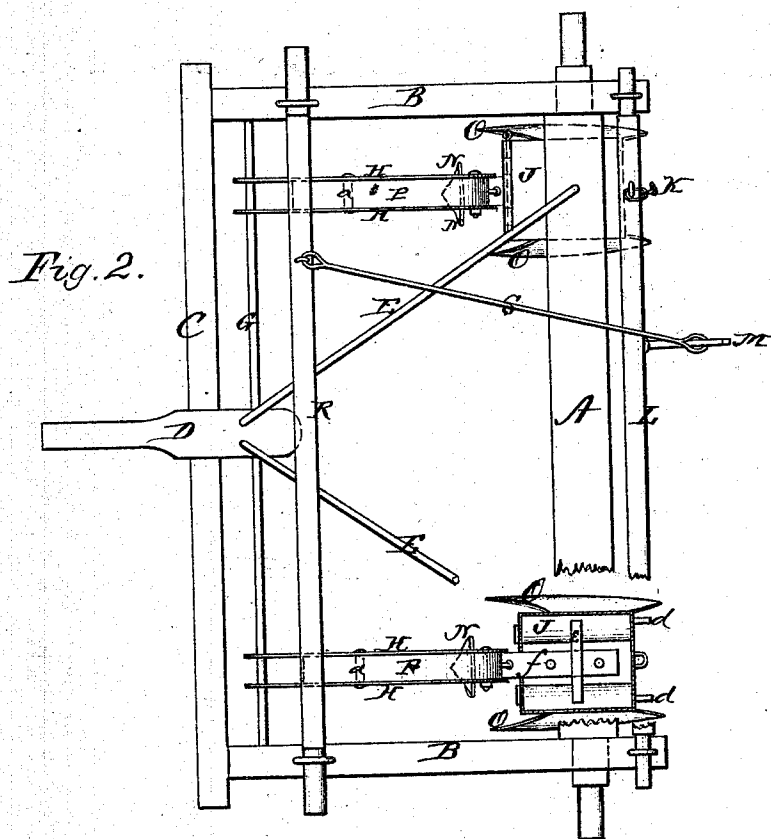
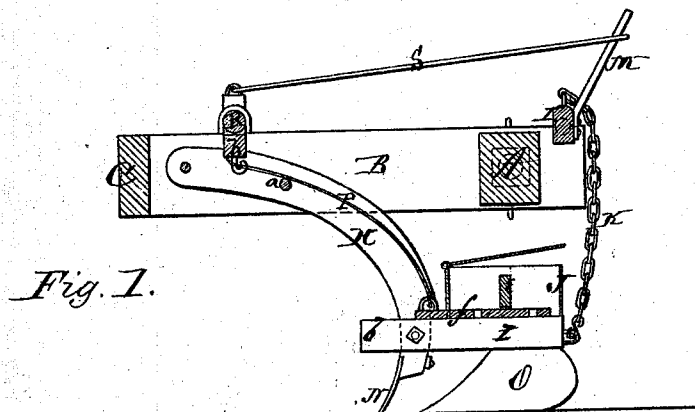


B. F. TOMB.
Corn Planter.

No. 104,664.

Patented June 21, 1870.



Witnesses:
C. L. Everb.
Harry King

Inventor:
Benjamin F. Tomb
per Alexander Mason
Atty.

United States Patent Office.

BENJAMIN F. TOMB, OF TIFFIN, OHIO.

Letters Patent No. 104,664, dated June 21, 1867.

IMPROVEMENT IN CORN-PLANTERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, BENJAMIN F. TOMB, of Tiffin, in the county of Seneca and in the State of Ohio, have invented certain new and useful Improvements in Corn-Planters; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing 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 an "improved corn-planter," in which the dropping-boxes are placed under the axle-tree.

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 transverse vertical section, and

Figure 2 is a plan view of my corn-planter.

A represents the axle of my machine, upon which are secured two side-beams, B B.

The axle, A and side-beams B B, with the connecting-beam C, at the front ends of the side-beams, form the frame or carriage of the planter, the said connecting-beam C running parallel with the axle.

The tongue D is secured on top and in the center of the cross-beam C, and is braced to the axle A by the rods E E, as shown in fig. 2.

On a rod, G, immediately in rear of the front beam C, are pivoted two curved metal bars, H H, a suitable distance apart. The construction of these bars is plainly shown in fig. 1.

The bars H H are held apart, near their upper ends, by means of a friction-roller, *a*, mounted upon a pin, which is secured to both of said bars, and near their lower ends, between them, is pivoted a tongue, *b*, projecting from a platform, I, which supports the hopper J.

The rear end of the platform I is suspended by means of a chain, K, which is attached to a shaft, L, pivoted on the side beams B B, in rear of the axle A.

The shaft L being provided with a lever, M, it can readily be turned, so as to raise or lower the platform at will.

Across the lower ends of the bars H H, under the tongue *b*, is secured the corn-plow N, and under the platform are pivoted the covering-plows O O.

These plows are secured by pins *d d*, at the rear end of the platform, in such a manner that they can be adjusted out or in at pleasure.

The hopper J is divided, by a central partition, *e*, into two compartments, as seen in fig. 1, and the slide *f* in the bottom of the hopper has two holes, so that it will pass out a grain of corn each time, both moving backward and forward, the aperture in the platform I, through which the corn falls to the ground, being directly under the axle of the machine.

By having the dropping done right under the axle-tree, it gives the machine a chance to drop the last row at the coming out, which other machines cannot do, in consequence of being in rear.

The slide *f* is connected with an arm, P, which is of the same curvature as the bars H H, and fits between them, resting upon the roller *a*.

The arm P is then attached to a projection, *h*, on the shaft R, pivoted on the side beams B B.

The shaft or bar R is operated by the rod S, so as to move the slide *f* back and forth.

The plows O O are taken off when it is used for marking corn, using the front plow N alone.

It is intended to use from two to four arms, P, with hoppers, &c., to drop four rows at a time, or two, as may be desired.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. A corn-planter, so constructed as to have the dropping-boxes under the axle-tree, all as shown and described.

2. The hopper J, divided into two compartments, provided with slide *f*, all arranged and operating substantially as and for the purposes herein set forth.

3. The plows O O, attached to the platform I, and made adjustable by means of the pins or bolts *d d*, constructed and arranged substantially as herein set forth.

4. The combination and arrangement of the bars H H with roller *a*, platform I, plows N and O O, hopper J, chain K, shaft L, and lever M, all substantially as shown and described.

5. The arrangement of the slide *f*, arm P, shaft R, and rod S with the hopper J, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 19th day of February, 1870.

BENJAMIN F. TOMB.

Witnesses:

H. W. HUBBARD,
A. C. BARBER.