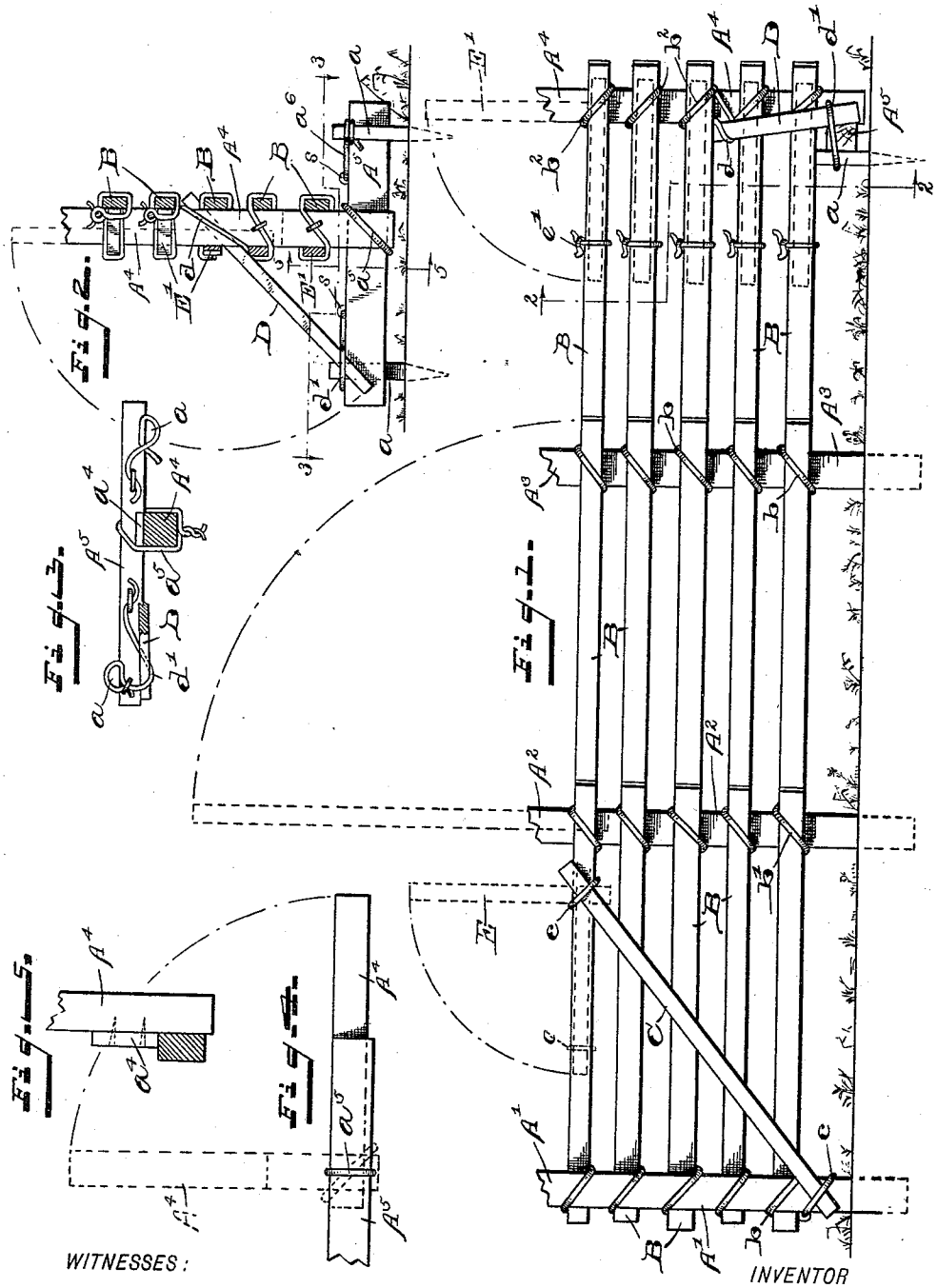
(No Model.)

H. CARTER.

FENCE.

No. 479,972. Patented Aug. 2, 1892.



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FENCE.

SPECIFICATION forming part of Letters Patent No. 479,972, dated August 2, 1892.

Application filed August 29, 1889. Serial No. 322,386. (No model.)

To all whom it may concern:

Be it known that I, HERMAN CARTER, a citizen of the United States, residing at Lilly Chapel, in the county of Madison, State of Ohio, have invented certain new and useful Improvements in Fences, of which the following is a specification.

