

P. S. Luther.
Earth Closet.

N^o 91,855. Patented Jun. 29, 1869.

Fig. 2.

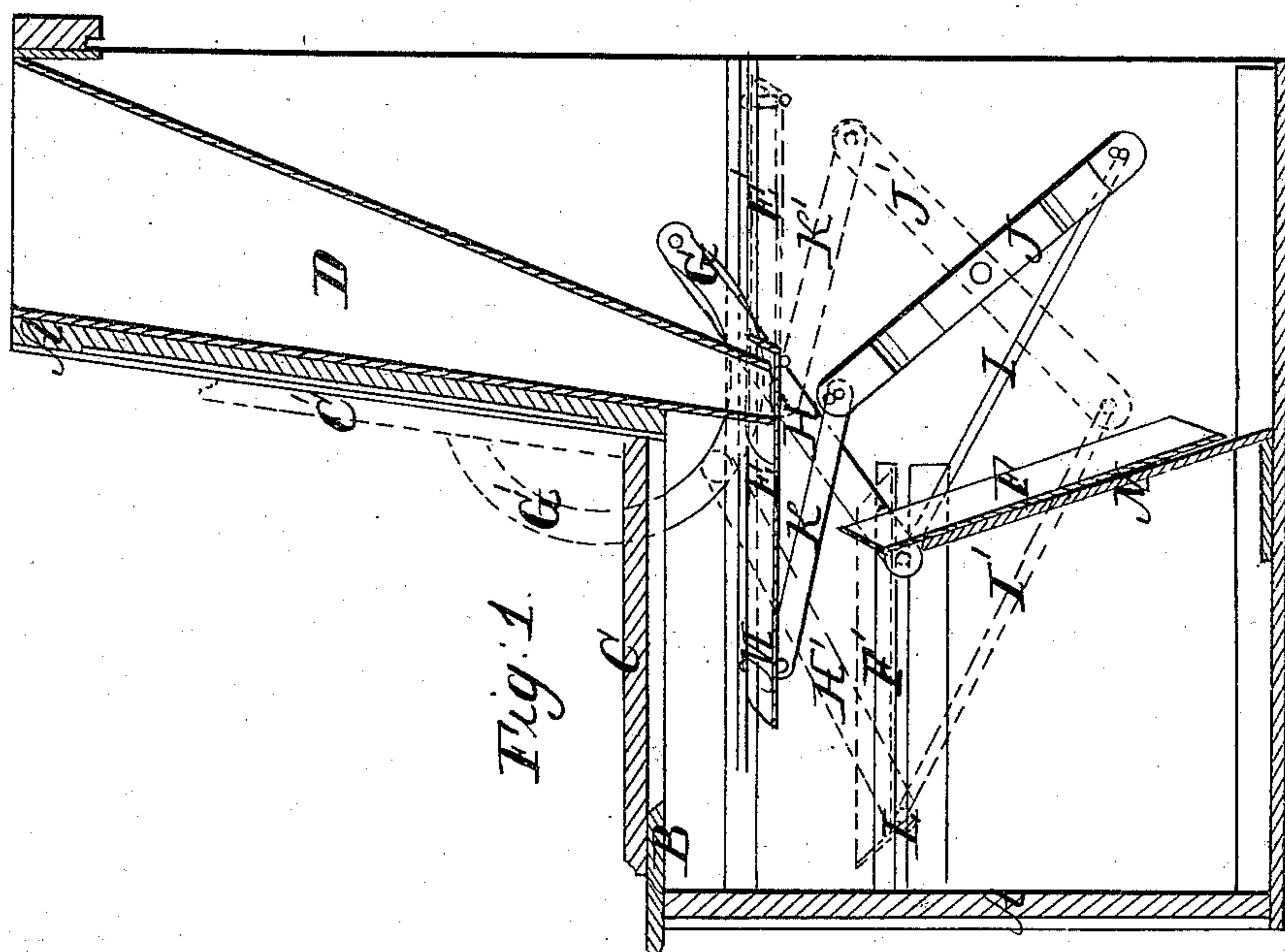
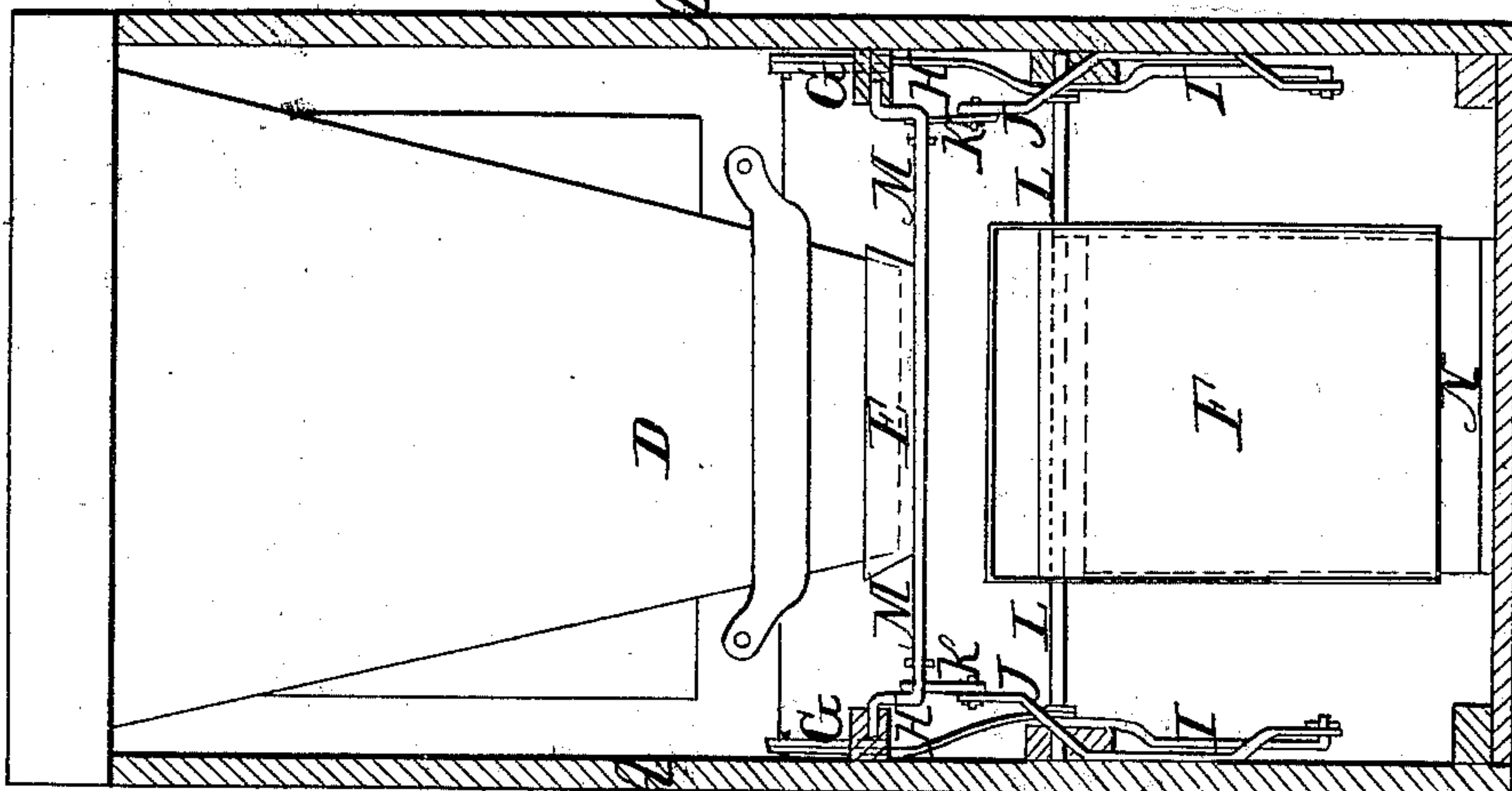


Fig. 1.

