

S. J. MILLER & L. WRIGHT.
Corn-Planters.

No. 154,507.

Patented Aug. 25, 1874.

Fig. 1.

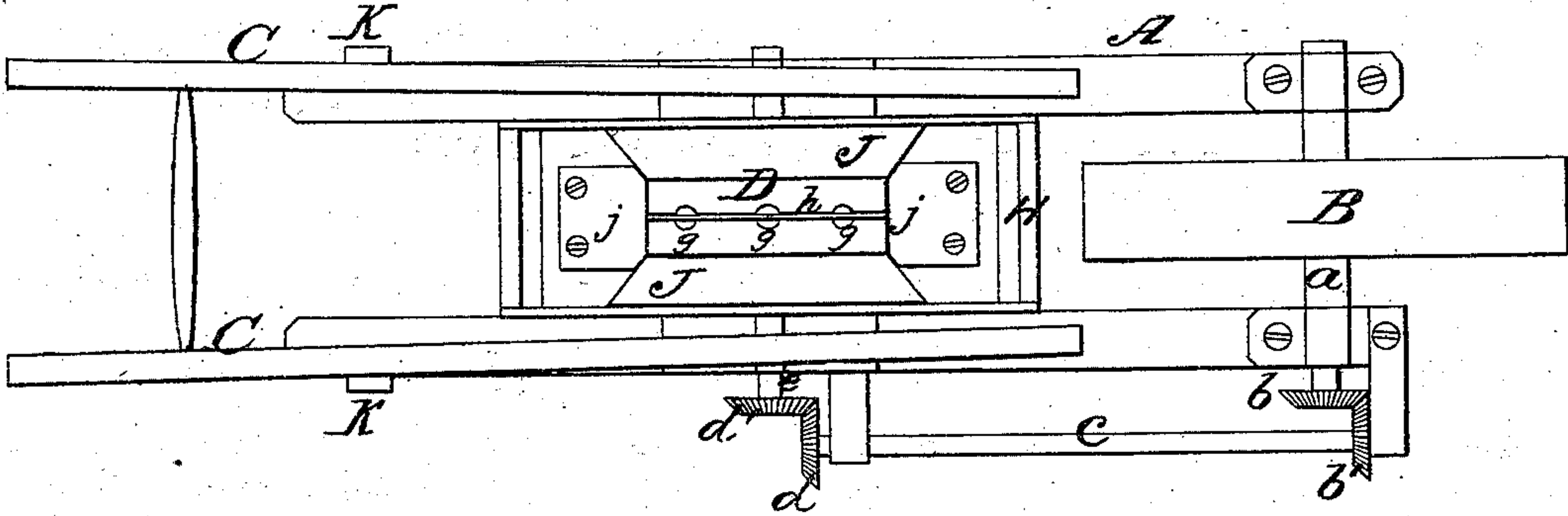


Fig. 2.

