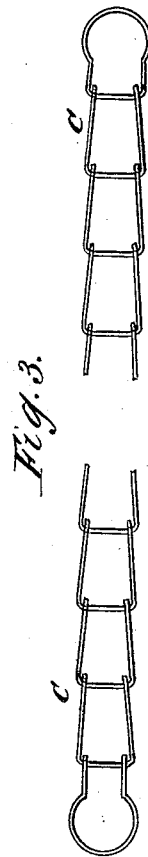
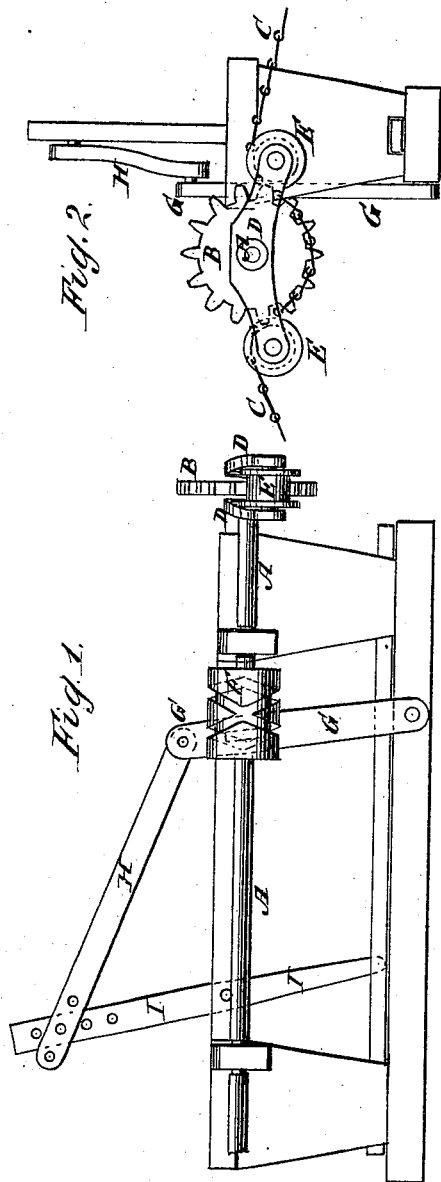


E. M. WILCOX.
Check-Row Attachment for Corn-Planters.
No. 196,849. Patented Nov. 6, 1877.



WITNESSES:

E. Wolff.
J. H. Scarborough.

INVENTOR:

E. M. Wilcox
BY *Munnell*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWARD M. WILCOX, OF WHITEWATER, WISCONSIN, ASSIGNOR TO LUCIUS
A. WINCHESTER AND JOHN S. PARTRIDGE, OF SAME PLACE.

IMPROVEMENT IN CHECK-ROW ATTACHMENTS FOR CORN-PLANTERS.

Specification forming part of Letters Patent No. **196,849**, dated November 6, 1877; application filed
June 9, 1877.

To all whom it may concern:

Be it known that I, EDWARD MONTAGUE WILCOX, of Whitewater, in the county of Walworth and State of Wisconsin, have invented a new and useful Improvement in Check-Row Attachments for Corn-Planters, of which the following is a specification:

Figure 1 is a front view of my improved device. Fig. 2 is a side view of the same. Fig. 3 is a detail view of a portion of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved device for attachment to corn-planters, to enable the field to be planted in accurate check-row, and which shall be simple in construction, positive in action, reliable in operation, not liable to get out of order, and not affected by changes of weather.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A is a shaft, which revolves in bearings attached to the hoppers, or some other convenient part of the planter. To one end of the shaft A is attached a chain-wheel, B, the teeth of which mesh into the links of a chain, C, extended across the field, and secured at its ends by stakes, anchors, or other suitable means.

To the end of the shaft A, upon the opposite sides of the chain-wheel B, are attached two cross-bars, D, to and between the ends of which are pivoted two guide-pulleys, E, over which the chain C passes, and which hold the said chain in place upon the chain-wheel B.

To the shaft A is attached a cylinder, F, in the face of which is formed a figure 8, cam-groove, in which slides a shoe attached to a bar, G. The lower end of the bar G is pivoted to the frame of the planter, and to its upper end is pivoted the end of the bar H.

The other end of the bar H is pivoted to the upper end of the lever I, which is pivoted to the frame of the planter, and the lower end of which is connected with the seed-dropping slide of said planter.

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

A nattachment for check-row planters, consisting of shaft A, sprocket-wheel B, frame D, with pulleys E, 8-cam F, pivoted bars G H, and lever I, all connected, constructed, and arranged as shown and described, for the purpose specified.

EDWARD M. WILCOX.

Witnesses:

HENRY HEADY,
SAMUEL NELSON.