

(No Model.)

I. IVEY.
LAND MARKER.

No. 409,971.

Patented Aug. 27, 1889.

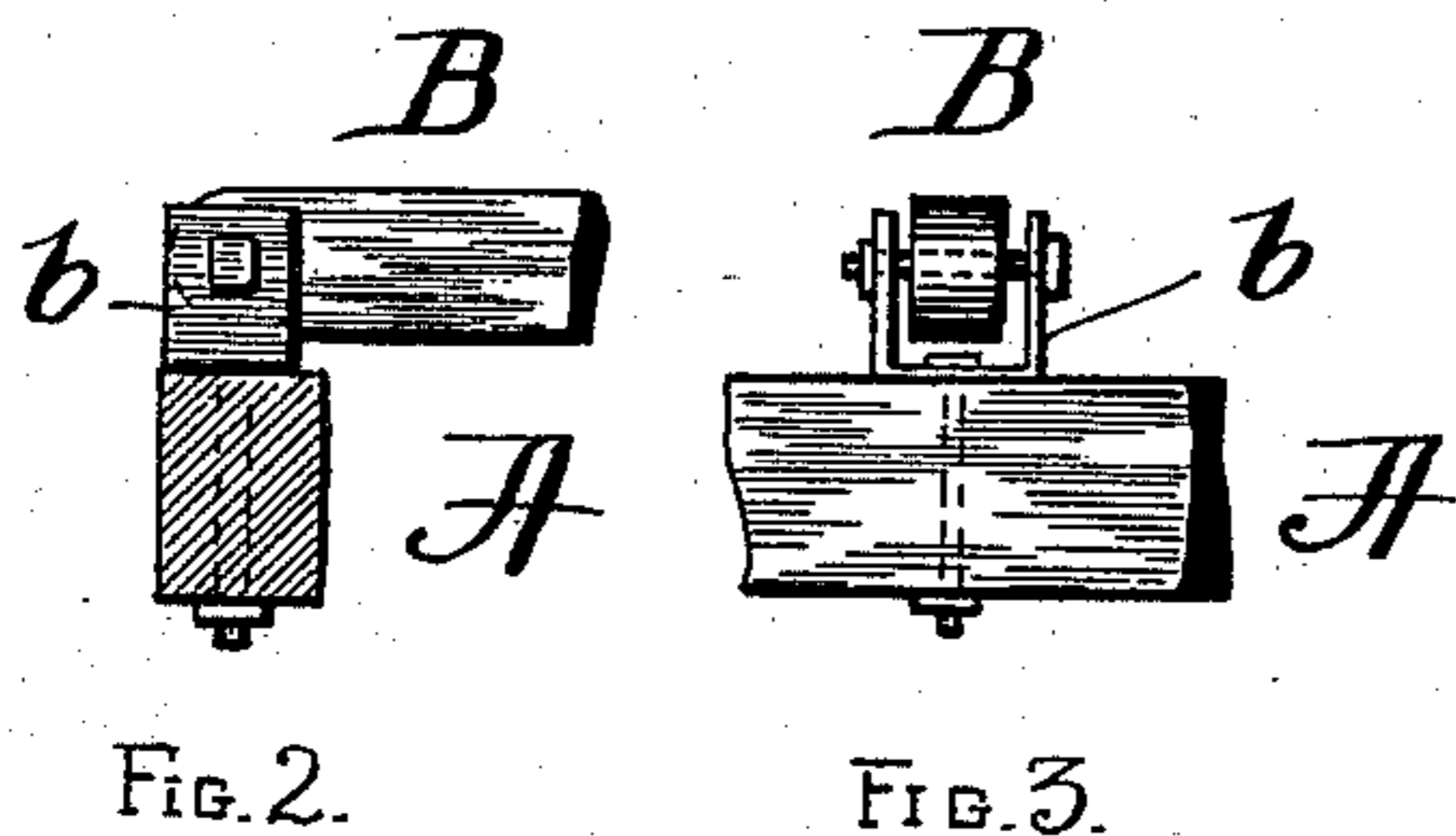
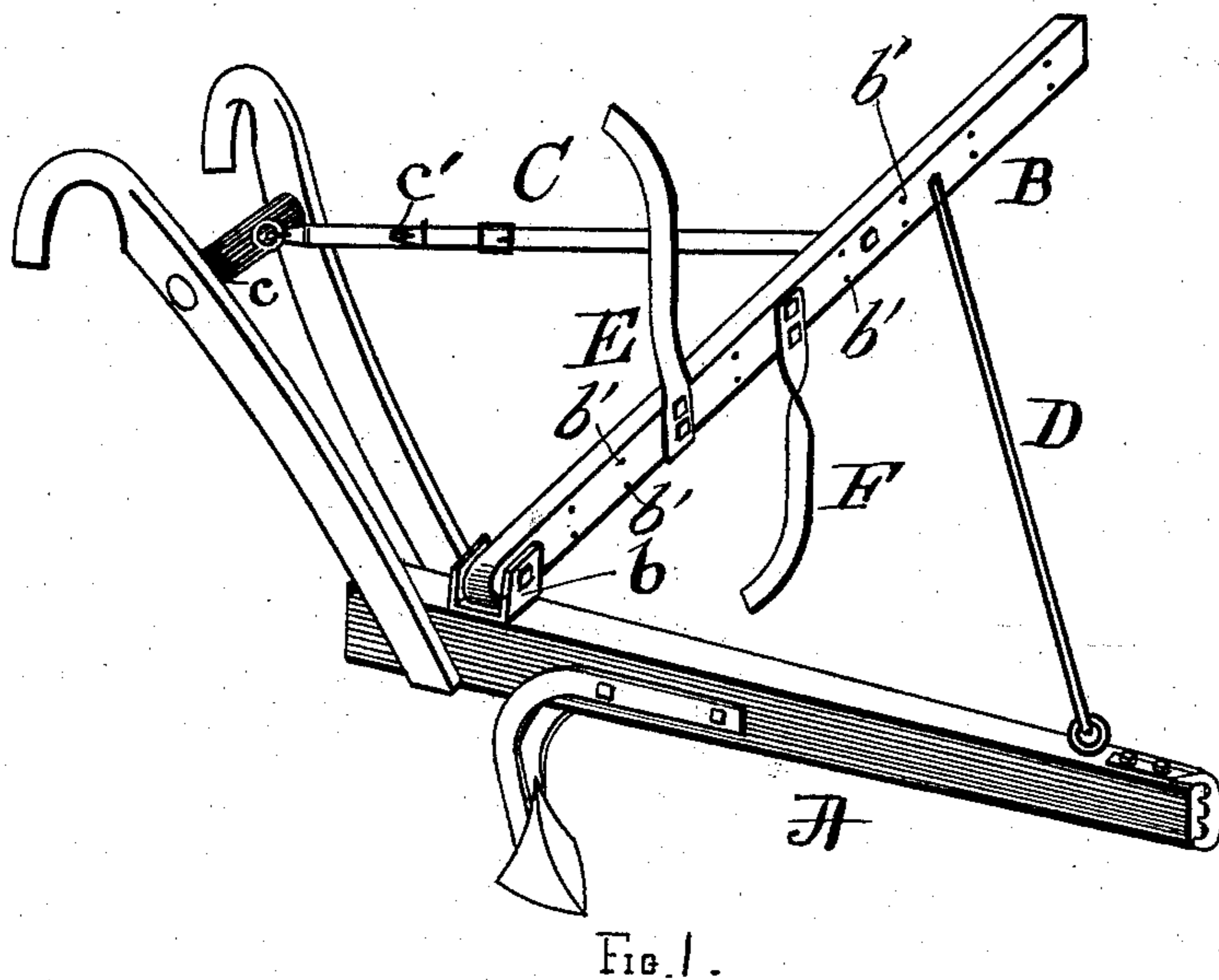


FIG. 2.

