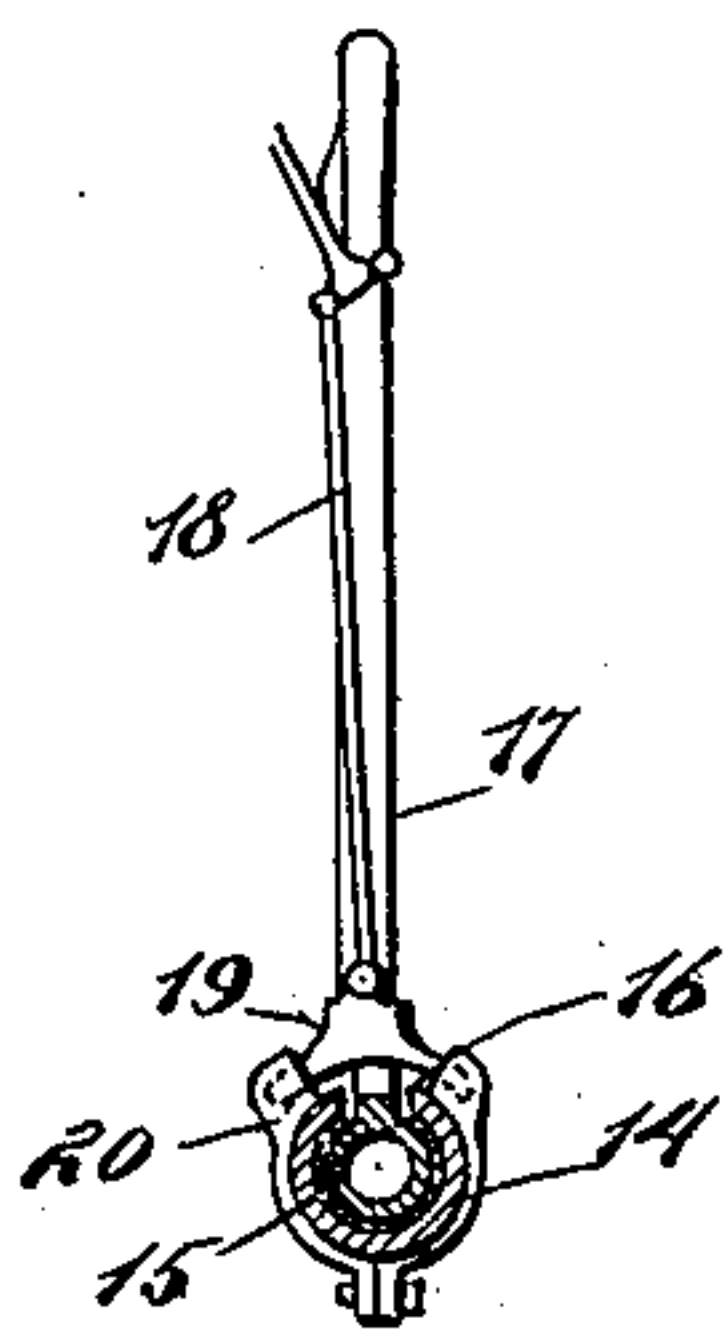
