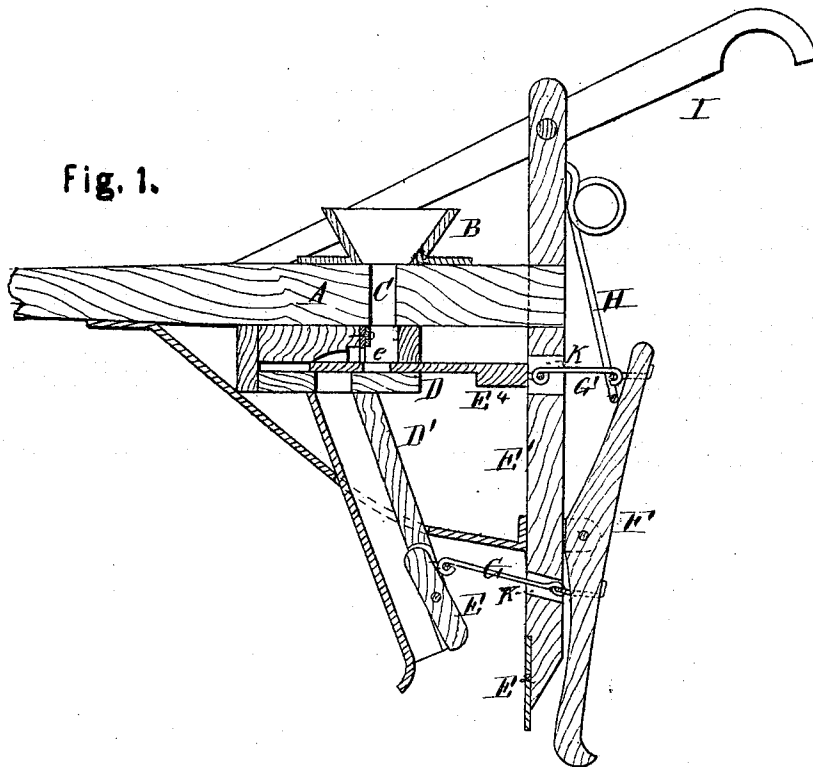


J. RICE.

Improvement in Corn-Planters.

No. 133,055.

Patented Nov. 12, 1872.



WITNESSES.

*C. A. Bates*

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INVENTOR.

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# UNITED STATES PATENT OFFICE.

JAMES RICE, OF PRAIRIE CREEK, INDIANA.

## IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. 133,055, dated November 15, 1872.

*To all whom it may concern:*

Be it known that I, JAMES RICE, of Prairie Creek, in the county of Vigo and State of Indiana, have invented a new and valuable Improvement in Corn-Planters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical section of my invention.

This invention has relation to corn-planters; and it consists in the construction and novel arrangement of devices for actuating the seed-slide and tube-valve, substantially as hereinafter described.

In the drawing, A represents a draft-beam; B, a seed-hopper; C, a hole through the beam for the grain to pass to the box D containing the seed-slide; D', a seed-tube running back obliquely from the bottom of the box D; E, a valve pivoted in a slot at the bottom and back part of said tube; E<sup>1</sup>, a vertical standard having a corn-coverer or scraper, E<sup>2</sup>, at the lower end; E<sup>4</sup>, the seed-slide having a hole at e to receive corn from the hopper. F is a lever pivoted to the back of the standard E<sup>1</sup> and extending below it. G G' represent flexible or hinged links connecting the seed-slide and valve to the lever. The seed-slide is connected to the lever above the pivot and the valve below the pivot. H is a spring tending to force the upper end of the lever out from the standard and the lower end toward it, as shown.

When the rear end of the implement is raised by means of its handles I, the spring H throws back the upper end of the lever F, which is connected to the slide, thus causing the seed-opening in the latter to coincide with the aperture C. A quantity of seed is thereupon received in the opening e, which, with the part D, forms a cup to hold it.

Now, by lowering the implement while it is being drawn forward the lower and beveled end of the lever is brought in contact with the ground. The lower end is therefore pushed back, closing the valve, and the upper end pressed toward the standard, thereby moving the seed-slide so that its contents will fall into the seed-tube. By raising the implement the lever, by the action of the spring, will be made to assume its first position, the valve will be opened, and the contents of the tube allowed to fall on the ground. At the same time the seed-slide will be drawn back to receive a fresh supply of seed.

K designates holes through the standard E<sup>1</sup> for the links G G' to pass through.

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

The combination of the valve E, seed-slide E<sup>4</sup>, lever F, spring H, and links G G', all arranged substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES RICE.

Witnesses:

WM. C. SHATTUCK,  
CLEMENT HARPER.