

No. 814,481.

PATENTED MAR. 6, 1906.

A. SAVARD.
TRAP FOR SINKS, BATH TUBS, AND THE LIKE.
APPLICATION FILED MAY 26, 1905.

Fig 1

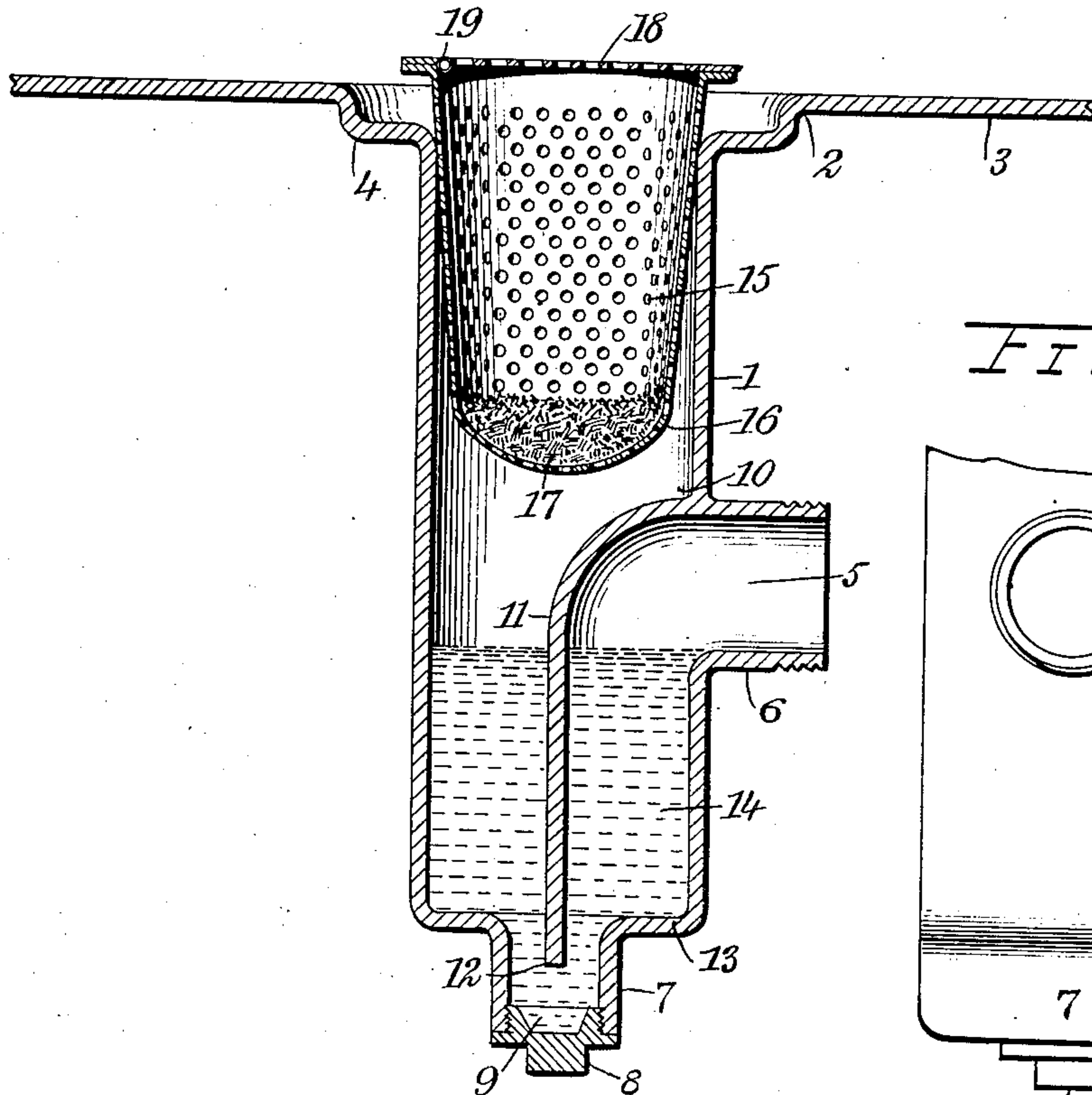


Fig 3

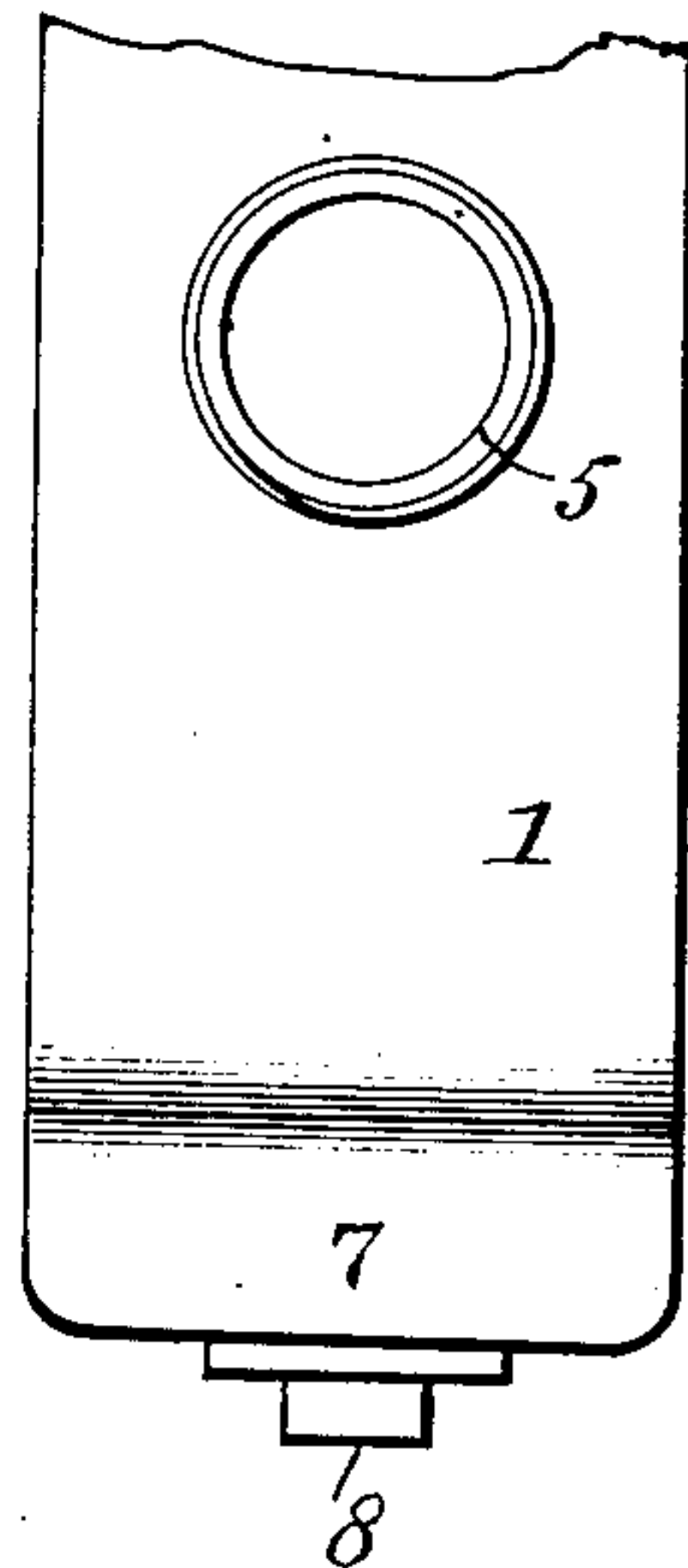
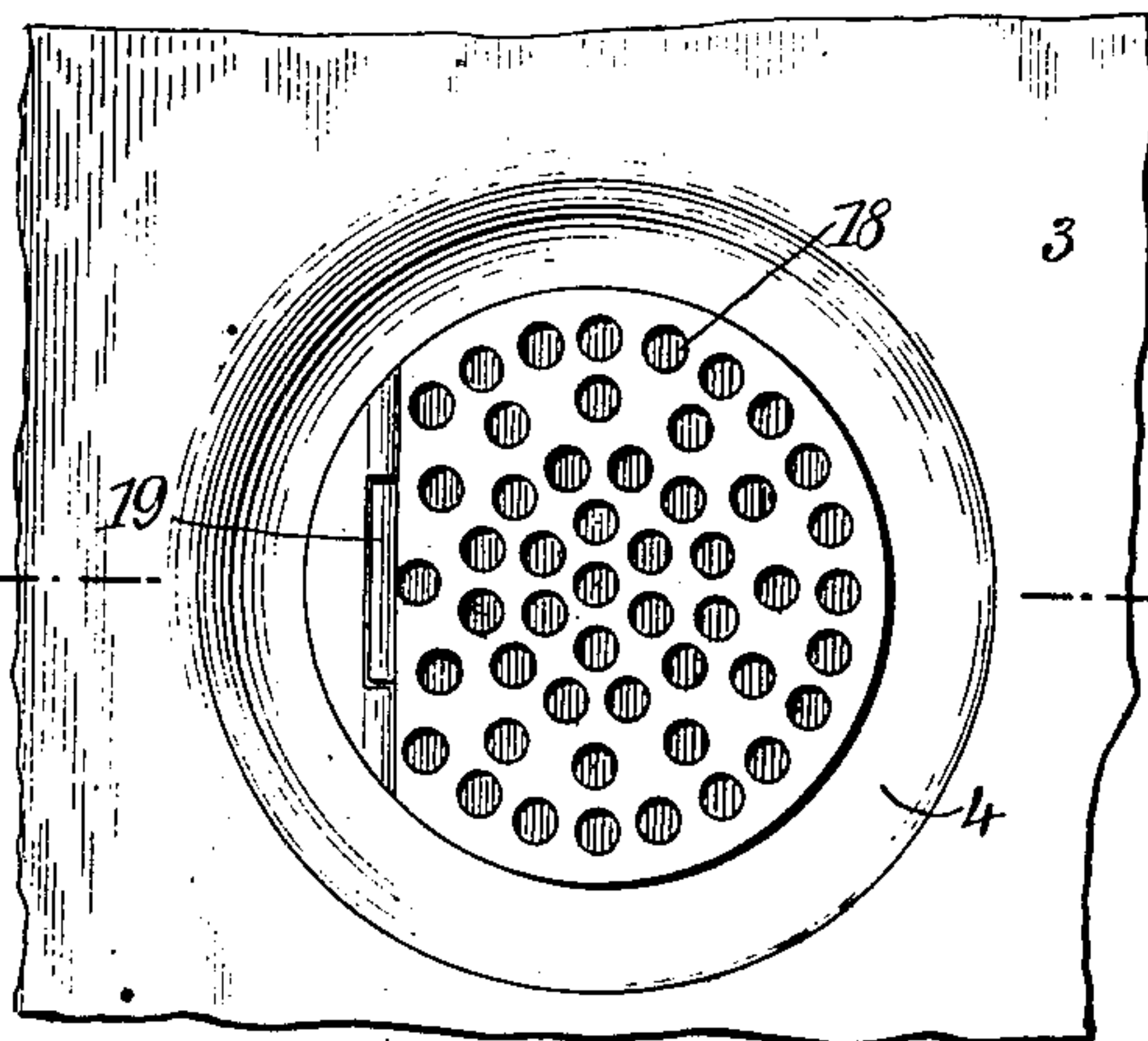


