

W. P. TENNY.
Disinfectant Packages.

No. 142,963.

Patented September 16, 1873.

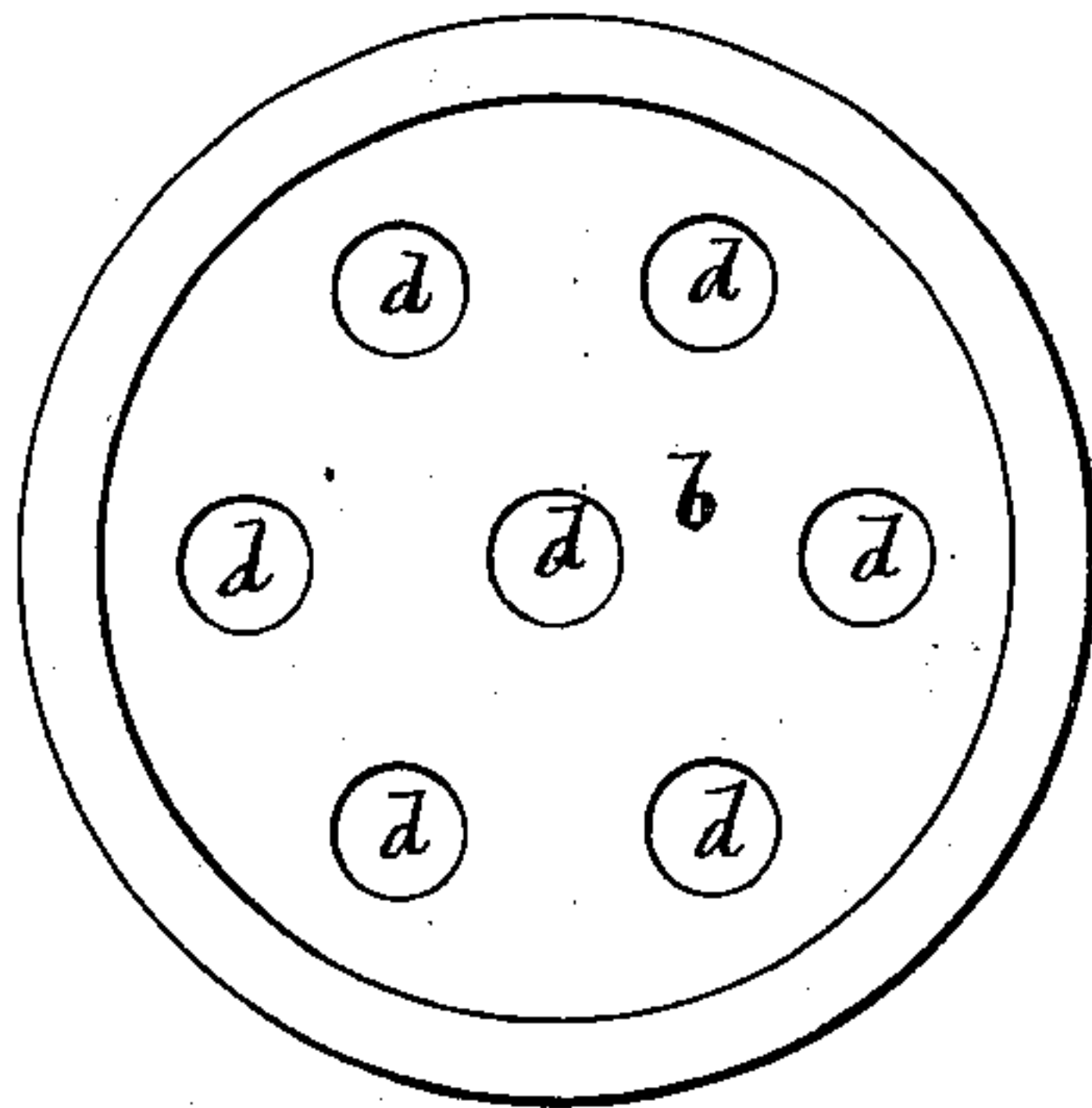


Fig. 1.

