

G. B. Jewett,

Earth Closet.

No. 105803.

Patented July 26. 1870.

Fig. 1.

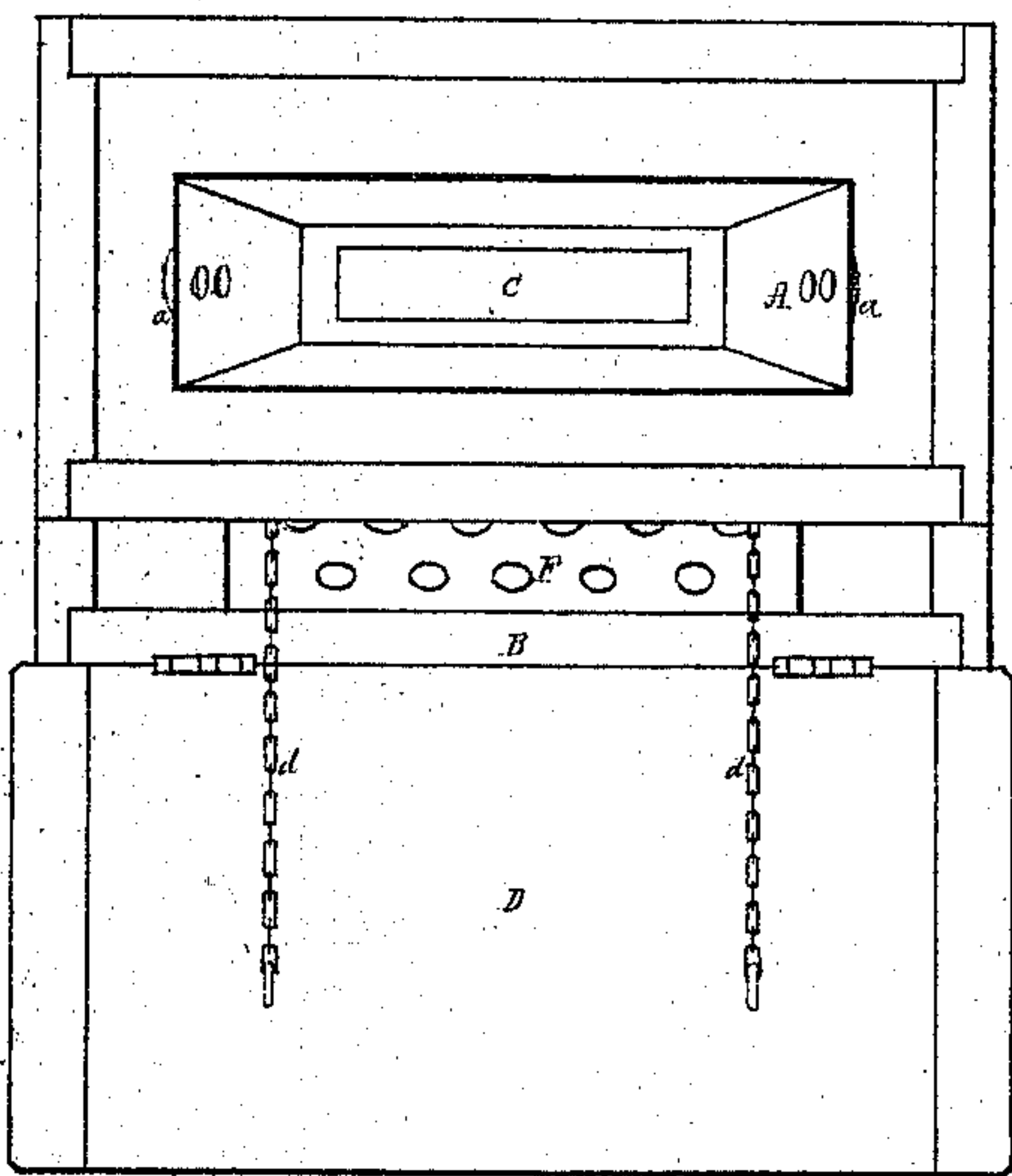


Fig. 4.