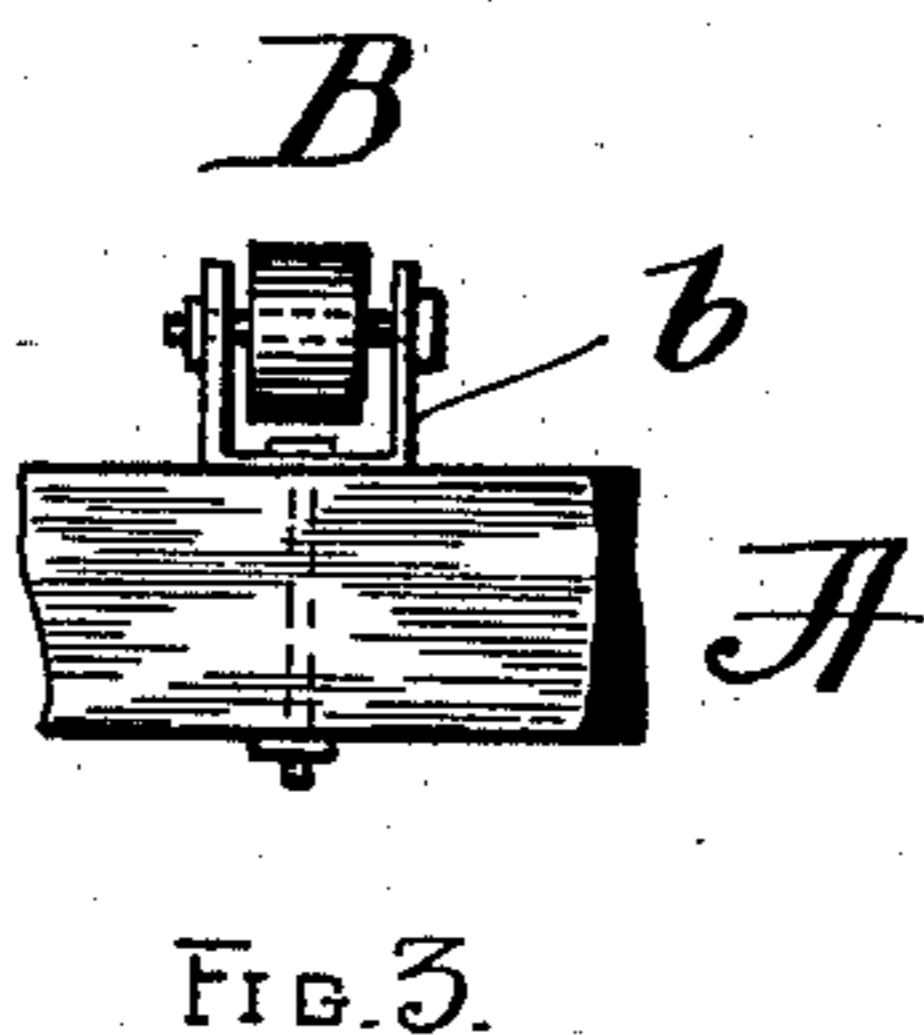


FIG. 3.



FIG. 4.

Witnesses

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IBELLE IVEY, OF THOMSON, GEORGIA.

LAND-MARKER.

SPECIFICATION forming part of Letters Patent No. 409,971, dated August 27, 1889.

Application filed March 30, 1889. Serial No. 305,439. (No model.)

To all whom it may concern:

Be it known that I, IBELLE IVEY, a citizen of the United States, and a resident of Thomson, in the county of McDuffie and State of Georgia, have invented certain new and useful Improvements in Land-Markers; 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 appertains 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.

This invention relates to implements for marking land off into rows to serve as a guide in plowing or other operation requiring such guide, but more particularly serving to mark rows in which to place the seed.

