

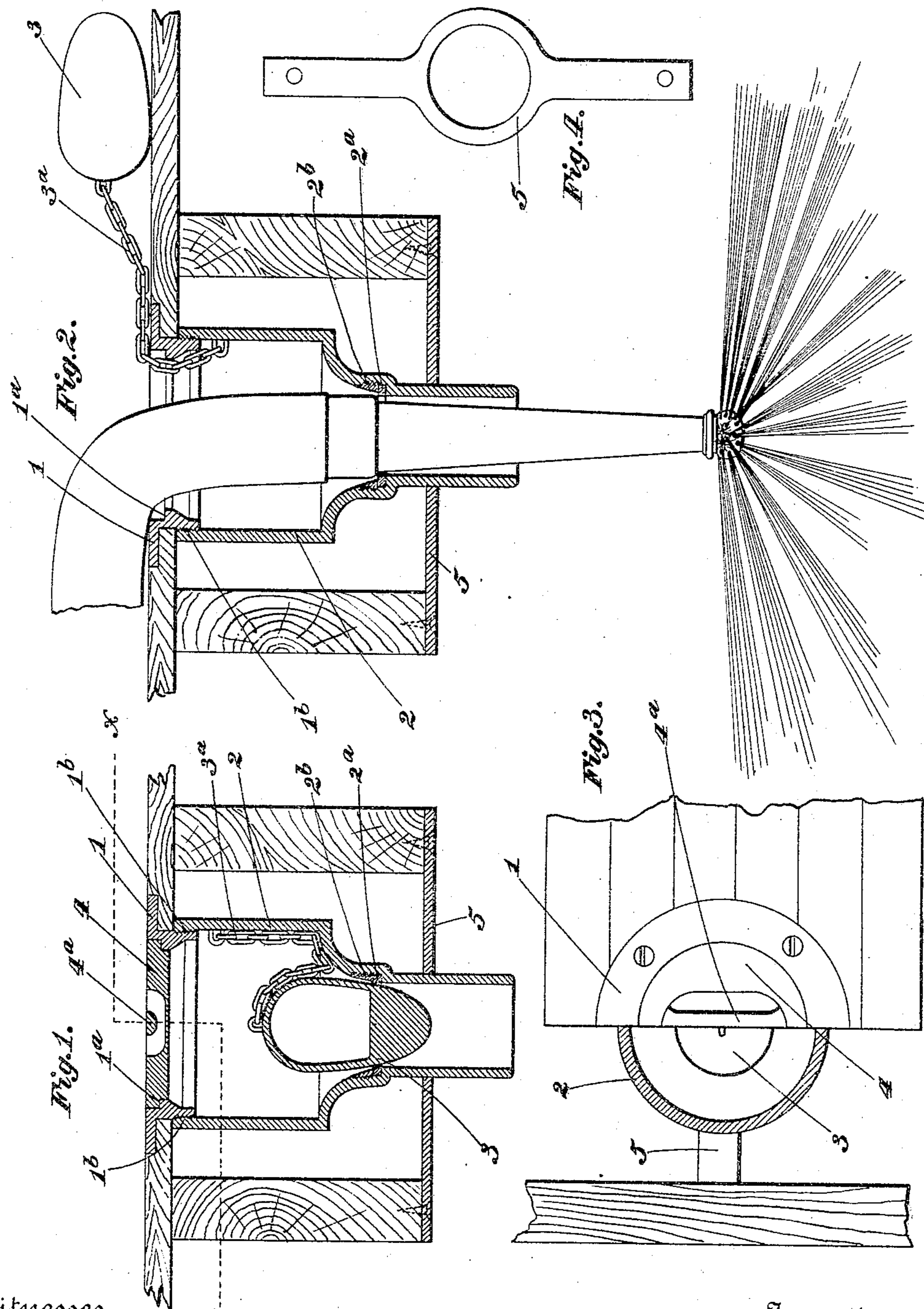
No. 765,760.

PATENTED JULY 26, 1904.

J. H. ZETTY.
FLOOR THIMBLE.

APPLICATION FILED APR. 26, 1904.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN H. ZETTY, OF COLUMBUS, OHIO.

