

(No Model.)

A. BARNES.

ANCHOR FOR CORN PLANTER CHECK ROW LINES.

No. 272,402.

Patented Feb. 20, 1883.

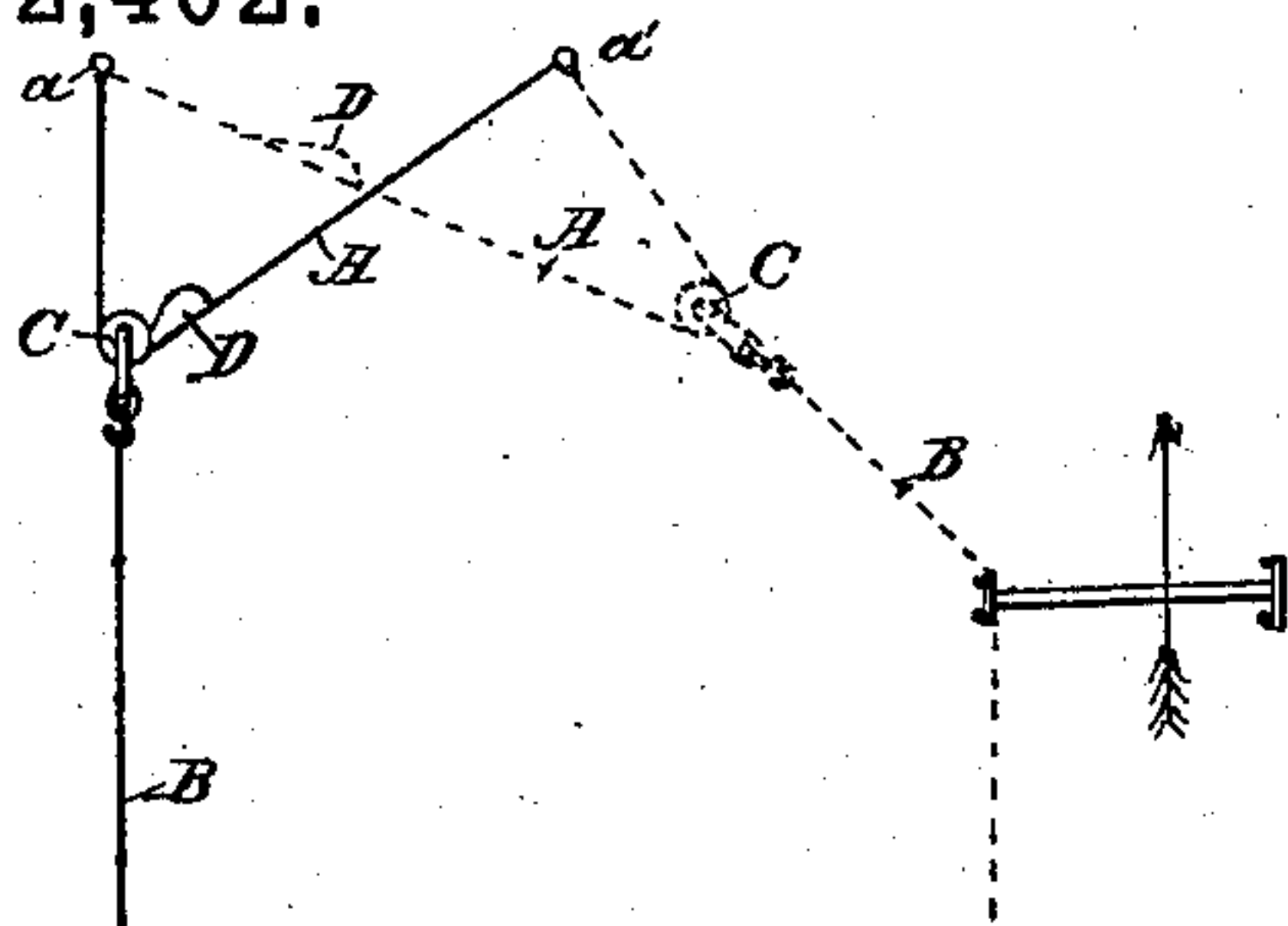


Fig. 1.

