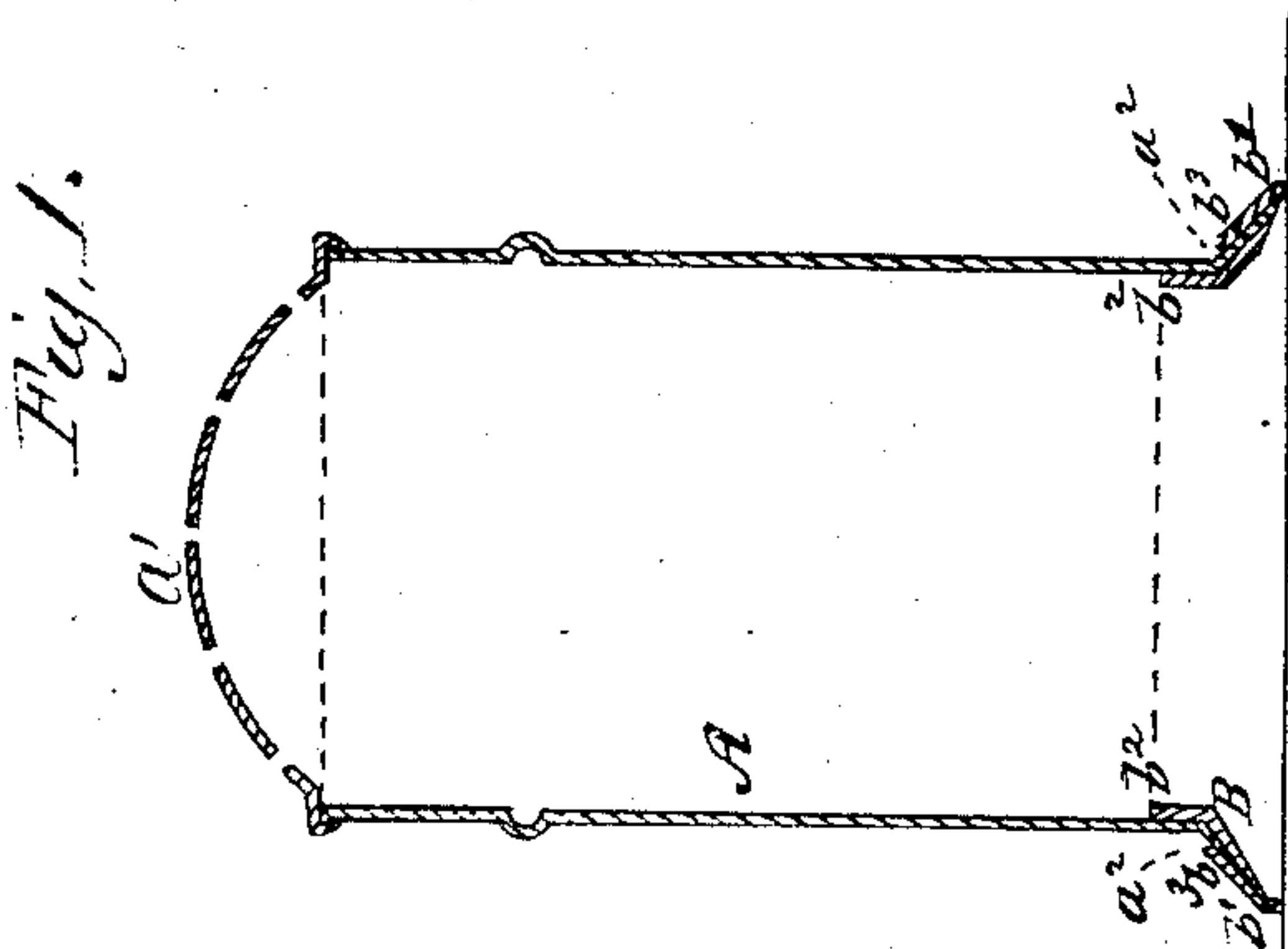
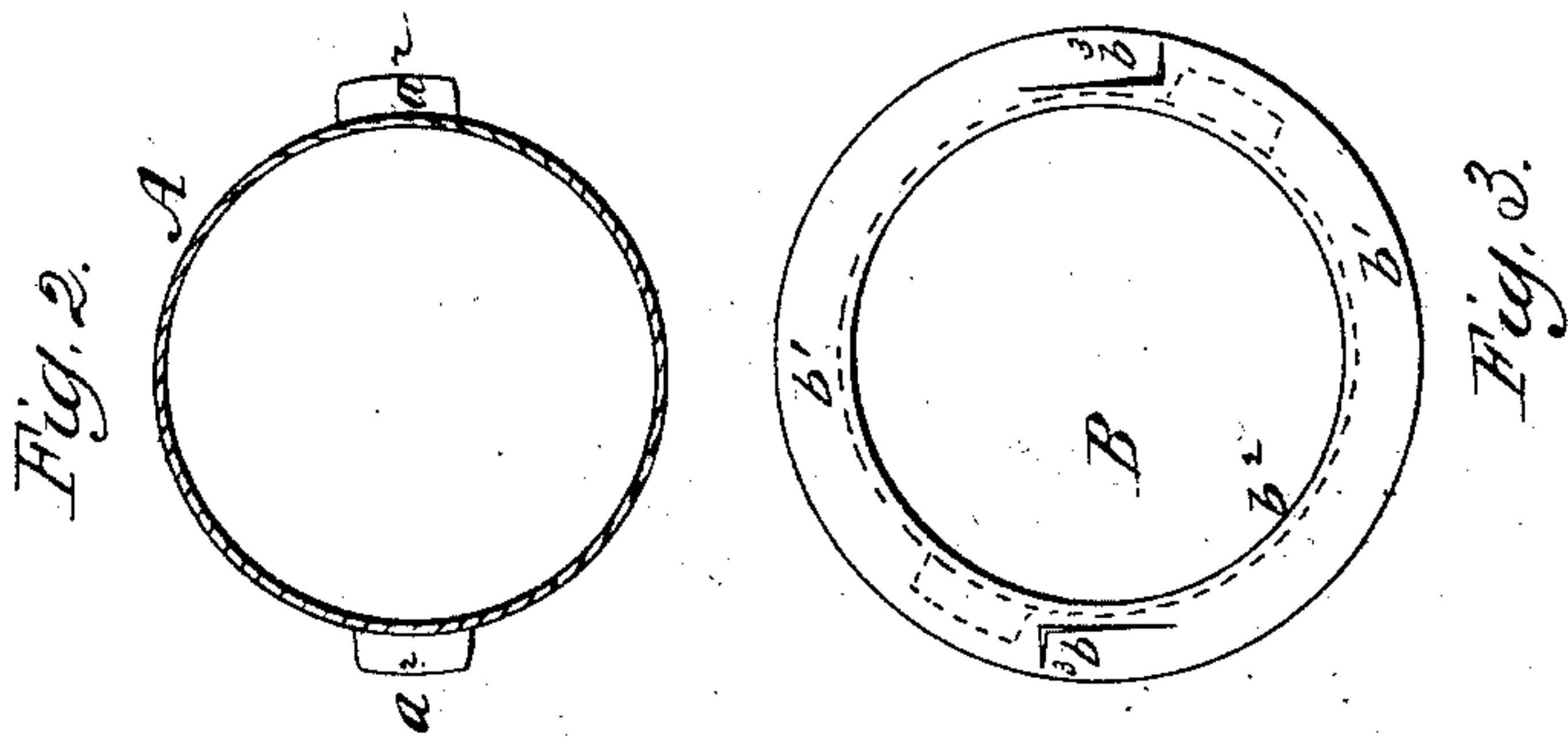


