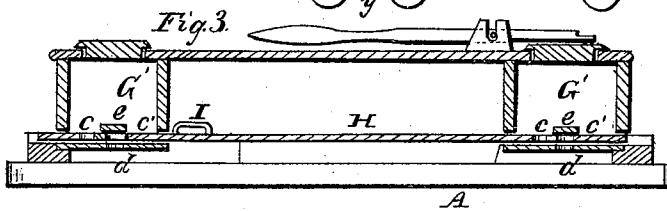
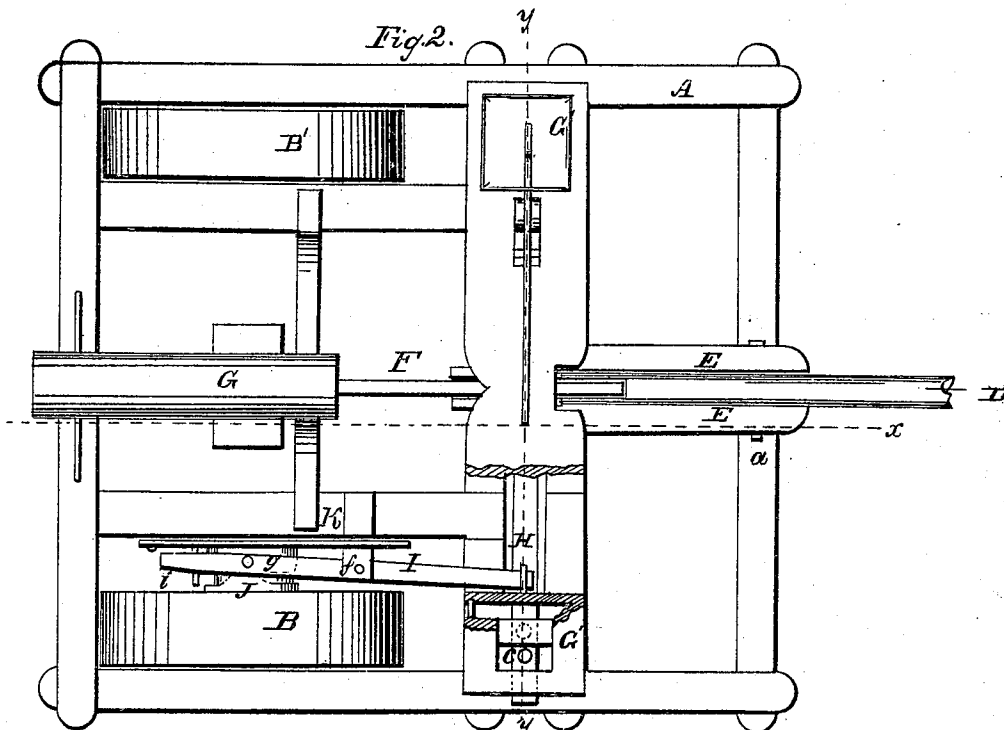
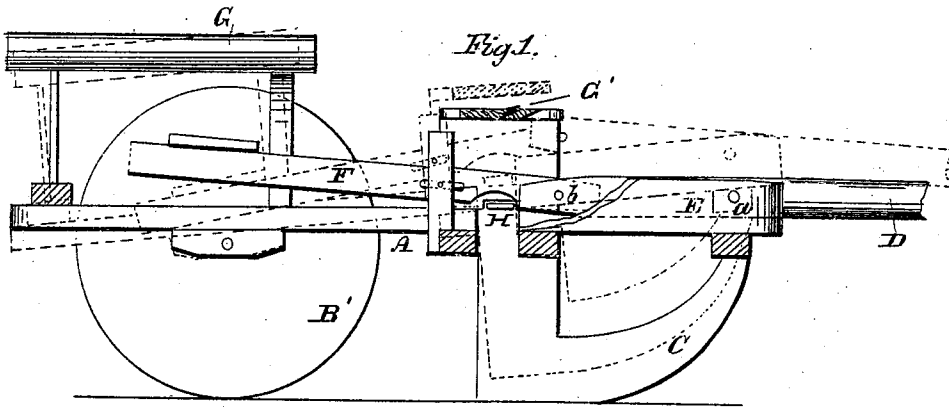


A. ARMSTRONG.

Corn Planter.

