

J. K. WELTER.

Corn Planters.

No. 134,336.

Patented Dec. 24, 1872.

Fig 1

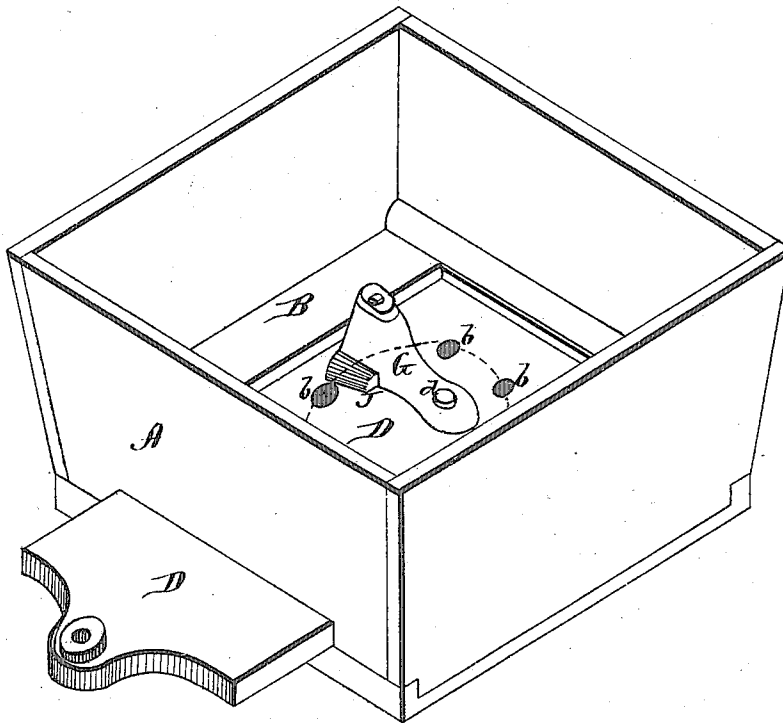
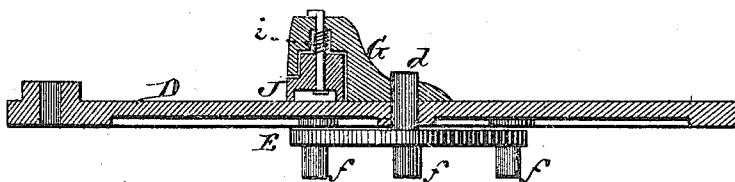


Fig 3



Witness:
Frank L. Curran
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Inventor.
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Fig 2

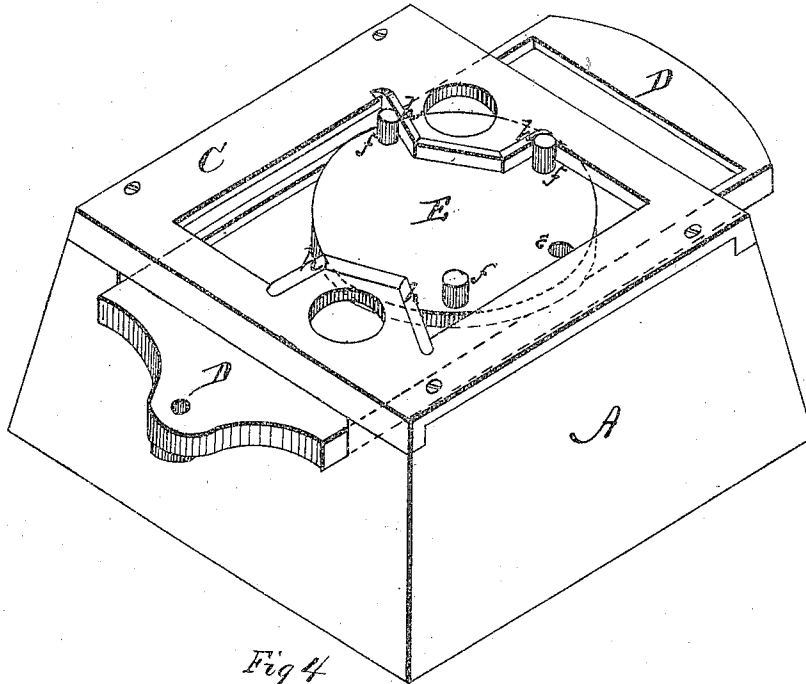
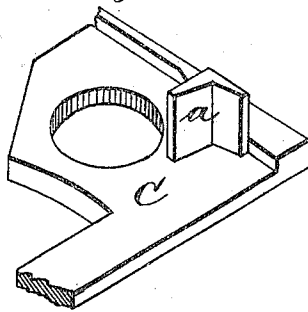


Fig 4



Witness:
Frank A. Curand
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UNITED STATES PATENT OFFICE.

JAMES K. WELTER, OF SPRINGFIELD, ILLINOIS, ASSIGNOR OF TWO-THIRDS
HIS RIGHT TO JAMES RAYBURN AND JOHN O. SLOAN, OF SAME PLACE.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. 134,326, dated December 24, 1872.

To all whom it may concern:

Be it known that I, JAMES K. WELTER, of Springfield, in the county of Sangamon and State of Illinois, have invented certain new and useful Improvements in Corn-Planters; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making part of this specification.

The nature of my invention consists in construction and arrangement of a dropping mechanism for corn-planters, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view from the top; Fig. 2 is a similar view from the bottom of my corn-dropper; Fig. 3 is a longitudinal section through the sliding part of the dropping mechanism; and Fig. 4 shows a corner of the bottom plate of the dropper.

A represents the hopper or box in which the corn is placed to be dropped. This hopper or box is provided with two bottom plates, B and C, placed a sufficient distance apart to receive the slide D. The two bottoms B C are both cut out to correspond with the motion of the slide. The lower plate C is on its upper side provided with lugs or posts *a a*, forming guides for the slide and also supports for the upper bottom B. In the slide D are six holes, *b b*, more or less, arranged in circular form, and through the center of this circle passes a post, *d*, upon the lower end of which is secured a circular plate or disk, E. This disk is provided with a single hole, *e*, at the same distance from the center as the holes *b b* in the slide, so that the hole *e* will as the disk is re-

volvcd come in rotation under each of the holes *b*. On the under side of the disk E are three lugs, *f f*, at equal distances apart, which as the slide moves back and forth strike inclines *h h* arranged in opposite corners of the lower bottom C, and in such a manner that for each stroke of the slide the disk will be moved just the distance between two of the holes *b b*, and thus cause the corn contained in said holes to be dropped in rotation through the hole *e* in the disk. On the upper end of the post *d* is attached an arm, G, which rests upon the upper surface of the slide D, and extends in the same direction from the center as the hole in the disk, so that the outer end of the arm will be directly over said hole, the slide D intervening between them. In the outer end of the arm G and on the outer side of the same is a head, J, recessed on its under side and pressed downward by means of a spring, *i*, within the arm. When the dropper is in motion this arm and head acts as an agitator to stir the corn, and also crowds the grains down into the holes in the slide. The head J gives, by means of the spring *i*, so that there is no danger of breaking any grains if they should happen to stick in the holes. The arm and head are also a cut-off, so as to prevent any more than the required amount of corn to be dropped in each hill.

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

The reciprocating perforated slide D, the rotating disk E with pins *f f*, the angular bottom C, and a flexible rotating cut-off, all combined and used substantially as set forth.

JAMES K. WELTER.

Witnesses:

C. L. EVERT,
J. M. MASON.