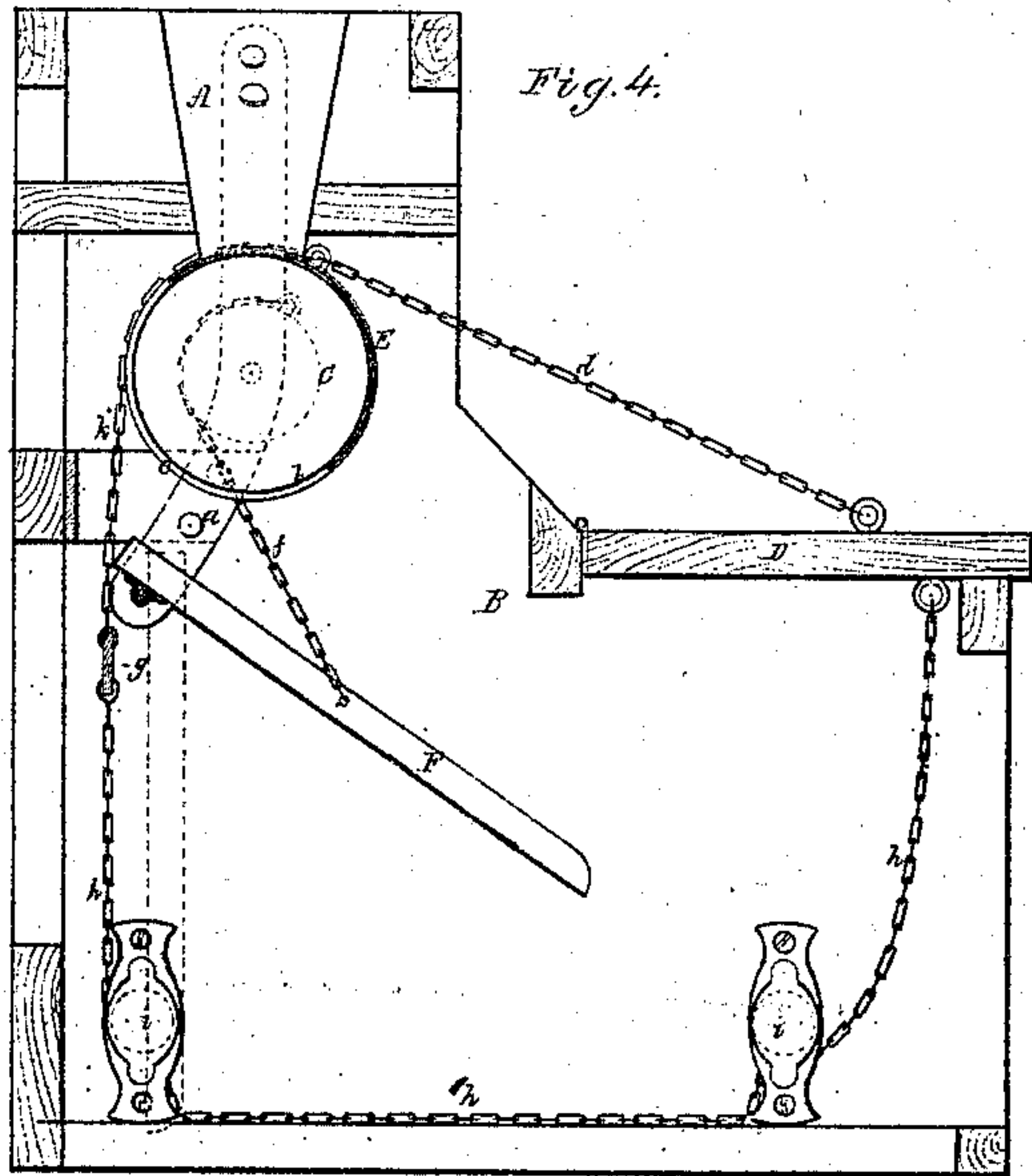


Fig. 3.

