

S. K. WATERSON.
CORN-PLANTER

No. 176,821.

Patented May 2, 1876.

Fig. 1.

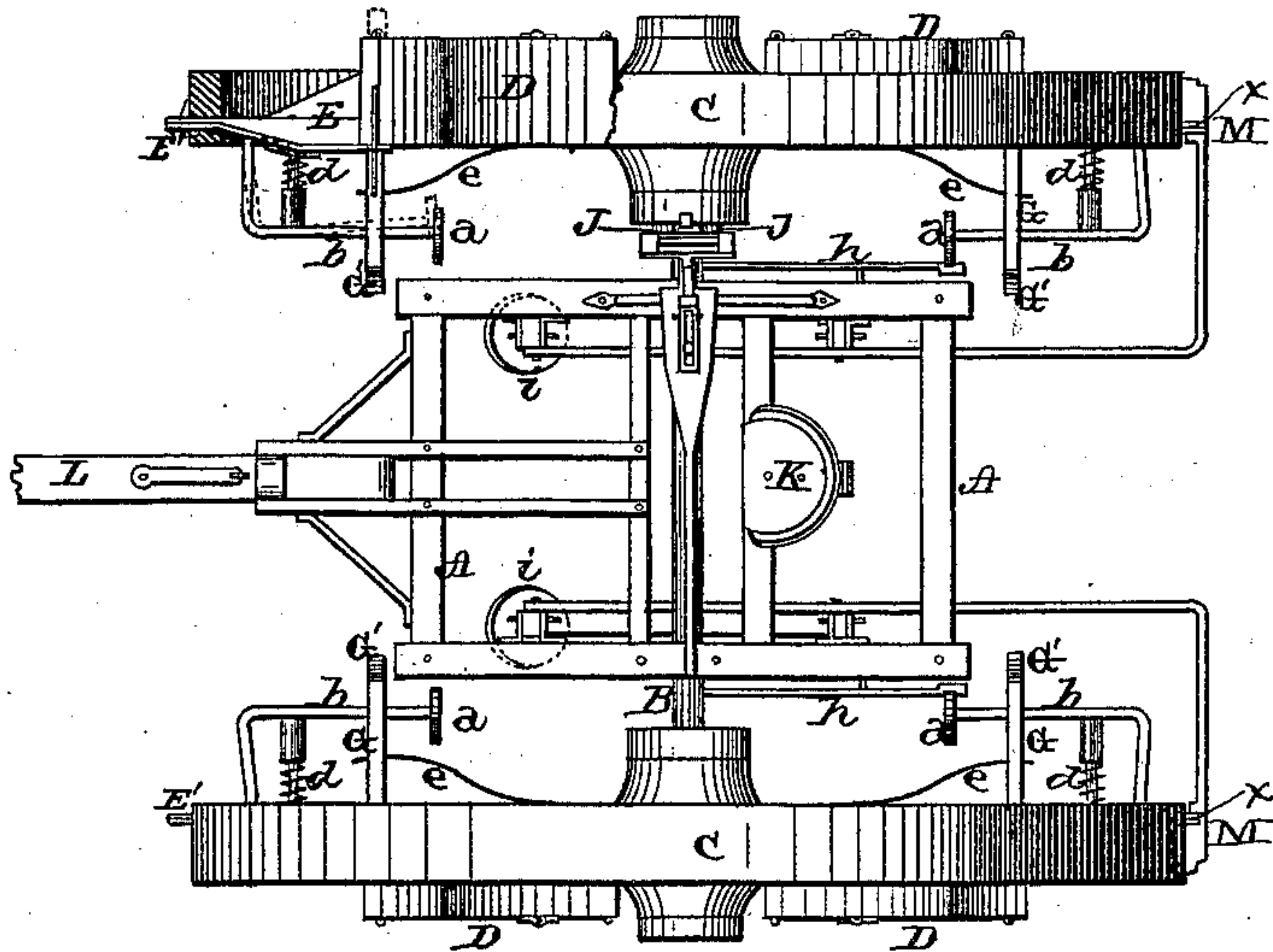
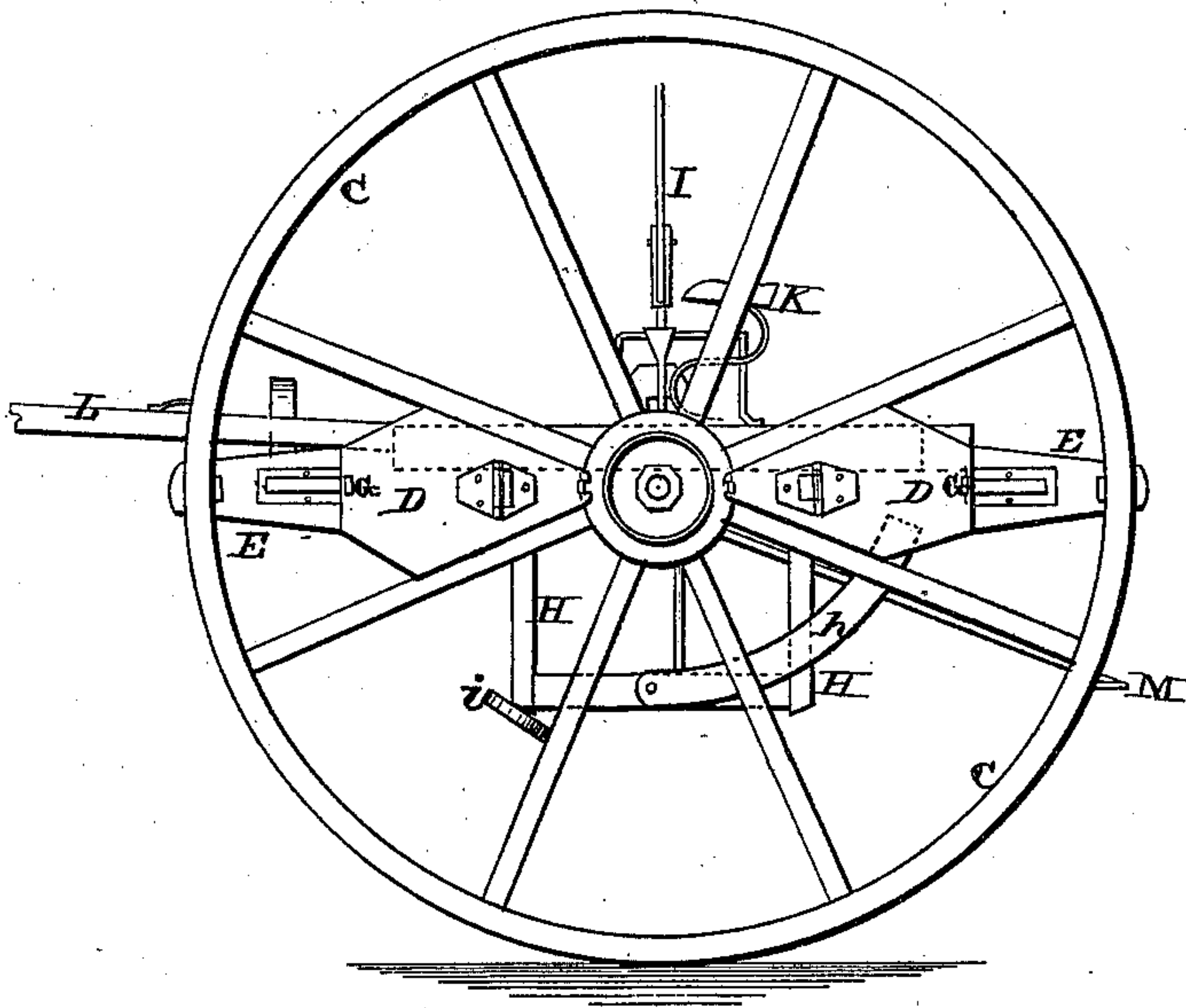


Fig. 2.



