J. U. GRIBBEN & M. MOHR.

VENTILATING COVER FOR CISTERNS.

APPLICATION FILED OCT. 23, 1907.

902,289. Patented Oct. 27, 1908.

Fig. 1.

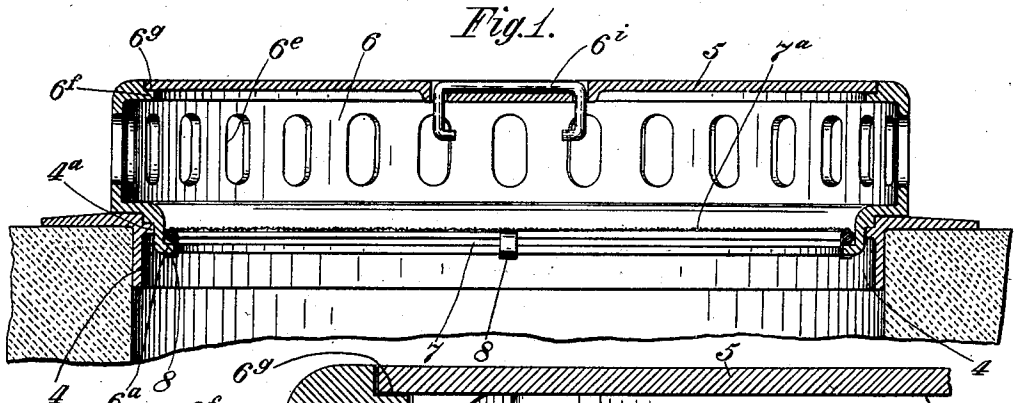


Fig. 2.

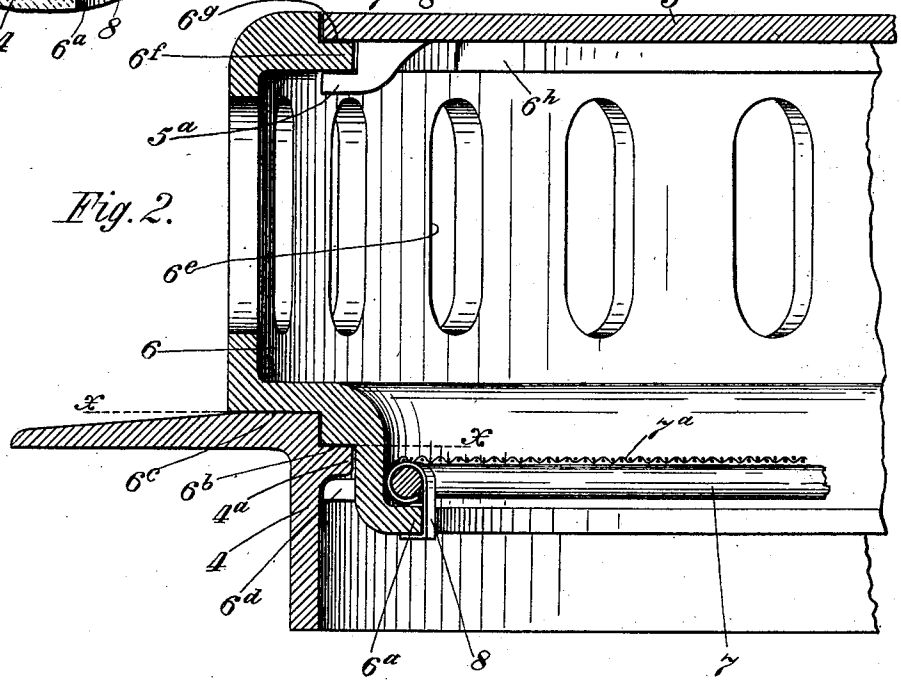
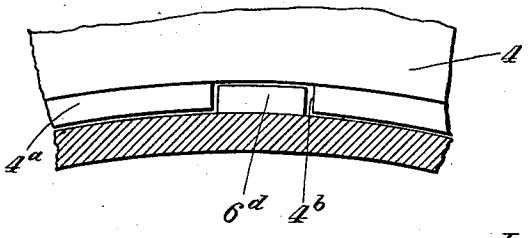


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN UPTON GRIBBEN AND MAX MOHR, OF COLUMBUS, OHIO.

VENTILATING-COVER FOR CISTERNS.

No. 902,289. Specification of Letters Patent. Patented Oct. 27, 1908.

Application filed October 23, 1907. Serial No. 398,688.

