

D. V. HADDOCK.
CUSPIDOR.
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939,013.

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Fig. 1.

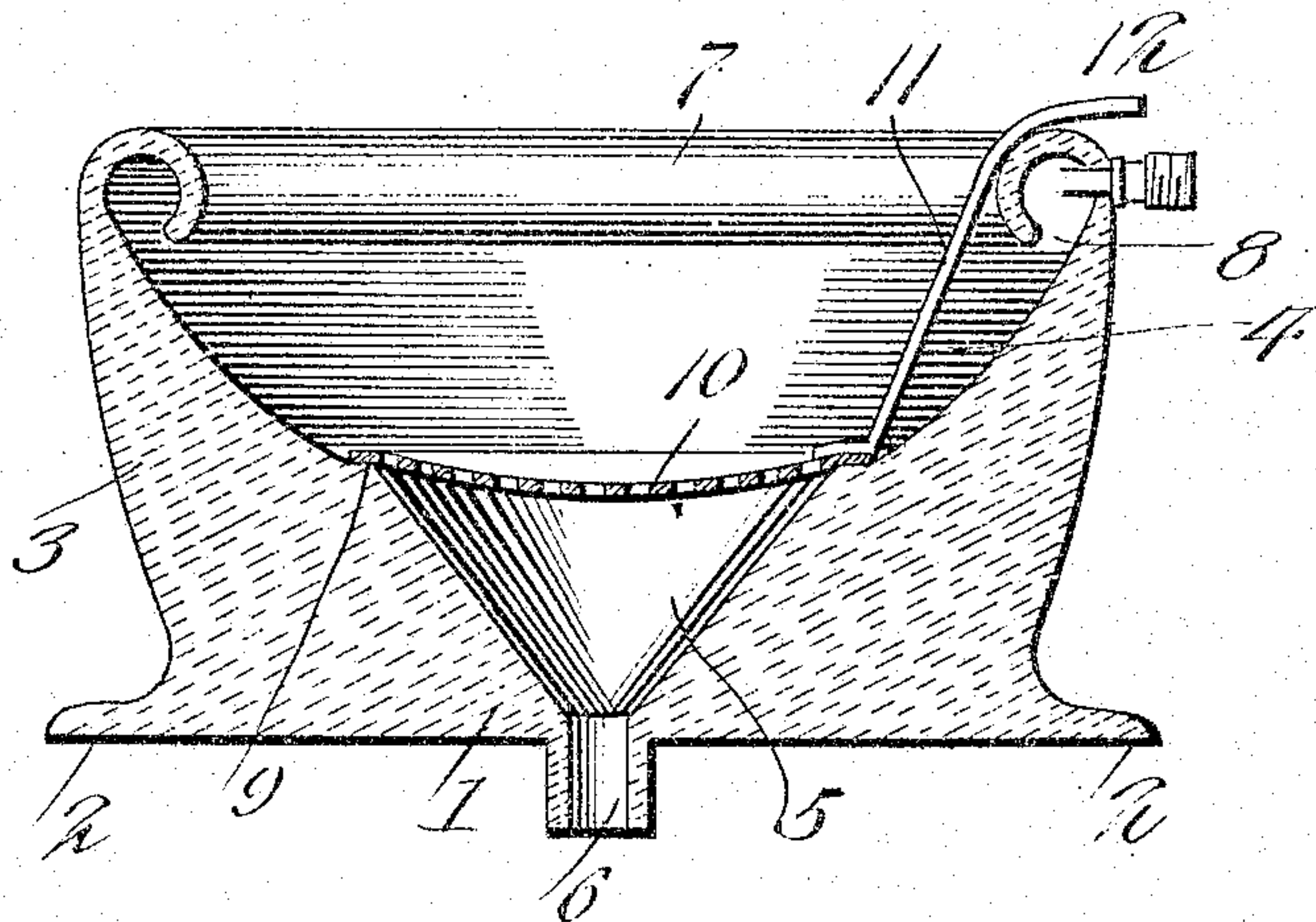


Fig. 2.

