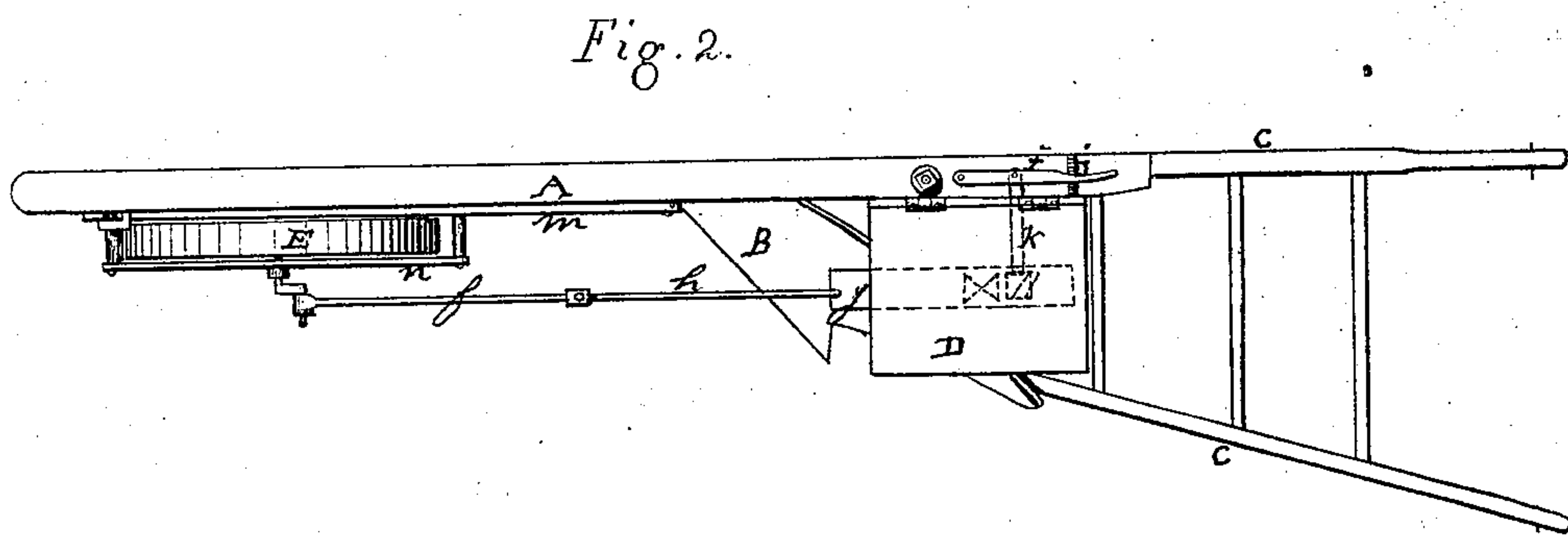
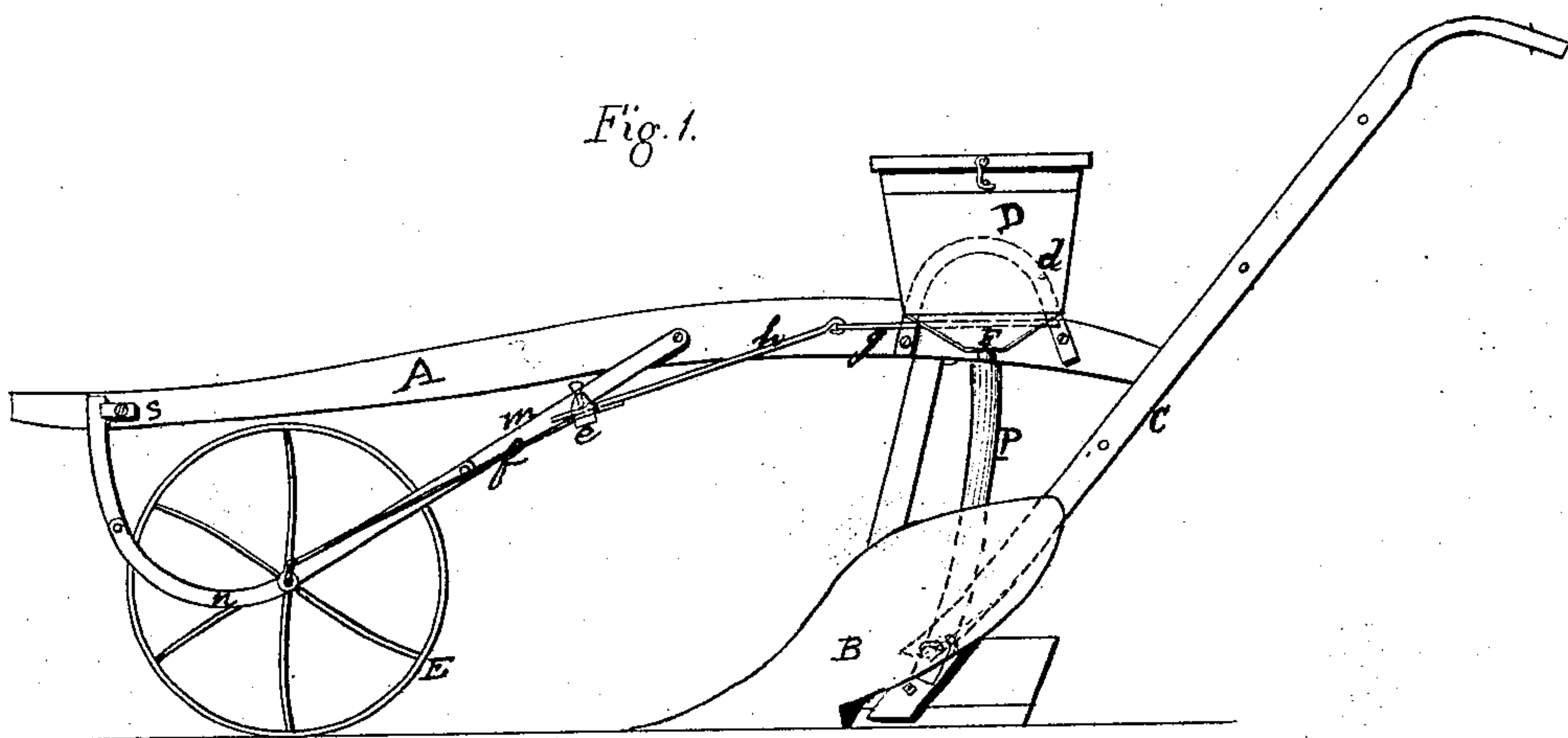


