

(No Model.)

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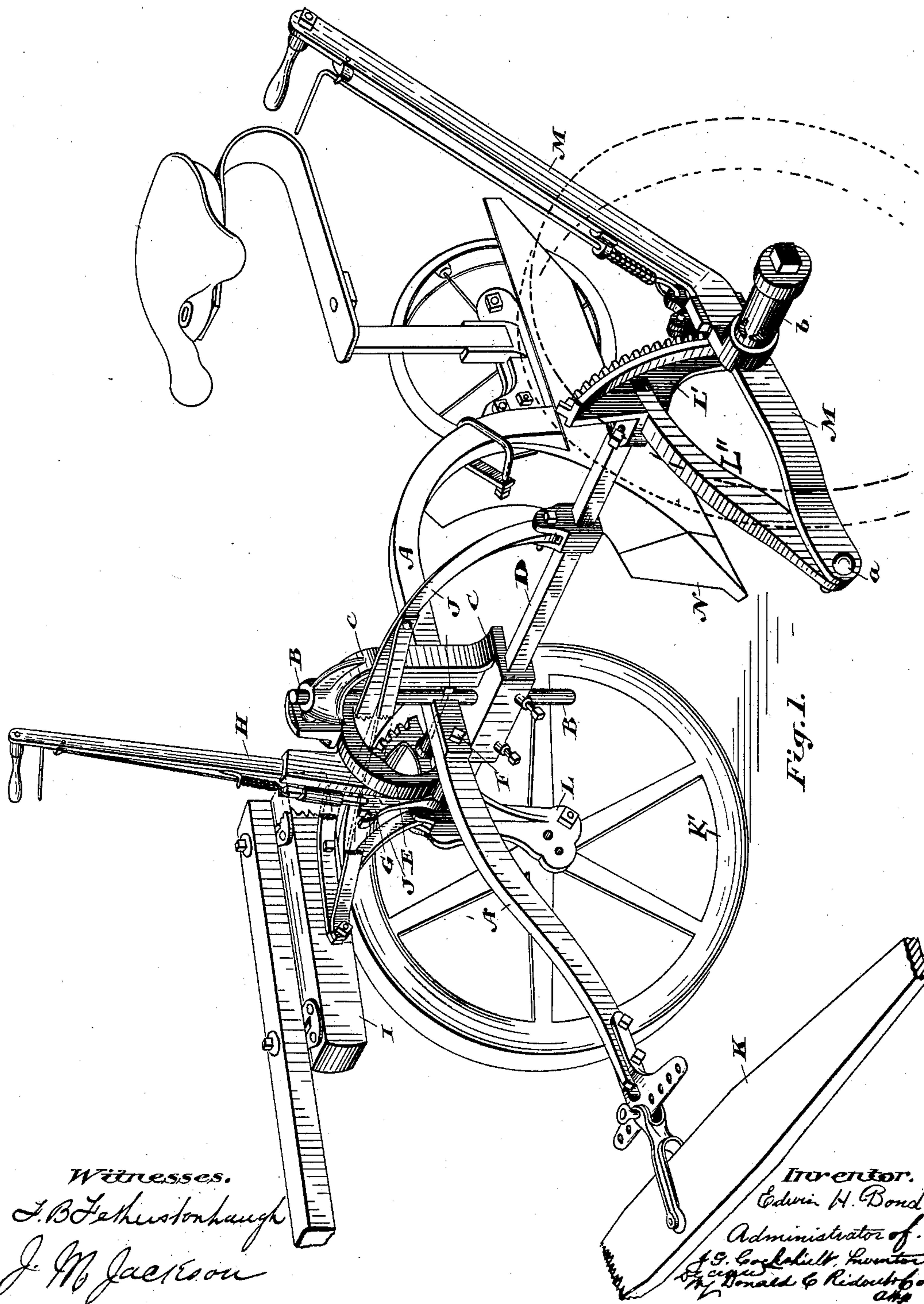
J. G. COCKSHUTT, Dec'd.

E. H. BOND, Administrator.

RIDING PLOW.

No. 359,125.

Patented Mar. 8, 1887.



