

(No Model.)

L. B. MESNARD.
Fence.

No. 239,663.

Patented April 5, 1881.

Fig. 1.

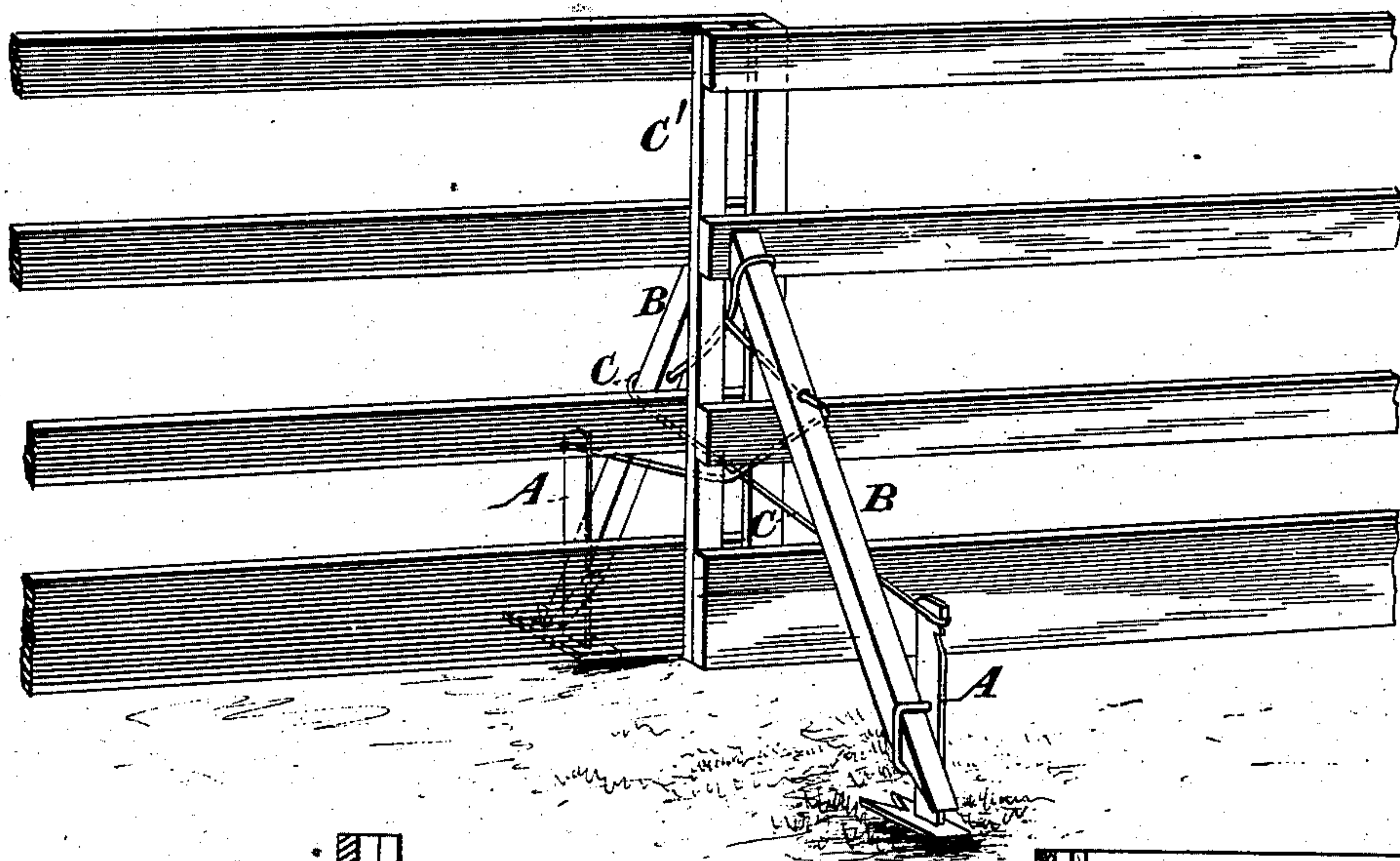


Fig. 2.

