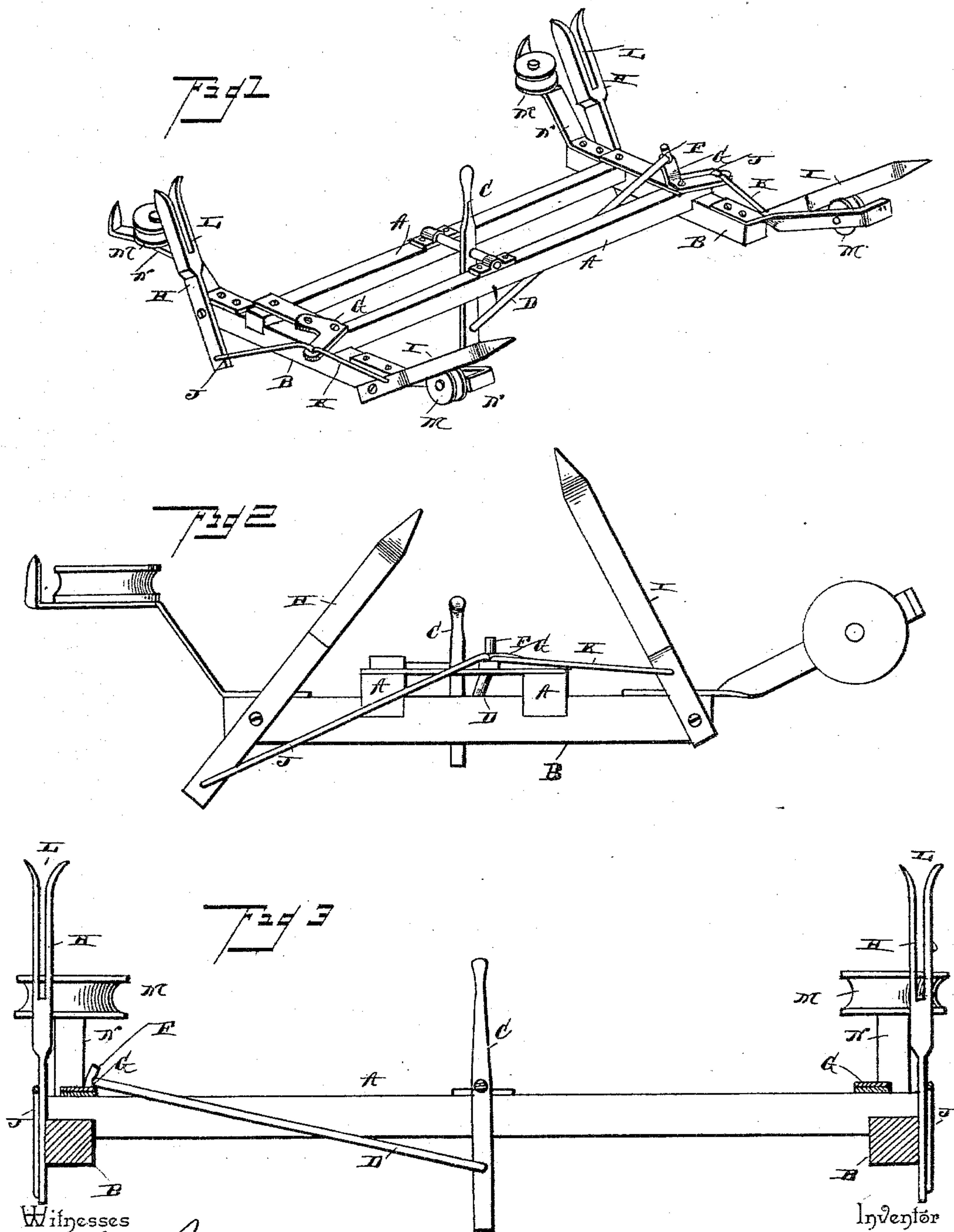


(No Model.)

