

US00D860472S

(12) **United States Design Patent**
Blake et al.

(10) **Patent No.:** **US D860,472 S**
(45) **Date of Patent:** **** Sep. 17, 2019**

(54) **LIBRARY TUBE**

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- (73) Assignee: **Illumina, Inc.**, San Diego, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/589,038**
- (22) Filed: **Dec. 27, 2016**
- (51) **LOC (12) Cl.** **24-02**
- (52) **U.S. Cl.**
USPC **D24/224**
- (58) **Field of Classification Search**
USPC D24/107, 121, 133, 216, 222-230, 233;
D9/523, 547, 549, 550, 724, 732
(Continued)

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(Continued)

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(57) **CLAIM**

We claim the ornamental design for a library tube, as shown and described.

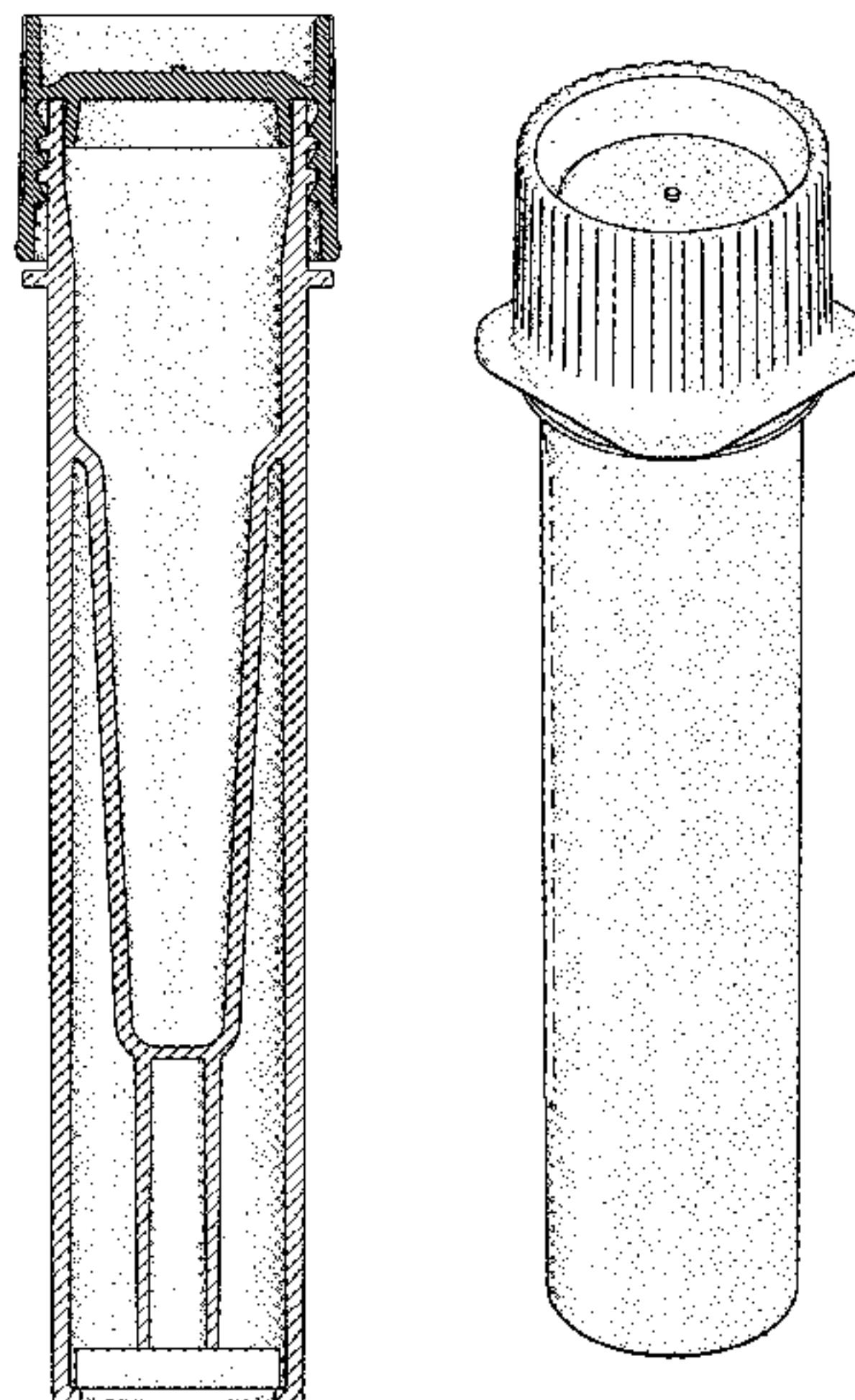
DESCRIPTION

FIG. 1 is a front view of a library tube.
 FIG. 2 is a right side view of the library tube of FIG. 1.
 FIG. 3 is a rear view of the library tube of FIG. 1.
 FIG. 4 is a left side view of the library tube of FIG. 1.
 FIG. 5 is a section view of the library tube of FIG. 1.
 FIG. 6 is a top view of the library tube of FIG. 1.
 FIG. 7 is a bottom view of the library tube of FIG. 1.
 FIG. 8 is a front view of the cap for the library tube of FIG. 1; the left side, right side, and rear views are the same.
 FIG. 9 is a section view of the cap for the library tube of FIG. 1.
 FIG. 10 is a bottom view of the cap for the library tube of FIG. 1.
 FIG. 11 is an isometric view of the cap for the library tube of FIG. 1.
 FIG. 12 is an isometric view of the library tube of FIG. 1.
 FIG. 13 is an isometric view of the library tube of FIG. 1 in which the cap has been removed.
 FIG. 14 is a front view of the library tube of FIG. 1 in which the cap has been removed.
