

F. RIEDEL.
Improvement in Privies.

No. 115,239.

Patented May 23, 1871.

Fig 1

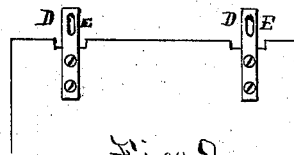
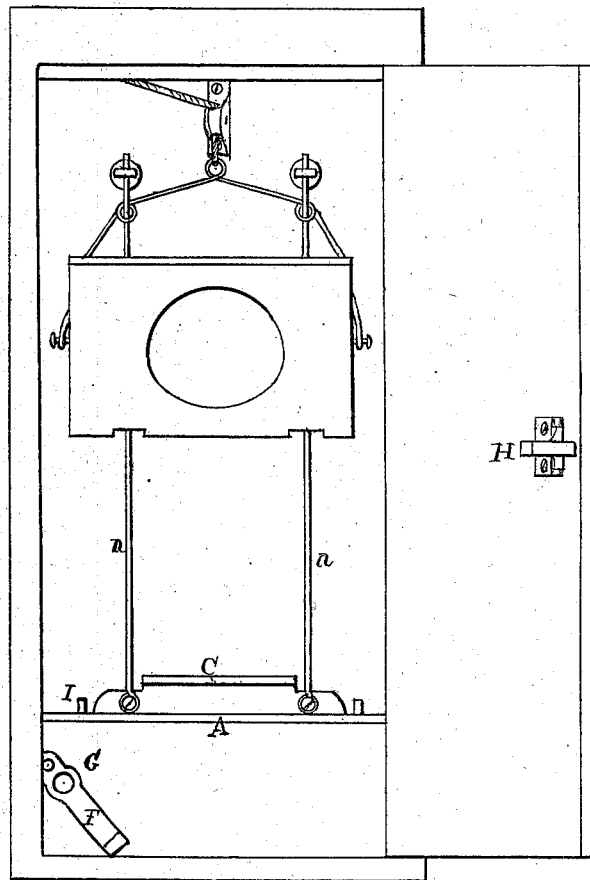


Fig 2

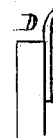


Fig 3

Witnesses
G. M. Smith
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United States Patent Office.

FRANK RIEDEL, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 115,239, dated May 23, 1871.

IMPROVEMENT IN PRIVIES.

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, FRANK RIEDEL, of San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in "Hotel-Privies;" and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention relates to additional improvements in that class of privies for which Letters Patent of the United States were allowed to me January 4, 1871, and is intended to be employed principally in and around hotels as a slop-hopper and privy combined; and consists, mainly, in forming an oblong or oval hopper of non-corrosive material or metal, which is attached to the frame-work of the privy, above the vault, having a suitable hole or opening, over which the suspended cover shuts by gravity when a weight is raised, the back portion of the privy-cover shutting into a ledge formed by a projection placed on the top of the inner edge or side of the vault-lining or slop-hopper, which prevents the back part of the cover from being raised or elevated by the accidental falling or displacement of a weight which holds the cover suspended above the vault when the privy is used as a slop-hopper.

In the center of the weight which is attached to the end of a cord for suspending the privy-seat is an opening for the introduction of the end of a jointed folding arm which is attached to the door of the privy, and the end of the weight is provided with an elastic cushion, so as to avoid noise and friction in dropping.

In the drawing—

Figure 1 represents a front elevation of a privy embodying my improvements, with seats elevated.

Figure 2 shows a plan of the slotted straps by which the seat is held under the projection of the slop-hopper, and in which it slides on the vertical rods.

Figure 3 is an edge view of the same.

To enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe fully my improved device, with the appliances for carrying it into effect.

In fig. 1—

A represents the oblong slop-hopper, which I construct of lead or other non-corrosive material, and which is attached to the sides of the vault by nails or otherwise.

The hopper is made with inclined sides, and is provided with an oval opening of the desired size, so that all slops will pass down the inclined sides and into the vault beneath, without lodgment, when the seat is ele-

vated; and when lowered the seat covers and shields the sides of the hopper, and only a direct communication with the vault is had through the opening in the seat and hopper.

A projection, C, is attached to the rear edge of the hopper, which forms a ledge, so that the back edge of the seat will pass under the projection and not fly up or be unbalanced by coming in contact with the plunger or spring I, which is intended to open a valve and convey water to the hopper, as in an ordinary closet, whether the said spring or plunger-rod be placed at the side or front of the vault-frame, while the person occupying the privy will prevent the front edge from raising by the position of the body against or upon the seat, either standing or sitting down.

In order to obtain sufficient play of the seat to admit of its passing under the projection the straps D D are slightly bent upward, and the edge of the seat cut away a little and provided with oblong slots E E, so that as the seat moves down on the vertical rods *a a* it will pass below the projection, still guided by the rods, and move into the groove or ledge.

In my present invention the end of the weight F is provided with an India-rubber cushion a little larger than the circumference of the weight itself, so that friction against the side of the privy and noise in dropping may be avoided.

A hole, G, is made in the weight, by which it is hung upon a jointed arm, H, attached to the door, instead of being placed on a ledge or shelf, as described in my former specification, and which I think will be more fully appreciated, as the weight is not so liable to become dislodged and fall down.

The operation of my present invention is so nearly similar in its details to that of my former invention that an elaborate description in this connection may be deemed unnecessary.

Having thus described my invention,

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

1. The combination of the seat, rods, straps D, and projection C, as described.

2. In combination with the weight F, having an opening, G, and cushioned end, the jointed arm H attached to the door, as described, and for the purpose set forth.

In witness whereof I have hereunto set my hand and seal.

FRANK RIEDEL. [L. s.]

Witnesses:

C. W. M. SMITH,
H. S. TIBBEY.