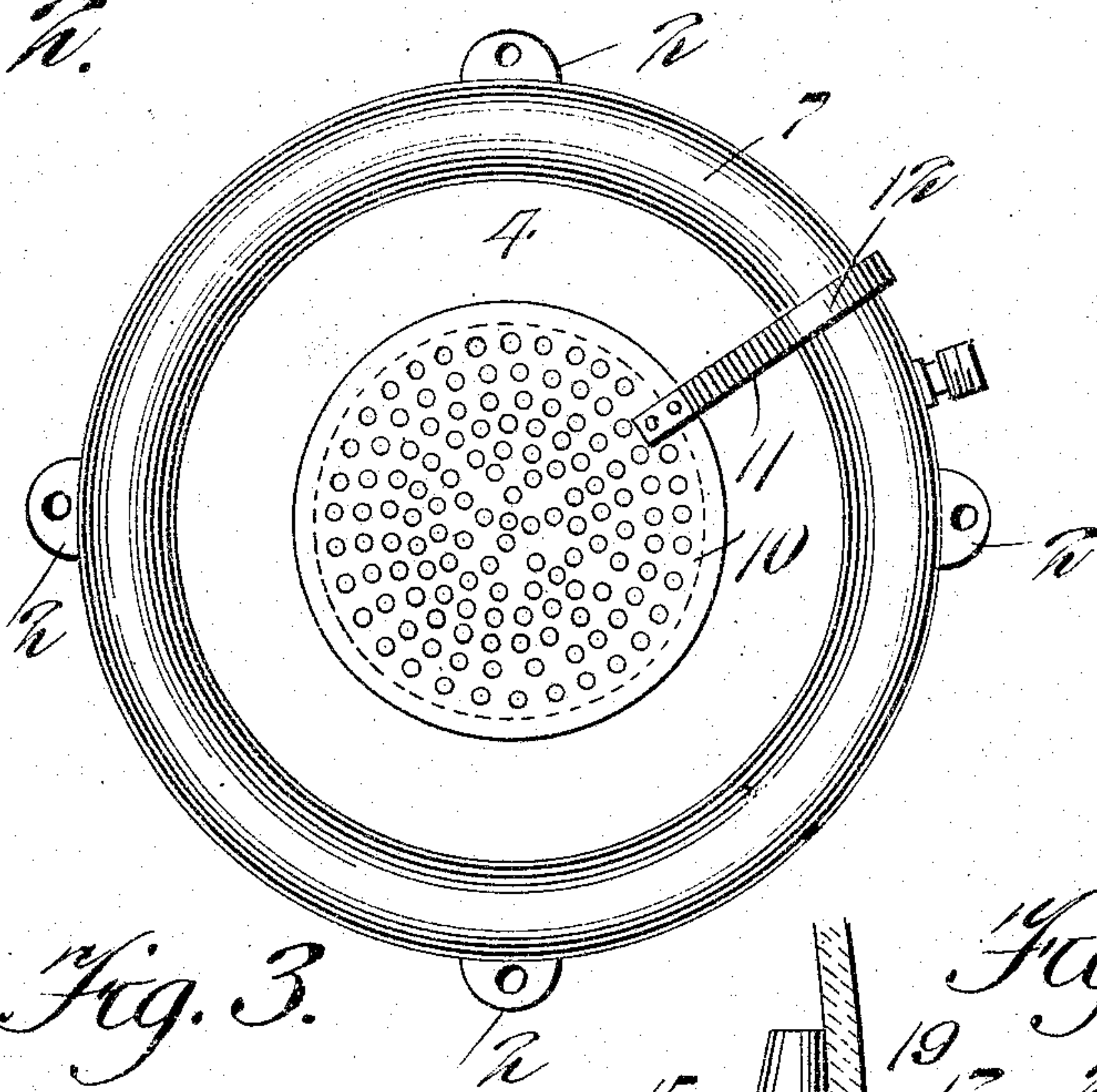


Fig. 3.

