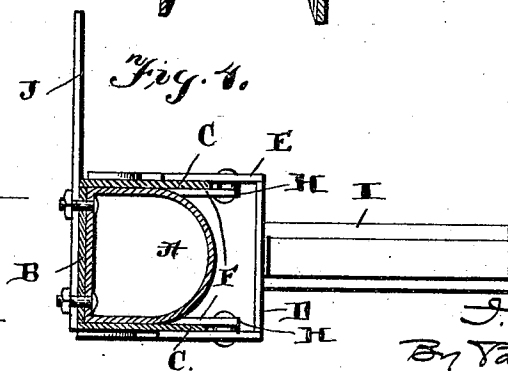
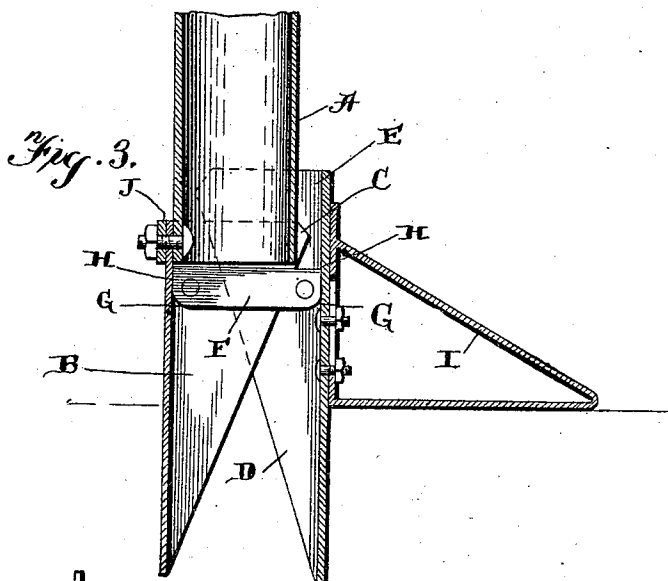
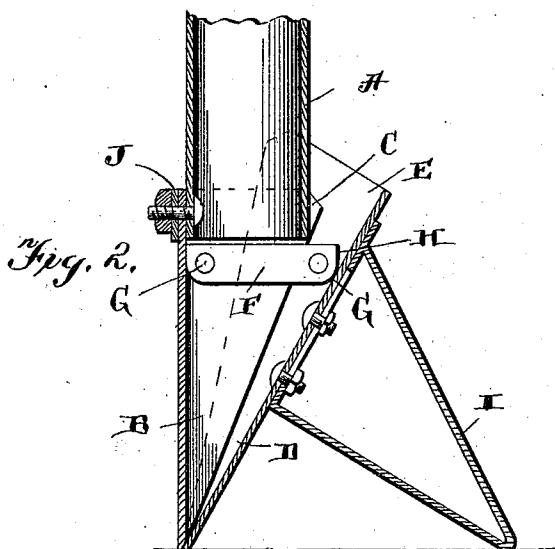
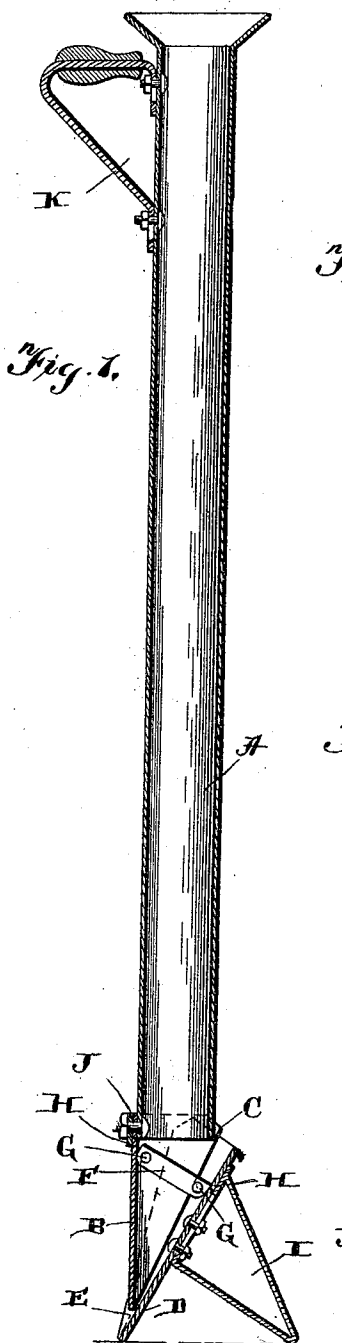


(No Model.)

