

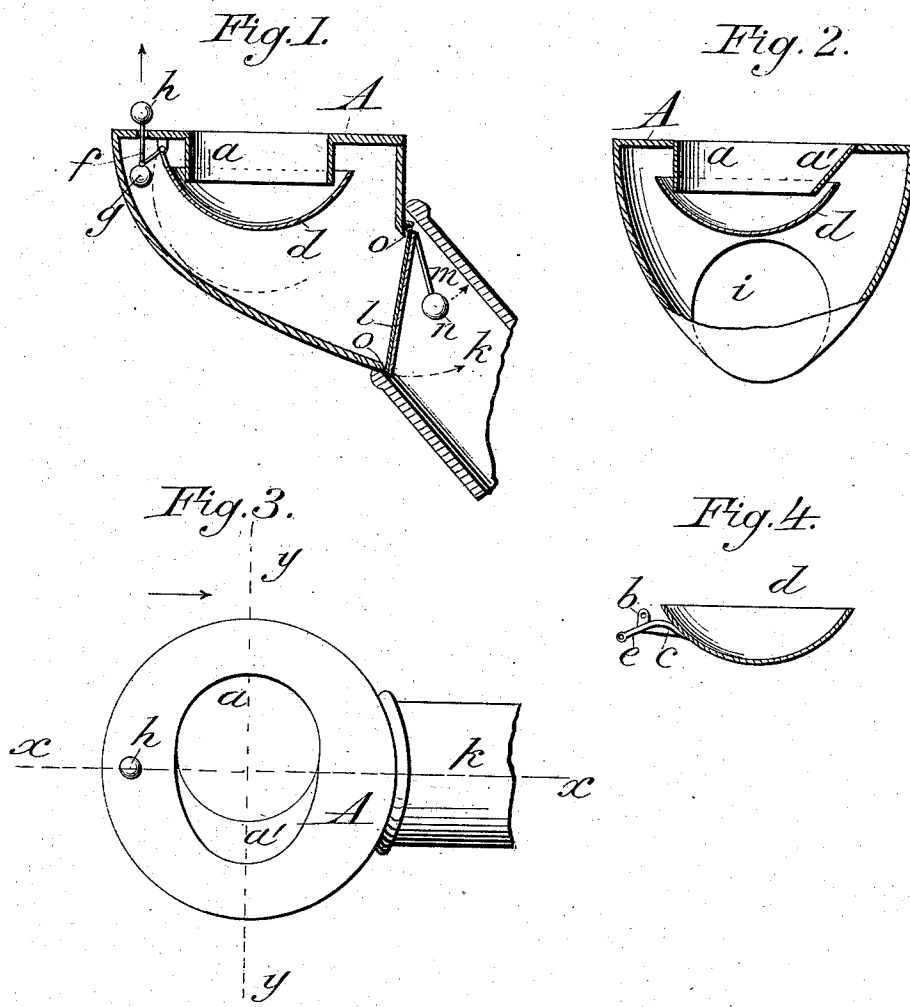
(No Model.)

W. H. DANIELL.

WATER CLOSET.

No. 251,767.

Patented Jan. 3, 1882.



Witnesses:

H. H. Schott.
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UNITED STATES PATENT OFFICE.

WILLIAM H. DANIELL, OF POTTSVILLE, PENNSYLVANIA.

WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 251,767, dated January 3, 1882.

Application filed May 21, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. DANIELL, of Pottsville, in the county of Schuylkill and State of Pennsylvania, have invented certain new and useful Improvements in Water-Closets; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to water-closet bowls and pans; and it consists in the construction and arrangement of parts, as hereinafter more fully described and claimed.

In the annexed drawings, which fully illustrate the invention, Figure 1 is a section on the line *xx* of Fig. 3. Fig. 2 is a section on the line *yy* of Fig. 3. Fig. 3 is a plan view, and Fig. 4 is a sectional view, of pan detached.

Like letters indicate like parts in the several views.

A is the outer casing, which supports a short sleeve, *a*, that forms an improved substitute for the water-closet bowl commonly in use. This sleeve is made with vertical walls, except at the front *a'*, which is slightly inclined. By constructing the bowl or sleeve in this form it will not become soiled, as is liable to occur with bowls of the ordinary curved shape.

To the under surface of the seat or casing A is attached a pair of lugs that engage with a corresponding lug, *b*, on an arm or bracket, *c*, projecting from the pan *d*, which is thus pivoted beneath the lower opening of the sleeve *a*. The pan *d* is also provided with a lever-arm, *e*, that is pivoted to a stem or vertical lever, *f*, which passes through the seat-frame, carrying at its lower end a weight, *g*, and at its upper end a handle, *h*, by means of which the pan is operated to open or close the opening at the lower end of the sleeve.

Below the seat-frame and pan, at one side, is an opening, *i*, which communicates with the sewer connection or pipe *k* and is governed by a valve, *l*, which is hinged at its upper edge, and provided on the outer side, near the top, with a rod, *m*, carrying a weight, *n*, which operates to close the valve tightly against the beveled edges *o o* of the valve-seat when the water-closet is not in use. This valve is provided with a suitable elastic packing, in which the valve-seat is embedded when the valve is closed, thus forming a close joint and preventing the escape of sewer-gas into the dwelling.

The sleeve, pan, and valve, with pipe and connection, may be made of any suitable material and are coated with a vitreous compound that imparts a glazed non-absorbent and non-adhesive surface, which greatly assists in maintaining cleanliness of the parts.

By this construction a free exit is afforded for the passage of matter deposited upon or within the pan. The entrance of sewer-gas to the dwelling or apartment is effectually prevented by reason of the close connection of the valve with its beveled valve-seat, and the parts are at all times retained in a cleanly condition.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the sleeve *a*, having vertical walls or sides, pivoted pan *d*, and hinged valve *l*, having weight *n*, and adapted to rest, when closed, against the beveled edges *o* of the valve-seat, substantially as shown and described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM H. DANIELL.

Witnesses:

M. L. WATSON,
JNO. A. STOCKMAN.