

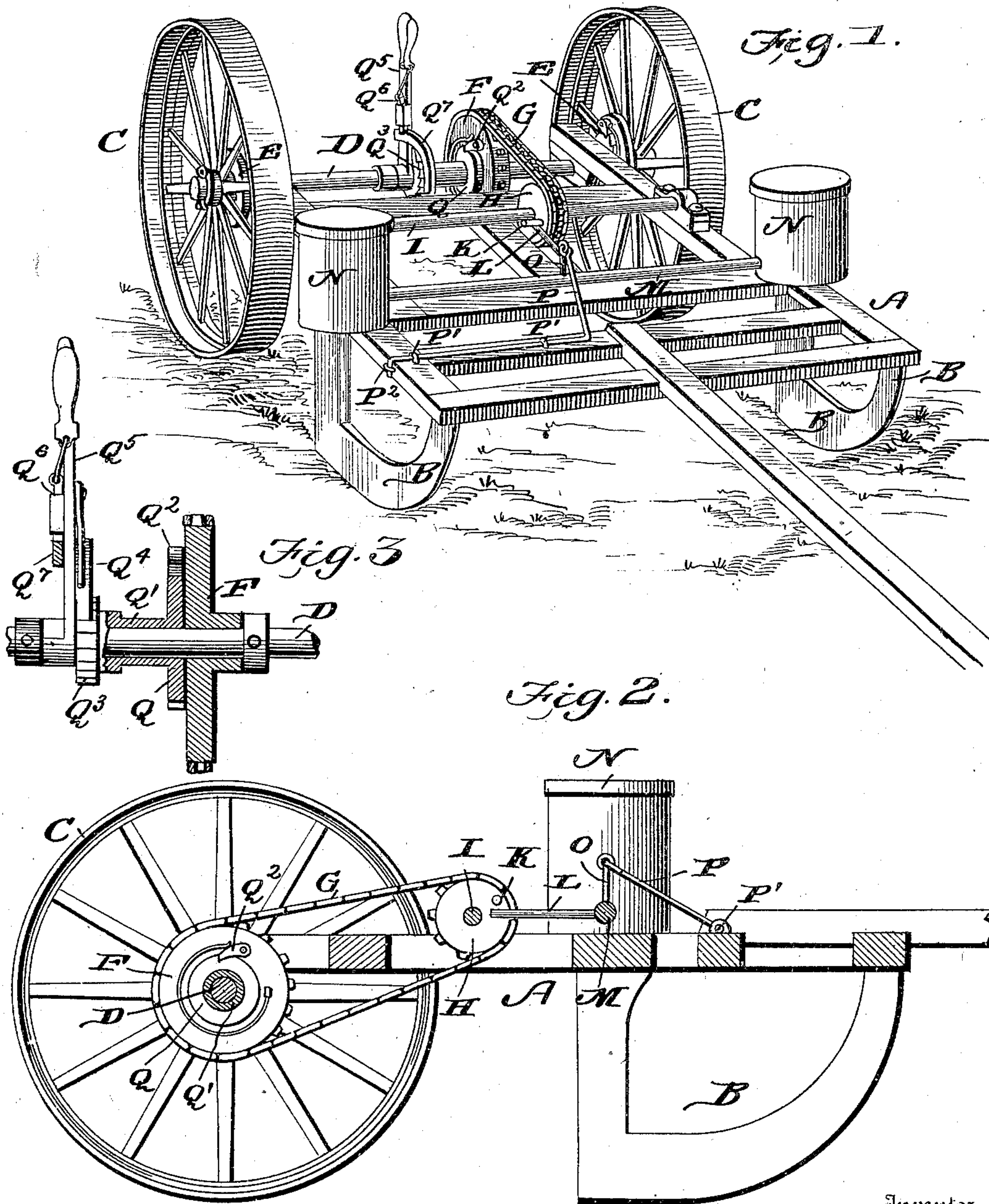
No. 725,075.

PATENTED APR. 14, 1903.

P. GROSBETTY.
CORN PLANTER.

APPLICATION FILED MAY 29, 1902.

NO MODEL



Inventor

Peter Grosbetty.

By

Charles A. Brock

Attorneys

Witnesses
M. S. Cloude
Clarence Shaw

UNITED STATES PATENT OFFICE.

