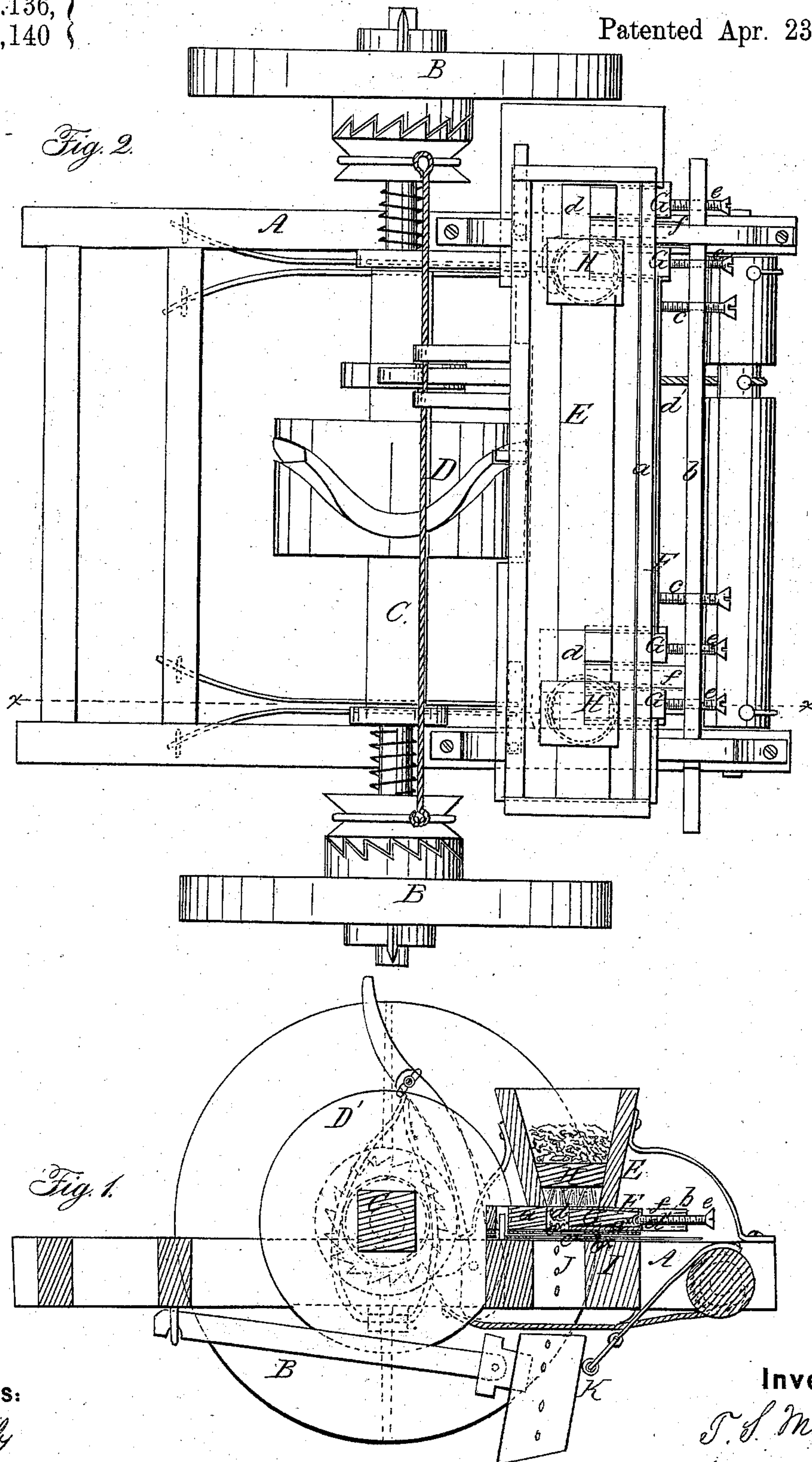


T. S. MILLS.

Corn-Planter.

No. { 1,136, }
32,140 }

Patented Apr. 23, 1861



Witnesses:

J. W. Corbin
R. S. Spencer

Inventor:

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UNITED STATES PATENT OFFICE.