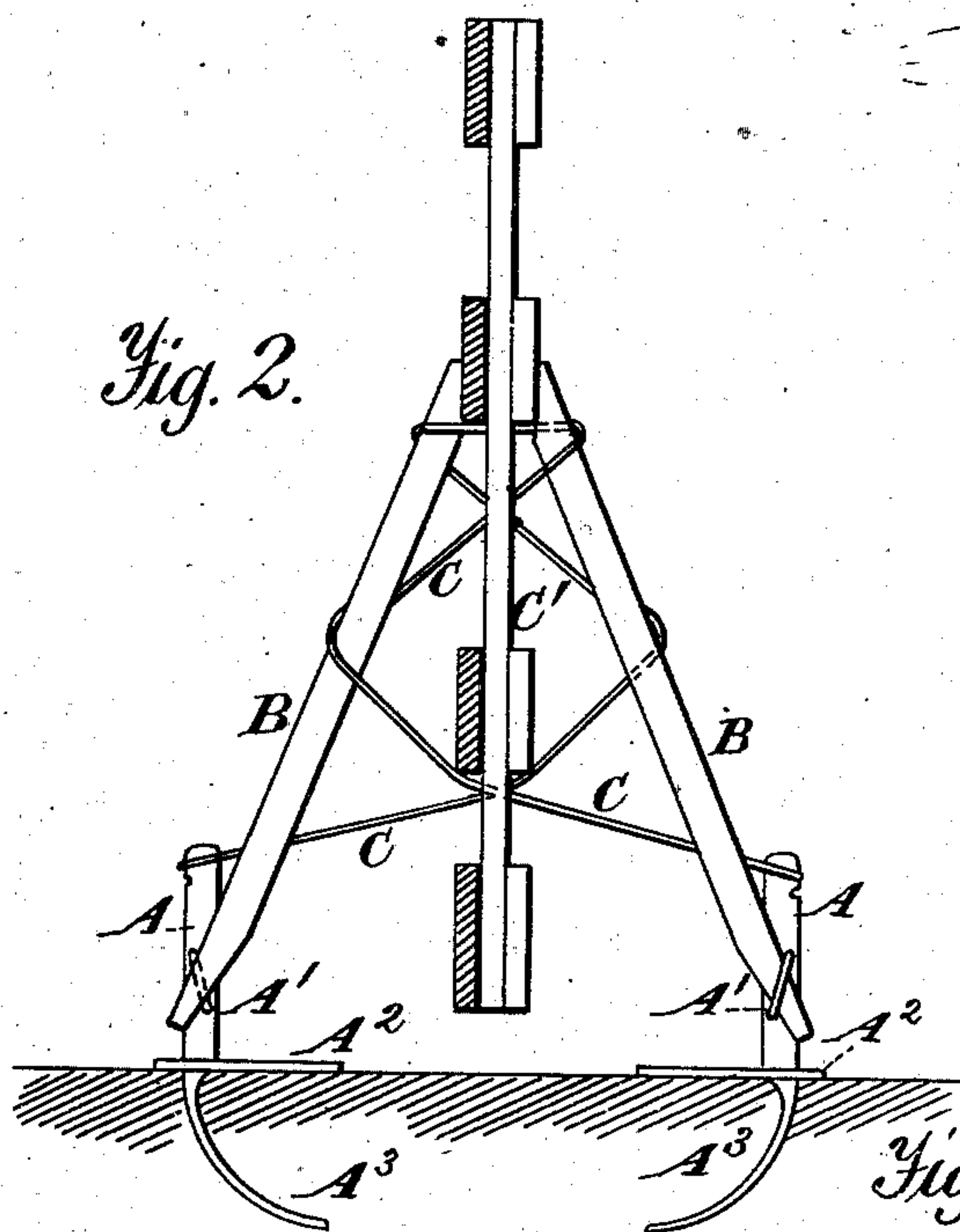


Fig. 3.

