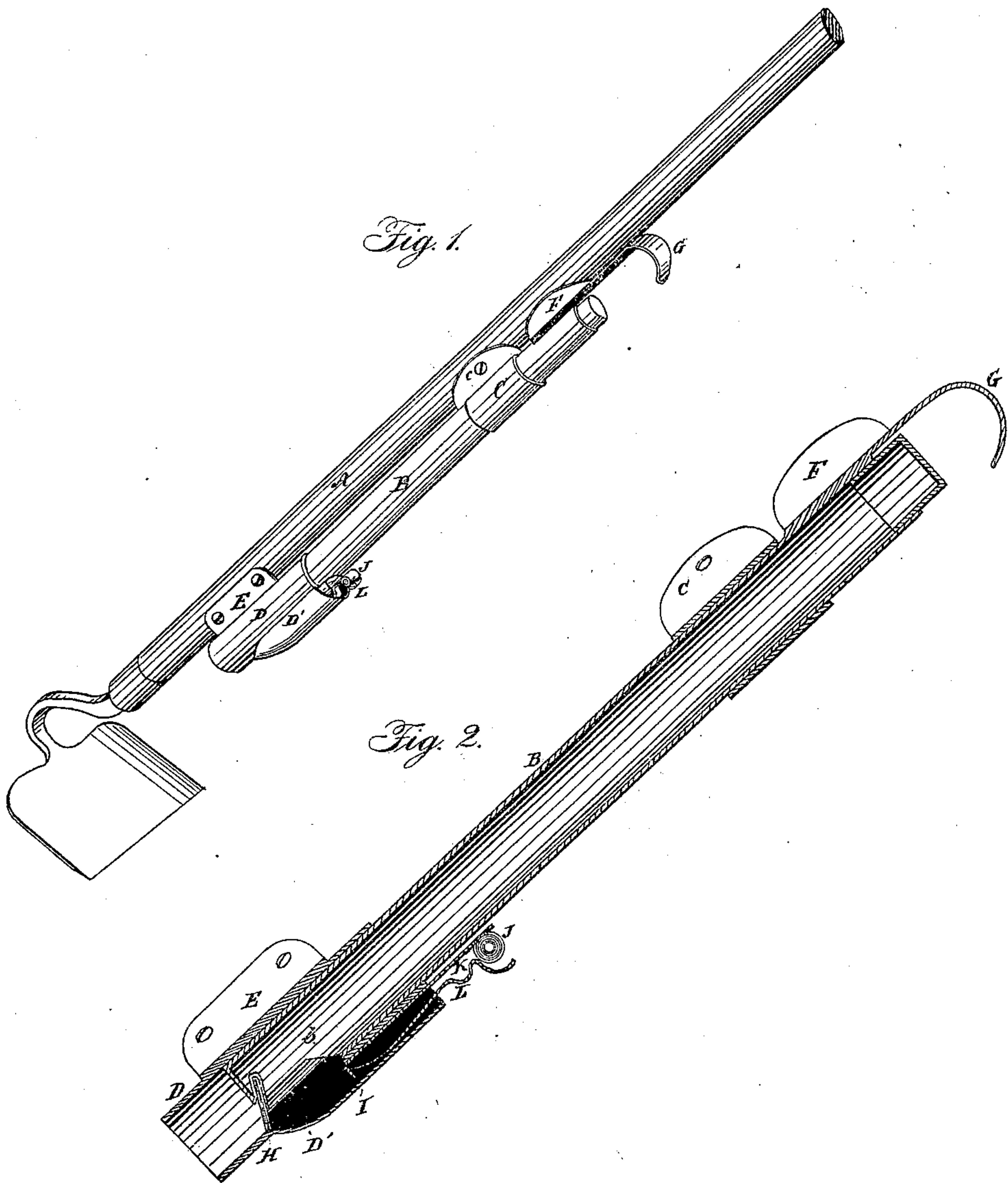


COTTON & STAPLES.

Hand-Seeder.

No. 68,607.

Patented Sept. 10, 1867.



Witnesses:

Frank Millward
Samuel Wright

Inventor:

C. W. Cotton
C. L. S. Staples
By Knight Bros
Attys

United States Patent Office.

CHARLES W. COTTON AND EDMOND L. STAPLES, OF CINCINNATI, OHIO.

Letters Patent No. 68,607, dated September 10, 1867.

IMPROVEMENT IN CORN-DROPPING ATTACHMENT TO HOES.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, C. W. COTTON and E. L. STAPLES, both of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and useful Corn-Dropping Attachment to Hoes; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which are made a part of this specification.

This invention relates to a hoe, to the handle of which is attached a sliding receptacle for corn or other seed which is deposited into the ground in regulated quantities, when desired.

Figure 1 is a perspective view of a hoe with our improved corn-dropping attachment applied.

Figure 2 is an enlarged axial section of the dropping device detached.

In the drawings, A represents a hoe of any suitable construction, and B a cylindrical receptacle for the grain, the receptacle being attached to the handle of the hoe by means of the metallic band C and screws *c*. The lower end of the receptacle B enters the tube D, which is fastened to the hoe-handle by means of a plate, E, which may be soldered to the tube D, and screwed to the handle. F is a curved plate, which is soldered, or otherwise secured to the receptacle, near its upper end, and which serves to guide and give steadiness to said receptacle as it is moved up and down upon the hoe-handle by means of the finger-piece or trigger G. D' is a recess or pocket, which is formed on the exterior of the tube D, and into which a quantity of grain is discharged from receptacle B, through the opening *b*, every time said receptacle is depressed. The latter carries at its lower end a brush, H, whose function is to sweep the superfluous grain from the pocket D' while B is ascending. The effective capacity of the pocket D' is determined by the adjustable gauge I, whose position is varied by means of the thumb-piece J and slide K. The gauge I and its appendages are held in any position in which they may be set, by means of the spring L.

In operation, a quantum of corn is deposited, when desired, by raising the receptacle B. Suppose the parts to be in the relative position represented in fig. 2, and the pocket D' filled with grain in consequence of its free communication with receptacle B; the elevation of B will then cause the brush H to sweep upward the surplus, and the remainder of the grain in the pocket falls down through the open end of D on to the ground. The descent of receptacle B supplies pocket D', and its elevation empties it, as above described. As the receptacle is thus elevated and depressed it is guided in position parallel with the hoe-handle by the tube D and band C, in which it plays.

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

1. A seeding attachment to a hoe, consisting of a sliding receptacle or hopper, B, pocket D', and brush H, substantially as described and represented.

2. The combination of the hoe A, receptacle or hopper B, tube D, brush H, pocket D', adjustable gauge I, and spring L, all arranged and operating in the manner and for the purpose specified.

In testimony of which invention we hereunto set our hands.

CHARLES W. COTTON,
EDMOND L. STAPLES.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.