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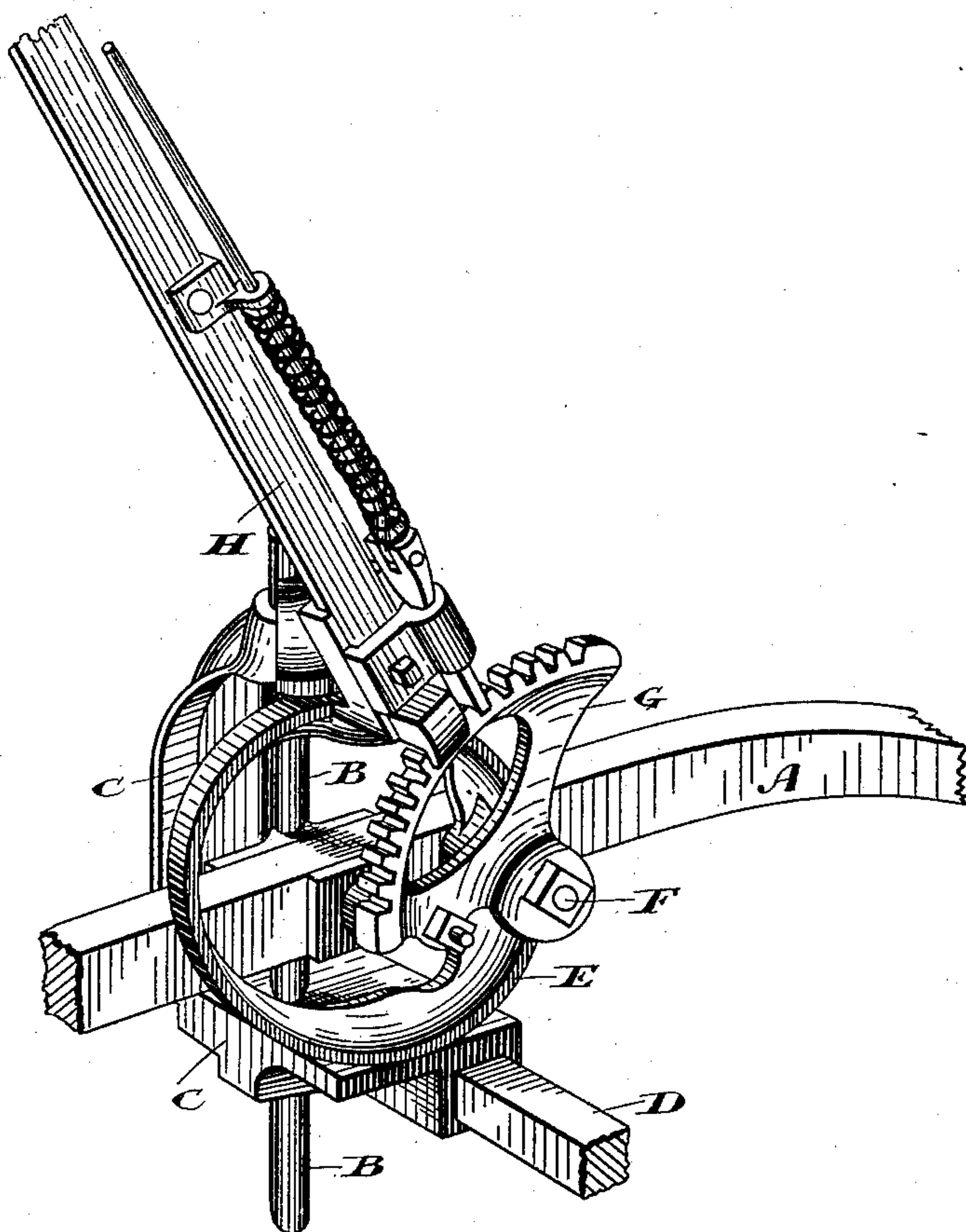


Fig. 2.

Witnesses.

J. B. Johnstonhaugh

J. M. Jackson

Inventor.

Edwin N. Bond.

Administrator of

J. G. Cockshutt, Inventor, Dec'd.

By Donald C. Ridout & Co

Attys

UNITED STATES PATENT OFFICE.

EDWIN H. BOND, OF WASHINGTON, DISTRICT OF COLUMBIA, ADMINISTRATOR OF JAMES GEORGE COCKSHUTT, DECEASED.

RIDING-PLOW.

SPECIFICATION forming part of Letters Patent No. 359,125, dated March 8, 1887.

Application filed July 1, 1886. Serial No. 206,831. (No model.)

