

No. 634,736.

Patented Oct. 10, 1899.

H. MOORE.  
CORN PLANTER.

(Application filed May 8, 1899.)

(No Model.)

FIG. 1

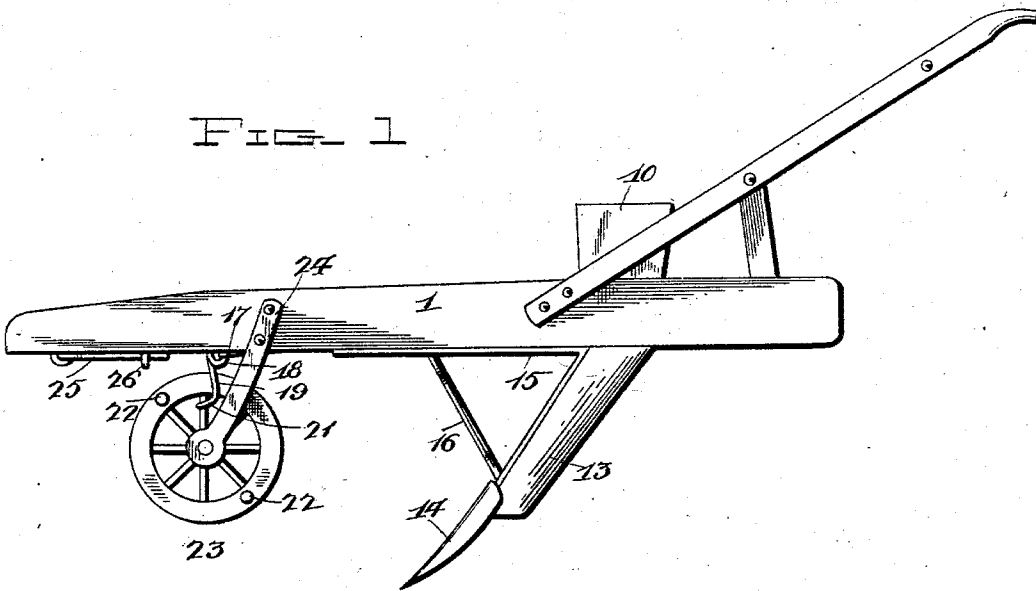


FIG. 3

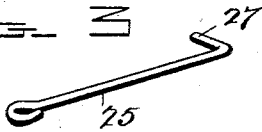
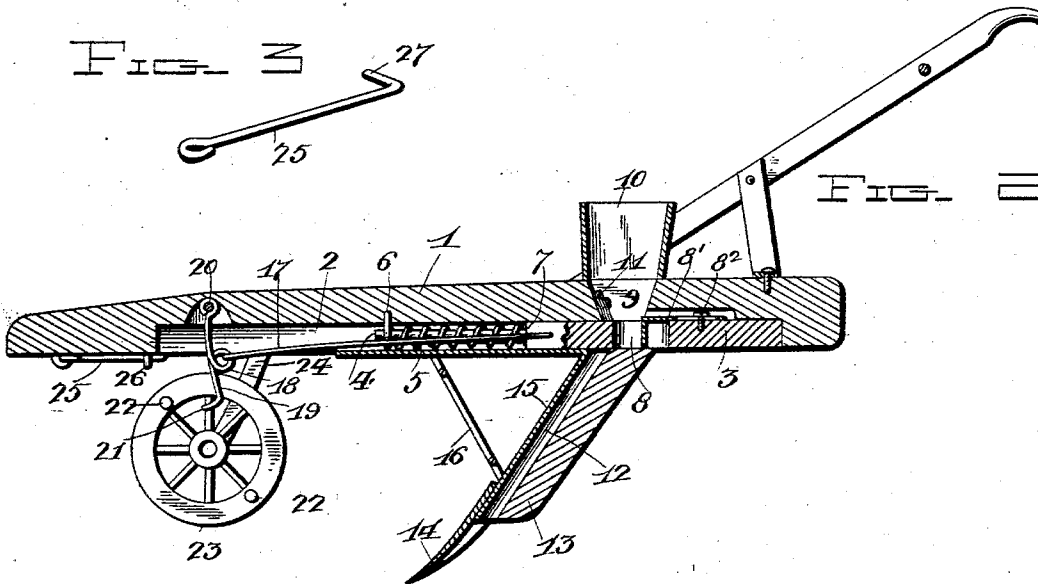


FIG. 2



Witnesses

*D. G. [Signature]*  
*[Signature]*

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# UNITED STATES PATENT OFFICE.

HERMAN MOORE, OF MOUNDSVILLE, WEST VIRGINIA.

## CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 634,736, dated October 10, 1899.

Application filed May 8, 1899. Serial No. 715,958. (No model.)

*To all whom it may concern:*

Be it known that I, HERMAN MOORE, a citizen of the United States, residing at Moundsville, in the county of Marshall and State of West Virginia, have invented certain new and useful Improvements in Corn-Planters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain novel improvements in corn-planters; and the object is to provide a simple, inexpensive, effective, and durable implement of this character.

To this end the invention consists in the construction, combination, and arrangement of the several elements of the device, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference characters indicate the same parts of the invention.

Figure 1 is a side elevation of my improved corn-planter. Fig. 2 is a longitudinal section, and Fig. 3 is a perspective detail view, of the locking-latch.

1 denotes the beam, formed on its under face with a groove 2 to receive the reciprocating valve 3, the forward end of which is provided with a cylindrical shank 4, encompassed by a spiral spring 5, which extends from the fixed guide-staple 6 to the shoulder 7 on the valve 3. The valve is formed with a vertical seed-slot 8 to receive the grain or corn, and when the valve is at the rearward limit of its stroke the slot is alined with the flaring pocket 9, formed in the beam and which coincides with the bottom of the seed-hopper 10, and when the valve is drawn forward the slot passes under the grain-brush 11 and is alined with the passage 12 in the standard 13, which opens to permit the grain to drop behind the plow-point or opener-blade 14.

15 denotes a sheet-metal plate which covers the passage 12 in the standard and the rear portion of the groove 2 in the beam, and it also forms a support to assist in securing the standard to the beam.

16 denotes a diagonal brace extending from the lower end of the standard to the beam.

17 denotes a connecting-rod extending from the valve 3 to an eye 18, formed in the lever 19, fulcrumed on the bolt 20, fixed in the beam, and the free end of this depending lever terminates in a toe 21, which projects into the path of the pins 22, fixed in the side of a ground-wheel 23, mounted in the parallel arms 24 24, fixed to the beam.

25 denotes a latch pivoted to the under side of the forward end of the beam and when not in use rests in the keeper 26, fixed to the beam, and when the planter is traveling to and from the field the bill 27 of the latch 25 is inserted in the eye 18 of the lever 19 to prevent the machine dropping corn when it is not in use.

The arrangement of the pins 22 is entirely optional with the operator, as any number may be arranged at the proper intervals to produce the desired result, and the number of grains of corn to be dropped can also be increased or diminished by means of the sliding plate 8', which is adjustably secured in the slot by means of the set-screw 8<sup>2</sup>. The accompanying drawings show my invention in the best form now known to me; but many changes in the details might be made within the skill of a good mechanic without departing from the spirit of my invention as set forth in the claim at the end of this specification.

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

The grooved beam, the seed-hopper and the grooved standard, the slotted seed-valve and its retractile spring, the depending lever 19, formed with the eye 18, and toe 21, the coacting ground-wheel having pins and the pivoted latch adapted to engage said lever, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HERMAN MOORE.

Witnesses:

M. E. MCKINNEY,  
L. B. MCFARLAND.