

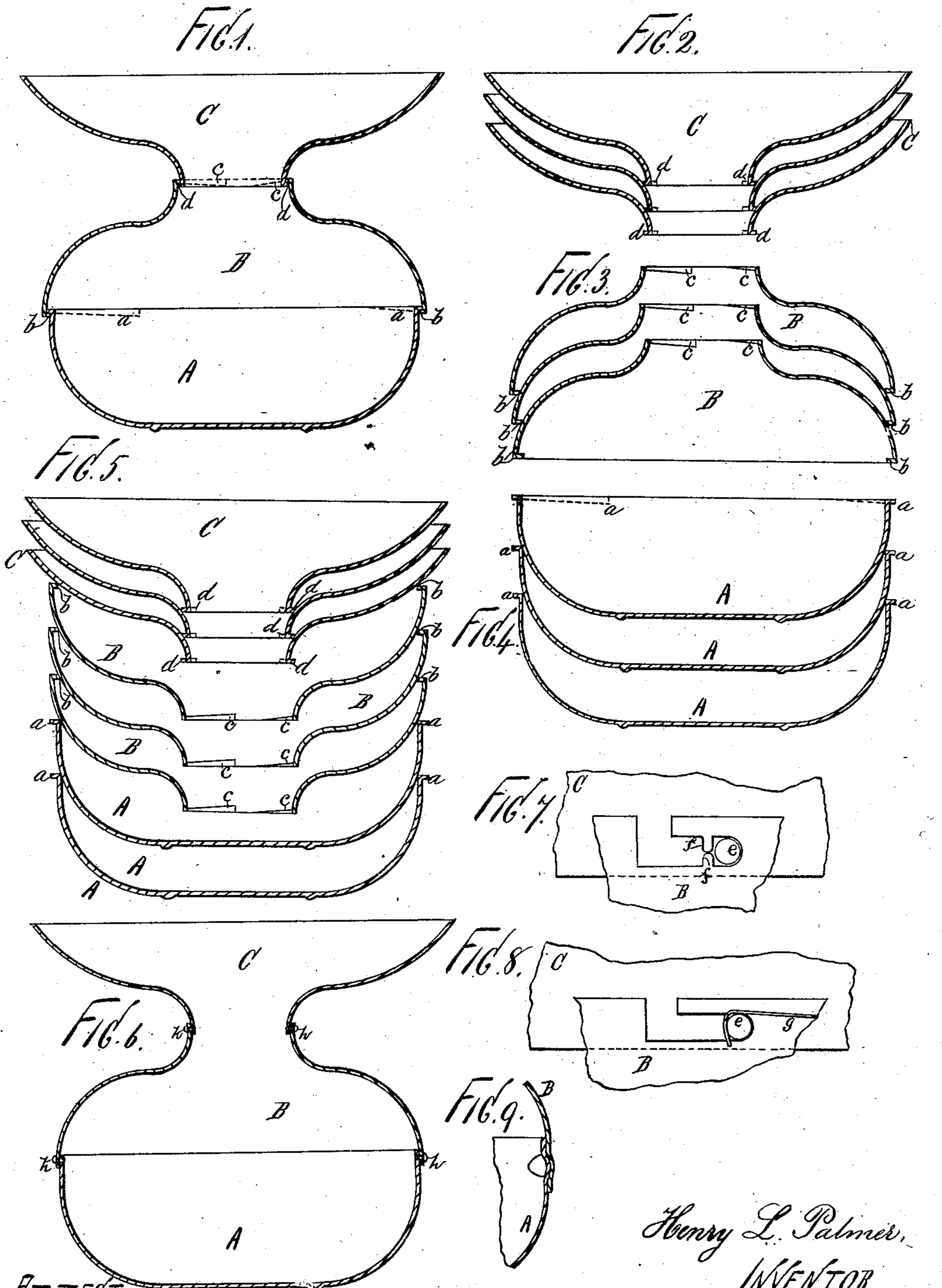
(No Model.)

HENRY L. PALMER.

CUSPIDOR.

No. 256,589.

Patented Apr. 18, 1882.



ATTEST-
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UNITED STATES PATENT OFFICE.

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CUSPIDOR.

SPECIFICATION forming part of Letters Patent No. 256,589, dated April 18, 1882.

Application filed March 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY L. PALMER, of Brooklyn, county of Kings, and State of New York, have invented certain new and useful
5 Improvements in Cuspidors, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

10 My invention has relation to the construction of cuspidors or spittoons; and my object is to produce a device of the class named in which the principal parts are made separate from each other and fitted to be assembled
15 at any time to complete the article or to be disunited whenever required.

To this end my invention involves certain novel and useful peculiarities of construction, details of manufacture, and arrangements and
20 combinations of parts, all of which will be herein first fully described, and then pointed out in the claims.

