G. B. LYNCH.

CORN-PLANTER.

No. 193,527. Patented July 24, 1877.

Fig. 1.

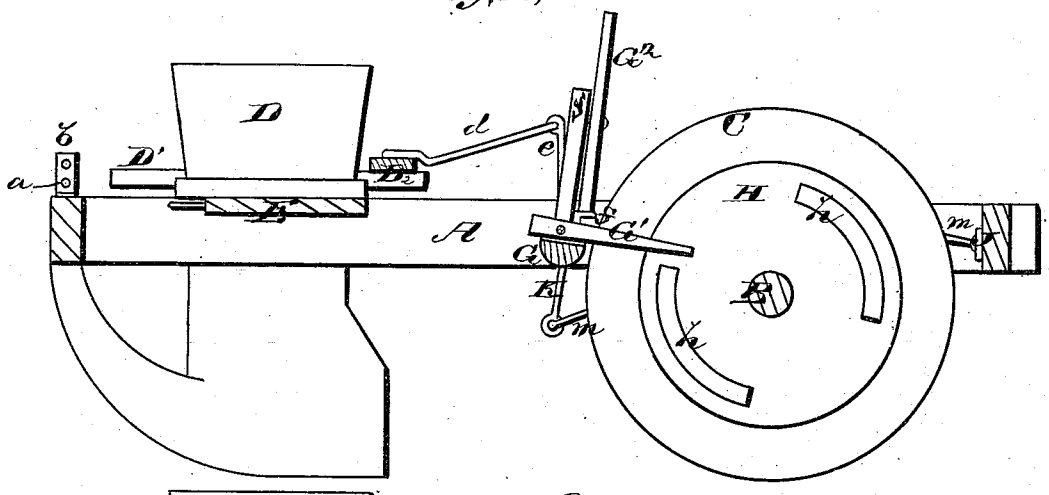
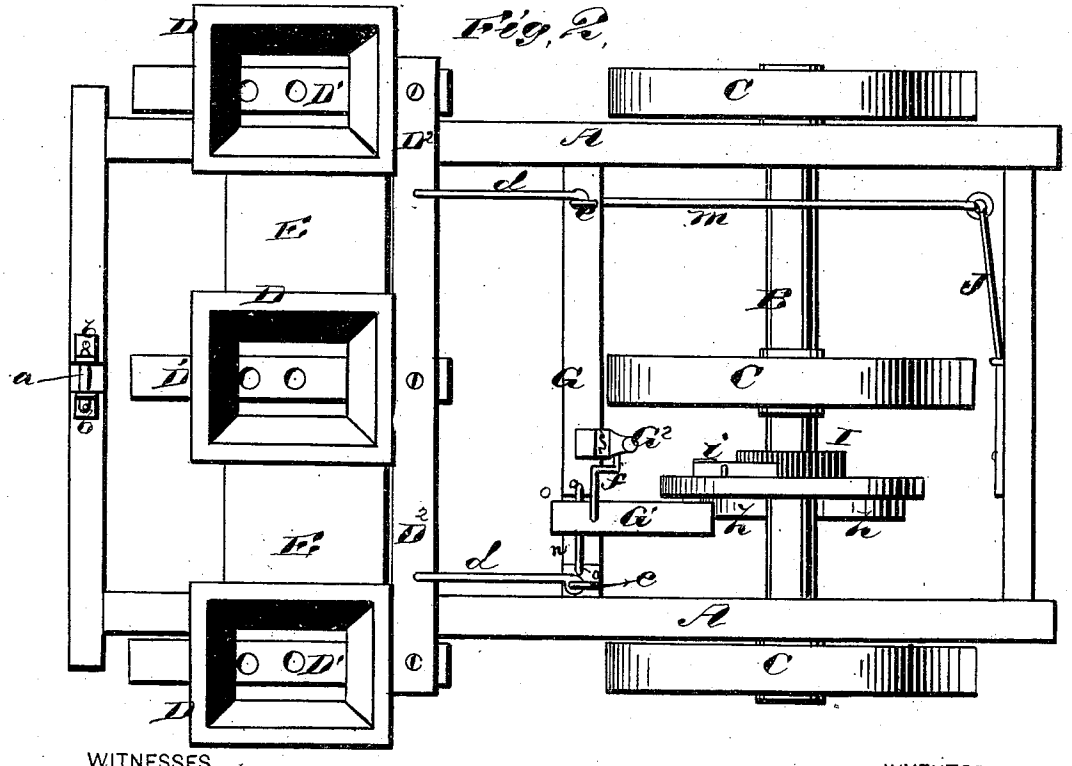


