

(No Model.)

H. PFOTENHAUER, Dec'd.

L. PFOTENHAUER, Administratrix.

SINK STRAINER.

No. 442,999.

Patented Dec. 16, 1890.

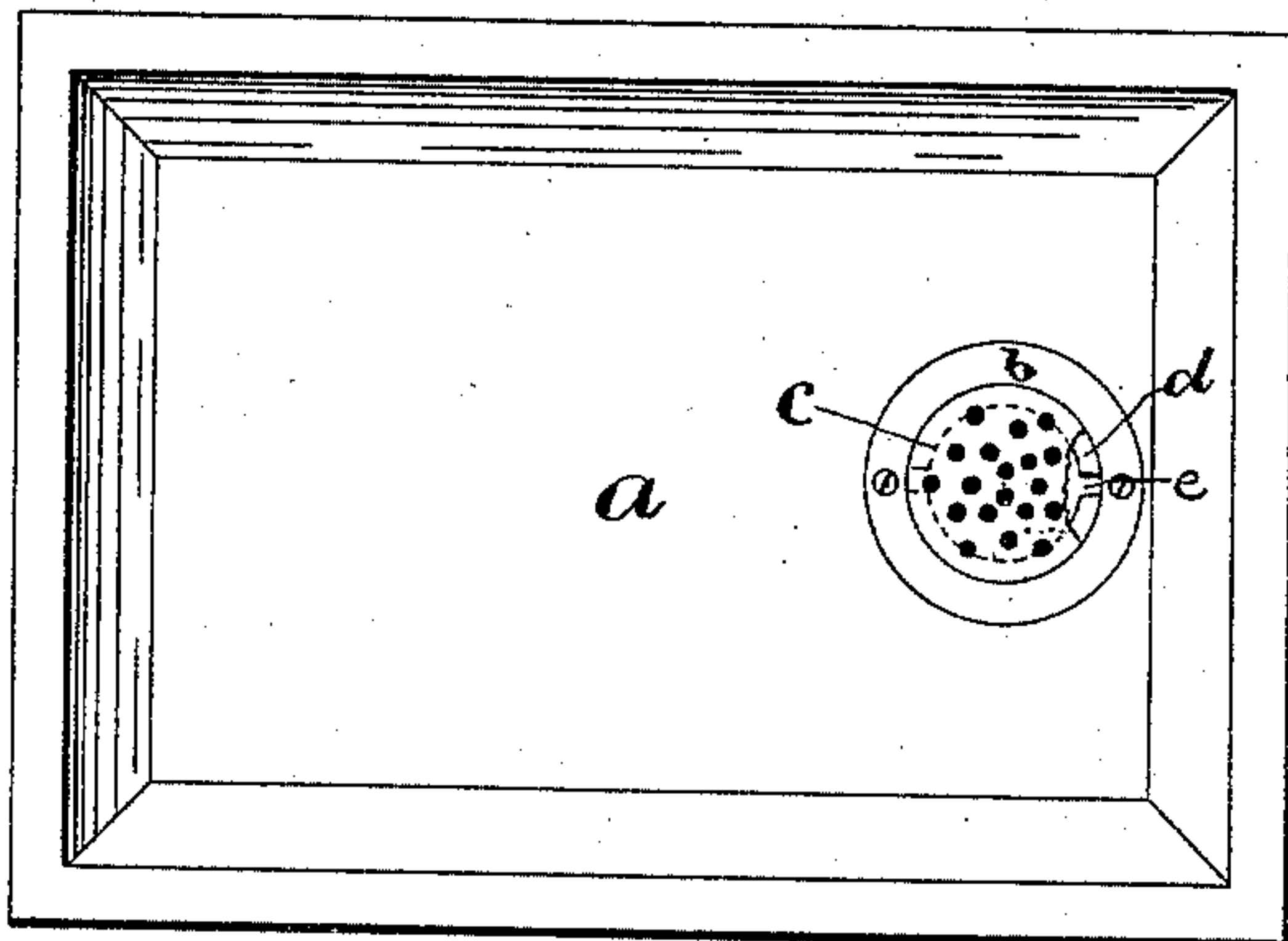


Fig. 1.

