

No. 738,036.

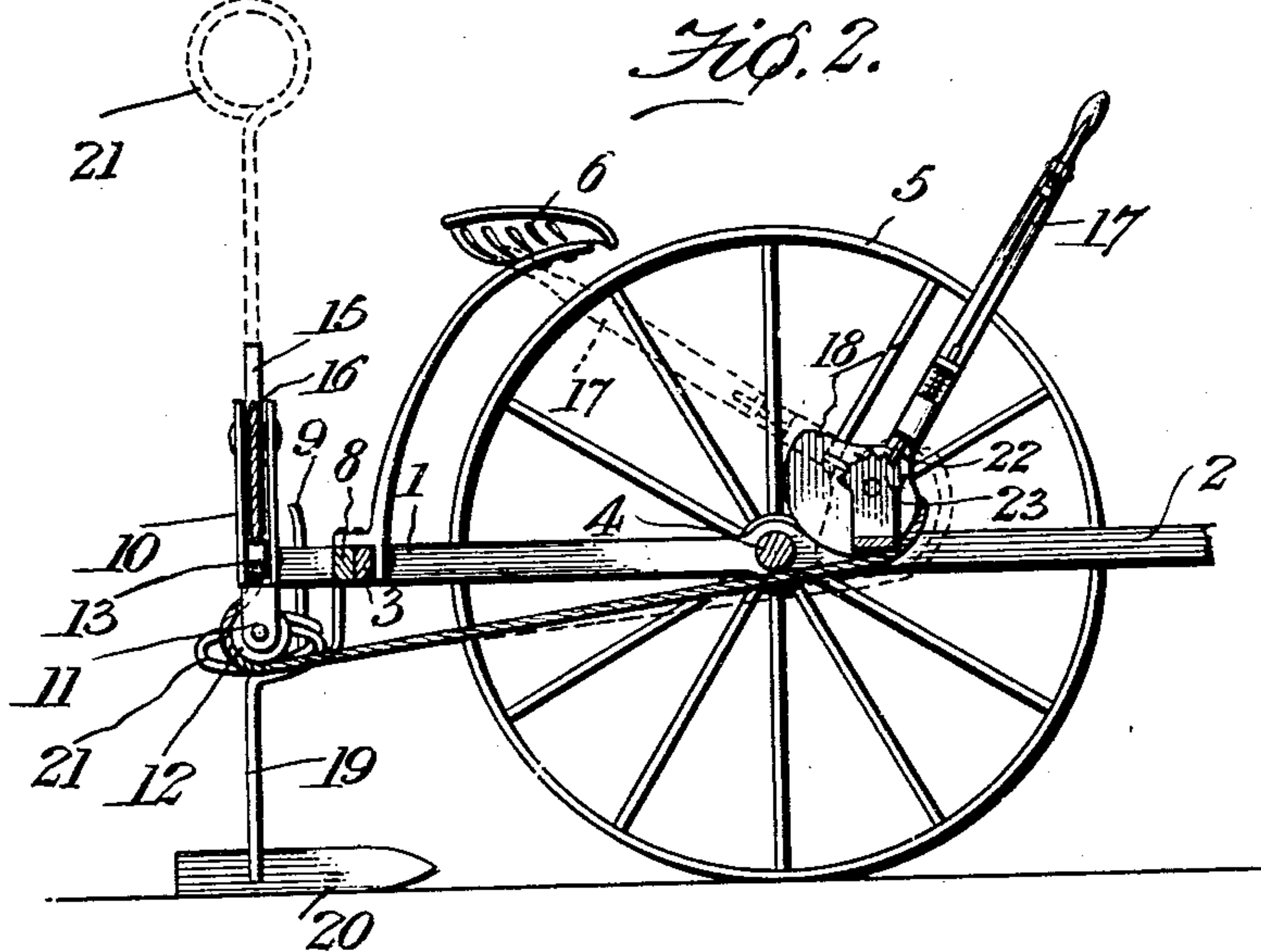
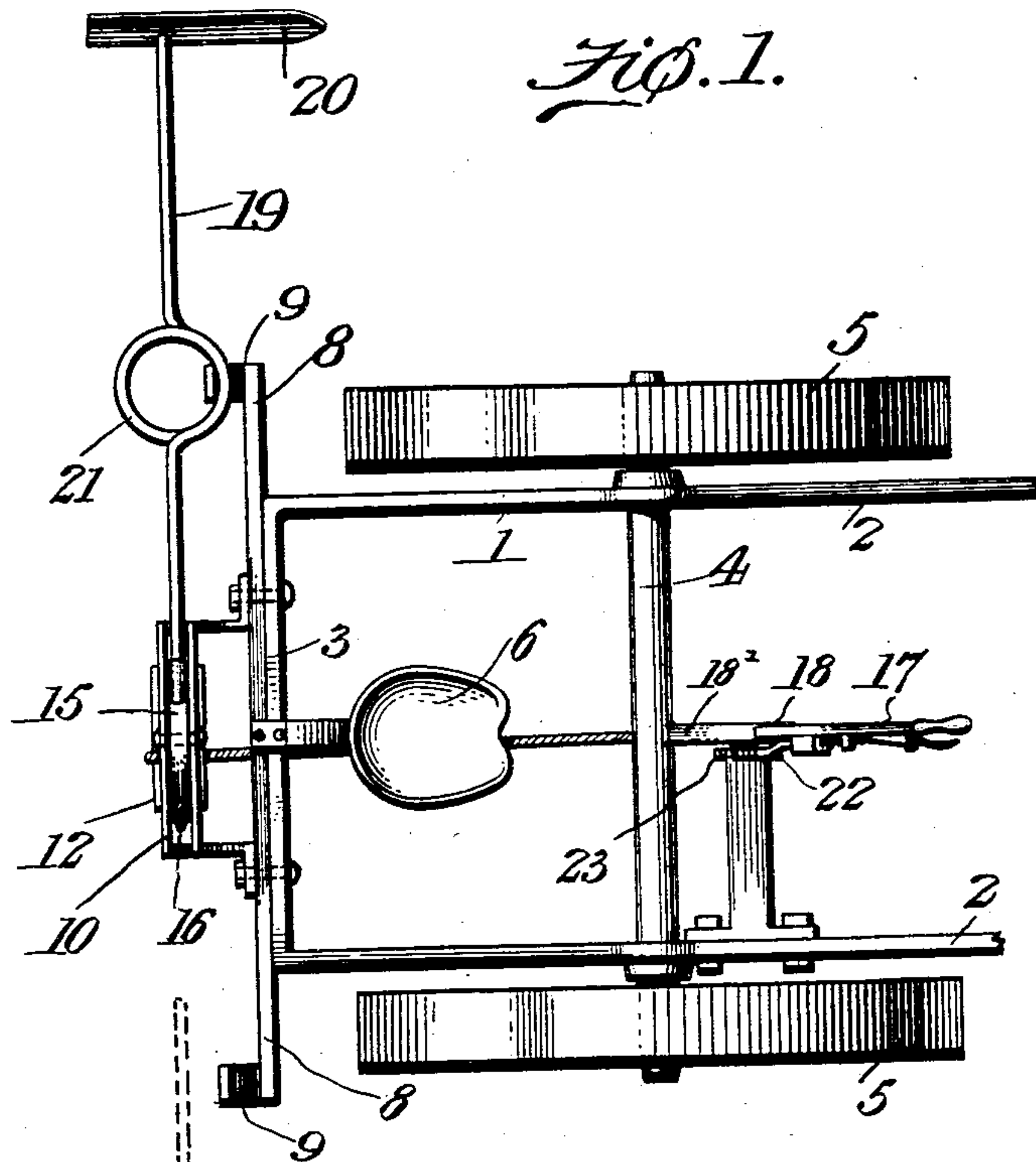
PATENTED SEPT. 1, 1903.

