

M. SCHNAPP & W. J. HOLLIS.
Improvement in Corn Planters.

No. 125,847.

Patented April 16, 1872.

Fig. 1.

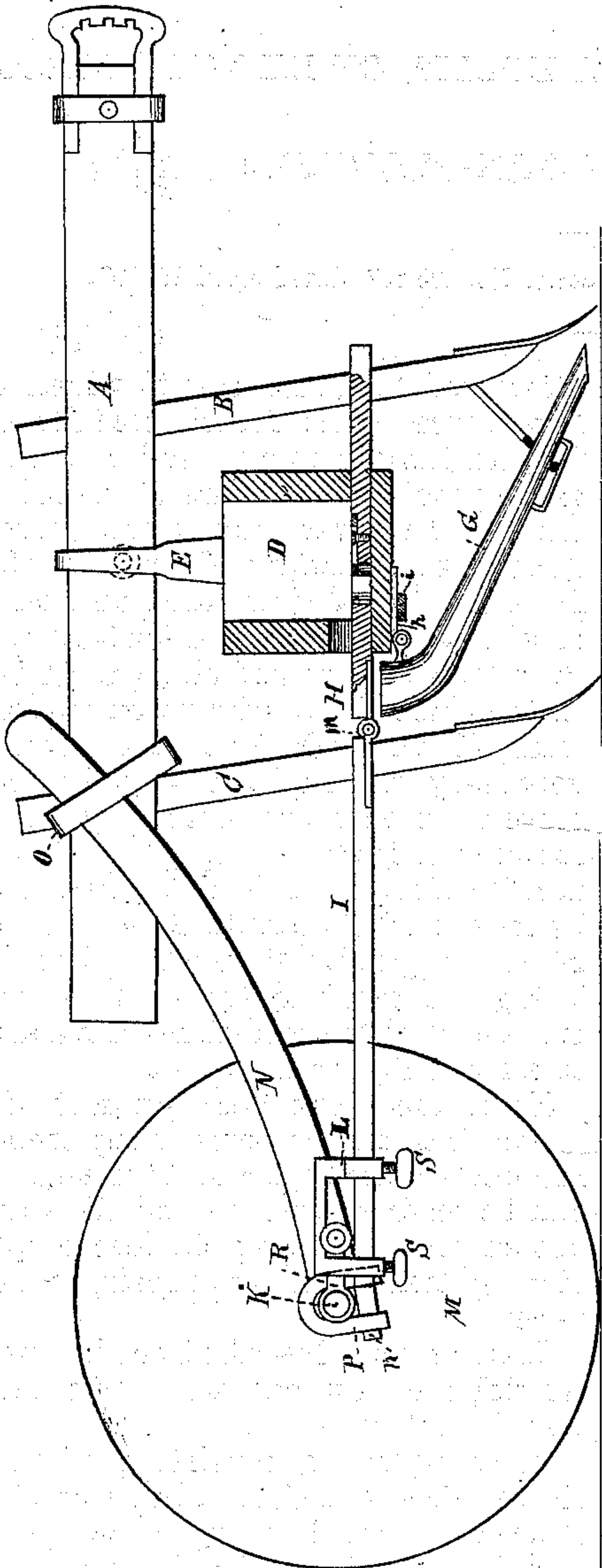
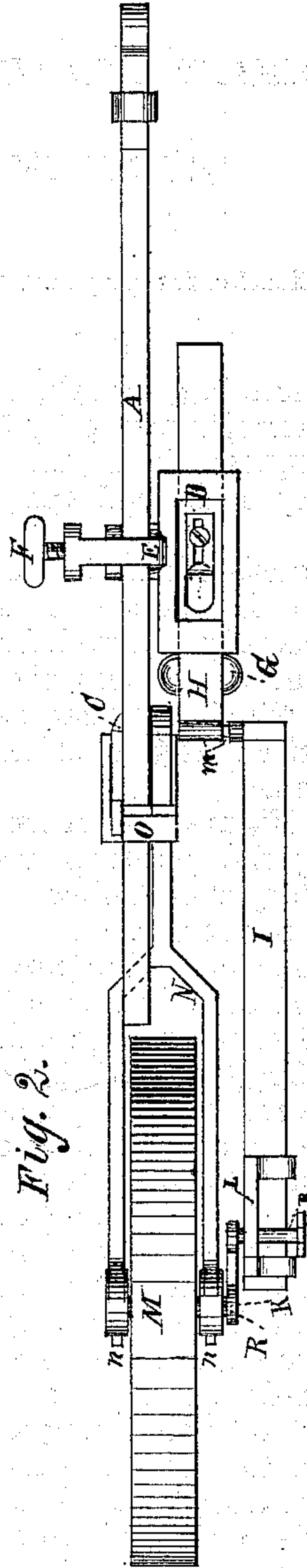


