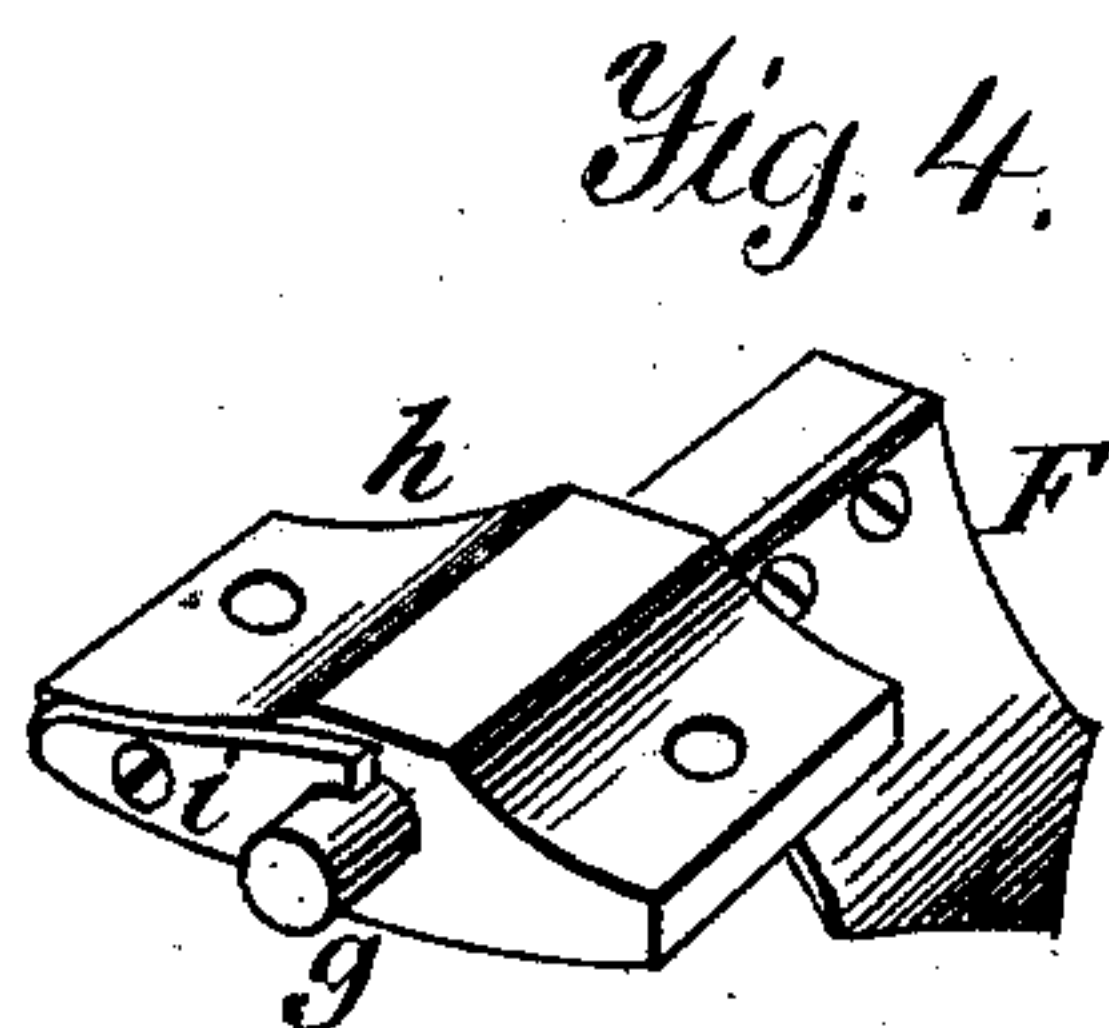
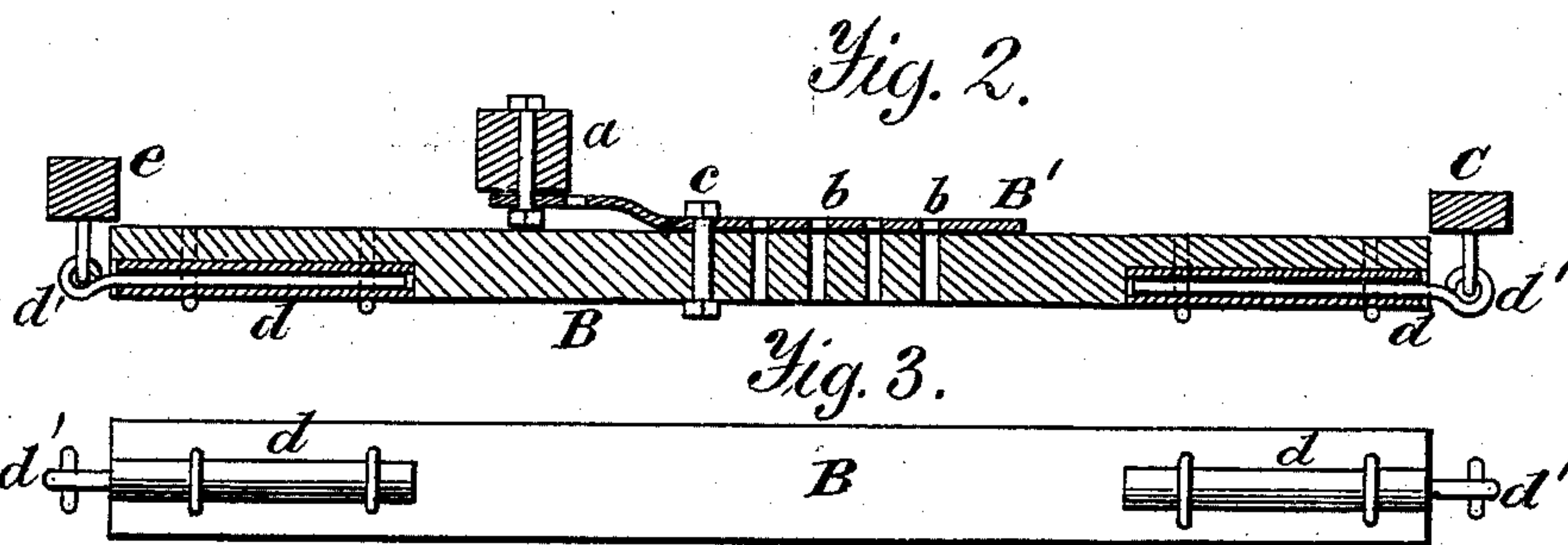
