

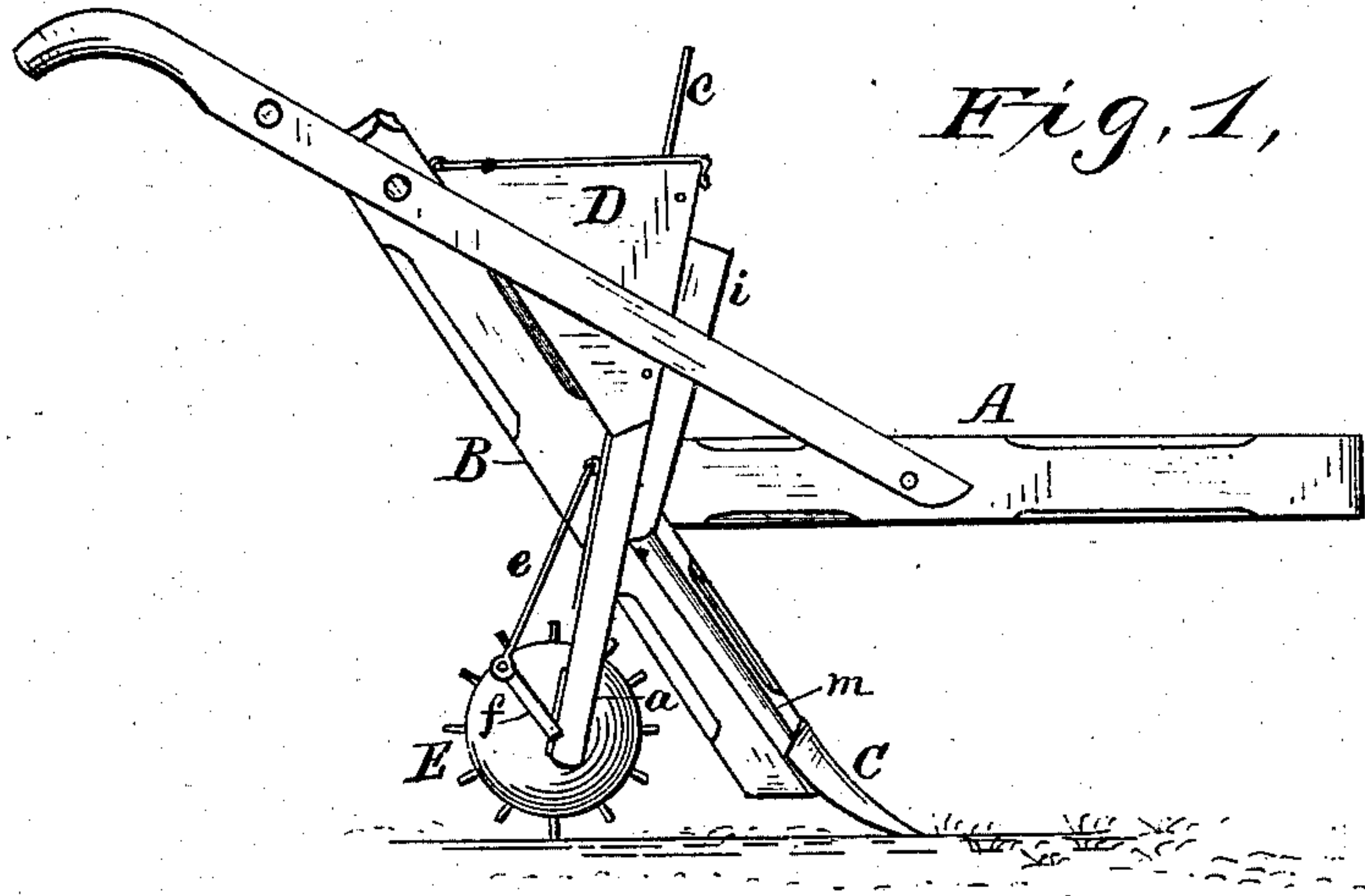
(No Model.)

