

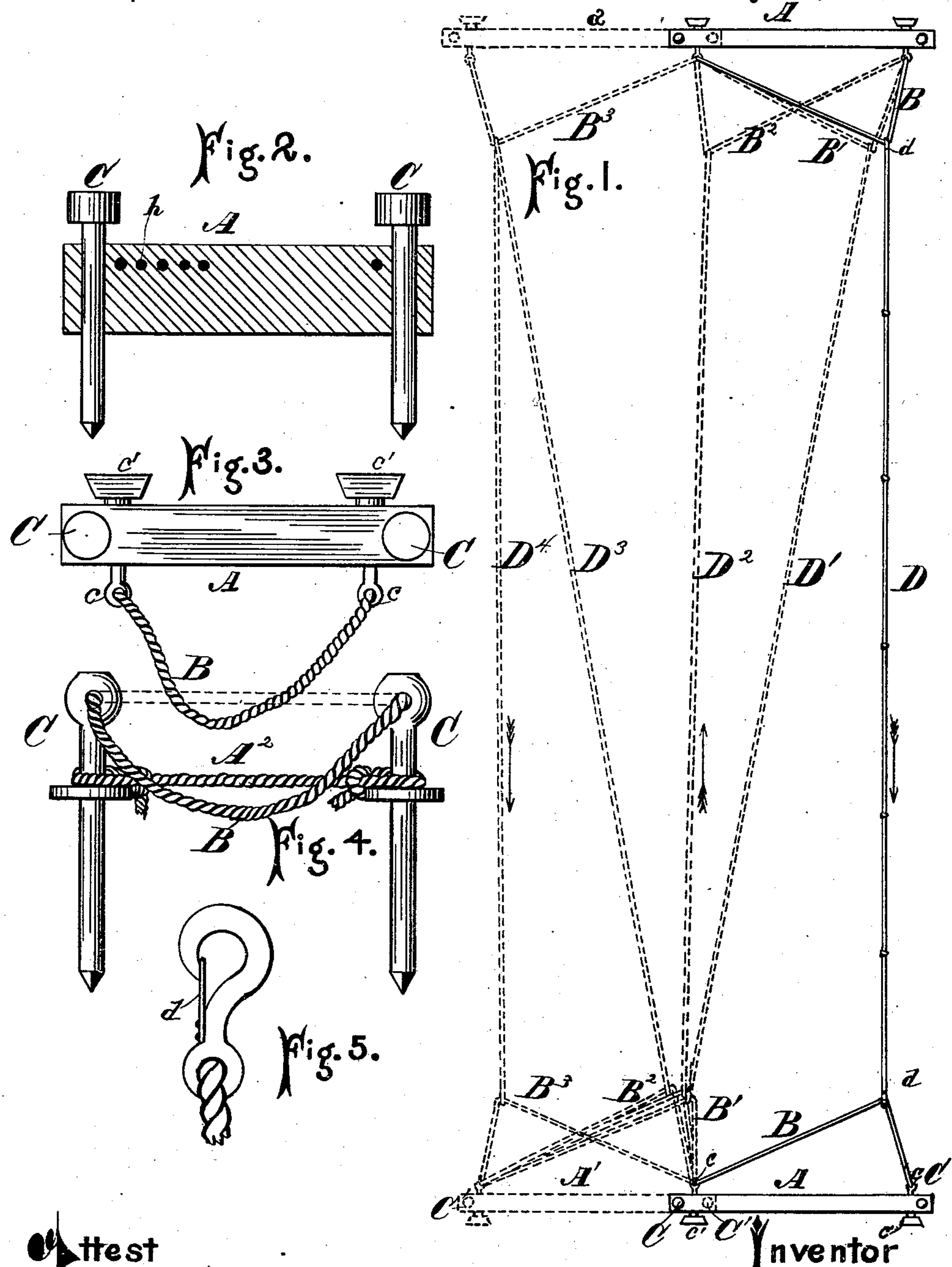
(No Model.)