PETER GROSBETTY, OF MONROEVILLE, INDIANA, ASSIGNOR OF ONE-HALF
TO EDWIN WEBER, OF MONROEVILLE, INDIANA.

CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 725,075, dated April 14, 1903.

Application filed May 29, 1902. Serial No. 109,547. (No model.)

To all whom it may concern:

Be it known that I, PETER GROSBETTY, a citizen of the United States, residing at Monroeville, in the county of Allen and State of Indiana, have invented a new and useful Corn-Planter, of which the following is a specification.

This invention relates generally to corn-planters, and more particularly to an improved mechanism for operating the dropper.

The object of the invention is to provide an improved mechanism which shall be quick and accurate in its operations; and with this object in view the invention consists in the novel features of construction and combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view illustrating my invention applied to a corn-planter. Fig. 2 is a sectional view, partly in elevation; and Fig. 3 is a detail view, partly in section, illustrating the pawl-and-ratchet mechanism for setting the dropping mechanism.

In carrying out my invention I employ a main frame A, supported at its forward end upon the runners B and at the rear by the ground-wheels C, said ground-wheels being mounted upon the end of the axle D and provided with ratchet-hubs E, so that the machine can be backed without operating the dropping mechanism. It will be understood that the pawl-and-ratchet mechanism in the wheel-hubs is so arranged as to rotate the shaft or axle D when the machine is moved forwardly.

A sprocket-wheel F is mounted upon the axle D and moves therewith, said sprocket-wheel driving the chain G, which passes over a sprocket-wheel H, mounted upon the shaft I, journaled upon the main frame, and the sprocket-wheel H carries a laterally-projecting pin K, which is adapted to engage an arm L, extending rearwardly from the shaft M, which enters seed boxes or hoppers N and carries the droppers at its ends. A short arm O projects upwardly from the center of the shaft M, and connected thereto is a spring-rod P, said spring-rod being right-angled in shape, the horizontal portion being secured

upon the main frame by means of staples P', and the extreme end is turned down and secured by means of a staple P². The purpose of this spring-rod is to normally hold the arm L in a horizontal position ready to receive the pin K, so that at each rotation of the sprocket-wheel H the pin will operate the dropper-shaft M. A ratchet-disk Q, integral with a sleeve Q', is arranged adjacent to the sprocket-wheel F, said sprocket carrying a spring-actuated pawl Q², which is adapted to engage the ratchet-disk Q. The opposite end of the sleeve Q' has a ratchet-wheel Q³ formed thereon, which is adapted to be engaged by the pawl Q⁴, carried by the lever Q⁵, loosely mounted upon the axle and normally held in place by the thumb-latch Q⁶ engaging the bar Q⁷. The purpose of this lever and pawl-and-ratchet mechanism is to enable the operator to set the machine so as to drop at any desired point in starting.

It will thus be seen that I provide an exceedingly cheap, simple, and efficient construction of operating mechanism which can be used in connection with any form of dropping mechanism employing an oscillating shaft which enters the seed boxes or hoppers.

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

1. The combination with the seed-hoppers, of a shaft extending therein, the arm extending rearwardly from said shaft, a sprocket-wheel carrying a pin adapted to engage the said arm, an arm extending upwardly from the shaft, and a spring-rod connected to said arm and adapted to restore the rod to its normal position, and means for operating the sprocket-wheel carrying the pin, for the purpose specified.

2. The combination with the main frame, of the seed-hoppers, the shaft journaled therein, the rearwardly and the upwardly extending arms carried by said shaft, a spring-rod right-angled in shape, one member of which is rigidly secured to the main frame, the other member being pivotally connected to the upwardly-extending arm, a sprocket-wheel carrying a laterally-projecting pin, and means for rotating the said sprocket-wheel, substantially as and for the purpose described.

3. The combination with a suitable wheeled frame, an axle revoluble in one direction only, a sprocket-wheel on said axle, a second sprocket-wheel mounted in advance of the first-mentioned wheel, a sprocket-chain, connecting said wheels, a pin projecting from the second sprocket-wheel, hoppers mounted on the side of the frame, a rock-shaft extending between said hoppers, an arm extending rearwardly from said rock-shaft and adapted to be engaged by the pin on the sprocket-wheel, and a spring adapted to return said rock-shaft to its normal position after each engagement between the pin and the arm.

PETER GROSBETTY.

Witnesses:

JOHN PURMAN,
WM. R. ALLEGER.