 FIG. 15 is a right side view of the library tube of FIG. 1 in which the cap has been removed.
 FIG. 16 is a rear view of the library tube of FIG. 1 in which the cap has been removed.
 FIG. 17 is a left side view of the library tube of FIG. 1 in which the cap has been removed.
 FIG. 18 is a section view of the library tube of FIG. 1 in which the cap has been removed.
 FIG. 19 is a top view of the library tube of FIG. 1 in which the cap has been removed.
 FIG. 20 is a bottom view of the library tube of FIG. 1 in which the cap has been removed; and,
 FIG. 21 is an isometric view of the library tube of FIG. 1 in which the cap has been removed.

The tube body may be made be transparent, translucent, or opaque; the cap may be transparent, translucent, or opaque as well. The cap and tube body may have different appearances, e.g., the cap may be opaque and the tube body may be translucent.

Dash-dot-dash boundary lines are used herein to indicate a transition from claimed subject matter to unclaimed environmental structure, as evidenced by the absence of shading

(Continued)



within the boundary shape and the presence of shading outside of the boundary shape. See, for example, the dash-dot-dash boundary that defines the label that is applied to the tube body, thus indicating that the label (and the text printed on it) is unclaimed environmental structure.

Stipple shading is used in the accompanying Figures to convey surface contouring and is not indicative of any particular texture or coloring.

1 Claim, 9 Drawing Sheets

(58) **Field of Classification Search**

CPC B01F 13/0025; B01J 2219/00292; B01J 2220/64; B01L 3/14; B01L 3/021-0237; B01L 3/508-50825; B01L 3/52-523; G01F 11/02

See application file for complete search history.

