

(No Model.)

L. WHITE.
WALKING SEED PLANTER.

No. 554,159.

Patented Feb. 4, 1896.

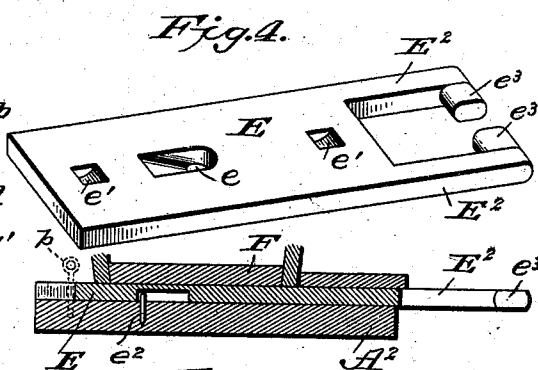
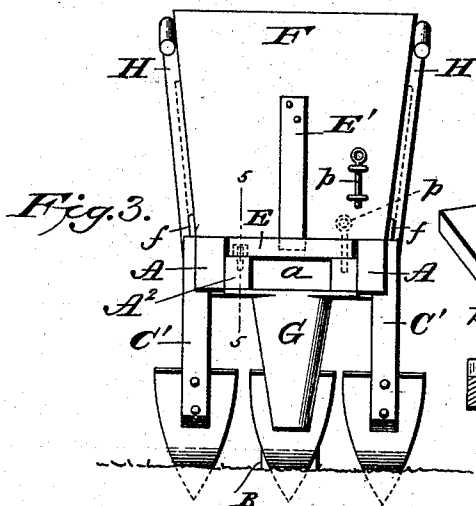
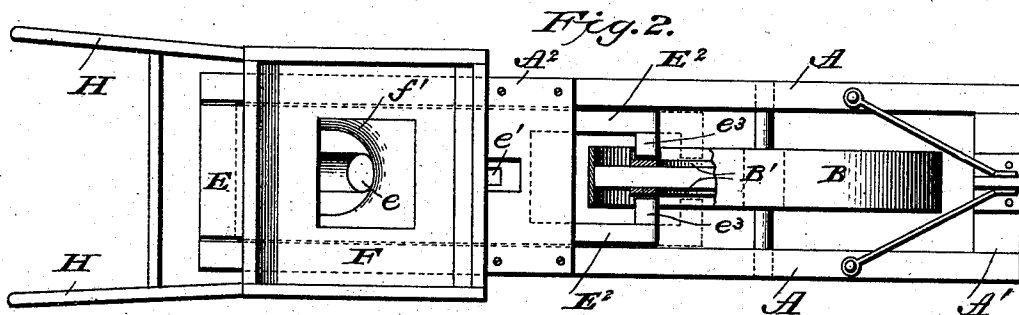
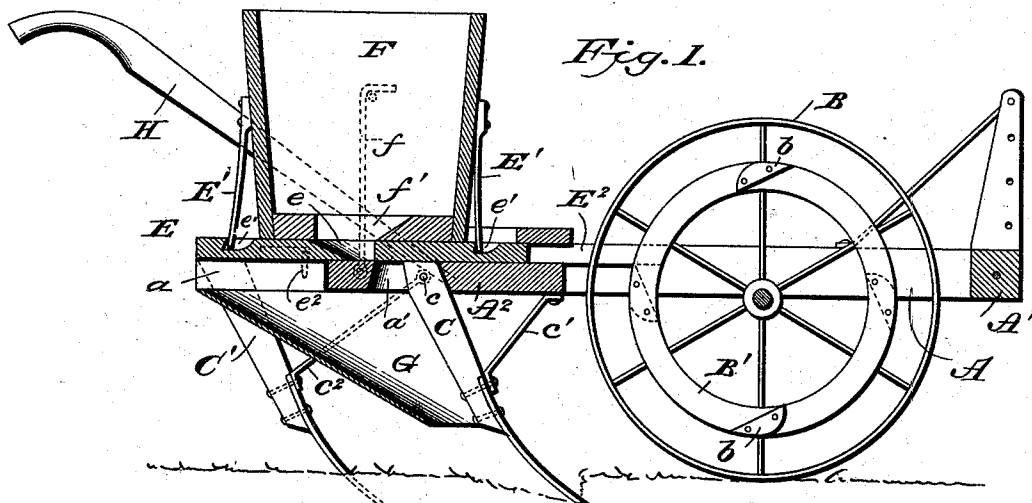


Fig. 5.
Lee White
INVENTOR

WITNESSES
L. S. Elliott.
W. Johnson

by *[Signature]*
Attorney

UNITED STATES PATENT OFFICE.

LEE WHITE, OF HAWKINS, TEXAS.

WALKING SEED-PLANTER.

SPECIFICATION forming part of Letters Patent No. 554,159, dated February 4, 1896.

