

S. J. VAN STAVOREN.  
Cuspadore.

No. 206,843.

Patented Aug. 6. 1878.

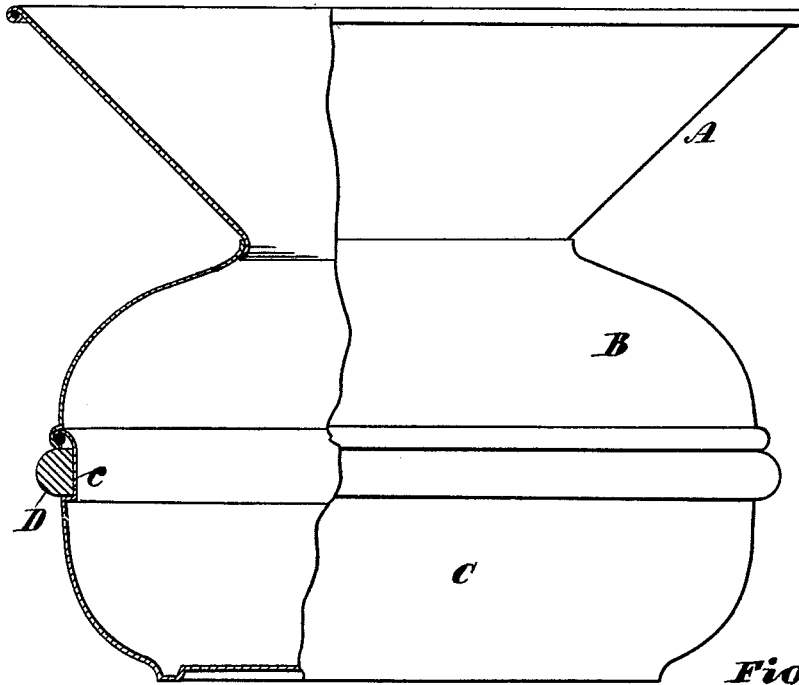


Fig. 1

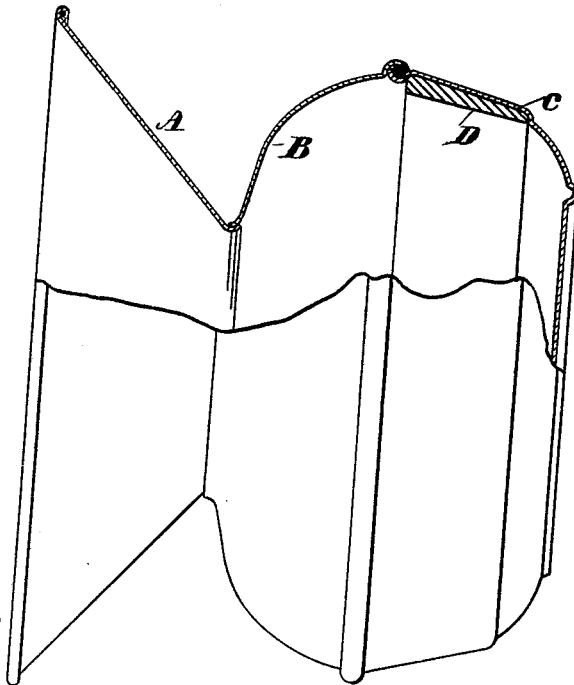


Fig. 2

Witnesses  
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# UNITED STATES PATENT OFFICE.

SAMUEL J. VAN STAVOREN, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN CUSPADORES.

Specification forming part of Letters Patent No. **206,843**, dated August 6, 1878; application filed August 14, 1877.

### *To all whom it may concern:*

Be it known that I, SAML. J. VAN STAVOREN, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improved Cuspadore; 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 it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figures 1 and 2 are broken elevations, partly in section, showing the cuspadore in an upright and fallen position.

My improvements have relation to that class of cuspadores of which the patent of Heath, dated October 10, 1871, No. 119,706, shows the principle—viz., a loaded base to self-right or counterbalance the vessel when upset; and my invention has for its object to improve the mechanical construction of these articles, so as to dispense with the double loaded bottom heretofore generally used, and to better adapt them to be made of light material, such as spun metal or papier-maché.

My invention consists in making the throat, breast, base, and bottom of material such as suggested, of even, or about even, thickness throughout, such thickness being as slight as may be consistent with strength, and in providing a counterbalancing and strengthening ring or collar located at the junction or joint of the breast and base, said ring or collar being of such gravity as to cause the vessel to self-right when upset.

Referring to the accompanying drawing, A designates the flaring throat, B the breast, C the base, and E the bottom, of a cuspadore of the usual form or shape. These parts are designed to be made of light material, such as spun metal or papier-maché, and to be of the same or even thickness throughout, there being no double bottom, such as is generally employed for loading purposes.

D represents a heavy ring or collar, made preferably of cast-iron, and affixed to the cuspadore, either inside, as shown in Fig. 2, or

outside, as shown in Fig. 1, below the breast and at or about the junction or joint of said breast with the base.

If spun metal be employed as the material for making the vessel, the edges of the breast and body will be turned over or lapped upon the ring or collar D; while if papier-maché or equivalent material be employed it will be formed or molded over or around said ring, either wholly or in part. Said ring, as already suggested, must be of such gravity as to cause the vessel to self-right after being upset. It also subserves the further valuable purpose of strengthening and staying the vessel on the line where it is usually touched by the foot in moving along the floor, and which also strikes the latter when the vessel upsets. It thus permits the vessel to be made of very light material, and yet possess great strength and endurance.

As the bottom of these and kindred vessels is the part which usually wears out first, owing to the corrosion resulting from moisture, and as this vessel has a bottom of single thickness, it follows that a spun-metal cuspadore constructed with the improvement herein described can have a new bottom inserted, when required, by any common tinsmith at slight expense, whereas when a double bottom for holding the loading, such as heretofore has been generally employed, becomes worn out it cannot be replaced except by an expert, and at considerable expense.

What I claim as my invention is—

A cuspadore having a flaring throat, breast, base, and bottom of even thickness throughout and a heavy ring or collar secured thereto at the intersection or joint of said breast and base, serving to brace and strengthen the vessel at said joint, and to self-right it when upset, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of August, 1877.

SAML. J. VAN STAVOREN.

Witnesses:

G. DANL. CONNOLLY,  
JNO. A. BELL.