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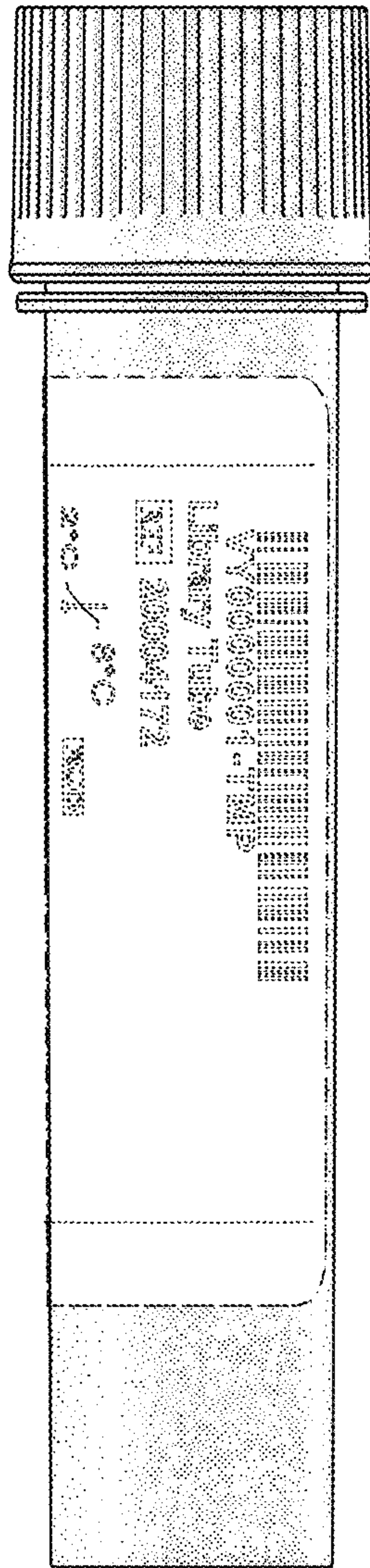


