

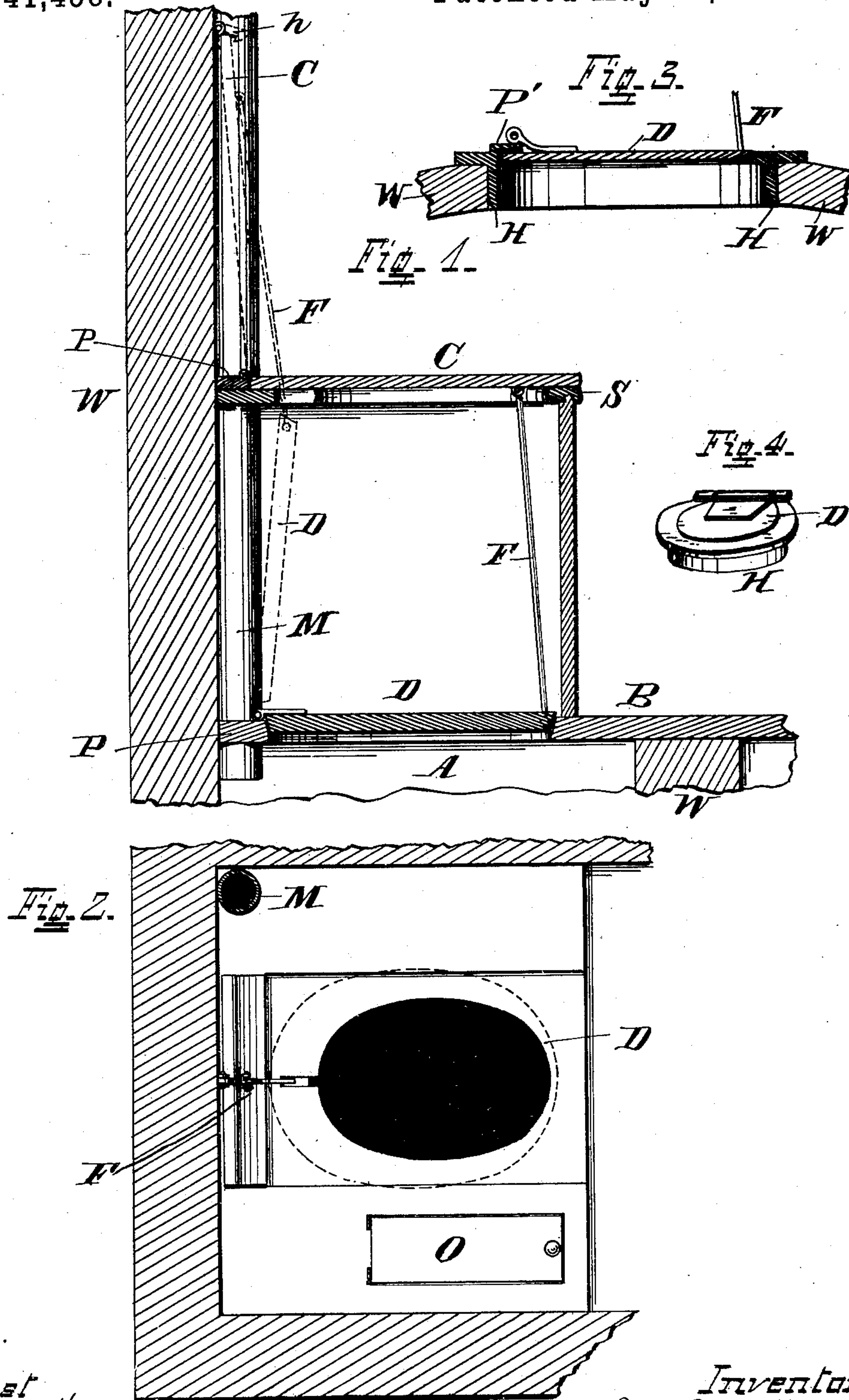
(No Model.)

L. CORNUELLE.

PRIVY VAULT AND WATER CLOSET.

No. 341,458.

Patented May 11, 1886.



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UNITED STATES PATENT OFFICE.

LOUIS CORNUELLE, OF MADISONVILLE, OHIO.

PRIVY-VAULT AND WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 341,458, dated May 11, 1886.

Application filed August 20, 1885. Serial No. 174,877. (No model.)

To all whom it may concern:

Be it known that I, LOUIS CORNUELLE, a citizen of the United States, residing at Madisonville, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Privy-Vaults and Water-Closets, of which the following is a specification.

The object of my invention is to prevent the foul and noxious gases and vapors contained in privy-vaults and water-closets from arising and polluting the surrounding atmosphere. The means whereby this can be attained will be fully understood from the description herein contained, and the accompanying drawings, forming part of my application, in which—

Figure 1 is a vertical section taken through the seat and frame-work of a vault, the latter being represented by the broken line. Fig. 2 is a top or plan view of Fig. 1. Fig. 3 is a cross-section taken through the top of the vault, and shows a modification of the covering from that shown in Fig. 1, in that a flanged metal casting is laid upon the arched portion of the vault, and to the casting is hinged the lid which covers the cavity. Fig. 4 is a small view in perspective of the casting and its attached lid.

A is the vault, and B the floor of same, supported upon the wall W.

C is the upper lid covering the seat S.

D is a lower lid, properly hinged to a projection or stud, P, extending from the rear wall, W. This lid D is made of metal, and is designed to cover the top of the cavity A and be on a plane flush with the floor B. Its edge or periphery may be lined with rubber or some such material, so that it will be air-tight and fit snugly over the top of the vault A.

F is a lever pivoted or fulcrumed on the under side of the lid C, its other end being likewise attached to the upper side of the under lid, D. Instead of this rod or lever a rope or chain may be employed for the purpose.

It will be observed that when the lid C is raised it also draws up with it, through the medium of the rod or rope F, the lid D, thus opening the cavity A for the reception of excremental matter. The dotted lines in Fig. 1 represent the lids raised. When the recepta-

cle is not in use, the lid C can be lowered, which also lowers the vault-cover D, thus preventing the escape of the gases or any foul smell contained within the vault.

h is a hook, designed to engage with a slot or notch in the cover C, and hold the latter in an upright position, so that no pressure will be exerted upon the back of the person occupying the seat S.

H is a flanged casting, around which the arch of the vault is built. The flanged portion of this casting rests upon the top of the arch, as seen in Fig. 3. The lid D is hinged to this casting in such manner that its rear will lap under the raised secondary flange P', Fig. 3. The object of this lapping is to more effectually prevent the gases from escaping at the point of hinging, as also to prevent the dirt from accumulating there and clogging, thereby obstructing the working of the lid.

M is a tube, one end of which enters the vault, as shown, the other end extending upward a distance sufficient to carry the gases up and let them escape over the surrounding premises. This tube or ventilating-pipe may be incased within the building-walls or run up in any position to suit the views of the builder.

O represents the paper-receptacle.

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

1. A flanged casting encircling the top of a vault and resting upon its arch or walls, in combination with a lid, as D, whose rear end laps under said casting or a flange thereon, substantially as and for the purpose described.

2. A flanged casting encircling the top of a vault and resting upon its arch or walls, in combination with a lid, as D, whose rear end laps under said casting or a flange thereon, and an upper lid, as C, the two being connected by an intermediate rod or rope, F, substantially in the manner shown and described, and for the purpose specified.

LOUIS CORNUELLE.

Witnesses:

W. ELLWOOD WYNNE,
GEORGE KENDRICK.