

(No Model.)

J. H. NEALE.

Corn Planter.

No. 231,605.

Patented Aug. 24, 1880.

Fig. 1.

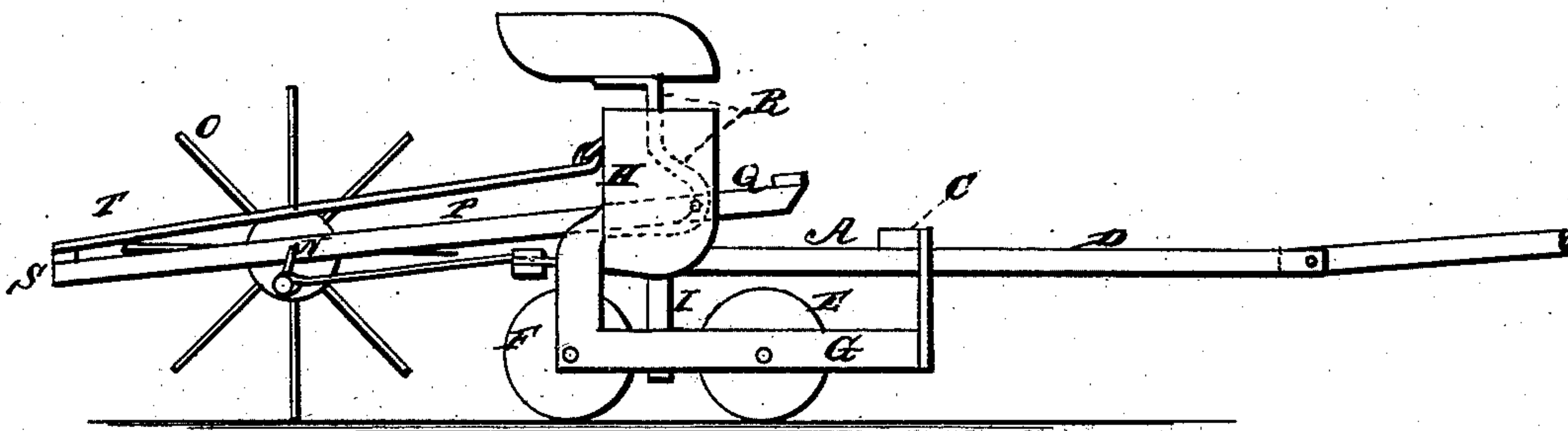


Fig. 2.

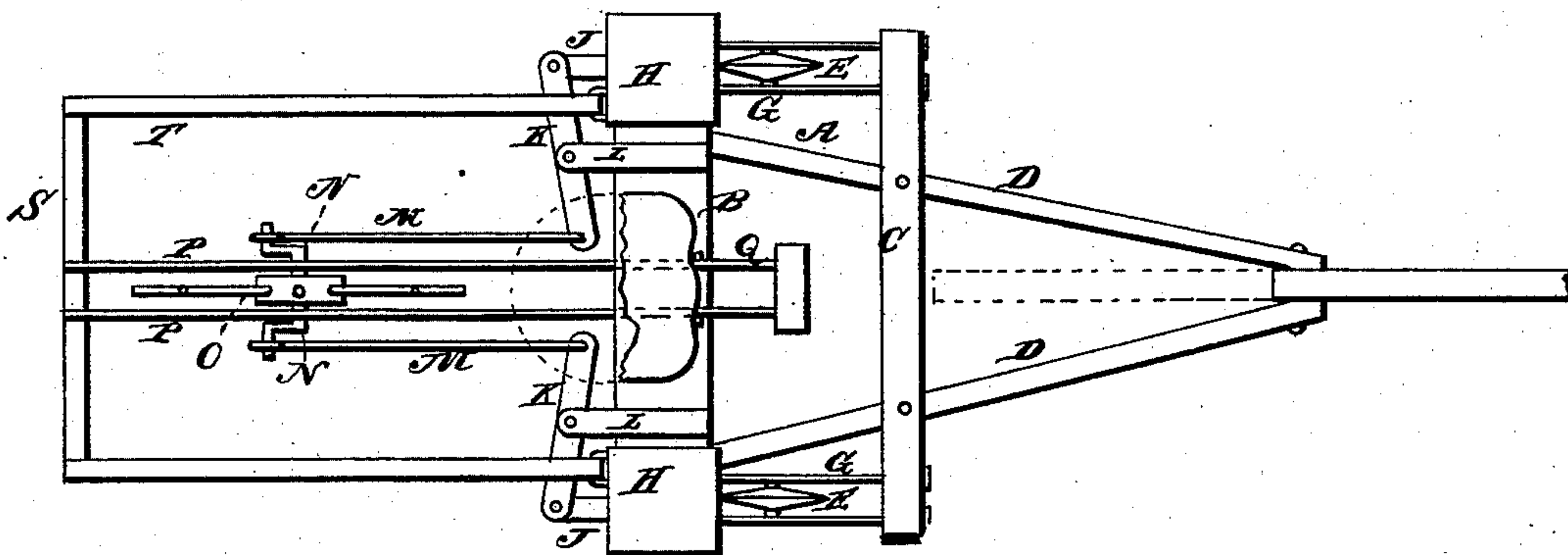
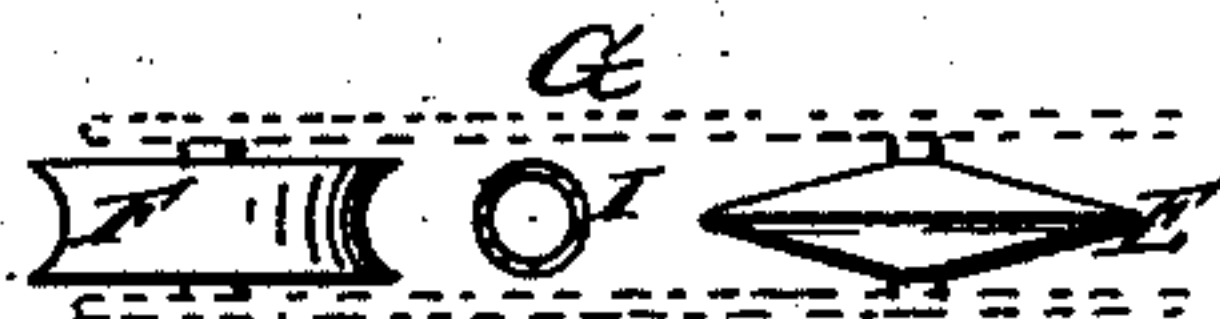


