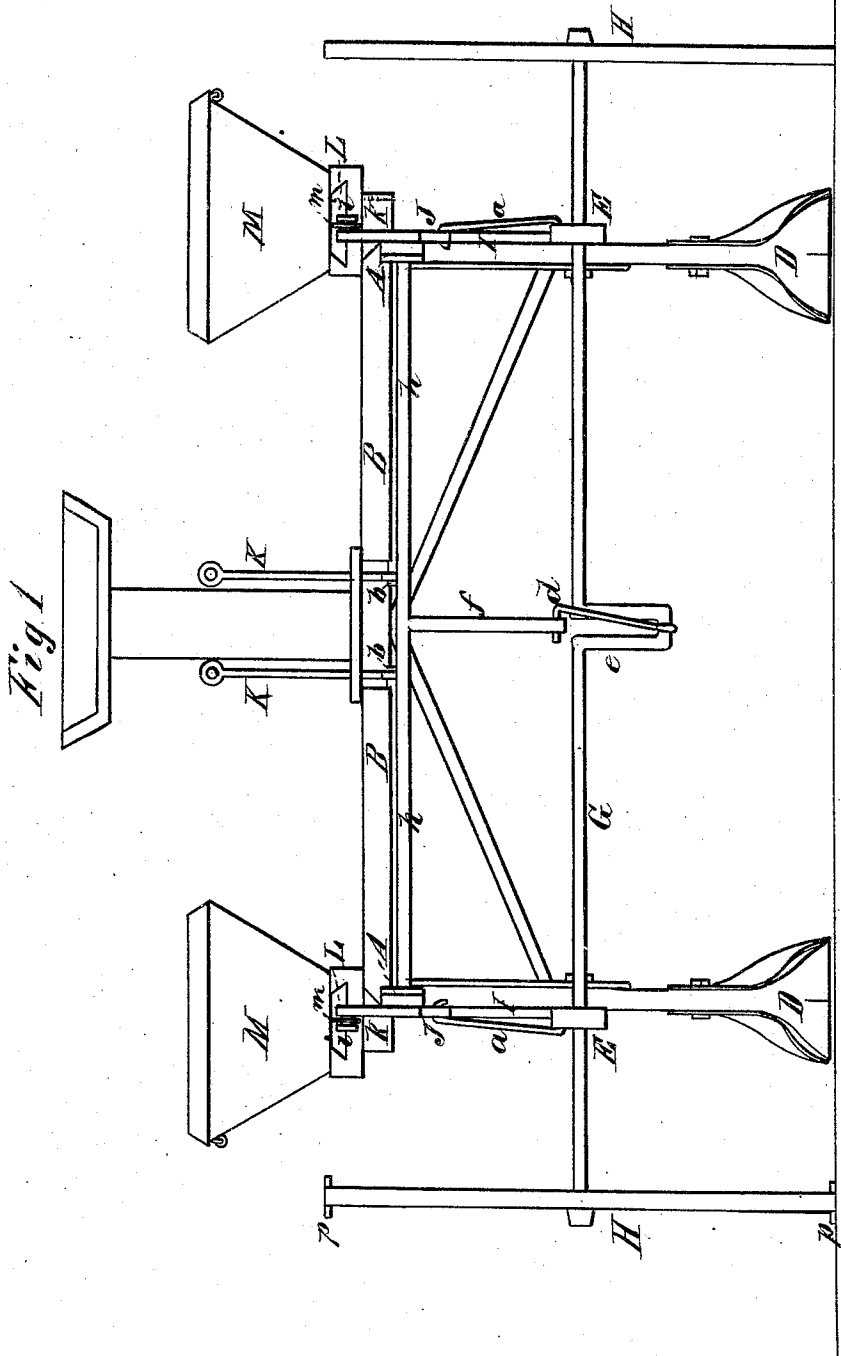


W. H. DYKE.
CORN-PLANTER.

No. 184,354.

Patented Nov. 14, 1876.



WITNESSES

C. R. Searle.
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INVENTOR.

William H. Dyke,
Gilmore & Smith Co.

