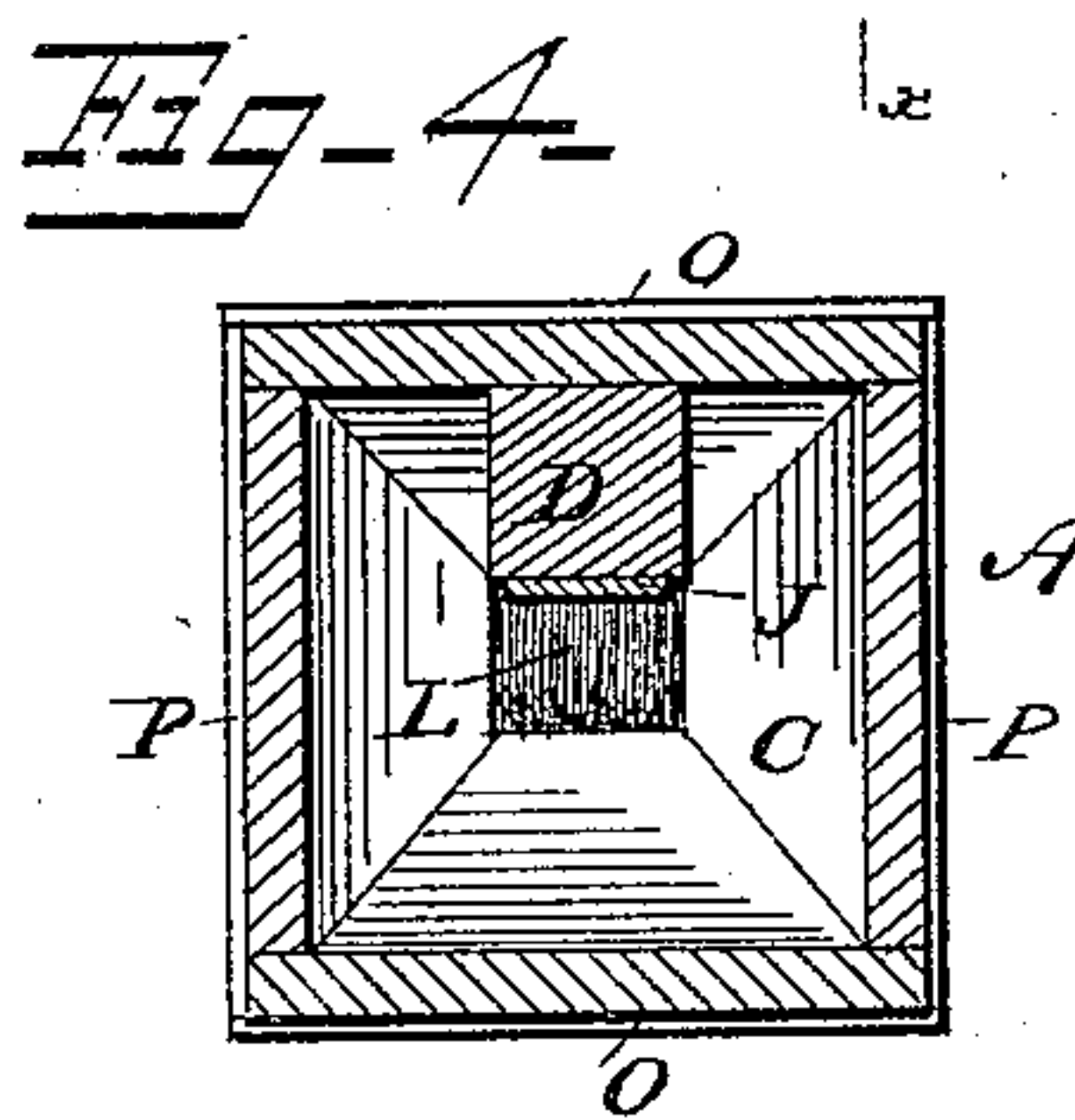
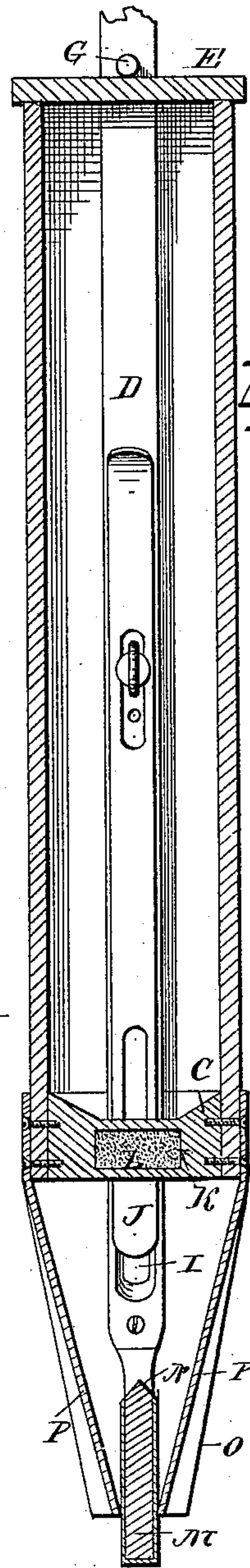
