

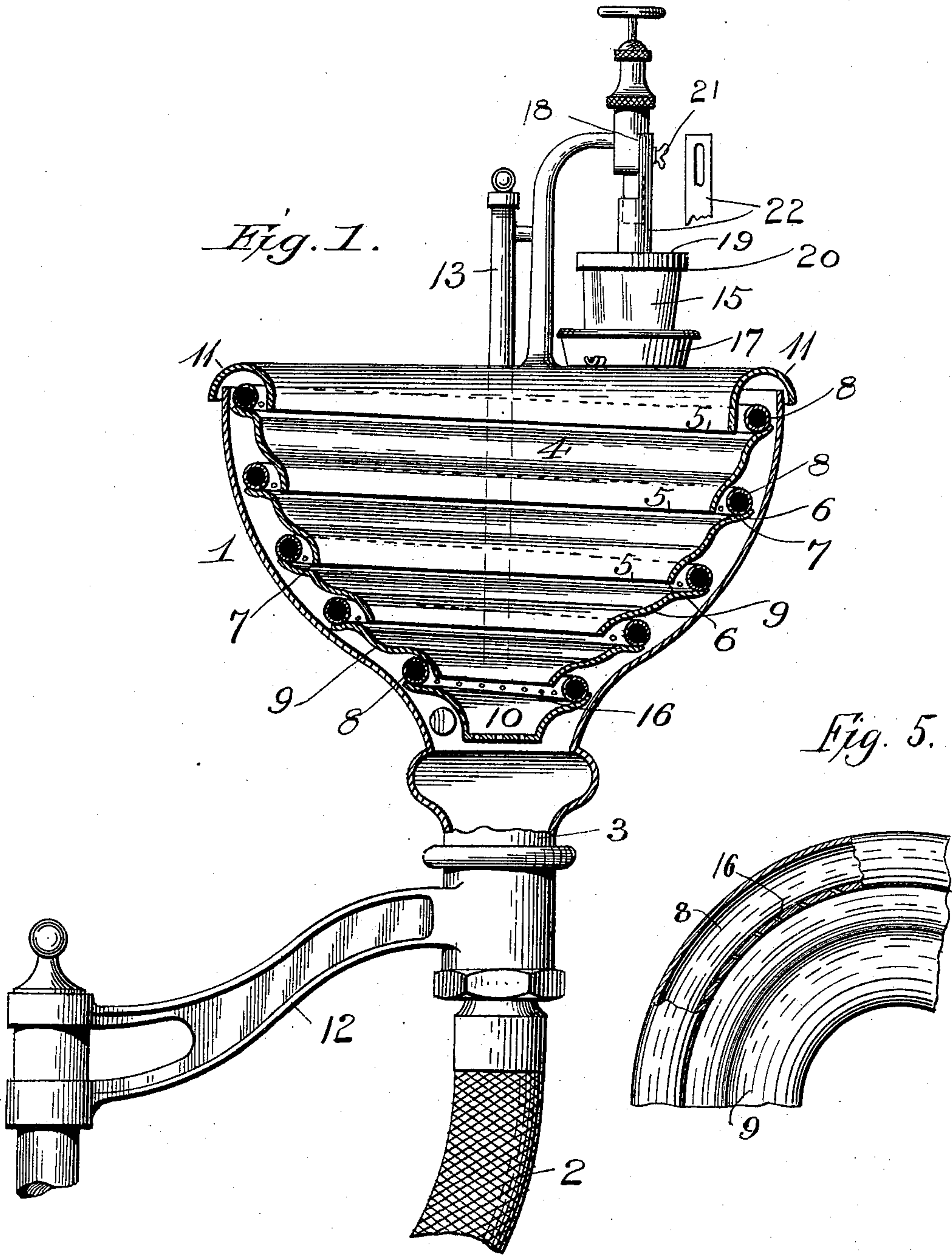
(No Model.)

2 Sheets—Sheet 1.

M. C. MERKER.
CUSPIDOR.

No. 594,117.

Patented Nov. 23, 1897.



