

P. HOWARD.

FENCE.

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899,112.

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2 SHEETS—SHEET 2.

Fig. 6,

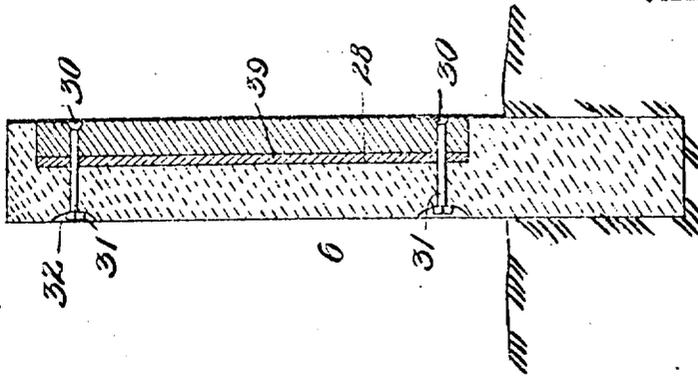
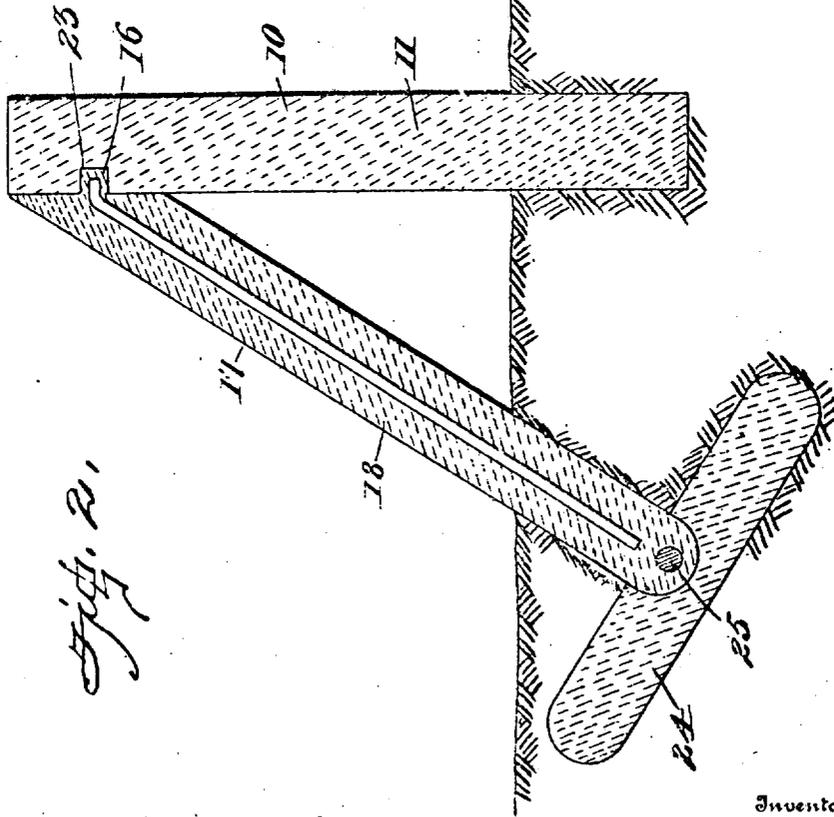


Fig. 2,



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FENCE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, PINKSTON HOWARD, a citizen of the United States, residing at Wilberforce, in the county of Greene and State of Ohio, have invented certain new and useful Improvements in Fences, of which the following is a specification.

This invention relates to fences, and more particularly to wire fences, and has for its object to provide a wire fence structure including plastic posts which will be simple in construction, strong, durable and cheap to manufacture.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views, Figure 1, is a side elevational view of a fence constructed in accordance with my invention, Fig. 2, is a vertical longitudinal sectional view, Fig. 3, is a cross sectional view on the line 3-3 of Fig. 1, Fig. 4, is a cross sectional view on the line 4-4 of Fig. 1, Fig. 5, is a cross sectional view of a modified form of post, Fig. 6, is a vertical longitudinal sectional view of the form shown in Fig. 5, Fig. 7, is a cross sectional view of a further modified form of post, Fig. 8, is a cross sectional view of the brace post on the line 8-8 of Fig. 1.

Referring now more particularly to the drawings, there is shown a fence including line posts 10. The line posts each include a plastic body portion 11 having vertical strengthening wires 12. A longitudinally extending groove 13 is formed in each post 10, and seated in this groove, there is shown a vertical strip of wood 14, provided with transversely extending pins 15 which are embedded in the body portion of the post, as shown, and thus serve as an anchor for the strips.

Recesses 16 are formed in opposite sides of the post for a purpose to be hereinafter described. Brace posts 17 are provided at intervals along the line of the fence, and these consist of a plastic body portion 18, and these posts have their upper ends beveled, as shown at 19 and arranged to lie against the face of the posts 10. The posts 17 are provided with longitudinally extending grooves 20 at opposite sides, and these grooves

are thus arranged to receive strips of wood 20' which are similar to the strips 14, and these posts are thus made interchangeable, whereby the brace posts may be used at either side of the posts 10. The posts 17 are provided with central and longitudinally extending strengthening rods 21, and similar rods 22 are provided within the post. The upper beveled ends 19 of the posts 17 are provided with projections 23, and these are thus arranged to lie within the recesses 16 formed in the posts 10. An anchor 24 is secured at the lower end of each post 17, and this anchor is held to the post 17 by means of a transverse bolt 25.

From the construction shown and described, it will be seen that a simple, strong, durable and cheap post is provided, and by the arrangement of grooves which are formed in the posts, and the strips which are arranged within the grooves, that an effective means is provided for holding the line wires to the posts. Staples 27 are shown as a simple fastening means for securing the line wires to the posts, and these staples may be driven into the strips or otherwise held thereto. While the drawings show a wire fence structure it will of course be understood that wooden rails may be secured to the strips if desired.

In the form of my invention shown in Figs. 5 and 6, there is shown a gate post 28, and this post is similar in construction to the forms shown in Figs. 1 to 4, with the omission of the grooves 13, and to provide a greater surface for the attachment of gate hinges, a strip 29 is secured to the entire surface of one face of the post, and transverse bolts 30 are passed through this strip and through passages 31 in the posts, and these bolts have their inner ends disposed within recesses 32, which are formed in the posts and these recesses also receive the nuts 33 for the bolts 30. A metallic washer plate 39 is arranged between the outer face of the post and the inner face of the strip 29 and serves to prolong the life of the post.

In the form of my invention shown in Figs. 7 and 8, I provide a hollow pipe of pottery or other suitable material, and within this pipe, there is shown a filling of concrete 35 or other plastic material. A vertical strip 36 is secured to the post by means of bolts 37. Recesses 38 are formed in the sides of the post, and these recesses are arranged to receive the projections 23, as stated.

What is claimed is:

1. In a fence structure, the combination with a plastic post having a longitudinally disposed strip upon one face, the post having recesses adjacent its upper end and at its side faces, of a brace post of plastic material having a projection at its upper end disposed in one of the recesses, an anchor carried by the brace post at its lower end, and a bolt engaged with the brace post and with the anchor respectively.

2. In a fence structure, the combination with a plastic post having a longitudinally disposed wire attaching strip, said post hav-

ing a recess in one of its side faces, of a plastic brace post having a projection disposed in the recess, said brace post having a centrally located strengthening rod terminating at its upper end within the projection, and an angularly disposed anchor carried by the brace post at the lower end thereof.

In testimony whereof I affix my signature, in presence of two witnesses.

PINKSTON HOWARD.

Witnesses:

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