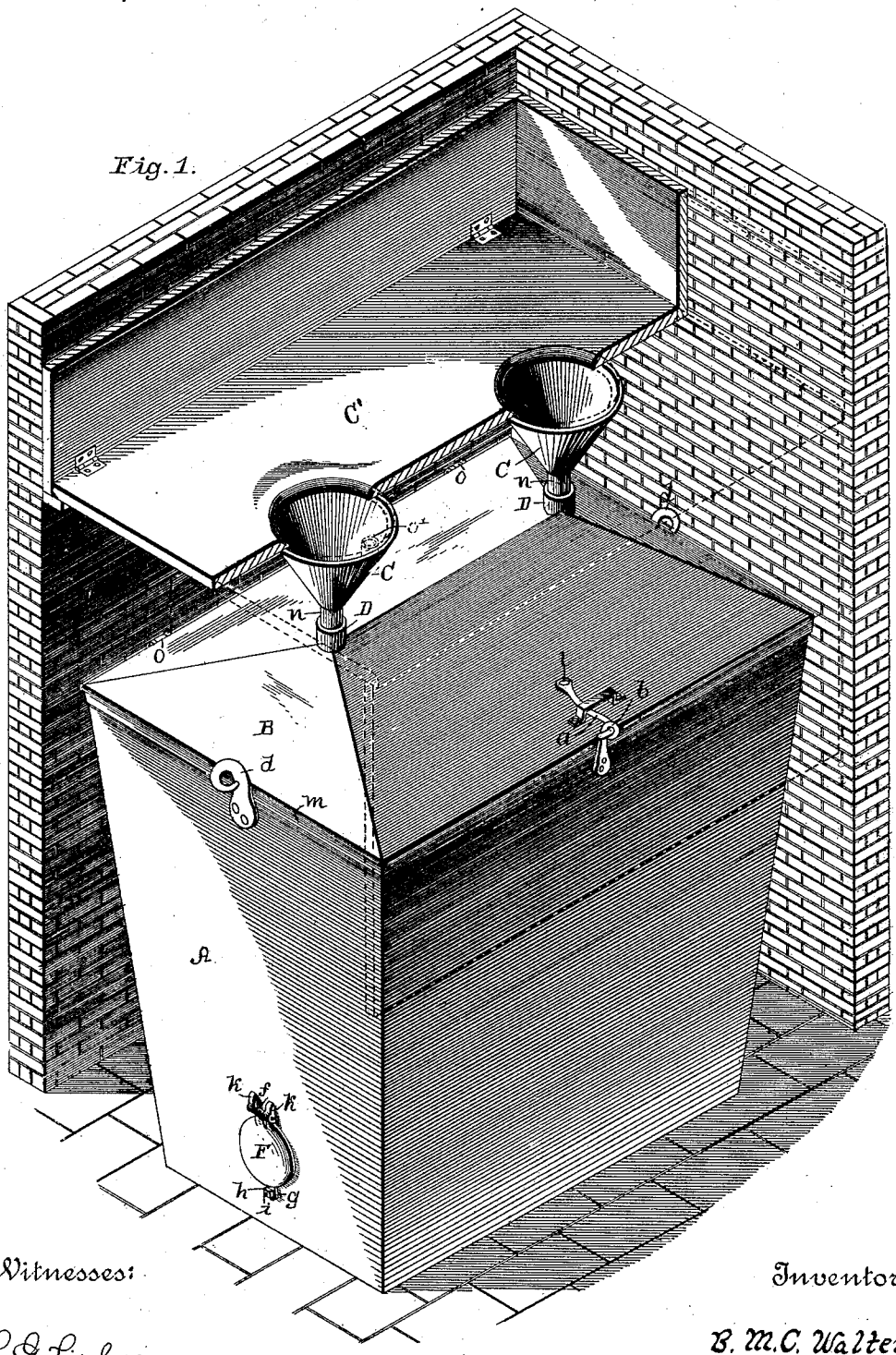
(No Model.) 2 Sheets—Sheet 1.

B. M. C. WALTER.

REMOVABLE PRIVY VAULT.

No. 423,006. Patented Mar. 11, 1890.

Fig. 1.



Witnesses:

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By his Attorneys

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(No Model.) 2 Sheets—Sheet 2.

B. M. C. WALTER.

REMOVABLE PRIVY VAULT.

No. 423,006. Patented Mar. 11, 1890.

Fig. 2.

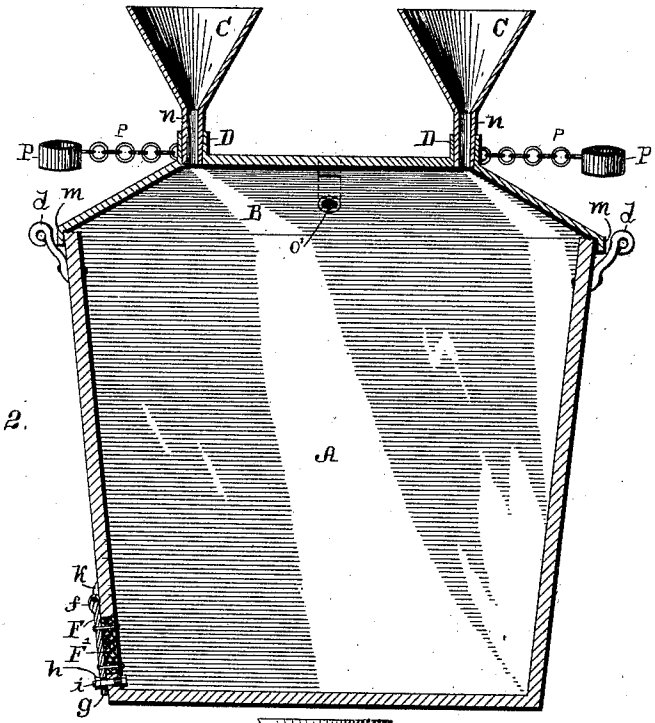


Fig. 3.

