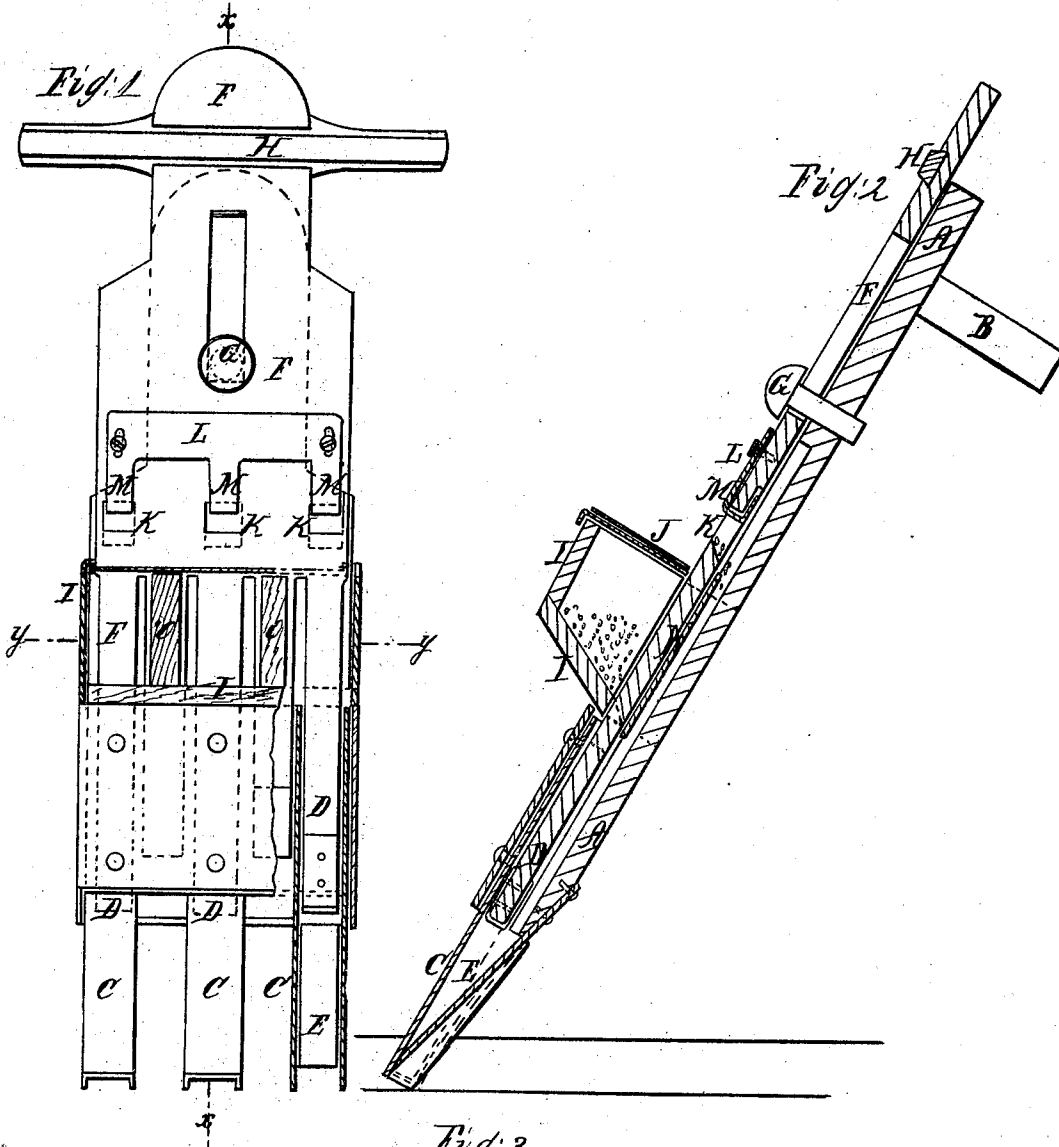


P. M. Collum.

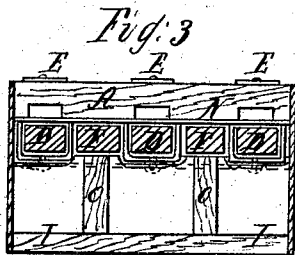
Corn Planter.