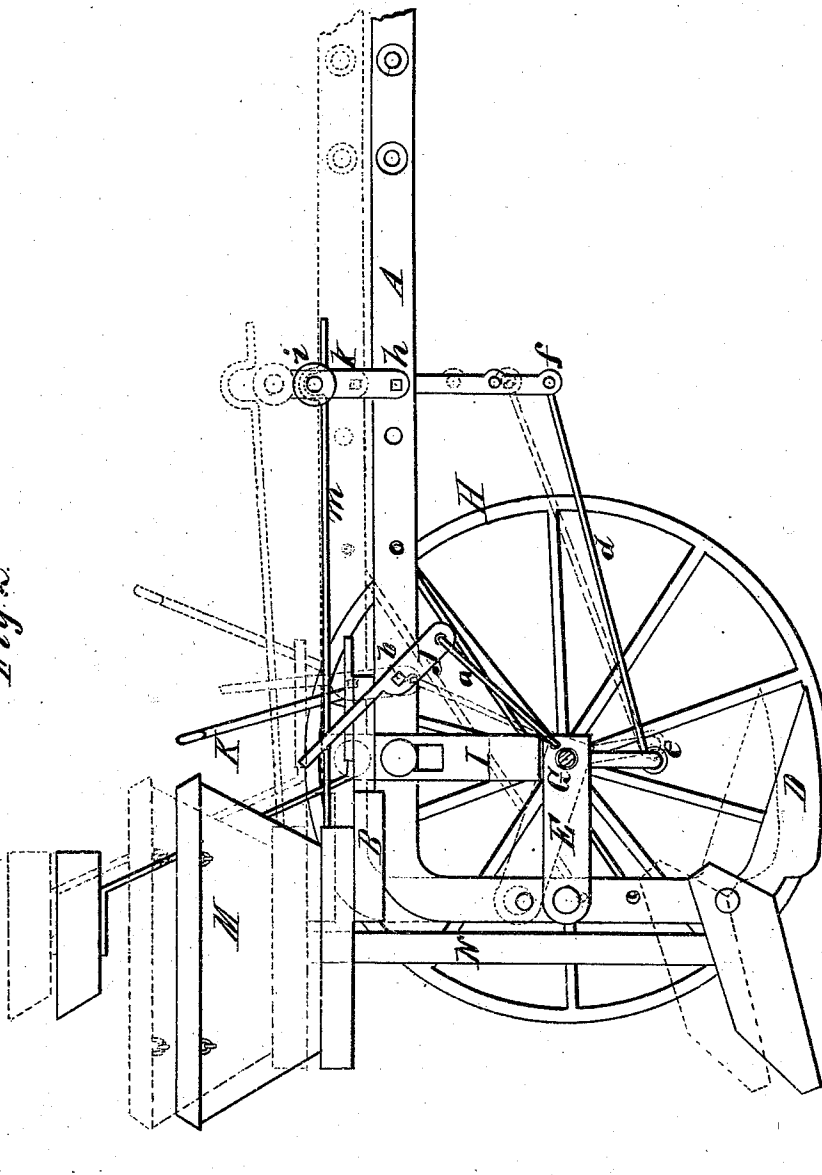
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Fig 2.



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Fig. 3.

