

C. M. HOGHTON.  
Markers for Corn-Planters.

No. 198,514.

Patented Dec. 25, 1877.

Fig. 1.

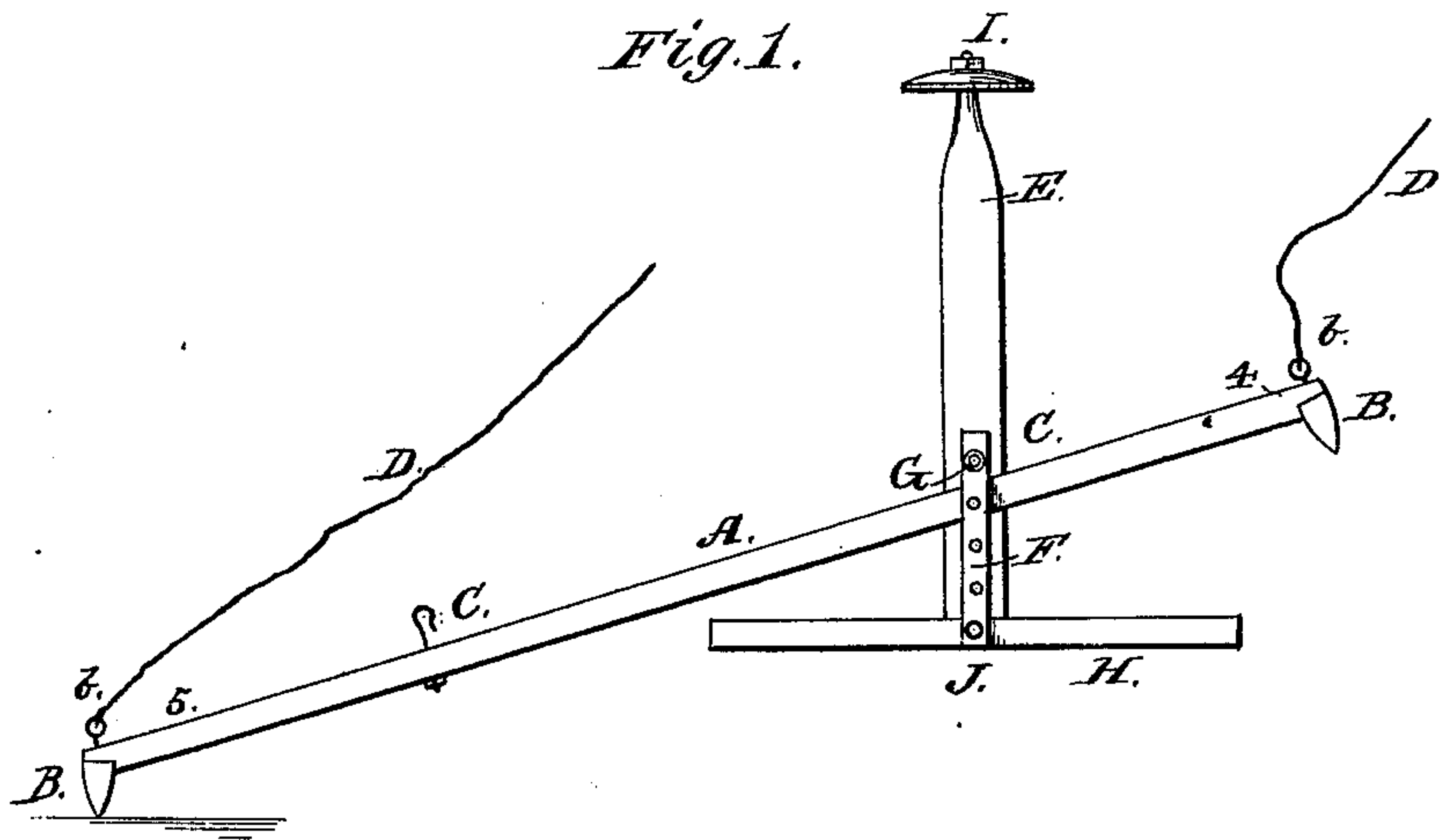


Fig. 2.