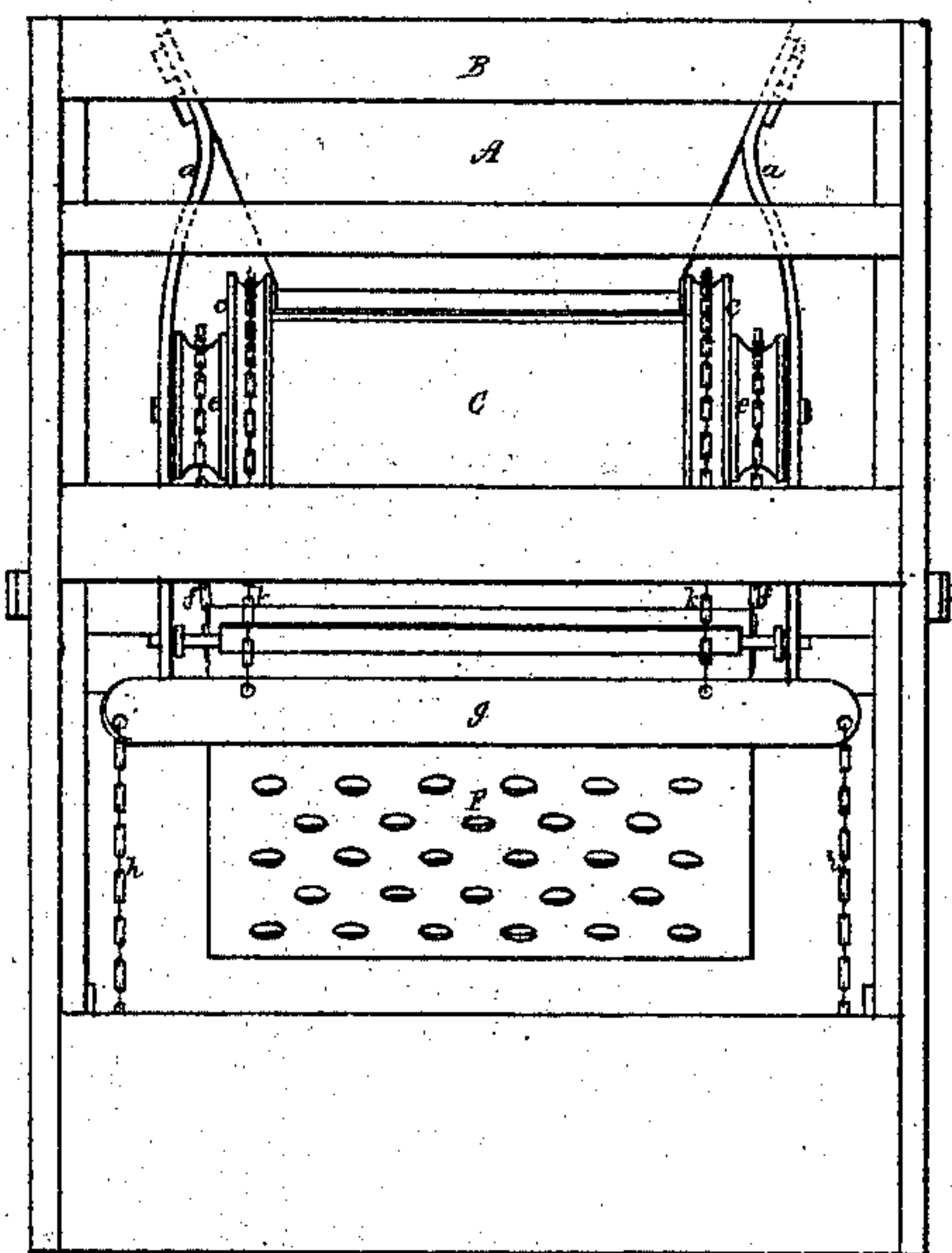