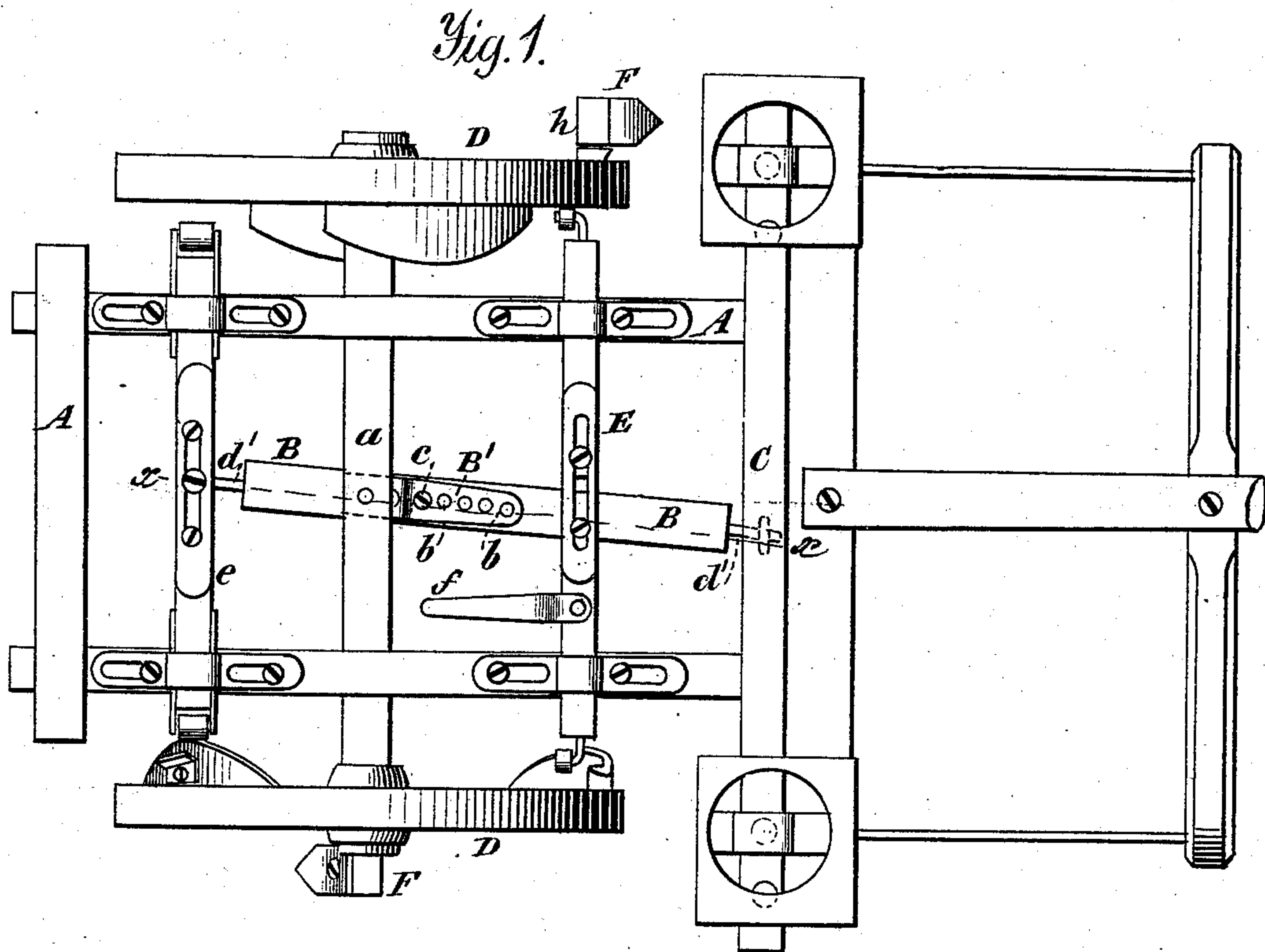