Fig. 2.



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IMPROVEMENT IN CORN-PLANTERS.

Specification forming part of Letters Patent No. 125,847, dated April 16, 1872.

Specification describing certain Improvements in Corn-Planters, invented by MORRISS SCHNAPP and WILLIAM J. HOLLIS, of De Witt, in the county of Carroll and State of Missouri.

This invention consists in an improved construction of devices for planting or dropping corn, which are specially adapted for attachment to the beam of an ordinary shovel-plow or cultivator, from which they can be readily detached when desired, as will be hereinafter more fully described.

In the drawing, Figure 1 represents a side elevation, showing the planting devices attached to an ordinary shovel-plow. Fig. 2 is a plan or top view of the same.

A represents the beam of the plow; B and C, two shovel-plows attached to said beam, and located one in advance of the other. D is the seed-box or hopper, which is secured to the lower end of a vertical bar, E, whose upper end is bent into an elbow-shaped form, so as to embrace the beam, to which it is attached by the thumb-screw F. G is a spout or tube for delivering the corn (discharged into its upper end by the slide H) into the furrow made by the shovel B. The spout C is hinged at its upper end to the plate *h*, which enters a keeper or socket, *i*, attached to the lower side of the seed-box for detachably attaching the spout to the latter. H is the seed-slide for conveying the corn into the delivery-tube, and is provided with a mortise and adjustable regulating-slide, the same as in ordinary planters. I is an arm or rod whose front end is connected with the rear end of the seed-slide by a jointed or hinged connection, *m*, and the rear end of said arm is connected with a crank on the end of the shaft K by means of a clamp, L, of a peculiar construction. K is a shaft which forms the journal for the wheel M, and one of whose ends is provided with a crank, R. N is a curved standard, whose lower portion is

bifurcated to form a slot in which the wheel M revolves. O is a detachable stirrup or clamp for attaching the upper end of said standard to the plow-beam. P are U-shaped prolongations at the lower ends of the bifurcated portions of the standard N, which prolongations fit on the shaft or journal K, and serve, in connection with the keys or wedges *n*, to secure the standard N to said shaft K. The crank R on the shaft K projects through a slot in the clamp L, and will, when the wheel M is revolved by frictional contact with the ground, serve to impart a reciprocating movement to the seed-slide H through the medium of the arm I. The clamp L is attached to the latter by means of set-screws S, so that it can be moved longitudinally for the purpose of regulating the throw of the crank to change the movement of the seed-slide from a slow motion to a fast one, or vice versa.

From the above description it will be perceived that all the parts of our seed-dropping mechanism are separate from each other, and can be readily attached and detached by the use of the fastening devices employed for storing, transportation, repair, and other purposes.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A corn-planter, consisting of an ordinary shovel-plow, A B C, seed-box D, reciprocating-slide H, hinged discharge-tube C, connecting-arm I, adjustable clamp L, crank R, shaft K, and detachable bifurcated standard N, when all the parts are constructed as described and shown.

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