

J. STATLER.
Check-Row Attachment for Corn-Planter.
No. 223,821. Patented Jan. 27, 1880.

Fig. 1.

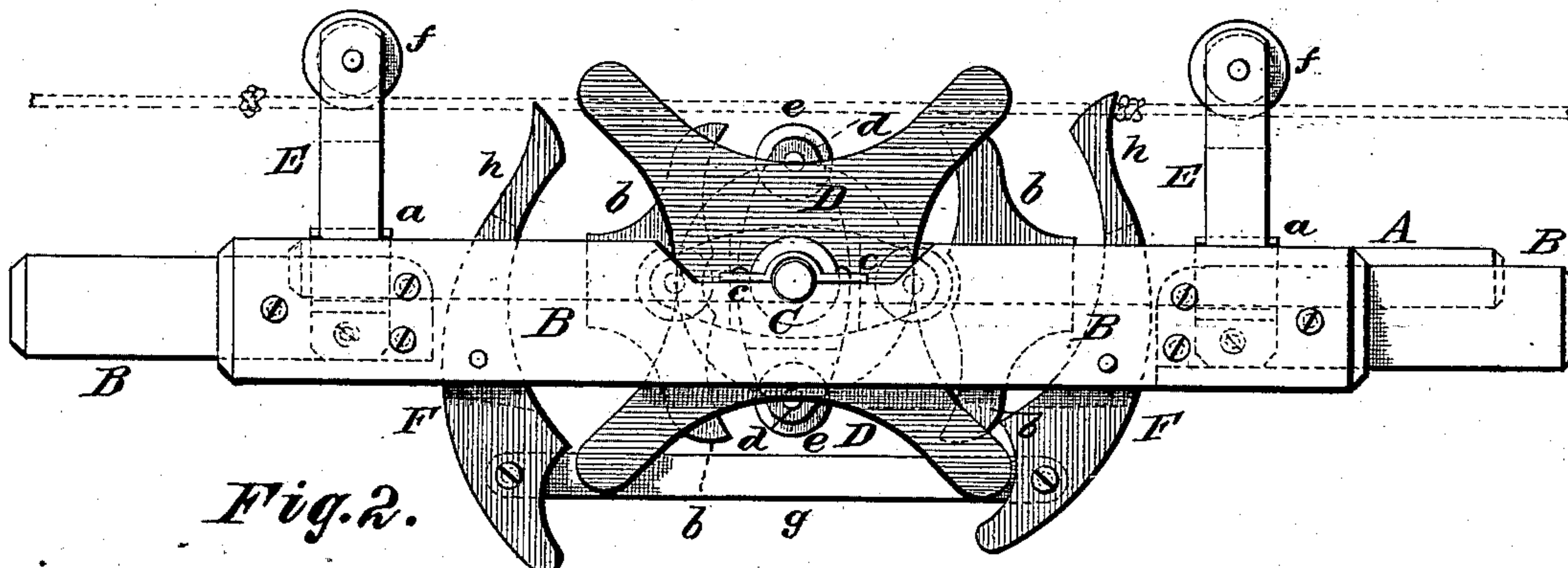


Fig. 2.

