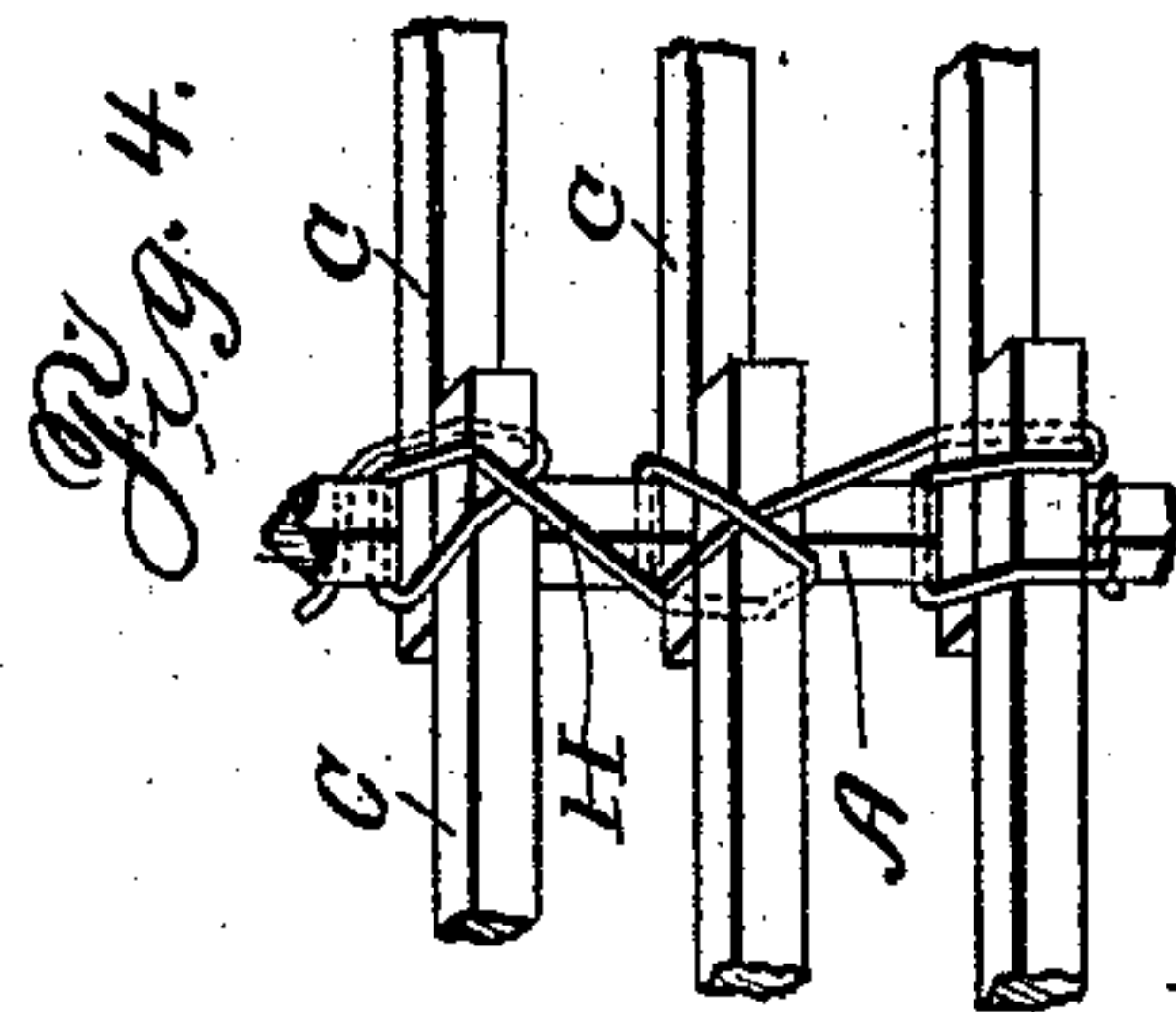