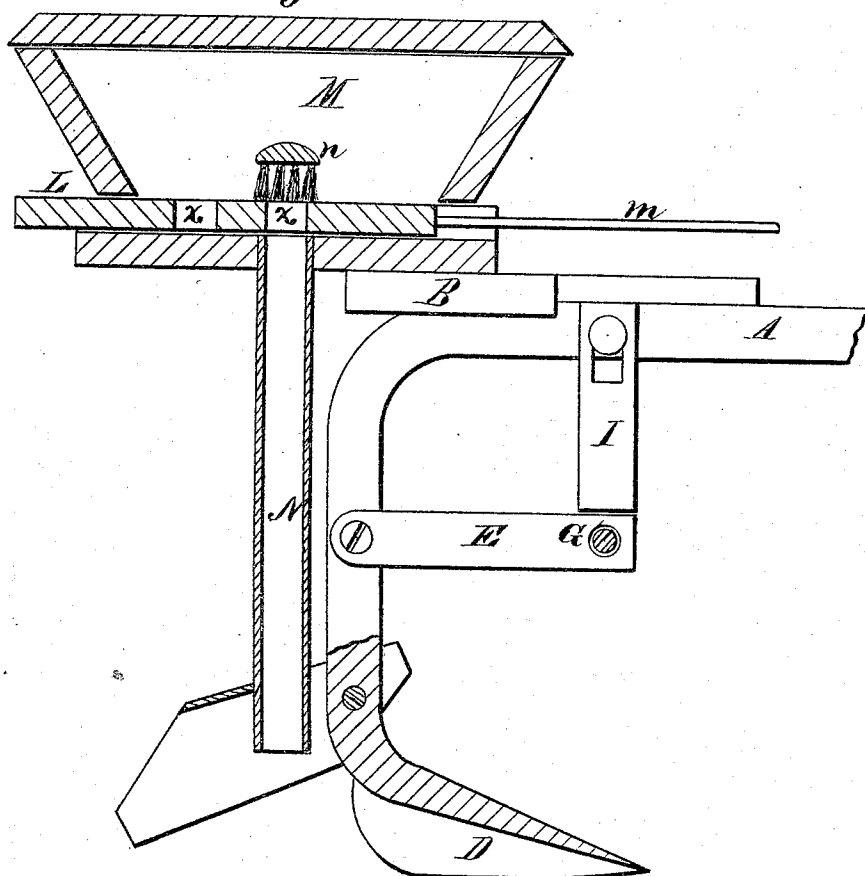


Fig. 4.

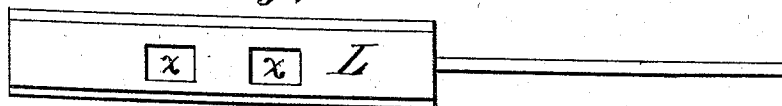
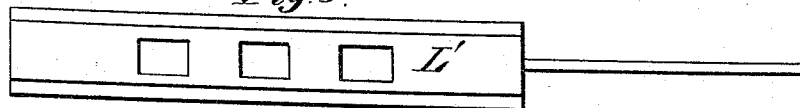


Fig. 5.



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UNITED STATES PATENT OFFICE.

WILLIAM H. DYKE, OF GREENFIELD, OHIO.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **184,354**, dated November 14, 1876; application filed March 25, 1876.

To all whom it may concern:

Be it known that I, WILLIAM H. DYKE, of Greenfield, in the county of Highland and State of Ohio, 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 drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a rear elevation of my corn-planter, and Fig. 2 is a side elevation of the same. Fig. 3 is a longitudinal vertical sectional view thereof, and Figs. 4 and 5 are detail views of my corn-planter.

The nature of my invention consists in the construction and arrangement of an implement for planting and drilling corn, as will be hereinafter more fully set forth.

In the annexed drawing, A A represent two wrought-iron beams, connected by a platform, B, secured on top of them, and having shafts secured between the front ends. The rear ends of the beams A are curved downward, and have the shovel-plows D D secured to their lower ends. A suitable distance above the shovel on each beam A is pivoted an arm, E, and through the front ends of the two arms passes the axle G, having a wheel, H, secured upon each end. During the operation of the machine the front end of each arm E rests against an adjustable bar, I, secured to the beam A. By moving these beams or bars I up or down on the beams, the depth at which the plows are to work in the ground is easily regulated.

The front end of each arm E is, by a rod, a, connected with the lower end of a lever, J, which is secured to a rocking shaft, b, running under the front edge of the platform B, and having a lever, K, attached to its inner end. By means of the levers K K the axle G can thus be lowered so as to raise the plows out of the ground.

In the center of the axle G is a crank, e, connected by a pitman, d, with an arm, f, projecting from a rocking shaft, h, having its

bearings in the beams A A. On each end of the rocking shaft h is an arm, k, with headed stud i on its outer end. On this stud is hooked a rod, m, connecting with the drop-slide L, working in the corn-box M. This box is provided with a central brush or cut-off, n, and the slide has two dropping-holes, x x. N is the tube or conductor leading from the bottom of the corn-box downward behind the plow D. It will thus be seen that each revolution of the axle rocks the shaft h back and forth, causing a drop at each half revolution of the axle.

The upper ends of the levers J are forked, and the rods m pass through said forks, so that when the levers K are operated to raise the shovels out of the ground, and said levers J thereby placed in a vertical position, they will lift the hooked rods m off from the studs i, and thus disconnect the dropping-slides from the operating mechanism.

For drilling, the slides L are removed, and slides L', with three holes, are substituted, and the position of the pitman d on the arm f is changed.

On the wheels H are attached markers p, to show where each hill has been dropped, so that the operator can keep the rows in line.

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

1. In a corn-planter, the combination of the curved beams A A, pivoted arms E E, carrying the axle G, with wheels H H, and the adjustable gage-bars I I, substantially as and for the purpose set forth.

2. The combination of the arms E carrying the axle and wheels, the connecting-rods a, levers J, rocking shaft b, and levers K, all substantially as described.

3. The combination of the rock-shafts b, forked levers J, rods m, studs i, and slide L, all as and for the purpose set forth.

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

WILLIAM H. DYKE.

Witnesses:

A. V. PATTON,
S. C. MURRAY.