Witnesses
F. L. Orvand.
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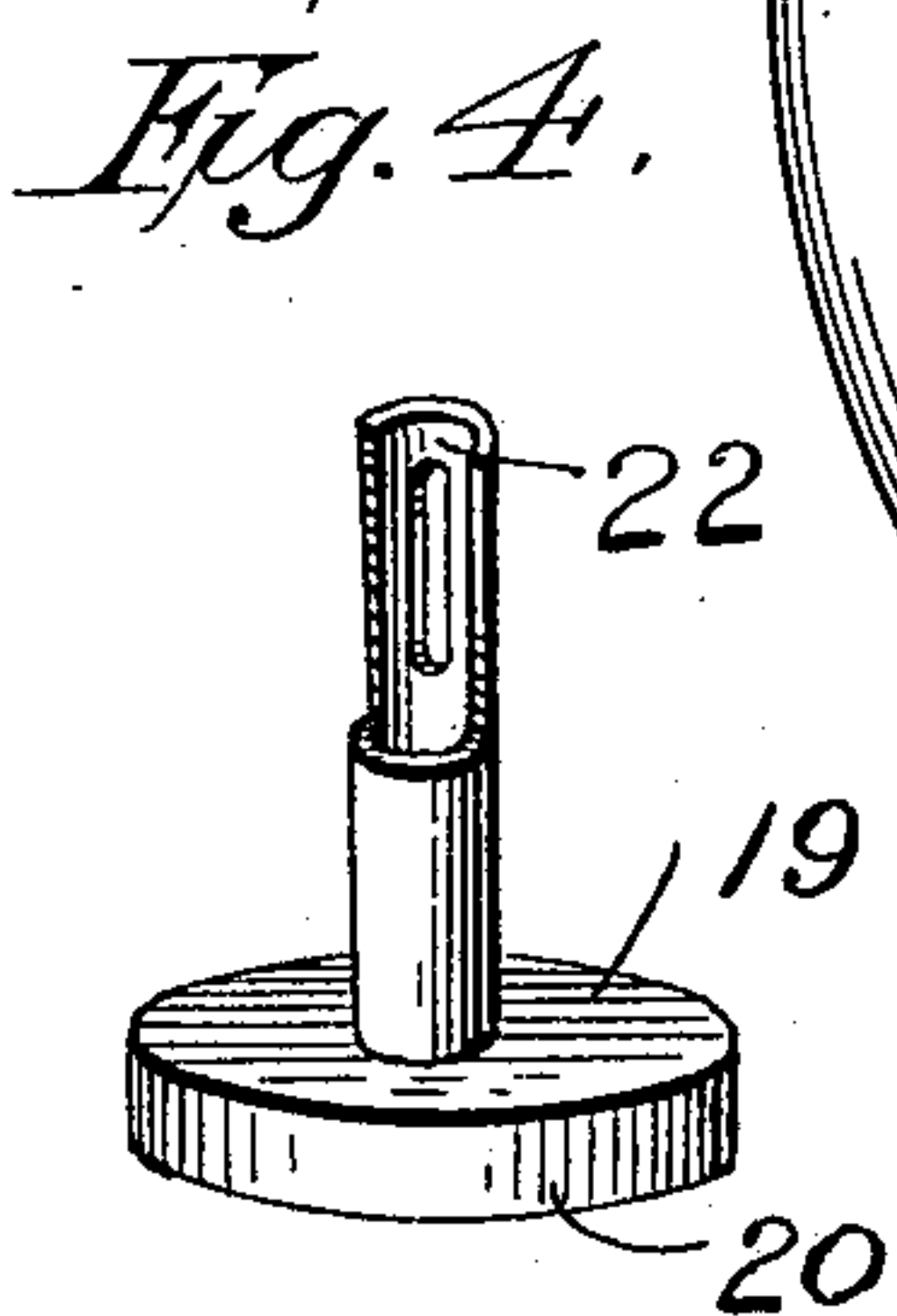
