

(No Model.)

J. C. GRIFFIN.

COMBINATION COTTON PLANTER AND MANURE DISTRIBUTER.

No. 247,904.

Patented Oct. 4, 1881.

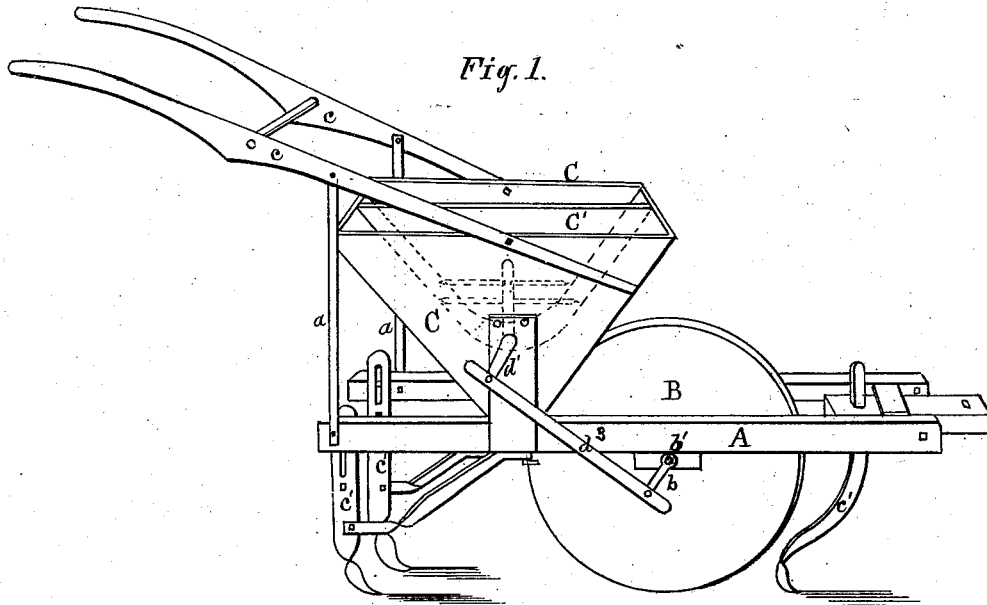


Fig. 2.

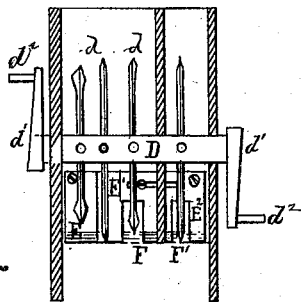


Fig. 3.

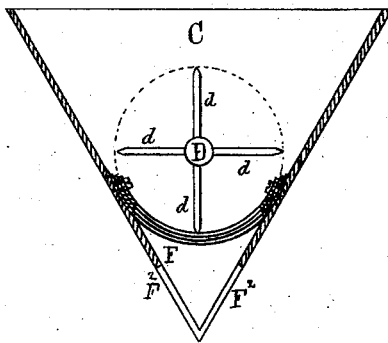


Fig. 4.

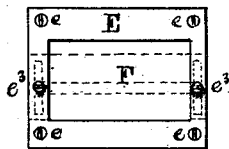
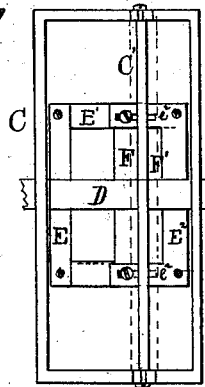


Fig. 5.

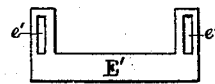


Fig. 6.

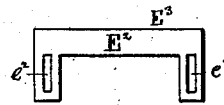


Fig. 7.

Witnesses

J. M. Miller
W. R. Singleton

Inventor

John C. Griffin
Per Ireland & Singleton
Atty

UNITED STATES PATENT OFFICE.

JOHN C. GRIFFIN, OF NINETY-SIX, SOUTH CAROLINA.