W. L. HUTSON.

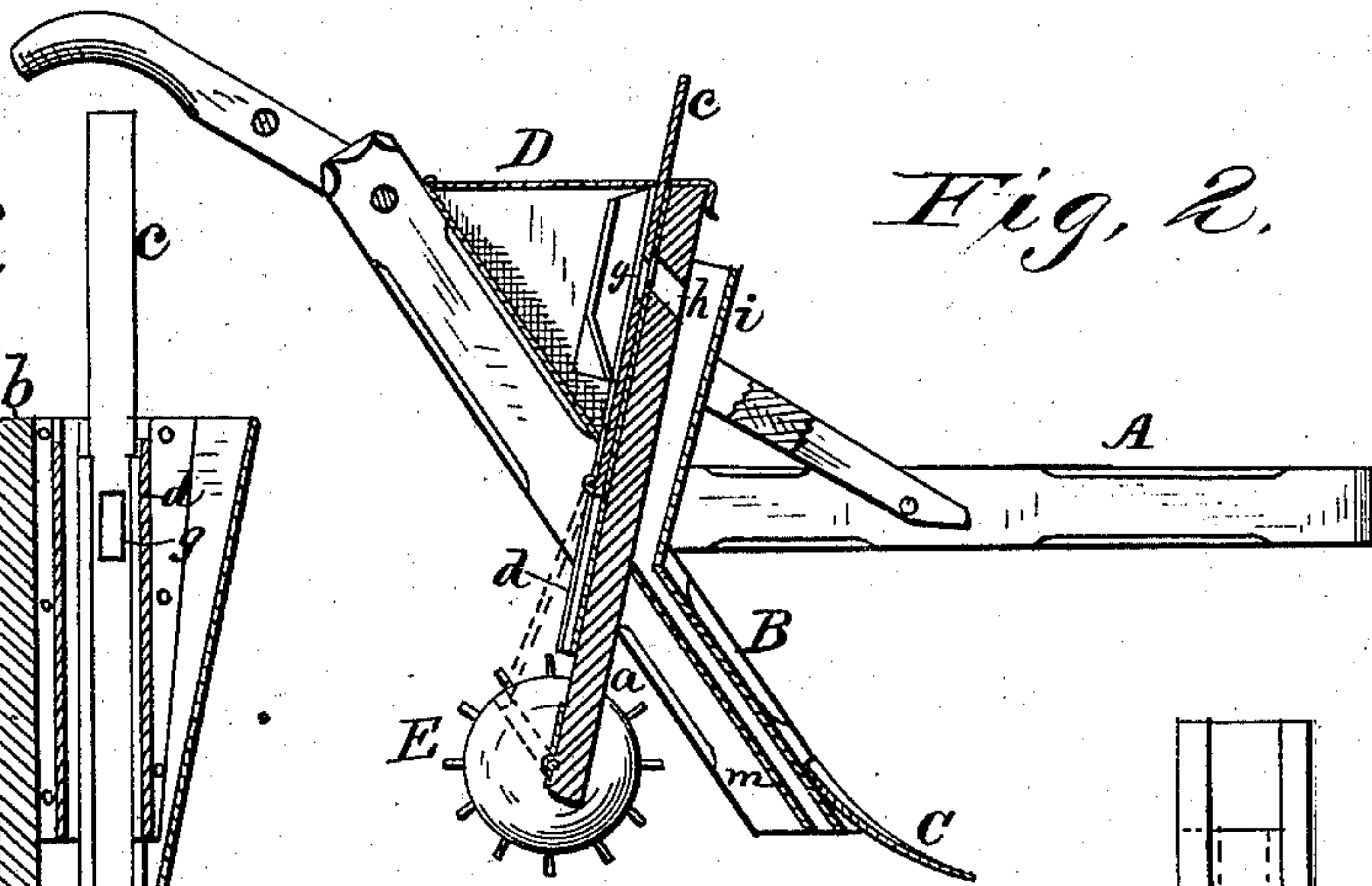
CORN PLANTER.

No. 255,630.

