

J. FREY.
Hand-Seeder.

No. 19,839.

Patented Apr. 6, 1858.

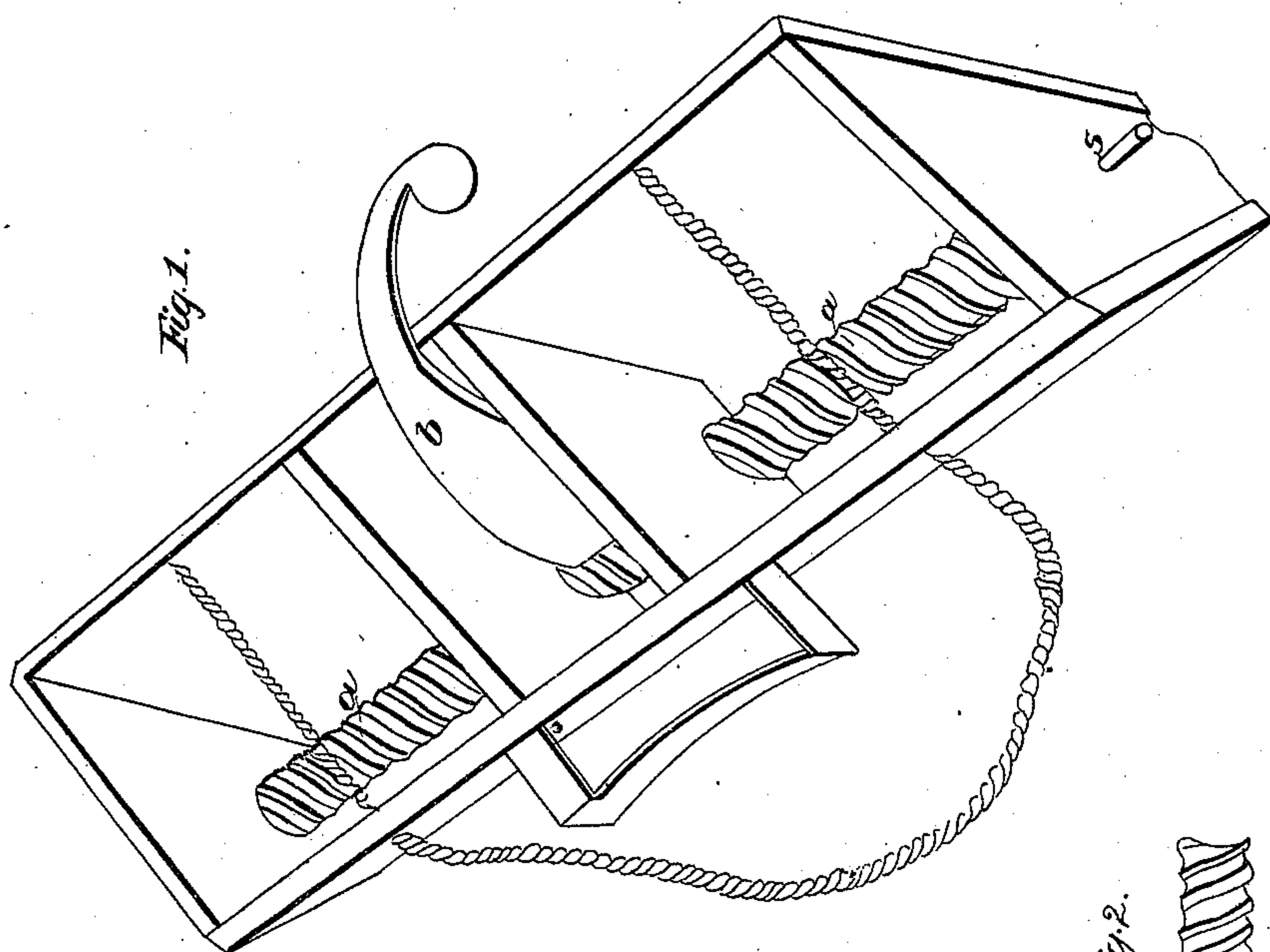
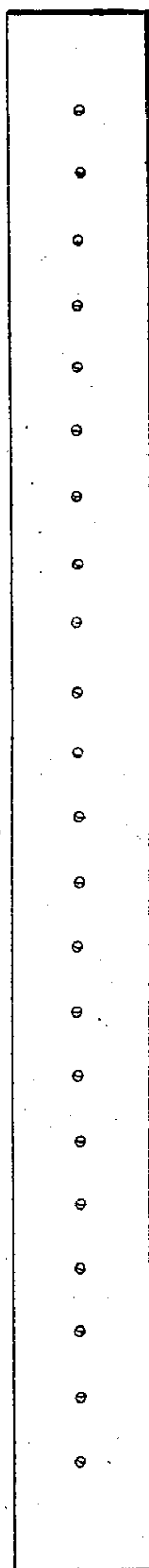


Fig. 2.



Fig. 3.



witnesses:
Samuel F. Greaves
John Machin

Inventor:
Joseph Frey

UNITED STATES PATENT OFFICE.

JOSEPH FREY, OF BATTLE CREEK, MICHIGAN.

IMPROVEMENT IN SEEDING-MACHINES.

Specification forming part of Letters Patent No. **19,839**, dated April 6, 1858.

To all whom it may concern:

Be it known that I, JOSEPH FREY, of the village of Battle Creek, in the county of Calhoun and State of Michigan, have invented a new and useful Machine for Sowing Grass-Seed; 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, in which—

Figure 1 is a perspective view of the machine; Fig. 2, a section of the screw with double thread, coarse and fine alternately; Fig. 3, the perforated bottom of the seed-hopper.

a a represent the screw in bottom of seed-hopper; *b*, oscillating hand-lever attached to screw; *c*, eccentric pivot in the end of the screw, and upon which it oscillates, the screw being so adjusted in the bottom of the seed-hopper

that when the oscillating hand-lever is perpendicular to the plane of the perforated bottom the holes will be closed by the fine threads of the screw, so that every oscillation of the hand-lever forces the seed through the holes.

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

The device of using a screw with double thread, coarse and fine alternately, in the bottom of the seed-hopper, in combination with the oscillating hand-lever and the eccentric pivots, to force the seed through the holes in the perforated bottom of said seed-hopper by means of the compound oscillating motion of the screw.

JOSEPH FREY.

Witnesses:

BENJAMIN F. GRAVES,
JOHN MEACHIM.