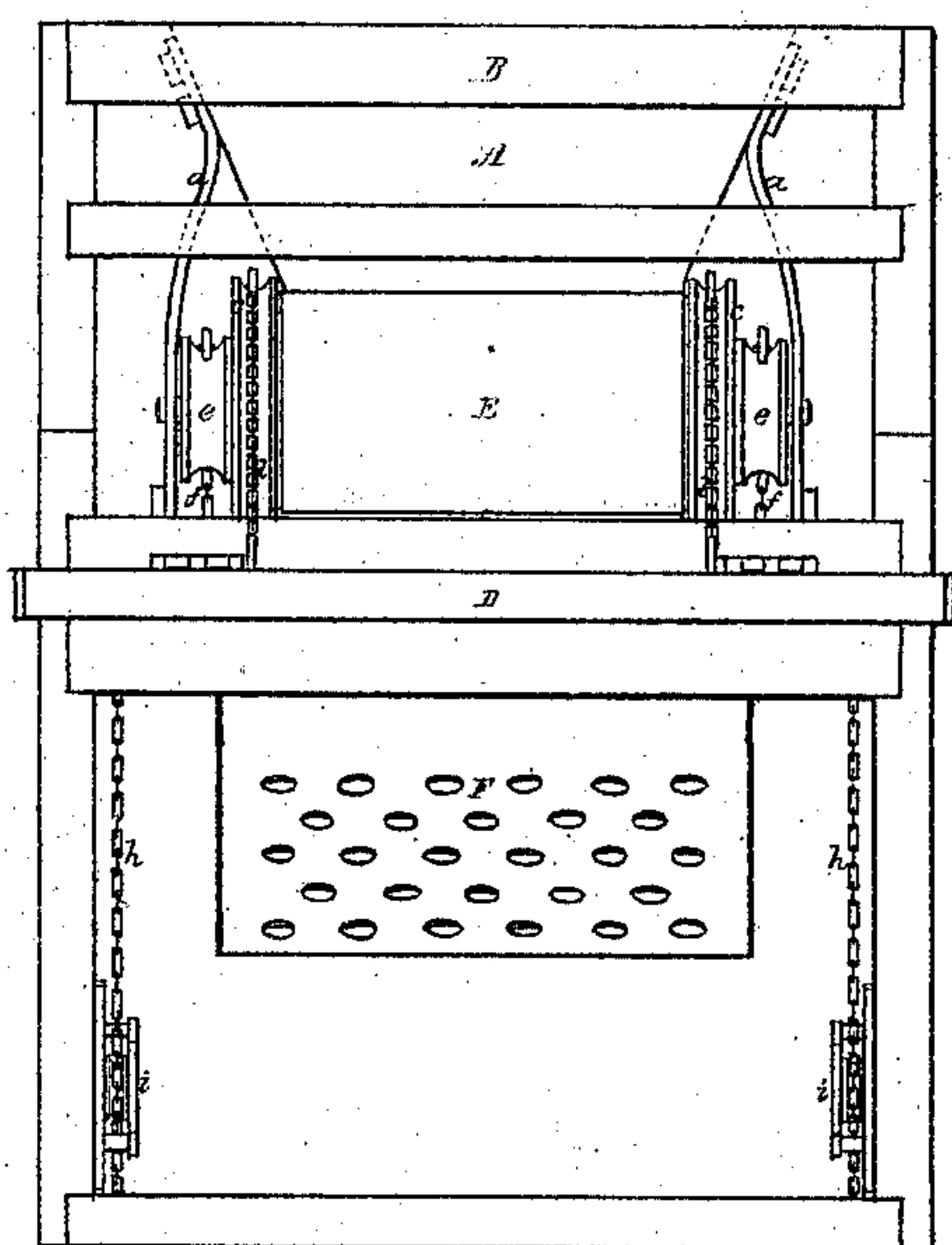