O. B. ROLLINS & J. W. HUDSON.  
Check-Rowers for Corn-Planters.

No. 224,796.

Patented Feb. 24, 1880.



*Witnesses.*  
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# UNITED STATES PATENT OFFICE.

ORLANDO B. ROLLINS AND JOHN W. HUDSON, OF WELLINGTON, ILLINOIS.

## CHECK-ROWER FOR CORN-PLANTERS.

SPECIFICATION forming part of Letters Patent No. 224,796, dated February 24, 1880.

Application filed November 20, 1879.

*To all whom it may concern:*

Be it known that we, ORLANDO B. ROLLINS and JOHN W. HUDSON, of Wellington, in the county of Iroquois and State of Illinois, have invented certain new and useful Improvements in Corn Check-Rowers for Corn-Planters; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a plan view of our improved corn check-rower for corn-planters. Fig. 2 is a vertical section through the dotted line  $x x$  of Fig. 1. Fig. 3 is a detail view of the same, and Fig. 4 is a similar view thereof.

The same part in the several figures is denoted by the same letter.

This invention has relation to certain improvements in corn check-rowers for corn-planters, the object of which is to provide for the adjustment of the seed-slide-operating bar, to regulate the stroke of the seed-slide, and to obviate the possible catching or stopping of the movement of the seed-slide. A further object is to provide for detachably connecting the marker to the wheel.

To these ends our improvements consist of a lever or bar with a serially-perforated plate or arm for connecting it to the axle of the planter, and provided with telescopic or sliding connection between itself and the seed-slide, and also between itself and the bar from which it receives its motion, and of the marker with a lateral arm inserted through means for its attachment to the wheel of the planter, and held therein by a button with its free end fitting into a notch or slot in the arm of the marker, substantially as hereinafter more fully set forth.

A in the accompanying drawings refers to the frame mounted upon an axle and constructed after that shown in our patent dated November 11, 1879, No 221,015.

B is the seed-slide-operating bar or lever, hung to the under side of the axle  $a$  by an angular plate or arm,  $B'$ , provided with a series of adjusting-perforations,  $b b$ , through one of which the adjusting screw or bolt  $c$ , connect-

ing or pivoting the bar B to said plate or arm, passes, and by means of which the forward arm of the lever B may be shortened or lengthened, to regulate or vary the stroke of the seed-slide to which it is connected. The bolt  $c$  also serves as a fulcrum for the lever B; while the plate to which it is pivoted is rigidly fastened to the axle. The ends of the lever B are provided with sockets or tubes  $d d$ , within which slide rods  $d' d'$ , one of these rods connecting the lever to the seed-slide C, and the other rod connecting it to the bar  $e$ , from which it receives motion, said bar being acted upon by cams on the driving-wheels D D. This arrangement provides telescopic or sliding connections between the said lever and the seed-slide and its actuating-bar, to obviate the possible catching or stopping of the motion of the seed-slide either from irregularity of movement of the actuating-bar or that of the wheels or planter while passing over hilly or undulatory ground.

The lever B may be acted upon also by a similar bar, E, to the bar  $e$ , disposed at the forward end of the frame A and struck by cams on the wheels D D. To the bar E is connected a lever,  $f$ , for manipulating the same by foot or otherwise, as the driver may see necessary.

F is a marker, one or more applied to each wheel. This marker in itself consists of a spade-shaped or other suitably-shaped plate, preferably curved and affixed to a right-angled bar having an arm,  $g$ , preferably cylindrical or round, and passed through an aperture in a block,  $h$ , with means for fastening it either to the felly or outside of the wheel of the planter. A button or latch,  $i$ , pivoted to the block  $h$ , is adapted to enter a slot or notch in the projecting end of the marker-arm  $g$  to detachably secure it in position.

Having thus fully described our invention, we claim and desire to secure by Letters Patent—

1. In a corn-planter, the seed-slide-operating lever B, with a serially-perforated arm or bar connected to said lever by an adjusting screw or bolt, substantially as and for the purpose specified.

2. The seed-slide-operating lever provided at one or both ends with sliding or telescopic

attachments for connecting it to the seed-slide and to its actuating-bar, substantially as and for the purpose set forth.

3. In a corn-planter, the marker F, provided  
5 with a lateral or right-angled arm or bar, *g*, in combination with its attaching-block *h*, having a button or latch, *i*, entering a notch or slot in the projecting end of the marker-arm, substantially as and for the purpose described.

In testimony that we claim the foregoing to we have hereunto set our hands this 15th day of October, 1879.

ORLANDO B. ROLLINS.  
JOHN W. HUDSON.

Witnesses:

JOS. H. POTTER,  
R. M. HAMILTON.