

(No Model.)

2 Sheets—Sheet 1.

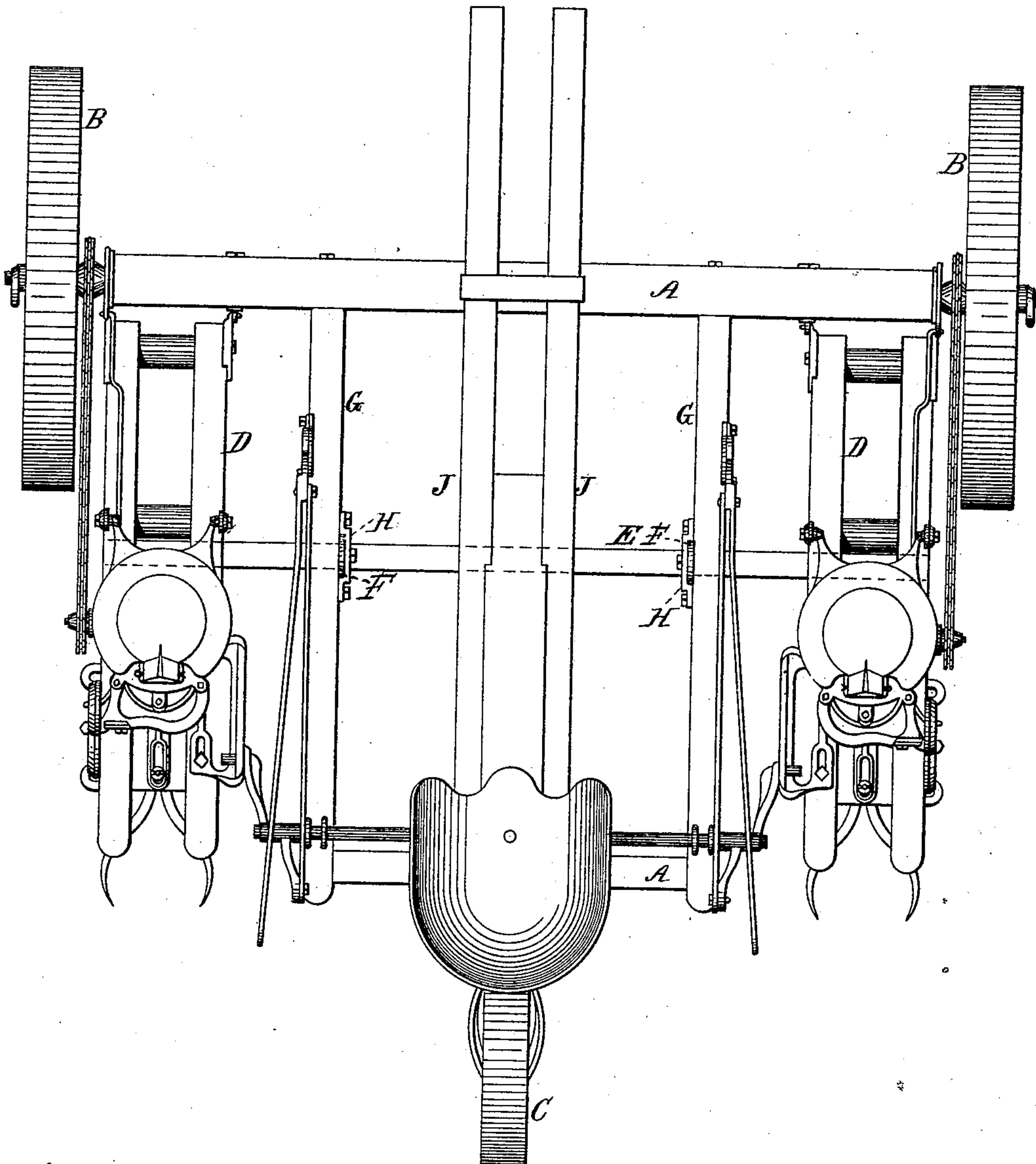
M. DE LA F. RUDE.

