

No. 698,786.

Patented Apr. 29, 1902.

N. J. BEAUDIN & N. R. THIBERT.

SANITARY SPITTOON.

(Application filed Aug. 8, 1901.)

(No Model.)

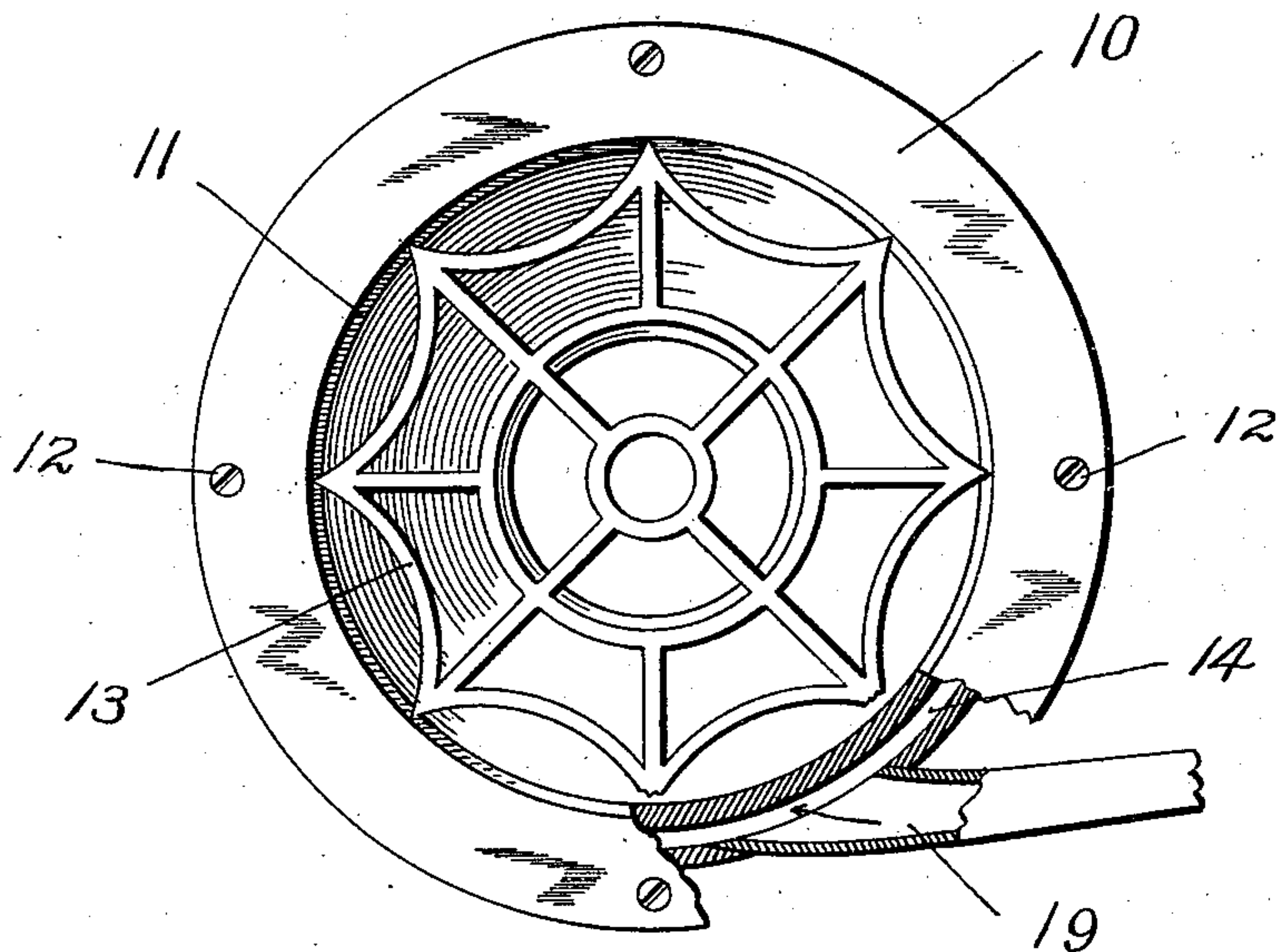


Fig. 1.