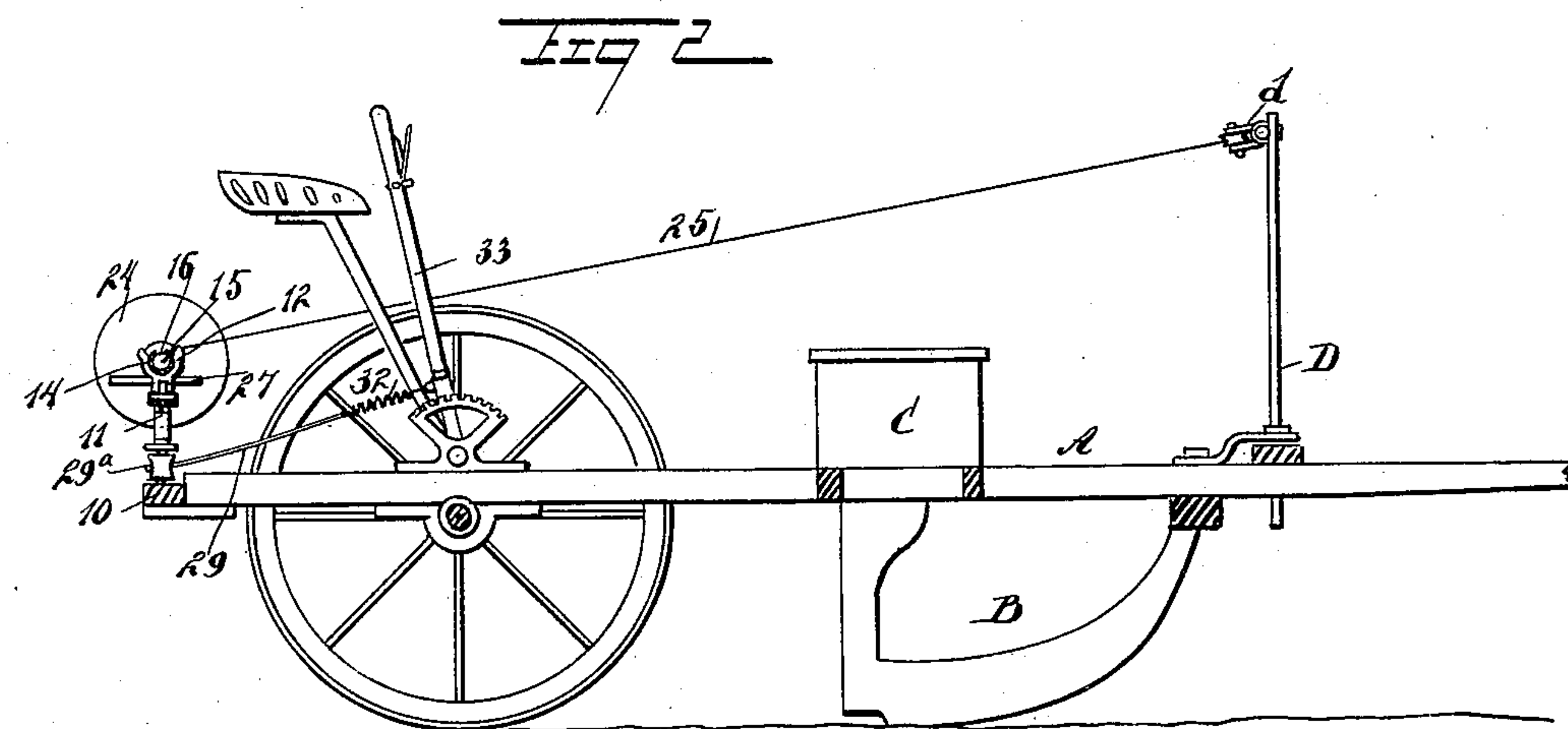