FLOOR-THIMBLE.

SPECIFICATION forming part of Letters Patent No. 765,760, dated July 26, 1904.

Application filed April 26, 1904. Serial No. 205,018. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. ZETTY, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have
5 invented certain new and useful Improvements in Floor-Thimbles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to
10 make and use the same.

The object of this invention is to provide an improved floor-thimble adapted to permit the projection of a hose-nozzle from the room above into a cellar below it.

15 The invention consists in the construction hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a central vertical sectional view through the device as it appears in a floor. Fig. 2 shows
20 a similar view with a hose-nozzle passed through the thimble. Fig. 3 is a combined horizontal section and plan view, the broken line *xx*, Fig. 1, indicating the planes on which the view is taken. Fig. 4 is a detail view of
25 a fastening device for securing and bracing the lower end of the thimble.

In the views, 1 designates a ring provided with a sunken internal shoulder or seat 1^a for a cover and with an external thread 1^b to receive the body of the thimble. The floor is
30 countersunk to receive the ring, so that the upper surface of the latter shall be flush with the floor. The ring is made of such depth that its thread 1^b will be below the floor.

35 2 designates the body of the thimble. This is threaded at its upper end to turn on the thread of the ring. The body of the thimble is of large diameter at its upper end and of smaller diameter at its lower end to permit
40 the ready finding of the opening and the correct directing and holding of the hose-nozzle. The thimble at the upper end of the portion of small diameter is provided with soft packing or seat 2^a, held in place by a threaded
45 ring 2^b.

3 designates a valve of ovate form to fit on the packing 2^a and close the passage through the thimble. This valve is secured against
50 loss with a chain 3^a, connecting it to the inner

4 is a cover or floor-plate to fit in the upper end of the floor-ring flush with the floor. The cover is made with a handle 4^a.

The lower end of the body of the thimble can be secured and braced in place by means
55 of a strap 5, having a central ring that fits onto the thimble-body; the ends of the strap being fastened to the lower edges of the joists under the floor, as indicated. Where the room and cellar are large, several of these
60 thimbles will be located at appropriate places for reaching a fire in any part of the cellar.

The function of the valve is to keep down the smoke while locating the fire and to permit certain and prompt closing of the thimble
65 when the opening is not used. The packing-ring or seat of the valve also serves as a seat for the nozzle when water is being thrown into the cellar to prevent smoke from rising
70 into the faces of the firemen.

It will be observed that the cover and valve are promptly removable and that the valve cannot be lost and can be dropped onto the seat without loss of time.

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

1. In a floor-thimble, the combination of the thimble-body having a valve-seat therein, a removable floor-plate or cover for the upper
80 end of the thimble and a removable valve for the valve-seat.

2. In a floor-thimble, the combination of a floor-ring to be seated in the upper side of the floor and having a threaded portion to extend below the floor, a thimble-body portion
85 threading onto the ring below the floor, a valve-seat in said body portion, a removable valve for said seat in the ring, and a removable cover or floor-plate seated in the ring.

3. A floor-thimble having in combination a
90 floor-engaging portion of large diameter, and a portion of smaller diameter to extend below the floor, a soft valve-seat or packing-ring between the portions of large and small diameter, a removable cover for the portion of
95 large diameter and a removable valve for the valve-seat chained to the interior of the portion of large diameter but so as to be removable therefrom.

4. A floor-thimble having in combination a 100

floor-engaging portion at its upper end and a portion projecting below the floor, and a strap engaging the portion below the floor adapted to be secured to the joist below the floor.

- 5 5. A floor-thimble having in combination a floor-engaging portion of large diameter, and a portion of smaller diameter to extend below the floor, a valve-seat or packing-ring between the portions of large and small diam-
10 eter, a removable cover for the portion of

large diameter and a removable valve of ovate form for the valve-seat chained to the interior of the portion of large diameter but so as to be removable therefrom.

In testimony whereof I affix my signature in 15 presence of two witnesses.

JOHN H. ZETTY.

Witnesses:

OLIN J. ROSS,
BENJ. FINCKEL.