Application filed November 30, 1895. Serial No. 570,720. (No model.)

To all whom it may concern:

Be it known that I, LEE WHITE, a citizen of the United States of America, residing at Hawkins, in the county of Wood and State of Texas, have invented certain new and useful Improvements in Walking Seed-Planters; and I do hereby 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in walking seed-planters; and it consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a longitudinal sectional view. Fig. 2 is a plan view, a part of the wheel being broken away. Fig. 3 is a rear elevation. Fig. 4 is a detail perspective view of the reciprocating slide, and Fig. 5 is a sectional view on the line 5 5 of Fig. 3.

The frame of the planter is made up of longitudinal beams A A connected at their forward end by a cross-piece A' and at their rear end by a cross-piece A², leaving a space between said cross-pieces for the supporting-wheel B, hereinafter described. The cross-piece A² is cut away at its rear end, as shown at a, and is provided centrally with a discharge-opening a', and immediately in front of said discharge-opening the cross-piece is mortised to receive the upper end of the forward shovel-standard, C, the bolt c which connects the standard to the cross-piece also passing through the longitudinal beams A A to secure said cross-piece thereto. The standards C' C' of the rear shovels are secured to the rear ends of the longitudinal beams A A.

The standards C and C' of the shovels are braced to the frame of the planter by rods c' and c², the rods c² being connected to the ends of the bolt c.

The cross-piece A² is secured to the longitudinal beams A A below the upper edges of the same, and upon this cross-piece is mounted a seed-slide E, the upper surface of which is

substantially flush with the upper edges of the longitudinal beams, and the seed-slide is held in place by the hopper F, which is mounted upon the beams A and secured thereto by lateral pins and the hooks f f'. The seed-slide is provided with a discharge-opening e which registers with the discharge-opening a', and the bottom of the hopper is also provided with a discharge-opening f', which is out of line with the opening a'. Notches e' are provided in the upper side of the seed-slide front and rear of the opening e therein, and with these notches engage flat springs E' secured to the hopper, the action of said springs being to return the seed-slide to its normal position, the movement of the slide being limited in both directions by a pin e², which projects from the cross-piece A² and engages a recess in said slide.

The forward end of the seed-slide E is bifurcated to present members E², which lie on each side of the supporting-wheel B and are provided at their forward ends with inwardly-projecting blocks e³. The inner edges of the blocks e³ are curved and engage cams b, which are secured to rims B' attached to the supporting-wheel on each side thereof. The cams move the seed-slide against the action of the springs so as to bring the opening e therein on a line with the discharge-opening a' in the cross-piece A², and when the slide is free of the cams the springs move the same so that the opening e will be on a line with the opening f' in the bottom of the hopper to receive a charge of seed. The opening a' discharges into a spout G which deposits the seed upon the ground immediately in the rear of the forward shovel. This spout is secured to the standard C and to the longitudinal side pieces of the frame.

The seed-slide E is held out of an operative position by a pin p which passes through an aperture therein and engages an aperture in the cross-piece A². This pin holds the slide at the limit of its forward movement against the action of the springs E', so that the blocks e³ will be out of the path of the cams b. When not in use the pin p is supported in staples attached to the rear end of the hopper.

The planter is provided with the usual handles H and upright to which the draft mechanism is attached, the upright being secured

to the cross-piece A' and braced to the longitudinal side pieces A, as shown.

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

1. In a walking seed-planter, the combination with a frame consisting of longitudinal beams A A connected to each other by cross-pieces A' and A², the cross-piece A² being located below the upper edges of the beams; of a supporting-wheel B journaled between the longitudinal beams and provided with cams *b* on each side; a seed-slide E mounted upon the cross-piece A² so as to be flush with the upper edges of the beams A, said seed-slide having forwardly-projecting arms E² provided with blocks *e*³ which are engaged by the cams *b*; a hopper F mounted upon the longitudinal beams to overlie the seed-slide and provided with flat springs which engage the seed-slide to return it to its normal position, and a pin *e*² carried by the cross-piece A² and engaging a recess in the seed-slide to limit its movement in both directions; the frame of the planter having the usual shovels

and seed-spout, substantially as shown and for the purpose set forth.

2. In a walking seed-planter, the combination with a frame consisting of longitudinal side pieces A A connected to each other by cross-pieces A' and A², the bolt *c* which connects the cross-piece A² to the beams A extending beyond the sides of the latter; of the standard C of the forward shovel let into a mortise in the cross-piece A² and held in place by the bolt *c*; standards C' C' secured to the rear ends of the longitudinal beams, and brace-rods *c*³ which extend from the standards C' and are provided at their forward ends with eyes which engage the ends of the bolt *c*; together with the seed-spout G secured to the forward standard and to the longitudinal beams A, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

LEE WHITE.

Witnesses:

R. E. FITTS,

E. D. POUNCY.