I. F. GORDON
HAND PLANTER.

No. 552,432.

Patented Dec. 31, 1895.



Witnesses:

Geo. E. Trech

James W. Swarts

Inventor.

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UNITED STATES PATENT OFFICE.

IRA F. GORDON, OF TRAVERSE CITY, MICHIGAN.

HAND-PLANTER.

SPECIFICATION forming part of Letters Patent No. 552,432, dated December 31, 1895.

Application filed May 22, 1895. Serial No. 550,262. (No model.)

To all whom it may concern:

Be it known that I, IRA F. GORDON, of Traverse City, in the county of Grand Traverse and State of Michigan, have invented certain new and useful Improvements in Hand-Planters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

This invention has reference to improvements in hand-planters, the object being to provide a hand-operated device of improved construction for planting potatoes, corn and other seeds.

The invention consists in the novel features of construction hereinafter fully described and claimed, and illustrated by the accompanying drawings, in which—

Figure 1 is a vertical longitudinal sectional view of the planter. Fig. 2 is a similar view showing the movable jaw raised or extended vertically. Fig. 3 is a similar view showing the position of the jaw when depositing seed in the ground. Fig. 4 is a sectional plan view.

A is the planting-tube, in which the seed is deposited in the upper open end, and provided at its lower end with the fixed jaw B, having tapered sides C. Movable jaw D is also formed with the downwardly-tapering sides E, and the interior of sides E are connected to the inner walls of sides C by means of links F secured by suitable pivots, as shown. The lower corners of the links are rounded, as illustrated at G, while the upper corners are square in order to form stops H. Thus when the movable jaw is in the position illustrated in Fig. 1, the outer stop H is in engagement with the inner walls of the movable jaw, thus preventing a further downward movement thereof, while when in the position illustrated in Fig. 2 the stop H at the inner end of the link is in engagement with the inner wall of the fixed jaw, thus permitting the link to move no further up, thereby holding the jaw in such position that its lower end is even with the

extremity of the fixed jaw. When the jaws are opened, as in Fig. 3, the movable jaw is raised upon the fixed jaw, so that the stop at the inner end of the link is in service, while when open the stop at the outer end is also brought into play for limiting the movement apart of the jaws.

The angular shoe I is secured to the outer side of the movable jaw, being slotted upon its vertical arm so as to be secured by clamping-bolts in proper position. To the back of the fixed jaw is secured the horizontal foot-piece J. The handle K adjacent the upper end of the planting-tube is also adjustable vertically by means of the slot formed therein, through which extends the clamping-bolt.

While I do not claim to be the first to invent a hand-planter provided with a vertically and outwardly movable jaw, I do claim to be the first to connect the same in the simple manner shown, whereby a most effectual service is secured at comparatively small expense.

Having thus fully described my invention, what I do claim is—

1. A hand planter comprising a seed receptacle, a fixed jaw at its lower end, the outwardly extending links pivotally connected to the fixed jaw, and the vertically and laterally movable jaw pivotally connected to the outer ends of said links, the said movable jaw closing with the fixed jaw, substantially as shown and described.

2. An improved hand planter comprising a seed receptacle, a fixed jaw at its lower end, the downwardly tapering sides for the said fixed jaw, the movable jaw, the tapering sides thereof, and the links pivotally connected at their ends to the sides of the fixed and movable jaws, substantially as shown and described.

3. A hand planter comprising a seed receptacle, a fixed jaw, a movable jaw, and links connecting the jaws, substantially as shown and described.

4. An improved hand planter comprising a seed receptacle, a fixed jaw, a movable jaw, the links connecting the jaws, and stops H

formed at the ends of said links, for engaging the movable and fixed jaws in the manner shown and described.

5 5. An improved hand planter comprising a seed receptacle, a fixed jaw, a movable jaw, links pivotally connected to the respective jaws, the stops H formed at the upper ends of the extremities of the links, the lower ex-

tremities thereof being rounded, for the purpose, substantially as shown and described. 10

In testimony whereof I affix my signature in presence of two witnesses.

IRA F. GORDON.

Witnesses:

WILLIAM P. CROTHER,
GEORGE B. DOUGLAS.