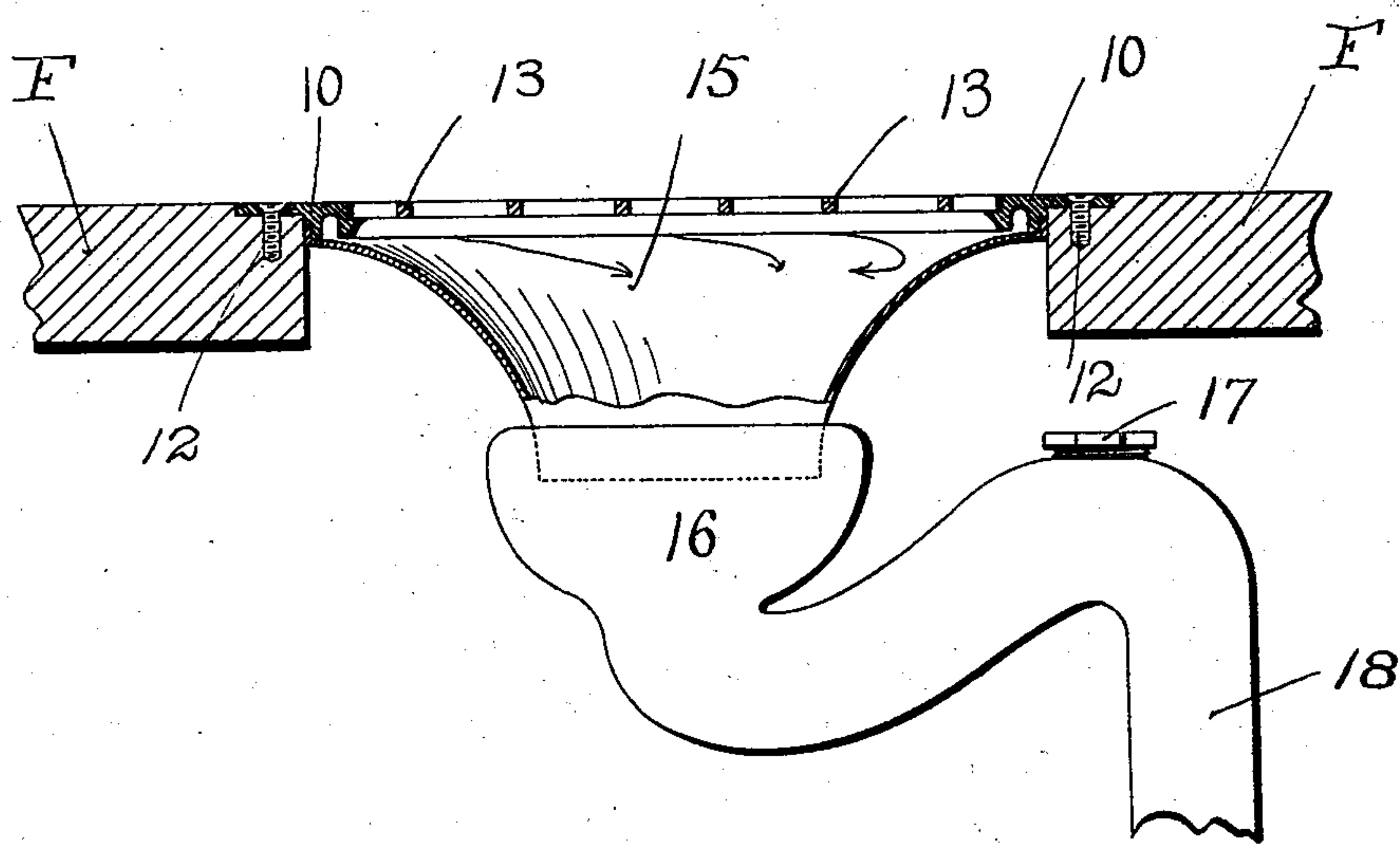


Fig. 2.

Witnesses.

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# UNITED STATES PATENT OFFICE.

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## SANITARY SPITTOON.

SPECIFICATION forming part of Letters Patent No. 698,786, dated April 29, 1902.

Application filed August 8, 1901. Serial No. 71,285. (No model.)

*To all whom it may concern:*

Be it known that we, NAPOLEON J. BEAUDIN and NAPOLEON R. THIBERT, citizens of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Sanitary Spittoon, of which the following is a specification.

This invention relates to a spittoon which is designed so that it can be flushed or cleaned out by a flow of water as frequently as may be necessary.

The especial object of this invention is to provide a simple, efficient, and inexpensive form of spittoon which comprises comparatively few parts arranged to insure an even spiral flow of water around the inner surface of its body portion.

To these ends this invention consists of the spittoon and of the combination of the parts therein as hereinafter described, and more particularly pointed out in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a plan view, partially broken away, of a spittoon constructed according to this invention; and Fig. 2 is a transverse sectional view of the same.