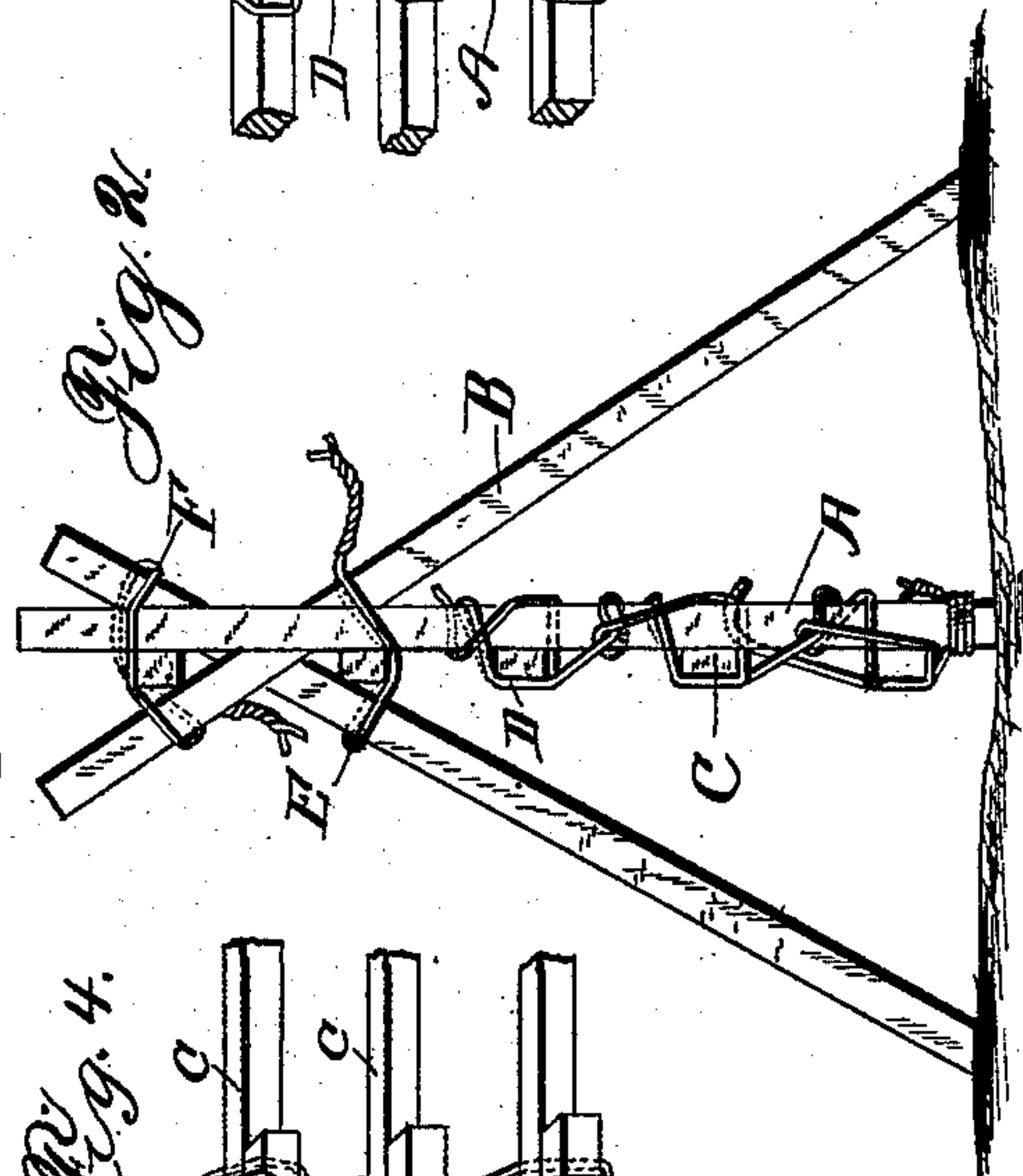
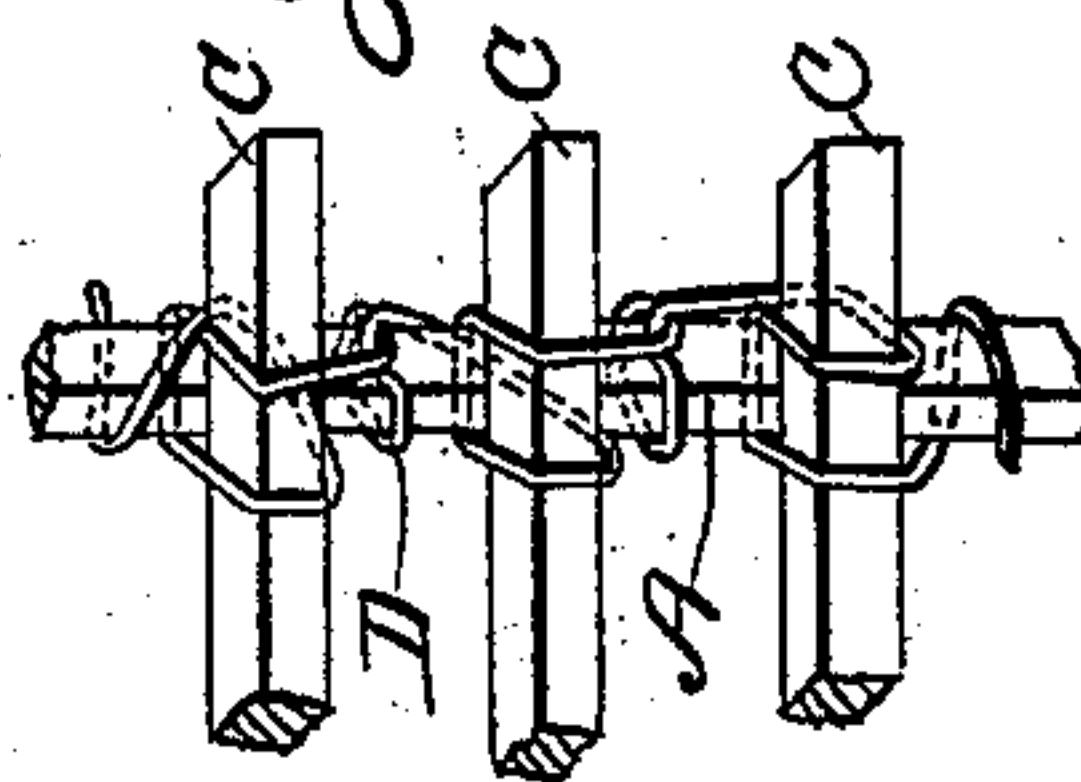
