

H. A. Bartlett, 2. Streets, Street 1.

Spice Box.

No. 100234.

Patented Feb. 22. 1870.

Fig. 2.

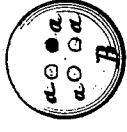
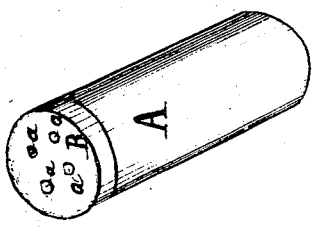


Fig. 1.



Witnesses.

W. C. Clayton
J. Clayton

Inventor

H. A. Bartlett

H. A. Bartlett, *2. Sheets, Sheet 2*

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Figure 3.

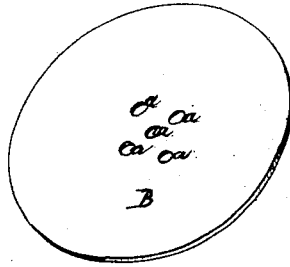
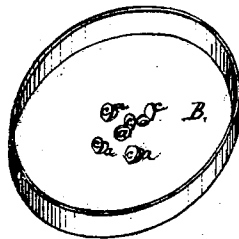


Figure 4.



Figure 5.



Witnesses:
Solomon P. Smith
Fred W. Smith

Inventor
Henry A. Bartlett,
By his Attorneys
Copperman & Johnson.

United States Patent Office.

HENRY A. BARTLETT, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 100,234, dated February 22, 1870.

IMPROVED CAP FOR POWDER-BOXES USED FOR DOMESTIC PURPOSES.

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, HENRY A. BARTLETT, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Boxes for Bluing and other Powders; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings of the same, which make part of this specification, and in which—

Figure 1 represents a view in perspective of a powder-box embracing my improvement;

Figure 2 represents a view of the cap, showing one of the stamped and partially-cut closed perforations open;

Figures 3, 4, and 5 represent respectively the different stages of forming the cap or cover and the partially-cut closed perforations therein; fig. 3 being the blank, fig. 4, the finished cap, and fig. 5, the cap inverted, showing the partially-cut closed perforations opened.

My improvement relates to boxes for holding bluing and other powders for washing and other purposes, as an article of merchandise, and consists in making partially-cut closed perforations in a metallic cover or cap during the operation of forming said cap in the manufacture of the box.

In the accompanying drawings—

A represents the box, and

B, the cap or cover through which the powder is distributed.

The particular feature of my improvement, however, relates to the manner in which the distributing closed holes are stamped and partially cut in a metallic cover, so that they form a part of the metal of said cover,

and are closed or sealed until required for use, when they can be as readily opened as though they formed no part of the metal of said cover. These distributing holes *a* are stamped in the metal during the operation of stamping out and giving form to the cap by means of a circular die, having a very thin cutting-edge extending about two-thirds of the circumference of the circle, with the remaining one-third cut away. When the metal is struck up by the die, the hole is cut through it about two-thirds of its circle, leaving one-third of the circle uncut but creased. These stamped points are then pushed back, so as to fill the holes nearly even with the top surface of the cap, and rendering it nearly smooth, but exhibiting clearly the cut closed points of the metal, so that while the powder cannot possibly sift out or dust through them in being handled for the market, the partially-out diaphragm of the perforations can be easily opened when required for use, by pressing them down with a pointed instrument, and thus uncover a well-defined instead of a ragged-edged opening, as shown at *c* in fig. 5.

The box may be provided with a label designating the particular kind of powder therein and manufacturer's name.

Having thus described my improvement,

I claim the metallic cap of a bluing or powder-box, having the distributing closed perforations cut within and forming a part of the metal of said cap during the operation of forming said cap, as herein shown and described.

H. A. BARTLETT.

Witnesses:

V. C. CLAYTON,
T. G. CLAYTON.