(No Model.)

J. VALENTIEN.

ANCHOR FOR CHECK ROW PLANTERS.

No. 523,388. Patented July 24, 1894.

Fig. 1.

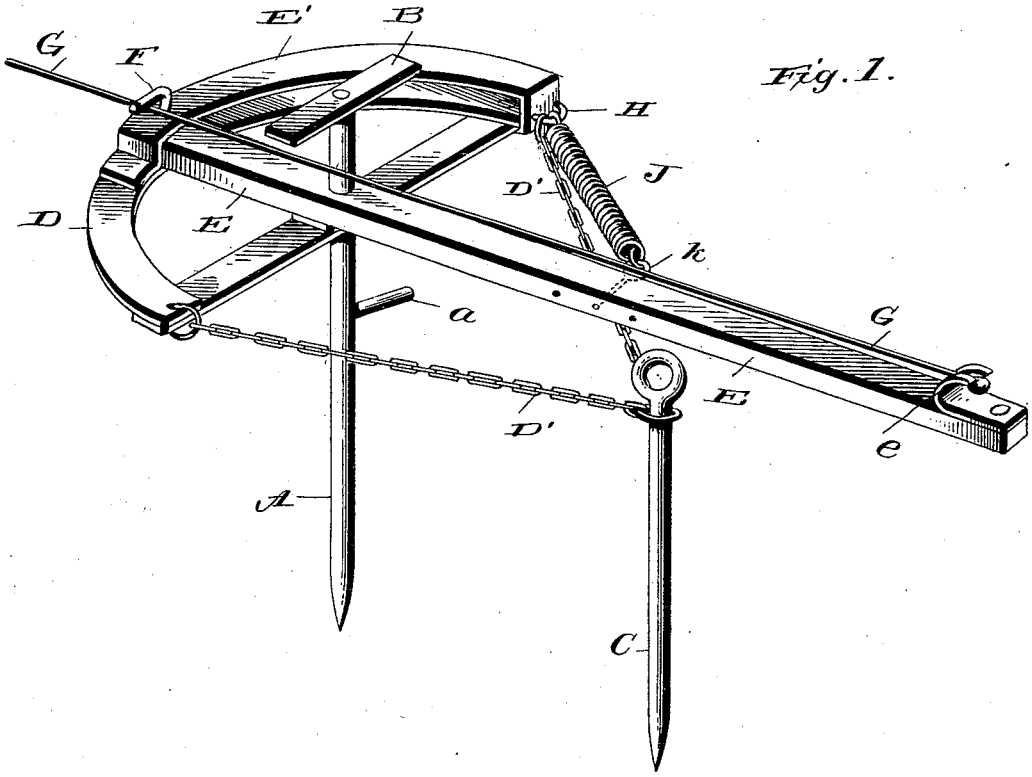
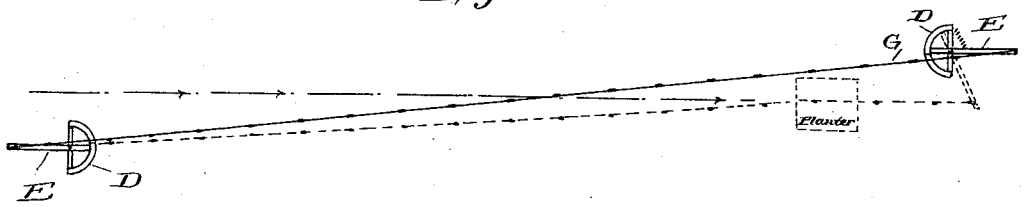


Fig. 2



Witnesses:
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UNITED STATES PATENT OFFICE.

JACOBUS VALENTIEN, OF APLINGTON, IOWA.

ANCHOR FOR CHECK-ROW PLANTERS.

SPECIFICATION forming part of Letters Patent No. 523,388, dated July 24, 1894.

Application filed May 12, 1894. Serial No. 511,058. (No model.)

To all whom it may concern:

Be it known that I, JACOBUS VALENTIEN, a citizen of the United States, residing at Aplington, in the county of Butler and State of Iowa, have invented certain new and useful Improvements in Anchors for Check-Row Planters; and I do 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 the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in anchors for check row planting wires, and the object in view is to provide means for laying over the line wire by a lateral adjustment of a spring actuated arm so as to obtain a uniform alignment of rows, as the planter crosses the field and returns in a double traverse thereof.

By my improved construction of anchor, the planter can be operated to the last notch of the wire, and the wire will be kept taut as when first stretched.

To these ends and to such others as the invention may pertain, the same consists further in the novel construction, combination, and adaptation of the parts, as will be hereinafter more fully described, and then specifically defined in the appended claim.

I clearly illustrate my invention in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1, is a perspective view of the anchor. Fig. 2, is a perspective view of my anchor as secured to the ground.

Reference now being had to the details of the drawings by letter, A, represents, an anchoring post which is provided with a lug or pin *a* as a foot rest when it is desired to force the anchor post into the ground. On the top of the post A, is the cross piece B, which is of sufficient length to form handles by which the post may be guided and forced into the ground.

C is a supplemental anchoring rod designed to be driven into the ground behind the post A, and this rod or post C is connected to the ends of the segment portion D, which is secured to the post A at any suitable distance from the hand cross bar fastened to its top.

Journaled on the post A, and resting on the semi-circular segment D, is the shaft E carrying at one end the claw *e*, in which the tappet ball of the wire is designed to engage when the wire is stretched across a field to be planted. Extending over preferably a half, of the semi-circular segment is the curved strip E′, thus forming a guide for the free end of the shaft or bar E. Directly above the free end of the said bar E, when in its normal position, is a hook F fastened to the end of the strip E′, which serves as a stop and guide for the wire G. Secured to one end of the semi-circular segment as at H, is the spring J, having its other end held by a screw eye *k* to the shaft E, at a location about midway its length. This spring is provided to return the shaft to its normal position after being under stress of the approaching planter drawing on the tappet wire, turned to a position at right angles to its original direction, which position enables the planter to make even and parallel rows to the end of the field. When the row is completed, the anchor is removed to the next row, and the operation of the planter repeated, it being understood, that an anchor of a similar construction, is placed at the opposite end of the field to be planted, and at the end of a parallel row to be planted. When the opposite end of the field is reached, the swinging arm, on the approach of the planter, is swung to a position at right angles to its original direction, and this operation is repeated until the whole field is covered.

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

In an anchor for check row planters, the combination of the two anchor posts, a semi-circular segment secured to one of the anchor posts, a spring actuated shaft journaled on the post A, and resting on the segment, a claw carried on the long arm of the said shaft for engagement with the tappet wire, the free end of the shaft turning on the upper surface of the semicircular segment, and held thereto by the strip E′, and a retaining hook carried at the end of the guide strip, all substantially as shown and described.

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

JACOBUS VALENTIEN.

Witnesses:
J. P. ARENDS,
F. BENGEN.