T. S. MILLS, OF IBERIA, OHIO.

IMPROVEMENT IN SEEDING-MACHINES.

Specification forming part of Letters Patent No. 32,140, dated April 23, 1861.

To all whom it may concern:

Be it known that I, T. S. MILLS, of Iberia, in the county of Morrow and State of Ohio, have invented a new and Improved Seeding-Machine; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side sectional view of my invention, taken in the line *x x*, Fig. 2; Fig. 2, a plan or top view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to an improved seed-ing-machine of that class which are designed for sowing various kinds of seed.

The object of the invention is to obtain a seed-distributing device which may be readily adjusted, so as to be capable of sowing different kinds of seed, and in greater or less quantities, as may be required.

The invention consists in constructing a seed-slide of two parts connected together and provided with adjustable supplemental slides arranged, as hereinafter described, to effect the desired result.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a rectangular frame, which is mounted on two wheels, B B, the axle C of which has a serpentine or zigzag cam, D, upon it.

E is a seed box or hopper, which is placed on the back part of the frame A, and extends its whole width, and F is a slide which is placed beneath the seed box or hopper, and has a reciprocating movement given it by the cam D. The slide F is formed of two longitudinal parts, *a b*. The part *a* is beneath the seed-box, and forms the bottom thereof, and the part *b* is at the back of the seed-box, and is connected to the part *a* by screws *c c*, which pass transversely through the part *a*, and have their inner ends fitted within a metal strip, *d'*, which is secured to the back of the part *a*. This forms what may be termed a "swivel-connection," and it will be seen that by turning the screws *c c* the part *b* may be adjusted nearer to or farther from the part *a*, as may be desired. The part *a* of the slide has two

rectangular notches or recesses, *d d*, made in it, one near each end, and in each recess there are placed two supplemental slides, G G, which are fitted transversely in the part *a* of the slide, and are moved or adjusted therein by screws *e*, one screw being connected to each slide, and all the screws passing through the part *b* of the slide. (See Fig. 2.) The part *b* of the slide has two arms, *f f*, attached to it, one near each end, and these arms pass into the recesses *d d* and serve as guides for the slides G G at their inner sides or edges, the outer sides or edges of the slides being fitted in the edges of the recesses *d d*.

From the above description it will be seen that by adjusting the part *b* of the slide farther in or out from the part *a* the slides G G will also be moved correspondently in the recesses *d d*, and said recesses may therefore be enlarged or contracted, as may be desired. These recesses are discharge-openings for the seed, the seed being distributed in the usual way, cut-off brushes H being employed in the seed box or hopper, below which brushes the recesses work back and forth. The seed-slide F works on a transverse bar, I, in the frame, said bar having a hole, J, made through it near each end, through which the seed passes into conveying-spouts K, and beneath the slide F, between it and the bar I, there are placed two plates, *a* b**, perforated near each end with holes *c**. By adjusting the plates *a* b** the capacity of the holes *c** may be raised as required.

In sowing small seed the slides G G are all drawn out to their fullest extent, or as far as may be necessary, the movement of the slide F carrying the recesses *d d* at one side under the cut-off brushes H, and emptying them while the opposite sides are filling with seed. In planting seed in hills considerable distance apart, one slide G of each recess *d* is closed; but if the hills are to be quite close together both slides G are opened, for each slide, it will be seen, may be adjusted independently of the other. This arrangement, it will be seen, admits of a very ready adjustment of the seed-slide to plant seed in greater or less quantities, and the parts are few and very simply arranged, so that they are not liable to get out of repair.

Having thus described my invention, what I

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

Constructing the seed-slide F of two parts, *a b*, one part, *b*, being adjustable by means of the screws *c c*, and provided with slides G, which are fitted in recesses *d d* in the part *a*, and also arranged so as to be capable of a

separate or independent adjustment in the recesses *d d* by means of the screws *e e*, substantially as and for the purpose set forth.

T. S. MILLS.

Witnesses:

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