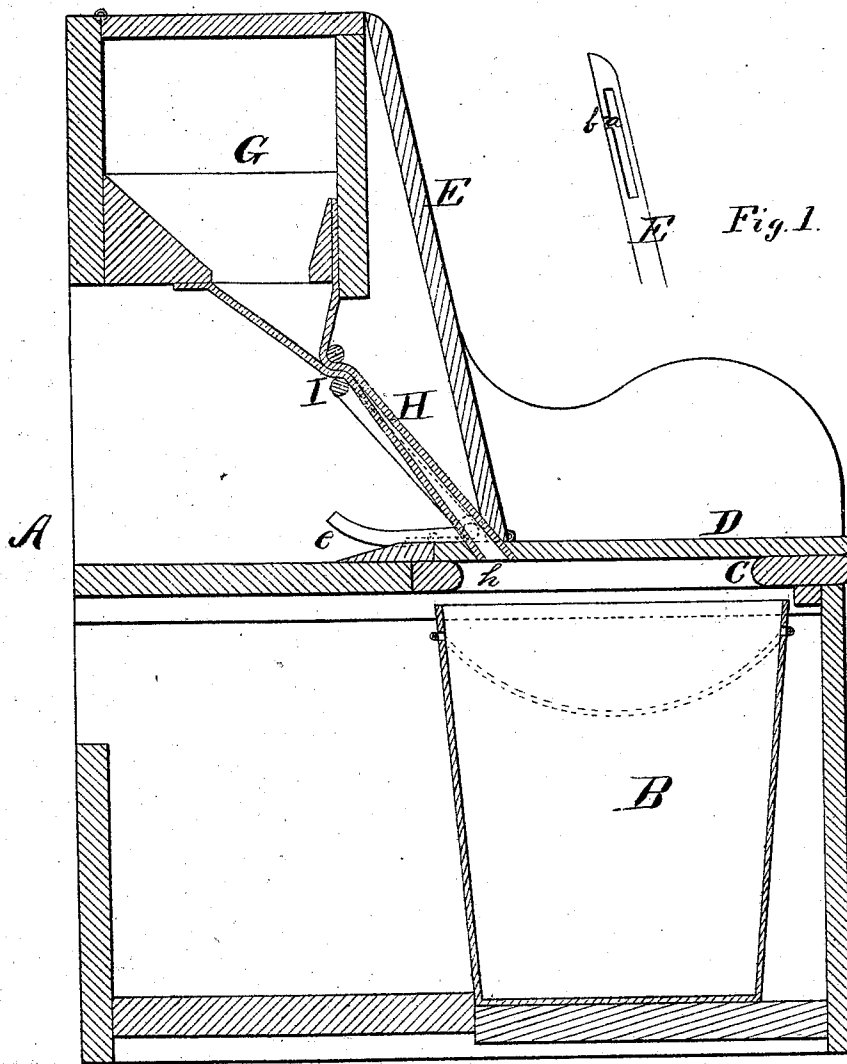


B. L. KENT.
Earth-Closets.

No. 135,817.

Patented Feb. 11, 1873.