CORN DRILL.

No. 389,907.

Patented Sept. 25, 1888.

Fig. 1.



Witnesses:

W. C. Jirdinston.

George Heidman

Inventor:

Markus De La Fayette Rude

by

Arthur Kern

his Attorney.

(No Model.)

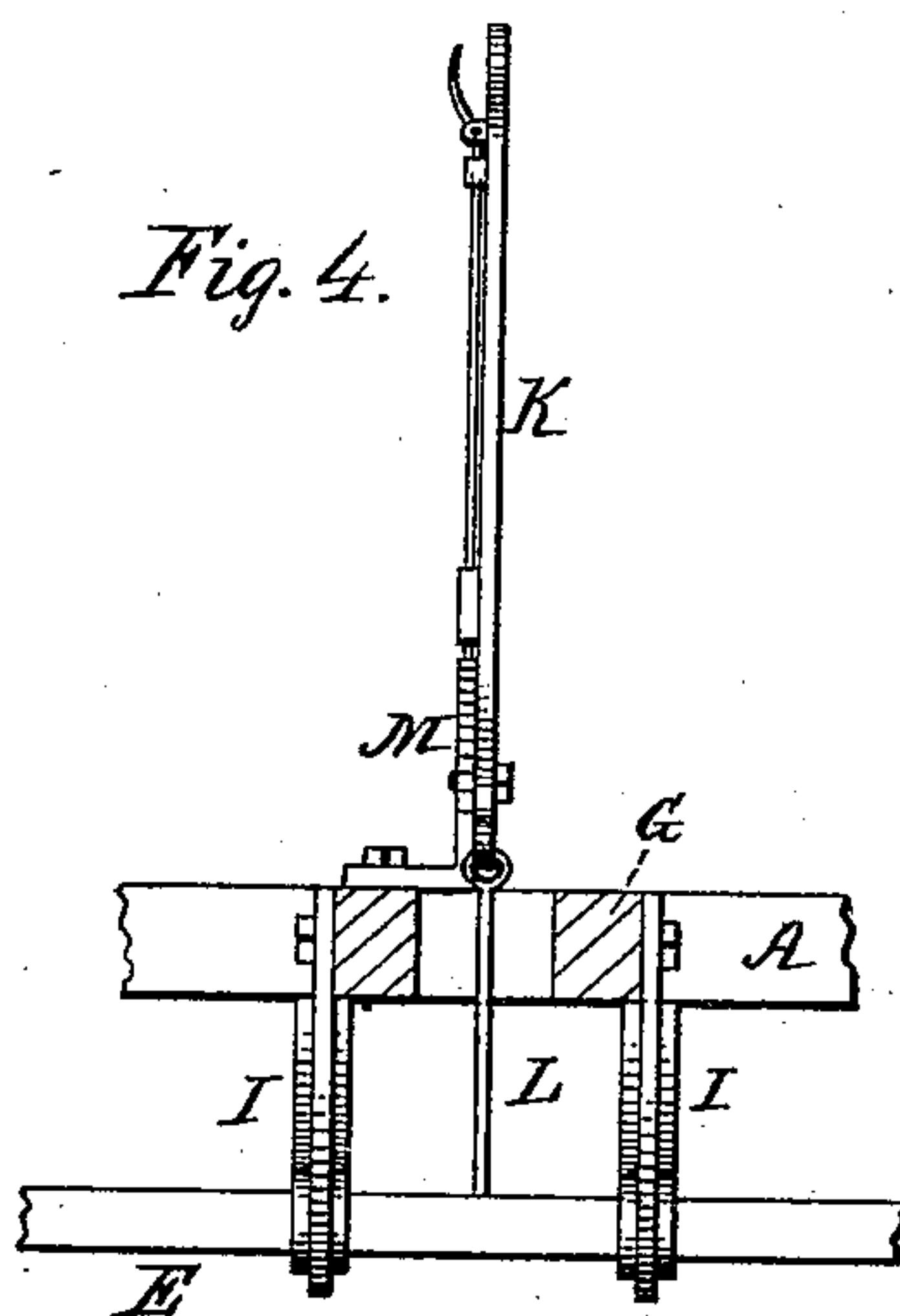
