

U. T. Wilson,

Corn Planter.

No. 113,233.

Patented Mar. 28. 1871.

Fig. 1.

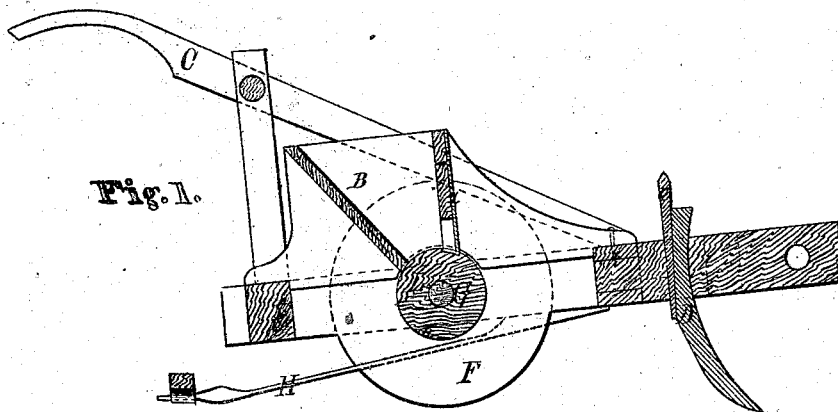
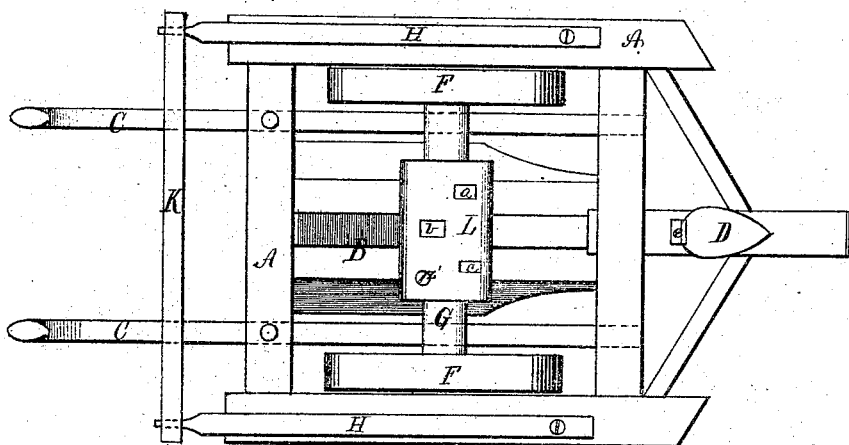


Fig. 2.



Witnesses:
Chas. Henson,
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URIAH T. WILSON, OF DE SOTO CITY, MISSISSIPPI.

Letters Patent No. 113,233, dated March 28, 1871.

IMPROVEMENT IN 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, URIAH T. WILSON, of De Soto City, in the county of De Soto and State of Mississippi, have invented a new and valuable Improvement in "Corn-Planters;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a central vertical section of my invention.

Figure 2 is a plan view of the same.

My invention has relation to an improvement in corn-planters; and

It consists in the construction of a dropper-sleeve or cylinder, provided with a series of sets of pockets of different numbers, and arranged to be adjusted laterally and horizontally on the shaft of the wheels in such a manner as to bring any desired set of pockets under the hopper.

The letter A of the drawing represents the frame of the corn-planter provided with the hopper B and handles C C.

D represents the opener, adjusted by means of the wedge e.

F F are the wheels, keyed on the shaft G in such a manner as to turn therewith.

H H designate spring-arms, secured at their forward ends to the lateral beams of the frame.

To the rear ends of these spring-arms is attached the covering-bar or drag K.

L represents the dropper-sleeve.

This is a cylinder, slipped endwise on the shaft G, and designed to be adjusted back and forth thereon, being secured in any desired position by the key Z' or other suitable device. This cylinder is usually about as long as half the distance between the wheels; it may be shorter, however.

Around the circumference of the cylinder are sets, a b c, of pockets, respectively numbering two, three,

and four pockets. There may be more sets, having an increased number of pockets, if desired. The size of the pockets may be varied by simple slides when a larger or smaller number of grains to the hill is wished.

In order to prevent the grain from being broken when it becomes lodged between the hopper and the cylinder a spring, Z, is employed.

If the set a of two pockets be adjusted under the hopper the grain will be dropped twice in one revolution of the wheels, and at a distance apart equal to one-half of the circumference of the wheels; that is to say, if the wheels be about two feet in diameter the hills will be about three feet apart. With wheels of the same diameter, when the set b of three pockets is employed, the hills will be about two feet apart; and if the set c of four pockets be adjusted under the hopper, the hills will be about eighteen inches from each other.

Instead of using slides to change the size of the pockets on the same cylinder, it may be removed and replaced by one having pockets of a different size.

This is a simple planter, easily constructed, and when the planting is in ridges, as is most customary in the South, it is designed to serve a very useful purpose.

Having thus fully described my invention,

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

In a corn-planter, the combination of the spring cut-off Z with the adjustable dropper-sleeve L, provided with sets a b c of one, two, three, or more pockets, and set-screw Z', substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

URIAH T. WILSON.

Witnesses:

WILLIAM F. BAKER,
WILLIAM C. CALLICOTT.