Fig. 3.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JOHN H. NEALE, OF HUMBOLDT, NEBRASKA.

## CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 231,605, dated August 24, 1880.

Application filed March 30, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN H. NEALE, of Humboldt, in the county of Richardson and State of Nebraska, have invented certain new and useful Improvements in Corn-Planters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my corn-planter. Fig. 2 is a plan view of the same, and Fig. 3 is a detail view.

The invention relates to corn-planters; and it consists in the improvements in the construction of the same hereinafter fully described, and particularly pointed out in the claim.

Referring by letter to the drawings, A designates the main frame, composed of the cross-bars B and C and the two side rails, D D, between the forward ends of which the tongue is pivoted, so that it may be turned back between them to economize space in storing the implement. This frame A is supported upon the opening-disks E E and the covering-wheels F F, having their bearings in the sides of frames G G, depending from the bars B C of the frame A, as shown.

The seed-hoppers H H are placed at opposite ends of the bar B, which is provided with the usual discharge-openings, and the discharge-spouts I I come directly in front of the covering-wheels F, which are concave in their edges, in order to fill the dirt in upon the seed after it has been dropped in the furrows made by the opening-disks E.

The mechanism for operating the seed-slides J is as follows: Levers K, connected to the seed-slides J, are pivoted in arms L, extending rearward from the bar C, and connected by

pitman-rods M to the crank-shaft N of a spoked wheel, O, journaled in the arms P of a lever, Q, which is pivoted to the standard R of the driver's seat, and connected at its rear end to the cross-bar S of a frame, T, the side bars of which are hinged to the rear faces of the seed hoppers.

It will be seen that the lever Q can be operated by the driver's foot to throw the hinged frame T upward, which will lift the spoked wheel O from the ground, and thus stop the seed-slides.

The crank-shaft N is constructed to operate the levers K simultaneously.

From the foregoing description the operation of the seed-planter will be obvious.

I am aware that a pronged traction-wheel having bearings in a pivoted frame has been used to operate the seed-slides of a corn-planter, and that said pivoted frame has been provided with cords, wheel, and ratchet, by which it could be raised to throw the traction-wheel out of action, as shown in Patent No. 154,965, of September 15, 1874, and this construction I do not claim.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a corn-planter, the combination of the pivoted foot-lever Q, connected to the cross-bar S of the frame T, hinged to the rear faces of the seed-boxes H H, with the pronged traction-wheel O, crank N, pitmen M M, levers K K, and slides J J, constructed and operating substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN H. NEALE.

Witnesses:

E. A. TUCKER,  
JOSEPH GLASSER.