T. M. HENDRICKSON.
LAND MARKER.

APPLICATION FILED JUNE 1, 1903.

2 SHEETS—SHEET 1.

NO MODEL.



Witnesses
E. H. Stewart
Wm. Baggett

Thomas M. Hendrickson, Inventor:
by *C. A. Snowles*
Attorneys

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2 SHEETS—SHEET 2.

NO MODEL.

Fig. 3.

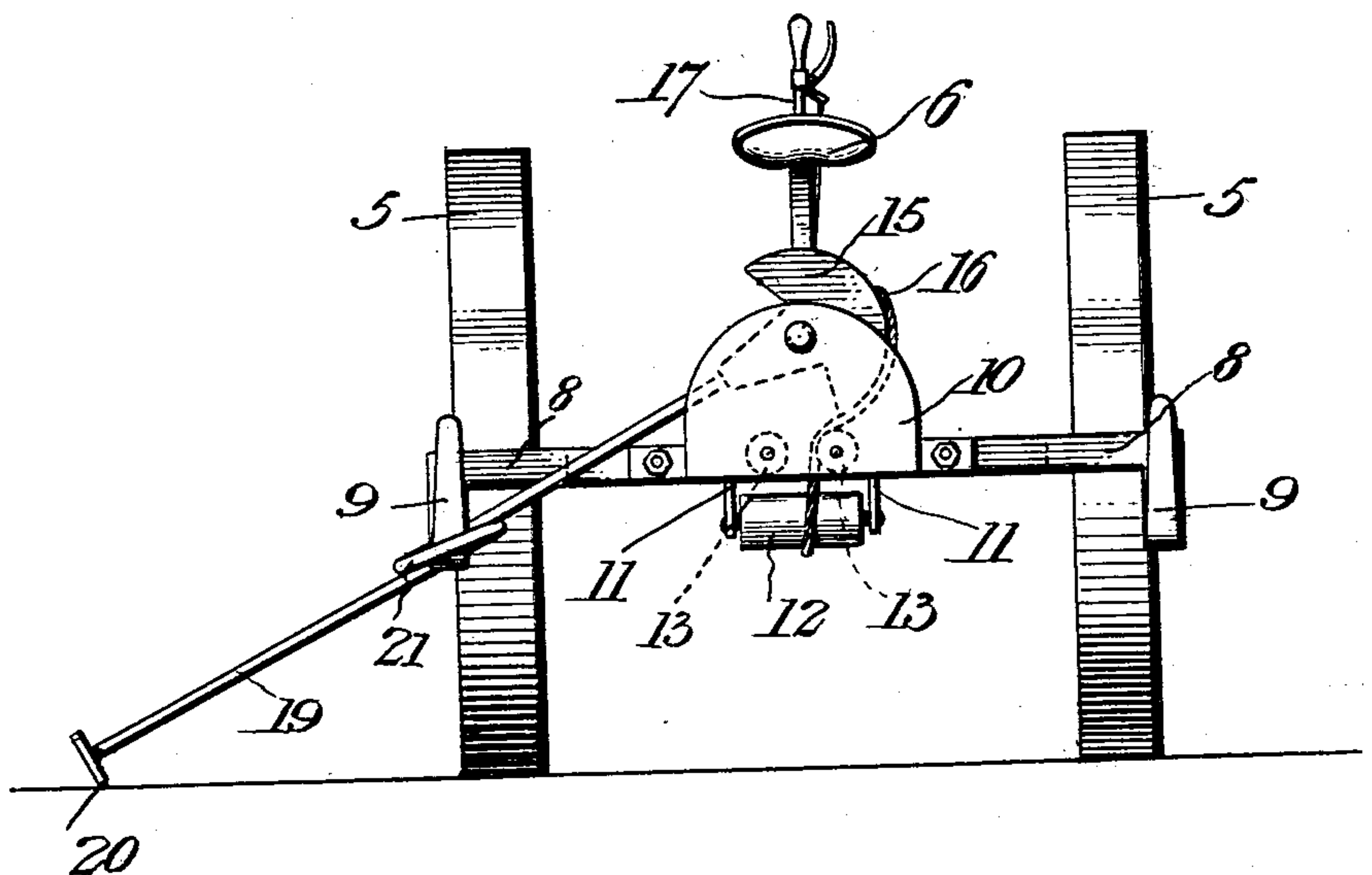
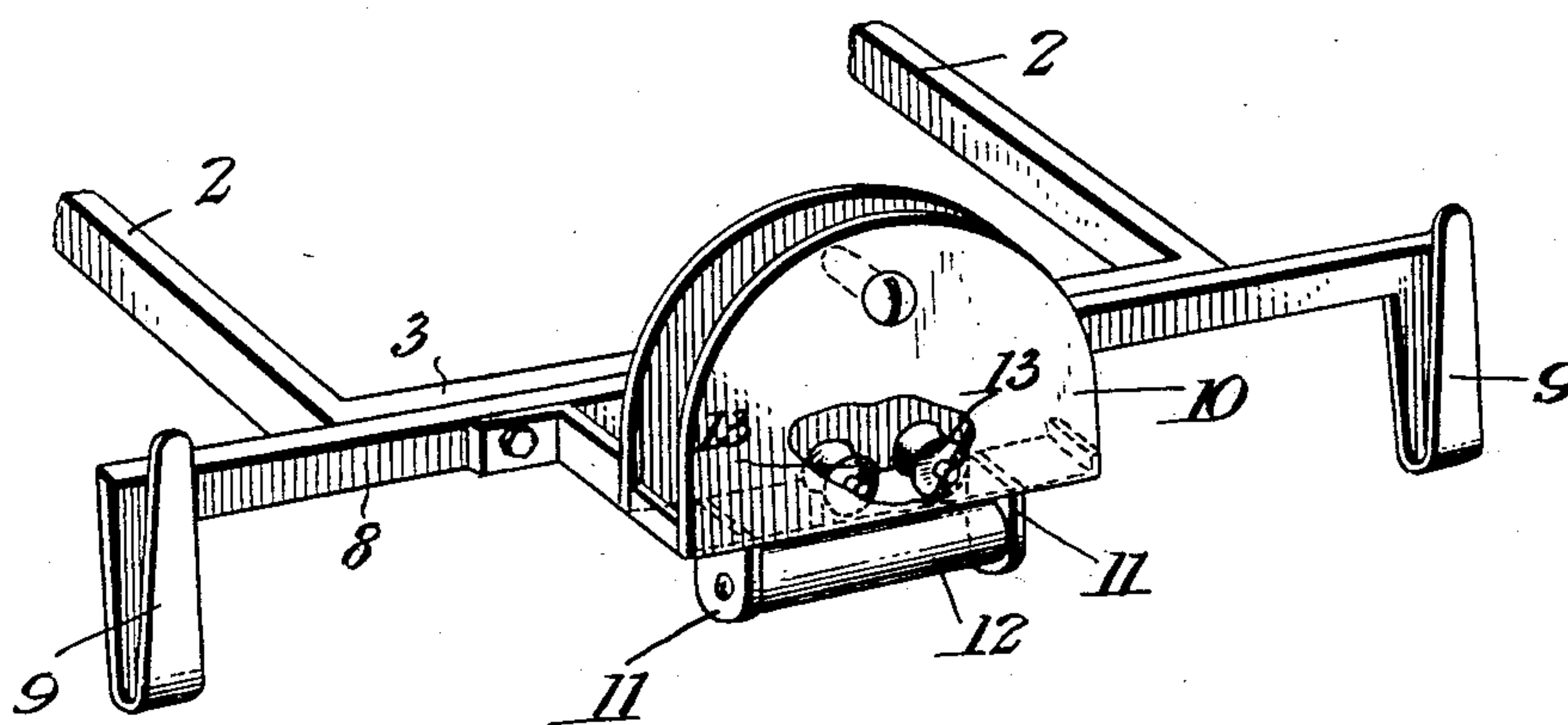


