

*J. N. Davis,
Privy Seat.*

N^o 56,724.

Patented July 31, 1866.

Fig. 1

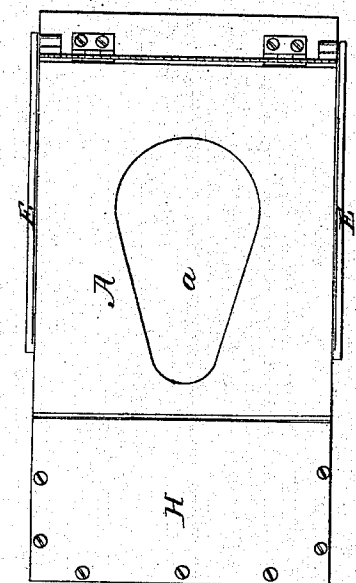


Fig. 3.

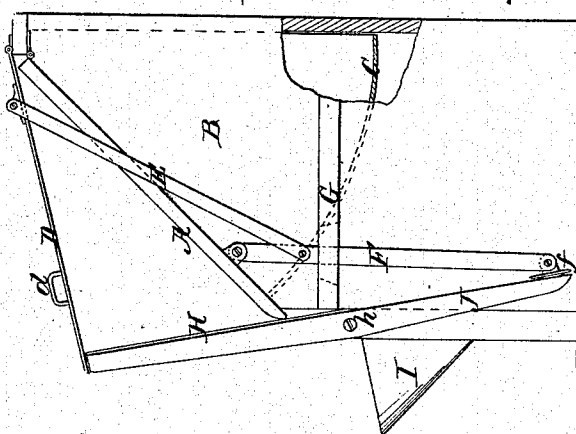
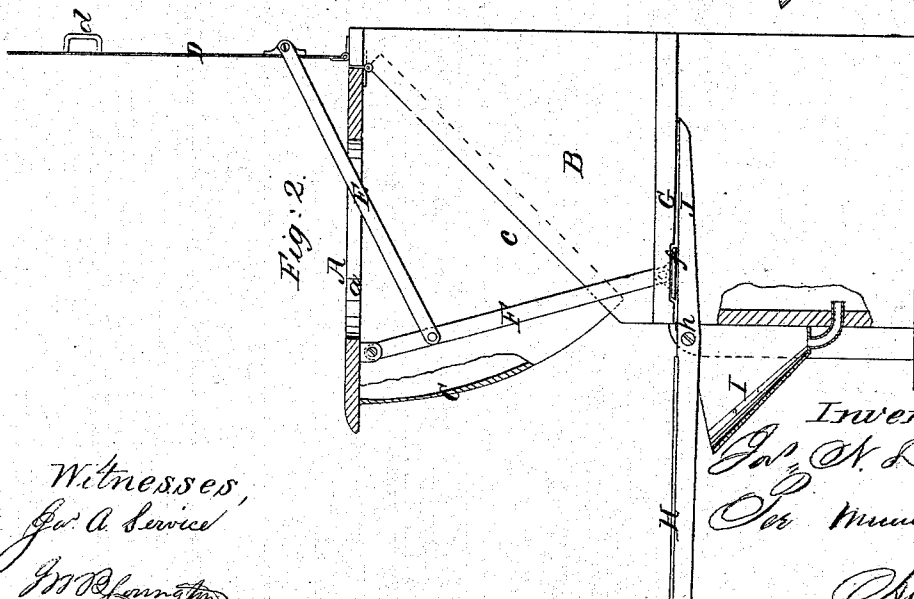


Fig. 2.



*Witnesses,
For A. Service
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UNITED STATES PATENT OFFICE.

JAMES N. DAVIS, OF CINCINNATI, OHIO.

IMPROVEMENT IN WATER-CLOSETS.

Specification forming part of Letters Patent No. 56,724, dated July 31, 1866.