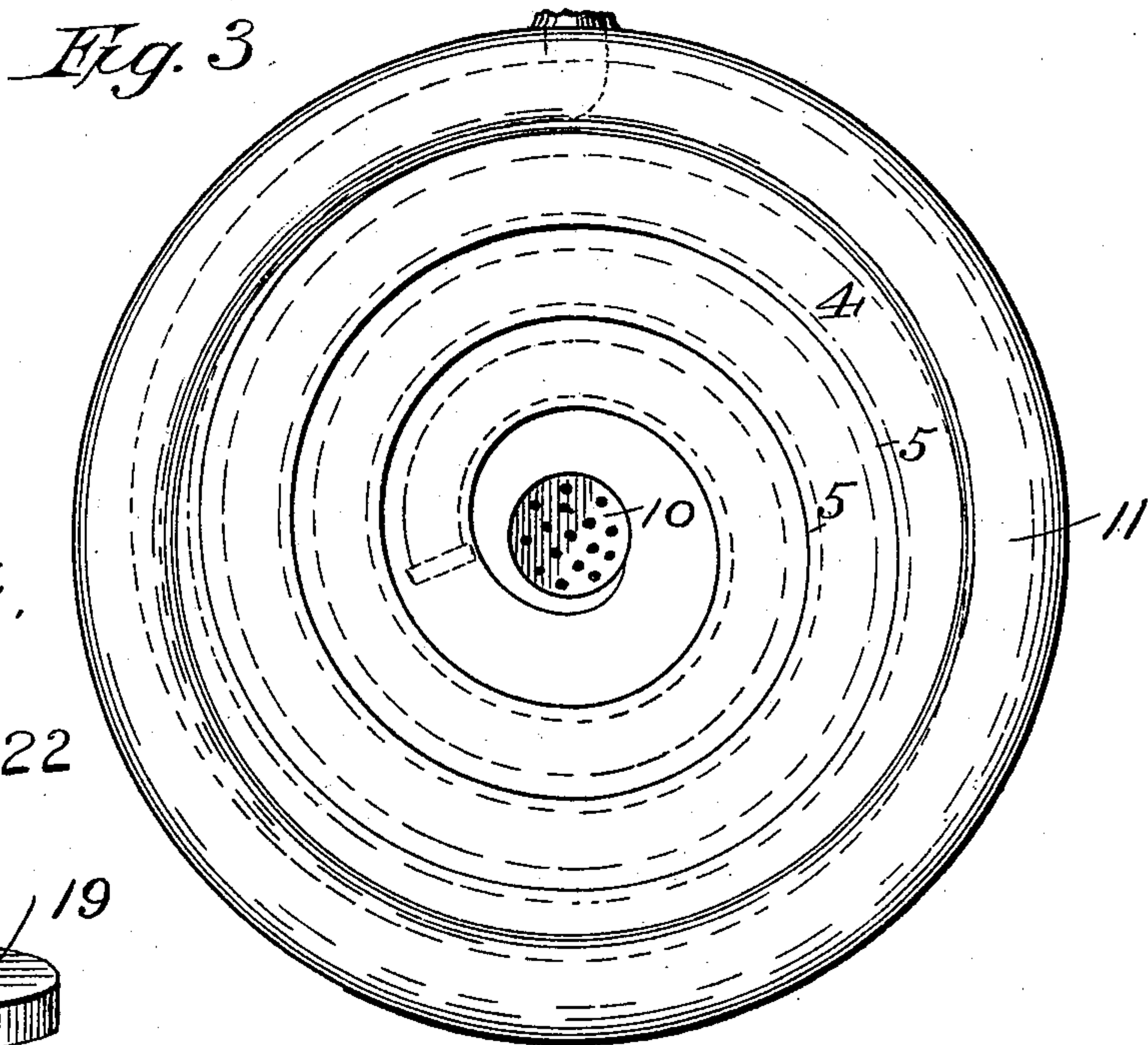
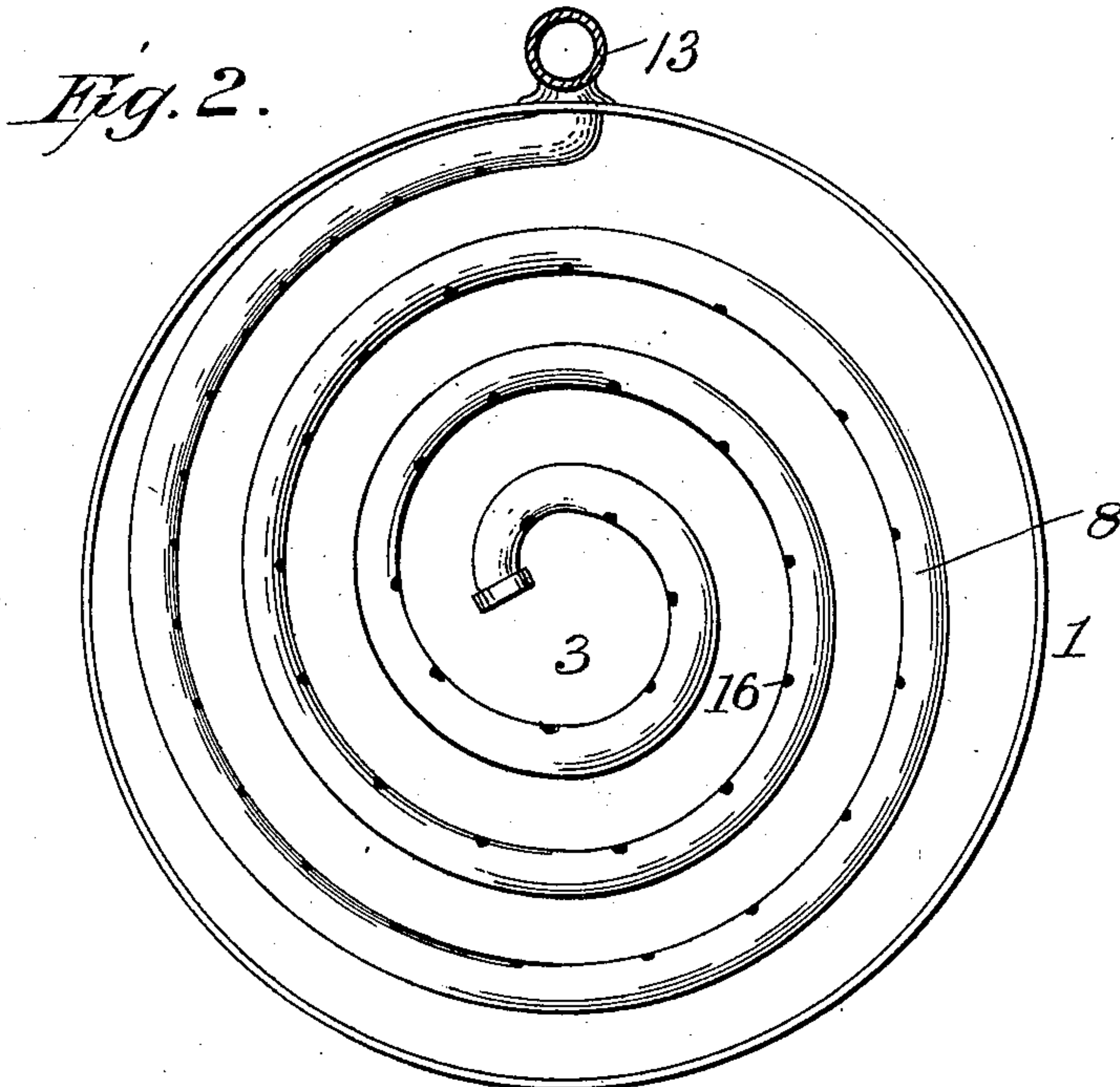
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2 Sheets—Sheet 2.

