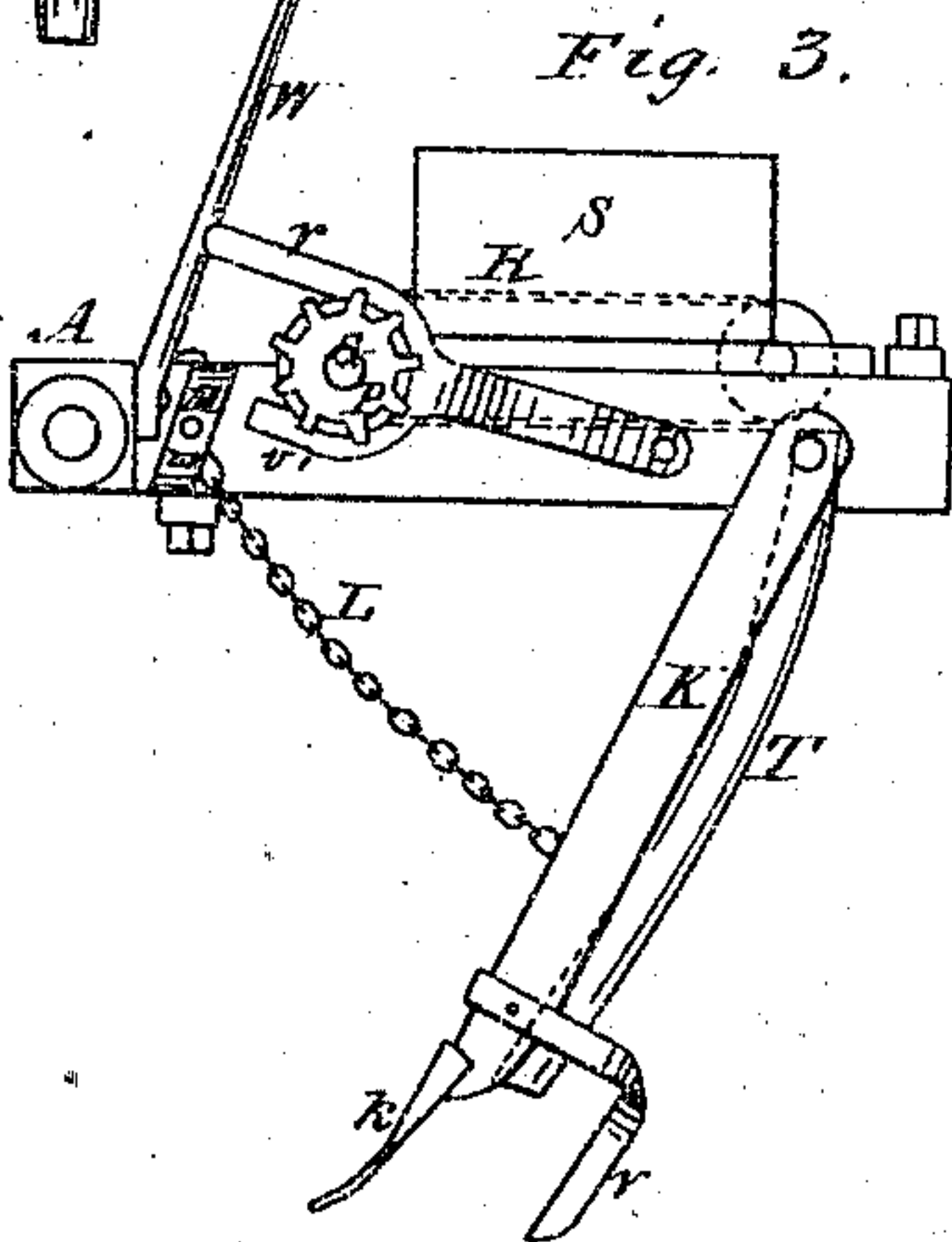