S. Stow,
Seed Drill.
No. 95,535. Patented Oct. 5. 1869.



Witnesses
H. A. Miller
John A. Ellis

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United States Patent Office.

S. STOW, OF EAST ENTERPRISE, INDIANA.

Letters Patent No. 95,535, dated October 5, 1869.

IMPROVEMENT IN SEED-DRILLS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, S. STOW, of East Enterprise, in the county of Switzerland, and State of Indiana, have invented certain new and useful Improvements in Seed-Drills; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 represents a side view of my invention.

Figure 2 is a plan view of the same.

The nature of my invention consists in constructing a seed-box and operating the same by means of certain devices hereinafter set forth.

A, in the annexed drawings, represents the plow-beam.

B is the plow-share, connected to handles C C, in the ordinary way.

D designates the seed-box, which is secured to the inner side of the plow-beam A, by a semicircular metal strap, *d*.

Under seed-box D is fastened the hopper-shaped receiver F, which has an opening at its opposite ends, to admit of the play of slide *g*, the said slide operating directly beneath the bottom of seed-box D.

To the outer end of slide *g*, is hooked the rod *h*, which enters, at its opposite end, into the adjustable metal-block *e*, the hole through *e* being made sufficiently large to receive the end of a second rod, *f*, which connects with the crank of the driving-wheel.

m and *n* represent two curved metal straps, on which the axle of wheel E has its bearing.

The said axle terminates at one end with a crank, to which the rod *f* is adjusted, as above described.

The strap *m*, it will be observed, is pivoted to the plow-beam at its inner end, while its outer end is allowed to play beneath the button *s*.

By this arrangement, the driving-wheel E can be elevated or lowered at pleasure.

I represents a lever, the front end of which is piv-

oted to the upper surface of the plow-beam, and the rear end resting on the bar *j*, which is secured to the seed-box.

k is a thin metal strap, pivoted to lever I, at a right angle, and then entering a slot between the bottom of seed-box D and the top of hopper F.

The design of the strap *k* is to regulate the size of the opening in seed-box D, through which the seed is discharged.

In operating my machine, it will be observed that the motion of slide *g* is governed by the size of driving-wheel E, and that the slide can have but one backward-and-forward movement at each single revolution of wheel E, so that in planting seed at any required distance apart, the circumference of the driving-wheel must measure precisely the aforesaid distance.

The tube P, it will be seen, conveys the seed to the furrows.

Having thus described my invention,

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

1. The straps *m* and *n*, in combination with wheel E, when constructed and arranged as and for the purpose described.

2. The straps *m* and *n*, in combination with wheel E, rods *f* and *h*, adjustable block *e*, and slide *g*, the whole constructed and arranged substantially as specified.

3. The plow A, in combination with seed-box D, slide *g*, seed-stop *k*, lever I, rest *j*, rods *f* and *h*, adjustable block *e*, wheel E, and straps *m* and *n*, the whole being arranged as and for the purpose substantially as described.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

S. STOW.

Witnesses:

B. F. SCHENCK,

T. H. DOWNEY.