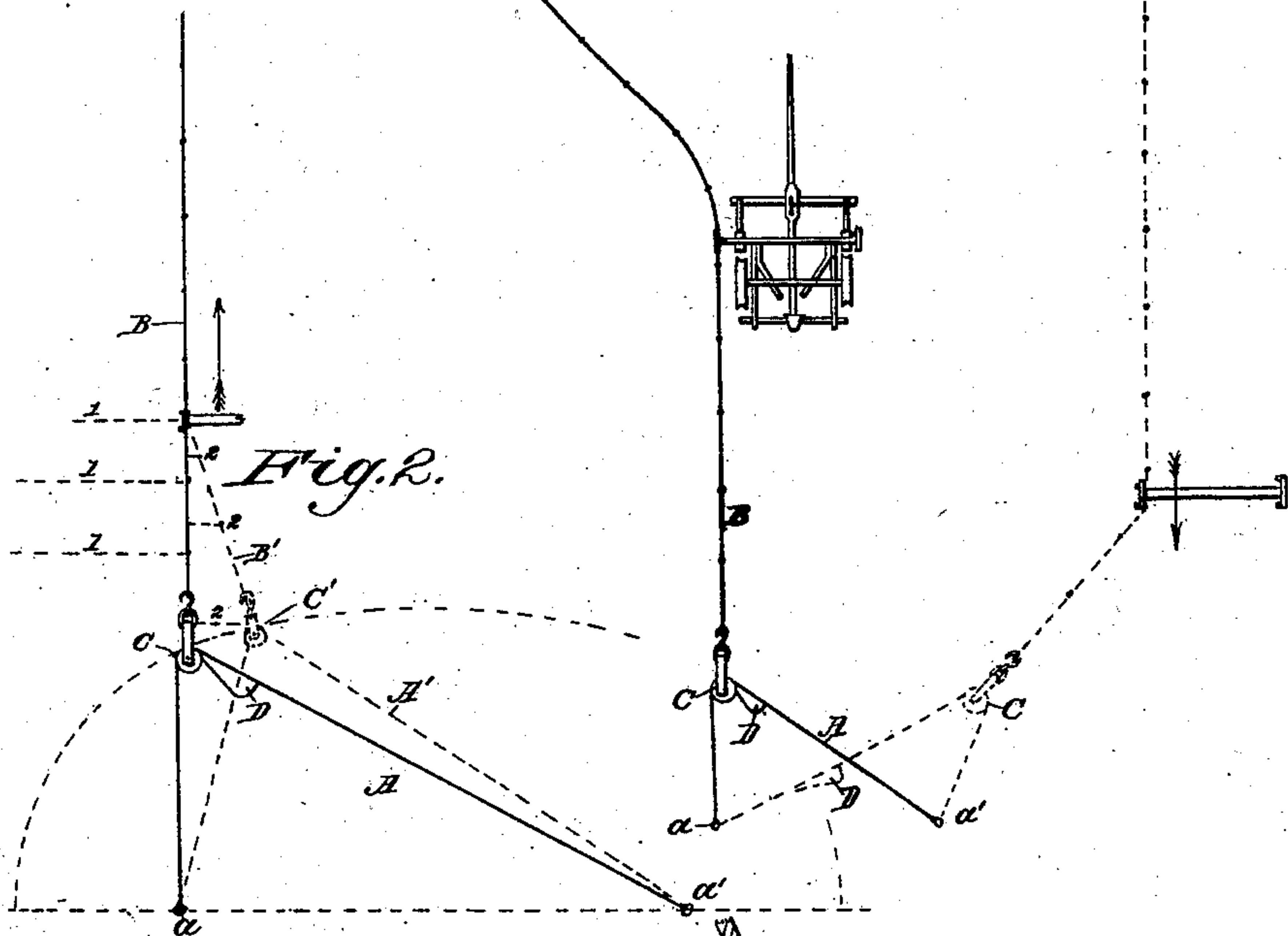
