

W. F. SENTER.  
Corn-Marker.

No. 167,275.

Patented Aug. 31, 1875.

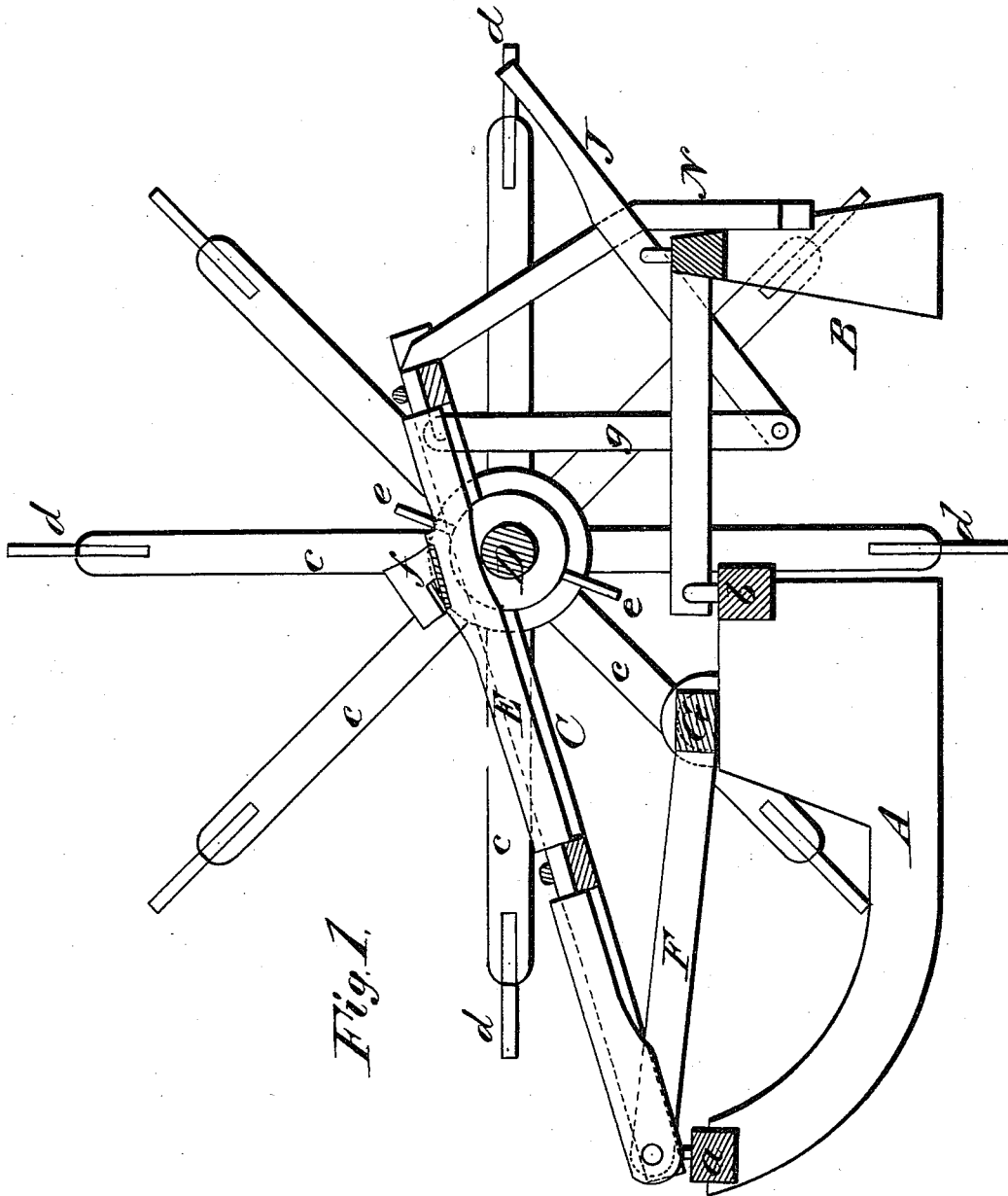


Fig. 1.

WITNESSES  
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*George C. M. M. M.*

