J. C. MOORE.

CUSPADORE.

No. 170,883. Patented Dec. 7, 1875.

Fig 1

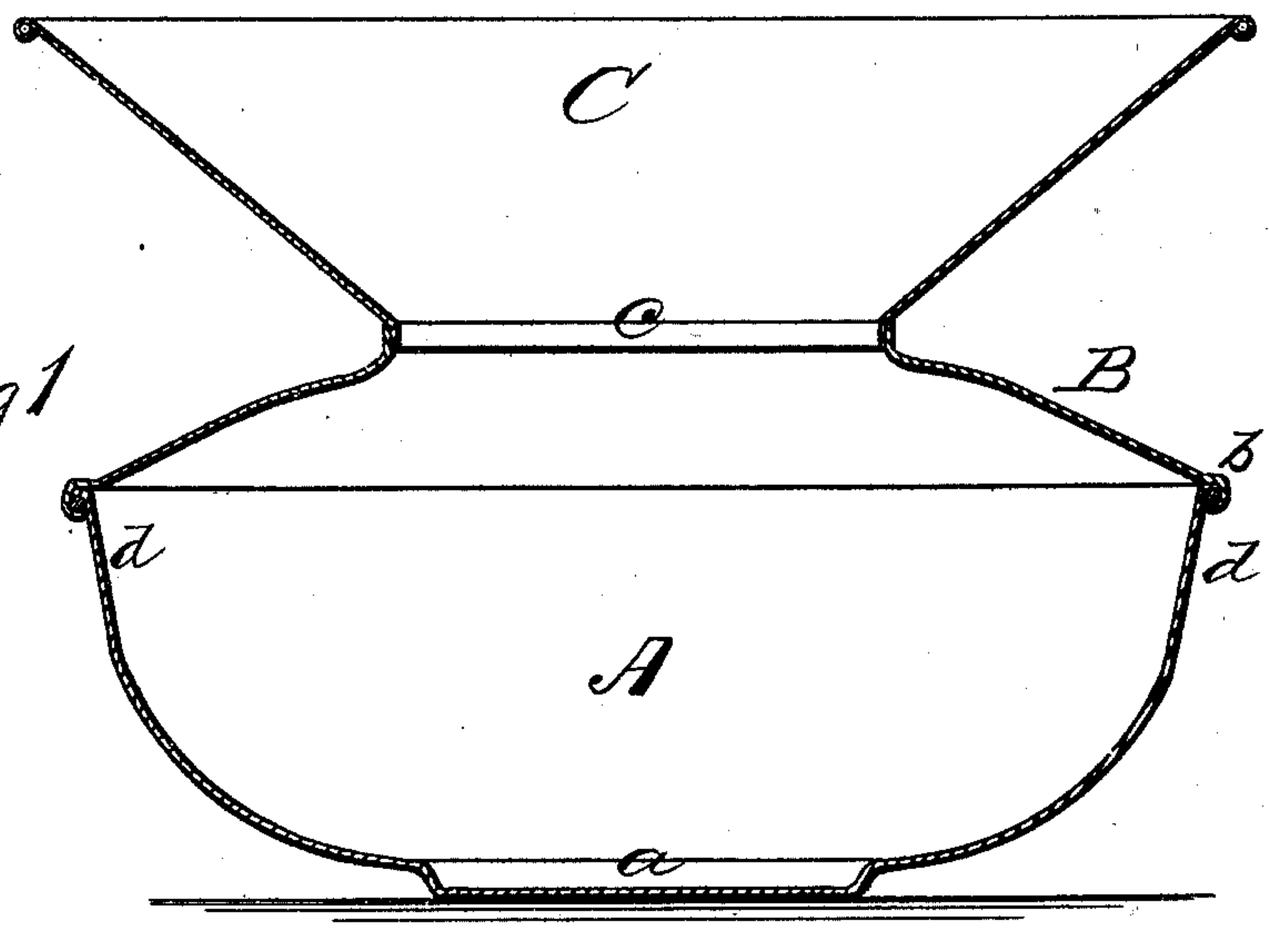
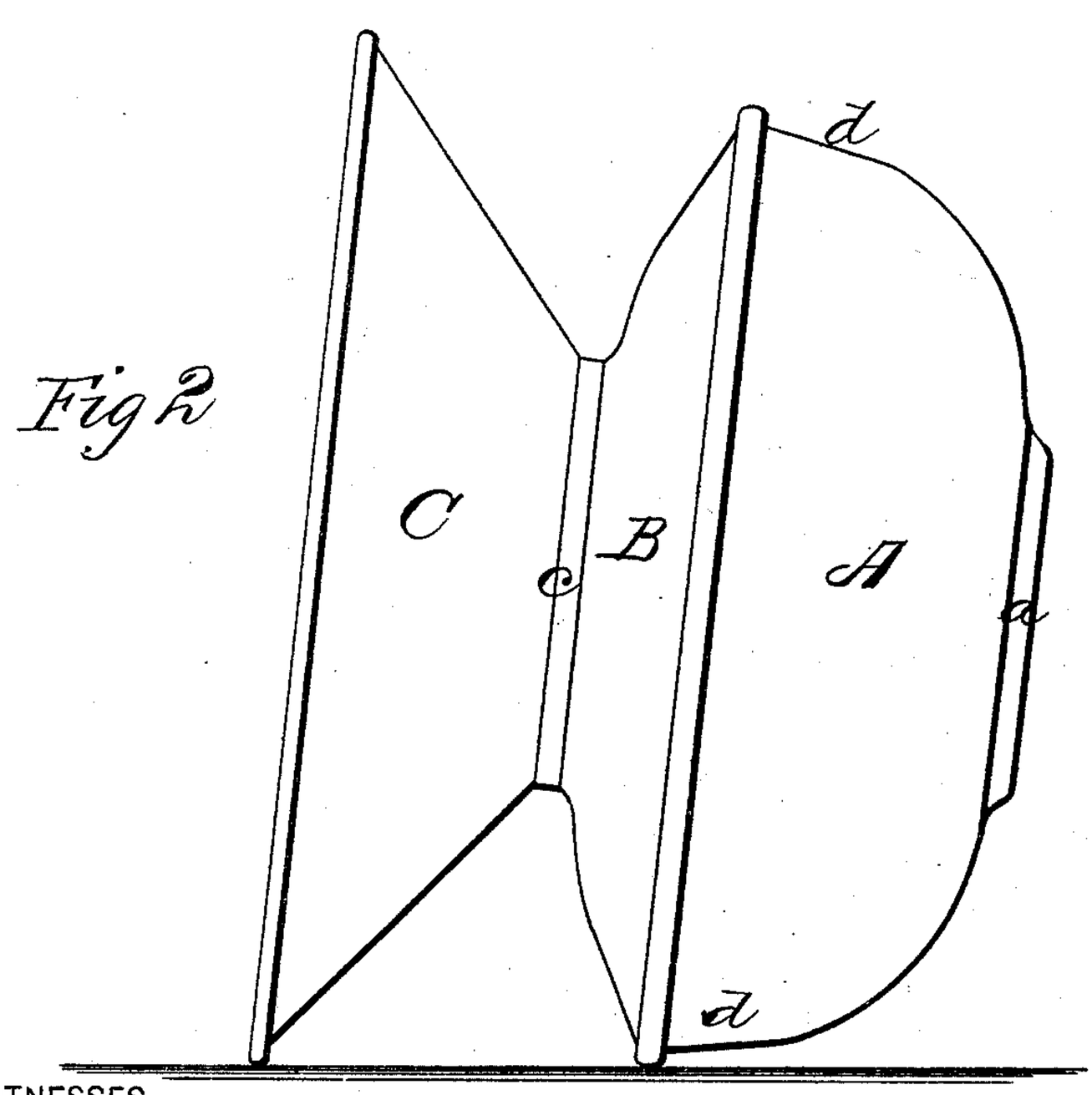