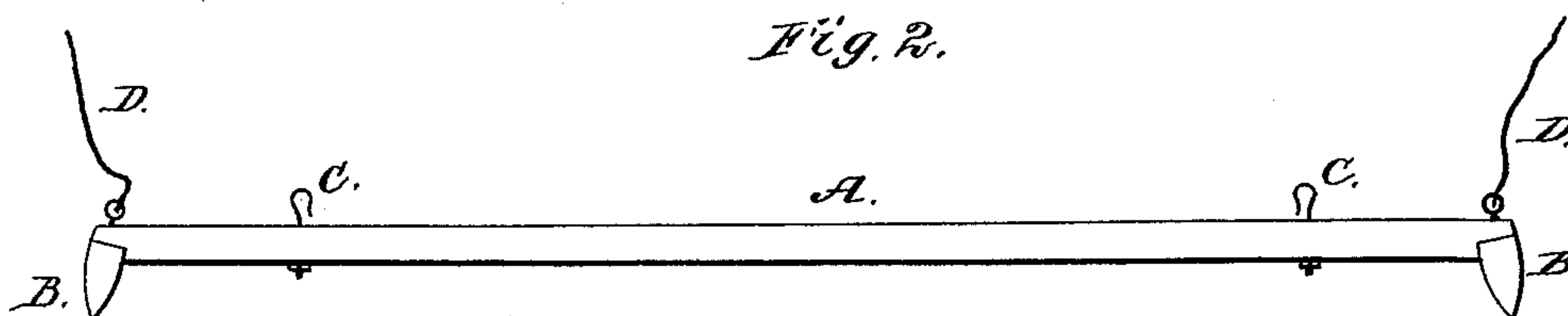


Fig. 3.

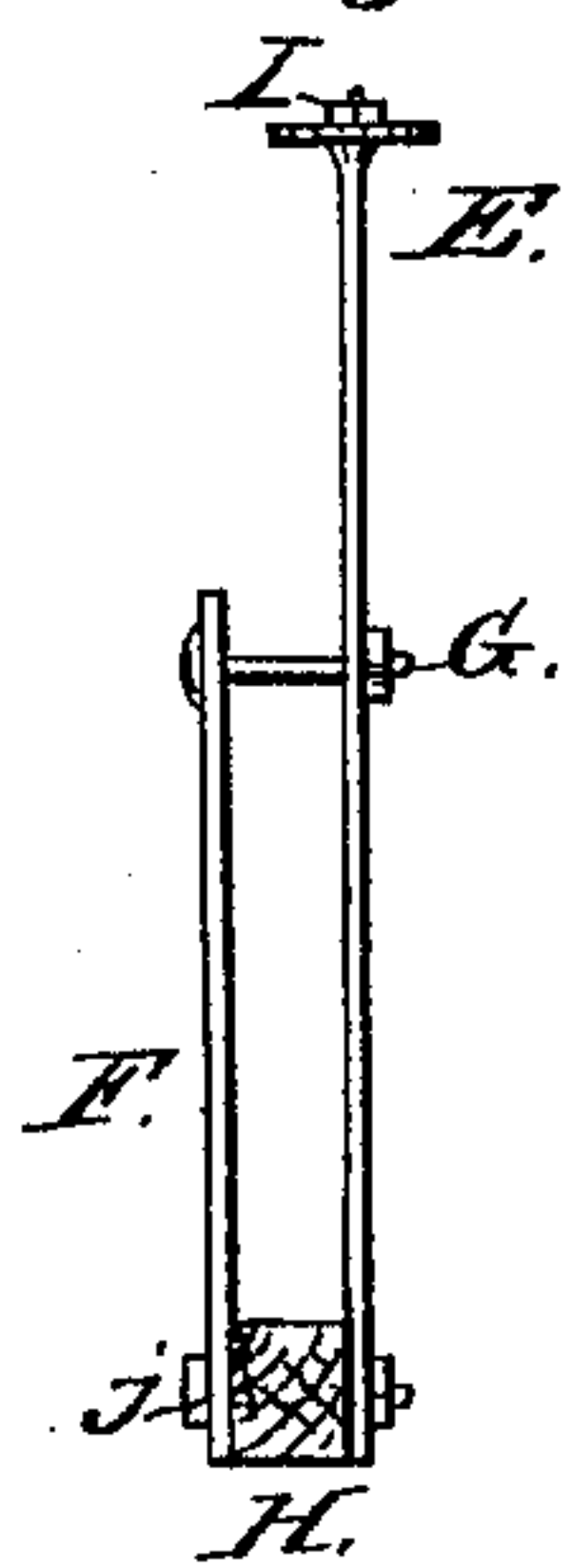


Fig. 4.