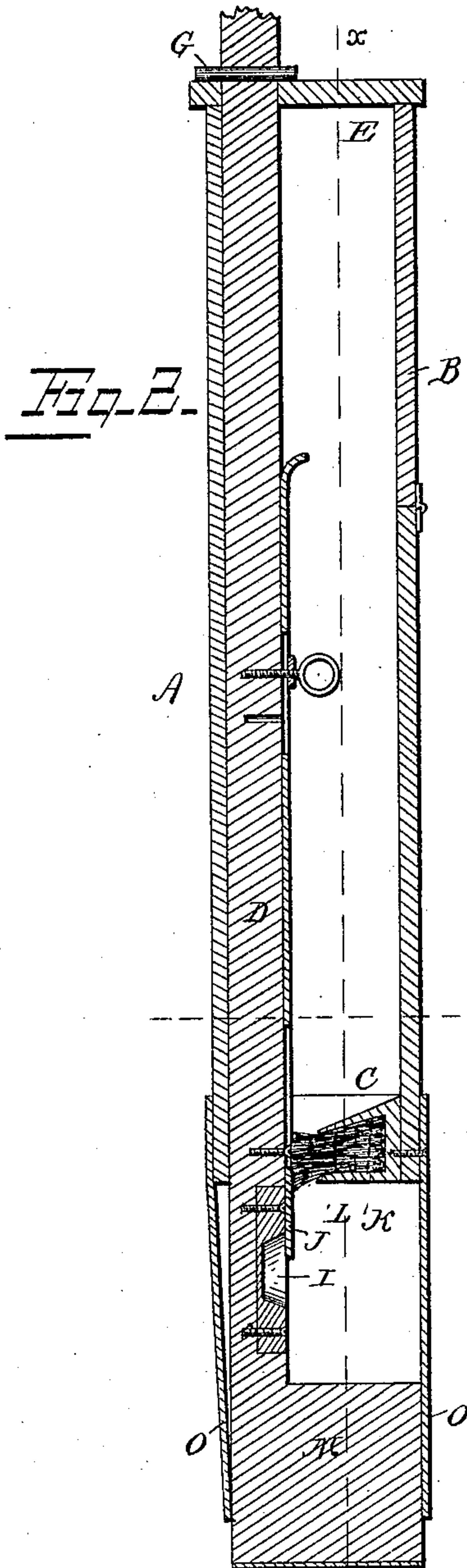
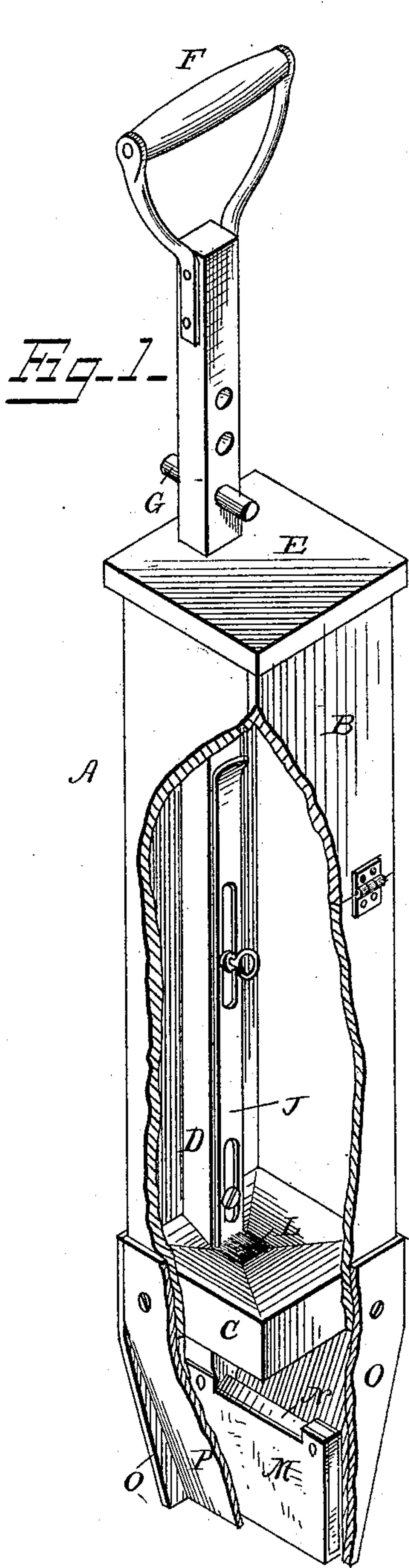