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No. 594,117.

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UNITED STATES PATENT OFFICE.

MONT C. MERKER, OF PHILADELPHIA, PENNSYLVANIA.

CUSPIDOR.

SPECIFICATION forming part of Letters Patent No. 594,117, dated November 23, 1897.

Application filed July 3, 1897. Serial No. 643,334. (No model.)

To all whom it may concern:

Be it known that I, MONT C. MERKER, a resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Cuspidors; 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 pertains to make and use the same.

The invention relates to spittoons or cuspidors, and has for its object to provide safe, efficient, cleanly, and economical devices for flushing a spittoon, and also for preventing the defilement of the contents of a drinking glass or cup supported in close connection with the spittoon; and the invention consists in the construction hereinafter described and pointed out.

In the accompanying drawings, Figure 1 is a vertical section. Fig. 2 is a plan, the inner lining and the cock and glass-stand being omitted. Fig. 3 is a similar view, the lining being in place. Fig. 4 is a perspective of a glass-cover. Fig. 5 is a section of a detail.

Numeral 1 denotes the outer wall of a spittoon, made with any approved contour and of any preferred material.

2 indicates a waste-pipe.

3 denotes a bottom extension of the outer spittoon-wall for the attachment of the waste-pipe and to receive a supporting-arm either of a stand, chair, table, or other bracket.

Heretofore spittoons have been provided with an inner bowl adapted to be rotated by the force of a jet of water for the purpose of maintaining a film or sheet of flowing water on its inner surface to insure its cleanliness, and in such construction it has been provided that when the discharge-outlet of the said inner rotatable bowl became stopped, by cotton-waste or otherwise, overflow could take place at its upper edge and said overflow descend between the outer and inner bowls to the usual flexible waste-pipe.

It has been found difficult to keep the inner rotating bowl and its connections in such order that it could be rotated by the water, and, further, the upper-rim overflow is undesirable, since the inner bowl must be entirely filled before the overflow begins. In the present improvement the inner lining of

the spittoon consists of or comprises a helical plate or band 4, constituting an inner bowl having a slotted wall. The slot 5, which may be either continuous or broken, is situated between the adjacent edge portions of the band or plate 4, bent in the form of a helix, or approximately in such form. The upper edge portions 6 are situated near the lower edge portions 7 of an adjacent coil and are curved upwardly to fit a supply-pipe coil 8, as shown.