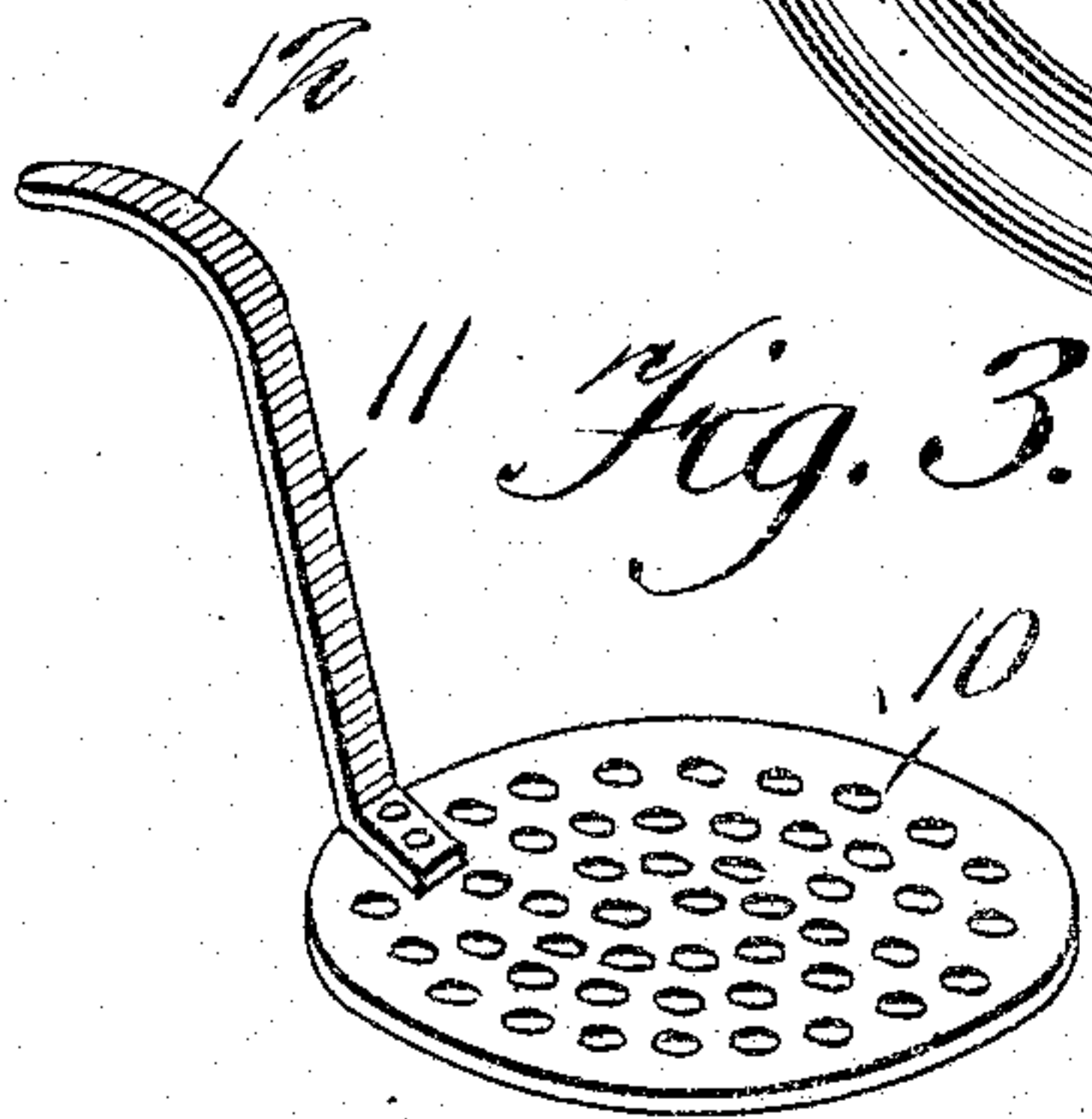
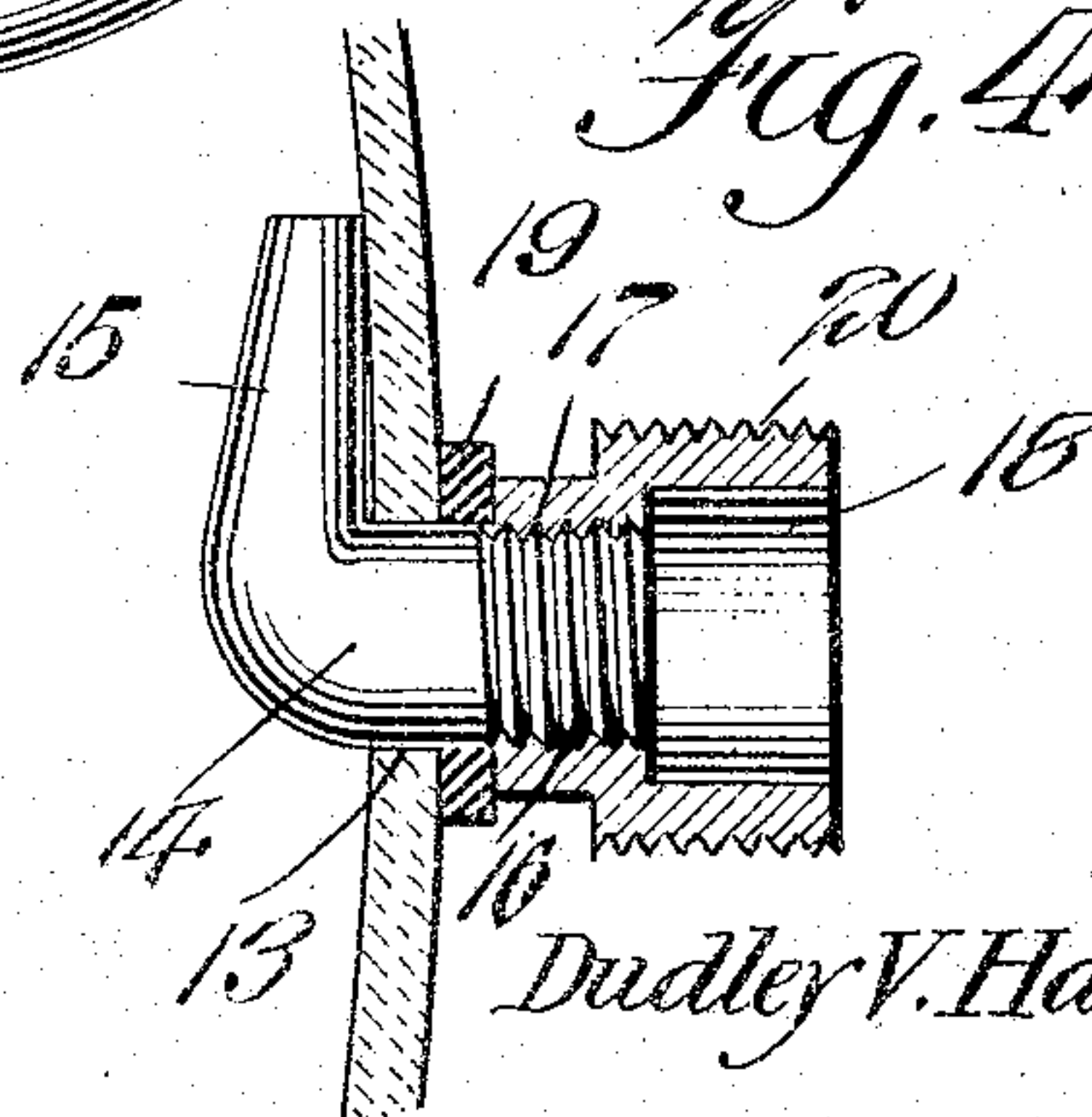


