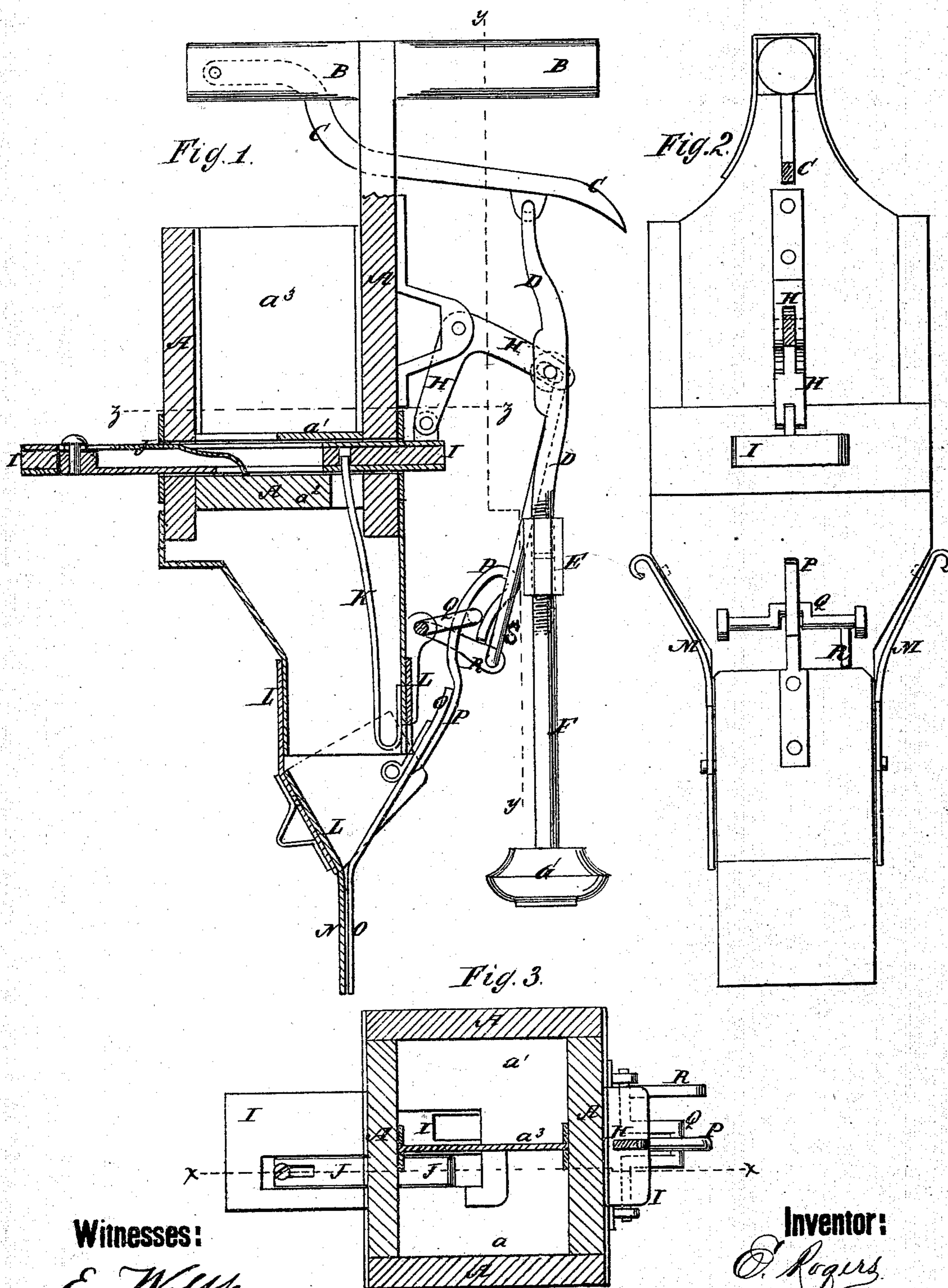


E. ROGERS.
Hand Corn-Planters.

No. 144,701.

Patented Nov. 18, 1873.



Witnesses:

E. Wolff
Bedgwick

Inventor:

E. Rogers.
Minneapolis
Attorneys.

Per

UNITED STATES PATENT OFFICE.

ELI ROGERS, OF ROCHESTER, INDIANA.

IMPROVEMENT IN HAND CORN-PLANTERS.

Specification forming part of Letters Patent No. **144,701**, dated November 18, 1873; application filed June 21, 1873.

To all whom it may concern:

Be it known that I, ELI ROGERS, of Rochester, in the county of Fulton and State of Indiana, have invented a new and useful Improvement in Hand Corn-Planter; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figures 1 and 2 are vertical sections; Fig. 3, a horizontal section.

The invention will first be fully described and then pointed out in the claims.

A is a double hopper, having a handle, B, and partition a^3 . The forward end of the handle B is slotted to receive the forward end of the lever C, which projects rearwardly, passes through a slot in the back of hopper A, and is pivoted to the upper end of bar D. To the upper part of the bar D is pivoted the outer end of the bent lever H, which is itself pivoted at its bend. The end of the lower arm of the bent lever H is pivoted to the slide I, which works in hopper between the bottoms $a^1 a^2$. In the upper bottom, a^1 , are formed holes, one under the plaster, and the other under the seed. The holes in plate a^1 register with those of bottom a^2 , whereby both seed and plaster are simultaneously dropped. The dropping-slide I is thrown forward to receive seed and plaster for another hill by a spring, K, connected with the said slide and with the lower part of the hopper. The cap L is placed upon the lower part of the seed-box A, where it is secured in place by two spring-catches, M, which pass up upon the opposite sides of the lower part of the hopper A and catch in notches

or teeth formed in said sides. The lower part of the cap L is formed by two parallel plates, N O, one of which is stationary, and the other pivoted. To the upper part of the pivoted plate O is attached a hook, P, which hooks upon a crank, Q, pivoted to lugs attached to the lower part of the seed-box A. Upon the crank-shaft Q is formed, or to it is attached, an arm, R, to the outer end of which is pivoted the lower end of the connecting-rod S, the upper end of which is pivoted to the bar D by the same bolt that pivots said rod to the lever H. With this arrangement the plates N O, which are pressed close together by the action of the spring K, are forced into the soil, and the rear end of the lever C is drawn upward or toward the handle. This movement operates the slide I, and drops the seed and plaster by spreading the plates N O apart. As the lever C is released the spring K moves the various parts of the machine back to their former position. By pressing on the lever C and handle B, the slide I and plate O are caused to drop the seed and plaster.

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

1. The cam-hook P on the plate O, and the crank-shaft Q, combined, as described, with the hand mechanism, as and for the purpose described.

2. The springs M M, combined with cap L, to hold the latter detachably in position on the body of the planter, as specified.

ELI ROGERS.

Witnesses:

ENOCH STURGEON,
J. H. SMITH.