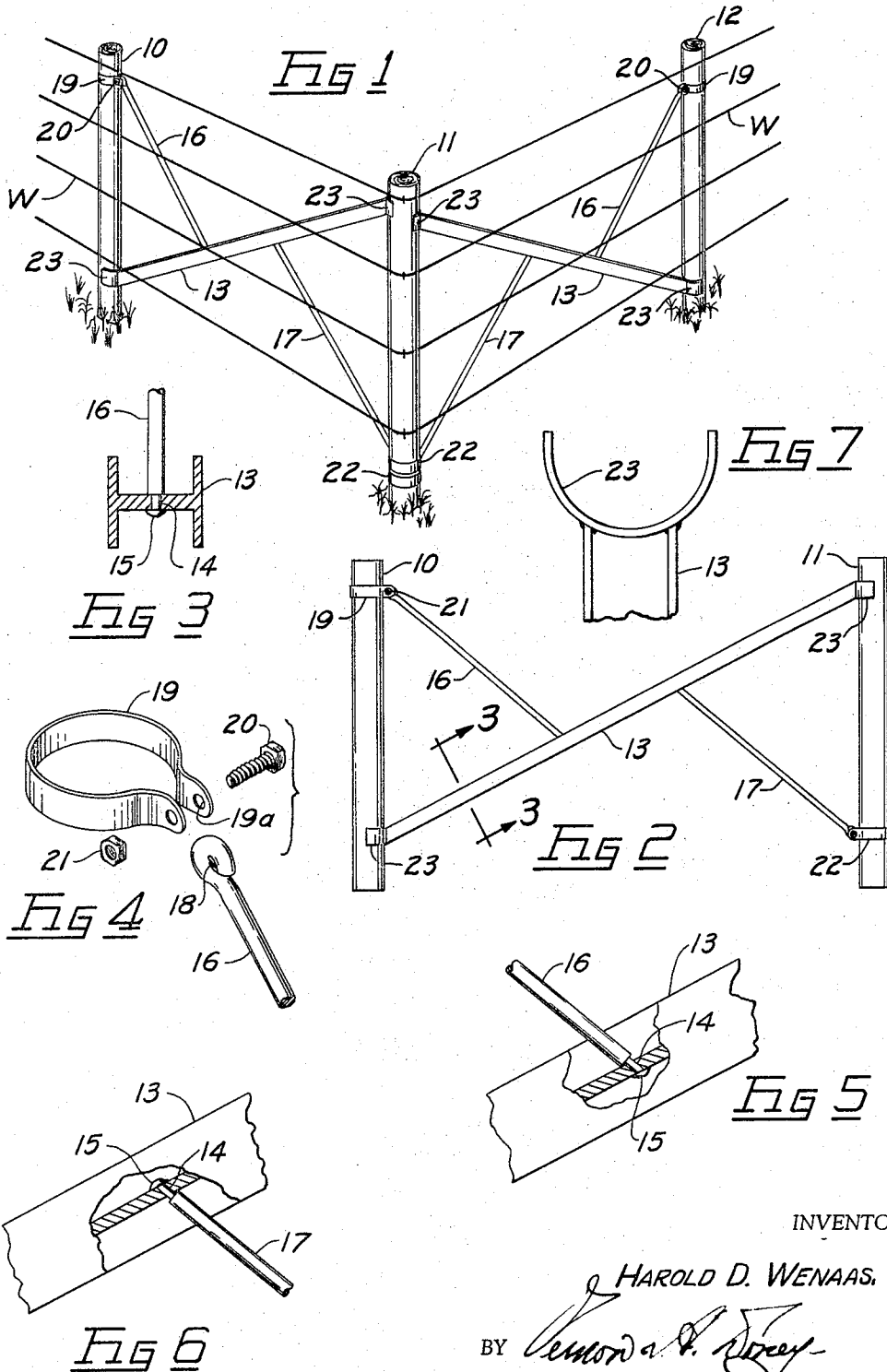
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BRACED FENCE POST CONSTRUCTION

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BRACED FENCE POST CONSTRUCTION
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ABSTRACT OF THE DISCLOSURE

The disclosure relates to a fence post brace in which the elements of the brace are proportioned so that if the two upright posts involved in the fence brace are the proper distance apart, the bracing members can be inserted between the two upright posts to form a brace to keep the upright posts from being pulled out of line by the fence connected thereto.