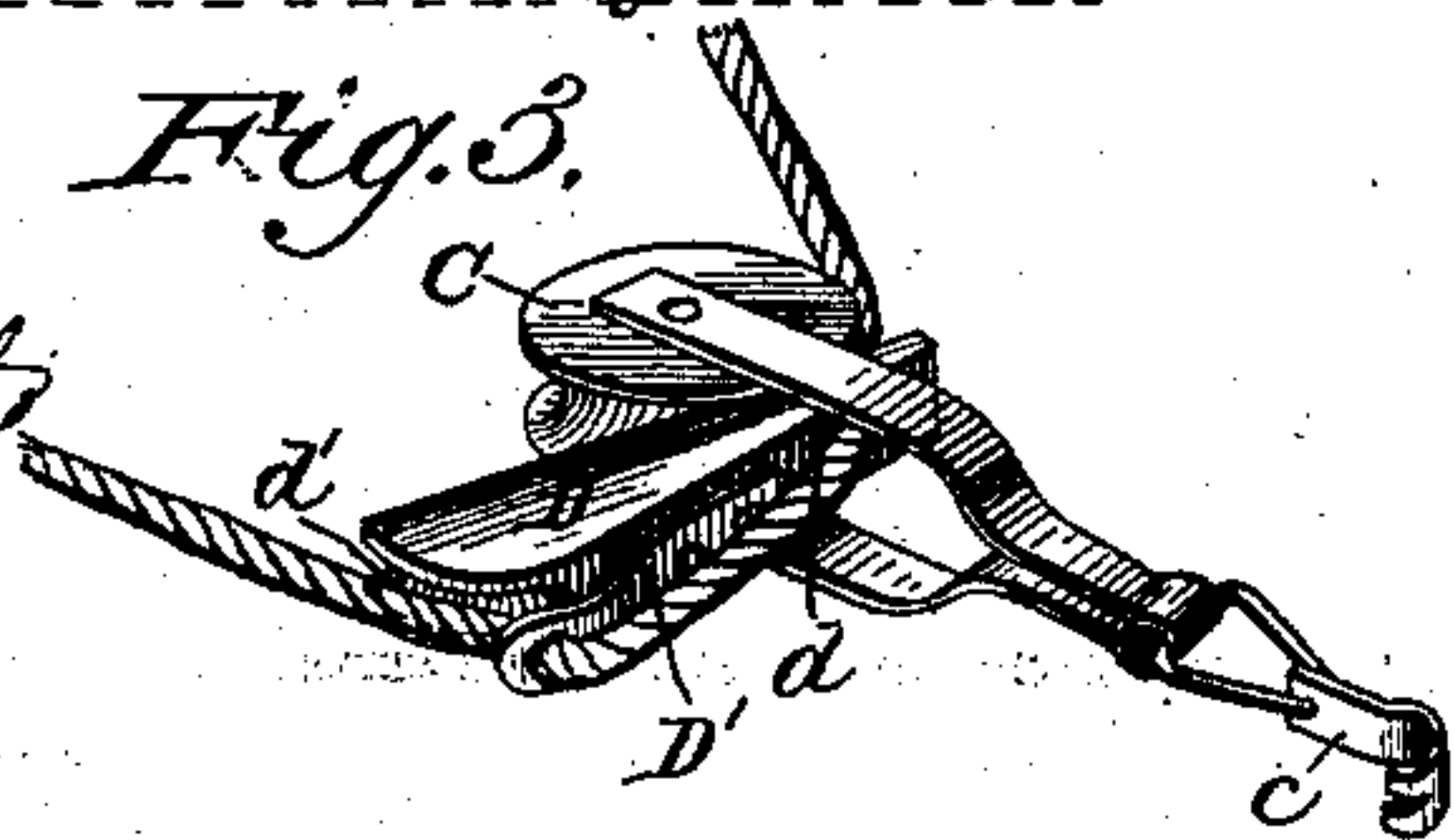