INVENTOR  
*William F. Senter,*  
*Shipman & Sumner & Co.*  
ATTORNEYS

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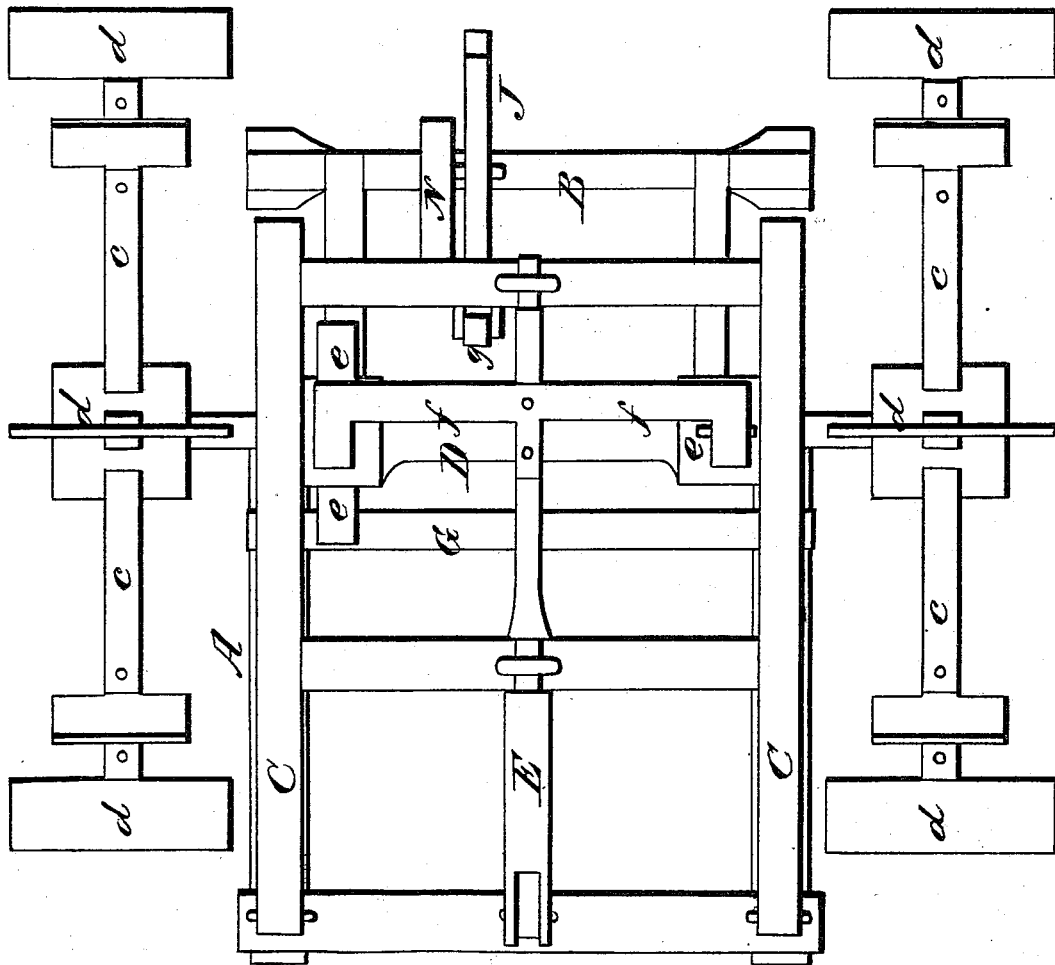


Fig 2

WITNESSES

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# UNITED STATES PATENT OFFICE.

WILLIAM F. SENTER, OF MARSHALL, MISSOURI.

## IMPROVEMENT IN CORN-MARKERS.

Specification forming part of Letters Patent No. **167,275**, dated August 31, 1875; application filed April 17, 1875.

*To all whom it may concern:*

Be it known that I, WILLIAM F. SENTER, of Marshall, in the county of Saline and State of Missouri, have invented a new and valuable Improvement in Corn-Markers; 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 drawing is a representation of a longitudinal vertical section of my corn-marker, and Figure 2 is a plan view of the same.

This invention has relation to marking attachments for corn-planters; and the nature of my invention consists in the combination of revolving markers with a frame, which is pivoted at its front end to the front of a sled, on which the dropping-slide is applied, and to the rear end of which frame is applied a device for enabling the driver to raise or lower it at pleasure, as will be hereinafter explained. The invention further consists in novel means for giving motion to the seed-dropping slide, as will be hereinafter explained.

In the annexed drawings, A designates a sled, which is composed of two runners connected together in front by a cross-bar, *a*, and in rear by a cross-bar, *b*, to which latter a frame, B, is hinged. C designates a rectangular frame, which is suitably pivoted at its front end to the sled-bar *a*, and B designates an axle, which extends across and has its bearings in the frame C, and carries on its ends the marking-wheels. These wheels consist of radial arms *c*, carrying marking-blades *d* on their ends, which, as the machine is drawn along, cut into the soil and leave long marks at regular distances apart. The short blades, which are between the marking-blades *d*, are

designed to keep the wheels rotating regularly. On the axle D of the marking-wheels tappets *e* are applied, which strike the extremities of arms *f f* on a bar, E, and give a lateral rocking motion to this bar. Bar E has its bearings in the frame C, and its front end extends to the front end of the sled A, and has pivoted to it an arm, F. The arm F extends back and is rigidly secured to a slide, G, which extends across the rear part of the sled A, and is designed for dropping the corn from hoppers, which are not shown in the drawings. By these means the slide G receives endwise motion from the axle D of the markers. In practice the axis of motion of the pivotal connection of the bar E to the arm F will coincide with the pivots of the frame C, as shown in Fig. 2. J designates a lever, which has its fulcrum on the frame B, and which is connected by a link, *g*, to the frame C. By depressing the rear end of the lever J the driver can, at any time, raise the marking-wheels free from the ground. When the marking-wheels are raised, they can be held up by adjusting-lever J beneath the lower notched end of a pendant, N.

What I claim as new, and desire to secure by Letters Patent, is—

The vertically-moving frame F, pivoted to the sled A, and carrying marking-wheels, in combination with the axle D, having tappets *e*, oscillating bar E, having arms *f f*, and the sliding bar G, substantially as described, and for the purpose set forth.

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

WILLIAM F. SENTER.

Witnesses:

JOHN HAGGIN,  
DANIEL RUMANS.