Fig. 2.



Witnesses.

S. N. Piper
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Geo. B. Jewett.

by his attorney
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GEORGE BAKER JEWETT, OF SALEM, MASSACHUSETTS.

Letters Patent No. 105,803, dated July 26, 1870.

IMPROVEMENT IN EARTH-CLOSETS.

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

To all persons to whom these presents may come:

Be it known that I, GEORGE BAKER JEWETT, of Salem, of the county of Essex and State of Massachusetts, have made a new and useful invention, having reference to "Earth-Closets;" and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 denotes a top view;

Figure 2, a front elevation;

Figure 3, a rear elevation; and

Figure 4, a vertical, central, and longitudinal section of an earth-closet, provided with my invention.

Such invention consists, mainly, in the combination of a vibratory chute, and its operative mechanism, with a rotary discharger, and mechanism for operating it, by means of the seat-cover.

In a recent application made by me for a patent for an earth-closet, I have represented a rotary discharger or movable hod-carrier or supporter, and mechanism for operating them by means of the seat-cover, a stationary chute being exhibited as employed below the discharger.

In my present earth-closet I dispense with the movable hod-carrier, and in the place of the stationary chute, I employ a vibratory one, and certain mechanism, as hereinafter explained, or the equivalent thereof, for bringing it from a vertical position, or about so, into an inclined position, as occasion may require, that is, during depression of the seat-cover.

The object of my invention is to advance the chute far enough to effect a proper dispersion of the earth upon the deposited excrement, and also to move the chute back out of the way of being soiled by a person while using the closet.

An earth-closet provided with my invention is applicable to stationary vaults or hods.

In the drawing—

A denotes the hopper, as arranged within the seat-frame B, in the ordinary way, and directly over a cylindrical drum or discharger, C, pivoted at its ends to two standards *a a*, so as to be capable of being freely revolved on its axis.

There is a mouth or opening, *b*, in the side of the drum or discharger, and the heads *c c* of such discharger are grooved or formed as pulleys or wheels, and have fastened to their peripheries two chains, *d d*, which are extended from the cover D of the seat, the latter, viz., the seat, not being represented in the drawing.

From the hopper an apron, E, of sheet metal, projects and extends partially around the drum C, in manner as shown in the drawing, such apron being to pre-

vent the earth from being prematurely discharged from the drum while the latter may be in the act of being revolved, for the purpose of dropping its load upon a chute, F, arranged below the drum or discharger, in manner as represented.

The heads of the rotary dischargers are provided with two other and smaller grooved wheels or pulleys, *e e*, from whose peripheries chains *f f* depend to and are fastened to the chute F, at or near the middles of its opposite sides.

This chute, at or near its upper part, is pivoted to the standards or supports of the journals of the rotary discharger, so as to enable the chute to move from the position shown in full black lines to that indicated by dotted lines in fig. 4.

From the larger pulleys or wheels of the rotary discharger, other chains *k k* extend down to and are fastened to a bar, *g*, arranged across the frame, and having, at or near its ends, other chains *h h* fastened.

Each of the said chains *h h* is carried around two guide-pulleys, *i i*, disposed as represented, and thence is fastened to the seat-cover.

On raising the said cover, the bar *g* will be drawn downward, and, by means of the chains *k k*, will revolve the rotary dischargers, so as to carry its receiving-opening up to the hopper, in order that the discharger may be filled or supplied with earth therefrom. At the same time the chute F will be allowed to fall down into a vertical position, which it will do.

On depressing the seat-cover, the rotary discharger will be revolved, and the chute will be raised into an inclined position, and will receive the load of the discharger, and deposit and distribute it upon or over any excrement or urinal matters that may have been deposited in the vault or hod by an individual during the period of raising and lowering the seat-cover.

It will be observed that the lower half of the chute has numerous holes or perforations made through it, for the better distribution of the earth.

I claim—

The combination of the vibratory chute and its operative mechanism with the seat, and the hopper or mechanism for dropping the earth upon the chute, as set forth, such chute being to operate in manner and for the purpose as described.

Also, the arrangement and combination of the bar *g*, with its two sets of chains, *k k h h*, the seat-cover and the rotary discharger, arranged with the hopper, as explained.

GEO. B. JEWETT.

Witnesses:

R. H. EDDY,
J. R. SNOW.