

H. BEITZELL.
CORN-PLANTER.

No. 182,630.

Patented Sept. 26, 1876.

Fig. 1.

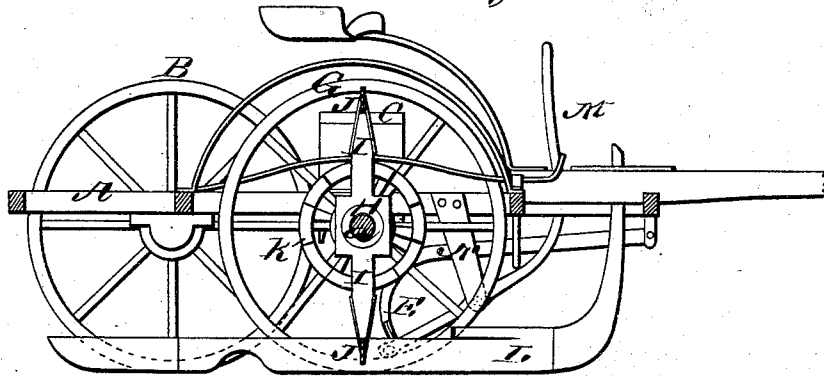
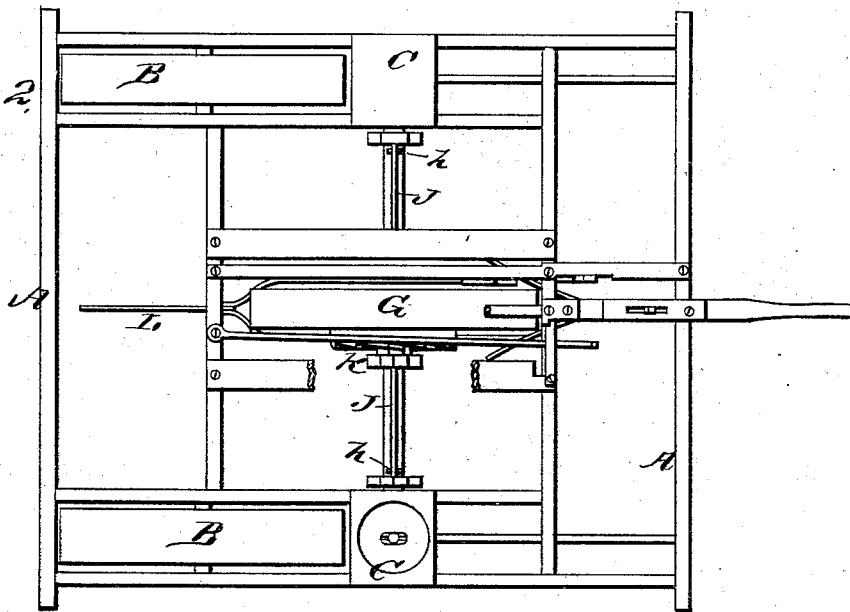


Fig. 2.



WITNESSES

Robert Everett
George W. Larnier

INVENTOR.