E. CROKE.
CHECK ROW CORN PLANTER.

No. 412,368.

Patented Oct. 8, 1889.



Witnesses
John Imrie

R. B. Bishop.

By his Attorneys,

Edward Croke.

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UNITED STATES PATENT OFFICE.

EDWARD CROKE, OF STRASBURG, MISSOURI.

CHECK-ROW CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 412,368, dated October 8, 1889.

Application filed June 4, 1889. Serial No. 313,031. (No model.)

To all whom it may concern:

Be it known that I, EDWARD CROKE, a citizen of the United States, residing at Strasburg, in the county of Cass and State of Missouri, have invented a new and useful Check-Row Corn-Planter, of which the following is a specification.

My invention relates to improvements in check-row corn-planters; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved device. Fig. 2 is a side view of the same, showing the oscillating levers in a different position. Fig. 3 is a transverse section.

The frame of my improved device is of the usual construction and comprises the transverse bars A A and the side bars B, to which the ends of the said transverse bars are secured. The seed-boxes may be supported above the bars A A and the seed-slide controlled by a lever C, which is fulcrumed upon the said bars A A, at about the center of the same, in the usual manner. To the lower end of the lever C, I pivot the inner end of a pitman D, which is provided at its outer end with the T-head F, the ends of which are adapted to engage perforations of the inner ends of the angle-levers G. The said angle-levers G are pivoted on the upper side of the rear bar A, near the ends of the same, as shown.

Upon the side bars B, at the ends of the same, I pivot the oscillating levers H I, the front lever H being pivoted at a point above its lower end, and the rear lever I being pivoted at its lower end. These levers H I are connected with the angle-levers G by the pitmen J K, respectively, the pitman J having its front end pivoted to the lower end of the lever H, and its rear end pivoted to the angle-lever, and the pitman K having its front end pivoted to the angle-lever and its rear end pivoted to the lever I, above the pivot of the same. By this arrangement as the angle-levers are oscillated the levers H I will be simultaneously vibrated in contrary directions. The upper ends of the levers H

I are provided with the forks or bifurcations L, and the check-row wire passes through the said forks or bifurcations. The check-row wire is guided to the levers H I and held in engagement therewith by the rollers M, which are mounted on brackets N, secured to the ends of the side bars B and projecting from the same.

In practice the check-row wire is secured to suitable anchor-posts at the ends of the field, and the planter is then arranged at one end of the field with the wire passing over the pulleys M and the levers H I, as shown. The machine is then drawn over the ground and the levers H I thereby brought into contact with the knobs on the check-row wires. As the knob strikes the front lever H, the said lever will be vibrated, so as to oscillate the angle-lever, and thereby vibrate the seed-slide through the medium of the pitman D and the lever C. The knob will then pass from the lever H, and as the motion of the machine is continued will strike against the rear lever I, so as to vibrate the same and thereby actuate the seed-slide and also restore the lever H to its initial position, so that it may be readily acted upon by the next knob.

It will be observed that my device is composed of very few parts and will effectually plant the hills at regular distances apart. The pitman D is detachably engaged with the angle-lever by having the end of the T-head fitting in the perforation in the end of the said lever, so that the said pitman can be easily disengaged and reversed, so as to be attached to the angle-lever on the opposite side of the machine. This feature of the device will be found of especial advantage when the device on one side of the machine has been broken or otherwise injured, or when it is desired to plant a row close to a fence.

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

As an improvement in check-row corn-planters, the combination of the frame, the horizontal angle-levers G, pivoted thereon,

the oscillating levers H I, the pitmen connecting the oscillating levers with the angle-levers, the lever C, mounted on the frame, and the pitmen pivoted at one end to said lever
5 C, and provided at its free end with a T-head F, adapted to engage a perforation in either one of the angle-levers G, as specified.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in presence of witnesses.

EDWARD CROKE.

Witnesses:

WILLIAM H. PECK,
DENNIS TERRELL,
D. R. WALDEN.