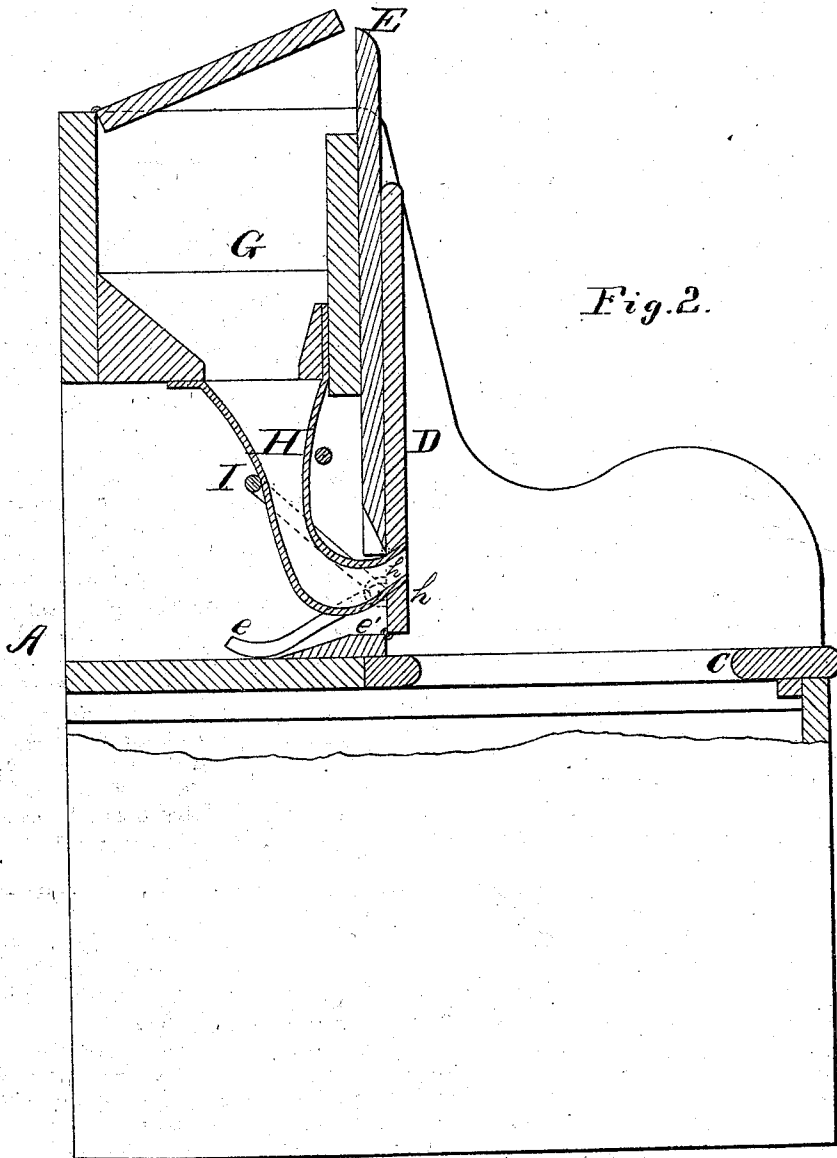
Witnesses:
E. A. Bates.
Chas. W. Steele
22 3 22

Inventor:
B. L. Kent,
Chipman & Son, Attorneys

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[Signature]

Inventor:
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Attorneys.

UNITED STATES PATENT OFFICE.

BENJAMIN L. KENT, OF COATESVILLE, PENNSYLVANIA.

IMPROVEMENT IN EARTH-CLOSETS.

Specification forming part of Letters Patent No. 135,817, dated February 11, 1873.

To all whom it may concern:

Be it known that I, B. L. KENT, of Coatesville, in the county of Chester and State of Pennsylvania, have invented a new and valuable Improvement in Earth-Closets; 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 drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical section of my earth-closet. Fig. 2 is a side view of the same with lid raised, the upper half being sectioned.

My invention has relation to earth-closets; and it consists in the employment of a flexible spout to convey the earth from the earth-box to the bucket, and in the construction and novel arrangement of an automatic device for controlling and regulating the discharge of earth, substantially as hereinafter more fully described.

Referring to the drawing, A designates the earth-closet inclosing the removable bucket B, which is placed in the usual position underneath the sliding seat C. D represents the hinged lid to the seat, and E the hinged back, the latter being hinged to the former, so that when the lid is lifted the back will be thereby pushed upward between the raised sides of the closet. One edge of the back has a longitudinal groove, *a*, which receives a stud projecting from one of the raised sides of the closet, said stud being allowed to enter and pass from the groove through a notch, *b*, when the back is slightly raised. The stud serves to retain the back in an upright position. The upper part of the closet contains the earth-box, marked G, and having an open bottom, from which proceeds an inclined, tapering, flexible tube, H, to an opening in the rear portion of the seat-lid, said tube being connected to the

earth-box and seat-lid, as shown. Through this tube the earth passes to the bucket as required. A U-shaped "cut-off," consisting of a bent rod, I, pivoted to the back part of the seat-lid behind the back E, and provided with rearwardly-extending arms *e*, which project over the cleat *e'*, to which the lid is hinged, and rest in notches cut in said cleat, as shown in the accompanying drawing.

When the lid is raised a quantity of earth falls to the bottom of the flexible tube, where it remains until the lid is lowered, a gate, *h*, hinged to the under side of the lid, and so arranged as to cover the opening *h'* when the lid is raised, preventing the premature escape of the earth. When, however, the lid is lowered, the highest portion of the cut-off is brought against the back of the flexible tube, which is thereby compressed between the cut-off and the transverse rod I, and thus prevented from depositing more than the required quantity of earth in the bucket. As the lid is raised the cut-off falls back, relieving the tube, and again allowing the earth to fall to the bottom of the tube.

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

1. In an earth-closet, the combination, with the seat, bucket, and elevated earth-box, of a flexible discharge-tube and an automatic cut-off, substantially as specified.

2. The U-shaped cut-off I attached to the hinged lid D, in combination with the flexible tube H and transverse rod I, substantially as and for the purpose set forth.

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

BENJAMIN LUNDY KENT,

Witnesses:

WM. J. KAUFFMAN,
F. P. HART.