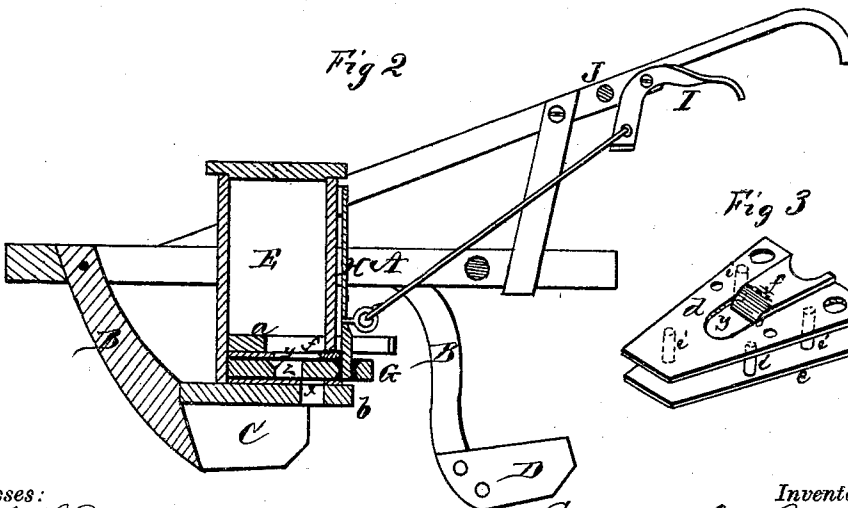
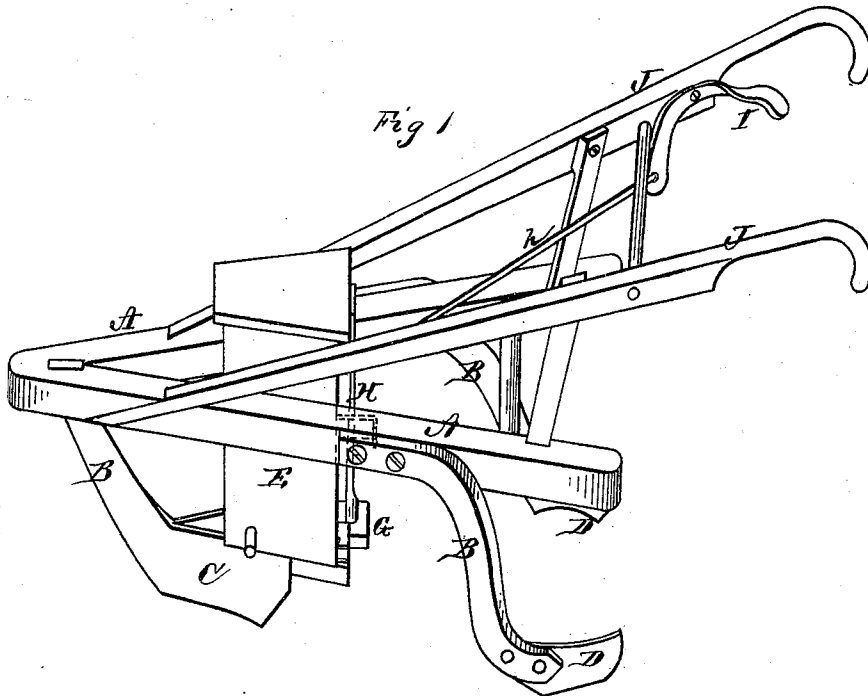


E. C. BROWN.
Corn-Planters.

No. 142,675.

Patented September 9, 1873.



Witnesses:
Frank L. Curand.
C. L. Ewert

Inventor.
Elijah C. Brown,
per *Samuel Mason*

Attorneys.

UNITED STATES PATENT OFFICE.

ELIJAH C. BROWN, OF CRAWFORDSVILLE, INDIANA.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **142,675**, dated September 9, 1873; application filed May 7, 1873.

To all whom it may concern:

Be it known that I, ELIJAH C. BROWN, of Crawfordsville, in the county of Montgomery and in the State of Indiana, have invented certain new and useful Improvements in One-Horse Corn-Planters; 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 a corn-planter, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my corn-planter, Fig. 2 is a vertical section of the same, and Fig. 3 is a perspective view of the two plates between which the shuttle or slide moves for dropping the corn.

A represents an ordinary forked-beam plow-frame, to which are attached three shanks, B B, one at the front end and one on each side. These shanks are curved backward, as shown, laid with steel, and formed into cutters at the lower ends, and have mold-board flukes C and D D attached to them. The forward one, C, is made in V form, so arranged as to move the earth outward, making a furrow to receive the seed; and the rear ones, D D, arranged to move the earth inward, so as to cover the seed. E represents an upright elongated seed-box, secured in the frame A, and extending to the fluke C, making the drop at the ground, or as near as possible to the same, and in sight of the operator, so that every discharge can be seen. Within the box E is a wood bottom, *a*, having a large aperture, as shown in figure, and below the box, secured to it, and in the V-shaped fluke C, is another wood bottom, *b*. Between these two bottoms are

placed two plates, *d* and *e*, held a suitable distance apart by means of posts *i i*, which are arranged as shown in Fig. 3, so as to form guides for the movement of the slide or shuttle G. In the lower plate, *e*, and lower bottom, *b*, is an aperture, *x*, and in the upper plate, *d*, is a larger aperture, *y*, at one end of which is attached a steel spring, *f*, covering the aperture *x* in the lower plate. The inner end of the steel spring *f* is curved downward, forming a roll the thickness of the plate *d*, forming a cut-off, and leaving sufficient room to allow the chamber *z* in the shuttle or slide G to fill from the seed-box. This chamber *z* is beveled, as shown in Fig. 2, and is so arranged with the holes in the plates as to let all dust and trash pass out freely without obstructing the movement of the shuttle. In the rear end of the slide or shuttle G is a hole countersunk on both top and bottom, into which the rounded end of a flat steel spring, H, is inserted, said spring being attached to the rear side of the seed-box E. The countersunk hole in the slide allows the slide to move freely between the posts and plates, when operated by the lever-trigger I, attached to one of the handles J, and connected with the spring H by means of a rod, *h*.

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

The combination, with the frame A, of the seed-box E, metallic plates *d e*, posts *i i*, curved spring *f*, slide G, and the flukes C, the seed-box being so arranged that it is mainly below the frame, and supported upon the flukes, all constructed and operated substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of April, 1873.

ELIJAH C. BROWN.

Witnesses:

DAVID DIVINE,
JOHN PURSEL.