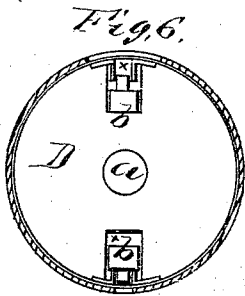
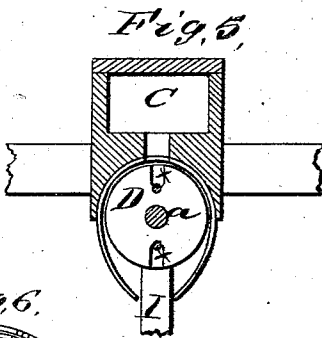
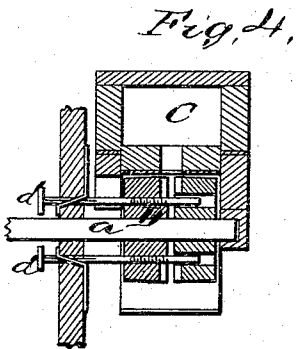
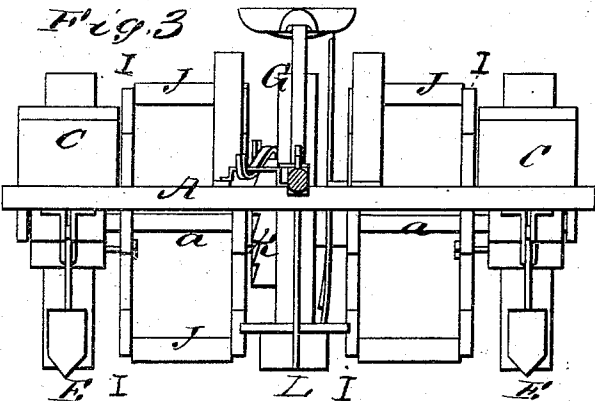
Henry Beitzell
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UNITED STATES PATENT OFFICE.

HENRY BEITZELL, OF CENTREVILLE, INDIANA.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **182,630**, dated September 26, 1876; application filed March 4, 1876.

To all whom it may concern:

Be it known that I, HENRY BEITZELL, of Centreville, in the county of Wayne and State of Indiana, have invented a new and valuable Improvement in Corn-Planters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a longitudinal vertical section of my corn-planter, and Fig. 2 is a plan view of the same. Fig. 3 is a front view thereof; and Figs. 4, 5, and 6 are sectional detail views.

The nature of my invention consists in the construction and arrangement of a check-row planter, 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 my improvements.

A represents a rectangular frame of any suitable dimensions, provided in the rear part, at each side, with a wheel, B, mounted upon a short axle, which wheel serves not only as driving-wheel for the machine, but also as coverer for covering the corn dropped in the earth. In front of each wheel B is a corn-box, C, secured in the frame A, and in each box is a vertically-rotating dropping-wheel, D, placed upon an axle, *a*, extending entirely across the machine. In the wheel D, opposite each other, are two dropping holes or openings, *x x*, in each of which is placed a loose plunger, *b*, suitably shouldered, or otherwise arranged so that it cannot fall out. The corn falls into these openings, when they are on top, as the wheel revolves, and as the opening comes at the bottom the plunger falls downward and forces out the corn. In the bottom of each hole or chamber *x* under the plunger is a set-screw, *d*, by the adjustment

of which the quantity of corn deposited in each hill is easily regulated. In front of each corn-box C is a plow or furrow-opener, E, of any suitable construction. In the center of the frame on the axle *a* is placed a large gage-wheel, G, through the hub of which is passed a sleeve, H, connecting two markers placed on the axle *a* in the spaces between the gage-wheel and corn-boxes. Each marker consists of two parallel arms, I I, the ends of which are connected by the marking-bars J J.

The wheel and markers may turn independent of each other, and they are connected by a ratchet device, K, thrown in and out of gear by any suitable mechanism.

The wheel G is to turn by running on the ground, and thereby turn the markers, which are connected by bolts *h h* with the dropping-wheels D D, and thus turn said wheels also.

L represents an elongated plow with a central opening, through which the gage-wheel G projects down to the ground, said plow being for the purpose of leveling the ground for the gage-wheel, and thereby insure a more perfect measurement. The plow L is pivoted to and suspended by a lever, M, which is pivoted to a hanger, N, depending from the main frame, and by which means said plow is easily raised and lowered, as required.

What I claim as new, and desire to secure by Letters Patent, is—

1. The plow L, in combination with the gage-wheel G, for the purpose herein set forth.

2. The combination of the plow L, gage-wheel G, connected markers I J, sleeve H, bolts *h*, and dropping-wheels D, all substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HENRY BEITZELL.

Witnesses:

THOMAS J. STUDY,
DAVID GENTY.