

(No Model.)

W. G. SELBY.

CORN PLANTER.

No. 291,093.

Patented Jan. 1, 1884.

Fig. 1.

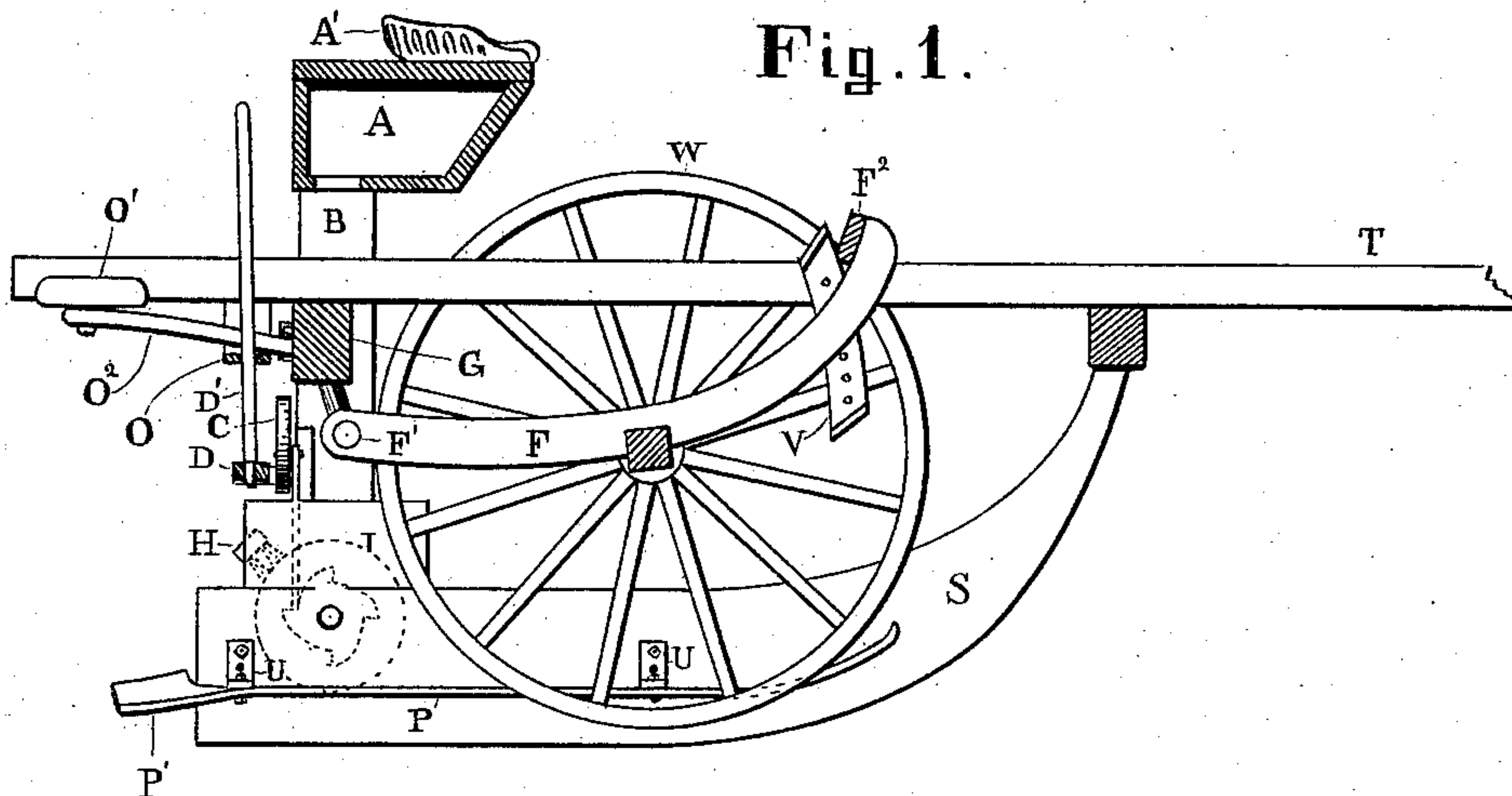


Fig. 2.