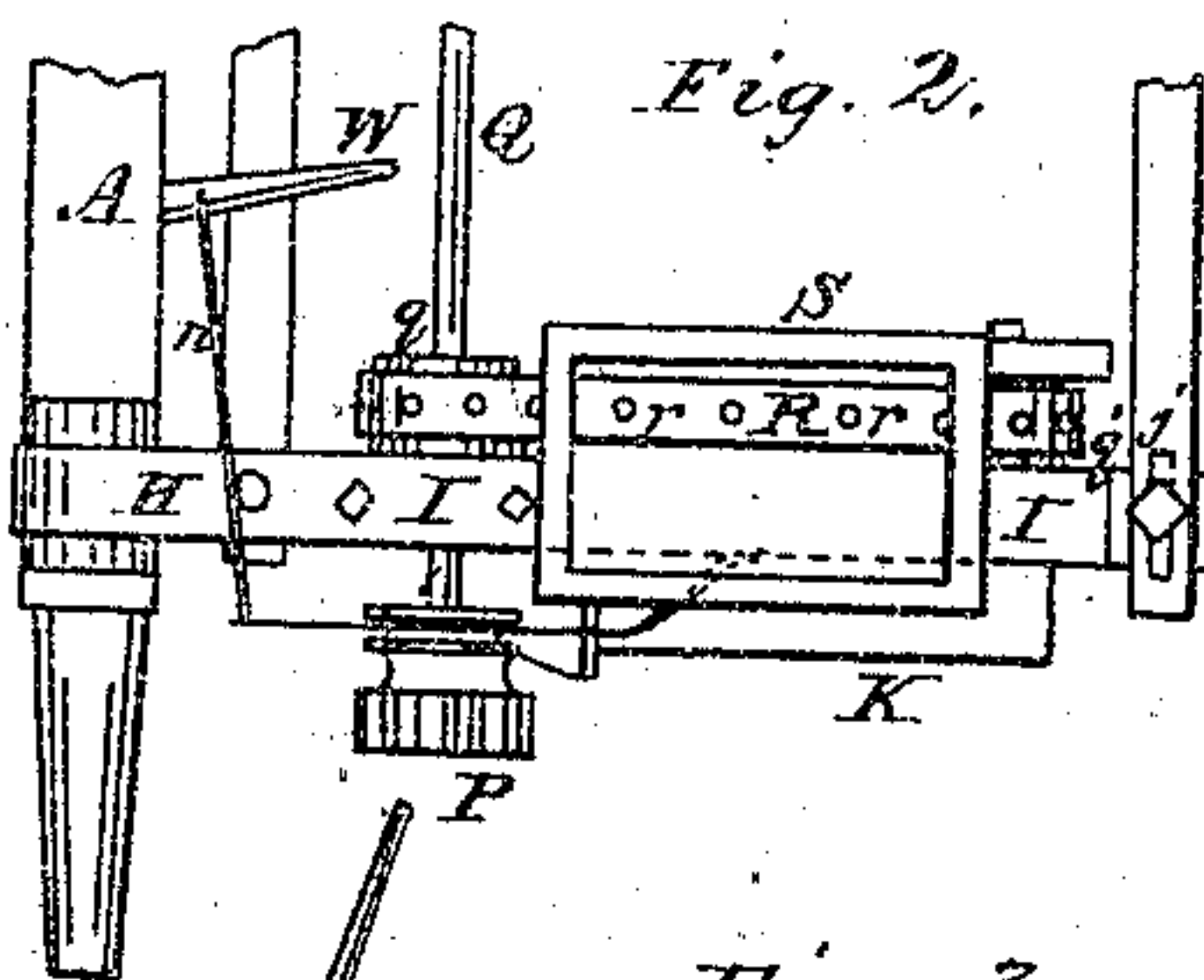