Fig 2



WITNESSES

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JAMES C. MOORE, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN CUSPADORES.

Specification forming part of Letters Patent No. **170,883**, dated December 7, 1875; application filed December 1, 1875.

To all whom it may concern:

Be it known that I, JAMES C. MOORE, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and valuable Improvement in Cuspadores; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

This invention has relation to self-righting cuspadores; and it consists in the construction and novel arrangement of the parts thereof, in such a manner as to cause the center of gravity to coincide very nearly or quite with the plane of the cusp or salient angle of the body. As usually constructed this cusp or angle, where the breast joins the base, is some distance below the center of figure of the utensil, and the weight of the breast and funnel exceeds that of the base to such an extent that the cuspadore is very liable to fall over. It has been proposed to remedy this by loading the base with superabundant metal.

In my invention the cusp or projecting angle which extends around the body is designed to be brought upward, and the breast to be made nearly in the plane of the cusp. The funnel having the usual depth, and a diameter at its top about equal to that of the base at the cusp, will be unable to balance the base when the utensil is thrown over on the cusp. In this construction the center of gravity and the center of figure are closely approximated, and a self-righting cuspadore is formed without superweighting the base, the utensil being constructed of the ordinary materials, as hereinafter set forth.

In the accompanying drawings, the letter A designates the base of the cuspadore, having a rounded bottom, the central portion of which is flattened to give steadiness in the upright position, as shown at *a*.

The base, as well as the other portions of the utensil, is made of sheet metal or any other material in common use. No thickening or extra weighting of the base is required.

B represents the breast, which joins the base at the cusp or projecting angle *b*, and extends inward nearly in the plane of the cusp to the throat *c*. This breast is, therefore, in a measure flattened, and is designed to approximate a plane passing through the cusp *b* at right angles with the axis of the utensil. At the same time the base is made deep, rising to the cusp by a continuous curved or conical surface, as indicated at *d*.

C designates the funnel or receiving-mouth. This is designed to be of the usual size and depth, and the diameter of the base at the cusp is equal or very nearly equal to that of the funnel at its margin. Being gradually narrowed conically, and downward and inward, it joins the breast at the throat *c*.

It may be preferred by some to make the diameter of the base a trifle smaller than that of the margin of the funnel; but this is not always required. Any liquid in the utensil will, because of the superior depth of the base and flattened form of the breast, aid in righting the vessel when upset.

What I claim as new, and desire to secure by Letters Patent, is—

A self-righting cuspadore, having a deep rounded base, terminating in the foot *a*, a funnel, the mouth of which is in diameter equal to or greater than said base, and a flattened breast uniting said base and funnel, the said breast approximating the planes of the centers of gravity and figure, which lies nearly in the plane of the cusp or salient angle of the body, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES C. MOORE.

Witnesses:

WALTER C. MASI,

ROBERT EVERETT.