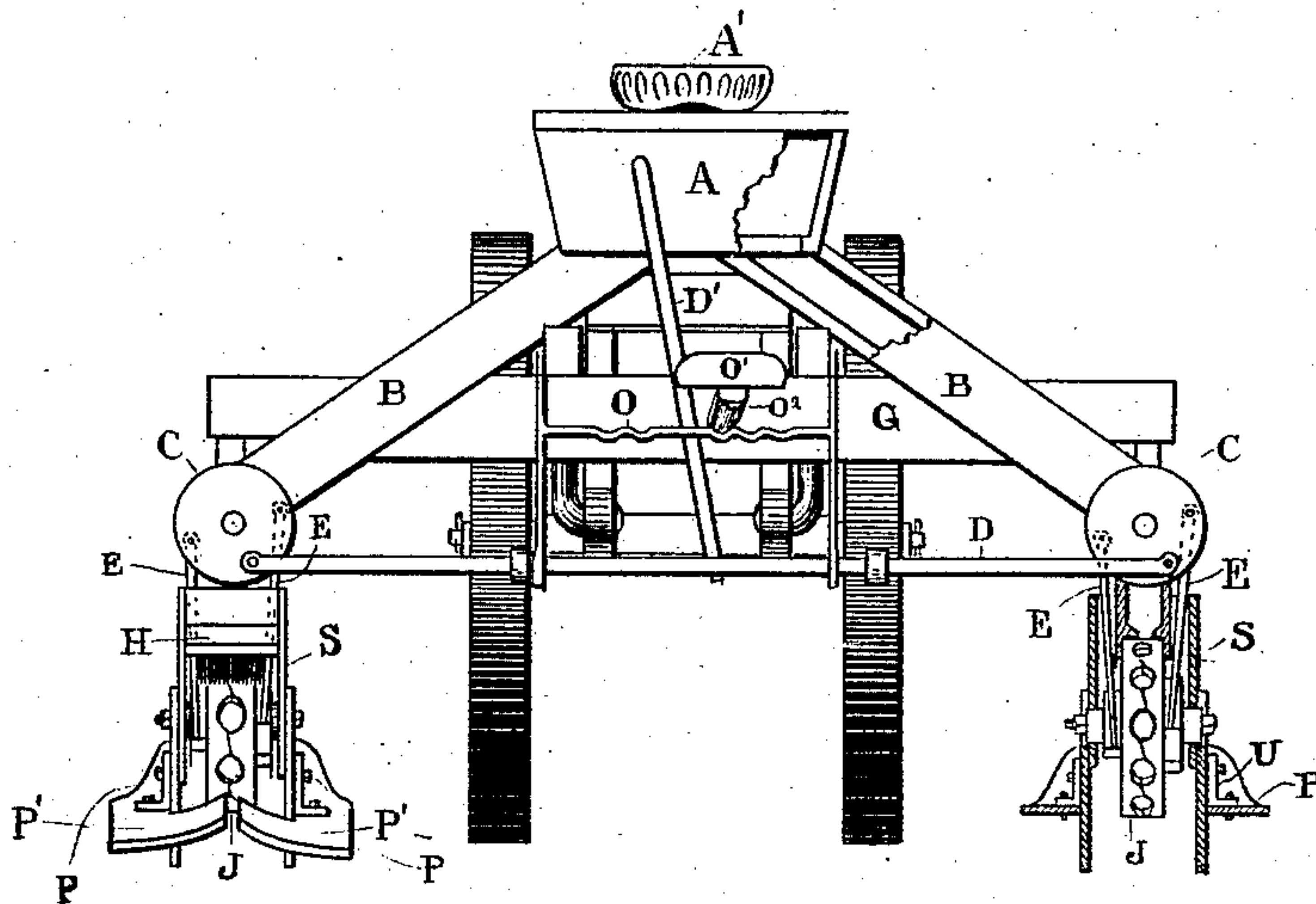
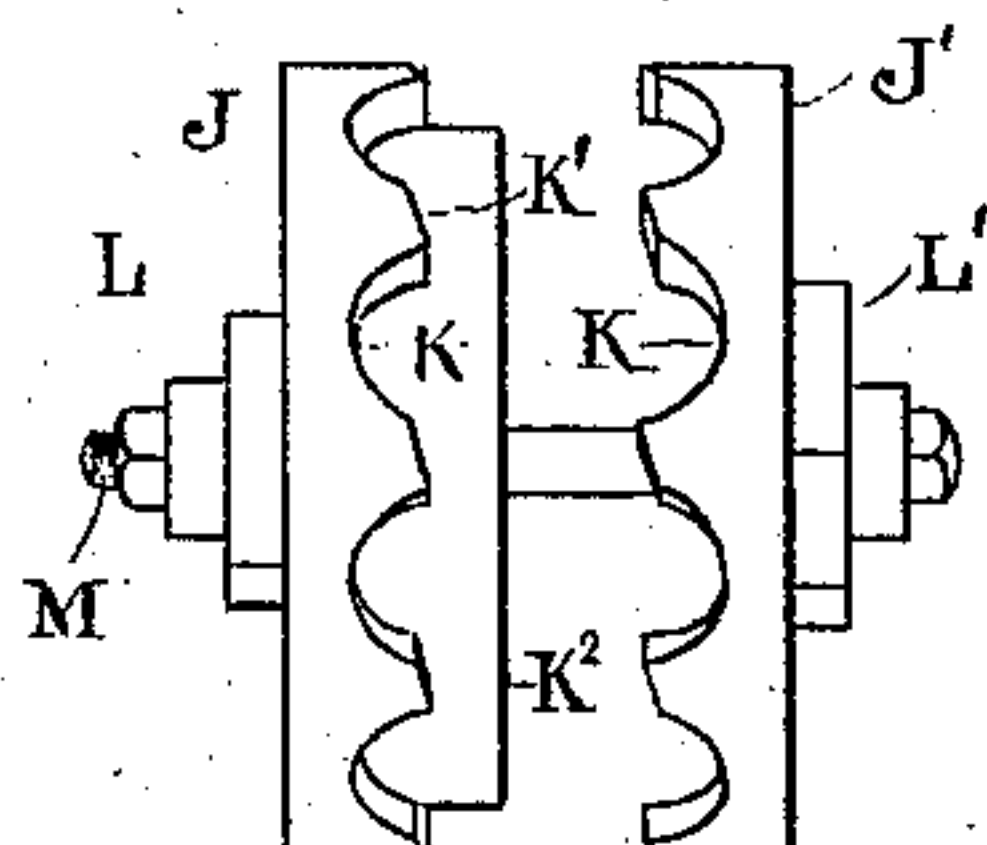


Fig. 3.