Figure 1

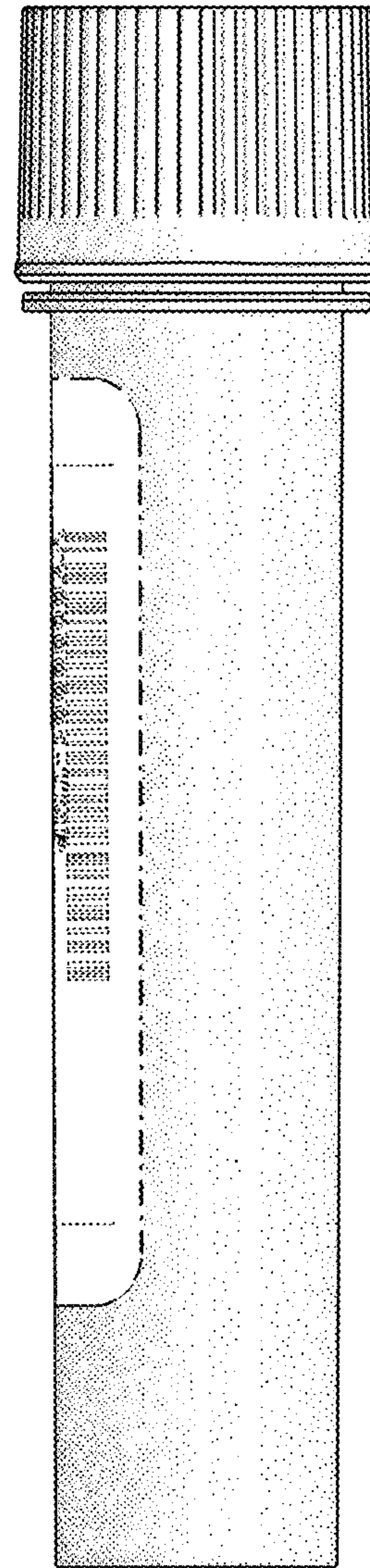


Figure 2

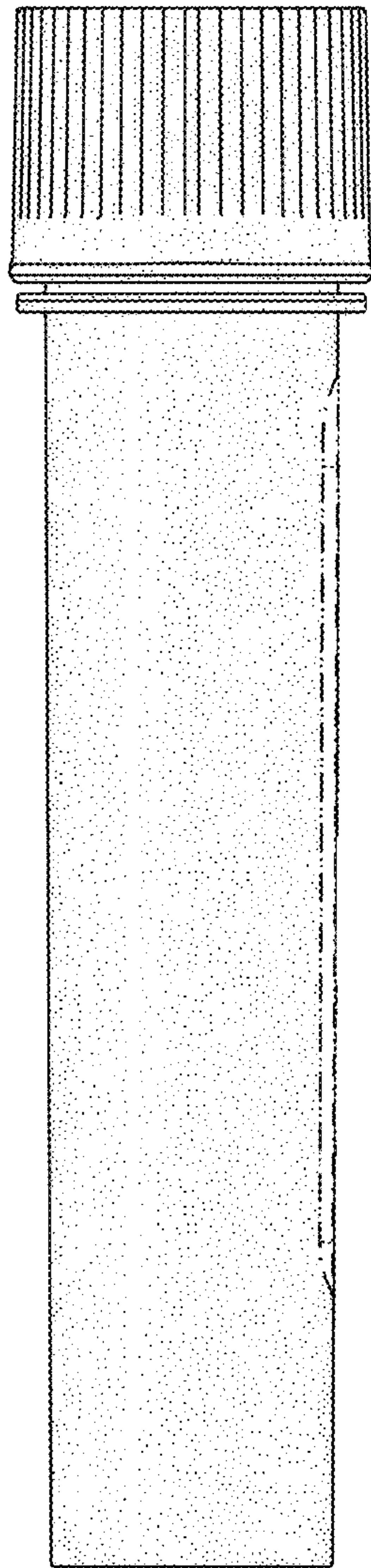


