G. R. MOORE.

ODORLESS AIR CLOSET.

No. 186,266. Patented Jan. 16, 1877.

Fig. 1.

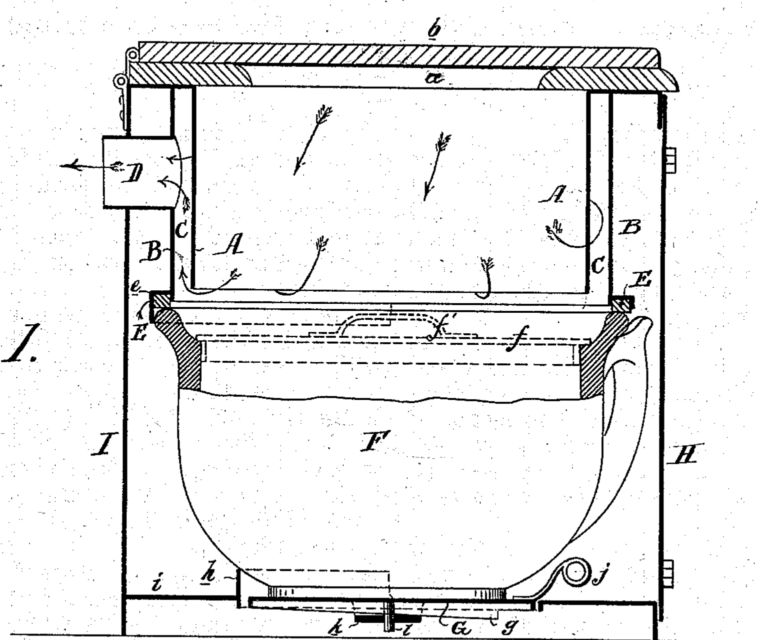
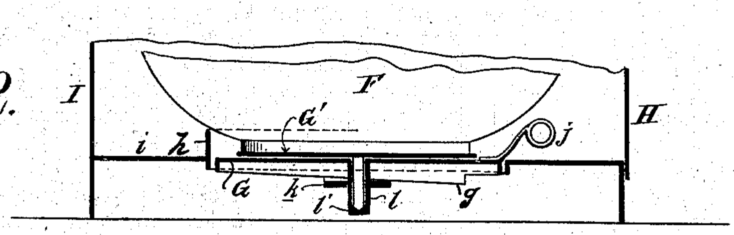


Fig. 2.



Witnesses { [illegible]
John Parker

Inventor
Geo. R. Moore

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE R. MOORE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN ODORLESS-AIR CLOSETS.

Specification forming part of Letters Patent No. **186,266**, dated January 16, 1877; application filed December 8, 1876.

To all whom it may concern:

Be it known that I, GEO. R. MOORE, of the city and county of Philadelphia and State of Pennsylvania, have invented new and useful Improvements in Odorless Air Closets, which improvements are fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to provide facilities for use in combination with open-topped chamber-vessels, or other receptacles for alvine discharges, by which the escape of odors into any apartment where the said vessels may be used shall be entirely prevented, as well in closing the same as in other parts of their use.

Figure 1 is a vertical transverse section of the entire closet, with vessel in place for use, and showing, also, in dotted lines, the close cover in place, as for the removal of the vessel for emptying. Fig. 2 is a portion of the same view, introduced to show a frictionless disk immediately beneath the vessel, which is not shown in Fig. 1.

A is the internal conducting pipe or throat, leading from the seat *a* down any desired distance, as a guide to the vessel, a protection to the air-pipe D, and an inside wall to the annular air-flue C between it and the outside conducting-pipe B. The arrows show in what direction the air must come into the closet to reach the flue C and pipe D. When the vessel is in use there is no air-passage from the casing of the closet to the pipe. *a* is a lid to the closet, finished in the usual style of privy-seats and hinged. *b* is a hinged cover to *a*. E is an elastic face or packing, attached to the conducting-pipe B at its lower end, so as to make an air-tight joint with the top outlying rim of the vessel F. *f* is a close cover, fitted to the vessel, and *f'* is a handle to the same. The relative diameters of the throat A and vessel F at the place of its cover-seat must be such as to afford entire freedom in passing the cover down A to F.

G is a revolving disk, provided with two circular inclined planes, *g*, opposite each other. But one is shown in the view presented. It is supported by a portion of the frame-work *k* in the bottom *i* of the casing I. *j* is a handle or thumb-piece for operating the disk. *l* is a center-pin, working freely in *k*, and guiding the disk as it is raised and lowered by turning the same by *j*. G' is a frictionless plate, working on a point, *l'*, so that the vessel standing upon this plate may be raised or lowered without the plate itself turning.

The use of the disk G, with all its attachments, is to hold the vessel and to raise it at will, so as to give it an air-tight connection with the conducting-pipe B. Turning the disk to the right, the inclined planes are carried up upon the portion of the frame upon which they rest, and the vessel is thereby forced firmly upon the packing E at the terminus of the pipe B, and all communication of the atmosphere, except as it comes down through the seat and passes to the pipe, is cut off. In this instance, two circular guides, *e*, at the top, and *h* at the bottom, are furnished to guide the vessel directly and conveniently to its place, so that no special observation is required. H is a side door to the casing. Obviously it is of no consequence about the casing, whether it is close or open work, as the contents of the vessel are never exposed to the air within it, and the pipe does not take any air from it as long as the vessel remains within it.

It is, of course, seen that I aim to preclude the possibility of foul air, even in the case itself.

I claim—

1. The closet-frame and casing *i k* I, provided with the adjustable disk G, upon inclined planes *g*, for raising and lowering the vessel F, substantially as and for the purpose herein set forth.

2. In combination, the adjustable disk G, the vessel F, or its equivalent, and conducting-pipe B, either with or without the elastic packing E, substantially as and for the purpose set forth.

3. In combination, the adjustable disk G and frictionless plate G', substantially as shown.

4. In combination, the vessel F and conducting-pipe B, provided with the guide *e*, substantially as shown.

5. In combination, the throat A and the vessel F below it, provided with a cover-seat

smaller than the smallest diameter of the said throat A, whereby the cover *f* may be placed upon its seat in the said vessel F by carrying it directly down through the said throat A, substantially as and for the purpose herein set forth.

6. In combination, the casing I, the removable vessel F, and the fixed conducting-pipe B, provided with the air-pipe D, substantially as and for the purpose herein set forth.

GEO. R. MOORE.

Witnesses:

J. PLANKINTON,

JOS. CHAPMAN.