

T. Nevison Jr.

Hoe Seed-Dropper.

N^o 76235

Patented Mar. 3, 1868.

Fig. 1.

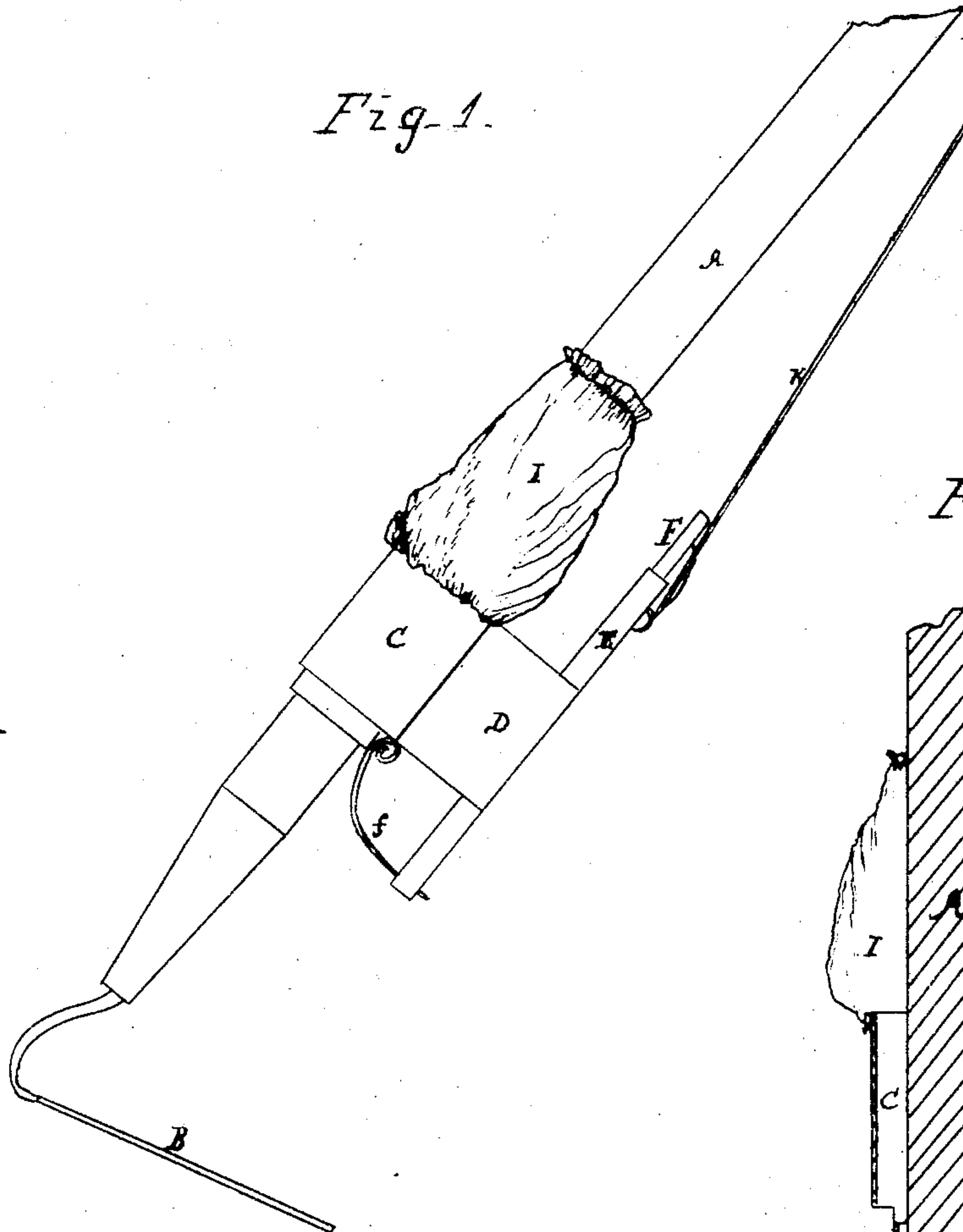


Fig. 2.