Fig. 4.



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CUSPIDOR.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, DUDLEY V. HADDOCK, a citizen of the United States, residing at St. Petersburg, in the county of Hillsboro and State of Florida, have invented new and useful Improvements in Cuspidors, of which the following is a specification.

This invention relates to improvements in cuspidors, the object of the invention being to provide a sanitary cuspidor in which provision is made for the constant flushing of the cuspidor or its flushing at intervals to wash away and carry off the saliva and other germ bearing substances, and in which provision is also made for retaining all solid substances and other refuse thrown into the cuspidor and for permitting of the ready removal of the same in the operation of cleansing the cuspidor.

A further object is to provide a cuspidor of simple construction which may be permanently secured to the floor without interfering with the proper cleaning of the latter, and which is provided with a removable strainer adapted to permit of the passage of all liquid substances for discharge and to retain all solid substances and which is adapted to be lifted out with such substances in the operation of cleansing the cuspidor at intervals, thus reducing the labor of maintaining the cuspidor in a proper sanitary condition to a material degree.

In the accompanying drawing illustrating the invention, Figure 1 is a vertical transverse section through the cuspidor. Fig. 2 is a top plan view of the same. Fig. 3 is a perspective view of the removable strainer. Fig. 4 is a horizontal section through a portion of the rim of the bowl and the water supply pipe.