(No Model.)

M. RECORDS.
HAND CORN PLANTER.

No. 287,162.

Patented Oct. 23, 1883.



WITNESSES
F. L. Curand,
Reed Sittell

M. Records
INVENTOR
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Attorneys.

UNITED STATES PATENT OFFICE.

MORTIMER RECORDS, OF FOREST, DELAWARE.

HAND CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 287,162, dated October 23, 1883.

Application filed April 28, 1883. (No model.)

To all whom it may concern:

Be it known that I, MORTIMER RECORDS, a citizen of the United States, residing at Forest, in the county of New Castle and State of Delaware, have invented a new and useful Hand Corn-Planter, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to hand corn-planters; and it consists in certain improvements in the construction of the same, having for their object to produce a more simple and inexpensive and at the same time fully as useful and effective a machine as those now in general use.

To this end my invention consists in the improved construction and arrangement of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a perspective view of my improved hand corn-planter with parts broken away for the purpose of showing the construction. Fig. 2 is a vertical sectional view. Fig. 3 is a vertical section on the line *x x* in Fig. 2, and Fig. 4 is a horizontal sectional view.

The same letters refer to the same parts in all the figures.

A in the drawings designates the box or casing of my improved planter, which consists, simply, of a suitably-sized rectangular box, one side of which is provided, near the upper end, with a hinged door, B, through which the box, which also serves as a hopper, may be filled with seed.

C is the bottom of the box, the upper side of which is dished toward the center, so as to feed or guide the seed toward the slide D, which is fitted to move vertically in the box closely adjoining the rear side of the same. The bottom C and top E of the box are provided with openings for the passage of the slide, which extends some distance through the top, and is provided with a suitable handle, F, by means of which it may be readily manipulated. The upper end of the slide is also provided, above the top of the box, with a transverse cross-piece or pin, G, vertically adjustable in any one of a series of transverse perforations, H, in the slide, which said pin serves as a stop to regulate the extent to which

the slide may move in a downward direction, and consequently the depth of planting, as will presently more fully appear.

The sliding stem D is provided with an opening, I, which forms the seed-cup, and the capacity of which may be regulated by a slide, J, vertically adjustable upon the side of stem D by means of screws working in slots in said slide and extending over the seed-cup, which may thus be partially covered. Bottom C of the box is provided, in the side adjoining the seed-slide, with a recess, K, in which is secured a bunch of bristles, L, forming the cut-off brush. The lower end of the slide-stem is provided with a plate, M, extending transversely under the entire width of the bottom of the box. This plate, which forms the plunger, is shod with metal, and its upper side is beveled, as at N, in order to prevent the seed from lodging upon it. Said plate also serves, by striking the under side of the bottom, to limit the movement of the slide in an upward direction.

O O are metallic plates, forming guards, secured to the front and rear ends of the box, adjoining the plunger, and elastic jaws P, formed of plates of spring-steel, are secured to the sides, between the guards.

The operation of the invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. When the slide is raised to its full extent, the seed-cup is above the bottom, thus permitting the seed to pass into and fill the said cup, or as much of it as is exposed by the slide J. When the plunger is lowered, the seed will drop from the seed-cup onto the beveled upper edge of the plunger, which deflects it into the space between the jaws. When the operation is repeated, the plunger forces the seed contained in the space between the jaws out between the latter, which are opened by the pressure of the plunger, and into the ground, where a hole is formed by the opening of the jaws. The extent to which the plunger may be lowered will be determined by the transverse pin or stop G.

I claim and desire to secure by Letters Patent of the United States—

1. In a hand corn-planter, the combination of the seed-box, the vertically-movable seed-

slide, and the plunger at the lower end of the latter, extending transversely under the entire width of the bottom of the box, as set forth.

2. As an improvement in hand corn-plant-
5 ters, the combination of the seed-box, the bottom of the same being dished or hopper-shaped, and provided with a recess and a cut-off brush located in the same, the vertically-sliding stem having the seed-cup and adjusting-
10 slide, the adjustable transverse pin to regulate the movement of the seed-slide, the plunger at the lower end of the latter, extending transversely under the entire width of the bottom,

having beveled top side, the guard secured to the front and rear ends of the box, and the 15 elastic jaws arranged between the said guards, all substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 20 presence of two witnesses.

MORTIMER RECORDS.

Witnesses:

EDWARD G. SIGGERS,
J. R. LITTELL.