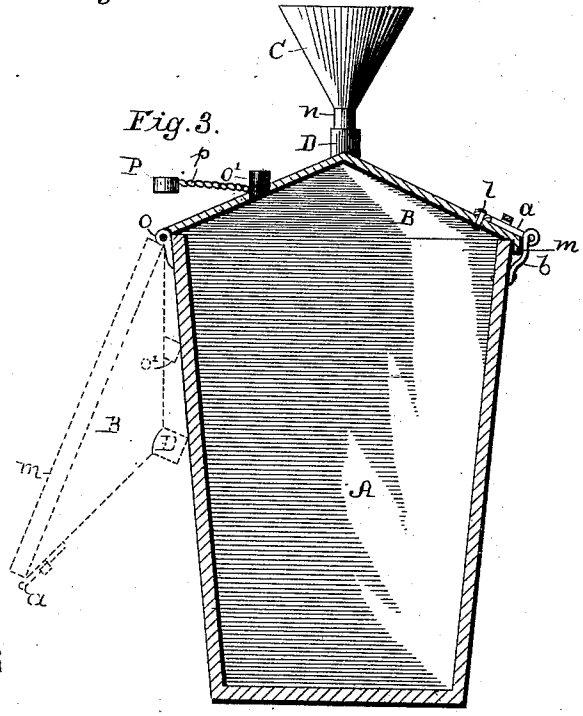
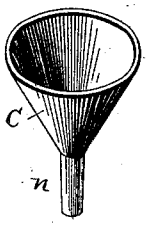


Fig. 4.



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UNITED STATES PATENT OFFICE.

BERNHARD M. C. WALTER, OF KANSAS CITY, MISSOURI.

REMOVABLE PRIVY-VAULT.

SPECIFICATION forming part of Letters Patent No. 423,006, dated March 11, 1890.

Application filed September 23, 1889. Serial No. 324,791. (No model.)

To all whom it may concern:

Be it known that I, BERNHARD M. C. WALTER, of Kansas City, Jackson county, Missouri, have invented certain new and useful Improvements in Removable Privy-Vaults, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in privy-vaults; and it consists in a novel construction and arrangement of parts fully set forth and claimed hereinafter.

In the drawings, Figure 1 is a perspective view of a privy-vault embodying my invention. Fig. 2 is a central longitudinal section thereof. Fig. 3 is a transverse central section of the same, and Fig. 4 is a detail view of one of the funnels.

It is desirable that privy-vaults which are located near wells or cisterns should be air-tight to prevent the escape of fluids and gases into the surrounding earth, as they are absorbed by and permeate through the same and impregnate the water in said well or cistern, and thereby render it unfit for use. To prevent this escape of poisonous fluids and gases, I have constructed a vault of sheet-iron or thin boiler-iron, which is air-tight, with the exception of the inlet-openings and a small opening for the escape of gases which may be conducted upward through a suitable flue, said openings being provided with removable caps which may be applied when the vault is to be removed. This vault is adapted to be raised bodily from the hole or cistern in which it normally rests to enable it to be conveyed to a suitable place and discharged, and for this purpose it is provided with ears or loops, to which may be attached the cables of a suitable hoisting-tackle.

A represents the metallic vault, which in Fig. 1 is shown arranged in a walled-up cistern or hole, said masonry being, however, dispensable when the earth is sufficiently firm to prevent caving in; and B represents a cover fitted on the top of the vault and provided with thimbles D, in which fit the necks *n* of the funnels C. This cover is provided with a flange *m*, which fits snugly around the upper edge of the vault, and it is also provided at one edge with hinges *o*, and at the other edge with a latch consisting of a hook *a*, pivoted at *l* and engaging an eye or hasp *b*, which is secured to the side of the vault. The funnels C fit at their upper edges against the under surface of the seat C′ of the privy around the usual openings therein, and their necks *n* fit snugly in the thimbles D, which are firmly secured around suitable openings in the cover of the vault.

O′ is an opening in the cover of the vault, to which a suitable flue (not shown) may be attached to conduct away the accumulated gases within the vault, said opening being provided with a thimble similar to those shown at D; and P represents removable caps connected to said thimbles by short chains *p* and adapted to be fitted on the thimbles when the vault is removed for cleaning.

In one side of the vault, near the bottom, is formed an opening which is fitted with a cover F, provided on its inner side with an elastic cushion or plug F′, which fits snugly in the opening, to prevent the escape of gases. This cushion or plug is preferably of rubber, but may be of any other suitable elastic material.

The cover F is pivoted at *f* to lugs or ears *k* on the side of the vault, and is provided at its lower edge with a lug *g*, having a slot or notch to fit over a bolt *i*, and *h* represents a tapered key, which fits in a transverse perforation in the bolt to lock the cover in its closed position.

The loops or ears *d* are secured to the upper edge of the vault to enable the latter to be raised into a suitable vehicle, in order that it may be conveyed to a place set apart for the reception of offal.

Having thus described my invention, I claim—

A removable vault provided with a hinged lid having a suitable fastening device and provided with thimbles D and a vent-opening O′, which are fitted with caps connected to the cover of the vault by short chains, and funnels provided with necks to fit in said thimbles, substantially as specified.

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

BERNHARD M. C. WALTER.

Witnesses:
R. A. BALDERSON,
MARY SULLIVAN.