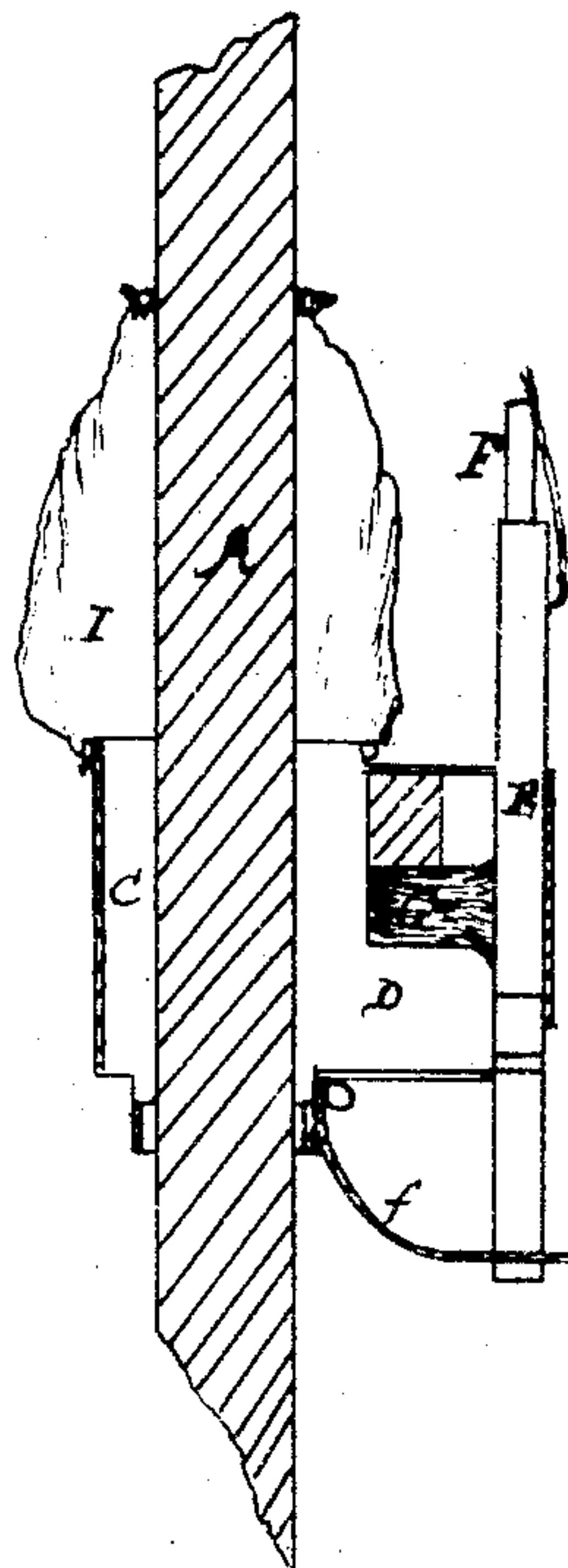
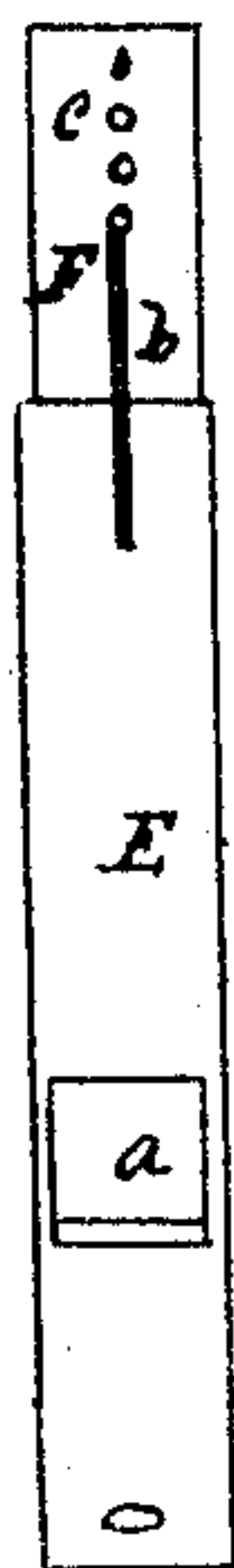


Fig. 3.



Witnesses.

J. H. Burridge
J. H. Oliver

Inventor

T. Nevison

United States Patent Office.

THOMAS NEVISON, JR., OF MORGAN, OHIO.

Letters Patent No. 76,235, dated March 31, 1868.

IMPROVEMENT IN HOE SEED-DROPPER.

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, THOMAS NEVISON, Jr., of Morgan, in the county of Ashtabula, and State of Ohio, have invented certain new and useful Improvements in Hoe Seed-Dropper; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view of the planter.

Figure 2 is a vertical section.

Figure 3 is a detached section.

Like letters of reference refer to like parts in the views.

In fig. 1, A represents a hoe-handle, and B the hoe, which is of the ordinary description. Surrounding and fixed to the handle is a sleeve or shell, C, to which is attached a chamber, D. In the end of this chamber is fitted a slide, E, fig. 3. This slide consists of a sleeve, in which is fitted a gauge-block, F, said block being made to close the square opening *a*, cut through the sleeve, as shown in fig. 3. G, fig. 2, is a brush, so arranged that, as the slide E moves in and out of the chamber, it will brush upon it and over the opening *a*, for a purpose hereafter shown. *f* is a spring, one end of which is fixed to the chamber, and the other inserted in the end of the slide, as shown in the drawing. I is a sack, surrounding the handle. The lower end of said sack encloses the end of the shell C, whereas the other end is attached to and gathered in around the handle, and thereto secured.

The practical operation of this machine is as follows: The seed-corn is put into the sack, from which it passes into and fills the chamber and shell C D. Now, at the will of the operator, who holds the hoe in the position shown in fig. 1, the grain is dropped through the opening *a*, on pulling the slide E upward, by means of the string K, to which it is attached, and held in the hand, which is again brought back by the spring *f*. This movement of the slide draws it from over the opening in the chamber D, and the grain drops through into the hill, the number of grains to the hill being regulated by the block F being pushed into the slide or sleeve, so as to close the opening in the sleeve, more or less, thus increasing or lessening its holding-capacity. More grain than the opening in the slide will hold is prevented from passing out, by the brush G, above referred to, which, as the slide or sleeve is drawn upward, brushes over the hole, and thus prevents a surplus of grain from passing through. It also keeps the opening free from an accumulation of dust and waste, and thereby prevents any obstruction to the passing out of the grain.

The catch *b* holds the gauge-block F in any position necessary for the number of grains to be dropped, the distance of the holes *c* from each other regulating the number.

This machine is certain in its operation, dropping equally each time the regulated amount of seed, simple in construction, and easy to handle, and can be applied to any hoe in common use, and removed from the same when not needed for planting.

This machine is applicable to the planting of other seeds than corn, by regulating the holding-capacity of the opening in the manner as above described.

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

The sack I, chamber D, attached to the hoe-handle A, in combination with the sleeve E, gauge-block F, brush G, and spring *f*, substantially as and for the purpose set forth.

THOMAS NEVISON, JR.

Witnesses:

W. H. BURRIDGE.

J. HOLMES.