

(No Model.)

J. W. MORSE.
PACKAGE FOR TOOTH POWDER.

No. 417,932.

Patented Dec. 24, 1889.

Fig. 1.

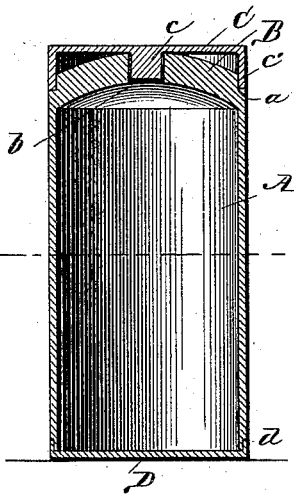


Fig. 5.

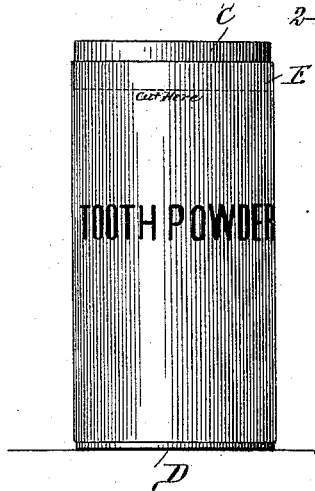


Fig. 2.

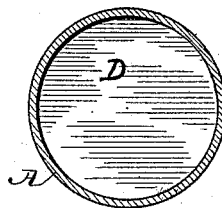


Fig. 3.

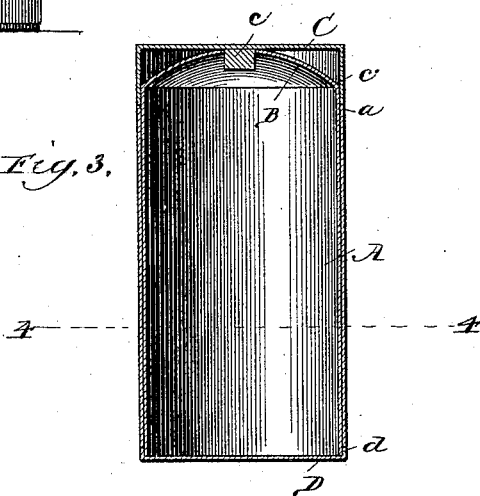
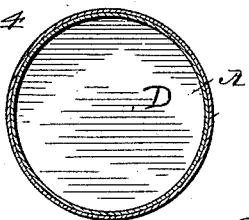


Fig. 4.



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PACKAGE FOR TOOTH-POWDER.

SPECIFICATION forming part of Letters Patent No. 417,932, dated December 24, 1889.

Application filed May 27, 1889. Serial No. 312,291. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. MORSE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Packages for Tooth-Powder, &c., of which I do declare the following to be a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My present invention has for its object to provide a simple, cheap, and durable construction of a package or box for tooth-powder and the like which can be readily filled, and from which the powder can be conveniently taken from time to time as it is desired for use. This object I have accomplished by the novel construction of the package or box hereinafter described, illustrated in the accompanying drawings, and particularly defined in the claims at the end of this specification.

Figure 1 is a view in vertical transverse section through one form of package embodying my invention. Fig. 2 is a view in horizontal section on line 2 2 of Fig. 1. Fig. 3 is a view of a modified construction of package or box, the wrapper E being omitted. Fig. 4 is a view in horizontal section on line 4 4 of Fig. 3. Fig. 5 is a view in side elevation of the package in condition for shipment.

A designates the main body of the package, which, in the construction shown in Figs. 1 and 2, is made of wood, and in this form of my invention the body A is provided with a top B, preferably of convex shape, and provided with a central perforation *b*, adapted to be closed by a stopple *c*, that projects inwardly from the cover C of the box. Around the body A of the box at its upper portion is formed a circumferential groove *a*, that will receive the depending flange *c'* of the cover, so that when the cover is placed in the position shown in Fig. 1 of the drawings it will be held in place not only by the stopple *c*, but also by the binding of the flange *c'* upon the upper portion of the body. The stopple *c* is shown as formed in one piece with the cover C in Fig. 1, this being the preferred manner of forming the stopple when the cover is made of wood, and it will be readily understood

that this manner of forming the stopple in one piece with the cover can be easily practiced in the operation of cutting the cover C from the block of wood.

My purpose in forming the upper face of the cover B of convex outline is not only to secure a more snug and certain joint between the top of the cover and the perforated portion of the top C, but as well, also, to enable a more ready distribution of the powder onto a tooth-brush, this being particularly desirable with certain classes of brushes the bristles of which are made longer at the ends than about the center.

The main body A of the package or box is closed by means of a bottom D, which, in the construction shown in Fig. 1, will be formed of wood, with the upwardly-extending flange *d*, that encircles the rabbeted lower portion of the main body.

My object in forming the bottom D separate from the main body of the box is to enable the body to be much more conveniently filled with the powder than would be possible if the filling were to be effected through the perforated top.

When the cover C and bottom D have been placed upon the main body A, as seen in Fig. 1 of the drawings, the entire package will be surrounded with a suitable label E, pasted thereon, this label serving not merely to receive the usual printed matter, but serving also to better retain the cover C and bottom D in proper position with respect to the main body of the package or box.

In the form of my invention illustrated in Fig. 3 of the drawings the main body A of the package is formed of an inner layer or portion of paper or like thin material, and upon this inner layer is wound an outer layer of paper or like material, these two layers, when thus placed together, serving to form a shoulder *a* at the top of the main body and a similar shoulder at the bottom, these shoulders being adapted to receive, respectively, the flange *c'* of the cover C and the flange *d* of the bottom D. In this form of my invention the top B is preferably formed in one piece with the inner layer or thickness of the body A, and in this top will be formed a perforation adapted to be closed by the stopple

c, that will be affixed to the under side of the cover C, this stopple c being preferably of cork attached by glue or in other convenient manner to the inner face of the cover. The cover C and bottom D may each be stamped from a single thickness of pasteboard or paper in such manner as to form the flanges c' and d.

When the cover and bottom have been placed upon the main body, as seen in Fig. 3, the box will be surrounded by a suitable label E, as seen in Fig. 5 of the drawings.

From the foregoing description it is plain that when it is desired to fill the package with powder it is only necessary to withdraw the bottom D, thereby exposing the entire open end of the main body, and after the package has been filled the label E can be pasted around the package, as seen in Fig. 5. When it is desired to use the powder, it is only necessary to cut through the label E at a point opposite the lower edge of the flange c', after which the cover C can be removed, thereby withdrawing the stopple c from the perforated top B. It is plain that by thus providing the main body of the package with a perforated top not only is a convenient means afforded for distributing the powder in small quantity, but when the cover C has

been restored to its position upon the body the accidental escape of the powder will be guarded against both by the stopple c and as well, also, by the depending flange or rim c' of the cover.

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

1. A package for tooth-powder, &c., comprising a main body portion having a convex top provided with a perforation and a cover for the top of the box provided with a stopple of a size to fit within said perforation, said cover having a flange to fit over the side of the main body of the box, and a bottom formed separate from the main body of the box, substantially as described.

2. A package for tooth-powder, &c., comprising a main body portion A, having a perforated top B, formed in one piece therewith, and a cover C, provided with a stopple c, to close the perforation of said top B, said cover being provided with a flange to fit over the upper portion of the body of the box, substantially as described.

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Witnesses:

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