(109.)

H. S. SHEPARDSON.

Improvement in Boxes.

No. 122,919. Patented Jan. 23, 1872.

Fig. 1.

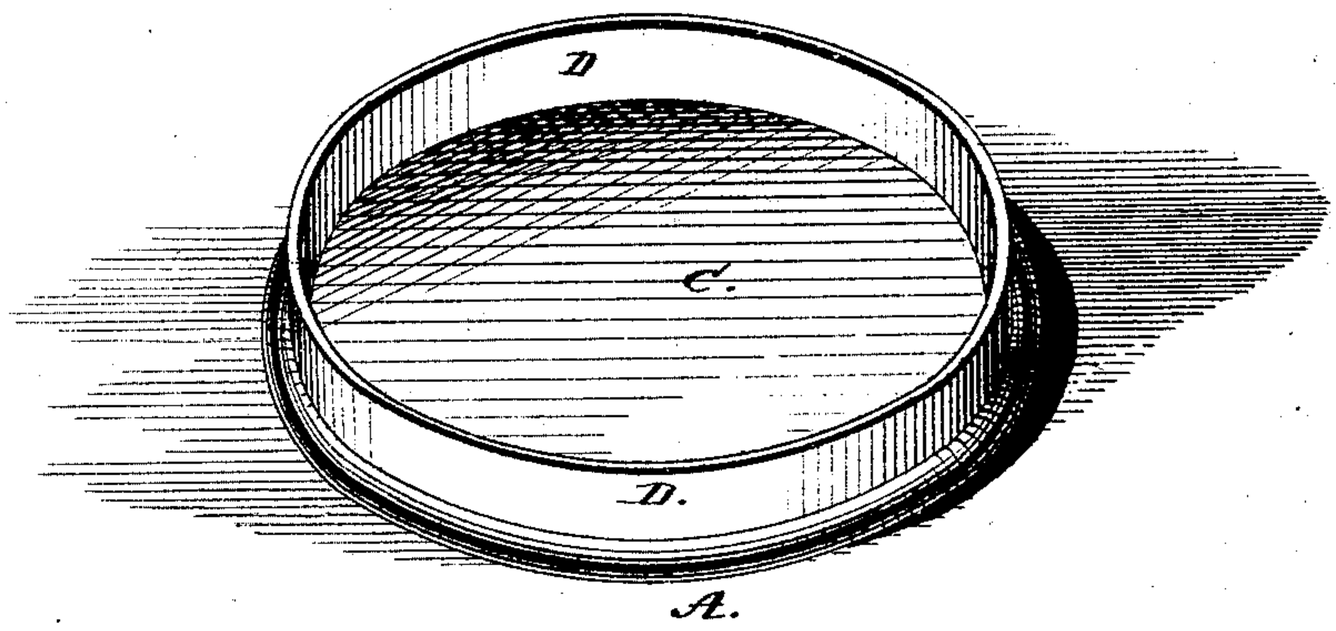


Fig. 2.

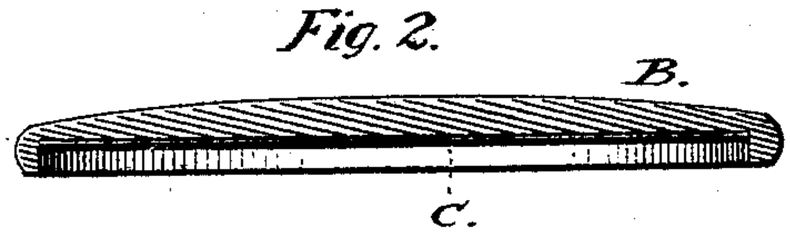
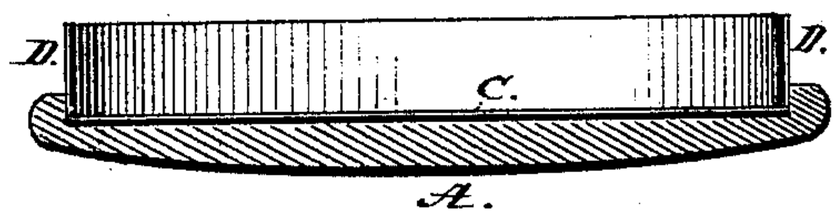


Fig. 3.



Witnesses;

Jas. L. Norris

W. E. Henderson

Inventor;

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by Darby & Darby Attys

122,919

UNITED STATES PATENT OFFICE.

HENRY S. SHEPARDSON, OF SHELBURNE FALLS, ASSIGNOR TO S. N. WHITNEY, OF SAME PLACE, AND CHARLES S. GUILFORD, OF BUCKLAND, MASSACHUSETTS.

IMPROVEMENT IN BOXES.

Specification forming part of Letters Patent No. 122,919, dated January 23, 1872.

To all whom it may concern:

Be it known that I, HENRY S. SHEPARDSON, of Shelburne Falls, in the county of Franklin and State of Massachusetts, have invented certain new and useful Improvements in Boxes, of which the following is a description:

In the accompanying drawing, which is made a part of this specification, Figure I represents a circular box, in perspective, with the cover removed, embodying my improvements. Fig. II is a plan view of the cover, showing the metal plate inside thereof; and Fig. III represents the metallic tenon shown at D, Fig. 1.

My invention relates to improvements in the construction of boxes used for containing powders, salves, &c., or for any purpose whatsoever where a tight joint is desirable; and it consists in the employment of a tin or other suitable sheet-metal piece which serves the double purpose of a tenon and a lining for the sides of the box, which, in connection with the two other pieces of metal, of a similar quality for the top and bottom inside surfaces, form a smooth, unbroken inside metal surface.

In the drawing, A represents the bottom of a circular box, and B the top thereof. Both of these parts are turned in the ordinary manner, and are of the same depth and of very nearly the same internal diameter, the top B being slightly the larger, for a purpose hereinafter explained. Within each of these parts A and B is pressed a sheet-metal plate, C, of suitable thickness, and with a circumference corresponding to that of the inside surface of said parts A and B, respectively. These metal plates C are made to fit perfectly and tightly, so that when once inserted they cannot readily be displaced. D is a ring of sheet metal, preferably of a quality somewhat heavier than that of which the plates C are made, stamped out by means of a die, or otherwise, of a size sufficient to fit snugly within, and of such height that one-half of the same will be inclosed by the bottom A, the projecting part forming the tenon of the box. The bottom A is turned with its inner circumference a trifle less than that of the top B in order that the metal ring D, when inserted in said bottom, may be held firmly therein; and, the entire outer surface of this ring D being of uniform size, the same is sprung into position in the bottom A, while the top B can be placed on and removed from the exposed part of said ring D with ease. It will thus be seen that when inserted in the bottom A this ring D serves both as a lining for the inside of said bottom or box and as a tenon to receive the top or cover B. When the cover is placed in position on the box A, that portion of the metal ring D which performs the office of a tenon being equal in height to the depth of the cover B, the edge of said tenon consequently rests firmly upon the metal plate C within the top B.

By my invention I produce a box at once simple in construction, durable, and impervious to air.

I claim as my invention—

1. The parts A and B, metal plates C, and ring or tenon D, the whole forming a box with an unbroken metal interior, substantially as herein shown and described.

2. The metallic ring D, in combination with the parts A and B, for the purpose specified.

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

H. S. SHEPARDSON. [L. S.]

Witnesses:

S. G. DUNCAN,

B. W. STEVENS.