A. J. HINTZ.

CORN-PLANTER.

No. 187,011. Patented Feb. 6, 1877.

Fig. 1.

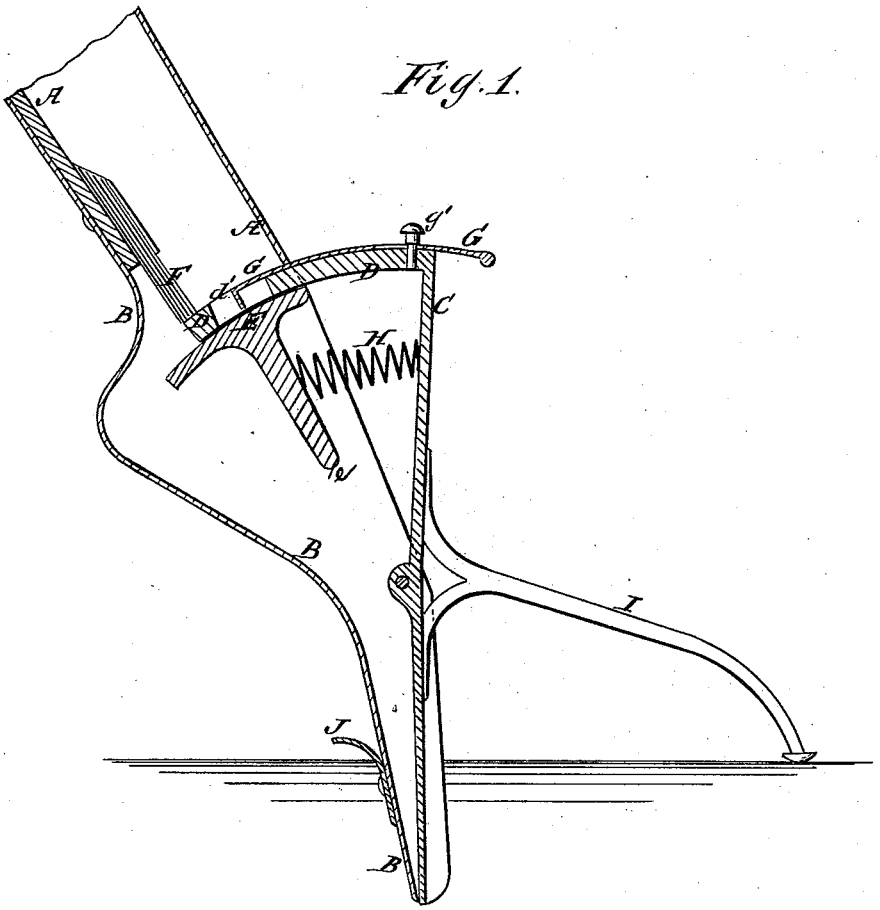
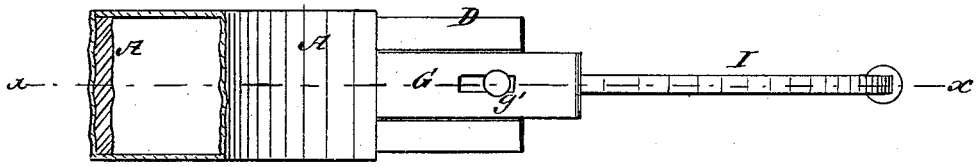


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

AUGUST. J. HINTZ, OF LEMONT, ILLINOIS.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **187,011**, dated February 6, 1877; application filed December 30, 1876.

To all whom it may concern:

Be it known that I, AUGUST. J. HINTZ, of Lemont, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Hand Corn-Planter, of which the following is a specification:

Figure 1 is a vertical longitudinal section of the lower part of my improved planter, taken through the line *x x*, Fig. 2. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved corn-planter, which shall be simple in construction, convenient in use, and effective in operation, not being liable to become clogged.

The invention consists in an improved hand corn-planter, formed by the combination of the spout, made with a backward curve or offset, the pivoted plate, provided with the arm or lever, the curved arm, provided with the dropping-hole, and the adjustable slide, the bottom provided with the arm, and the spring, with each other and with the body of the planter, as hereinafter fully described.

A is the body of the planter, the sides and front of which are made of thin sheet metal, and its back of wood, so that it may serve as a receptacle for the seed. The body A has a handle attached to its upper end for convenience in carrying it.

To the lower end of the body A is attached a spout, B, which is tapered, and has its lower end slightly bent to the rearward. The lower part of the spout B serves as a stationary jaw for the planter. The forward side of the spout B is closed by a plate, C, which is pivoted at its middle part to and between the forward edges of the sides of the spout B.

To the upper end of the plate C is attached or upon it is formed an arm, D, which is curved upon the arc of a circle, having its center in the pivot of the plate C. The curved arm D passes in through a hole in the front of the lower end of the body A, and moves along the upper side of the bottom E of said body, the upper surface of which is curved to correspond with the curve of the said arm D. The upper rear part of the spout B extends up for a little distance along the back of the body A, and is made with an offset or backward curve, to furnish space for the rearward movement of the arm D in dropping the seed.

The back of the body A does not extend quite to the bottom E, and has a brush, F, attached to it to rest upon the upper side of the curved arm D, to prevent any more seed from being carried out by said arm than enough to fill its dropping-hole *d'*. The size of the dropping-hole *d'* is regulated to drop the required number of kernels by a slide, G, placed upon its upper side, and the forward end of which is bent down into the said hole *d'*. The outer part of the slide G is slotted to receive the screw *g'*, by which it is secured adjustably to the said arm D.

The bottom E is made with a downwardly-projecting arm, *e*, to which is secured the end of a spiral spring, H, the other end of which is secured to the upper part of the plate C, to hold the lower end of said plate C that forms the movable jaw pressed in against the stationary jaw B.

To the middle part of the plate C is attached, or upon it is formed, an arm, I, which projects outward, and is curved downward, and has a head formed upon its end to prevent it from sinking into the soil.

In using the planter, the jaws B C are thrust into the soil up to the stop J attached to the stationary jaw B. The upper end of the planter is then carried forward, which swings the stationary jaw B backward, allowing the seed to drop into the soil, and, at the same time, loosening the soil, so that it will fall into the hole formed by the jaws B C, as said jaws are withdrawn.

The forward movement of the body A causes the arm D to project in the rear of the bottom E, and drop the seed.

As the jaws B C are withdrawn from the soil the spring H closes the said jaws B C, ready to be again thrust into the soil, and, at the same time, draws forward the arm D, bringing the dropping-hole *d* within the body A, to be again filled with seed.

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

An improved hand corn-planter, formed by the combination of the spout B, made with a backward curve or offset, the pivoted plate C, provided with the arm or lever I, the curved arm D, provided with the dropping-hole *d'*, and the adjustable slide G, the bottom E, provided with the arm *e*, and the spring H, with each other, and with the body A, substantially as herein shown and described.

AUGUST. J. HINTZ.

Witnesses:
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