Figure 3

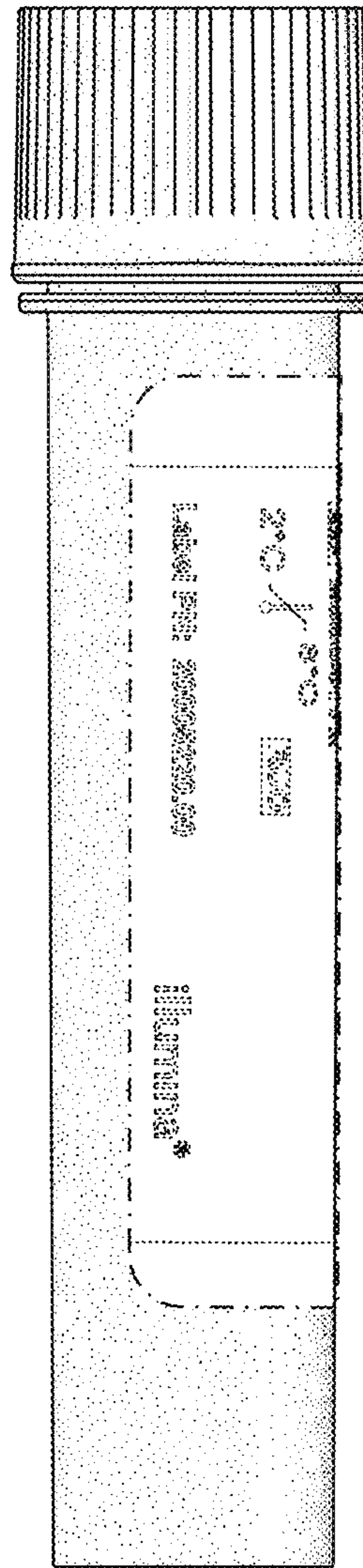


Figure 4

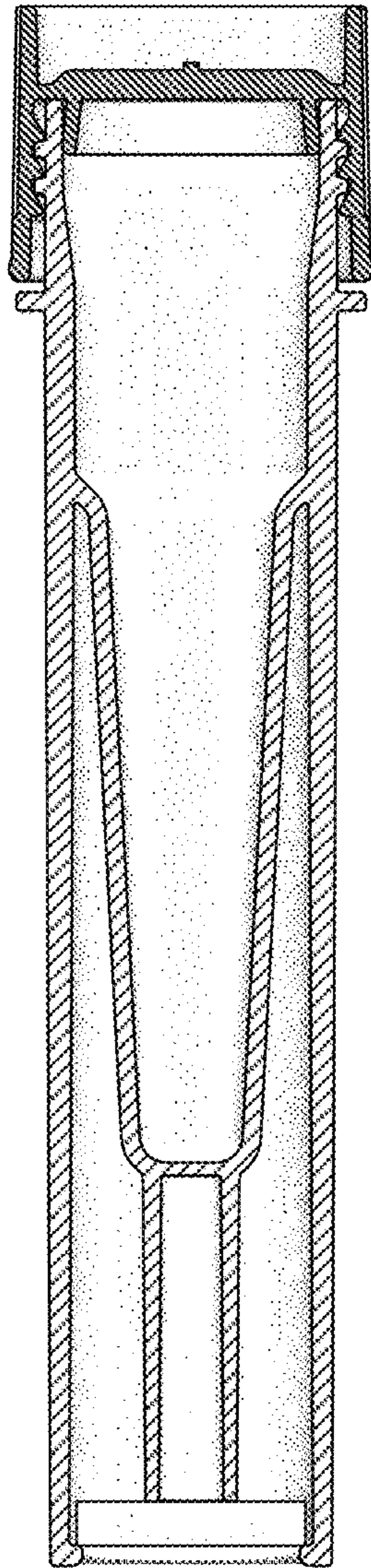


Figure 5