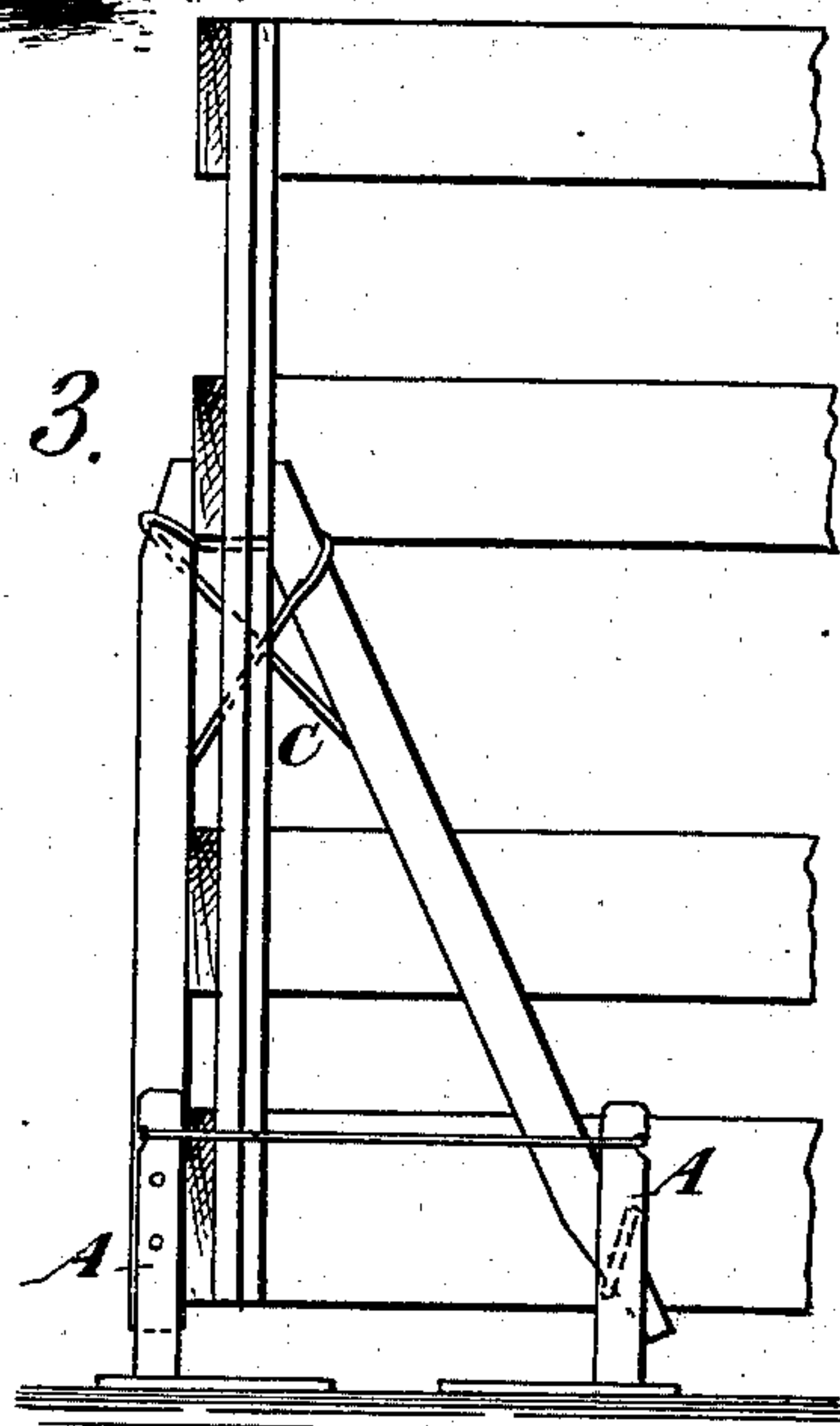
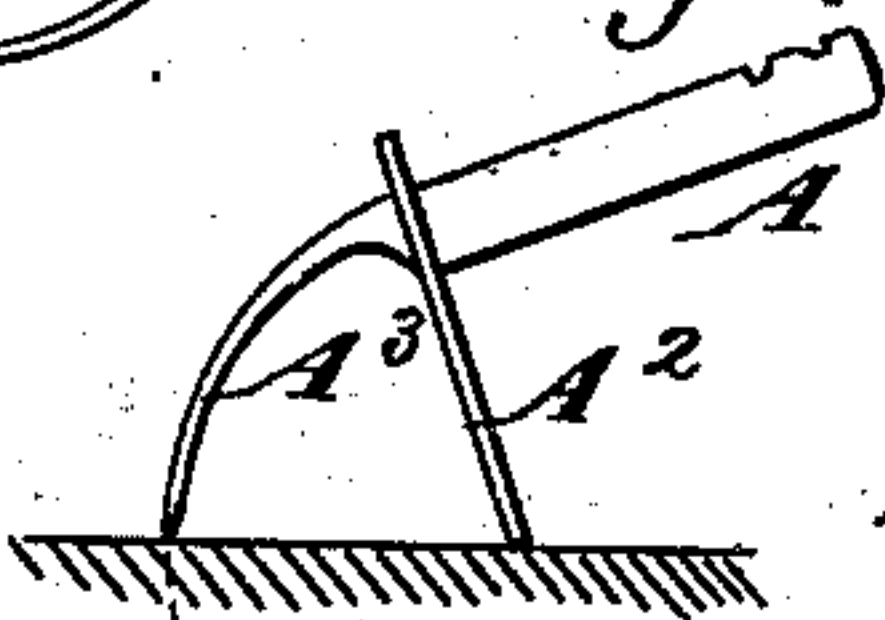


Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

LUTHER B. MESNARD, OF NORWALK, OHIO.

FENCE.