WITNESSES.

R. M. Garner,
F. M. Burnham.

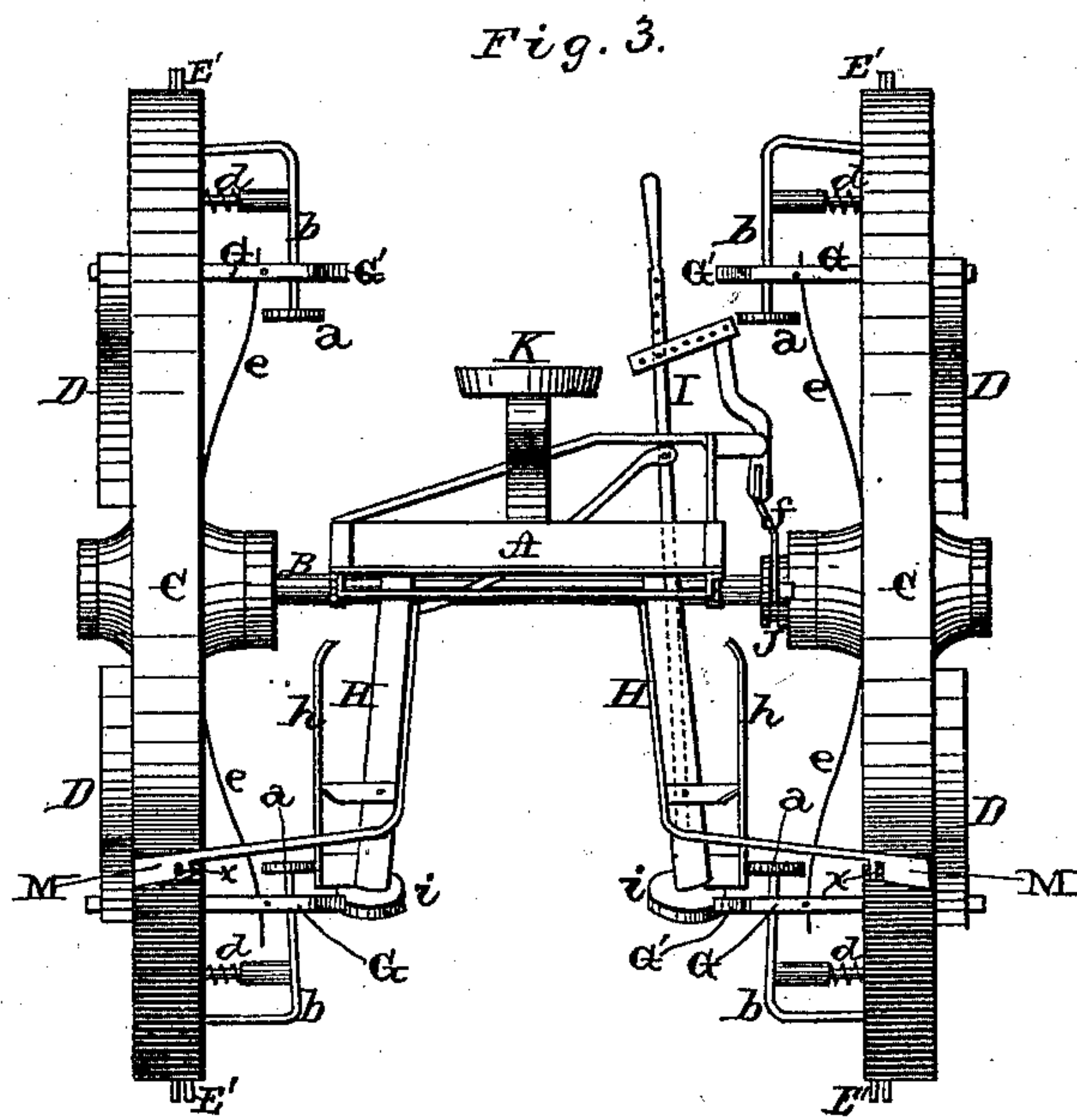
INVENTOR.