The specific object of the construction shown is to mark two rows and then leave a space of more width than between these two and mark another row, thus leaving room for the drilling seeds for a row of a smaller growth of plants, which is often done, and provision for which it is practically impossible to make with land-markers as heretofore constructed.

The invention consists of an attachment for a plow, which can be easily and quickly removed, and one that will be effective in its operation, the details of which will be hereinafter fully described, and the parts claimed as new pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of the device, showing all of the operative parts. Fig. 2 is a detail of the connection of the beam to the plow-beam by swivel, and Fig. 3 is a view of the same from the side of the plow. Fig. 4 is a detail partly in section, showing the attachment and further showing the preferred form of the marking-blades.

In these figures, like reference-marks indicating corresponding parts in the several views, A is the plow; B, the marker-beam; D, the brace; and C, the rope or strap by which the beam B is sustained when in a vertical position, and which is used to operate the said beam in changing it from side to side of the plow.

Attached near the rear end of the plow-beam

A by means of the swivel *b* is the marker-beam B, which may be of any length desired. The swivel *b* gives greater freedom of adjustment than would be obtained by any other construction which would be practicable in its place; hence I prefer it as a means of attachment to the plow-beam. From any desirable intermediate point on the beam B to the front end of the plow-beam runs the brace D, the forward end of the said brace being removably secured by a hook or an eye to the beam A, while its rear end passes through the beam B, and, being screw-threaded and having a corresponding screw-threaded nut thereon, it can be adjusted in length, which will throw the outer end of the beam B backward or forward at will. At proper distances apart through the beam B are the holes *b'*, and secured thereto in substantially the manner shown are the markers E and F, of which there are two, for reasons that will be set forth in the description of the operation of this device. The strap C is attached to the beam B near its outer end and extends to the round *c*, between the handles of the plow, to which it is removably fastened by means of a hook, as shown. This strap is adjustable in length, as shown, and has a supplementary hook *c'*, for attachment to the eye of the round *c*, as the beam B, being in vertical position, makes the points of connection of the said strap closer together. This hook may be attached to the eye in the round and hold the beam B suspended in an approximately vertical position.

The operation of this device is as follows: It is to be supposed for convenience of description that the blade E is two feet from the pivoting point of the beam B, and that the blade F is three feet from said point and obviously one foot from the blade E and farther out on the beam. A share would be placed on the plow that would be adapted to make a furrow of the required depth for seed to be planted therein, and, for instance, the plow would be started when the parts are in the relative position shown in Fig. 1, with the beam B pointing toward the center of the field, and a furrow would be run in this manner, the blade E marking the point for another furrow two feet nearer the center of

the field, supposing the positions of the blades E and F to be respectively two and three feet from the beam, as hereinbefore stated. Returning from the end of the furrow just made, the plow would be caused to follow the mark just made by the blade E, and the beam B having been turned over to the opposite side of the plow, bringing the blade F into working position, the said blade will mark a row three feet from the one last made by the blade E, which can in turn be deepened and widened by the plow-share and another marked by the blade E, and the operation continued until the desired work shall have been performed, each time running the plow back along the row just previously marked out and turning the other blade into working position. Between the two adjacent rows which are the greater distance apart another furrow can be run for planting a "small crop,"—that is, one requiring less space and not interfering with the larger and more important one planted in the field. When a stump or other obstruction is in the way of the beam B, it is pulled up to a

vertical position and a supplementary hook on the strap C hooked into the eye in the round c, which will hold the said beam suspended in a vertical position until it shall be released.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

In a land-marker, the combination of the plow-beam A, the arm B, connected to the plow-beam by a swivel-joint, the blades E and F, projecting from opposite sides of said beam in a line perpendicular to the surface of the ground and at different distances from the swivel-joint, the removable brace D, connecting the beam B with the front end of the plow-beam, all arranged substantially as and for the purpose set forth.

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

IBELLE IVEY.

Witnesses:

J. L. HOLGENDORF,

E. A. WILSON.