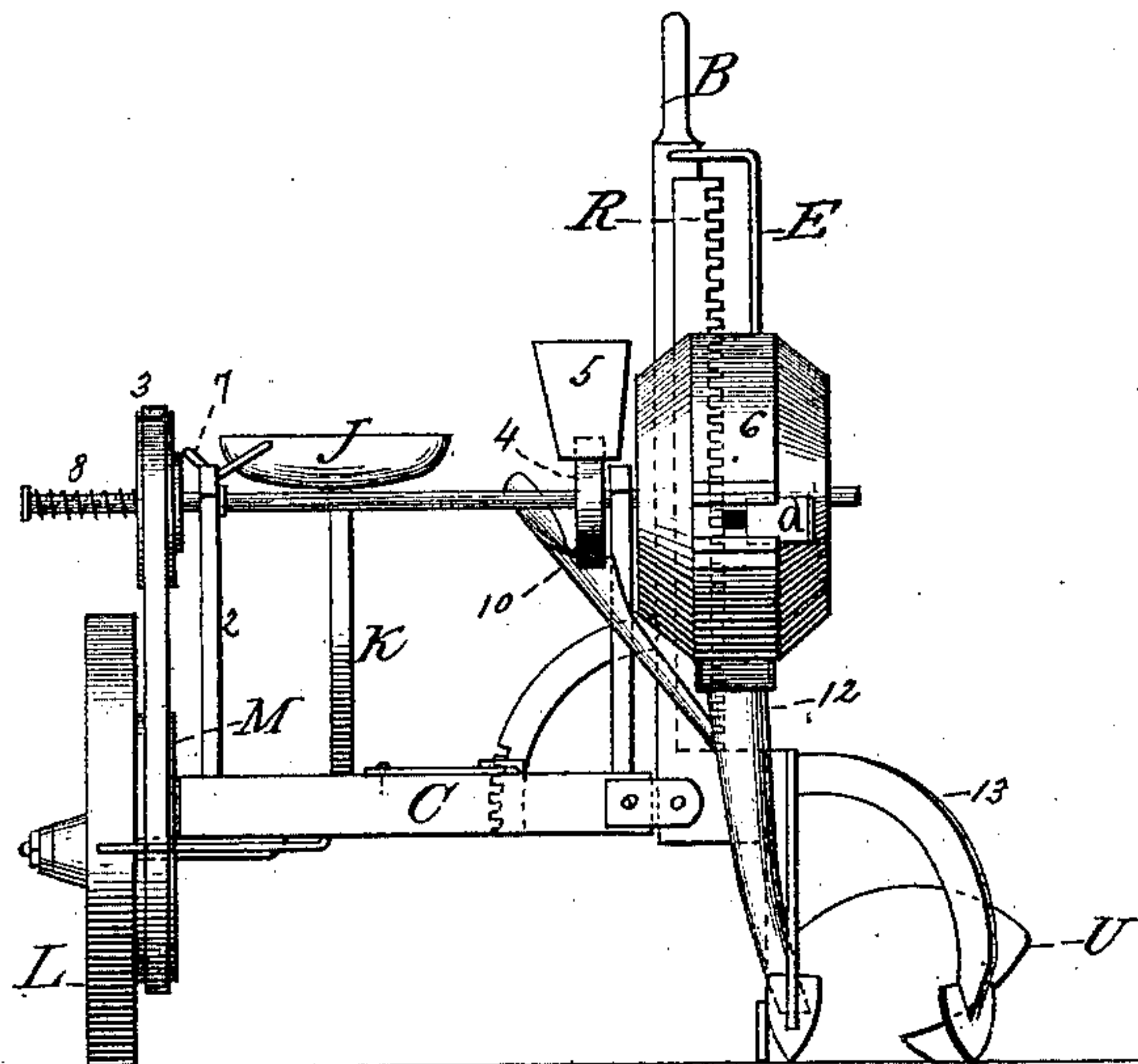