Witnesses;
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Theo. G. Ellis.

Inventor;
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United States Patent Office.

PETER S. LUTHER, OF HARTFORD, CONNECTICUT, ASSIGNOR TO
THE EARTH-CLOSET COMPANY, OF SAME PLACE.

Letters Patent No. 91,855, dated June 29, 1869.

IMPROVEMENT IN DEODORIZING-APPARATUS FOR WATER-CLOSETS.

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

To all whom it may concern:

Be it known that I, PETER S. LUTHER, of Hartford, in the county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Earth-Closets; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

Figure 1 is a section through the middle of the closet, showing the interior of the further half.

Figure 2 is a rear view, with the back of the case removed so as to show the interior arrangements.

My invention relates to that class of closets in which earth is used to absorb the odor and cover the excrement, by a self-acting mechanism attached to the cover or by means of a handle or lever, whereby a certain portion of earth is taken from the hopper at each movement.

My invention consists in applying a tilting-platform under the seat, into which the earth shall be thrown by any of the usual appliances, for the purpose of receiving the excrement, and discharging it, together with the earth, to the rear of the closet, where it can be received and conveyed away by a pipe or conductor, or tipped into a pan or receptacle.

A is the case or frame.

B is the seat.

C is the cover.

D is the hopper, into which fine, dry earth is put as often as necessary.

E is a sliding-platform resting on cross-bars M, which slide in grooves at the side of the case.

F is a sliding and tilting-platform, which rests on the cross-bar L, sliding in grooves at the sides of the case.

The platform F is moved back and forth upon its sliding bearing, by means of the links H, which connect the cross-bar L with the ends of the quadrants G which are attached to the cover C, and are operated by its opening and shutting.

The sliding platform E is operated by the connecting-rods I and K, and levers J, which communicate motion from the cross-bar L to the front cross-bar of the upper platform, so that the two platforms move in opposite directions by the opening and closing of the cover C. There are two sets of these levers and connecting-rods, one on each side of the case, as shown in fig. 2.

The black lines in fig. 1 show the position of the

parts when the cover is closed, or down, and the red lines, which are marked with the same letters accented, show the position of the parts when the cover is raised, or open.

When the cover is down, the platform F is moved to its most rearward position, and falls down against the partition N, in such a manner as to discharge its contents. When the cover is raised, the platform F moves forward in such a manner that the bottom slides upon the top edge of N, which supports it and brings it again to a horizontal position.

The operation of my invention is as follows:

The cover being shut, and the parts in the position shown by the black lines in fig. 1, when the cover is raised, the earth which has run out from the hopper D, through an opening in the lower part of the front, and now covers the surface of E, is pushed off by the return of the platform, and falls upon F as it advances, covering it with a thin layer of the dry earth, which is spread uniformly upon it as one of the platforms advances, and the other recedes. When the cover is entirely open, and the parts are in the position shown by the red lines, the closet is ready for use. The excrement is deposited upon the platform F, and when the cover is closed, it is tilted off to the rear, together with the earth upon the platform. As the cover is let down, the platform E advances, and more earth flows out from the hopper, and covers its surface. The operation above described, is then repeated.

My invention can also be operated by any other means than that herein described, of connecting the cover with the platforms, so that they are made to have the proper motions forward and backward herein specified. The platforms can also be moved by means of a lever, instead of having motion communicated from the opening and closing of the cover.

Claims.

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

1. The sliding and tilting-platform F, as arranged in relation to the pipe or other receptacle for receiving the excrement, the whole constructed, arranged, and operating as and for the purposes described.
2. The combination of the sliding and tilting-platform F, with the platform E and hopper D, for the purpose of an earth-closet, substantially as herein described.

PETER S. LUTHER.

Witnesses:

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