N^o 109,437.

Patented Nov. 22, 1870.



Witnesses
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PETER McCOLLUM, OF FAYETTE, MISSOURI.

Letters Patent No. 109,437. dated November 22, 1870; antedated November 17, 1870.

IMPROVEMENT IN HAND CORN-PLANTERS.

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, PETER McCOLLUM, of Fayette, in the county of Howard and State of Missouri, have invented a new and useful Improvement in Hand 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 drawing forming part of this specification, in which—

Figure 1 is a front view of my improved planter, parts being broken away to show the construction.

Figure 2 is a longitudinal section of the same, taken through the line *x x*, fig. 1.

Figure 3 is a detail cross-section of the same, taken through the line *y y*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved hand corn-planter, which shall be so constructed as to scatter the kernels in the hill so that the plants need not be all pulled up in thinning out the hills; and

It consists in the planter, constructed as herein-after more fully described.

A is the main board of the planter, to the rear side of the upper end of which is attached a handle, B.

The forward side of the board A has two or more grooves formed in it; of such a size as to allow the corn to pass through them freely to the two or more spouts or prongs C attached to the lower part of the board A.

The rear side of the prongs or spouts C is left open, and their sides are extended up to form guides or ways for the plungers D.

The rear open sides of the spouts or prongs C are closed by the springs E, the upper ends of which are attached to the lower end of the board A, in such a position that their lower ends will rest against the lower part of the front side of said spouts or prongs, to prevent the entrance of the soil, and to detain the corn until the said springs are pushed back by the descent of the plungers D.

The plungers D are formed upon the lower part of the board F, which slides up and down upon the front side of the board A, where its movement is limited by the stop-pin or screw G, which passes through a slot in the upper part of the board F, and is secured to the board A.

To the upper end of the board F is attached a cross-bar or handle, H, for convenience in operating the plungers.

I is the seed-box, which is securely attached to the board A, and which is provided with a cover, J.

The board F forms the rear side of the seed-box I, and its lower part is slotted, as shown in fig. 1, said slots being made wide enough to admit the sides of the spouts or prongs C, and at the same time so narrow that the seed cannot pass through them.

In the board F are formed two or more holes, K, to receive the seed, said holes being made of such a size that their united capacity may be sufficient for the corn for a single hill.

The size of the holes K may be regulated by the plate L, which is formed with downwardly-projecting arms or tongues, M, the lower ends of which are bent twice at right angles, as shown in fig. 2, so as to enter the said holes and overlap the under side of the board F.

The plate L M is adjustably secured to the board F by set-screws, which pass through slots in the said plate and screw into the said board.

The holes K are so placed in the board F that, when the plunger-board F D is fully lowered, the said holes may be near or at the bottom of the seed box I, and when the said plunger-board is fully raised, the said holes may be above the top of the said box I.

N is a plate interposed between the board A and the plunger-board F D, and which is securely attached to the said board A.

The plate N extends from the bottom, or a little below the bottom, of the seed-box I to a little above the top of the said seed-box, and serves as a bottom to the holes K, to prevent the seed from escaping from said holes before it has been raised above the said box I.

In using the planter, as the plunger-board is raised the seed escape from the holes K into the channels of the board A, down which they slide, and rest upon the springs E.

The prongs or spouts C are then thrust into the ground and the plunger-board F is pushed down, the plungers D forcing back the springs E, and allowing the seed to escape into the ground. At the same time the holes K become filled with seed, which escapes into the channels of the board A as the plunger-board F is again raised.

The seed-box I is divided into as many compartments as the planter has prongs or spouts by partitions O, as shown in figs. 1 and 3, so as to keep the seed always in such a position that it may enter all of the holes K at the same time.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The combination of the channeled board A, two or more spouts or prongs E, two or more plungers D, plunger-board F, dropping-holes K, adjustable tongued plate L M, stationary plate N, and seed-box I, divided into two or more compartments by the partitions O, with each other, said parts being constructed and operating substantially as herein shown and described, and for the purpose set forth.

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Witnesses:

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