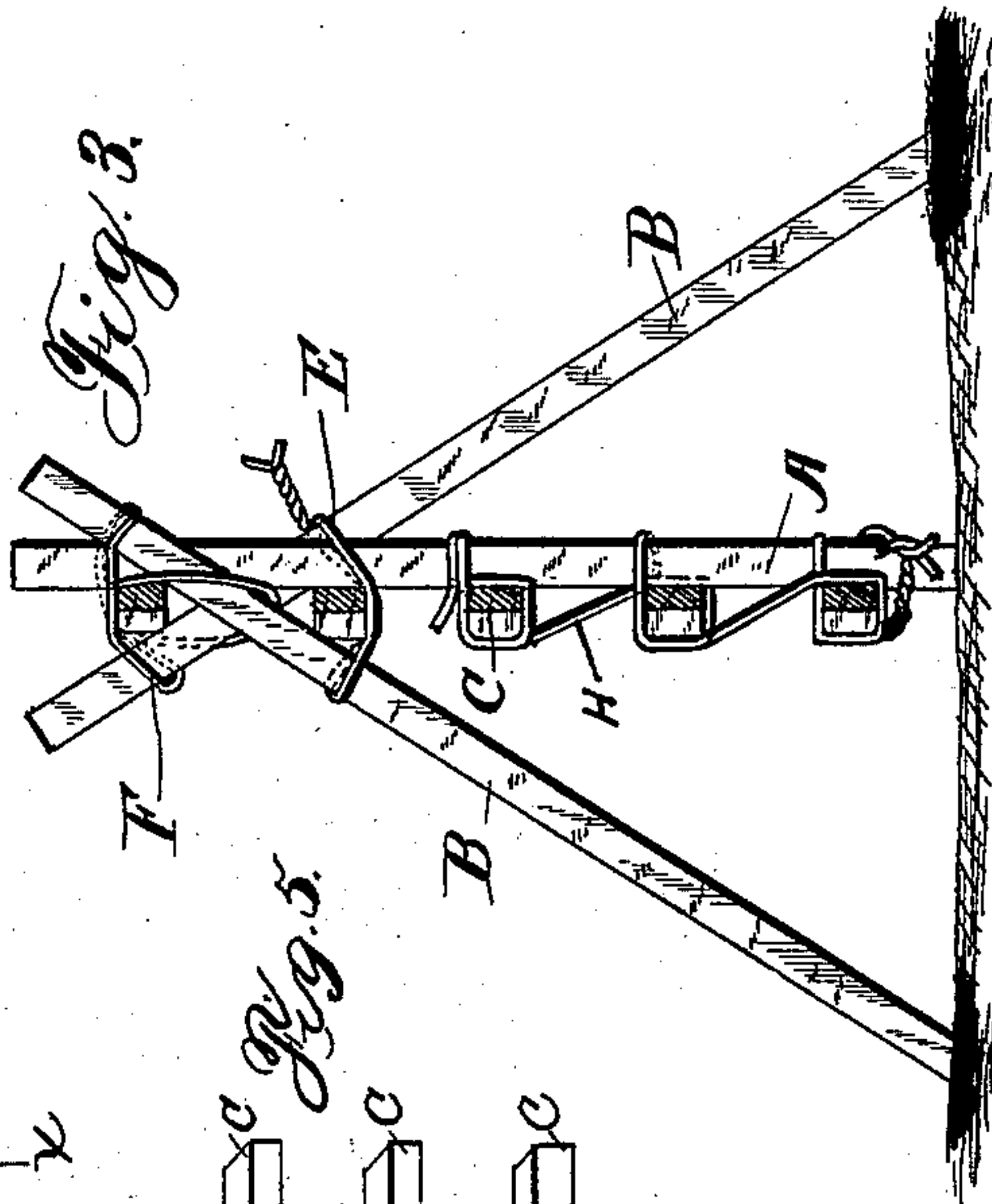