COMBINATION COTTON-PLANTER AND MANURE-DISTRIBUTER.

SPECIFICATION forming part of Letters Patent No. 247,904, dated October 4, 1881.

Application filed July 27, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. GRIFFIN, of Ninety-Six, Abbeville county, South Carolina, have invented a new Improvement in Combination Cotton-Planter and Manure-Distributor, of which the following is a specification.

This invention relates to improvements in combined seed and manure planters, wherein the partition between the seed-hopper and fertilizing-chamber is made adjustable and the openings of both chambers are also adjustable, all of which will be hereinafter more fully described, and set forth in the claims.

Figure 1 is a perspective view of the apparatus. Fig. 2 is a vertical longitudinal section of the hopper, showing the seed and fertilizing chambers, &c. Fig. 3 is a transverse vertical section, showing the circular form of the hopper-lining. Fig. 4 is a top view of the hopper. Fig. 5 is a plan and section of the lining-plate. Figs. 6 and 7 are similar views of the two sliding plates.

A represents the frame-work of the machine, in which are sustained the several parts. A wheel, B, is supported in proper bearings, by which the apparatus is moved. In front of wheel B is the opening-blade *e'*, and in the rear of the wheel are two covering-blades, *e' e'*.

The hopper C, of ordinary construction exteriorly, is supported on frame A and braced properly by rods *a a*, and on the sides of the hopper C are handles *c c*, properly braced. So far the machine is not novel, as it is like very many used for a similar purpose. The inside of hopper C is divided by an adjustable partition, C', which is fastened by screws on the sides of the hopper in slots made for the purpose of allowing a slight movement of the partition C' in either direction, as indicated by dotted lines in Fig. 4. The bottom of the exterior of hopper C is cut away, as seen in Fig. 3 at F². Inside of the hopper a metal plate, E, as seen in Fig. 5, forms the bottom and extends across the sides of the hopper, and is fastened by screws *e e e e*. The middle part, F, is cut away, leaving an opening to correspond with the opening F² of the exterior of the hopper.

E' is a plate, as seen in Fig. 6, concentric to plate E, with a portion cut out, and in the wings are slots *e' e'*. E² is a similar plate, reversed in position to plate E'. Plate E' is

placed over plate E, the slots *e' e'* fitting over screws *e³ e³* on plate E, and which screws pass through plate E and into the wooden sides of C. Plate E² is also put over plate E, and the slots *e² e²* pass over the screws *e³ e³* in a reversed position to plate E'. When these two plates are in position in the hopper, E can be adjusted toward or from the partition C', so as to make the opening for the seed, which is to be placed in that side of the hopper, to suit the character thereof and the supply required. The plate E² is so adjusted that the outer edge, E³, will be beyond the partition C', and it can be so adjusted as to close the opening F in the bottom plate, E, altogether; or it may be so adjusted as to admit the desired quantity of fertilizing material to be supplied with the seed. By these two adjustable plates the proportion of fertilizer to the quantity of seed can be nicely and economically adjusted, added to which, by the adjustment of the partition, there is greater latitude in the suitable adjustment of these chambers. Thus in one seed-planter the agriculturist has the advantage of several machines, simply requiring a proper adjustment, dictated by experience in each case.

The handles or cranks *d' d'* can be attached by their wrists *d² d²* to connecting-rods *d³*, to the cranks *b* on the ends of the wheel-axle *b'*.

The main axle D is properly supplied with long stirrers *d d*, certain ones of which are long enough to enter the openings below, while others are away from the opening and simply agitate the seed.

I claim—

1. In a combined seed-planter and fertilizer, the concentric bottom plate and two adjustable slides, reversible to each other and transverse to the partition, substantially as and for the purpose described.

2. In a combined seed-planter and fertilizer, the concentric bottom plate, two reversible adjustable slides, and an adjustable partition between the seed and fertilizing chambers, all combined and constructed substantially as and for the purpose described.

JOHN C. GRIFFIN.

Witnesses:

E. M. LIPSCOMB,
R. P. QUARLES.