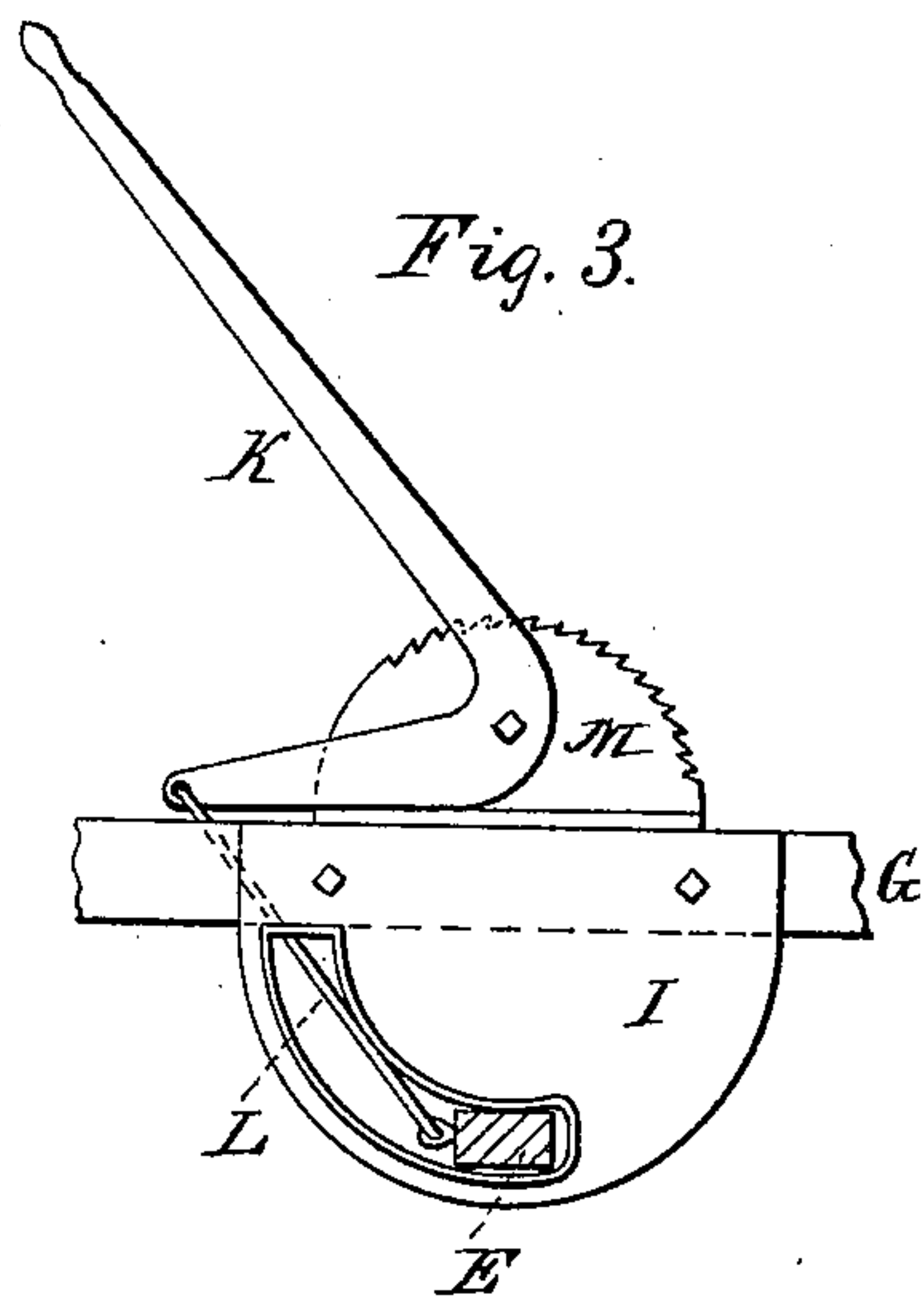
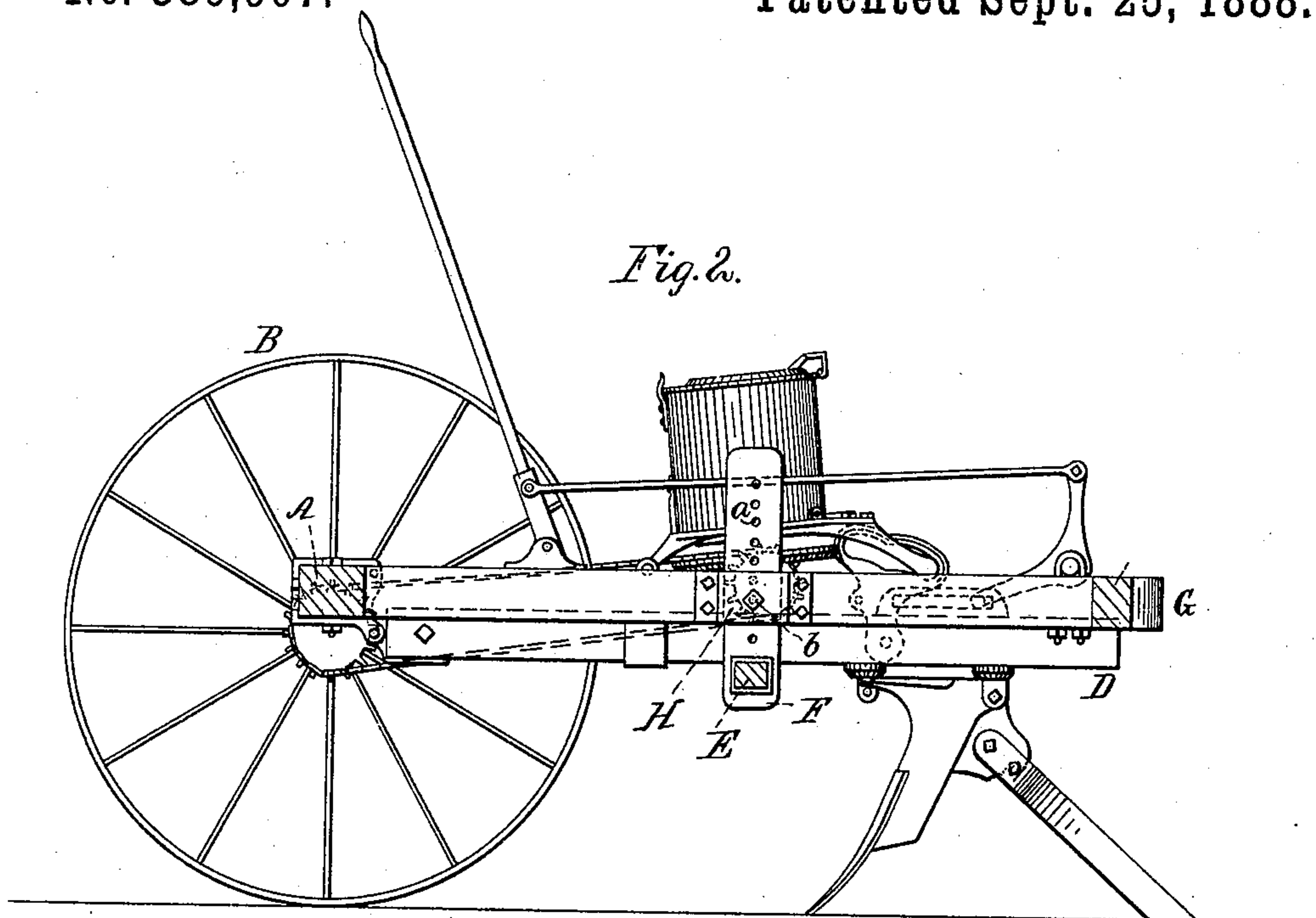
2 Sheets—Sheet 2.

