

J. Moore.
Corn-Planter.

N^o 74710

Patented Feb. 18, 1868.

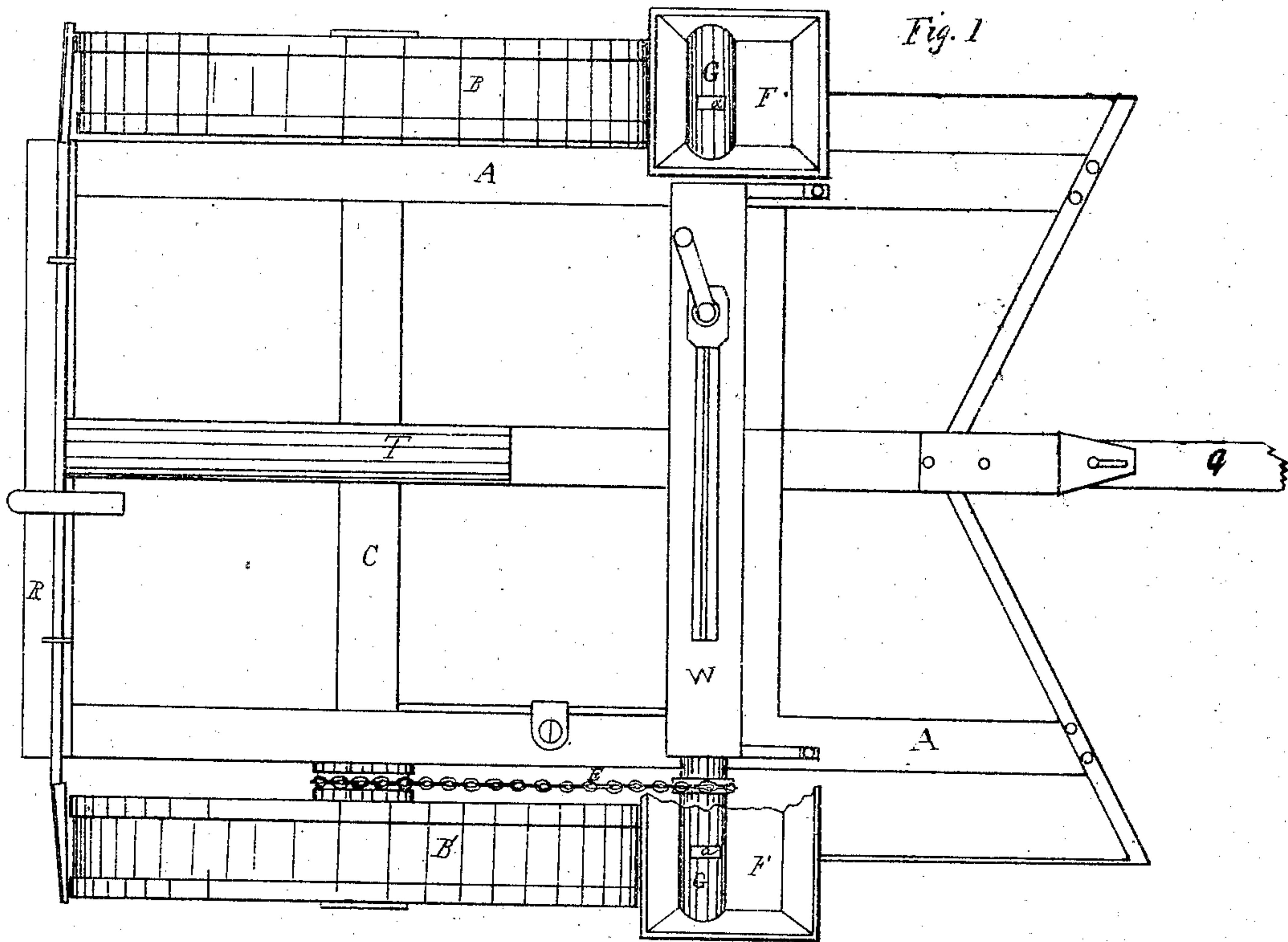


Fig. 1

Fig. 3.