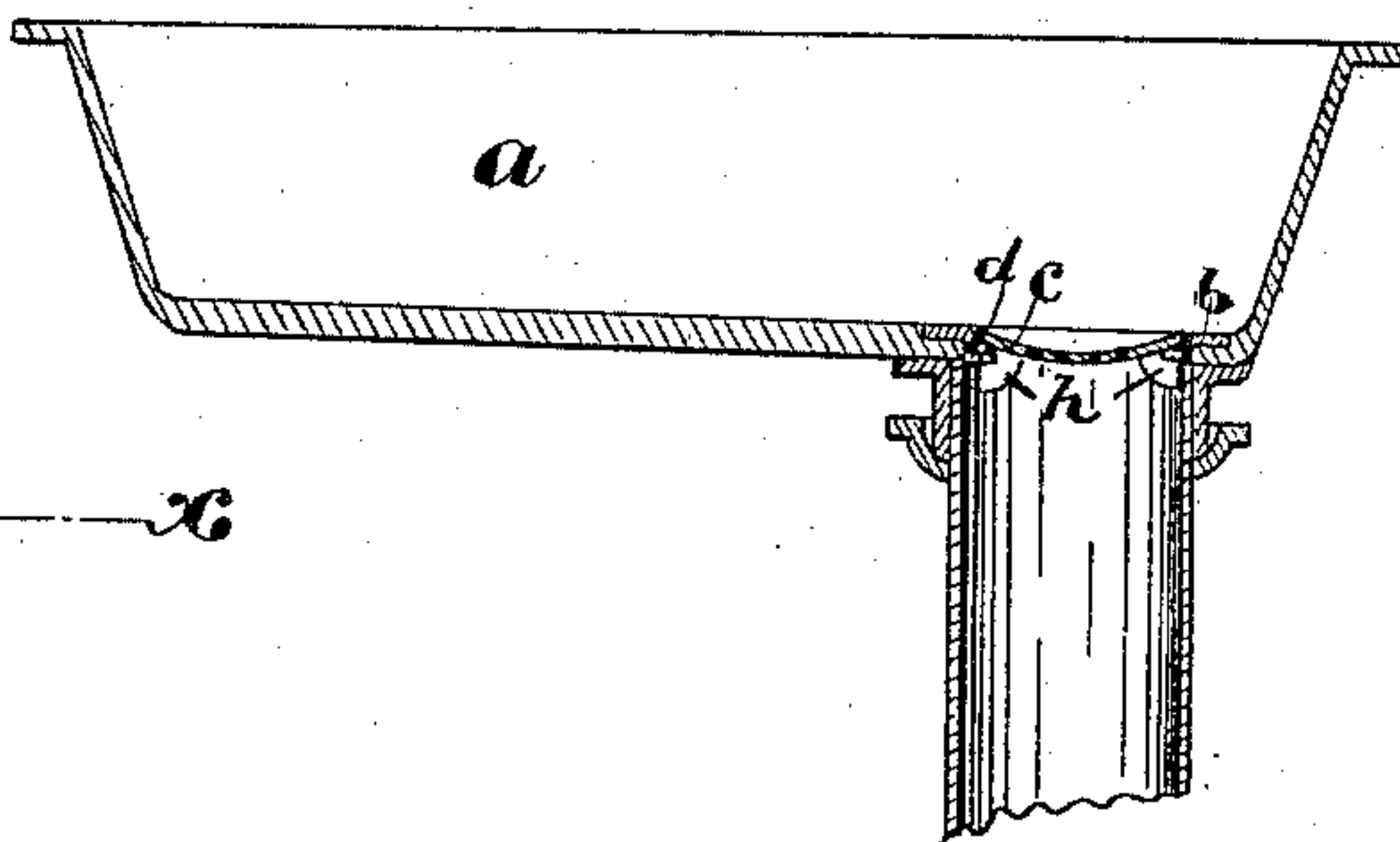


Fig. 2.