Witnesses,

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Attorney in fact.

UNITED STATES PATENT OFFICE.

WILLIAM G. SELBY, OF PRINCEVILLE, ILLINOIS.

CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 291,093, dated January 1, 1884.

Application filed February 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM G. SELBY, of Princeville, in the county of Peoria, in the State of Illinois, have invented an Improved Corn-Planter; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a sectional side elevation through *x x*; Fig. 2, rear elevation; Fig. 3, details.

In the drawings, A is the seed-box, which I place in the center, laterally, of the planter; and B B are the seed-spouts running from this seed-box to the two shoes S S. Upon said box A, I put the driver's seat A'. The two beams T T form a part of the frame-work of the planter, come together, and are extended in front to form the tongue of the machine.

To the pivoted frame F F' are secured two supporting-wheels, W W, so that by resting all or a part of his weight upon the forward end, F², the driver can raise the whole of the machine from the ground and support it upon the said wheels W W. The rear end of said frame F F' is pivoted or hinged at F' to the cross-beam G. A stop-plate, V, prevents the frame F F² from going up or down too far.

The shoes S S are similar to those ordinarily in use, with the exception that I have constructed an adjustable gage-plate and packer, P P', to be fastened to each side of them. These said gage-plates are for the purpose of regulating the depth that it is desired to have the shoes S S sink into the ground, and are adjusted by means of the angle-irons U U, having two or more bolt-holes by which to fasten them to the sides of the shoes S S. The rear ends of said plates P P are bent, as shown, to form the packers P' P', and are for the purpose of covering and packing the earth upon the seed dropped in the heel of the shoe.

This machine I have shown adapted as a hand-planter, and the construction of the dropping mechanism is as follows: Between the two sides of each shoe S is suspended upon a horizontal axis a thick disk, J, having in its periphery eight (more or less) recesses. At each side of the disk J are ratchet-teeth J'—four at one side and four at the other—arranged al-

ternately with respect the one set to the other. The disk C, suspended above the said disk J, has two pawls pivoted to it—one pawl to each set of ratchet-teeth. These two disks C C are rocked by the rod D, to which motion is given through the lever D'. The seed-dropping disk J is made in two sections, J and J', J' being made cup-shaped to fit over the projecting ring K² of the other. The projecting part between the recesses K are made slanting, so that by rotating them slightly with respect to each other, the said recesses K are enlarged to suit different sizes of corn, and to regulate the number of kernels of corn to be dropped in each hill. A bolt, M, serves to bind these two parts J and J' together, and to retain them as adjusted. A brush, H, serves as the cut-off for the disk J, to prevent more corn from being dropped than that contained in the recesses.

The rod O², which supports the dropper-boy's seat O', is hinged at its end to the cross-beam G and supported in corrugations of the bar O, which allows the dropper-boy's seat O to be at either side of the lever D', and permit him to use either hand.

In using this machine the driver can, when going over soft ground, prevent the shoes from sinking too deep into the earth. By resting his weight upon the end F² of the pivoted frame F F², and when about to turn his team around, he lifts the shoes entirely from the ground by putting enough of his weight upon the said end of the frame F F². The dropper-boy, by giving a lateral push to the lever D', transmits through the rod D, rocker-disks C, and pawls E E E E an intermittent rotary motion to the disks J J, the recesses of which regularly empty themselves as they come out from under the brushes H H. The packers P' P' press over onto the seed the required amount of soil.

What I claim as my invention is as follows:

1. A frame, F F², hinged or pivoted at one end to the frame-work of a corn-planter, in combination with supporting-wheels having bearings in said frame midway between its pivoted end F' and free end F², whereby, when the driver rests his weight upon said free end F², the said corn-planter is raised wholly or partially from the ground, substantially as and for the purpose specified.

2. The seed-box A, spouts B B, shoes S S,

having gage-plates and packers P P', recessed
disks J J', brushes H H, disks C C, pawls E,
bar D, and lever D', in combination with suit-
able frame-work, the pivoted frame F F', stop-
5 plate V, and the wheels W W, substantially
as and for the purpose set forth.

In testimony that I claim the foregoing in-

vention I have hereunto set my hand this 15th
day of January, 1883.

WILLIAM G. SELBY.

Witnesses:

J. H. HOPKINS,

JOSEPH PARENTS.