

(No Model.)

A. STEWART.
CUSPIDOR AND SIMILAR VESSELS.

No. 266,548.

Patented Oct. 24, 1882.

Fig. 1.

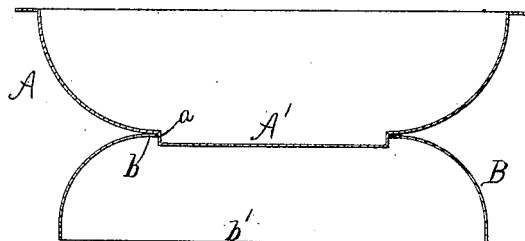


Fig. 2.

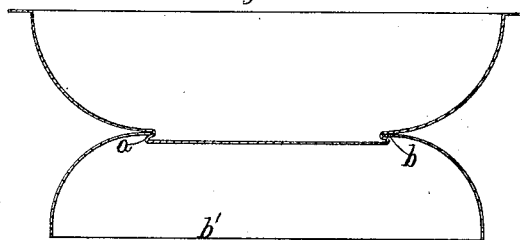
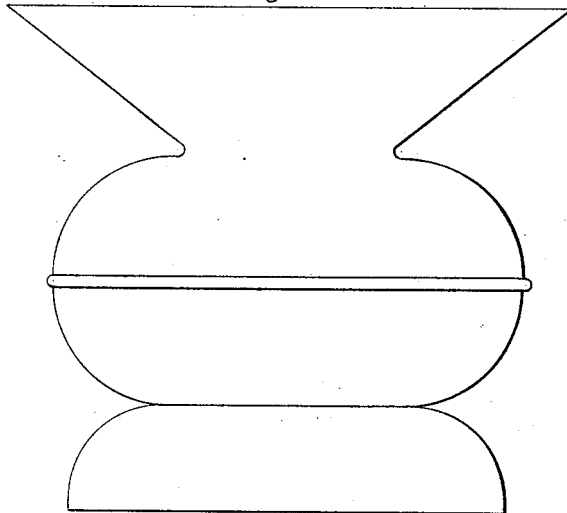


Fig. 3.



WITNESSES:

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ATTORNEYS

UNITED STATES PATENT OFFICE.

ALEXANDER STEWART, OF PHILADELPHIA, PENNSYLVANIA.

CUSPIDOR AND SIMILAR VESSELS.

SPECIFICATION forming part of Letters Patent No. 266,542, dated October 24, 1882.

Application filed July 21, 1882. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER STEWART, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Cuspidors and Similar Vessels; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, in which—

Figures 1 and 2 are sectional views of the lower portion of improved cuspidor. Fig. 3 is a side view of complete cuspidor.

My invention has for its object to provide new and useful means and a new method of fastening the foot of a cuspidor or other similar vessel made of sheet metal to the body or breast thereof.

Heretofore the foot and breast or body of a cuspidor have been united by soldering. This method is tedious and very frequently produces an ungainly joint, as also the adherence of parts or drops of solder to the metal outside of or distant from the joint, which has to be removed before polishing or plating is effected.

My invention aims to dispense with soldering and to produce a union of the foot and body by the formation of a joint by pressure, whereby the metal of the bottom of the breast or body is turned or pressed over a flange on the upper edge of the foot, the parts being thereby firmly fastened together.

Referring to the accompanying drawings, A indicates the breast, and B the foot, of a cuspidor, the former being a saucer-shaped shell and the latter a conical ring. These parts I produce by the aid of suitable dies and a press, stamping them out of flat sheets of brass. The breast A has a sunken bottom, A', the side wall of which is indicated by the letter *a*, while the foot B has a horizontal flange, *b*, which projects inwardly over its central opening, *b'*.

To unite the parts, the bottom of the breast is passed through the opening in the foot, the

parts occupying the position shown in Fig. 1.

The foot being duly supported, pressure is now applied to the bottom, so as to cause its side wall, *a*, to bend over and form a lap on the flange *b* of the foot, thus producing a tight joint between and perfect union of the foot and breast or body.

The improvement, though mainly intended for cuspidors, is applicable to other sheet-metal vessels having a foot and a bottom which is integral with the breast, and which are designed to hold fluids.

I do not claim broadly a body of any construction united by a lap-joint to a foot, my invention having reference only to that class of vessels which are designed to hold fluids and which have closed bottoms.

I am aware that the bottomless body of a coal-hod has been united to a bottom and foot struck up in one piece by the joint used herein; but the described construction of my invention permits the body and foot to be each of a single piece of metal, annular and without seam, the foot being a ring and the body a cup with the bottom integral therewith, said body being thus water-tight.

What I claim as my invention is—

1. The combination of breast or body A, having sunken bottom A', with foot B, having flange *b*, the wall *a* of said bottom being lapped over the flange of said foot, substantially as shown and described.

2. The combination of seamless body A, having the depressed portion A' integral therewith, with the seamless foot B, provided with an opening receiving said depressed portion, and a flange, *b*, a portion of A' being lapped over and pressed against flange *b*, substantially as described and shown.

In testimony that I claim the foregoing I have hereunto set my hand.

ALEXANDER STEWART.

Witnesses:

ANDREW ZANE, Jr.,
WM. A. McCOWEN.