This invention relates to new and useful improvements in braced fence posts for receiving and holding wire thereon.

The invention relates particularly to fence post construction, such post construction being employed at the corner, ends and gateways of wire fences.

In fences constructed of wire, the strains upon the posts, due to contraction of the metal forming the wire due to change in temperature causing sagging, make it necessary that the posts be properly anchored in the ground and braced with a construction to withstand such strains to retain their usefulness for an indefinite period; and with these objects in view, I have invented a braced post construction which is admirably adapted to fulfill the above requirements.

In the accompanying drawings,

FIG. 1 is a perspective view of the braced posts used in a corner construction of a fence.

FIG. 2 is a side elevation of a braced construction for a fence, the same being the left half of FIG. 1 and being intended to be an end construction of a fence line.

FIG. 3 is a section of a diagonal brace between fence posts on line 3—3 of FIG. 2.

FIG. 4 is an exploded view of the connection of an iron rod brace attachment to one of the end posts and the diagonal brace between the vertical posts.

FIG. 5 is a partial sectional view of a diagonal brace connection between posts with the connection of the iron rod brace attached thereto, said rod member being attached to the top of a post.

FIG. 6 is a partial sectional view of a diagonal brace connection between posts with the connection of the iron rod brace member attached thereto, said rod member being attached to the bottom of a vertical post.

FIG. 7 is a partial view of a diagonal brace connection between posts showing the U-shaped yoke at one end.

Further referring to the drawings and more particularly to FIG. 1, the braced construction for the posts shows vertical wooden fence posts 10, 11 and 12 which are vertically mounted in the ground and braced by diagonal braces 13 extending from adjacent the ground level of posts 10 and 12 to adjacent the top of post 11.

This structure is also true in FIG. 2, which form of fence post bracing could be used for an opening in a fence, i.e., for a gateway, the gate being swung from or closing to post 11.

The ends of the metal brace members 13 have welded thereto at their respective ends a U-shaped yoke 23, the

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sides of the U-shaped yoke straddling the sides of the vertical post, the same being shown in FIGS. 1, 2 and 7 of the drawings.

The brace members 13 have holes or openings 14, the reduced ends of the brace rods 16 and 17 projecting through said openings and being burred at 15, as shown in FIG. 3 of the drawings.

The above structure is also shown in FIG. 6 of the drawings, wherein the ends of the rod 17 penetrate through the web of the diagonal brace members 13 and are burred as at 15.

The rod braces 16 and 17 are formed of metal rods, either round or square, in cross section.

The upper ends of the braces 16 are attached to posts 10 and 12, as shown in FIG. 1, and only to the post 10, as shown in FIG. 2, by a metal collar 19 having corresponding openings 19a in the ends of the collar. The upper end of rod 16 is formed with an opening 18 and this end of the rod 16 is attached to the collar 19 by a bolt 20 having a nut 21 thereon, all of which is shown in detail in FIG. 4.

Mounted on the post 11 near the bottom adjacent the top of the ground are collars 22 similar to collars 19 on posts 10 and 12. The lower end of brace rod 17 is affixed to collar 22 in the same manner as brace 16 is connected to the top of posts 10 and 12, as is fully shown in FIG. 4.

While the drawings show single strands of wire W forming the fence, the same could well be a woven wire.

Having the number of elements shown and described in this construction and knowing the length and dimensions of the same, it is easy to form a fence post construction for the reception of wire thereon, as is shown in either of FIGS. 1 and 2, as the diagonal braces 13 and the bracing rods 16 and 17 are one complete unit and by placing the fence posts 10, 11 and 12 in the correct distance from each other, the diagonal brace 13 and the bracing structure attached thereto will be in a position to brace the posts of the fence structure.

What I claim is:

A fence post construction comprising an end post and a post adjacent thereto, both of said posts being vertically mounted, a single diagonal brace having the form of an H in cross section attached to the bottom of the adjacent post and adjacent the top of the end post by U-shaped members on the ends thereof, said U-shaped members straddling said vertical posts, said diagonal member having spaced openings through the web thereof, iron rods extending from approximately the middle of the diagonal member to the top of the adjacent fence post and the bottom of the end post, each of said iron rods having a reduced end portion received in one of said spaced openings in the web of the diagonal brace, the outer ends of the iron rods being connected to the vertical post by collars surrounding said post.

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