

(No Model.)

J. M. HOLLOWAY.
WATER CLOSET.

No. 445,892.

Patented Feb. 3, 1891.

Fig. 1.

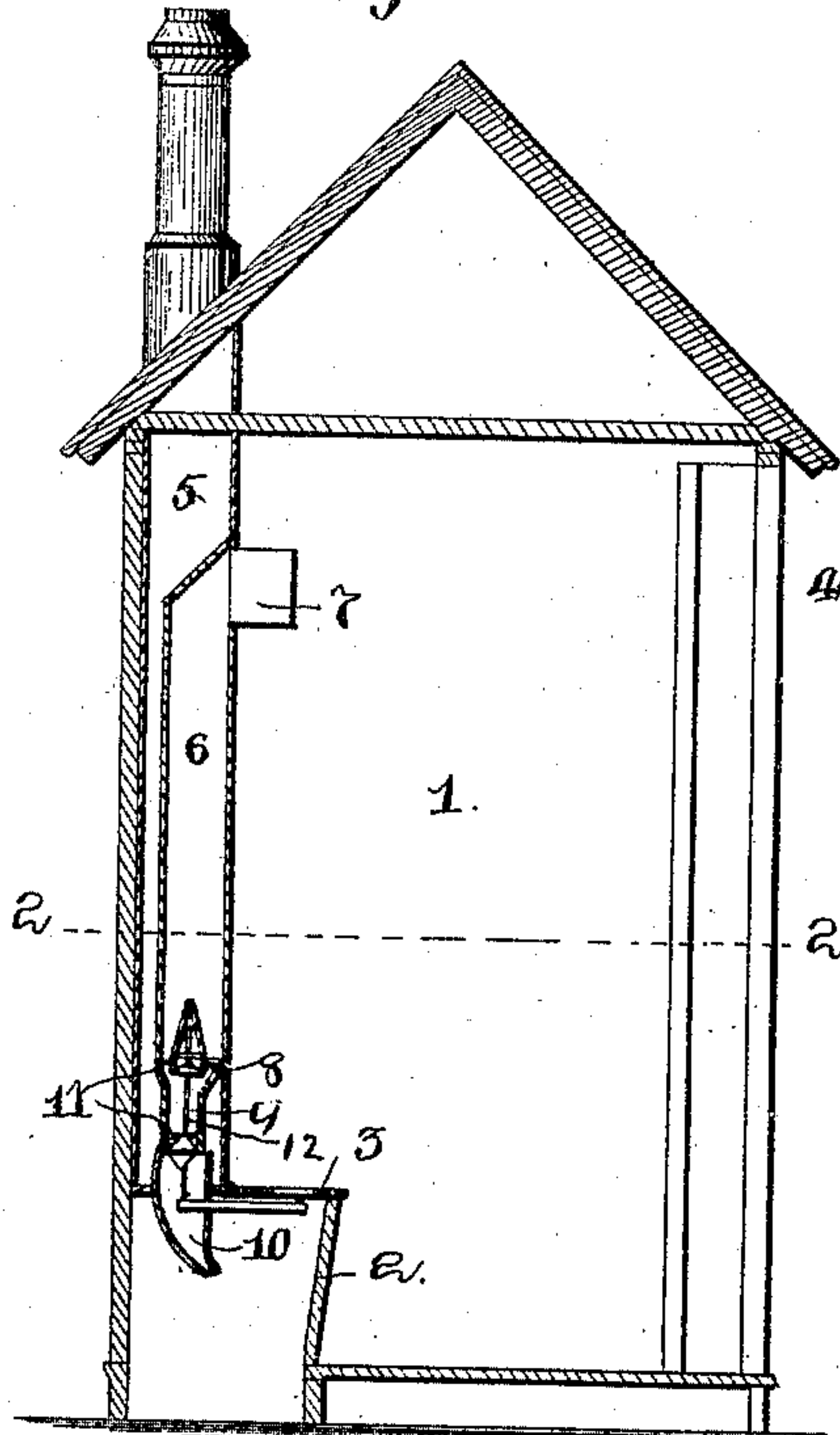


Fig. 2.