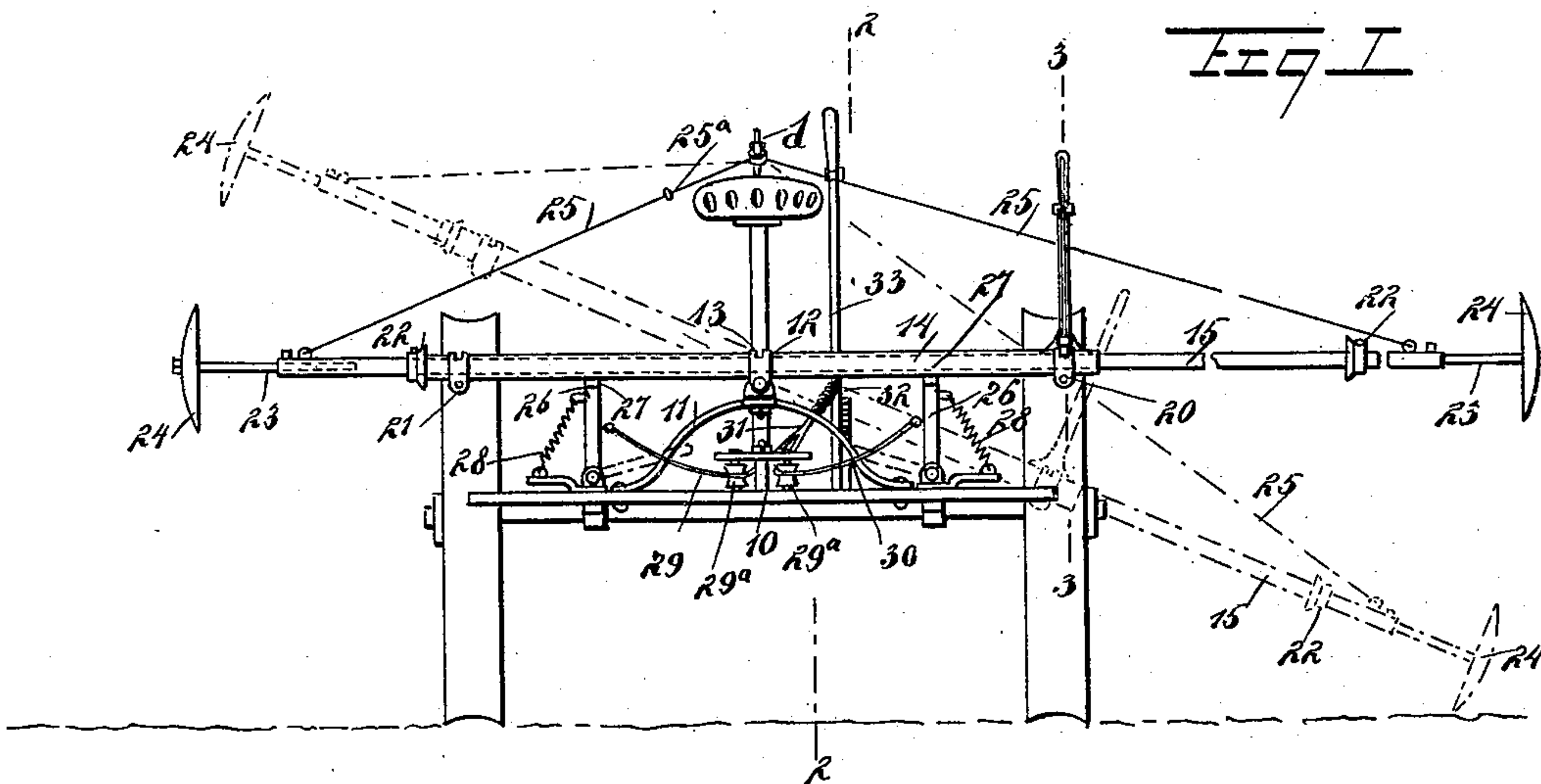