A spittoon constructed according to this invention comprises in its construction a floor plate or casting having an annular distributing-groove on its under side, a sheet-metal body portion which extends down from the floor plate or casting, and a water-supply pipe which is connected substantially tangentially with the distributing-groove. The cross-sectional area of the distributing-groove is preferably less than that of the water-supply pipe and the outlet from the distributing-groove is preferably comparatively narrow, so that when water is turned on to the supply-pipe a considerable pressure will be maintained entirely around the distributing-groove, insuring an even flushing of all parts of the inner surface of the spittoon and a spiral flow of water therein. The sheet-metal body portion at its lower end is connected to a casting or fitting having a return bend or curve forming an ordinary trap connected to an outlet-pipe.

Referring to the accompanying drawings

and in detail, a spittoon constructed according to this invention, as herein illustrated, comprises a floor plate or casting 10, which may be set into and secured in the floor F by screws 12. The floor plate or casting 10 is provided with an annular ledge or shelf 11 for supporting a removable grating or cover 13. On its under side the floor plate or casting 10 is provided with an annular distributing-groove 14. Fitting onto the floor plate or casting 10 and brazed thereon or otherwise secured is a conical sheet-metal body portion 15, which is shaped to leave a narrow annular outlet from the distributing-groove 14. At its lower end the sheet-metal body portion 15 is threaded or otherwise secured in a casting or fitting 16, having a return-bend, which forms a trap and which is provided with the ordinary clean-out plug 17, extending down from which is the outlet-pipe 18. Opening into the annular distributing-groove, preferably substantially tangentially therewith, is a water-supply pipe 19. As illustrated most clearly in Fig. 1, the cross-sectional area of the water-supply pipe 19 is preferably considerably greater than that of the distributing-groove 14, so that when a supply of water is turned on through the water-supply pipe 19 a substantially uniform pressure will be maintained entirely around the distributing-groove 14 and a spiral flow of water will be produced around the entire inside body portion of the spittoon. By means of this construction the spittoon may be flushed out at as frequent intervals as may be required, and where several spittoons are employed they may be connected to a common source of water-supply controlled by a single valve or plug. By means of this construction also by maintaining a slight flow of water through the supply-pipe 19 a comparatively small amount of water may be made to maintain a constant spiral flow around the entire inner face of the spittoon—that is to say, in a spittoon constructed according to our invention by providing for a discharge of water from a distributing-groove formed in the floor-plate itself we have provided a construction in which absolutely the whole inner surface of the bowl is flowed over and flushed by the discharge of water, whereas if it were attempted to form



the distributing-groove in the bowl itself—  
as, for example, in the construction of ordi-  
nary closet-bowls—that portion of the bowl  
above the discharge-opening for the water  
5 would not be washed or flushed out, and hence  
would form a lodging-place in which refuse  
and filth would collect, no such lodging place  
for the collection of filth being possible in  
spittoons constructed according to our inven-  
10 tion, the passage of water from a distribut-  
ing-groove in the floor-plate itself flushing  
the bowl to its very top.

We are aware that numerous changes may  
be made in the construction of our spittoon  
15 by those who are skilled in the art without  
departing from the scope of our invention as  
expressed in the claims. We do not wish,  
therefore, to be limited to the construction  
we have herein shown and described; but

20 What we do claim, and desire to secure by  
Letters Patent of the United States, is—

1. As an article of manufacture, a spittoon  
comprising a floor-plate having an annular  
distributing-groove on its under side, a water-  
25 pipe connected substantially tangentially to  
the distributing-groove, and a sheet-metal  
body portion secured to the floor-plate so as  
to leave a narrow discharge-opening between  
the sheet-metal body portion and the inner  
30 edge of the distributing-groove, whereby a

spiral discharge of water will be secured over  
the entire inner surface of the body portion  
from its upper edge downward.

2. As an article of manufacture, a spittoon  
comprising a floor-plate 10 adapted to be set 35  
into and secured by screws 12 in place in a  
floor, and having a supporting-ledge 11 for  
detachably receiving a grating 13, and hav-  
ing on its under side an annular distributing-  
groove, a supply-pipe 19 connected to the 40  
distributing-groove, and a sheet-metal body  
portion secured to the floor-plate so as to  
leave a narrow discharge-opening between  
the body portion and the inner edge of the  
distributing-groove, so that the entire inner 45  
surface of the body portion from its upper  
edge down will be flushed by the discharge  
of water from the distributing-groove, and a  
fitting 16 connected with the lower end of the  
body portion, and having a return-bend form- 50  
ing a trap, substantially as described.

In testimony whereof we have hereunto set  
our hands in the presence of two subscribing  
witnesses.

NAPOLEON J. BEAUDIN.  
NAPOLEON R. THIBERT.

Witnesses:

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JOHN F. CROWELL.