My said invention relates to that class of fences in which the stakes or posts and rails and braces are held together mainly by wires; and it consists in certain details of construction and arrangements of parts, as will be hereinafter more particularly described and claimed.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a side elevation of three panels of a fence embodying my said invention; Fig. 2, a transverse sectional view of the same as seen when looking toward the right from the dotted line 2 2 in Fig. 1; Fig. 3, a horizontal sectional view, looking downwardly from the dotted line 3 3 in Fig. 2; Fig. 4, a detail view illustrating the method of attaching the post and the sill together in the construction illustrated in Fig. 2, and Fig. 5 a detail sectional view, looking toward the right from the dotted line 5 5 in Fig. 2.

In said drawings the portions marked A′, A^2, A^3, and A^4 represent the fence-posts; B, the fence-rails; C, longitudinal braces; D, lateral braces, and E and E′ locking-levers.

The posts A′, A^2, and A^3 are ordinary posts set in the ground. The post A^4 has a sill A^5, to which it is connected, which sill is supported by stakes *a*, driven into the ground. The manner of attaching the posts A^4 to the sill A^5 is illustrated in Fig. 4, where the sill is shown in its normal position with the post lying beside it in full lines, the normal position of said post being shown in dotted lines. In assembling these parts they are first positioned as shown in said Fig. 4 and the wire a^5 wrapped around them. They are then thrown up to the position shown in the dotted lines, which tightens the wire and causes it to impress itself into the wood, after which a block a^4 is preferably nailed to the post above the sill, which prevents said post from sliding down in case of any decay or shrinking of the parts. The braces and locking-levers are applied after the rails are put in position, as will be presently described.

The rails B are ordinary fence-rails and are attached to the posts in the following manner: The lower rail at the end of the fence, at which operations are begun, is set alongside the post substantially vertically, and a wire *b* placed around it. It is then brought down into its horizontal position, as shown in the drawings, and a second rail is set up alongside the next post and a wire *b′* tied around said post and both rails. Said second rail is then forced down and the operation repeated until the end of the line of fence being built is reached, when a locking-lever E′ is used, as will be presently explained.

The longitudinal braces C are first set substantially upright alongside the post A′ and secured at the bottom end by means of a wire *c*. They are then forced over sidewise until the position shown in Fig. 1 is reached, when a wire *c′* is passed around the upper rail of the fence and also around one end of one of the locking-levers E. The locking-lever E is forced from the upright position illustrated down alongside the upper fence-rail and there secured by a wire *e*. These several movements, as will be readily understood, draw the wires up tightly around the parts and bed them to some extent into the wood of the braces and rails and posts and thus secure the whole structure in position. The usual movement of the fence-rail as it is brought down from its upright to its horizontal position is illustrated by dotted lines centrally above Fig. 1.

The braces D are used especially where the sills A^5 make a part of the fence. The method of attaching these is illustrated best in Fig. 2. They are first held in a substantially-upright position alongside the post and a wire *d* passed around the post and brace. The brace is then forced down to the position shown by the full lines and there secured, partly by the wire *d′*, which passes around it and the stake *a*, and partly by being nailed thereto, as shown. The wire *d′*, as well as the wire a^6, secured to the other stake *a*, are fastened to the sill A^5 by staples *s*.

The locking-levers E and E′ are used, re-

spectively, to lock the upper ends of the braces C and the last end of the final set of the fence-rails, and are used in a similar manner. The lever E, as has been described, passes under a wire *c*, and is then forced down and held by another wire *e*. The levers E′ are held, respectively, by wires b^2, which pass around the end of the fence-rail to the post A^4 and the lower end of said lever, and are then forced down, as indicated, and held by the wires *e′*.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the posts, rails, fastening-wires passed around the rails and the posts, and the horizontal brace-arms having one end engaged with the fastening-wire and the other secured to the rails, substantially as set forth.

2. The combination, with the ends of fence-rails where the fence terminates and the end post by which said rails are supported, of wires b^2 and locking-levers E′ and fasteners for said locking-levers, whereby the end of the fence is finished and held in place.

3. The combination, in a fence, of the posts, the rails secured thereto by wires passing around them and the posts, braces C, extending longitudinally of said fence, lateral braces D, and locking-levers E and E′, all substantially as shown and described.

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

HERMAN CARTER.

Witnesses:
GEORGE DINFLINGER,
SALLIE CARTER-BUCHANAN.