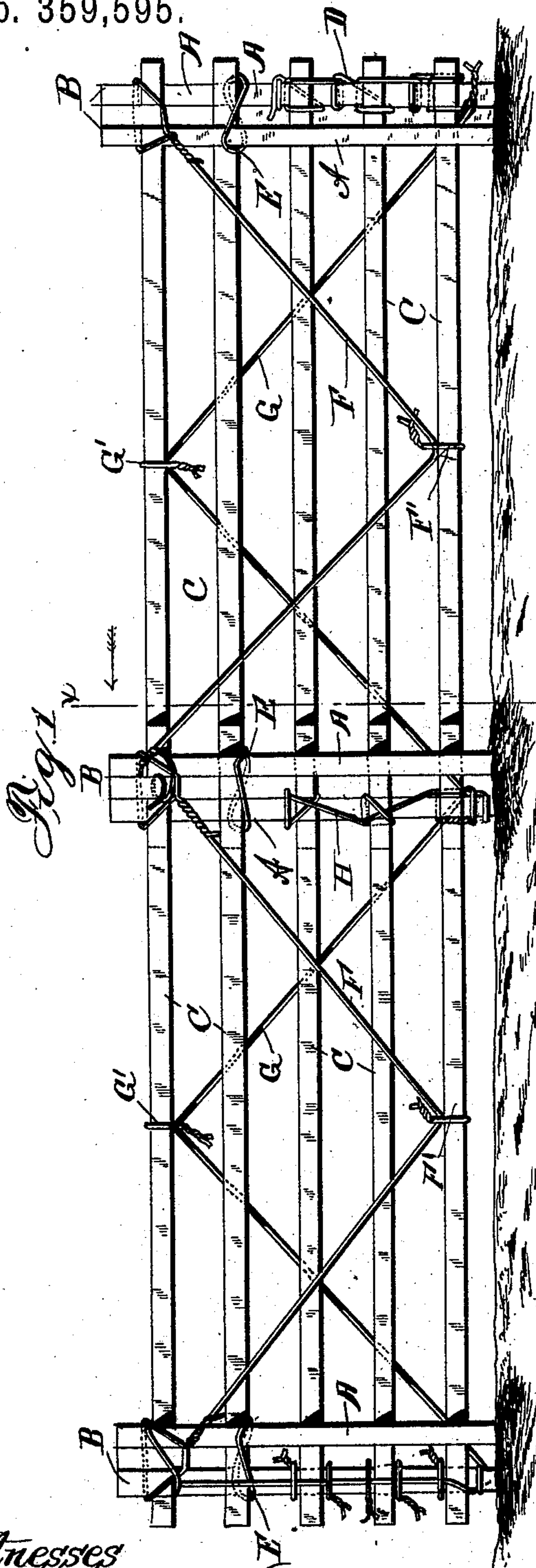