To all whom it may concern:

Be it known that I, JAMES N. DAVIS, of Cincinnati, Hamilton county, State of Ohio, have invented a new and useful Improvement in Privy-Seats; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention consists of a cheap, simple, and effective construction of a privy-seat, the object being to prevent the fouling or soiling of it, either by the urine or excrement of a person; and it also consists in so constructing the seat that when not in use the vault is entirely closed, the present arrangement of the seat forming an extension and addition to certain improvements in privy-seats invented by me, and on which Letters Patent were issued bearing date September 5, A. D. 1865, and numbered 49,731.

In the accompanying plate of drawings my improvements are illustrated, Figure 1 being a plan or top view of a privy-seat constructed and arranged according thereto, showing it in an open position; Fig. 2, a partial side elevation and vertical section of the privy-seat when opened, and Fig. 3 a side elevation of the privy-seat closed, with a portion of one side of its box broken out.

Similar letters of reference indicate like parts.

A in the drawings represents a vibratory seat, (with the usual opening *a*,) which seat, at its rear end, is hinged to the frame or box B, which is to be located immediately over the privy-vault. This seat A has secured to it a curved front, C, and two side pieces, *c c*, and when the seat is shut down these front and side pieces completely close the opening to the vault, as shown in Fig. 3, thus preventing the effluvia from arising from the vault into the privy-room.

D is a screen or cover for the seat A, having handles *d d* attached to it; E E, two arms pivoted to the screen or cover D, near its rear end, and also pivoted to the arms F F, the screen or cover D being hinged at its rear end to the box or frame B.

At and near the front of the seat are pivoted the arms F F, hereinabove referred to,

which arms, upon their lower ends, have friction-slides *f f*, and are confined to their proper position by means of guide-blocks G G, secured to the sides of the box or frame B.

H is a platform or foot-rest hung at *h h* to the box B, and where it unites with the urinal I. This platform is provided with two levers, J J, on which levers move the friction-slides *f f* of the arms F F.

In the urinal I is an opening, at *i*, to allow a free passage of the urine to the vault.

Having thus described the construction and arrangement of the privy-seat embraced in the present invention, I will now proceed to explain its operation.

When the seat A is closed the arms J J are almost perpendicular, with the platform H elevated and in a vertical position, where it is maintained by means of the friction-slides *f f* of the arms F F, that are in contact with the lower ends of the levers J J, attached to the platform H, the urinal I, when the platform is thus elevated, being uncovered.

When it is desired to use the seat A, the screen or cover D is raised by either of its handles *d d* to a vertical position, by means of which, through the connecting parts hereinabove explained, the seat A is brought to a horizontal position, the platform H, as the seat and cover are thus raised, gradually turning on its bearings until it comes to a horizontal plane and to a rest upon the top of the urinal I, thus completely closing it, in which position of the platform H the friction-slides *f f* of the arm F F are in contact with the levers J J, near their fulcrums *h h*, when the person desiring to use the privy-seat now steps upon the platform H, and sitting upon the seat A, by producing the slightest pressure of his feet upon the platform H, the seat is securely held in a horizontal position, the seat A and screen D, the moment the person removes from the seat and steps from the platform, falling by their own weight, at the same time raising the platform H to its original vertical position, and thus uncovering the urinal.

The privy-seat may be constructed with or without the urinal I, or the urinal may be placed on the under side of the platform H, near its front end, so as to raise the same to a more convenient height, and also the box or frame B may be set down into the floor, so as

to allow the platform to descend and rest on the floor, in which case a urinal may be placed in any convenient place in or near the privy-room. When this box is set down into the floor for the purpose of having the platform descend to and rest upon the floor, suitable caps or coverings must be used on the sides of the box or frame B, so as to close the slots or openings that are then necessary to be made in the floor to accommodate the lower ends of the arms F F and levers J J.

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

The vibratory seat A, having a curved front-piece, C, and side pieces, *c c*, cover or screen D, having arms E E, hung to the arms F F, with friction-slides *f f*, and the swinging platform H, having levers J J, or their equivalents, when arranged together so as to operate substantially in the manner and for the purpose described.

JAMES N. DAVIS.

Witnesses:

JOS. H. WOODRUFF,
WM. H. H. CLARK.