J. H. Stone,

Metal Pepper Box.

N^o 62,451.

Patented Feb. 26, 1867.



Witnesses.

*Bay Morrison
Jas. G. H. Moore Jr.*

Inventor.

John H. Stone.

United States Patent Office.

JOHN H. STONE, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 62,451, dated February 26, 1867.

IMPROVEMENT IN THE MANUFACTURE OF PEPPER-BOXES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN H. STONE, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in the Sheet-Metal Pepper or Dredging-Box; 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 accompanying drawings, making a part of this specification, in which—

Figure 1 is a central vertical section of a sheet-metal pepper-box, having my said improvement applied thereto.

Figure 2, a horizontal section, showing the lower end of the body of the box; and

Figure 3 is a plane view of the bottom of the same, detached—

Like letters of reference indicating the same parts when in the different figures.

The purpose of my improvement is to lessen the cost of manufacturing sheet-metal pepper or dredging-boxes, having fixed tops and detachable bottoms; and my invention consists in the peculiar construction hereinafter described and set forth, whereby the bottoms of said boxes are rendered attachable and detachable as occasion may require.

In the drawings, A is the body of the box, and B its detachable bottom. The body A is made of tin-plate, in the usual cylindrical form, and soldered along the seam or joint, having its perforated convex top, a^1 , of the same metal fastened thereon permanently by overlapping its edge in a well-known manner, (see fig. 1.) It has also two projections, a^2 a^2 , left on opposite sides of its lower edge, as shown in figs. 1 and 2. The bottom B consists of a disk, of the same sheet metal, stamped or "formed up" by means of appropriate dies, substantially in the form shown in figs. 1 and 3, b^1 being an inclined flange or rim thereon, which forms a broad, substantial base for supporting the body A in an upright position, and b^2 a vertically "raised" portion, which easily fits into the lower end of A, and thus closes it, (see fig. 1.) Through each of two opposite sides or portions of the said inclined flange b^1 an angular cut is, at the same time, made by the dies, and the thus detached angular portions of the sheet metal at the same time raised upward sufficiently thereby to produce the two sloping catches b^3 b^3 , (see fig. 3.) Now, when the bottom B is inserted into the lower end of the body A, and then turned around therein until the two projections a^2 a^2 on the body are respectively wedged beneath the two catches b^3 b^3 of the bottom B, it will be readily seen that the said catches b^3 b^3 will clamp down the projections a^2 a^2 , and thus securely hold the bottom B fast to the body A, and that, by a contrary motion given to the bottom, the two parts A and B will become detached.

This is an exceedingly simple and effective mode of securing a detachable bottom to a pepper or dredging-box, and costs less in its production than any other mode heretofore known or used. It renders the bottom perfectly secure against an accidental detachment, and at the same time readily allows of its being quickly detached when a replenishment of the box requires it.

Having thus fully described my improvement, what I claim as new therein of my invention, and desire to secure by Letters Patent, is confined to the following, viz:

I claim a sheet-metal pepper or dredging-box, having its bottom, B, detachably secured to its body, A, by means of the projections a^2 a^2 left on the body, and the angular catches b^3 b^3 formed on the bottom, the same being arranged to operate together substantially as and for the purpose described.

JOHN H. STONE.

Witnesses:

BENJ. MORISON,

JAS. WINSMORE, Jr.