9 denotes a continuous channel formed by a groove or depression extending lengthwise of plate or band 4. As indicated, this channel descends by downwardly-inclined and narrowing curves from near the top of the spittoon to near its bottom.

10 denotes a bottom which may be made integral with the slotted bowl or lining—that is, with the band 4. This bottom can be perforated throughout its whole extent to provide a quick discharge of fluids.

11 denotes the upper edge of the coiled band 4, curved outwardly and downwardly, as shown, to cover the edge of the outer bowl and provide a suitable finish therefor.

The spittoon may be supported, as usual, by a bracket 12, (see Fig. 1,) connected with a stand or other suitable base.

13 indicates a water-supply pipe having its extension coiled into a helix conforming in general outline to the bowl of the spittoon. The supply-pipe is by preference fixed to the spittoon at its junction with the coil, and the discharge-pipe is also attached to the spittoon, and preferably by the medium of an extension 3, and within or near the outer end of the supporting bracket-arm. Five coils 8 of the pipe are indicated, but the number may be varied. They will correspond in number, size, and direction to the coils of the band 4. The lower end of the pipe terminates, preferably, adjacent the bottom 10 and is stopped.

16 indicates fine perforations in the lower part of the pipe-coils adjacent the slot in the inner bowl or lining, and preferably directed toward such slot and, as far as practicable, lengthwise of the channel 9 downwardly to establish a current or currents in said channel around the bowl and helically toward the bottom. The slotted lining constituting the

coiled band or plate 4 is so formed that in assembling the parts it can be loosely inserted in the pipe-helix and rotated until it is screwed down sufficiently to bring the perforated bottom to its proper situation and seat the curved flange 11 upon or partly upon and near the upper pipe-coil, as shown in Fig. 1. The perforations in bottom plate 10 being more numerous than in the prior construction having a pivot attached to said bottom are less liable to be clogged. In case they do become choked the waste fluids can overflow through the lowest part of the slot 5, and should the lower part of the slot prove insufficient in exceptional cases and water accumulate sufficiently then overflow can occur at various higher levels. In practice overflow will ordinarily occur at a lower level and without fouling or wetting the interior of the outer bowl above the level of the lower part of the overflow-slot.

17 denotes a basin of usual construction to hold a glass 15, and 18 is a cock for filling the same. 19 denotes a cover for such glass to prevent accidental fouling of its interior. Said cover may have a skirt or flange 20, as shown. Preferably it has a sliding connection with the body of the supply or cock faucet.

21 denotes a thumb-screw to increase friction between the tubular part 22 of the cover-holder and the cock-body. If the cover be lowered upon the glass, expectoration, dust, and other foreign matters are effectually excluded, and said cover can be easily slid upwardly whenever it is desired to use the glass.

As in effect before stated, the number of the coils in the perforated pipe will correspond in number and situation with those in the band or strip. Any convenient number may be employed. And though the perforations of the pipe are oblique to its wall and directed lengthwise of the channel 9, this direction is not essential in all cases; neither is any particular number of perforations nor any other like detail, and it is obvious that overflow could be provided at different levels without making the slot 5 continuous.

Having described my invention, what I claim is—

1. In combination a spittoon, a perforated or slotted lining therefor, a water-discharge pipe fixed to the outer wall of the spittoon, said pipe holding the lining in a removable manner, substantially as described.

2. A spittoon having an inner wall or lining provided with a downwardly and inwardly inclined open channel and with overflow-openings in combination with means for discharging water into said channel, substantially as described.

3. A spittoon having an inclined wall or lining provided with a downwardly and inwardly inclined open channel and with overflow-openings, said lining consisting of a band bent into helical form, in combination with means for discharging water into said channel, substantially as described.

4. A spittoon having an inner wall or lining provided with a downwardly and inwardly inclined open channel and with overflow-openings in combination with means for discharging water into said channel, said means consisting of a perforated pipe bent in helical form, substantially as described.

5. A spittoon having an inclined wall or lining provided with a downwardly and inwardly inclined open channel and with overflow-openings in combination with means for discharging water into said channel, said means consisting of a perforated pipe bent in helical form, and the lining adapted to be screwed into the helix of pipe, substantially as described.

6. In combination a spittoon, a support for a drinking-glass, a movable cover for said glass, and a water-supply cock the cover having a sliding connection with the body of the cock, substantially as described.

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

MONT C. MERKER.

Witnesses:

JAMES MCCREA,
FRANCIS C. ELY.