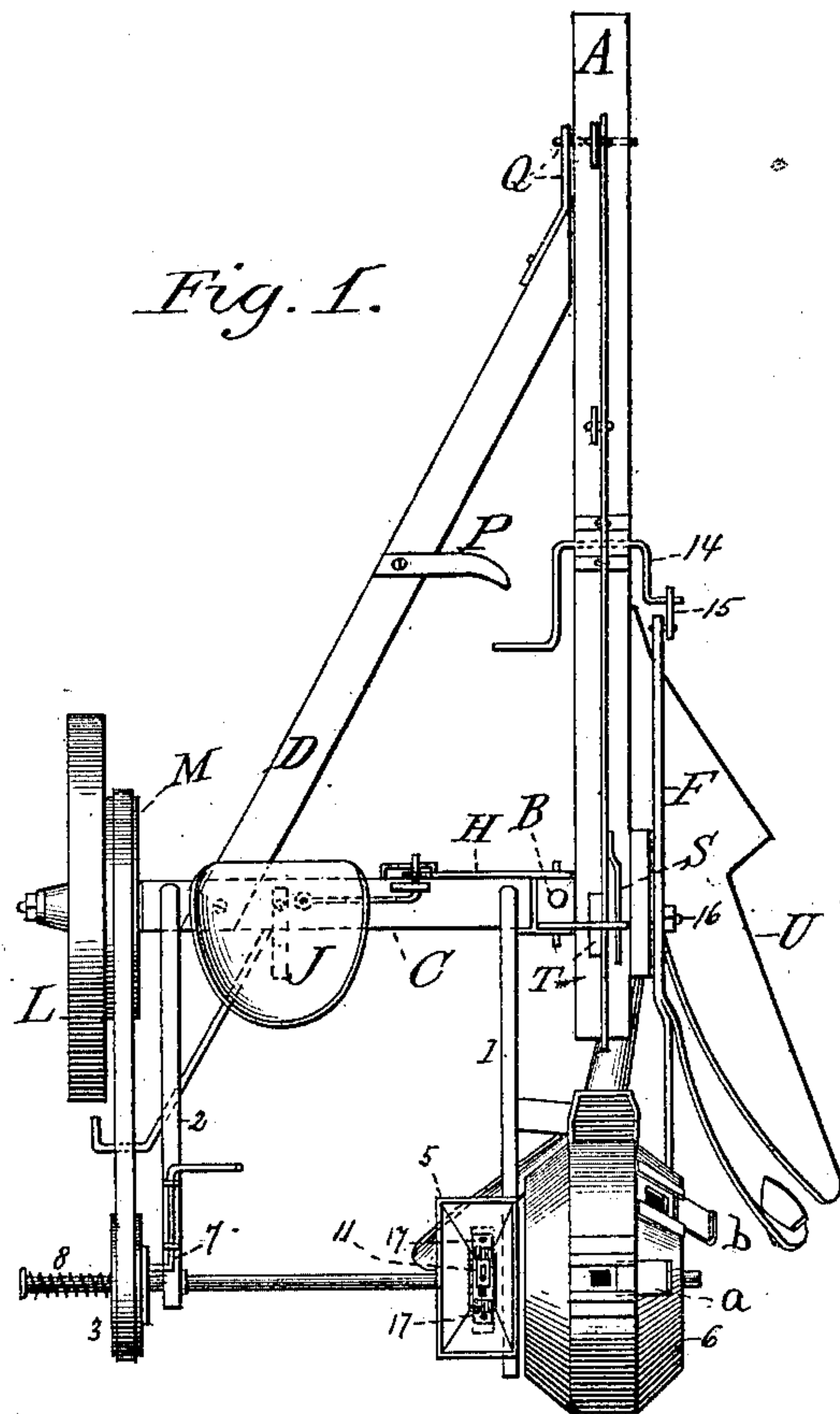


