

C. ILLING.
Hand Corn-Planters.

No. 151,595.

Patented June 2, 1874.

Fig. 1.

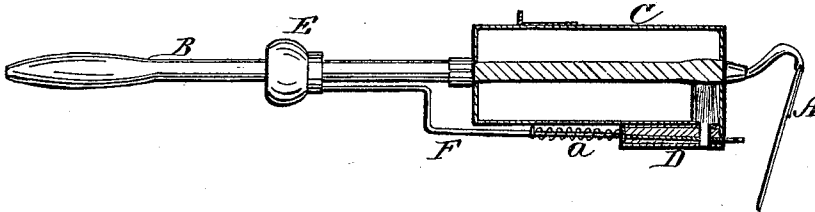


Fig. 2.

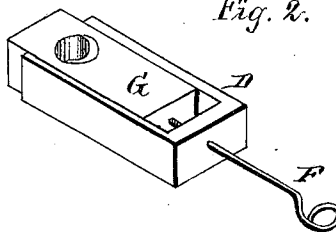
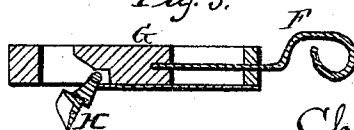


Fig. 3.



WITNESSES.
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IMPROVEMENT IN HAND CORN-PLANTERS.

Specification forming part of Letters Patent No. **151,595**, dated June 2, 1874; application filed April 20, 1874.

To all whom it may concern:

Be it known that I, CHARLES ILLING, of Jefferson, in the county of Jefferson and in the State of Wisconsin, have invented certain new and useful Improvements in Hand Corn-Planter; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of the several parts of a hand-hoe, with seed-box attached, in which is placed a peculiar seed-slide, as will be hereinafter described.

In the annexed drawings, Figure 1 represents a longitudinal section; Fig. 2, a perspective of the seed-slide and its box; and Fig. 3 is a section of seed-slide.

In the drawings, A represents an ordinary hoe, and B its handle. C represents a seed-box, which surrounds the handle near the hoe. On the under side of the seed-box is formed a box, which contains the seed-slide. This box is marked D. G represents the seed-slide, which is made to fit snugly in its box, but so that it can move freely. Near the lower or outer end of the seed-slide, and through it, is formed an opening in which is placed a seed-cup, H. This seed-cup has an ear to it, which ear is pivoted to the slide, so that the moment the slide projects beyond its box at the point where the cup is pivoted, said cup drops its loose end, as seen in Fig. 3, and thus empties out or discharges its seed.

When the seed-slide is drawn back into the

box, the bottom of said box presses the cup into place again within the recess or opening in the slide, so that it can again take seed from the seed-box.

The seed-slide G is connected, by means of a rod, F, to a sliding collar, E, on the handle B, so that the operator can, by means of said collar, which slides upon the handle, move the seed-slide G backward and forth, to receive and discharge the grain, as the circumstances of the case may require.

A suitable door is formed in the seed-box C, through which the grain or seed may be inserted, and a suitable cut-off is also made, of bristles or other material, in the lower end of said box, for striking off the grain when the seed-cup contains more than it should, and to regulate the amount it should carry.

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

1. The seed-slide G, constructed as described, and provided with the pivoted seed-cup H, operated as and for the purpose set forth.

2. The combination of the box D, slide G, pivoted cup H, rod F, and spring *a*, with the box C on the hoe-handle, the cut-off in the box, and the operating-collar E, all constructed and used substantially as set forth.

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

CHAS. ILLING.

Witnesses:

HENRY COLONIUS,
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