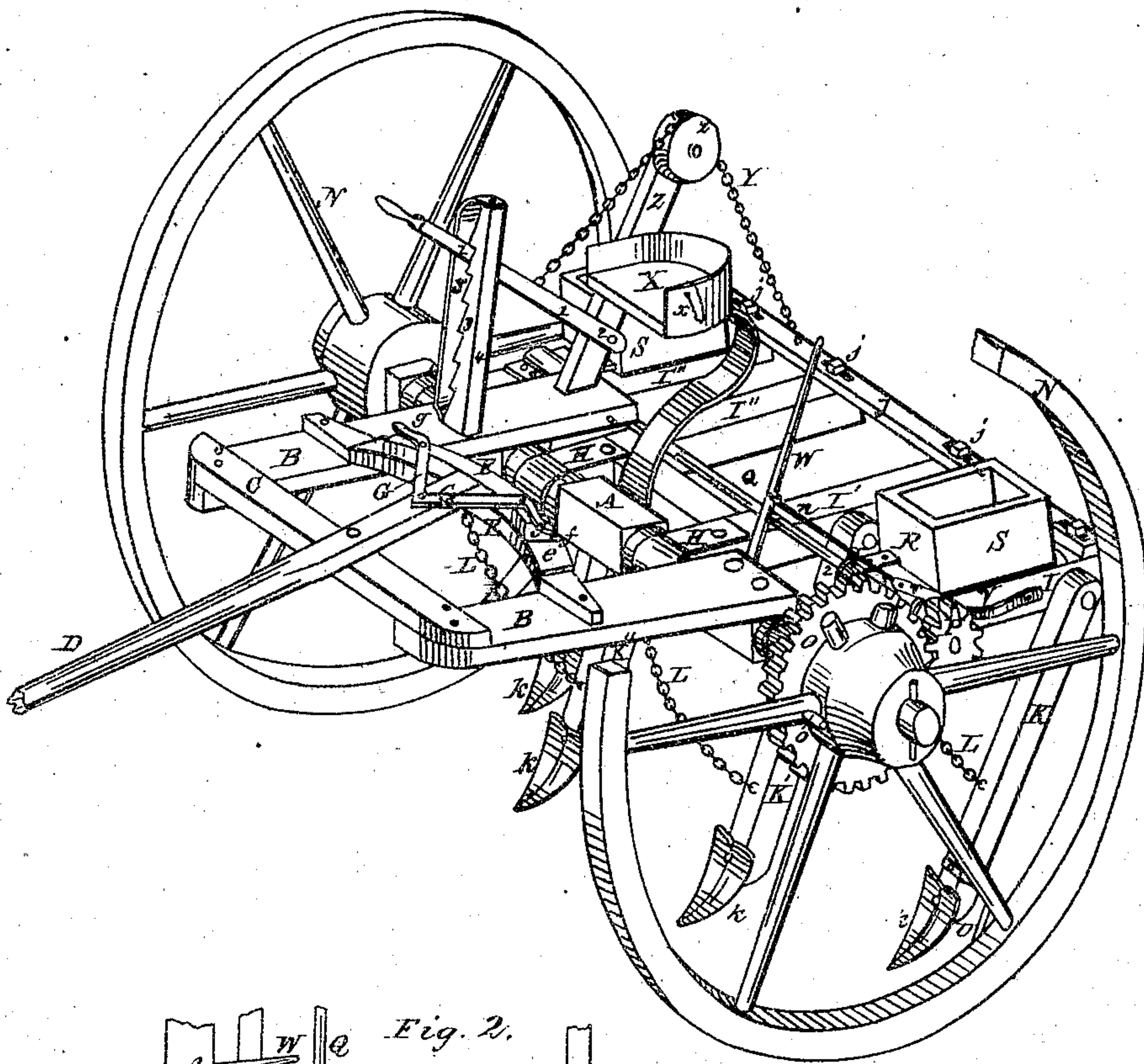