W. A. CHAPMAN.
Agricultural Implement.

No. 225,688.

Patented Mar. 23, 1880.



Witnesses:
Wm. M. Long,
D. Blum

W. A. Chapman Inventor

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Fig. 3.

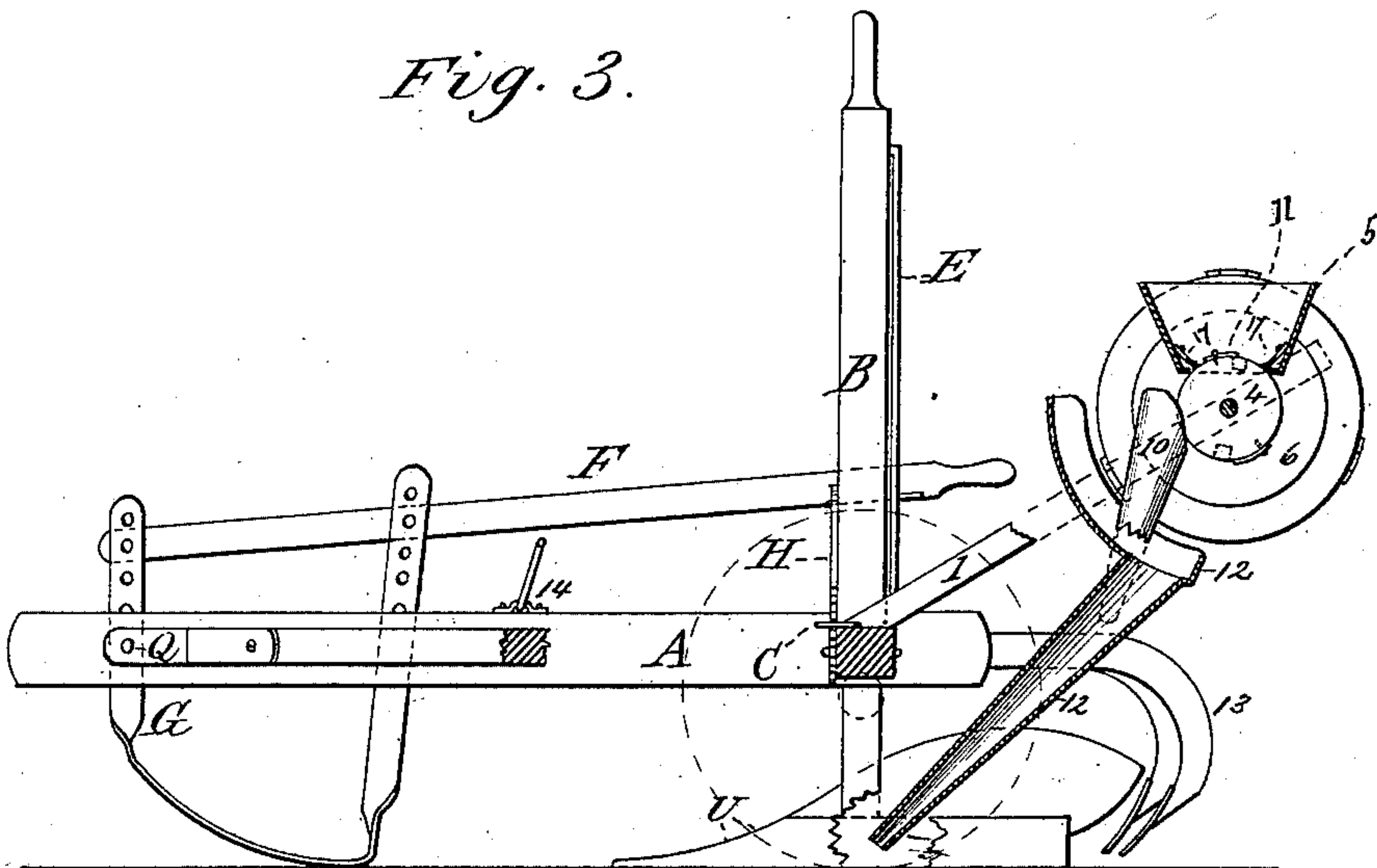
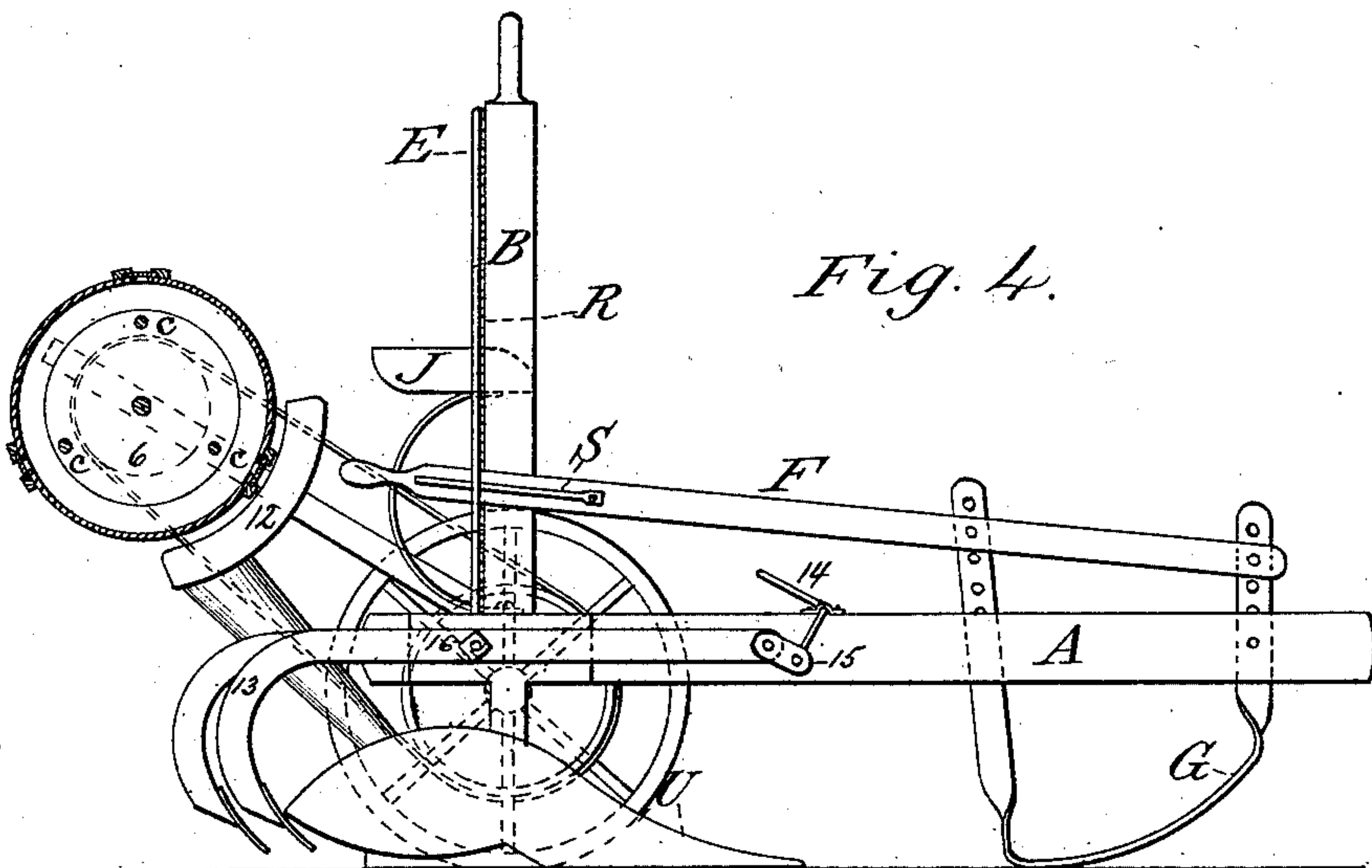


Fig. 4.