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per
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UNITED STATES PATENT OFFICE

SAMUEL K. WATERSON, OF EEL RIVER TOWNSHIP, ALLEN COUNTY, IND.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **176,821**, dated May 2, 1876; application filed March 21, 1876.

To all whom it may concern:

Be it known that I, SAMUEL K. WATERSON, of Eel River township, in the county of Allen and State of Indiana, have invented certain new and useful Improvements in Corn-Planters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

The accompanying drawing fully illustrates my invention, which consists in the construction and arrangement of a wheel corn-planter, as will be hereinafter more fully set forth.

A represents a rectangular frame of suitable dimensions, having journal-boxes on its under side, in which is placed the axle B, having upon its ends the driving-wheels C C, one of which is fast on the axle, while the other is loose thereon. To the spokes of each wheel are fastened two or more corn-boxes, D, of suitable form. Each box D is at its outer end provided with an elongated mouth, E, having a hinged door, E', for closing the same. To this door is attached an L-shaped arm, b, provided on its inner end with a roller or small wheel, a. This arm is actuated by a spring, d, to hold the door E' closed. The box D is, further, at its outer end, provided with a dropping-slide, G, actuated by a spring, e, and provided on its inner end with a shoe, G'. This dropping-slide is provided in the usual manner with an opening to receive, and may have in said opening an adjustable or movable slide to regulate, the amount of corn to be dropped in each hill. The mouth E of the box projects a short distance beyond the rim of the wheel, and forms also a marker. The box D is also provided with a suitable door through which the corn is admitted. To each side of the main frame A is hung a frame, H, which extends downward, and both of said frames are connected and operated by a lever, I, so as to be simultaneously thrown outward or inward as required. This lever is, by rods f f, connected with a clutch, J, to be thrown in and out of

gear with the hub of the loose driving-wheel, at the same time as the frames H are thrown outward and inward. On the lower front corner of each frame H is mounted a friction wheel or roller, i, set angling, as shown, and on the outer side of each frame is affixed a curved track, h. K is the driver's seat. L is the tongue, connected to the main frame A in such a manner as to be made either rigid or flexible, as required.

The operation is as follows: By means of the lever I the frames H are thrown outward, and the clutch J thrown in gear with the loose driving-wheel, making both wheels rigid on the axle. As the machine then moves forward the shoe G' on the slide G comes in contact with the roller i, and the slide is moved sufficiently to drop the desired quantity of corn into the mouth E, and the spring e returns the slide to its former position. The roller a on the arm b then rides up on the track h, causing the door E' to open, and the corn previously deposited therein drops into the ground. The spring d closes the door E' as soon as the roller a clears the track h.

In rear of each wheel is a cleaner, M, constructed with a slot, f, as shown, for the passage of the mouths E, said cleaners thus keeping said mouths, as well as the tires of the wheels, free from dirt.

Any number of boxes may be used on each wheel, according to the distance required between the hills, and the planter will drop the corn with regularity and precision.

When the frames H are thrown inward the dropping mechanisms are not operated.

The machine may also be used as a double planter, if desired.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The hinged frames H, provided with the angling-rollers i and tracks h, and operated by a lever, I, for the purposes herein set forth.

2. In combination with the frame H, constructed so that it can be expanded and contracted at the will of the driver, the slide G,

spring *e*, and roller *i*, whereby the boxes D are thrown in and out of operation, as shown.

3. In combination with the hinged frames H and lever I, the hinged doors E, having the bent arms *b*, rollers *a*, and springs *d*, and tracks *h*, whereby the seeds are deposited in the ground, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of March, 1876.

SAMUEL K. WATERSON.

Witnesses:

GEO. B. CHASE,

WILLIAM T. MCKEE.