To all whom it may concern:

Be it known that we, JOHN UPTON GRIBBEN and MAX MOHR, citizens of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Ventilating-Covers for Cisterns, of which the following is a specification.

The object of this invention is to provide an improved construction of ventilating cover for cisterns, catch-basins and the like, said construction being cheap, strong and durable and also adapted to utilize the cistern cover in common use and be interchangeable with it in connection with the curb ring of the cistern.

The invention is embodied in the construction hereinafter described and claimed, the invention not being confined in its practical embodiment to precisely the forms of the parts shown in the accompanying drawings.

In said drawings—Figure 1 is a vertical diametrical sectional view of the whole structure; Fig. 2 is a similar section of a fraction of what is shown in Fig. 1, to show on a larger scale and more plainly the details of construction; Fig. 3 is a detail in horizontal section on the broken line *x*—*x*, looking down, to show the mode of connection between the ventilating ring and the curb ring.

In the several views 4 designates the curb ring or thimble of ordinary construction, and 5 designates the ordinary lid or cover adapted to engage the curb ring to close the opening to the cistern. The curb ring is provided with the usual interior flange 4^a having one or more notches, as seen at 4^b.

6 designates our improved ventilating ring or wall which is designed to be located above the ground and therefore exposed to the atmosphere. As shown, the ventilating ring is an integral casting contracted at its lower portion and provided at its lower edge with an inwardly extending rim 6^a to afford a support for the screen hereinafter more particularly described. The contracted lower edge or portion of the ventilating ring is also provided with a double rabbeted curb-entering and engaging shoulder affording the part 6^b to rest on the interior flange 4^a of the curb ring and a shoulder 6^c to rest on the upper surface of the curb ring. This construction of double shoulder makes a closer and firmer joint to exclude the washing in of dirt, and for the support of persons stepping upon the cover. This construction of shoulder also prevents danger of dislodgment of the ventilating cover and the exposure of the opening of the cistern. The contracted portion of the ventilating ring below the shoulder 6^b is provided with several lugs, as illustrated at 6^d, to engage the notches 4^b of the interior flange 4^a of the curb thimble, as more particularly indicated in Figs. 2 and 3.

From the shoulder 6^c the main cylindrical or inclosing wall of the ventilating section stands upright or rises vertically in the instance shown, and said wall is formed with a series of openings through which the atmosphere can pass, as indicated at 6^e. At its upper portion the main wall extends inward, forming a flange, as seen at 6^f, and a rabbet-like shoulder as seen at 6^g, to constitute a seat for the cover 5. The cover 5 has a lug 5^a, and the flange 6^f a notch 6^h, the lug 5^a to engage the flange 6^f by being passed through the notch, and the cover given a slight turn in the same way that said lug would be engaged with the curb thimble if the cover were placed on said thimble. The cover has at its center the usual handle 6^i for manipulating it.

It will be thus observed that either the ventilating ring or the cover can be engaged with the curb thimble and the opening to the cistern sufficiently guarded in either case. To prevent access of dirt, twigs, leaves, insects, or small animals, rats and mice for example, to the cistern, a hoop 7 having a wire screen 7^a stretched across it and suitably secured to it is placed on the rim or shoulder 6^a, said screen being secured to the flange by suitable clips 8 attached to the screen and hooked under the rim 6^a.

By this construction it is plain that a simple, cheap and durable means for aerating and keeping pure the water of cisterns is provided.

What I claim and desire to secure by Letters Patent is:

1. A ventilating cover for cisterns comprising an upwardly-extending exposed inclosing wall provided with ventilating openings, a rabbet-like shoulder on the exterior of its lower end to enter and engage a curb thimble, and an interior rim on said lower end to support a screen, and a rabbet-like shoulder at the upper end of the wall to receive the ordinary cover of a cistern, combined with a screen and a cover, substantially as described.

2. In a removable ventilating cover for cisterns and the like, an integral upwardly-

extending ring or wall provided at its lower end with a double contraction, one to engage a curb thimble, and the other to afford a seat for a screen, said ring also having ventilating openings in its main portion and also constructed at its upper end to receive an ordinary cover of a cistern.

3. In a removable ventilating cover for cisterns and the like, the integral upright perforated ventilating section having a contracted lower end, two shoulders on said lower end to fit upon a curb ring of a cistern, an interior rim on said lower end to receive a screen, and a rabbet-like seat in the upper end of said section to receive a removable cover.

J. UPTON GRIBBEN.
MAX MOHR.

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