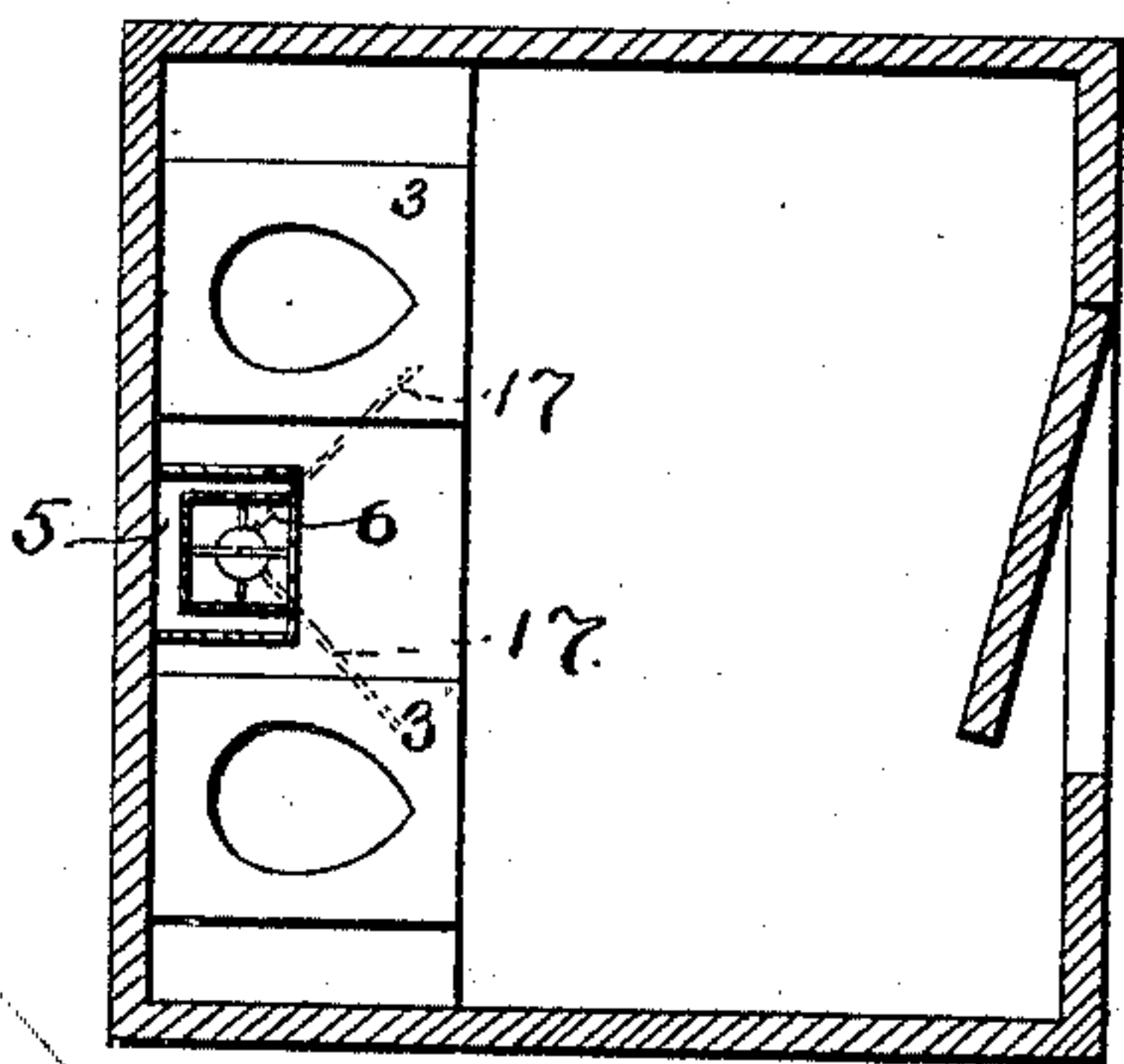


Fig. 4.