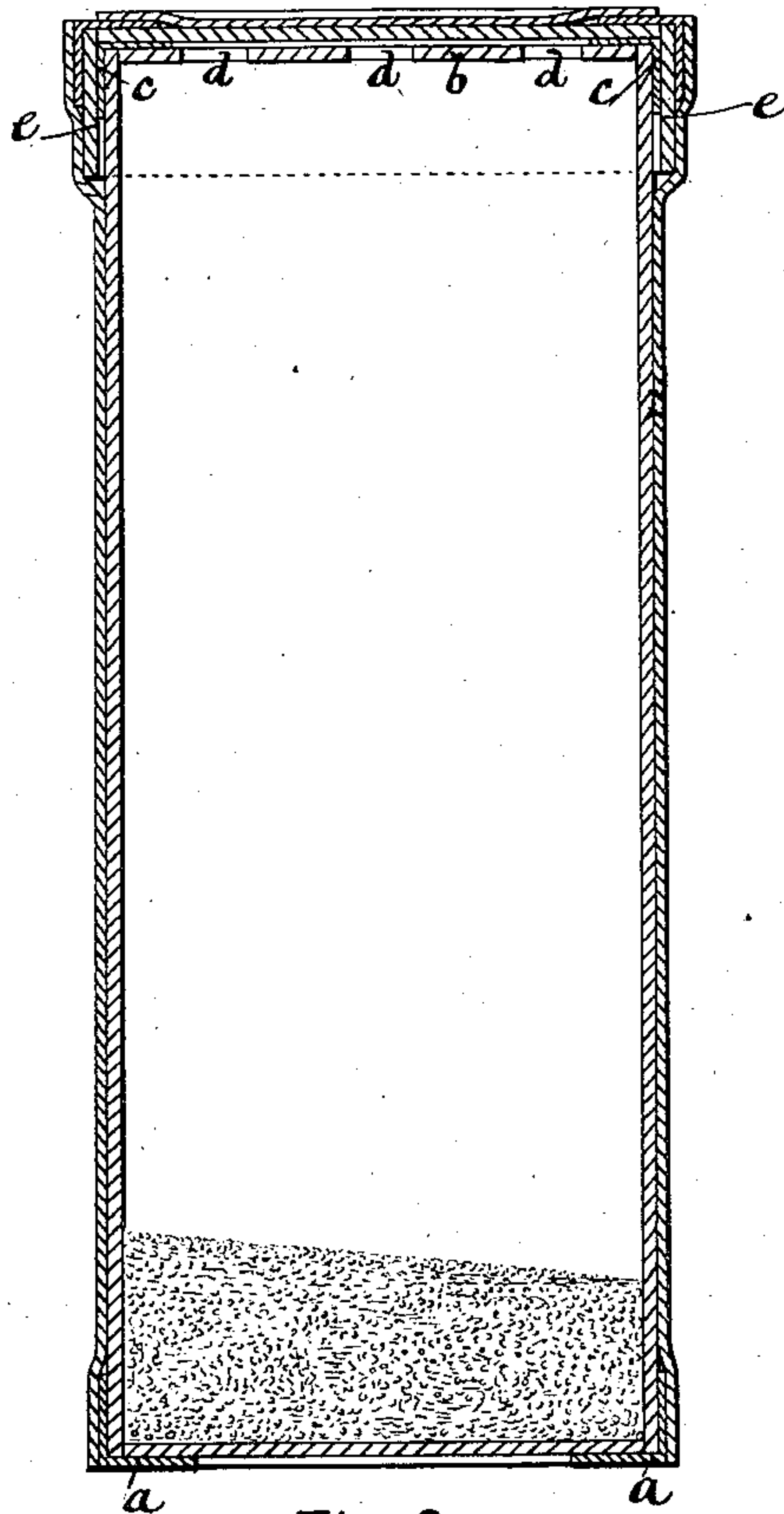


Fig. 2.

WITNESSES.

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IMPROVEMENT IN DISINFECTANT-PACKAGES.

Specification forming part of Letters Patent No. 142,963, dated September 16, 1873; application filed March 15, 1873.

To all whom it may concern:

Be it known that I, WILLIAM P. TENNY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and valuable Improvement in Disinfectant-Package; 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.

Figure 1 of the drawings is a representation of my cover. Fig. 2 is a sectional view of my package.

This invention has relation to a new article of manufacture, consisting of a portable disinfectant-package, so constructed and arranged that when the outer cap is removed by the consumer the disinfectant-powder can be distributed in an economical and uniform manner.

The object of the present invention is to provide a disinfectant-package of which the contents are not liable to come in contact with the hands or person of the consumer in the distribution thereof, which is nevertheless accomplished with uniformity and economy. The importance of the invention will be manifest when we consider the large extent of surface often required to be sprinkled, the cost of the disinfectant material, the unpleasant nature of the exhalations, and the difficulty with which they are removed from the person when the material has come in contact therewith.

In carrying out the invention a long cylindrical or prismatic box of paper, or preferably pasteboard, is constructed, one end being closed in the usual manner of attaching the bottoms to paper boxes, except that a strip of cloth or tape is bound around the corner at *a*, as shown in the drawings, in order to give strength, several pounds of the material being sometimes placed in one box, which should not be of so large a diameter that it cannot be conveniently grasped in the hand. After the introduction of the disinfectant-powder, the other end *b* of the box is secured thereto in a similar strong manner, a piece

of cloth or tape, *c*, being employed to bind the joint at the corner, as above described. This is especially necessary at this end of the box, as, in the longitudinal shaking which the package undergoes in the distribution of its contents, the weight thereof is brought at short intervals, often with great force, against the end *b*. A number of large perforations, *d*, are made through the end *b* for the passage of the disinfectant. These perforations are usually about a quarter of an inch in diameter, and should be at such a distance apart that the pasteboard wall between them will not be unduly weakened. Over the perforated end is placed the cap *e*, which is bound to the case with the wrapper or label, after which the package is ready for use. The consumer simply cuts the wrapper or label at the joint of the cap *e*, and, removing the same, shakes the powder through the perforated end over the surface to be disinfected, after which the cap or cover is replaced and the package put away for future use.

I am aware that pepper and spice boxes have been made of metal, with perforated tops, and I do not claim such invention. It is apparent that such minute perforations would not answer for the distribution of the disinfectant material, as there would be a want of economy in time; and, further, the virtue of the exhalations from the powder would be, in many instances, lost before reaching the infected surface.

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

As a new article of manufacture, the package of disinfecting-powder incased in a long paper case, having the close bottom and perforated false top *b* bound securely to said case, and the removable cap *e* covering said perforated false top, and bound thereto by the wrapper, substantially as specified.

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

WM. P. TENNY.

Witnesses:

PHIL. C. MAST,
GEO. E. UPHAM.