Fig. 4.



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UNITED STATES PATENT OFFICE.

THOMAS M. HENDRICKSON, OF LEES SUMMIT, MISSOURI.

LAND-MARKER.

SPECIFICATION forming part of Letters Patent No. 738,036, dated September 1, 1903.

Application filed June 1, 1903. Serial No. 159,563. (No model.)

To all whom it may concern:

Be it known that I, THOMAS M. HENDRICKSON, a citizen of the United States, residing at Lees Summit, in the county of Jackson and State of Missouri, have invented a new and useful Land-Marker, of which the following is a specification.

This invention relates to land-markers—such as are used, for instance, in connection with check-row corn-planters—and particularly to marking devices of the class which have been shown and illustrated in an application for Letters Patent of the United States filed by myself on the 27th day of February, 1903, Serial No. 145,426.

My said invention has for its object to provide a marking device which shall possess superior advantages in point of simplicity, durability, and general efficiency; and with these ends in view it consists in the improved construction, arrangement, and combination of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a top plan view of the rear portion of a planter-frame equipped with my improved marking device. Fig. 2 is a sectional side elevation of the same. Fig. 3 is a rear elevation. Fig. 4 is a perspective detail view of certain parts of the device.

Corresponding parts in the several figures are indicated by similar numerals of reference.

Inasmuch as my present invention does not in any wise relate to the planting mechanism, I have in the accompanying drawings only shown as much of the frame of a planter as is necessary to illustrate my invention, 1 designating a part of the frame of which 2 2 are the side pieces and 3 the rear cross-bar.

4 is the axle, carrying the traction-wheels 5.

6 is the driver's seat, supported by a spring 7 upon the rear cross-bar of the frame.