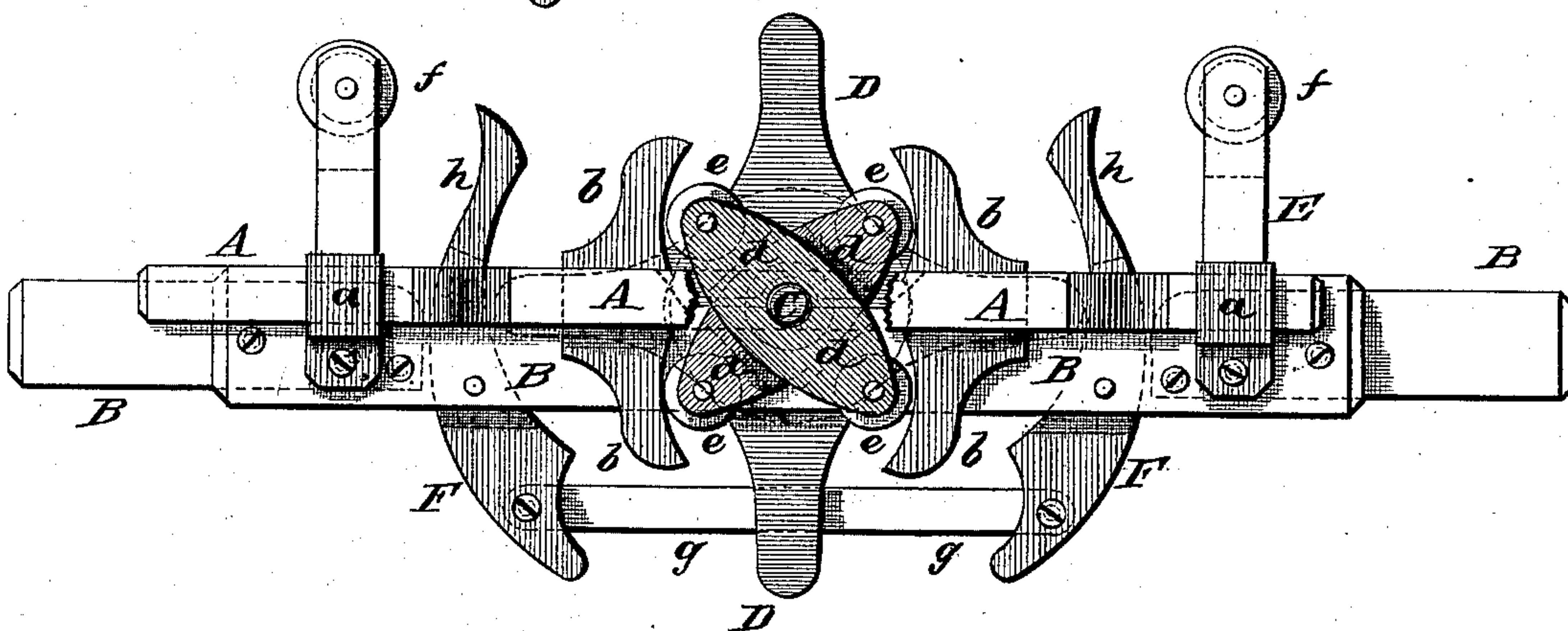
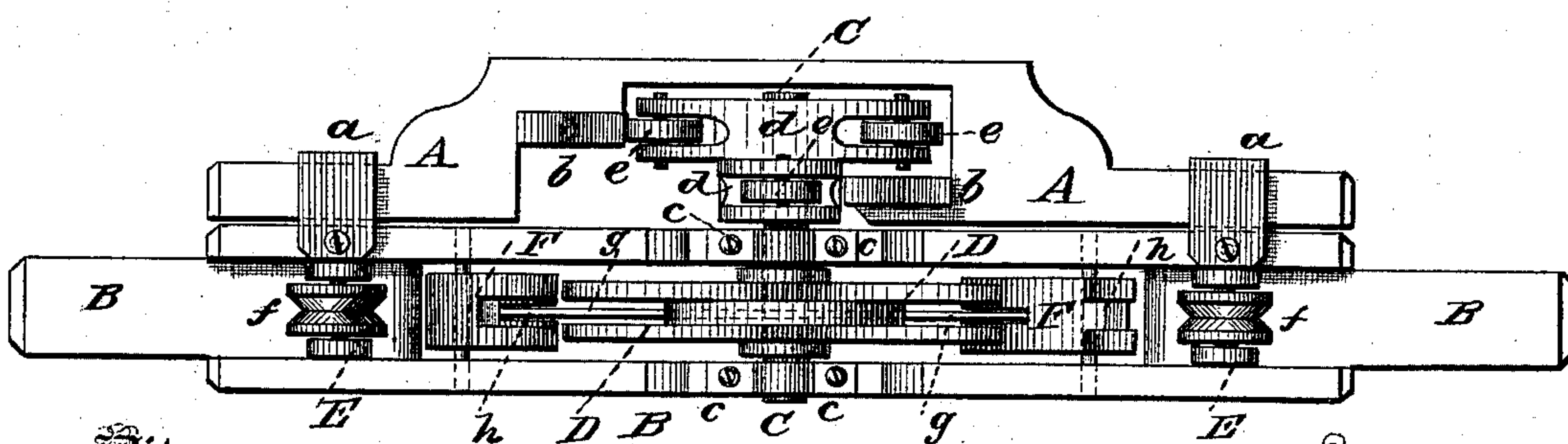