Fig 2



WITNESSES:
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ARTHUR SAVARD, OF OMAHA, NEBRASKA.

TRAP FOR SINKS, BATH-TUBS, AND THE LIKE.

No. 814,481.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed May 26, 1905. Serial No. 262,364.

To all whom it may concern:

Be it known that I, ARTHUR SAVARD, a British subject, and a resident of Omaha, in the county of Douglas and State of Nebraska, have invented a new and Improved Trap for Sinks, Bath-Tubs, and the Like, of which the following is a full, clear, and exact description.

This invention relates to traps; and it consists, substantially, in the details of construction and combinations of parts hereinafter more particularly described, and pointed out out in the claims.

The invention has reference more especially to traps for sinks, bath-tubs, washbasins, and the like, pertaining generally to the type of such devices forming the subject of Letters Patent No. 782,760, granted to me on the 14th day of February, 1905, and wherein is illustrated and described a trap admirably adapted as an attachment for sinks and the like already in use.

One of the principal objects of the present invention is to provide a trap of the character referred to which in its practical entirety forms an integral part of the sink, bath-tub, or washbasin with which it may be associated and which is simple in construction and comparatively inexpensive to manufacture, besides being of easy access for the purposes of cleansing or emptying the same of its accumulated contents and possessing the capacity for long and repeated service.

A further object of the invention is to dispense with several of the elements necessarily employed in the structure of my former Letters Patent referred to and to overcome numerous disadvantages and objections frequently encountered in the use of many other structures hitherto devised with like ends in view.

The above and additional objects are attained by means substantially such as are illustrated in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in the several views.

Figure 1 is a vertical sectional view on the line 1 1 of Fig. 2 of a portion of a sink, bath-tub, washbasin, or the like having my improved trap embodied in connection therewith. Fig. 2 is a top plan view thereof, and Fig. 3 is a view in detail of a portion of the structure looking at Fig. 1 from the right.