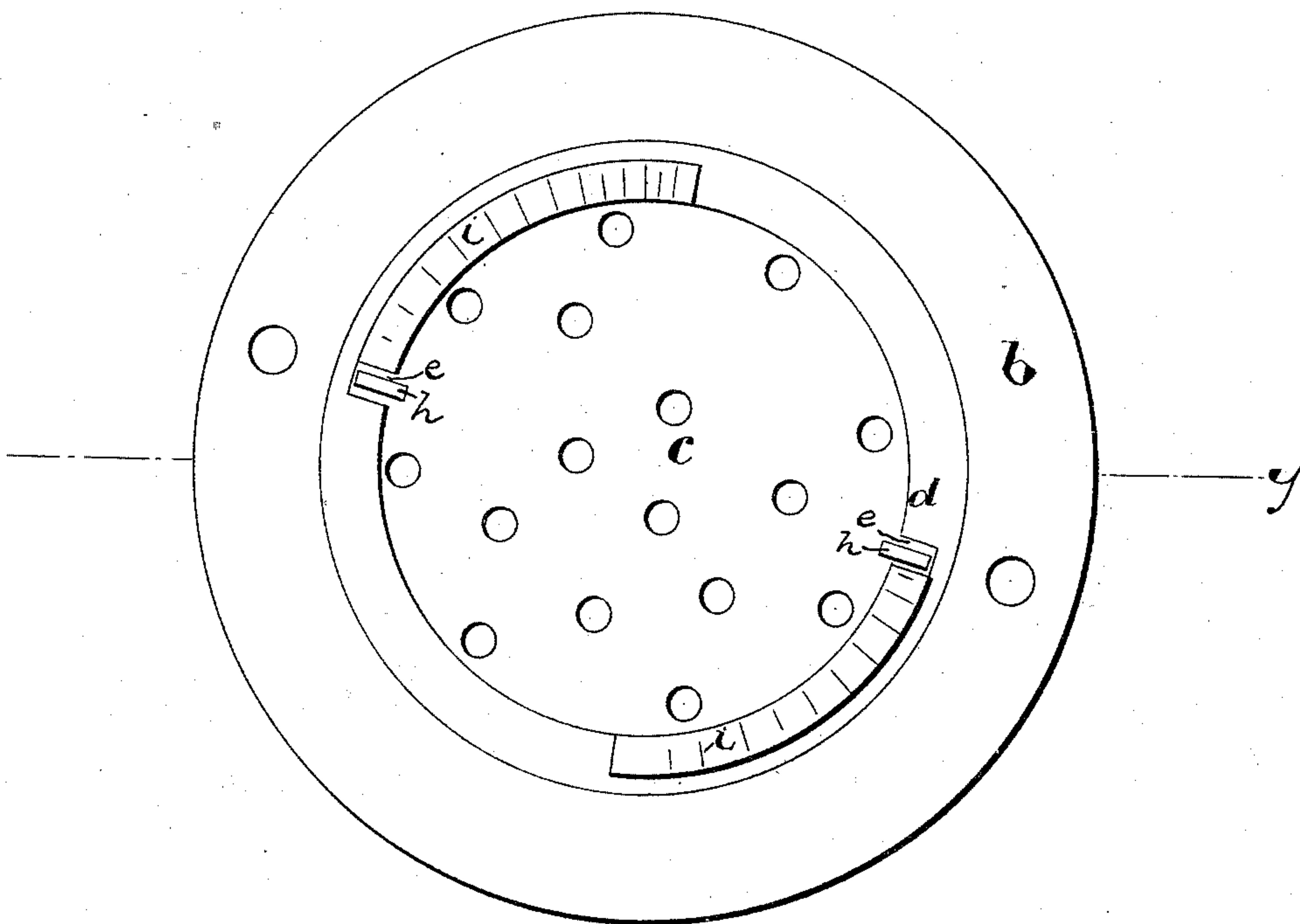


Fig. 3.