(No Model.)

J. A. DEVORE.
FENCE.

No. 359,595.

Patented Mar. 22, 1887.



Witnesses
R. C. Laurie,
C. P. Kramer,

Inventor;
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UNITED STATES PATENT OFFICE.

JAMES A. DEVORE, OF HASTINGS, MICHIGAN.

FENCE.

SPECIFICATION forming part of Letters Patent No. 359,595, dated March 22, 1887.

Application filed September 30, 1886. Serial No. 214,967. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. DEVORE, a citizen of the United States, residing at Hastings, in the county of Barry and State of Michigan, have invented certain new and useful Improvements in Fences; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to fences; and it consists in the novel features more fully hereinafter set forth and claimed, and shown in the annexed drawings, in which—

Figure 1 is a side elevation of a fence constructed in accordance with my invention. Fig. 2 is an end view. Fig. 3 is a section on the line X X of Fig. 1. Fig. 4 is a perspective detail view showing the manner of binding the wire H about the overlapping ends of the rails and the post, and Fig. 5 is a perspective detail view showing the wire D wrapped about the rails and post and securing the rails in position thereto.

The fence comprises a series of posts, A, set at intervals apart, braces B, and the rails C. The rails are lapped along the sides of the posts A at proper intervals, and are secured thereto by wires D and H. The braces B cross each other near their upper ends, forming a fork, in which the upper rail is seated, while the rail directly beneath it is seated in the opposite fork and secured thereto by the wire E, which is bound around the braces and the post, and forms a support for said rail. The upper rail is held in position by the wire F, one end of which is passed around the upper ends of the braces and post, and has its opposite end secured in like manner to the braces of an adjacent section of fence, as shown. The middle portion is depressed and secured to the lower rail by the wire F', the ends of which are tightly twisted together. By this construction the braces and post are braced against any movement in the direction of the length of the fence, while at the same time the lower rail is held from the ground. A second wire, G, having its middle secured by

a wire loop, G', to the upper rail, has its opposite ends secured to the lower ends of two adjacent fence-posts. By this means the upper rail is held against accidental displacement and the lower ends of the fence-posts prevented from spreading.

The ends of the rails of one section or panel overlap the ends of the rails of the adjacent section, and are secured to the post by the wire H, having one end fastened to the post above the third rail from the top and wrapped about the overlapping ends of the rails and the post in the following manner: The wire, after having its upper end secured to the post, passes down on one side of the post behind the overlapping ends of the rails, thence beneath and up diagonally across said ends to the opposite side of the post, around which it passes, and once again over and down in front of said ends, in a diagonally-opposite direction to the wire first crossing in front of them, to the overlapping ends of the rails directly beneath, which are secured to the post in a similar or corresponding manner, and so on for each succeeding pair of rails till the lowest rails are reached, when the wire passes behind and beneath the overlapping ends in the desired way; but instead of passing diagonally across, it extends up and over the rails in the same side of the post, around which it passes to the opposite side, thence over, down in front of, and beneath the rails, having its lower end secured to the post, as shown. The wire D is secured at its upper end to the post in any desired way, and extends diagonally across the same from the upper edge to the lower edge of the rail, beneath which, up in front of, and over it passes on the same side of the post, thence around the post to the opposite side and over and down in front of the rail to the next rail beneath, which is secured to the post in a similar or corresponding manner, as shown, the lower end of the wire being secured to the post in any desired way. Between each two rails the wire is wrapped once around the post, as shown, for preventing any vertical displacement of the rails, and also to have the wire passed around the rails and post in the same direction, thereby preventing a uniform appearance.

From the foregoing description and the ac-

companying drawings it has been seen that the braces are secured to the rails and posts above and below the point of intersection, which construction prevents their lower ends from spreading, and adapts the fence to be built on rocks, stones, and hard ground as well as on soft mellow land.

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

1. In a fence, the combination, with the posts A, the braces B B, lapped alongside the posts and crossed near their upper ends, and two rails, each resting against the posts, one fitted in the upper and the other fitted in the lower fork of the braces, of the wires E, bound about the posts and braces below the lower rail, and the brace-wire F, stretched between the posts A, and having one end bound around the upper ends of the braces and post above the upper rail and having its middle deflected, substantially as and for the purpose described.

2. The combination, with the posts A, the crossed braces B B, and the rails C, the upper rail fitted in the upper and the next lower rail fitted in the lower fork of the braces, of the brace-wire F, located on one side of the fence and stretched between the upper ends of two posts A, and having one end bound about the upper ends of the braces and post and having its middle secured to the lowest rail, and the brace-wire G, located on the opposite side of the fence and stretched between the lower ends of said posts, and having its middle secured to the top rail, substantially as shown and described.

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

JAMES A. DEVORE.

Witnesses:

NATHAN B. BRISBIN,
W. H. FOWLE.