To all whom it may concern:

Be it known that JAMES GEORGE COCKSHUTT, deceased, of the city of Brantford, in the county of Brant, in the Province of Ontario, Canada, manufacturer of agricultural implements, did invent certain new and useful Improvements in Riding-Plows, of which the following is a specification.

The object of the invention is, first, to connect the plow-beam to its supporting-axle so that they shall swivel independently of each other; secondly, to provide easy means for vertically adjusting the plow-beam, and, thirdly, to provide means by which the angle of the plow can be readily altered by the driver without moving off his seat; and it consists, essentially, first, in connecting the plow-beam to the axle by a king-bolt, which permits the desired swivel; secondly, in attaching a hand-lever to the plow-beam and connecting it by means of an eccentric to the axle, so that the movement of the hand-lever on its pivot shall impart vertical adjustment to the plow-beam, and, thirdly, in so connecting one end of the axle to its supporting-wheel that the said end of the axle may be raised or lowered by a hand-lever arranged substantially as hereinafter more particularly explained.

Figure 1 is a perspective view of the plow complete. Fig. 2 is an enlarged detail, showing the king-bolt and mechanism for adjusting the plow-beam thereon.

A is the plow-beam, having fixed upon it near the center a king-bolt, B, which extends above and below the plow-beam A, as indicated.

C is a bracket bolted or otherwise secured to the axle D. Holes are pierced through this bracket to permit the free passage of the king-bolt B, thereby forming a connection between the axle D and the plow-beam A, which will permit the swivel movement desired.

E is an eccentric pivoted on the bolt F, which passes through the plow-beam A and notched quadrant G, which is rigidly fastened to the plow-beam A, as indicated.

H is a hand-lever forming part of or rigidly attached to the eccentric E, and provided with an ordinary spring-bolt to engage with the notches in the quadrant G. The eccentric E

rests upon the bed of the bracket C, and thereby supports the plow-beam A. By adjusting the hand-lever H in the quadrant G the height of the plow-beam A may be altered in proportion to the throw of the eccentric E. The short tongue I is connected to the axle D by the curved braces J, which are hinged to the axle, as indicated.

By connecting the horses directly to the plow through the double-tree K, independent of their connection through the tongue I to the axle D, a steadier and straighter draft for the plow is insured. One end of the axle D is connected to the ground-wheel K' by a bracket, L, as indicated, while the other end of the axle D is connected to its ground-wheel (shown in dotted lines) by a quadrant-bracket, L', which is rigidly fastened to its end and pivoted at a to the end of the hand-lever M, which, as indicated, is rigidly fastened to the hub b of the ground-wheel. It will thus be seen that by adjusting the hand-lever M, which is provided with an ordinary spring-pawl which fits into the notches in the quadrant L, the end of the axle D may be raised or lowered as required to impart the necessary angle to the plow, which is connected to the beam A, as indicated.

What is claimed as the invention of the late JAMES GEORGE COCKSHUTT is—

1. In a riding-plow, the combination of an axle, a plow-beam, and an eccentric pivoted on a stationary pivot on the plow-beam and resting upon the axle and supporting the plow-beam, substantially as described.

2. In a riding-plow, the combination, with the axle and plow-beam swiveled thereon, of a bracket secured to the axle, an eccentric pivoted to the plow-beam and resting on the bracket, and means for operating said eccentric, substantially as and for the purpose specified.

3. In a riding-plow, the axle D and the king-bolt B, pivoted on said axle, attached to the plow-beam A, in combination with the eccentric E, pivoted on the plow-beam A and operated by a hand-lever, H, substantially as and for the purpose specified.

4. In a riding-plow, the axle D, having fixed to it the bracket C, shaped substantially as shown, and forming bearings for the king-bolt

B, which is attached to the plow-beam A at or near its center, in combination with the eccentric E, pivoted on the bolt F and resting upon the bracket C, the notched quadrant G, rigidly fastened to the plow-beam A, and the hand-lever H, rigidly fastened to the eccentric E, substantially as and for the purpose specified.

5. The combination, with the axle and the ground-wheels, of the bracket L, connecting one end of the axle to its wheel, the quadrant-bracket L', rigidly fastened to the other end of

said axle, and having arms L'', the spindle b, and the hand-lever M, carrying said spindle and having one end pivoted to the bracket-arm L'', as at a, substantially as described, and for the purpose specified. 15

EDWIN H. BOND,

Administrator of the estate of Jas. George Cockshutt, deceased.

Witnesses:

E. J. ROBERTSON,
C. H. RAEDER.