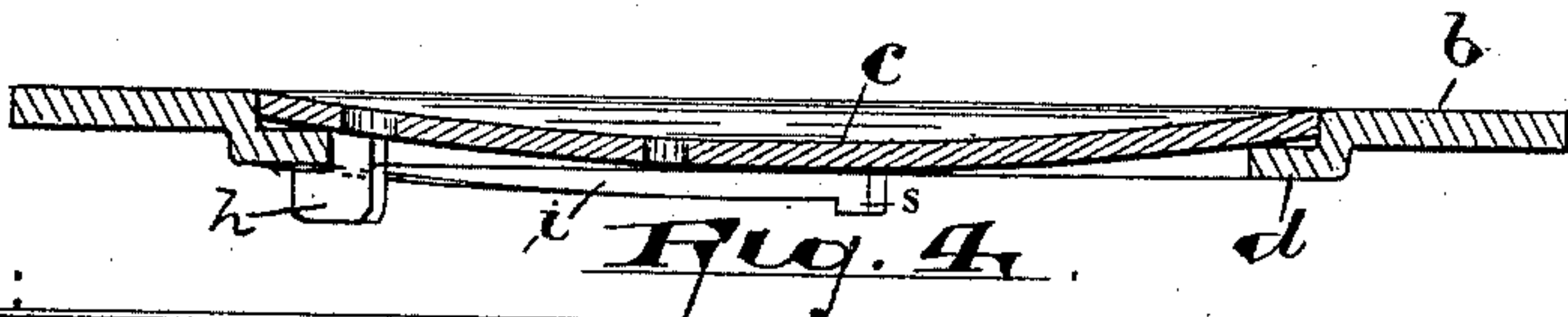


Fig. 4.

WITNESSES:

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HUGO PFOTENHAUER, OF EAST ORANGE, NEW JERSEY; LENA PFOTENHAUER ADMINISTRATRIX OF SAID HUGO PFOTENHAUER, DECEASED.

SINK-STRAINER.

SPECIFICATION forming part of Letters Patent No. 442,999, dated December 16, 1890.

Application filed January 31, 1890. Serial No. 338,767. (No model.)

To all whom it may concern:

Be it known that I, HUGO PFOTENHAUER, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Sink-Strainers; 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 make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

In said drawings, Figure 1 is a plan view of a sink with my improved strainer in connection therewith, broken away to show the construction thereof. Fig. 2 is a section on line *x* of Fig. 1. Fig. 3 is a bottom plan view of my improved strainer detached from the sink, and Fig. 4 is a section thereof through line *y*.

Similar letters of reference indicate like parts where they occur.

The object of this invention is to improve the sanitary condition of sinks, &c., by such a construction as will enable a servant or plumber to clean the strainer, the under side of the ring or seat thereof, and the upper part of the waste-pipe, which is not ventilated, without the labor, difficulty, and expense of removing the bolts, &c., which hold the strainer to the sink.

Another object is to enable the plumber, in case the pipe gets stopped up, to enter a force-pump directly into the pipe without removing said bolts, &c.

The invention consists in making the strainer separate and distinct from the ring or seat in which it rests and capable of being readily and easily removed therefrom by slightly turning the strainer by a suitable key *w* until certain fastening lugs or hooks coincide with notches cut or formed in the edge of the ring, so that the strainer can be readily removed from its seat whenever desired, as will be hereinafter more fully set forth, and finally pointed out in the claims.

Referring to the said drawings, *a* indicates the sink, *b* a ring, and *c* a strainer. Said ring is provided with a flange *d*, extending inwardly and forming a seat to receive and support the strainer *c*, as indicated in the

drawings. Said flange or seat has notches *e*, Fig. 3, cut through it, and on the under or bottom side has inclines *i*, Figs. 3 and 4, extending a short distance from said notches and terminating with a slight projection or shoulder *s*. Said strainer is provided on the under side with hooks or catches *h*, adapted when being coupled to the ring to be passed through said notches and to engage with said inclines, which, the strainer being turned in the proper direction, tend to firmly bind said strainer upon said seat, the shoulders serving to prevent the strainer from being turned too far, as will be readily understood.

The strainer may be easily and quickly removed when is desired to cleanse the parts by turning it in the opposite direction until the catches coincide with the notches aforesaid, as will be obvious.

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

1. In a sink-strainer, the combination of a sink having an annular recess around the outlet, a ring fitting in said recess and having a depressed annular flange provided with notches or openings, inclines leading from each of the openings and reversely arranged, and a strainer seated on the flange of the ring and having hooks which pass through the notches of the flange and ride on the inclines, thus securing the strainer in place and permitting the removal thereof, substantially as described.

2. In a sink-strainer, the combination of the ring having a depressed flange provided with oppositely-arranged openings, inclines on the under face of the flange, provided with stops, and a strainer seated on the flange and having right-angled hooks which pass through the openings of the flange and have their horizontal arm engage and ride on the inclines and be limited by the stops on the inclines, as stated.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of January, 1890.

HUGO PFOTENHAUER.

Witnesses:

OSCAR A. MICHEL,
E. L. SHERMAN.