Fig. 2.

Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

ALDEN BARNES, OF BLOOMINGTON, ILLINOIS.

ANCHOR FOR CORN-PLANTER CHECK-ROW LINES.

SPECIFICATION forming part of Letters Patent No. 272,402, dated February 20, 1883.

Application filed December 1, 1882. (No model.)

To all whom it may concern:

Be it known that I, ALDEN BARNES, a citizen of the United States, residing at Bloomington, county of McLean, State of Illinois, have invented certain new and useful Improvements in Anchors for Corn-Planter Check-Row Lines; and I do hereby declare the following to be a full, clear, and exact description thereof, sufficient to enable others skilled in the art to make and practice the same.

My invention relates to anchors for check-row lines, which serve by a lateral shift to properly position the check-line during a double traverse of the field by the corn-planter.

The invention relates more particularly to adjustable anchors whereof that portion over which the check-line pulley runs is formed of flexible material.

The present invention consists, specifically, in the combination, with a flexible anchor, of a stop made preferably adjustable, against which the line-pulley may bear to insure even planting of the field, as hereinafter set forth.

Referring to the accompanying drawings, Figure 1 is a plan view of the improved anchor with check-line in position for planting. Fig. 2 is a plan view to illustrate comparatively the operation of flexible anchor with stop-block attached and unattached, the latter shown by dotted lines. Fig. 3 is a detail view of the stop-block.

A designates the main portion of the anchor, which is formed of any suitable flexible material, preferably cable-wire, chain, or rope. At the ends of this main portion A rings or loops are formed, through which pass the pins or stakes by means whereof the anchor is securely retained in the desired position in the field. The check-row line B is connected to the anchor through the medium of the pulley-block C, having the hook c.

The adjustable stop, as illustrated, consists of the bevel-faced block D, provided with a hole, d, and a groove, d', for the passage of the anchor rope or cable A, and to this block is secured the spring clip or strip D', which is also perforated to receive the rope or cable.

When the anchor has been set and the planter is in position to cross the field, as shown in Fig. 1, (full lines;) the stop-block D is adjusted on the anchor to a point that will bring pulley C in substantial alignment with stake-pin a and the trip mechanism of the seeder. The check-line B is thereby maintained essentially parallel to the prior course

of the planter, so that as the planter advances the trip will be operated at regular intervals and the seed be deposited in even lines with the previously-planted rows, which latter is an advantage of first importance in subsequent cultivation of the field.

It will be understood that block D can be moved with some facility over the anchor to effect the desired adjustment, and yet when once set is held in place against any strain of the pulley C or check-line by the bite of spring-plate D' and perforation d. The bevel-face of block D keeps pulley C snugly in position, as originally set; but when the retreating planter approaches the opposite side of the field the companion pulley C, there situated, overrides the face of block D and assumes position on the flexible anchor shown by dotted lines, Fig. 1, so that the end rows can be evenly planted and the planting be nearer to the side of the field than is practicable with anchors which are not flexible.

By referring to Fig. 2 the benefit of the stop-block becomes apparent, for when there is none the pulley C' tends to change its place along the anchor A', according to the strain of the check-line B' and the position of the planter, so that the rows 11 22 are apt to be in more or less irregular line.

It is obvious that other form of stop mechanism may be employed differing in construction from the stop-block heretofore described, but serving the same purpose therewith, and equally within the spirit of my invention.

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

1. A flexible anchor for corn-planter check-row lines, provided with a stop or rest, substantially as described.

2. The combination, with the flexible anchor for corn-planter check-row lines, of an adjustable stop-block, substantially as described.

3. The combination, with flexible anchor A, of the adjustable bevel-face block D, having plate D' and the check-row line B, provided with pulley C, the several parts being constructed to operate in conjunction with the seeding mechanism of a corn-planter, substantially as described.

In testimony whereof, witness my hand this 28th day of November, 1882.

Witnesses: ALDEN BARNES.
JESSE A. WILLSON,
R. S. MCINTYRE.