B. KUHNS.

ANCHOR FOR CHECK ROWERS.

No. 260,881.

Patented July 11, 1882.



Test
Jno. C. Wiles
Jno. E. Jones

Inventor
Benjamin Kuhns
by Wood & Boyd
his Attorneys

UNITED STATES PATENT OFFICE.

BENJAMIN KUHNS, OF DAYTON, OHIO.

ANCHOR FOR CHECK-ROWERS.

SPECIFICATION forming part of Letters Patent No. 260,881, dated July 11, 1882.

Application filed December 9, 1881. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN KUHNS, a citizen of the United States, and a resident of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Anchors for Check-Rowers, of which the following is a specification.

My invention consists of an anchor for check-rowers. It is arranged so as to be adjusted or shifted from one side of the anchor to the other, either by the operator or by the movements of the machine at the opposite side of the field, so that the knotted chain, which is vertically over the plane of the row, can be quickly and easily changed from one row to the other at each end of the field.

The principal features of my invention consist of two anchor-pins adapted to be driven into the ground, a spacing device to adjust the pins a distance apart equal to the width of the row, and a guy rope or cord attached to the anchor, so as to form a loop for sustaining the knotted chain which operates the check-row planter.

Figure 1 represents one form of my improvement in position for operation. Fig. 2 is a central vertical section of the anchor device. Fig. 3 is a top plan view of the same. Fig. 4 is a modification of anchor. Fig. 5 is an inlet snap-hook.

A represents a spacer-beam, through which pass anchor-pins C C to fasten the same to the ground opposite the lines of two rows to be planted to keep the rows parallel. This spacer-beam may be made of wood or iron, as in Figs. 1, 2, and 3, or of a flexible cord, A², as shown in Fig. 4.

c c are eyelet-pins, which pass horizontally through the spacer-beam A, and they are placed the distance apart equal to the distance between the rows to be planted. The pins may be used with any device for spacing without being attached thereto.

h represents a series of holes pierced through the spacer-beam A to allow the eyelet-pin c to be adjusted from one to the other to regulate the spaces between the rows.

B represents the flexible guy-loop, composed of a cord, rope, or other similar or suitable flexible material; D, the knotted chain for operating the seed-dropping device. d is the snap-hook for attaching chain D to loop B.

Fig. 4 represents one of several various modifications which may be made in the characteristic features of the anchor-pins and spacing device, and also in the mode of attaching the guy-loop B, without essentially changing the features of my invention herein.

Mode of operation: Fig. 1 shows the device by solid lines in position for planting first row, the arrow indicating the direction of travel, and D the knotted chain vertically over the row to be planted. When first row is planted the operator releases the chain D from loop B and moves the anchor and anchor-pins to the left, and anchors it in the position shown by dotted lines A'. Chain D is then hooked into B', and it assumes position D'. As the planter is directed back across the field in the opposite direction it travels in lines D², and chain D and the opposite flexible loop, B, assume positions D² and B², lines D² indicating the second row. The anchor device A at the opposite end is then put in the position shown by dotted lines a, and the operation is then repeated, as before described, for planting the third row, (indicated by line D³), and so on until the field is planted.

When the device is made as in Fig. 4 the loop B may be made continuous, as shown by dotted lines, and pulled through from side to side as the pins C are respectively moved to align the next row.

I disclaim an anchor for check-row lines having the portion which the check-cord traverses formed of flexible material.

I claim—

1. An anchor for check-rowers, combining in its structure two spaced anchor-pins, a connecting device between the anchor-pins, and a flexible guy-loop with which the check chain or cord is connected, substantially as and for the purposes described.

2. An anchor for check-rowers, in which are combined two anchor-pins, a rigid connection between the same, and an attached flexible guy-loop with which the check chain or cord is connected, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

BENJAMIN KUHNS.

Witnesses:

V. P. VAN HORNE,
GEORGE O. WARRINGTON.