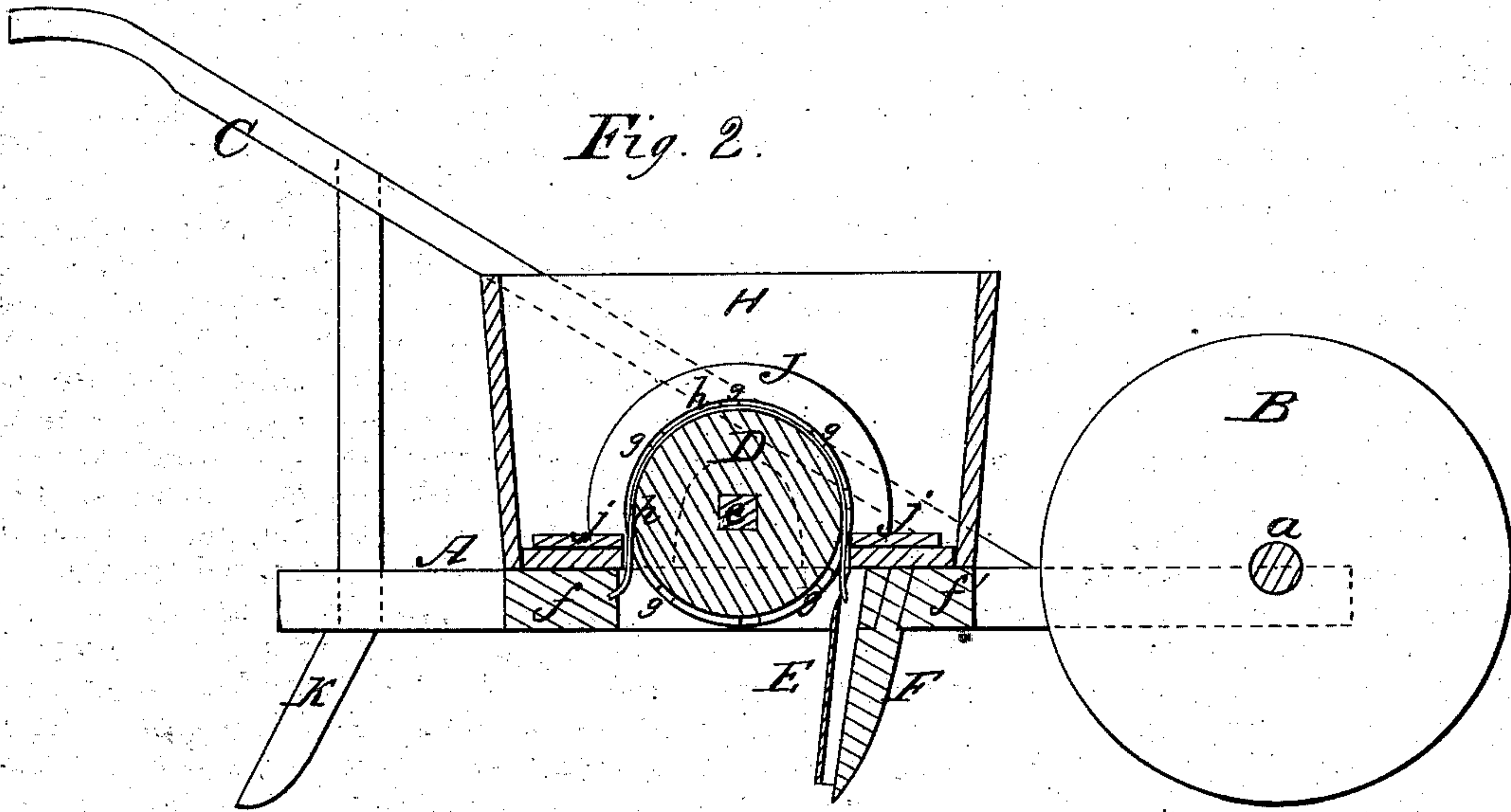
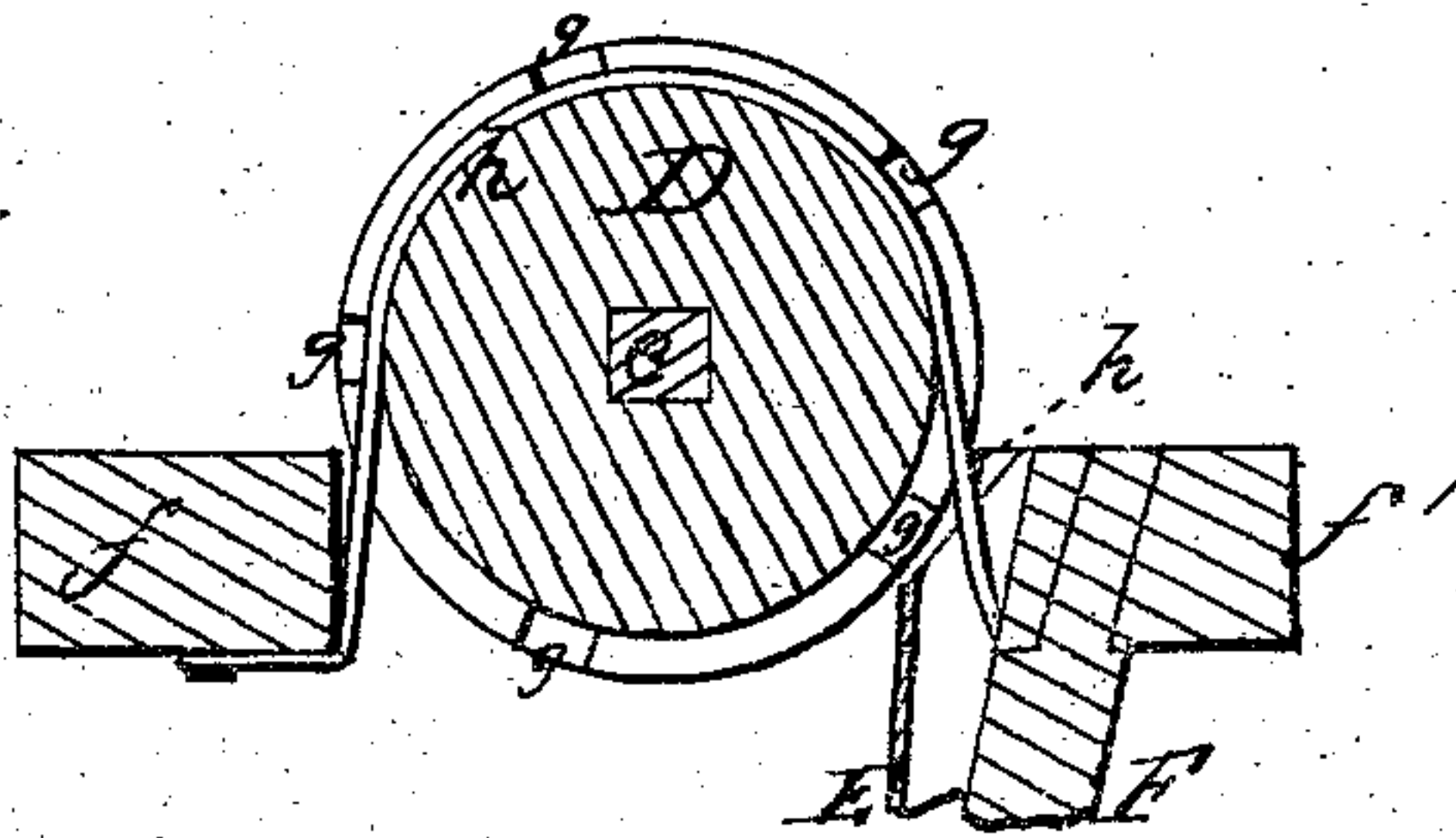