(No Model.).

R. I. BRUNDAGE.
MARKING ATTACHMENT FOR PLANTERS.

No. 599,992.

Patented Mar. 1, 1898.



WITNESSES :

H. Walker

INVENTOR

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UNITED STATES PATENT OFFICE.

REUBEN I. BRUNDAGE, OF CAIRO, NEBRASKA, ASSIGNOR OF ONE-HALF TO
CHAUNCEY M. NORTH, OF SAME PLACE.

MARKING ATTACHMENT FOR PLANTERS.

SPECIFICATION forming part of Letters Patent No. 599,992, dated March 1, 1898.

Application filed October 28, 1897. Serial No. 656,659. (No model.)

To all whom it may concern:

Be it known that I, REUBEN I. BRUNDAGE, of Cairo, in the county of Hall and State of Nebraska, have invented a new and Improved
5 Marking Attachment for Planters, of which the following is a full, clear, and exact description.

The object of my invention is to provide a marking attachment for planters which can
10 be shifted from side to side and brought into action at either side of the machine with two motions, the adjustment of the marker being accomplished without the driver dismounting and without stopping the team.

15 Another object of the invention is to provide a means whereby while the planter is in motion the marker may be raised and lowered so as to clear any obstruction that may be encountered, it being possible to drop the
20 marker immediately after the obstruction has been passed.

Another object of the invention is to provide an adjustable marker which will be exceedingly simple, durable, and economic.

25 The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying
30 drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a rear elevation of the frame of a planter having the marking attachment applied. Fig. 2 is a vertical longitudinal section taken on the line 2 2 of Fig. 1; and Fig. 3 is a transverse section through the marker, taken substantially on the line 3 3 of Fig. 1.

A represents the frame of a planter; B, one
40 of the runners; C, the seedbox, and D a stand-ard which extends upward from the front central portion of the planter-frame, being provided at the top with a rearwardly-extending pulley *d*.

45 A cross-bar 10 is secured to the rear of the planter-frame transversely of the same, as shown in Fig. 2, and on the cross-bar 10, at the center, an upwardly-arched support 11 is secured. A sleeve 12 is swiveled to the up-
50 per central portion of the arched support 11, and the said sleeve is divided at the top and

is made to flare forwardly and rearwardly and is provided at the central portion of its upper members with opposing slots 13. A tube 14, forming a portion of the marker, is
55 secured at the center to the sleeve 12, and in the tube 14 a second tube 15 is held to slide endwise, the inner tube 15 of the marker extending a predetermined distance beyond the ends of the outer or body tube 14. In order
60 that the tube 15 may freely slide in the outer tube 14, the latter is preferably provided with rollers or balls engaging the inner tube.

The body-tube is provided in its upper surface with a longitudinal slot 16, as shown
65 in Figs. 2 and 3, and at one side of the center of the inner tube 15 a lever 17 is secured to said inner tube, passing through the slot 16 of the outer tube of the marker, as shown in Fig. 3. The lever 17 is provided with a
70 thumb-latch 18, which carries at its lower end a locking-head 19, capable of entering the slots 13 in the sleeve 12, and likewise entering similar slots in the sleeves 20 and 21, constructed in like manner as the sleeve 12, the
75 sleeves 20 and 21, however, being secured to the outer or body tube of the marker, one near each of its ends, as illustrated in Fig. 1.

It is evident that through the medium of the lever 17 the inner tube may be moved
80 endwise in the outer or body tube and that when either of the sleeves 12, 20, or 21 is reached the locking-head 19 of the lever 17 may be made to enter the slots of the said sleeves and hold the marker stationary. 85

If the marker is being used at the right-hand side of the machine, the locking device of the lever 17 will be engaged by the right-hand sleeve 20, and if the marker is to be used on the left-hand side of the machine the
90 locking-head of the lever 17 will be brought to an engagement with the left-hand sleeve, and when the machine is being taken to or from the field the marker is securely located centrally with respect to the machine and the
95 locking device of the lever 17 will engage with the central sleeve 12.

A collar 22 is adjustably secured near each end of the inner tube 15, the collars being adapted for engagement with the ends of the
100 outer or body tube 14 of the marker, limiting the movement of the inner tube in direction

of the right and in direction of the left hand side of the machine. The marking-blocks 24 may be of any approved construction and are attached to rods 23, which are made to enter the ends of the inner tubular section 15 of the body of the marking device, being held adjustably yet securely in the said inner tube by means of suitable set-screws. A wire, a chain, or a rope 25 is attached at its ends to the end portions of the inner tube 15 of the marking device, the said wire, chain, or rope being passed over the front pulley *d*, heretofore alluded to, and a knot or a button 25^a is formed in or secured upon the wire, rope, or chain 25, so as to limit the movement of the said wire on the pulley *d*, as illustrated in Fig. 1.