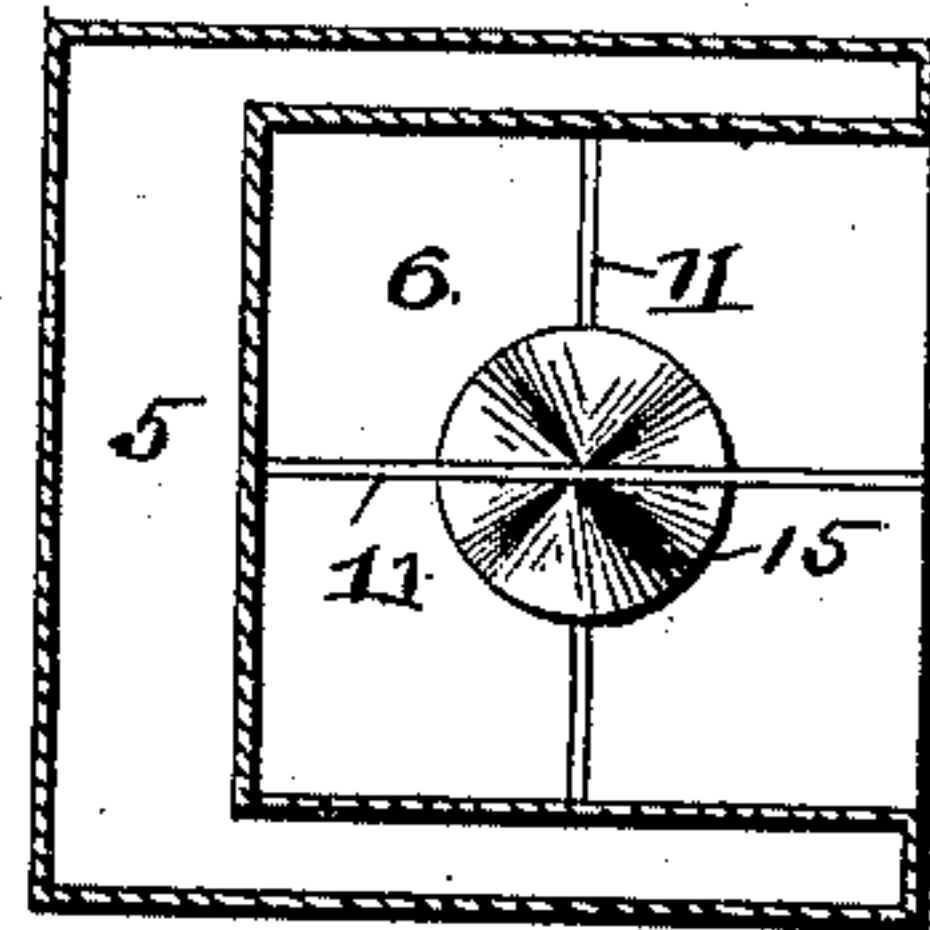
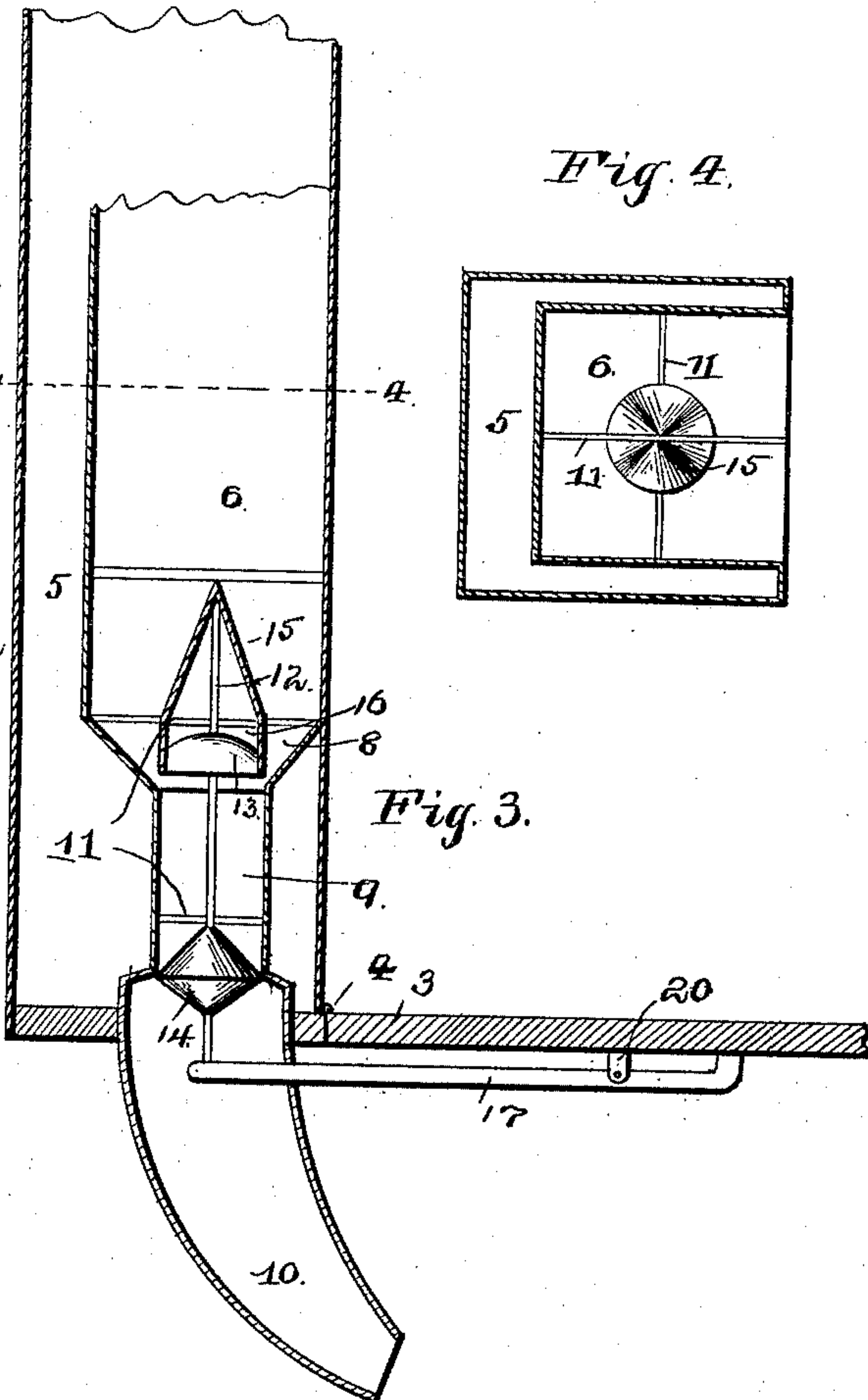


Fig. 3.