Upon the rear cross-bar 3 of the frame is bolted a metal strip 8, the ends of which are suitably bent, so as to form hooks 9. The same bolts which connect the strip with the cross-piece 3 serve for the attachment of a frame or casing 10, having depending lugs 11, between which is journaled a guide-roller 12. Guide-pulleys 13, disposed at right angles to

the roller 12, are journaled between the front and rear sides of the casing 11 near the lower edge of the latter. Pivotaly mounted upon a pin or bolt extending through the front and rear sides of the casing 10, near the upper end of the latter, is a segmental cam 15, from which a flexible connecting medium, such as a rope or chain 16, extends over the pulleys 13 and the roller 12 in a forward direction to a lever 17, which is suitably fulcrumed to the frame of the machine. The lower end of the lever 17 may be provided with a cam 18, to which the flexible connecting medium may be made fast, said cam being provided in the edge thereof with a groove 18', adapted to accommodate the flexible connecting medium when the lever 17 is worked upon its fulcrum. The cam 18 might, however, be omitted and the cord or chain 16 be attached directly to the lever 17 at any suitable point below the fulcrum thereof.

From the segment-cam 15 extends a rod 19, carrying at its outer end a marker-shoe 20, which is adapted to engage the ground on either side. The rod 19 may be formed of heavy wire or other suitable material, which may readily be twisted intermediate of its ends, so as to form a loop or coil 31, which is adapted to engage either one of the supporting-hooks 9, formed at the ends of the strip 8. I prefer that the parts 9 and 21 should be of ample size to be readily placed in engagement with each other when the marker-rod is tilted from an upright position to operative position, as will be presently described. I also prefer that the material of which the marker-rod 19 is made should be somewhat resilient, so that the shoe may readily yield in case it should encounter any obstructions. In such an event the marker-rod will yield not only owing to its natural resiliency, but also to the fact of the spring-coil 21 being formed thereon.

The handle of the operating-lever 17 is placed within convenient reach of the driver, and said lever may be retained at any desired adjustment by means of a suitably-operated lock-dog 22, engaging a rack-segment 23.

The operation of this device will be readily understood from the foregoing description, taken in connection with the drawings hereto

annexed. By manipulating the lever 17 the marker-rod may be raised from the ground to an approximately vertical position, in which position it remains while the machine is being turned. After this has been accomplished and when the lever 17 is released a slight tilt in the proper direction may be imparted by the driver, which will cause the marker-rod to drop to its proper position, which it assumes at exactly the proper moment.

I desire to have it understood that while I have in the foregoing described a preferred construction of my invention I do not necessarily limit myself to the structural details herein set forth, but reserve the right to any changes, alterations, and modifications which may be resorted to within the scope of my invention and without departing from the spirit or sacrificing the utility of the same.

Having thus described my invention, I claim—

1. A marking device for corn-planters comprising a casing, a segment-cam mounted in said casing, an operating-lever, a flexible connection between the latter and the segment-cam, and a marker-rod extending from the latter.

2. In a marking device for planters, the combination of a casing, a segment-cam mounted in said casing, an operating-lever, a flexible connection between said operating-lever and the segment-cam, guide-rollers for said flexible connection, and a marker connected with the segment-cam.

3. In a marking device for planters comprising a pivotally-mounted marking device, an operating-lever, a suitably-guided flexible medium connecting said lever with the pivotally-mounted marker, and means for retaining the operating-lever in adjusted position.

4. A marking device for planters comprising a pivotally-mounted marking device, an operating-lever fulcrumed transversely to the pivotal point of the marking device, a suitably-guided flexible connection between said

operating-lever and the marking device, and means for retaining the operating-lever in adjusted position.

5. A marking device for planters comprising a pivotally-mounted marking device, an operating-lever having a cam, a flexible medium connecting said cam with the pivotally-mounted marker, means for retaining the operating-lever in adjusted position, and suitably-disposed guiding means for the connecting medium.

6. A marker for planters comprising a stem having a spring-coil formed thereon, and a marking-shoe upon said stem.

7. A marker for planters comprising a pivotally-mounted stem carrying a shoe and having a spring-coil formed thereon, in combination with supporting-hooks adapted to engage said spring-coil.

8. A marker for seed-planters comprising a pivotally-mounted stem having a spring-coil formed thereon, a shoe at the end of said stem, a casing within which said stem is pivoted, and a strip provided at the ends thereof with supporting-hooks to engage the spring-coil upon the marker-stem.

9. In a device of the class described, a pivotally-mounted cam, a marker-stem extending from said cam, and having a spring-coil formed thereon, a shoe at the end of said stem, supporting-hooks adapted to be engaged by the spring-coil upon the stem, an operating-lever, a flexible connection between said operating-lever and the cam carrying the marker-stem, guiding means for said flexible connection, and means for retaining the operating-lever in adjusted position.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

THOMAS M. HENDRICKSON.

Witnesses:

W. A. LACY,
F. C. LEWIS.