Articles of the character to which my invention relates, particularly those of the higher
25 or better grades, are made in large quantities and occupy considerable space when packed for shipment. By my improved construction I am enabled to "nest" the bowls, breasts, and tops or funnels, and thus effect a great econ-
30 omy of packing-space, and consequent cost of transportation, as well as a saving in the cost of manufacture when compared with former devices of like grades.

In the accompanying drawings, forming part
35 of this specification, Figure 1 is a sectional view of a cuspidor constructed in accordance with my improvements, the parts being assembled as for use. Fig. 2 is a sectional view, showing a number of tops or funnels detached
40 from the breasts and nested together. Figs. 3 and 4 are like views of a number of breasts and bowls. Fig. 5 is a sectional view, showing the principal parts of three cuspidors all nested together ready for shipment, and indi-
45 cating how any desired number of parts may be conveniently disposed. Fig. 6 is a sectional view of a complete cuspidor, in which the parts are detachable and secured to each other by separate screws. Figs. 7 and 8 are elevations,
50 and Fig. 9 a section of fragments, showing va-

rious means which may be employed for uniting the parts of the unjoined cuspidor.

In all these figures like letters of reference, wherever they occur, indicate corresponding
55 parts.

A is the bowl or base. It may be of any of the ordinary forms, and may be made of cast or sheet iron or other metal, or of glass, porcelain, &c.

B is the breast, and C the top piece or funnel. 60

As indicated in Fig. 1, the bowl is provided with inclined ledges *a a* at top, as many in number as may be desired. The breast has an equal number of interior lugs, *b b*, which, when the two parts are brought together, bear
65 against the under sides of ledges *a a*. The breast being first properly located, and then given a slight turn, the lugs *b* and inclines *a* will wedge together and hold the parts tightly. This form of joint is very much like a muti-
70 lated screw-joint. It answers very well for this purpose, because it is easily and cheaply made and can be readily manipulated.

The upper end of the breast shown in Fig. 1 is provided with interior inclines, *c c*, and
75 the top or funnel with corresponding lugs, *d d*, forming a coupling, by which these two parts are locked together.

It is preferred to place the breast outside of the bowl and outside of the funnel, as shown
80 in both Figs. 1 and 6, because the joints are thus better concealed from view; but the separate parts might be otherwise united.

It will be observed that the different parts are intended to be so formed as that one may
85 fit within the other, or nest, as indicated by Figs. 2, 3, and 4. The closer they fit of course the less packing-space they will take up, saving in the cost of transportation and in the cost of packing boxes or cases. Under the
90 construction shown all the parts may be nested as represented in Fig. 5.

Instead of the coupling shown in Figs. 1 and 6, other forms may be employed. In Fig. 7, *e* is a pin or projection secured or formed on one
95 part, as C, and entering an angular slot cut in the other part, B. This pin is held, after being properly seated, by bending down the prongs *f f*, formed on the margin of the slot. In Fig. 8 the prongs are replaced by a com- 100

mon hook, *g*. In Fig. 6 the screws *h h* unite the parts. In Fig. 9 the part B has an indentation which receives a corresponding projection on the part A, and this form of coupling will enable the parts to be sprung together, as will be readily understood. These illustrations show that various coupling devices will answer the purposes of the invention. These or any other suitable forms may be adopted for either joint.

The base or bowl may be made of cast metal and the other parts of sheet metal.

The separate parts are more convenient for ornamentation than when connected as in the ordinary forms of cuspidors. The parts being first ornamented may be assembled in a great number of different orders, so that with a limited stock of goods the dealer can readily supply an extensive variety of articles to suit purchasers.

The parts may be disunited for cleaning or packing, &c., and a damaged part quickly and easily replaced, all of which advantages will be readily apparent to any one dealing in or manufacturing these goods, and will recommend the improved device for adoption and use.

The bowl, or either of the parts, or all of them, may be lined with porcelain, if desired. The locking-joint shown at Fig. 7 is herein claimed only for use in a cuspidor or equivalent vessel. I propose to make separate applications for patents covering its construction and application to various articles.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a cuspidor, the bowl, the breast, and the top or flaring mouth made separable from each other, and each of the said three parts provided with locking-joints, substantially as and for the purposes set forth.

2. In a cuspidor, the bowl, the breast, and the flaring mouth or top made separable from each other and provided with interlocking joints, and all the said parts constructed and arranged to be nested together, substantially as and for the purposes set forth.

3. The herein-described improved cuspidor, in which the flaring mouth or top and bowl are connected by an intermediate detachable breast, said breast being arranged to be coupled with the bowl and flaring mouth or top by locking-joints, and all the parts being constructed, substantially as shown, so as to nest together, in the manner and for the purposes set forth.

4. In a cuspidor made in separate pieces, the locking device for securing two adjacent parts, the same consisting of the projecting pin *e*, attached to one part, and the prongs *f*, applied upon the walls of the slot cut in the adjoining part, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of two witnesses.

H. L. PALMER.

Witnesses:

F. W. HANAFORD,
WORTH OSGOOD.