

J. C. MOLTRIP.
Fertilizer-Dropper.

No. 200,837.

Patented March 5, 1878.

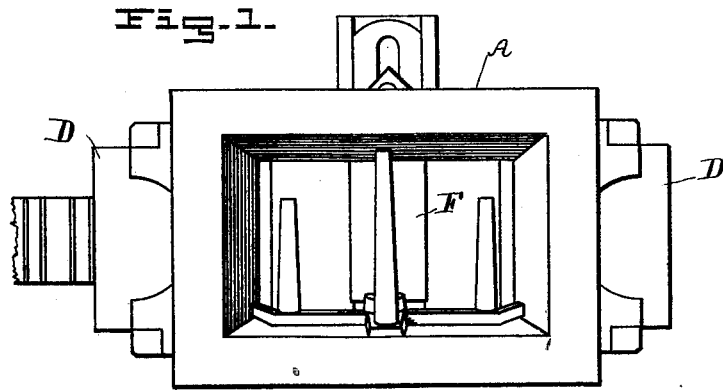


Fig. 2.

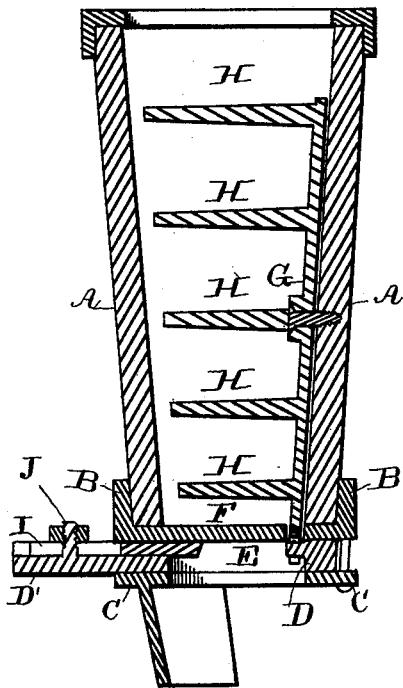
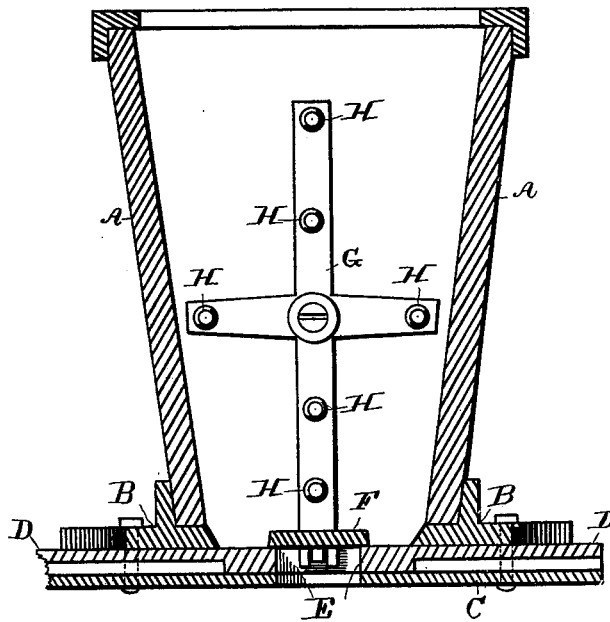


Fig. 3.



INVENTORS:

J. C. Moltrip.

PER

H. A. Abbott

ATTORNEY.

WITNESSES:

H. B. Brown
Albin H. Long

UNITED STATES PATENT OFFICE.

JAMES C. MOLTRIP, OF PERRYSVILLE, OHIO, ASSIGNOR OF TWO-THIRDS HIS RIGHT TO WM. A. MCCOOL AND F. P. GROSSCUP, OF SAME PLACE.

IMPROVEMENT IN FERTILIZER-DROPPERS.

Specification forming part of Letters Patent No. **200,837**, dated March 5, 1878; application filed August 1, 1877.

To all whom it may concern:

Be it known that I, J. C. MOLTRIP, of Perrysville, in the county of Ashland and State of Ohio, have invented certain new and useful Improvements in Fertilizer-Droppers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain improvements in plaster-droppers; and the invention consists in providing a hopper of suitable construction with a stirrer and adjustable valve, to be secured to a corn-planter, and operated by suitable mechanisms receiving motion from the corn-planter, which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction, arrangement, and operation, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a top view with the cover removed. Fig. 2 is a transverse central section, and Fig. 3 is a vertical longitudinal section.

A represents the hopper, provided at the bottom with a base, B. Secured to the base in any suitable manner is a bottom plate, C. Between this plate and the base B is arranged a slide, D, having a valve, E. The base B has a plate, extending nearly across the hollow of the hopper.

In the hopper is pivoted a stirrer, G, having arms H. The stirrer is connected with the slide D at the bottom, as shown in Figs. 2 and 3, in order that it may receive motion

therefrom. The slide is also provided with an extension, D', upon which is arranged a cut-off, consisting of a slotted slide, I, held in place by a set-screw, J, or other suitable device. This slide I is to regulate the amount of fertilizer dropped at each movement of the slide D.

The hopper is placed on a corn-planter in front or behind the corn-hopper, and the slide D connecting with its operating mechanism in any suitable manner, so as to receive a reciprocating movement and drop the plaster in each hill with the corn.

The contents of the hopper are by the stirrer G agitated to prevent any clogging or stopping up of the valve.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a plaster-dropper, the combination of the hopper A, base B, slide-valve D, cut-off I, and bottom plate C with the centrally-pivoted stirrer G, having arms H, and connected with the slide D, as shown, for the purpose set forth.

2. The hopper A, base B, having transverse plate F, slide-valve D, bottom plate C, and cut-off I, secured to the slide-extension D', as shown, all combined and operating substantially in the manner and for the purpose set forth.

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

JAS. C. MOLTRIP.

Witnesses:

S. C. PARKER,
BEN S. GROSSCUP.