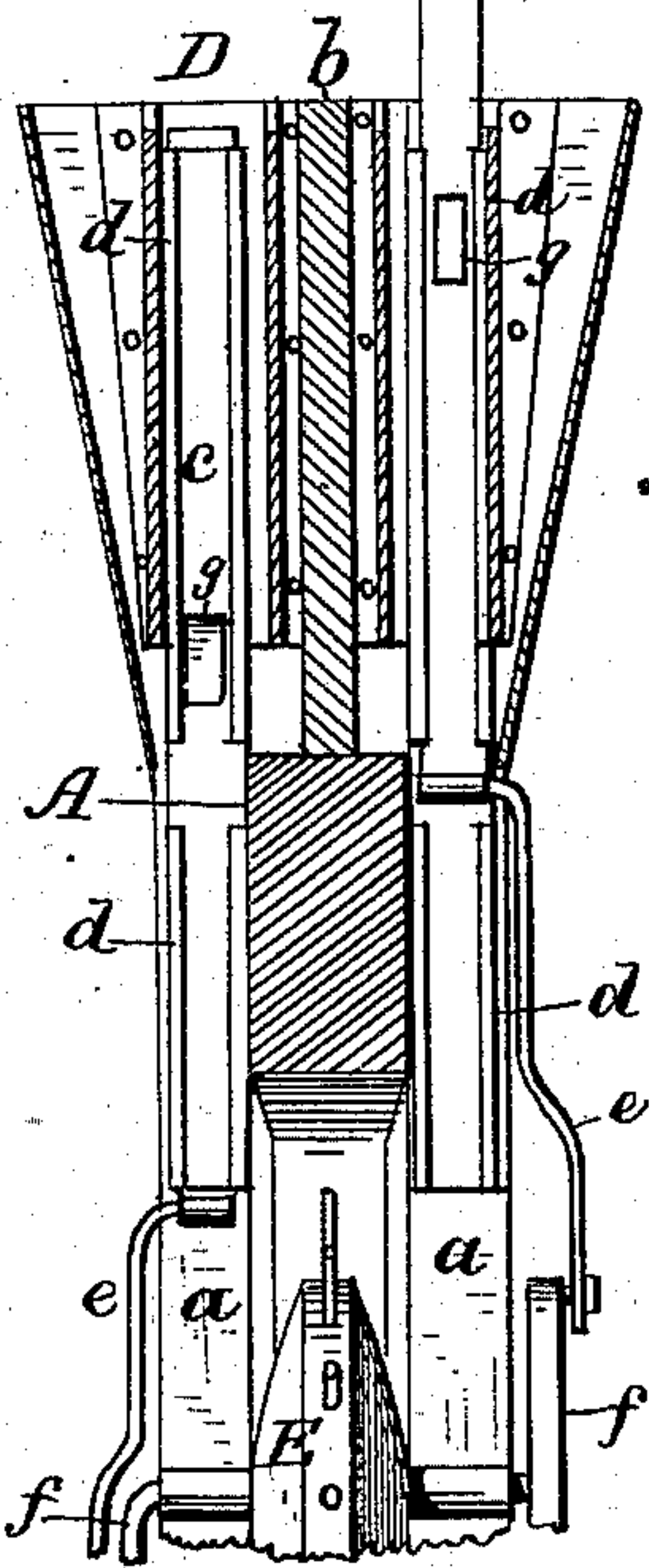
Patented Mar. 28, 1882.