Near each end of the cross-bar 10, added to the frame of the planter, a supporting-bar 26 is pivoted, each supporting-bar being provided with a head-section 27. These head-sections are adapted for engagement with the body or outer section 14 of the marking device, and when the supporting-bars 26 are in a vertical position, as shown in Fig. 1, they will hold the marking device from possible engagement with the ground. The supporting-bars 26 are adapted to drop in an inwardly direction or in direction of each other. Each supporting-bar 26, however, is normally held in an upright position by a spring 28. Each supporting-bar is attached to a cord or a rope or the equivalent thereof and designated as 29 and 30, and each cord or rope is passed over a pulley 29^a, suitably journaled upon the cross-bar 10, one at each side of the center of the said bar. The cords or ropes 29 and 30 are carried forwardly and are connected to a single cord or rope 31, which in its turn is attached to a spring 32, and this spring is connected with a lever 33, which may be independent of the operative portions of the planter or which may be employed to raise the pendent portions of the planter from the ground when the planter is not in use.

In the operation of the device if the marker is to be used at the right-hand side of the machine, as shown in Fig. 1, and the marking attachment is in its normal position the lever 17 is grasped by the operator and carried over to the right, taking with it the inner tube of the marking attachment until the left-hand collar 22 shall strike the left-hand end of the body portion 14 of the marking attachment. The locking device of the lever 17 is then made to engage with the right-hand sleeve 20, and the lever 33 is carried forwardly or in direction to drop the pendent portions of the planter, if controlling the same, whereupon the supporting-bars 26 will be dropped downward and the marking attachment will be left unsupported except at its pivot-point. By then drawing the rope, cord, or chain 25 in direction of the right-hand side of the machine until the button or knot 25^a shall strike the pulley *d* the marking attachment will be placed in the inclined position shown in

dotted lines in Fig. 1, the marking-head being in engagement with the ground.

Whenever an obstruction is encountered, all that is necessary is to carry the lever 33 rearward, which will bring the supports 26 to an upright position, thereby carrying the marking attachment a considerable distance from the ground and out of possible contact with the same or with a stump, large stone, or other form of obstruction.

Owing to the swivel connection between the tube 14 and its support the marker may be carried to a position lengthwise of the implement, enabling the implement to travel upon narrow roads and pass through ordinary gateways.

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

1. In a marking attachment for planters, a pivoted body-tube, an inner tube mounted to slide in the body-tube, adapted to receive marking-heads at its ends, a lever attached to the inner tube, and locking devices for the said lever, as specified.

2. In a marking attachment for planters, a support forming a portion of the planter-frame, a body-tube pivoted on said support, a section held to slide in the body-tube, marking-heads carried by the said sliding section, a lever attached to the inner section, being free to move in the body-section, locking devices for the said lever, and a wire or rope attached to the sliding section, being arranged to pass over a pulley located at a point in advance of the marker, for the purpose set forth.

3. In a marking attachment for planters, the combination, with a pivoted body-tube, a section held to slide in the body-tube, a lever connected with the said section, arranged for passage through the body-tube, and markers carried by the said sliding section, of supports arranged for engagement with the body-tube, and means, substantially as described, for dropping the said supports from engagement with the said body-tube, for the purpose specified.

4. In a marking attachment for planters, the combination, with a pivoted body-tube, a section held to slide in the body-tube, a lever connected with the said section, arranged for passage through the body-tube, and markers carried by the said sliding section, of supports arranged for engagement with the body-tube, means, substantially as described, for dropping the said supports from engagement with said body-tube, a wire or cord provided with a stop and attached to the end portions of the sliding section of the marker, a pulley adapted to be placed in advance of the marker and over which the wire or cord is passed, and means for supporting the said pulley, as and for the purpose specified.

5. In a marking attachment for planters, the combination, with the frame of the planter, a tube pivoted on the said frame, a bar held

to slide in the said tube, the tube being provided with a longitudinal slot and with keepers, marking-heads attached to the said sliding bar, and a lever provided with a locking latch attached to the sliding bar and extending through the slotted portion of the body-tube, of a wire or cord secured to the end portions of the said bar or rod, stops located on the said cords, a guide for the wire or rope, a lever, being a portion of the planter, pivoted

and spring-controlled supports for the body-tube, located at each side of its center, and a trip connection between the said supports and the lever forming a portion of the planter, as and for the purpose specified.

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Witnesses:

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