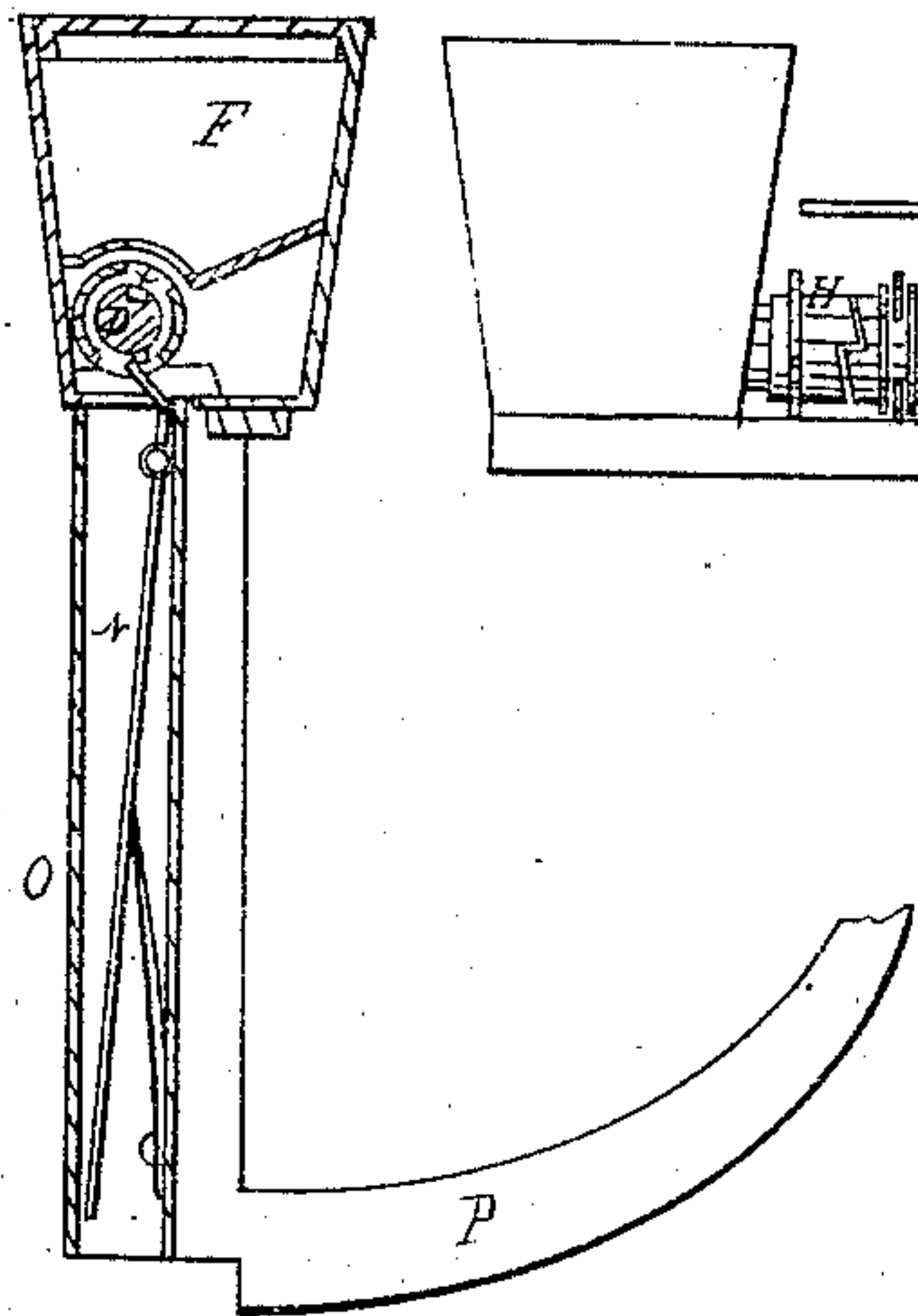
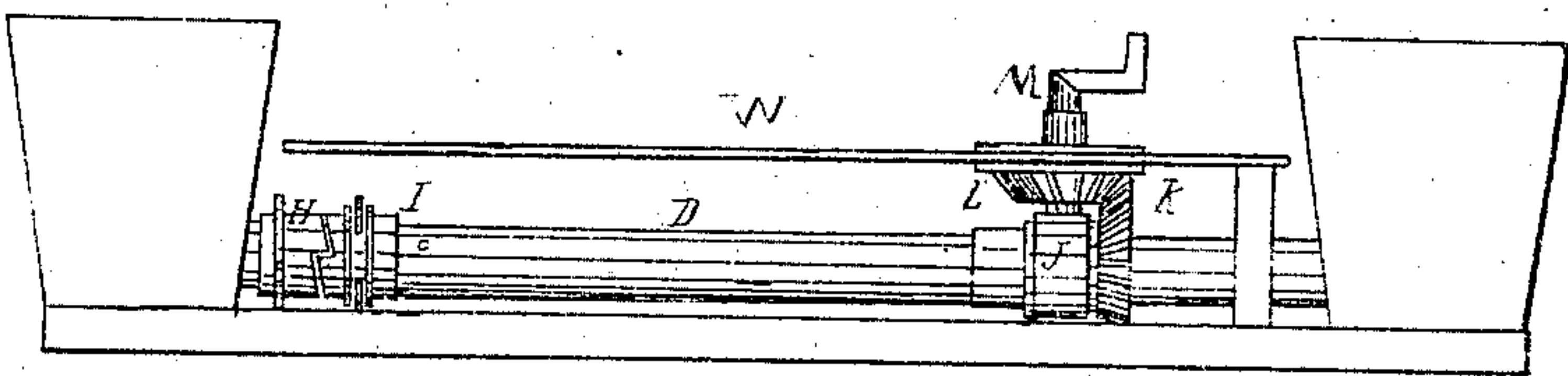