# W. H. Moore. Corn-Planter.

N<sup>o</sup> 74711

Patented Feb. 18, 1868.

Fig. 1



Witnesses  
Samuel Knight  
Cesar Hunt.

Inventor  
W. H. Moore  
By Knight Bros  
Atty's



# United States Patent Office.

WILLIAM H. MOORE, OF BLOOMING GROVE, INDIANA.

Letters Patent No. 74,711, dated February 18, 1868.

## IMPROVEMENT IN CORN-PLANTERS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO WHOM IT MAY CONCERN:

Be it known that I, WILLIAM H. MOORE, of Blooming Grove, Franklin county, Indiana, have invented a new and useful Corn-Planter; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

The object of this invention is to provide a corn-planter which admits of easy operation by a man seated thereon, and driving the team. In the accompanying drawings—

Figure 1 is a perspective view of a corn-planter embodying my improvements, with part of one wheel broken away to show parts of the machinery.

Figure 2 is a top view of part of the seeding-device.

Figure 3 is a side elevation of the same.

Upon the axle-tree A are bolted two longitudinal pieces, B B', connected together at their fore ends by a cross-beam, C, to which the tongue D is pivoted. The tongue runs back behind the cross-beam C to a segmental beam, E, and has a similar segmental cross-piece, F, mortised to it, and braced to it by diagonal bars, G G', which, turning back at their ends, form a resting-place, g g', for the soles of the feet of the driver, by which he is enabled (in some degree) to guide the implement, through the medium of the tongue. Upon the beam E, and similarly curved to it is bolted a piece of iron, e, to which the piece F is clamped, by means of clamps f, but with sufficient freedom to allow of the tongue turning upon its pivot, and of the pieces F and e sliding upon each other. Pivoted to the axle A, by means of straps H, are longitudinal beams, I I' I'' I''', and these beams are connected together by a bar, J. The bar J has slots, j, admitting of a slight lateral movement, when desired, by loosening the bolts connecting the said bar to the beams, the axle being formed so as to admit of the sliding of the straps H transversely upon it. Pivoted to each of the beams, I I' I'' I''', are stems K K' K'' K''', each being armed with a shovel-plough, k, and having a chain, L, acting as a brace-connection to the beams I, B B', I''', respectively. The chains L are stapled to the stems, and fastened to the beams by means of wooden pins, M, the pins passing through guards, m, and the appropriate link in the chain L. The pins M are made of wood, so as to give way upon a violent and uncommon strain, to avoid the fracture of a more important part.

Upon the axle-tree are two wheels, N N', the former of which has upon its hub a spur-wheel, O, prevented from rotating by a pin, o, transfixing both it and a wheel-spoke. The wheel O gears with a pinion, P, feather-keyed on a shaft, Q. Upon the shaft Q are two pulleys, q, carrying each a leather belt, R, which belts pass over idler-pulleys, q'. The belts R run through seed-boxes, S, upon the floors of said boxes, in such a manner as to carry seed therefrom, by means of seed-receptacles, r, in the belt. (The said receptacles may be mere perforations in the belt.) The seed are dropped from the receptacles, at the proper point in their course, into spouts T, attached to the frame, and the stems K and K'', and the said spouts deposit the seed between the ploughshare and the covers, U.

A spring, V, upon the beam I, ending in a forked plate, v v', embraces a circumferentially-grooved hub, upon the pinion P, and the two ends, v v', running within the groove, tend to keep the pinion in gear with the spur-wheel O.

When it is desired to throw the seeding-apparatus out of gear, it is done by means of a lever, W, which, connecting by rod w with the arm v of the fork, draws the pinion P along the shaft Q, and out of gear with the wheel O. The lever may be held in its retracted position by means of a loop, x, upon the seat X. The spring V operates to immediately throw the pinion P in gear when the lever is released. Affixed to the bar J is a chain, Y, which runs over a sheave, z, upon an upright, Z, on a backward projection of beam B'. The said chain is also fastened to a lever, 1, pivoted at 2 to the upright, Z, and the said lever has an acute corner, arranged so as to catch, when required, into a ratchet, 3, upon another upright, 4, furnished with lever-guard 5. When it is desired to raise the ploughshares from the ground, the upper end of the lever 1 is driven forward and downward, and the chain Y being drawn over the sheave z, will raise the plough-points from the ground.

The seat X may be attached to the axle, as shown, or may be placed upon the frame where it is desired to increase the weight upon it. The pivoting of the tongue allows of turning the planter in a very small space.

I claim herein as new and of my invention—

1. The arrangement, in a corn-planter, of the seed-dropping device, consisting of the elements O, o, P, q q', R, r, and S, substantially as and for the purpose set forth.
2. The pivoted frame, H, I I' I'' I''', K K' K'' K''', k, arranged to be raised from the ground by means of chain Y, lever 1, and ratchet 3, substantially as stated.

In testimony of which invention, I hereunto set my hand.

Witnesses:

GEO. H. KNIGHT,  
JAMES H. LAYMAN.

WILLIAM H. MOORE.