*Fig. 1,*

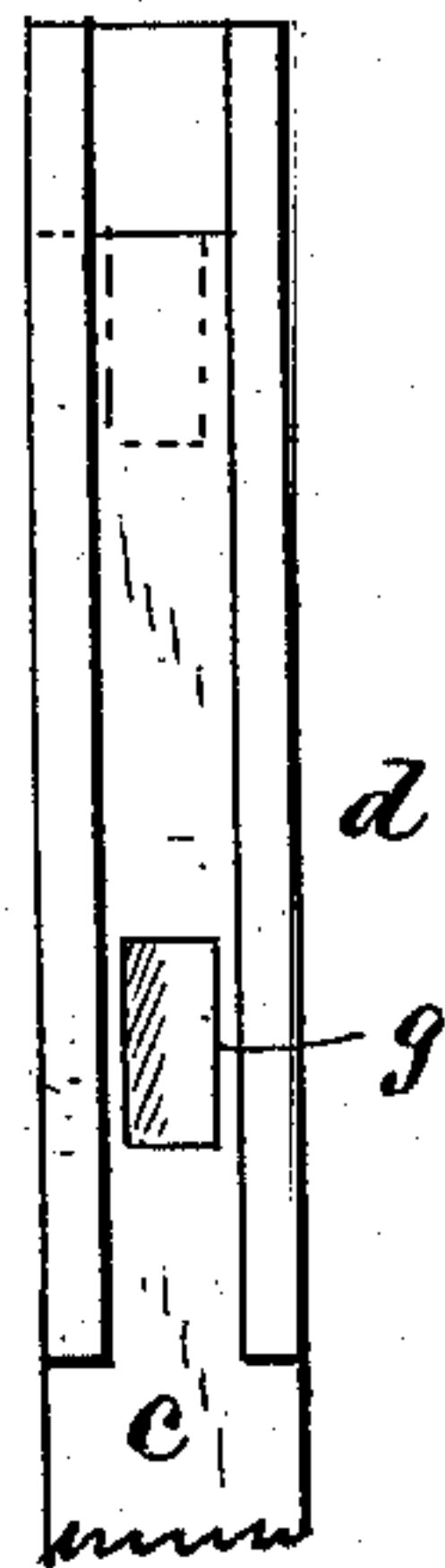


*Fig. 2.*



*Fig. 3,*

*Fig. 4,*



*Witnesses:*  
*P. L. Curran*  
*W. A. Craig*

*Inventor:*  
*Wm L Hutson*  
*By H. J. Ennis*  
*att'y.*



# UNITED STATES PATENT OFFICE.

WILLIAM L. HUTSON, OF ST. LAWRENCE, NORTH CAROLINA.

## CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 255,630, dated March 28, 1882.

Application filed December 7, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM L. HUTSON, a citizen of the United States of America, residing at St. Lawrence, in the county of Chat-  
5 ham and State of North Carolina, have invented certain new and useful Improvements in Corn-Planters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable  
10 others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

15 This invention relates to corn-planters and seed-dropping machines; and it consists in certain improvements in the construction of the same, as hereinafter shown and described.

In the accompanying drawings, Figure 1  
20 represents a side elevation of the invention applied to an ordinary plow. Fig. 2 is a side elevation, partly in section. Fig. 3 is a partial rear view, showing the hopper in section. Fig. 4 is a detached view of certain details of  
25 the elevator and its guides.

A designates the beam of a plow, having a standard, B, with the share or shovel C attached in the ordinary manner. The hopper D is usually fixed in position above the plow-  
30 beam and between the handles, the front part having downward extensions *a* on both sides of the beam to sustain the sliding elevators and to form bearings for the axle of the driving-wheel, as shown in the drawings.

35 The hopper is divided into two compartments by the partition *b*, each compartment having an elevator, *c*, therein, which slides in guides *d*, fixed within the hopper to the front part thereof and to the extensions *a*.  
40 Each of said elevators passes through a slot or corresponding aperture in the bottom of the hopper and is coupled at its lower extremity by a rod, *e*, with a crank, *f*, on the shaft or axle of the driving-wheel E. The two  
45 cranks *f* are fixed to the axle of the wheel to extend in opposite directions, so that when one is turned upward the other is turned downward, and the elevators are alternately raised and lowered as the wheel revolves.

50 An aperture, *g*, is made through each elevator at a proper point, so that when the elevator in operation reaches its lowest point the said aperture is at the bottom of the hop-

per and when the elevator reaches its highest point the aperture *g* is opposite to and adjoining another aperture, *h*, in the front part of  
55 the hopper. Thus when an elevator has made its downward stroke the aperture *g* is at the bottom of the hopper and seeds falling into the aperture are raised by the elevator to the  
60 aperture *h*, through which they fall into a conductor, *i*, in front of the hopper.

The conductor *i* leads to a spout, *m*, which passes down on one side of beam and along  
65 the standard, so as to deposit the seed just back of the plowshare, where it is immediately covered by the soil falling back in the furrow.

The planter is well adapted for sowing corn, pease, beans, and other seeds, and may be applied to any form of plow. The hopper having  
70 two receptacles, as shown, two different kinds of seed may be sown at the same time, or one compartment may be used for seed and the other for guano or other fertilizer.

In planting rows of corn, &c., the distance  
75 between seed-deposits is regulated by the size of the driving-wheel used. The construction described enables a single person to accomplish a large amount of work with the employment of a single horse. When sowing corn  
80 and other seed or guano at the same time, the cranks *f* may be so adjusted as to drop guano or the other seed midway between the deposits of corn.

I am aware that nearly vertical moving seed-  
85 slides on wheels with cranks are not new. Therefore I do not wish to be understood as claiming them broadly.

I claim—

In that class of seed-planters having nearly  
90 vertical reciprocating seed-slides moving in grooved ways, the hopper having inclined apertures *h*, slides or elevators *c*, having inclined apertures *g*, working in separate divisions of the hopper, in combination with the  
95 double-cranked axle, on which the spiked operating-wheel is secured to revolve, thus imparting motion to the seed-slides, substantially as shown and described.

In testimony whereof I affix my signature  
100 in presence of two witnesses.

WILLIAM L. HUTSON.

Witnesses:

JAMES P. SMITH,  
GEO. KIRKMAN.