Witnesses

H. G. Seitz

Wm. Bagger

By his Attorneys,

C. A. Snow & Co.

Inventor

John M. Holloway

UNITED STATES PATENT OFFICE.

JOHN MARTIN HOLLOWAY, OF SANTA BARBARA, CALIFORNIA.

WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 445,892, dated February 3, 1891.

Application filed September 11, 1890. Serial No. 364,640. (No model.)

To all whom it may concern:

Be it known that I, JOHN MARTIN HOLLOWAY, a citizen of the United States, residing at Santa Barbara, in the county of Santa Barbara and State of California, have invented a new and useful Water-Closet, of which the following is a specification.

This invention relates to that class of closets in which a magazine or receptacle is provided from which chemicals are discharged into the vessels in which the excrement is deposited for the purpose of destroying the unpleasant and unwholesome odors of the same; and it has for its object to provide means for discharging such chemicals automatically and in regulated quantities.

With these ends in view the invention consists in the improved construction, arrangement, and combination of parts, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, Figure 1 is a vertical sectional view of an outhouse having my improved closet. Fig. 2 is a horizontal sectional view of the same, taken on the line 2 2 in Fig. 1. Fig. 3 is a vertical sectional view, on a larger scale, of the magazine and the measuring and discharging mechanism. Fig. 4 is a horizontal sectional view taken on the line 4 4 in Fig. 3.

Like numerals of reference indicate like parts in all the figures.

1 designates the outhouse.

2 is the bench having one or more seats 3 hinged at 4.

5 designates an air-flue or ventilating-flue, in which is located the magazine 6, having near its upper end a door 7, through which it may be filled with any chemicals which it may be desired to use. Said magazine terminates near its lower end in the hopper-shaped portion 8, below which is a cylindrical tubular portion 9, terminating in a suitably-curved discharge-spout 10, through which the chemicals are discharged. The cylindrical tubular portion 9 I term the "measure," it being made of a suitable size to contain the quantity of chemicals which it is desired to discharge at each operation of the device.

The magazine 6 and measure 9 are provided with cross-braces 11, having bearings for a

vertically-sliding stem 12, near the upper and lower ends of which are mounted the valves 13 and 14. The upper valve 13 is of a size to normally close the upper end of the measure 9, and the lower valve 14, the upper portion of which is conical in shape, is adapted when the stem 12 is raised to close the lower end of the said measure. When the stem is raised to cause the valve 14 to close the lower end of the measure, the valve 13 is raised or elevated above the mouth of the latter, which is then filled with the chemicals contained in the magazine.

Suitably mounted in the lower part of the magazine, above the mouth of the measure, is a conical shell 15, having a lower cylindrical portion 16, in which the valve 13 may freely slide. Said conical shell serves as a deflector to guide the contents of the magazine into the measure and also as a casing for the valve 13, to enable the latter to operate freely.

To the under side of the stationary portion of the seat is attached a lug 20, to which is pivoted a lever 17, the rear end of which is pivotally connected with the lower end of the stem 12, which latter when the seat is released is forced in a downward direction, thus causing the contents of the measure to be discharged. The valves 13 and 14 may be sufficiently heavy to overbalance the weight of the seat, or a spring may be provided to force the latter in a downward direction.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation of my invention will be readily understood.

The construction is simple and inexpensive, and in a sanitary respect the device is efficient and useful.

It is obvious that a single magazine may be made to serve two closets, as will be seen in Fig. 2 of the drawings, said magazine being arranged between said closets.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The magazine having the hopper, the measure, and the discharge-spout, in combination with the conical deflector having a cylindrical lower end, and a vertically-sliding

stem having valves at its upper and lower ends, substantially as set forth.

2. The combination of the magazine having the hopper, the measure, and the discharge-spout, the conical deflector fixed within said magazine and having cylindrical lower end, the vertically-sliding stem having cylindrical and conical valves at its upper and lower ends, respectively, the former moving
5 within the cylindrical lower end of said de-

flector, the hinged seat, and the connecting rod or lever, substantially as set forth.

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

JOHN MARTIN HOLLOWAY.

Witnesses:

S. S. PRICE,

S. W. BOUTON.