Fig. 2



Witnesses

A. A. Gentman.

James L.

Inventor

Josephus Moore

by
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Att.

United States Patent Office.

JOSEPHUS MOORE, OF BUSHNELL, ILLINOIS.

Letters Patent No. 74,710, dated February 18, 1868.

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, JOSEPHUS MOORE, of Bushnell, in the county of McDonough, and in the State of Illinois, have invented certain new and useful Improvements in Corn-Planters; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, making part of this specification, A A represents the frame of the machine, which may be constructed in any of the known and usual ways, and supported upon the axle C and wheels B B. Upon each side of the frame, and in front of the wheels, are placed two seed-hoppers, F F. D represents a shaft, which lies across the frame, and the ends of which pass into the seed-hoppers. Seed-openings are formed (as seen at *x*) in the shaft D near each end. G G represent metallic tubes or covers for those portions of shaft D which extend into the seed-hoppers, and these covers are provided with openings or slots, *a a*, immediately over the openings *x x* of the shaft, to allow the grain to pass into them. The shaft D revolves, and at each revolution carries a discharge of seed to be deposited in the discharge-spout O. Within the discharge-spout is a valve, N, which retains the seed near the bottom of the spout until it is desirable to have it discharged. This valve is operated by means of a pin or lug upon the shaft D, so that said valve is operated regularly at each revolution of the shaft. The shaft may be provided with more than one seed-opening in its periphery, and in this case more lugs will be needed to operate the valve, for it is necessary to operate the valve as often as seed is taken from the hopper. E represents a band or chain, which passes from the hub of one of the wheels to a pulley, H, upon the shaft D. The pulley H is loose, unless stationed to the shaft by means of the clutch I. This chain serves to give motion to the shaft E when it is desirable to drive it by the motion of the machine. The clutch I is operated by means of a suitable lever or rod for that purpose. The shaft D is sometimes operated by hand, as follows: I provide the shaft with a bevel-wheel, K, and gear into it a wheel, L, which is operated by the hand of the operator. W represents a plate, which is secured to the frame A, but which lies above the shaft D. This plate is slotted, as seen, and through this slot passes a short shaft, M, with a crank-handle on its upper end. The bevel-wheel L is secured upon the shaft near its lower end. This lower end of shaft M has its bearing in a collar, J, which surrounds shaft D. The wheel K, as also the collar J, may be moved to any desired position upon shaft D, to suit the convenience of the operator, and the shaft M may be moved to correspond by means of the slot in plate W. R represents a rod at the rear of the frame, with scrapers upon each end, to remove the dirt from the wheels. The tongue *q* is hinged to the frame. P represent runners, which connect at their forward ends to the frame, and at their rear ends to the discharge-spout O. These runners open the earth to receive the seed, and can be removed whenever it is desirable, for sharpening them.

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

1. The arrangement of the shaft D with the seed-hoppers F F, covers G G, valve N, discharge-spout O, and runners P, constructed and operating in the manner and for the purpose set forth.

2. The arrangement of the plate W, shaft M, wheel L, collar J, and bevel-wheel K with the shaft D, as and for the purpose set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this day of , 1867.

JOSEPHUS MOORE.

Witnesses:

WM. H. OGLESBY,

J. B. TALBOT.