Fig. 3.



WITNESSES

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By

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UNITED STATES PATENT OFFICE.

SAMUEL J. MILLER AND LUNA WRIGHT, OF ECONOMY, INDIANA.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. 154,507, dated August 25, 1874; application filed March 21, 1874.

To all whom it may concern:

Be it known that we, SAMUEL J. MILLER and LUNA WRIGHT, of Economy, in the county of Wayne and State of Indiana, have invented a new and valuable Improvement in Corn-Drills; and we 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 plan view of our corn-drill, and Fig. 2 is a sectional view of the same. Fig. 3 is a detail view.

This invention has relation to machines for planting corn; and it consists in a revolving dropper, which is removably secured on a shaft which is driven from the transporting-wheel of the machine, and which is applied between two beveled arches, which constitute the stationary parts of a hopper-bottom; also, in a stationary wire discharger, in combination with a revolving dropper, whereby the kernels of corn are discharged from the cells in said dropper over the upper end of a tubular guide, as will be hereinafter explained.

In the annexed drawings, A designates the frame of the machine; B, the transporting-wheel, and C C the handles or stilts. The axle *a* of the wheel B carries a beveled spur-wheel, *b*, on one end, which engages with a similar wheel, *b'*, on a longitudinal shaft, *c*. This shaft *c* has its end bearings in brackets which are secured to one side of the frame A, and it communicates rotary motion to the dropper D through the medium of the two spur-wheels *d d'*. The wheel *d'* is keyed on a horizontal shaft, *e*, on the square portion of which the dropper D is applied. Shaft *e* has its bearings in boxes which are secured upon the frame A, and is located between two cross-pieces, *f f'*. The dropper D is of circular form, having in

its periphery a number of seed-cells, *g*, arranged at proper distances apart. There is also a groove in the periphery of the dropper, which intersects the axes of all the cells *g*, and above the plane of frame A this groove receives a wire, *h*. One end of the wire *h* is secured to the cross-bar *f*, and the other is secured to the upper end of a seed-tube, E, which is secured to the back of a tooth, F. At the point for discharging the seed into the tube E the wire *h* is set off from the periphery of the dropper, so as to insure the discharge of the grains from the cells as they successively move around. At all other points the wire *h* lies on the bottoms of the cells. The dropper can be removed from its shaft *e*, and it is applied between two arches, J J, which are constructed with inwardly-beveled surfaces, which will direct the corn in the hopper H upon the dropper. The seed is prevented from crowding out of the hopper by means of two rubber wipers, *j j*, which are secured upon the cross-bars *f f'*, so that their free edges press against the periphery of the dropper. These wipers keep back the grains, and at the same time prevent them from being broken. *k k* designate covering-blades.

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

1. The grooved revolving seed-dropper D, having a wire discharger *h*, applied to it, substantially as described.

2. The revolving dropper D, removably applied on its shaft *e*, in combination with the two beveled arches J J and the hopper H, substantially as described.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

SAMUEL J. MILLER.
LUNA WRIGHT.

Witnesses:

PHILIP PEPLOGLE,
ELI B. BARNARD.