SPECIFICATION forming part of Letters Patent No. 239,663, dated April 5, 1881.

Application filed January 27, 1881. (No model.)

To all whom it may concern:

Be it known that I, LUTHER B. MESNARD, a citizen of the United States, residing at Norwalk, in the county of Huron and State of Ohio, have invented certain new and useful Improvements in Fences; and I do hereby 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 ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in
15 portable fences in which the panels are held in position by anchors driven into the earth; and the objects of my improvements are, first, to provide a novel and improved form of anchor for sustaining the panels; second, to pro-
20 vide a novel and improved method of securing the panels to the anchors, which shall effectually prevent them from being displaced. I attain these objects by the means illustrated in the accompanying drawings, in
25 which—

Figure 1 is a perspective view showing portions of two panels of a fence, the braces which serve to hold them in upright positions, anchors for securing the panels to the earth, and
30 a wire truss for supporting the panels and braces. Fig. 2 is an end view showing the parts above enumerated in position and the method of securing the anchors in the earth. Fig. 3 is an elevation of a portion of a panel
35 and its supports, to be used at points where the direction of the fence is to be turned at a right or other angle to its former course; and Fig. 4 is a detail view, showing how the an-
40 chors are brought into a vertical position by having their curved portions driven into the earth.

Similar letters refer to similar parts throughout the several views.

Fences have heretofore been constructed ca-
45 pable of being used as either portable or permanent ones, in which anchors have been used for securing them to the earth; but, so far as I am aware, these have been of quite different construction from those employed by
50 me. Fences have also been constructed in which a wire loop has been used with the view

of holding the upper ends of the braces in contact with the rails of the panels; but, so far as I am aware, these have failed to answer the purpose, as they do not prevent the slip-
55 ping of the upper ends of the panels upon the rails, and the consequent wearing and loosening of the parts.

In constructing a fence, either as a portable or a fixed one, with my improvements attached
60 thereto, I provide for securing the panels to the earth by peculiarly-formed anchors A, which consist of three parts, A' A² A³, the part A' being of cast metal and having se-
65 cured to or in its lower end a curved bar, A³, of wrought metal. The part A² consists of a flat bar of wrought metal having a slot formed in it so that it may be slipped upon the part A³ and rest against a shoulder on the part A'.

It will be seen, by referring to Fig. 2, that
70 when the anchors are in position to support the panels vertically the parts A² of the anchors lie flat upon the earth, they being brought into this position by allowing their rear ends to rest thereon when commencing
75 to drive the parts A', as shown in Fig. 4.

The upper ends of the parts A' of the an-
80 chors are provided with notches or grooves for the reception and retention of a wire truss, soon to be described.

The panels of this fence may be of any ap-
proved form of construction, and may consist of any required number of rods or bars united to vertical dividing columns or posts, they
85 being supported by or upon braces B B, of any approved form, their lower ends being inserted into staples attached to the portions A' of the anchors.

For the purpose of securing the panels and their braces in position there is provided a
90 wire truss or keeper, C, the lower ends of which are secured in the grooves formed in the upper ends of the parts A' of the anchors, as shown in Fig. 2. From the right-hand anchors, as seen in the figure just alluded to, this truss
95 extends, at any suitable angle, to and through the dividing column C', and thence to and through the brace B, and back to and through the column C', through the opposite brace B, across through said column to and through the
100 first-named brace, and thence in the same manner back to the anchor opposite to the

one from which it started. This truss, when applied as described, will prevent any lateral pressure on the fence caused by the wind or by animals pressing against it from displacing it, and also prevent the rails being worn away where the braces come in contact with them, and thus becoming loosened. This truss, when placed as shown and described, constitutes the method of securing the panels and their columns to the anchors, as, owing to the fact that the parts of the wire composing it pass through said columns, to which the rails composing the panels are secured, it prevents them from being removed therefrom either by lateral or vertical pressure.

At points where the fence is to be turned at a right or any other angle to its former course, the braces and anchors may be placed as shown in Fig. 3 of the drawings.

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

1. An anchor for sustaining and keeping in position the panels of a portable or a fixed fence, consisting of the portion A', of cast or other metal, the curved portion A³, and the straight portion A², the parts being constructed and combined substantially as and for the purpose set forth.

2. In a panel-fence, the combination of the anchors A A, having curved lower portions for securing them in the earth, the braces B B, for supporting the panels of the fence, the wire truss C, for holding the braces and the panels in position, and the columns to which the rails are attached, substantially as and for the purpose set forth.

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

LUTHER B. MESNARD.

Witnesses:

WM. J. HESTER,
CHAS. M. BARBER.