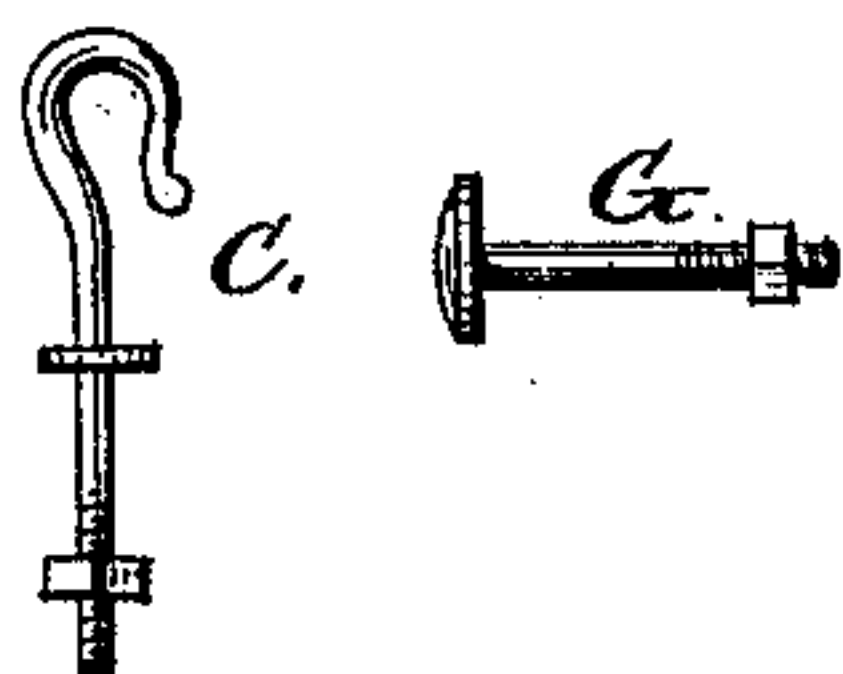
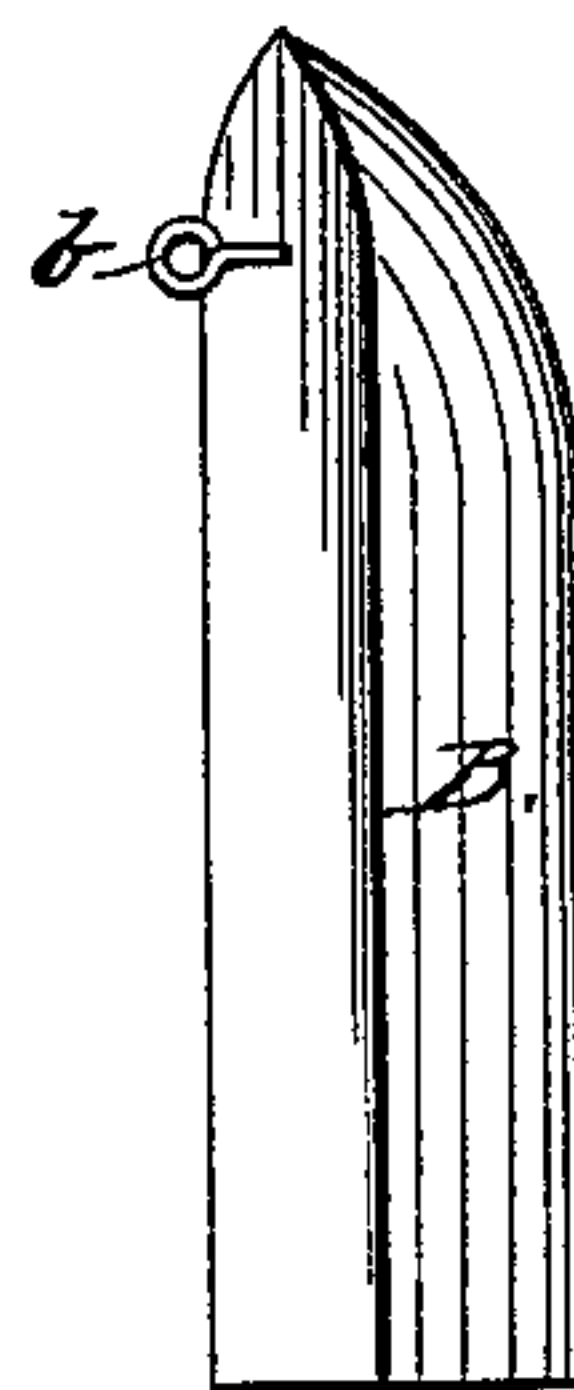