Witnesses:
Wm. M. Long,
D. Blume

W. A. Chapman Inventor.

UNITED STATES PATENT OFFICE.

WILLIAM A. CHAPMAN, OF BOLD SPRINGS, TEXAS.

AGRICULTURAL IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 225,688, dated March 23, 1880.

Application filed November 11, 1879.

To all whom it may concern:

Be it known that I, W. A. CHAPMAN, of Bold Springs, in the county of McLennan and State of Texas, have invented a new and useful Improvement in an Agricultural Implement, of which the following is a specification.

In the annexed drawings, Figure 1 is a plan view. Fig. 2 is a rear view. Figs. 3 and 4 are side elevations, partly in section, taken on opposite sides.

This invention relates to plows; and it consists in the construction, combination, and arrangement of parts, as will be hereinafter more fully set forth, and pointed out by the claims.

To beam A is attached standard B by means of rivets. To the foot of standard B is attached axle C by means of a bolt forming a loose joint. From axle C, near the foot of inclined standard 2, extends brace D to beam A, to which it is connected by a bolt running through the beam at the front part of the runner G.

Near the front of beam A is attached runner G by means of two tenons with bolt through the front one. The front arm is adjustable and forms the pivot or fulcrum for the lever F. The rear arm is also adjustable on the lever F, with which it is connected by a bolt or pin, so that as the rear end of the lever is raised or lowered the running depth of the plow is changed, and the position of the lever held by the locking-rack subject to the control of the operator, who can readily change it at any time without stopping the machine.

Above beam A is attached lever F to runner G, which extends back to standard B, and is used for the purpose of regulating the depth of plow U and throwing the point of said plow out of the ground by means of spring S and catch T holding to gage R and guard E.

To standard B is attached leveler H by means of a bolt. Leveler H is nearly a quadrant, with notches in the lower end, which are held by a small spring. To axle C is attached spring K, which supports seat J. To axle C is also attached foot-rest P.

The planting attachments are connected to

axle C by inclined standards 1 and 2, through the upper ends of which extends a rod, to which are attached the planters. Upon said rod is pulley 3, held to its place by spiral spring 8, which is connected to pulley M by means of a band, furnishing the power for running the planters.

By the assistance of lever 7 the planters may be stopped while the pulleys continue to run.

Wheel 4 is designed as a corn-dropper, with shallow oblong holes, regulating the number of grains to be dropped by use of slide 11.

The hopper 5, containing the corn, assisted by improved hair brush 17, being made of hair and covered with leather, is also put on with a screw, so that it can be moved if necessary. The corn is conveyed from dropper 4 to open spout 10, thence into spout 12, which carries it to the center and bottom of the furrow.

Revolving drum 6, with beveled edges, is the cotton-planter. Both edges being beveled causes the seed to work to the center of the holes. The size of the holes is controlled by slides a, which regulate the quantity of seed planted. The seed is conducted to the furrow by spout 12. The seed is placed in the hopper through the opening covered with slide b.

In the drum there are three rods, c, equidistant from the axle of the drum, which keep the seed loose, thereby preventing clogging.

The two covering-shovels 13 are attached to beam A by means of bolt 16, and regulated by crank-lever 14, with connecting-link 15.

What I claim is—

1. The double-shovel coverer 13, pivoted to the beam 16, in combination with the beam A, link 15, and lever or treadle 14, substantially as and for the purpose set forth.

2. A double-shovel coverer, 13, pivoted to the beam 16, in combination with the beam A, gage-runner G, lever F, and locking-rack R S, substantially as and for the purpose set forth.

WILLIAM ARNOL CHAPMAN.

Witnesses:

WM. M. LONG,
D. B. BLOUSE.