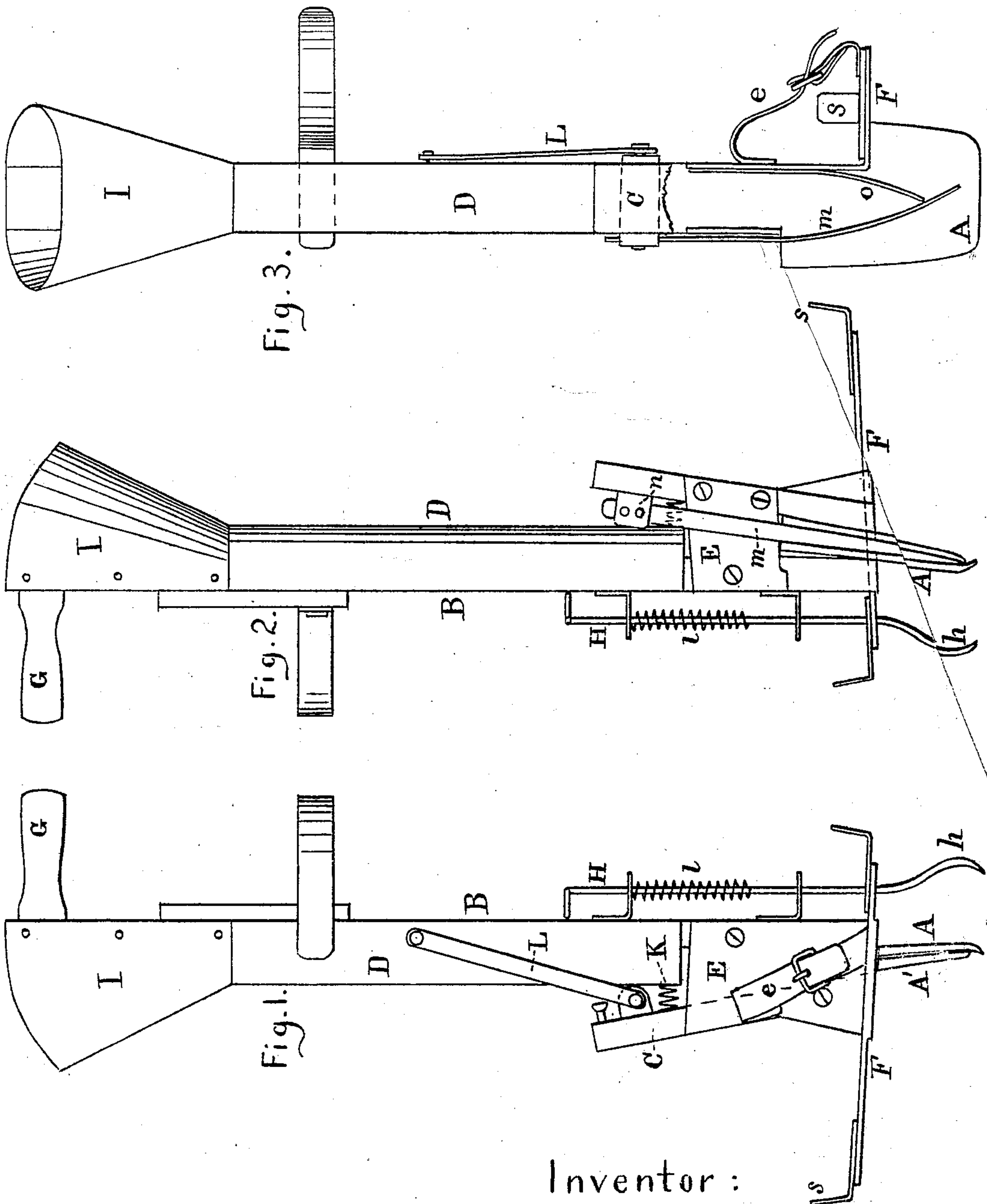


E. I. FISK.
Stilt and Hand Planters.

No. 150,013.

Patented April 21, 1874.



Witnesses :

W. H. Davis
H. A. Daniels

Inventor :

Earl J. Fisk by
Chas. S. Whitman
Atty

UNITED STATES PATENT OFFICE

EARLS I. FISK, OF ALMENA, MICHIGAN.

IMPROVEMENT IN STILT AND HAND PLANTERS.

Specification forming part of Letters Patent No. **150,013**, dated April 21, 1874; application filed March 10, 1874.

To all whom it may concern:

Be it known that I, EARLS I. FISK, of Almena, county of Van Buren and State of Michigan, have invented an Improved Stilt and Hand Planting Machine. The following description, taken in connection with the accompanying plate of drawings hereinafter referred to, forms a full and exact specification, wherein are set forth the nature and principles of the invention, by which the same may be distinguished from others of a similar class, together with such parts thereof as are claimed as new and are desired to be secured by Letters Patent of the United States.

My invention relates to that class of seedling-machines commonly known as hand-planters; and the nature thereof consists in certain improvements in the construction of the same, as hereinafter described.

In the accompanying drawing, forming part of the specification herein, Figure 1 is a side view of planter. Fig. 2 is also a side view, representing side opposite that shown in Fig. 1. Fig. 3 is a front view, a part being removed.

In the drawing referred to, the jaw designated A is rigidly attached to the upright staff B, and the jaw A' to the piece C, which is pivoted, by means of the plates E, to the said staff. A treadle, F, is rigidly attached to one of the plates E, to which the foot may be secured by means of the strap e. By means of this treadle the jaws may be opened with facility, the jaw A being longer than the jaw A', as shown. I designates a funnel communicating with the tube D, through which the seeds descend. K

designates a spiral spring, by means of which the jaws are kept closed. The finger m is attached to the lever n pivoted to the piece C in such a manner that when the jaws are opened the connecting-rod L and lever n cause the finger to vibrate. When the jaws close, the finger closes against the curved strip o fastened to the inner side of one of the plates E, as shown in Fig. 3. The sliding rod H, hooked at the lower end h and provided with the spring l, is used to cover the seed as it falls.

To operate the implement, place the foot on the foot-piece and buckle the strap around the foot. When the foot is put forward the planter is shut, and the seed placed in the funnel will be deposited when the jaws are opened. The finger, vibrating back and forth, keeps the said jaws clean and prevents them from clogging.

The implement may be used as hand-planter by using the handle G, the treadle F being lengthened by turning the toe-piece S.

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

The combination of the jaws A A', staff B, piece C, plates E, treadle F, funnel I, tube D, spring K, finger m, cross-piece n, and connecting-rod L, all operating together as described.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of January, 1874.

EARLS I. FISK.

Witnesses:

PHILIP STRONG,
STEPHEN STRONG.