Before proceeding with a more detailed description it may be stated that in the form of

my improvements herein shown I employ a specially-constructed receptacle cast integrally with the sink or similar structure with which the same is associated, special means being employed adjacent the outlet-opening of the receptacle for preventing siphoning of the water therein, which forms the seal at the lower part thereof. I also employ a special inner receptacle of suitable perforated or reticulated material, the same being self-supporting in the receptacle first named, so as to be capable of being readily lifted out or removed whenever desired. Other special features of construction are employed, and while I have herein shown my improvements in a certain preferred embodiment it will be understood, of course, that I am not limited thereto in precise detail, since immaterial changes therein may be resorted to coming within the scope of my invention.

Reference being had to the drawings by the designating characters thereon, 1 represents what may be termed the "outer" receptacle or casing of my improved trap, formed integrally at 2 with the sink, bath-tub, or washbasin 3, with which it is intended the trap shall be associated in use, the jointer between the two being effected by means of an annular recessed and outturned flange member 4. (See Fig. 1.) Said outer receptacle is of any desired height and diameter, and formed in the side thereof at a suitable part of its height is an outlet-opening 5, surrounding the edge of which is an externally-threaded tubular branch 6, to which may be fitted the usual outlet or exit pipe. (Not shown.) The lower part of the outer receptacle 1 is of reduced diameter, as shown, thus to form a downward hollow extension 7, which is closed at its lower end by means of a screw-plug 8, fitting within the same and preferably formed in the upper surface thereof with a recess 9, opening to the interior of the said outer receptacle 1, said extension being formed for the full width of the outer receptacle, as shown.

Leading at 10 from the upper edge of the outlet-opening 5 in the outer receptacle 1 is an apron or arched member 11, the lower extremity 12 of which extends below the plane of the upper surface of the bottom 13 of the said receptacle and enters for a suitable extent the interior of the said downward extension 7 thereof. By means of this embodiment siphoning of the water or other liquid 14, forming a seal for the trap, is prevented

and which has been found to be an exceedingly advantageous feature of construction in this class of devices generally, it being noted that the screw-plug 8 may be moved at any time from within the hollow downward extension 7 of the said outer receptacle 1 whenever it may be necessary for any purpose whatever.

Removably seated within the upper end of the outer receptacle 1 is an inner receptacle 16, the sides of which are preferably conical or tapering toward the bottom 17 thereof to facilitate insertion and removal thereof, the upper end of this receptacle being closed by means of a lid 18, hinged at 19, as shown. The entire structure of the said inner receptacle 16 is preferably of foraminated material, because of the fact that it is stronger and better suited in many respects than when made of reticulated material, although it will be understood that the latter material may be employed therefor in some instances. The bottom of the inner receptacle is preferably concaved and intersects with the sides thereof in such manner as to avoid angles and corners, which would be apt to become bent or indented by contact with external objects in the handling of said inner receptacle.

It is thought that the construction and advantages of my improved structure will be fully understood without further detailed description thereof.

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

1. A trap comprising an outer receptacle forming an integral part of a sink, bath-tub or the like and contracted at its lower extremity to form a hollow extension, the latter being for the full width of the receptacle and closed by a screw-plug, an arched member extending from the upper edge of the outlet-opening of said receptacle and having the lower extremity thereof extending below the

plane of the bottom of the receptacle and within the said hollow extension, and an inner receptacle of foraminated material removably fitted within said outer receptacle at the upper part thereof.

2. A trap comprising an outer receptacle forming an integral part of a sink, bath-tub or the like and contracted at its lower extremity to form a hollow extension, the latter being for the full width of the receptacle and closed by a screw-plug, an arched member extending from the upper edge of the outlet-opening of said receptacle and having the lower extremity thereof extending below the plane of the bottom of the receptacle and within the said hollow extension, and an inner receptacle of foraminated material removably fitted within said outer receptacle at the upper part thereof, said inner receptacle being self-seating within the said outer receptacle with the sides thereof tapering downwardly and the bottom thereof concaved.

3. A trap for sinks, bath-tubs or the like comprising an outer receptacle having an outlet-opening therein at one side and formed at its lower end with a downward extension disposed for the full width thereof and provided with a closing device, and an arched member leading from the upper edge of said outlet-opening and extending below the plane of the upper surface of the bottom of the receptacle substantially intermediate of opposite sides of the said downward extension whereby siphoning of the liquid forming the seal for the trap is obviated.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ARTHUR SAVARD.

Witnesses:

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GERALD M. DREW