

H. Gartner,

Corn Planter.

No. 97,906,

Patented Dec. 14, 1869.

fig: 1

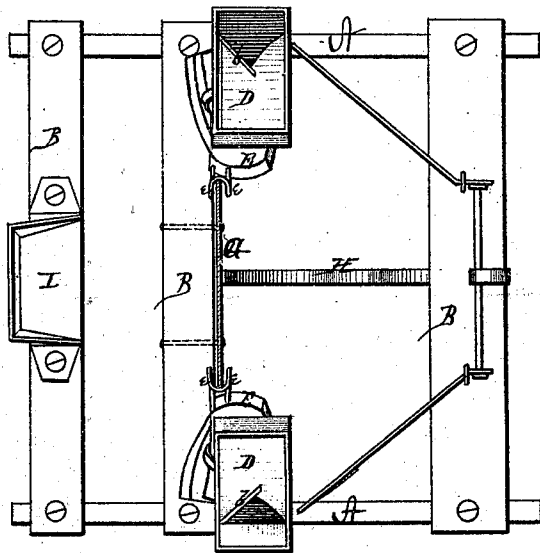


fig: 2

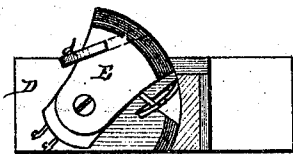


fig: 3

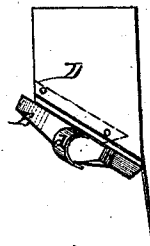
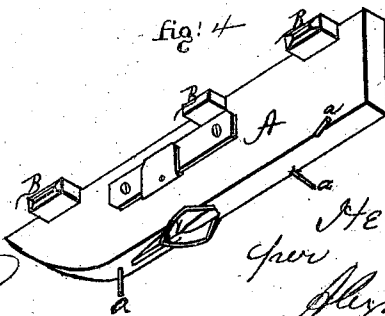


fig: 4



Witnesses

C. L. Ever

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Inventor

Henry Gartner

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Attest.

United States Patent Office.

HENRY GORTNER, OF NASHPORT, OHIO.

Letters Patent No. 97,906, dated December 14, 1869.

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, HENRY GORTNER, of Nashport, in the county of Muskingum, 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 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 general arrangement of a corn-planter, as will be hereinafter 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 drawings, in which—

Figure 1 is a plan view of the machine;

Figure 2 is a view of the inner side of the hopper;

Figure 3 is a rear edge view of the same; and

Figure 4 is a perspective view.

A A represent the two sides, which are made of plank, of suitable thickness, in the form of sleigh-runners, connected by the cross-pieces B B.

At suitable points, under the sides A A, are secured the shares C C, which prepare the ground for the corn, which is dropped from the hopper through vertical openings in the sides A A.

In front and rear of the share C, on the under edge of the side A, are teeth a a, as seen in fig. 4.

On the upper edges of the sides A A are secured the hoppers D D, which have inclined bottoms.

The inclined bottom of the hopper or box D has a three-cornered orifice, in which is placed a scraper, b, of rubber or other elastic material, and under said opening is a shoulder, c, against which the lower curved end of the dropper E bears, said dropper being pivoted on the outside of the inclined bottom.

The dropper E is, on its inner side, provided with a groove or recess, in which is placed an adjustable spring, d, for the purpose of making said recess larger or smaller, at pleasure.

A grain of corn falls from the box D into the recess

in the dropper E, and is carried by said dropper, in a manner that will be hereinafter set forth, directly over the opening through the side A, when it falls down through the same, and is deposited in the ground.

On the upper end of the dropper E are pins e e, between which is inserted the edge of a foot-board, G, hinged to the middle cross-piece B, and held in an upright position by means of the spring H.

The driver, on his seat I, presses on said board G with his foot, which turns the droppers E E sufficient to drop the corn, as above mentioned, and as soon as the pressure is removed, the spring H will move the foot-board and the droppers back to their original position.

Having thus fully described my invention,

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

1. The sides A A, constructed as described, in the shape of sleigh-runners, and provided with shares C C, and pins or teeth a a, substantially as shown and described.

2. The dropper E, provided, on its inner side, with a recess, having an adjustable spring, d, and pivoted to the inclined bottom of the hopper or box D, substantially as and for the purposes herein set forth.

3. The hinged foot-board G, held in an upright position by the spring H, and connected with the droppers E E, substantially in the manner and for the purposes herein set forth.

4. The combination and arrangement of the sides A A, cross-pieces B B, shares C C, hoppers D D, droppers E E, foot-board G, spring H, and seat I, all constructed as described, and operating substantially in the manner and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 16th day of September, 1869.

HENRY GORTNER.

Witnesses:

N. W. SHERRARD,
DAVID SHERRARD.