M. DE LA F. RUDE.

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No. 389,907.

Patented Sept. 25, 1888.



Witnesses:
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Markus De La Fayette Rude
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UNITED STATES PATENT OFFICE.

MARKUS DE LA FAYETTE RUDE, OF LIBERTY, INDIANA, ASSIGNOR TO THE
RUDE BROTHERS MANUFACTURING COMPANY, OF SAME PLACE.

CORN-DRILL.

SPECIFICATION forming part of Letters Patent No. 389,907, dated September 25, 1888.

Application filed January 13, 1887. Renewed May 17, 1888. Serial No. 274,202. (No model.)

To all whom it may concern:

Be it known that I, MARKUS DE LA FAYETTE RUDE, a citizen of the United States, residing at Liberty, in the county of Union and State of Indiana, have invented certain new and useful Improvements in Corn-Drills, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that class of corn-drills known as "double-row corn-drills," and wherein the width of the furrows can be changed as desired; and it has for its object the production of novel means for regulating the depth of the furrows.

The novelty of my invention will be herein set forth, and specifically pointed out in the claims.

In the accompanying drawings, Figure 1, Sheet 1, is a plan view of a corn-drill embodying my invention. Fig. 2, Sheet 2, is a sectional side elevation of the same. Figs. 3 and 4, Sheet 2, are enlarged detail views representing a modification in the construction.

The same letters of reference are used to indicate identical parts in all the figures.

The machine herein shown is substantially the same as that illustrated and described in Letters Patent No. 352,586, of November 16, 1886, and need not here be further described than to say that A is the main frame; B, the supporting-wheels; C, the caster-wheel, and D the vibrating secondary frames carrying the seeding, furrowing, and covering mechanisms.

It is desirable in this class of machines to have adjustable stops to regulate the depth to which the drills are allowed to enter the ground, and to that end I have provided a transverse adjustable stop-bar, E, which extends across the frame of the machine and under the secondary frames D. This bar is carried in two hangers, F, which in this instance are held to the side of the cross-beams G by clips H. They are provided with a number of perforations, a, through which and the clips bolts b are passed to hold the hangers in any of their ad-

justed positions. It will be seen from this construction that by adjusting the hangers up or down the bar E is raised or lowered, and serves as a stop to limit the downward vibration of the secondary frames, and thereby regulate the depth of the planting. As a modification of this construction, that shown in Figs. 3 and 4 may be employed, where the bar is carried by segmentally-slotted plates I, secured to the cross-beams J, and is raised or lowered in the segmental slots by a lock-lever, K, and connecting-link L. By this latter method the adjustment of the bar can be effected instantaneously by the driver from his seat, and by means of the usual ratchet-plate, M, in connection with the lock-lever, it can be locked in any of its adjusted positions.

While I have shown my invention as applied to this particular corn-drill, it is obvious that it is capable of use in any of the various styles of double-row corn-drills having a main frame and secondary planting and furrowing frames.

I am aware that it is not new in corn-drills having a main frame and a secondary planting-frame to provide a stop-bar or plates for regulating or controlling the depth of the furrows, and I do not claim, broadly, such a device.

Having thus fully described my invention, I claim—

1. In a double-row corn-drill, the combination, with the main frame and secondary frames, of the adjustable hangers F, secured to the main frame, and the stop-bar E, carried by said hangers and engaging with the secondary frames, substantially in the manner and for the purpose specified.

2. The combination and arrangement of the bars G, clips H, hangers F, bar E, and secondary frames D, with which said bar E engages, substantially in the manner and for the purpose specified.

MARKUS DE LA FAYETTE RUDE.

Witnesses:

T. H. STANFORD,
POWELL SLADE.