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE B. LYNCH, OF DARLINGTON, IND., ASSIGNOR OF ONE-HALF HIS RIGHT TO HENRY C. HULET AND WALTER F. HULET, OF SAME PLACE.

IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. **193,527**, dated July 24, 1877; application filed April 28, 1877.

To all whom it may concern:

Be it known that I, GEORGE B. LYNCH, of Darlington, in the county of Montgomery and State of Indiana, have invented a new and valuable Improvement in Corn-Planters; and I 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 longitudinal vertical sectional view of my corn-planter, and Fig. 2 is a plan view of the same.

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

A represents the frame of the planter, mounted, near its rear end, on an axle, B, to which the three wheels C are securely fastened, at equal distances apart, and on straight lines behind the three hoppers D, said hoppers being fastened on a platform, E, near the front end of the frame A.

The tongue of the planter is to be attached to the front of this platform under the center hopper, and passes between two upright perforated plates, *b b*, fastened on the front cross-bar of the frame A, between which plates the tongue may be adjusted up and down by means of a pin, *a*, passing through said perforated plates.

Each hopper D is provided with a dropping-slide, D^1, and the three slides are connected at their rear ends by a cross-bar, D^2. This cross-bar is, by two rods, *d d*, connected with arms *e e*, projecting upward from a rocking bar or roller, G, mounted in the side pieces of the frame a suitable distance in front of the axle B.

On this rocking bar G is an arm, G^1, laterally moving in the recess *n* of the rocking bar G, and provided with a perforation, through which the staple *o* passes, which extends longitudinally over the recess, and on which the arm G^1 slides, the latter being connected by a rod, *f*, with a lever, G^2, pivoted to the standard S, attached to the rocking bar G, by means of which lever G^2 the arm G^1 can be moved laterally in and out of gear with cams *h h*, secured to the side of a disk or wheel, H, placed loosely on the axle B, and connected thereto by a pawl, *i*, and ratchet-wheel I, as shown.

When the machine moves forward, this disk or wheel H revolves with the axle, and as each cam *h* strikes the arm G^1, it turns the rocking bar G, so as to move the dropping-slides D^1 rearward; and as soon as the cam passes from off said arm, the rocking bar and slides are returned to their former position by a spring, J, connected to an arm, K, projecting from said rocking bar by a rod, *m*.

The arm G^1 may be moved out of gear by the lever G^2, so as to set the dropping mechanism to drop in regular rows both ways. By this arrangement the arm G^2 may also be employed in moving the seed-slides by hand.

This invention may be applied to two-row planters as well as to three-row planters, and the dropping mechanism may be applied to many of the planters now in use.

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

1. The rock-bar G, provided with the recess *n*, staple *o*, and standard S, in combination with the sliding arm G^1, lever G^2, and disk H, provided with the cams *h*, substantially as described, and for the purpose set forth.

2. The recessed rock-bar G, having the standard S, staple *o*, and arm K, in combination with the sliding arm G^1, disk H, having cams *h*, spring J, connecting-bar D^2, and slides D^1, substantially as described, and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE BELL LYNCH.

Witnesses:
W. E. WHEELER,
I. H. BUTLER.