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH STATLER, OF MASON CITY, ILLINOIS.

CHECK-ROW ATTACHMENT FOR CORN-PLANTERS.

SPECIFICATION forming part of Letters Patent No. 223,821, dated January 27, 1880.

Application filed June 13, 1879.

To all whom it may concern:

Be it known that I, JOSEPH STATLER, of Mason City, in the county of Mason and State of Illinois, have invented certain new and useful Improvements in Check-Row Attachments for Corn-Planters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 an improved check-row attachment for corn-planters; and it consists in a means for operating the slide, of the employment of a lock, and in the construction and combination of parts, as will be hereinafter more fully set forth.

In the annexed drawings, which fully illustrate my invention, Figures 1 and 2 are side elevations, and Fig. 3 is a plan view.

Like letters of reference indicate like parts.

A represents the slide, supported upon a frame, B, by means of straps *a a*, the said straps *a a* inclosing the ends of the slide and allowing the same to pass back and forth through them.

The center of the slide A is cut away, and in said cut-away portion, upon either side, in opposite corners, are placed the double-curved blocks *b b*.

Secured to the frame B, by means of suitable straps *c c*, is a journal, C, having rigidly attached thereto a sprocket-wheel, D, working within the frame B, and the cams *d d* extending out to one side of the frame and working in the cut-away portion in the slide A. The said cams *d d* are provided with slots in their ends, in which are placed the friction-rollers *e e*, which, when the cams are revolved, engage with the double-curved blocks *b* and give the slide the desired motion. The cams are placed one upon the other and crossed in the manner shown, so that the inner cam engages with the block in the lower corner of the cut-away portion and moves the slide to the left, and the outer cam engages with the block in the upper opposite corner and moves the slide in an opposite direction.

EE represent standards secured to the frame B, and extending upward therefrom. The up-

per portion of said standards are slotted, and in said slotted portions are placed the pulleys *f f*.

FF represent the locks, pivoted in the frame B and having their lower ends secured together by means of the pivoted bar *g*. The upper portions of said locks are provided with slots *h h*.

This device is designed to be operated by means of a knotted wire or rope. The said wire or rope has a relative movement across the planter either way, passing under the pulleys *f* and catching in the forks of the wheel D and the slots *h* in the ends of the lock. The wheel is moved one-fourth of a revolution, moving the sliding bar by means of the cams working in one-fourth of a circle, the slide-bar being connected to the slide-bar of the planter by means of a lever.

The operation of the lock is as follows: As the knot strikes the slot *h* in the lock it moves back at the top, so as to allow the wire or rope to strike in the fork of the sprocket-wheel and move the wheel one-fourth of a revolution, and as the next arm on the wheel passes around it throws the lock again into position and locks the wheel until again released by the wire or rope. By the arrangement of the lock it can be operated from either side.

By this arrangement a device is produced which operates with a great reduction of friction, and one that is not liable to get out of repair.

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

In a check-row attachment for corn-planters, the sprocket-wheel D, locks F F, attached to each other by the double-pivoted bar *g*, standards E E, and frame B, in combination with the cams *d d*, having friction-rollers *e e*, the sliding bar A, and double-curved blocks *b*, all operated by means of a knotted wire or rope, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOSEPH STATLER.

Witnesses:

FRANK DONAVAN,
JOSEPH HIBBERD.