No. 76,971.

Patented April 21, 1868.



Witnesses
Theo. F. Fitch
W. F. Fitch

Inventor.
A. Armstrong
Per Munnell
Atty.

United States Patent Office.

AARON ARMSTRONG, OF GILLESPIE, ILLINOIS.

Letters Patent No. 76,971, dated April 21, 1868.

IMPROVEMENT IN CORN-PLANTER.

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, AARON ARMSTRONG, of Gillespie, in the county of Macoupin, and State of Illinois, have invented a new and improved Corn-Planter; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to a new and improved corn-planter of that class which is mounted on wheels, and on which the driver rides.

The invention relates to a new and improved mode of raising the furrow-shares out of the ground, and in an improved mechanism for operating the seed-distributing device.

In the accompanying sheet of drawings—

Figure 1 is a side sectional view of my invention, taken in the line *x x*, fig. 2.

Figure 2, a plan or top view of the same.

Figure 3, a transverse vertical section of the same, taken in the line *y y*, fig. 2.

Similar letters of reference indicate like parts.

A represents the frame of the machine, which is supported, at its rear part, by two wheels, B B', the front part being supported by two runners or furrow-openers, C C.

D is the draught-pole, which is secured, near its rear end, between two bars, E E, by a pin or bolt, *a*. The rear end of the draught-pole is connected, by a pivot, *b*, with a lever, F, which extends back underneath the driver's seat G, so that it may be readily acted upon by the feet of the driver; and, when said lever is depressed or forced down, the runners or furrow-openers C C, with the front part of frame A, will be raised, (as shown in rod in fig. 1,) in consequence of the front end of the draught-pole being retained or held by the neck-yoke of the team.

By this arrangement, the runners or furrow-openers, whenever required, may be raised from the surface of the ground with the greatest facility.

On the frame A there are placed two seed-boxes, G' G', one at each side, and a slide, H, works through both these boxes, over the bottoms thereof.

This slide has two holes, *c c'*, made through it at each end; and these holes, owing to a reciprocating motion which is given the slide, are brought alternately in line with a hole, *d*, in the bottom of each box, and underneath bars or cut-offs *e*, the seed in the holes *c c'* being discharged when they come in line with the holes *d*. This mode, however, of discharging seed is old and well known, and does not require a minute description.

The slide H is operated, or has a reciprocating motion given it, by means of a lever, I, which has its fulcrum-pin, at *f*, on the frame A, said lever having a pin, *g*, passing vertically through it, which pin is fitted into a groove, *h*, in the hub J of wheel B, said grooved hub constituting a cam, which gives a vibrating motion to the lever I.

At any time when it is desired to render the seed-distributing device inoperative, the rear part of the lever I is raised by means of a lever, K, which has a pin, *i*, projecting from it at right angles, said bar extending under the lever I. By simply raising the lever K, the pin *i* is made to press upward against the under side of lever I, and raise it, so that the pin *g* of I will be out of the groove *h* of the cam, and, consequently, no motion communicated to the lever.

The groove *h* may be curved, so as to give a greater or less number of vibrations to the lever I at each revolution of the cam, in order to drop the corn at a greater or less distance apart, as may be desired; and, by closing one of the holes, *c* or *c'*, at the ends of the slide H, the droppings of seed will be diminished; of course, one-half, and the hills consequently planted at double the distance apart.

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

The foot-lever F, connected or applied to the draught-pole D, to operate in the manner substantially as and for the purpose set forth.

AARON ARMSTRONG.

Witnesses:

C. L. BENEDICT,
ROBT BROWN.