In practice, the parts of the cuspidor may be made of porcelain, agate ware, or other suitable material, or of a combination of these or other materials which are durable, proof against rust and adapted to be easily cleaned. As shown, the cuspidor comprises a base 1 provided with perforated ears 2 for the passage of screws or other fastening devices, whereby it may be permanently secured to the floor. Supported by the base 1 is a body 3, within the upper portion of which is formed a receiving bowl or chamber 4. This bowl or chamber is preferably of tapering or conical form and provided

with a central conical outlet 5 communicating at its lower or reduced end with a discharge nozzle 6, which may fit into the upper end of a suitable waste pipe or conductor. The tapered or inclined wall of the chamber 4 flares upwardly and outwardly to a point where it forms an outer portion of reduced thickness with the outer wall of the body, and this portion of reduced thickness is extended inwardly and rolled or inturned to provide a hollow annular rim 7, extending completely around the top of the bowl and communicating at its lower edge with the top of the bowl through the slot or passage 8. This hollow rim is preferably of nearly circular form in cross section, but may be made in any other cross sectional shape. The bottom of the chamber 4 is provided at its point of junction with the upper end of the waste outlet with a horizontally annular seat or shoulder 9. This shoulder is adapted to support a removable dished or convexo-convex perforated strainer plate 10, which forms the bottom of the bowl and is adapted to catch and retain therein all solid substance and prevent the same from entering the waste passage 5, while permitting all liquids to discharge through said passage. This strainer plate is provided at one side with a handle 11 extending upwardly and formed with an outwardly bent upper end 12, adapted to rest upon and project beyond the rim, and forming a grip portion to enable said handle to be readily grasped for the removal of the strainer at any time.

Fitted within an opening 13 formed in the outer wall of the hollow channel or rim is a water supply nozzle 14 having a laterally bent inner end 15 lying in parallel relation to the adjacent side wall of the channel. The outer end of this nozzle is threaded, as at 16, to receive the reduced internally threaded portion 17 of a coupling member 18, between which and the wall of the rim is arranged a washer or gasket 19 adapted to form a water pipe joint, the portion 15 of the nozzle and the washer being clamped against the opposite sides of the wall of the channel by the coupling. The outer portion of the coupling is enlarged to receive the end of a water supply pipe, not shown, and is externally threaded, as at 20, to receive a coupling device of any preferred construction connecting the pipe therewith. The water entering the nozzle passes through the

reduced tip 15 thereof and issues in the form of a jet which flows around the hollow channel 7 and thence down the inclined sides of the bowl. The supply pipe may be suitably
5 valved to control the flow of water, which may be intermittently or continuously supplied to correspondingly flush the bowl, as will be readily understood.

From the foregoing description, it will be
10 understood that the solid substances thrown into the cuspidor will be retained within the bowl, while all liquid and soluble substances will be washed by the current of water from the bowl and through the strainer and dis-
15 charged through the waste pipe. The solid contents may be removed at any time by simply lifting out the perforated strainer, thus enabling the cuspidor to be easily and conveniently cleaned at the expenditure of
20 a comparatively small amount of time and labor. Hence, a sanitary cuspidor is provided which may be connected with the water supply system of the building, and which is of such form as to permit the floor surface
25 to which it is attached to be cleaned without interference.

Having thus fully described the invention, what is claimed as new is:—

1. A cuspidor comprising a receiving bowl
30 having an inwardly turned hollow rim, and provided in its bottom with an outlet and a seat above the outlet, a water supply pipe communicating with the rim, a strainer plate adapted to rest upon said seat, and a handle
35 carried by the plate and having its upper

end bent to form a grip to rest upon the rim and project slightly beyond the same.

2. A cuspidor comprising a bowl having an outlet and a hollow rim, a removable strainer guarding the outlet, a nozzle ex- 40 tending through the outer side of the rim into the channel of the rim and provided with a right angularly bent tapered extremity bearing against said outer side of the rim, a threaded coupling engaging the outer 45 end of the nozzle, and a washer surrounding the nozzle and clamped by the coupling against the wall of the rim.

3. A cuspidor comprising a base carrying a body provided with a conical discharge 50 outlet in its lower portion, a horizontal seat surrounding the upper end of the outlet, and a bowl shaped chamber above the outlet, said chamber having its side wall converging outwardly with relation to the outer wall of the 55 body to form a reduced portion at the upper end of the chamber, said reduced portion being inwardly turned to form a hollow channel, a water supply nozzle entering said channel, a strainer plate resting upon said 60 seat, and a handle carried by the strainer and having a curved free end resting upon the wall of the channel.

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

DUDLEY V. HADDOCK.

Witnesses:

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