J. W. DOOLEY.

Seed-Distributor.

No. 204,301. Patented May 28, 1878.

Fig. 1.

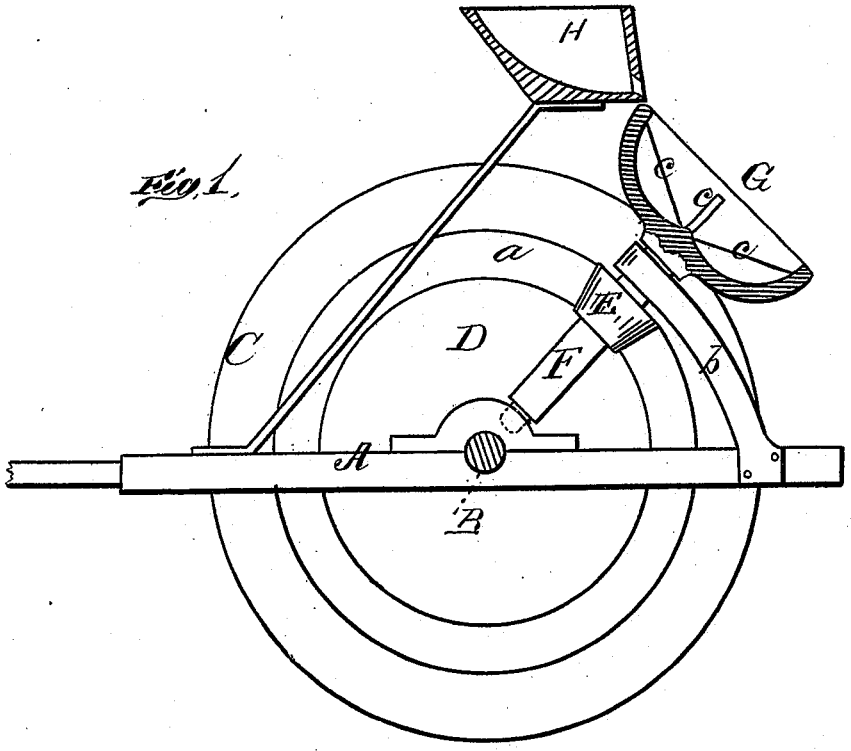
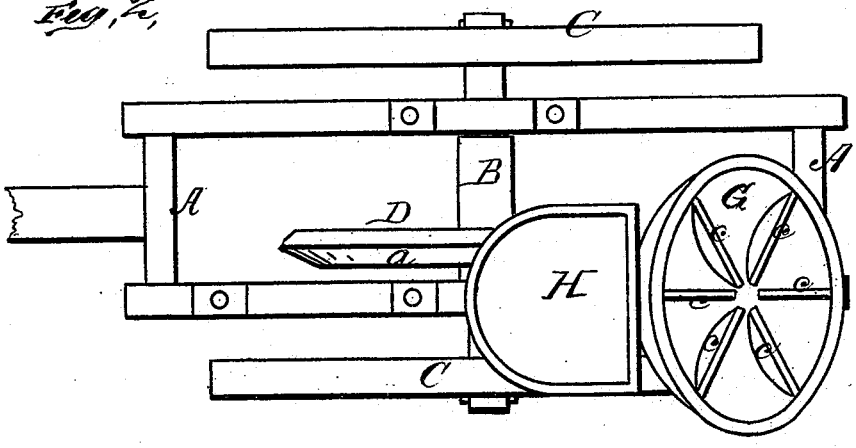


Fig. 2.



WITNESSES

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JOHN W. DOOLEY, OF MIDDLETOWN, CONNECTICUT.

IMPROVEMENT IN SEED-DISTRIBUTERS.

Specification forming part of Letters Patent No. **204,301**, dated May 28, 1878; application filed March 16, 1878.

To all whom it may concern:

Be it known that I, JOHN W. DOOLEY, of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and valuable Improvement in Broadcast Seed-Distributers; 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 longitudinal section of my improved seed-distributer, and Fig. 2 is a top view thereof.

This invention has relation to improvements in machines for sowing seed broadcast; and the nature of the invention consists in combining with a carriage and a hopper mounted thereon a rotating radially-ribbed bowl, secured upon a rearwardly-inclined shaft supported by the said carriage into which the grain falls, and which projects and scatters the grain broadcast by centrifugal force, as will be fully set forth hereinafter.

In the annexed drawings, the letter A designates a rectangular frame, in which the axle B of two transporting-wheels, C, has its bearings. Upon this axle is a large beveled frictional master-wheel, D, having its beveled edge *a* shod with leather, which is in contact with the correspondingly-shod beveled edge of a friction-wheel, E, rigidly secured upon an inclined shaft, F, having one bearing in the frame and the other in a standard, *b*, erected thereon.

The shaft F is at an angle of forty-five degrees to the plane of the frame A. It extends to the rear of the axle, and is provided upon its free end with a bowl, G, having a concave surface at each side of a central boss, and provided with the radial strikers or ribs *c*. Grain falls into this bowl in a continuous stream from a hopper, H, the supply being regulated by a slide of the usual construction, and, as the bowl rotates with great speed is projected therefrom broadcast over the prepared soil in a broad belt.

The hopper is usually provided with a spout to conduct the grain to the sowing-bowl, and the master-wheel locked to the shaft or axle by a clutch device of any well-known effective description.

Having described my invention, I claim as new and desire to secure by Letters Patent—

In a broadcast seed-sower, the combination, with a sulky, its rotating axle B, and a beveled master-wheel, D, secured thereto, of the inclined shaft F, having beveled wheel E and rotating bowl G, with radial ribs *c*, substantially as specified.

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

JOHN W. DOOLEY.

Witnesses:

JOSEPH C. HETSELL,

ELDON B. BIRDSEY.