Fig. 5.



Witnesses:

*R. Lawton*  
*R. Houghton*

Inventor.

*Chas M Houghton*

# UNITED STATES PATENT OFFICE.

CHARLES M. HOGHTON, OF DELAVAN, ILLINOIS.

## IMPROVEMENT IN MARKERS FOR CORN-PLANTERS.

Specification forming part of Letters Patent No. **198,514**, dated December 25, 1877; application filed May 20, 1876.

*To all whom it may concern:*

Be it known that I, CHARLES M. HOGHTON, of Delavan, in the county of Tazewell, in the State of Illinois, have invented an Improvement in Markers of Land for Corn-Planters or Corn-Planting; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which like letters of reference refer like to parts, and where—

Figure 1 represents a rear elevation of a planter with the marker attached thereto; Fig. 2, a longitudinal elevation of the gage or marker; Fig. 3, a side elevation of standards on the planter, to which the marker is hooked. Fig. 4 is a view of hooked pin and bolt by which the marker is suspended from the planter. Fig. 5 is a view of the marker.

The object of this invention is to provide a method of adjusting the sliding marker-rod laterally as well as perpendicularly, so that by means of an inclined position given to the runners on the ends of the rod, the marker can be more conveniently adjusted and made to run easier.

This marker consists of a light rod, of wood or metal, about ten feet in length, terminating at either end in a sled-runner-shaped drag or scratcher, and further provided with two or more hooks or sliding and adjustable supports, by which to adjust and suspend the rod within a proper support on the planter or other carriage, in such a manner that one end of the rod can rest upon the soil at a right angle from the planter or carriage, and be adjustable at any distance required for indicating the line for planting. A cord attached to either end of the rod draws it, the cord being carried forward and attached to the hames or harness of the draft-animal or other place, one rope being slack while the other is taut or tense. The rod is reversed, to mark the opposite side of the planter, by readjusting or sliding the marker-rod to the opposite side of the planter or other carriage.

I construct the marker as follows: In the

drawings, A is the rod of the marker, of any convenient length—say ten feet—ending at either point in a keel-shaped runner, B, set thereon at a right angle, and provided with a staple or eye, *b*, for the attachment of the respective ropes D D, which are secured at the forward ends to the draft-animal, that rope being always slack which passes from that end of the marker which happens to be nearest to the standard E. C C are hooks on rod A, placed at the required distances from the drags or runners B B, to suspend said rod upon the pin G in the standard E, as alternate detents, according to the side mark required to be made, or that end of the rod which is intended to mark; E, standard fastened to the seat I and cross-bar H on back of planter, provided with the keyed pin G, to support either end of the marker-rod. F is an upright fastened to said bar H and standard E, parallel to the latter, leaving room between standard E and upright F for the sliding of the rod A back and forth with facility.

The operation of this marker is briefly told: It marks one side at a time, and to reverse it or mark a line on the other side of the planter or other carriage, the hook E is disengaged from the pin G, and that end of the rod is then extended and the other hook attached to the same pin. In turning the planter the foot is placed on the highest end of the rod A, so as to raise the other end and unhook one of the detents C, and extend the rod on the other side.

What I claim as my invention is—

The marker for corn-planters, consisting of the standard E and upright F, forming a slot to receive the sliding marker-rod A, provided with inclined runners B B and hooked pins C C, to suspend and adjust said rod from the vertically-adjustable pin G, substantially as shown and set forth.

CHAS. M. HOGHTON.

Witnesses:

L. D. LAWTON,  
R. HOGHTON.