

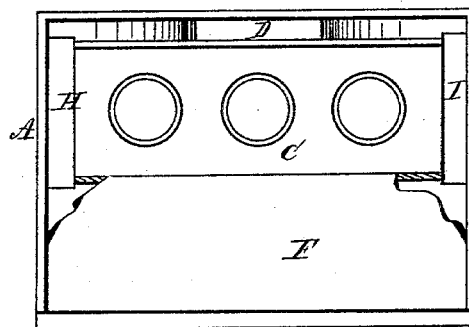
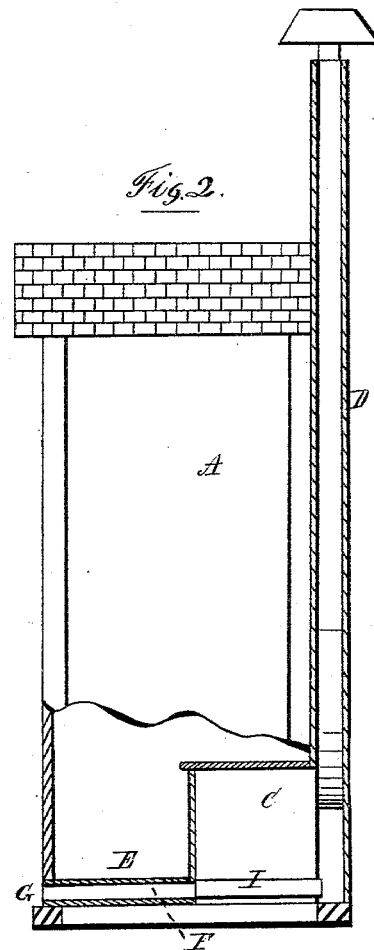
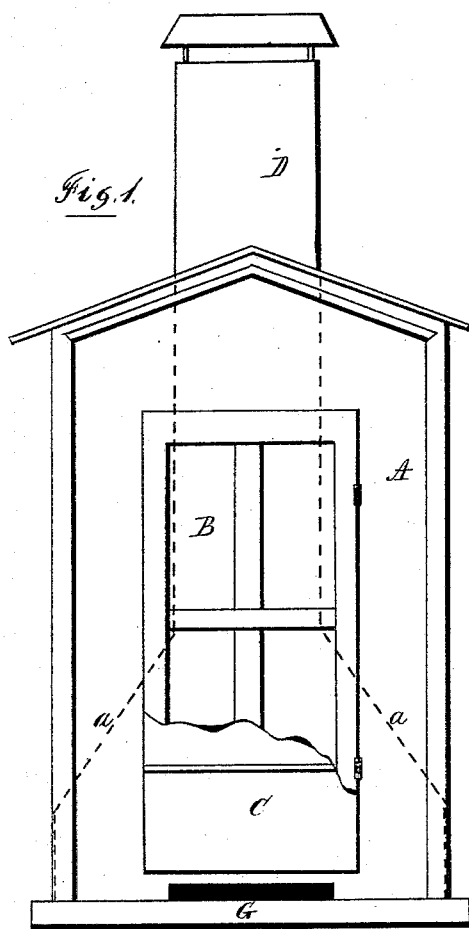
(No Model.)

K. HARTMANN.

WATER CLOSET.

No. 304,000.

Patented Aug. 26, 1884.



Witnesses.
J. W. Burridge
C. H. Loney

Inventor.
K. Hartmann
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UNITED STATES PATENT OFFICE.

KILIAN HARTMANN, OF CLEVELAND, OHIO.

WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 304,000, dated August 26, 1884.

Application filed October 25, 1883. (No model.)

To all whom it may concern:

Be it known that I, KILIAN HARTMANN, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Water-Closets; and I do hereby declare that the following is a full, clear, and complete description thereof.

The nature of the improvement in water-closets, above alluded to, relates to ventilating the same by passing currents of air under the floor of the water-closet or privy and the seat thereof, by which currents of air the offensive gases and odors arising from the vault are conveyed to a ventilating shaft or chimney at the rear of the structure, and thereby conducted up into the air and dissipated, leaving the room free from unwholesome gases and odors, substantially as herein-after described, and as shown in the drawings, making a part of this specification, in which—

Figure 1 represents a front view of a water-closet or privy, the lower part of the door of which is represented as broken away that the inside of the structure may be seen. Fig. 2 is a side view of the structure, the lower part of which is broken away, showing the inside. Fig. 3 is a view of the under side of the structure.

Like letters of reference refer to like parts in the drawings.

The building A is or may be like such structures as are ordinarily built. B is the door thereof; C, the seat, and D the ventilating shaft or chimney.

Under the floor E of the structure is an air flue or chamber, F, in open relation to the outside of the building at G, Fig. 1, and having an inward opening under the seat C, thereby causing a draft of air to pass from the outside of the structure through the chamber F, thence under the seat C to the ventilating-chimney D, up which it flows, and escapes therefrom into the air. In thus causing a current of air to pass under the seat the ascending gases and odors from the vault are ar-

rested by the cross-current of air from the outside as it flows through the chamber F to the ventilating shaft or chimney, and which are thereby prevented from passing into the room through the openings in the seat, but are carried off through the chimney and dissipated in the air above the structure, as aforesaid.

Across each end of the bottom of the seat C is a flue, respectively H and I. One end of said flues opens into the chamber F, and the opposite ends open into the chimney.

The object of the flues is to increase the draft of the chimney, thereby giving more energy to the cross-current passing through the chamber to the said chimney, rendering the same more efficient for arresting and carrying off the gases and odors arising from the vault, as above mentioned.

It will be observed that the base of the chimney is about as wide as the width of the building, as indicated by the dotted lines *a*, thus increasing the capacity of the chimney for catching the eliminations from the vault.

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

A privy structure or water-closet provided with an air-chamber under the floor thereof, with an opening in front of the structure, and which air-chamber extends back from the said opening to the seat of the closet, at which it terminates in open communication with the vault and in proximity to the ventilating shaft or chimney, air-flues H and I, having one end in communication with the air-chamber, and their opposite ends terminating in the said ventilating shaft or chimney, substantially as described, and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

KILIAN HARTMANN.

Witnesses:

J. H. BURRIDGE,
C. H. TURNEY.