(No Model.)

D. B. T. WALTON.

Fertilizer Dropper.

No. 229,504. Patented June 29, 1880.

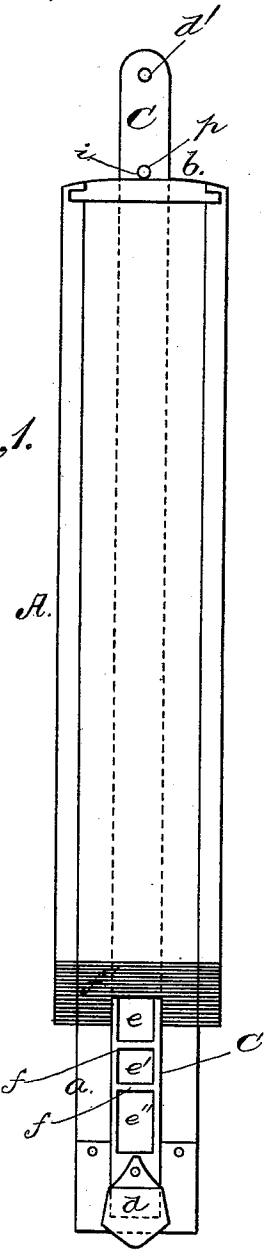


Fig. 1.

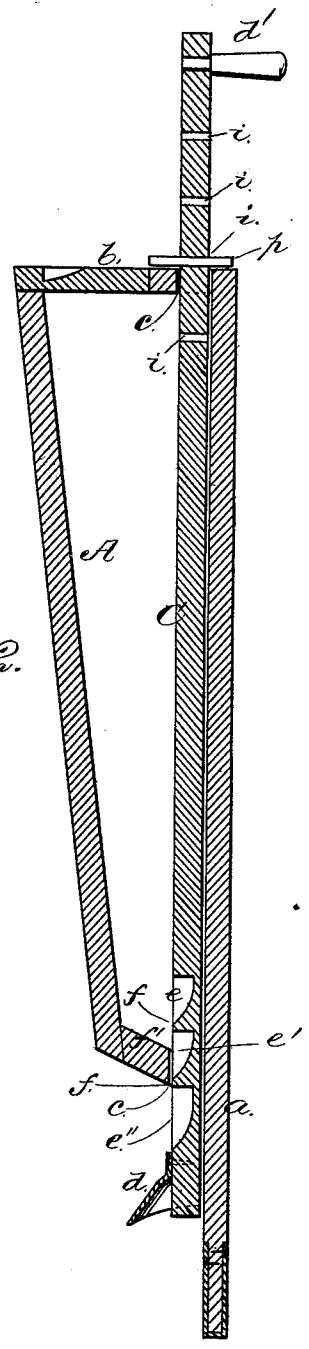


Fig. 2.

WITNESSES

Villette Anderson.

Frank. J. Masi.

INVENTOR

Daniel B. T. Walton.

by C. W. Anderson

his ATTORNEY

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DANIEL B. T. WALTON, OF MILTON, KENTUCKY.

FERTILIZER-DROPPER.

SPECIFICATION forming part of Letters Patent No. 229,504, dated June 29, 1880.

Application filed May 15, 1880. (No model.)

To all whom it may concern:

Be it known that I, DANIEL B. T. WALTON, of Milton, in the county of Trimble and State of Kentucky, have invented a new and valuable Improvement in Fertilizer-Droppers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a front view of my improved fertilizer-dropper, and Fig. 2 is a vertical section thereof.

This invention has relation to improvements in hand fertilizer-droppers; and it consists in a certain novel combination of a receptacle for the fertilizer, a plunger reciprocating through it, and provided with a number of pockets, and with a scattering-shoe at its lower end, and means whereby the reciprocation of the plunger is regulated as to length, so as to regulate the quantity of fertilizer dropped, as will be hereinafter more fully set forth.

In the annexed drawings, the letter A designates an oblong tapering box or receptacle, provided at its lower end with a projecting metal-shod leg, *a*, and a removable sliding lid or top, *b*.

C indicates a reciprocating plunger extending snugly through guide-holes *c* in the bottom of box A, and in the fixed portion of its top, and provided at its lower end outside of the box with an angular inclined shoe, *d*, projecting out therefrom under the bottom of the box, and at its upper end with a manipulating-handle, *d'*. The plunger is rectangular in form, and is provided in its side above the shoe with the recessed pockets *e e' e''*, separated from each other by the walls *f*, which may be equal in thickness to that of the receptacle-bottom *f'*. By reciprocating the plunger the pockets are wholly drawn inside of the box and receive a charge of its contents, and wholly projected therefrom, when the charges drop out of the pockets upon the shoe *d* and are spread over the surface of the hill; but the throw of the plunger may be regulated so as to project one or two only of the pockets by means of a removable pin, *p*, extending through perforations *i* in the plunger, above the top of the box. These perforations are at a distance apart equal to the distances between the partitions *f* of the pockets. When the pin is in the second from the lowest perforation, *i*, the lowest pocket only can be projected; when in the one next above the two lowest are projected, and so on; and when the said pin is inserted in the lowest of these perforations all of the pockets are within the receptacle, and the plunger cannot be reciprocated at all.

Thus it will be seen that by a very simple mechanism the quantity of fertilizer dropped can be regulated at pleasure.

The pockets may be of the same or of different capacities.

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

The combination, with the receptacle A, having leg *a*, of the endwise-movable plunger C, having the inclined angular spreader *d*, the pockets *e e' e''* above said spreader, the perforations *i* above the top of the receptacle, and the removable pin *p*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

DANIEL B. T. WALTON.

Witnesses:
Z. H. TROUT,
J. A. NETHERLAND.