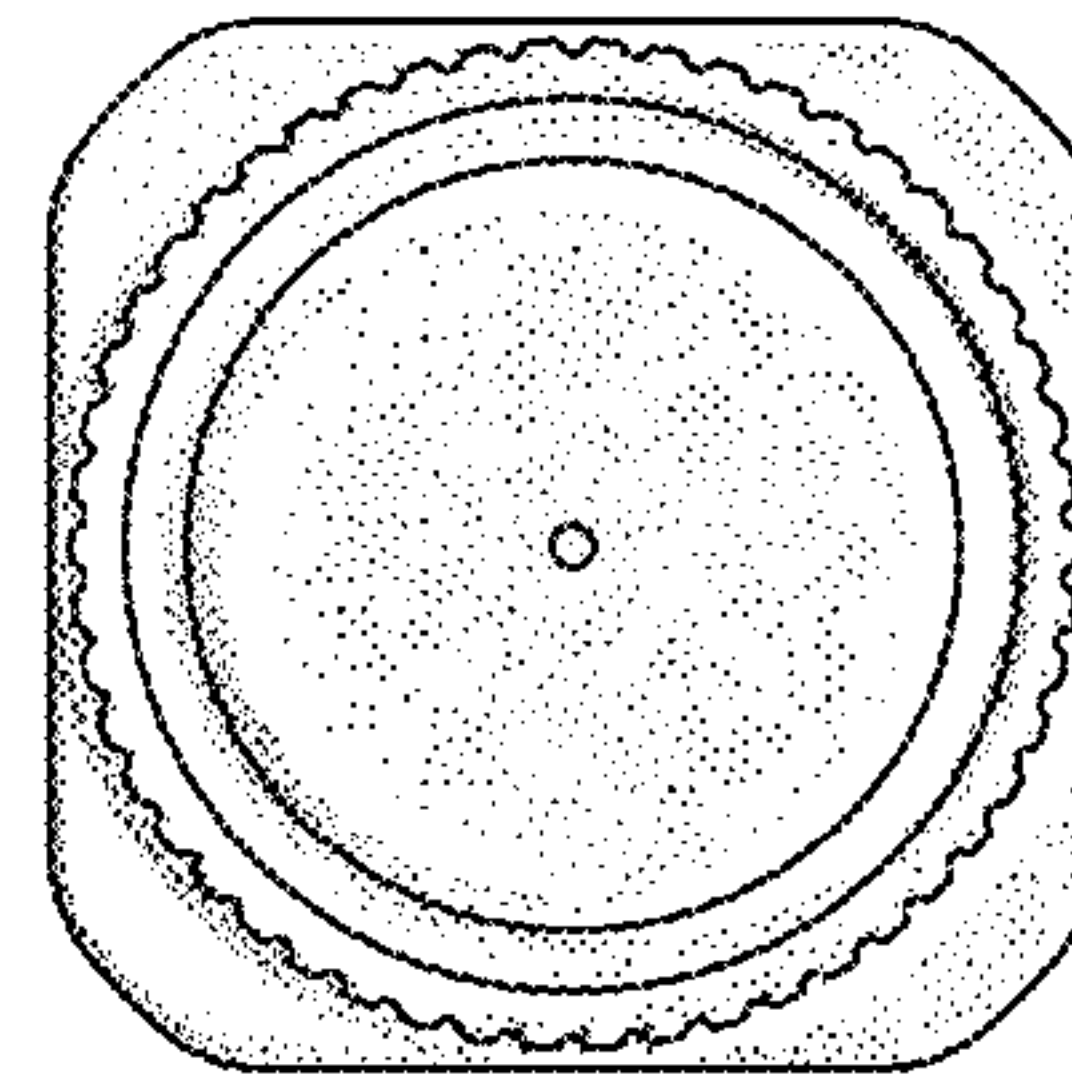


Figure 6

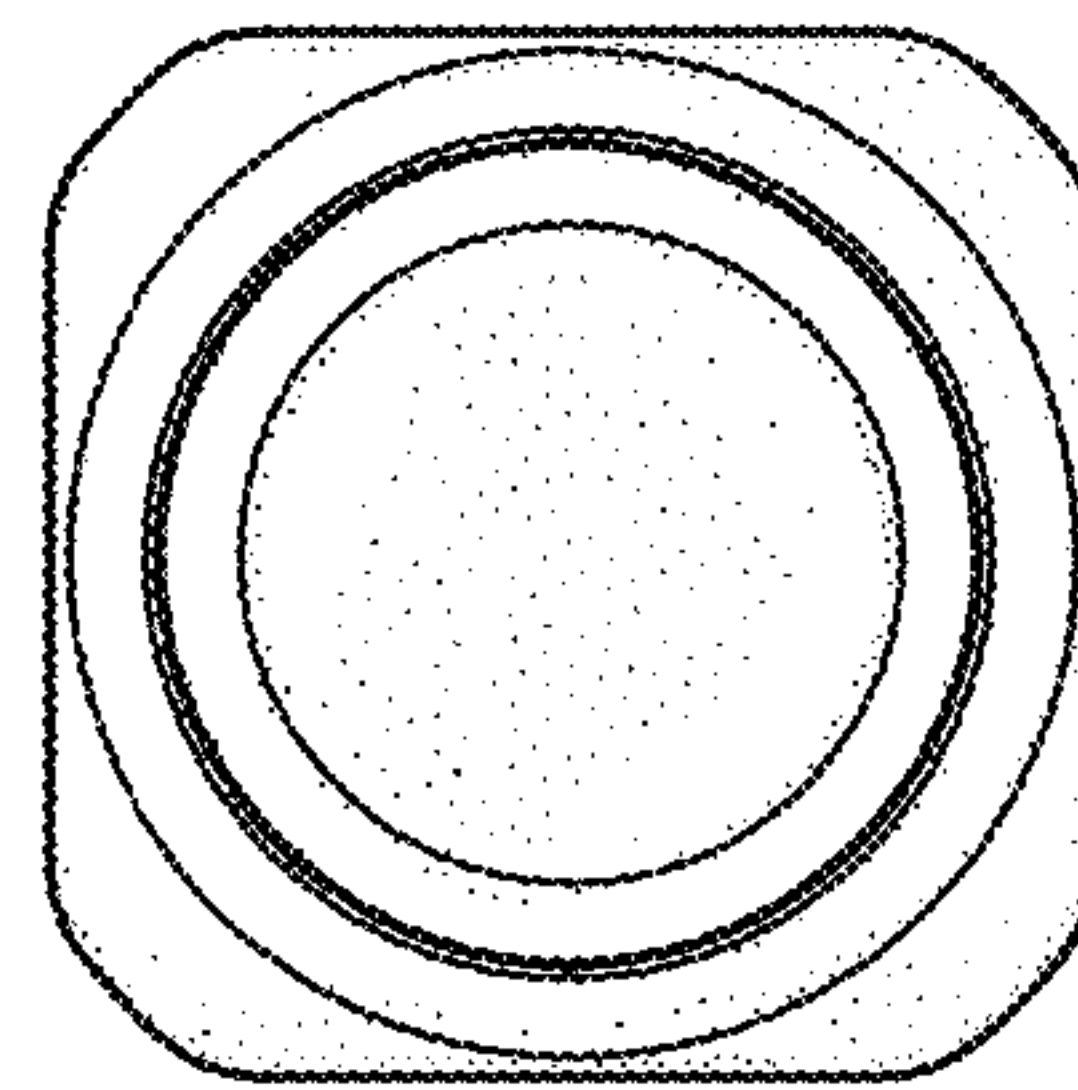


Figure 7

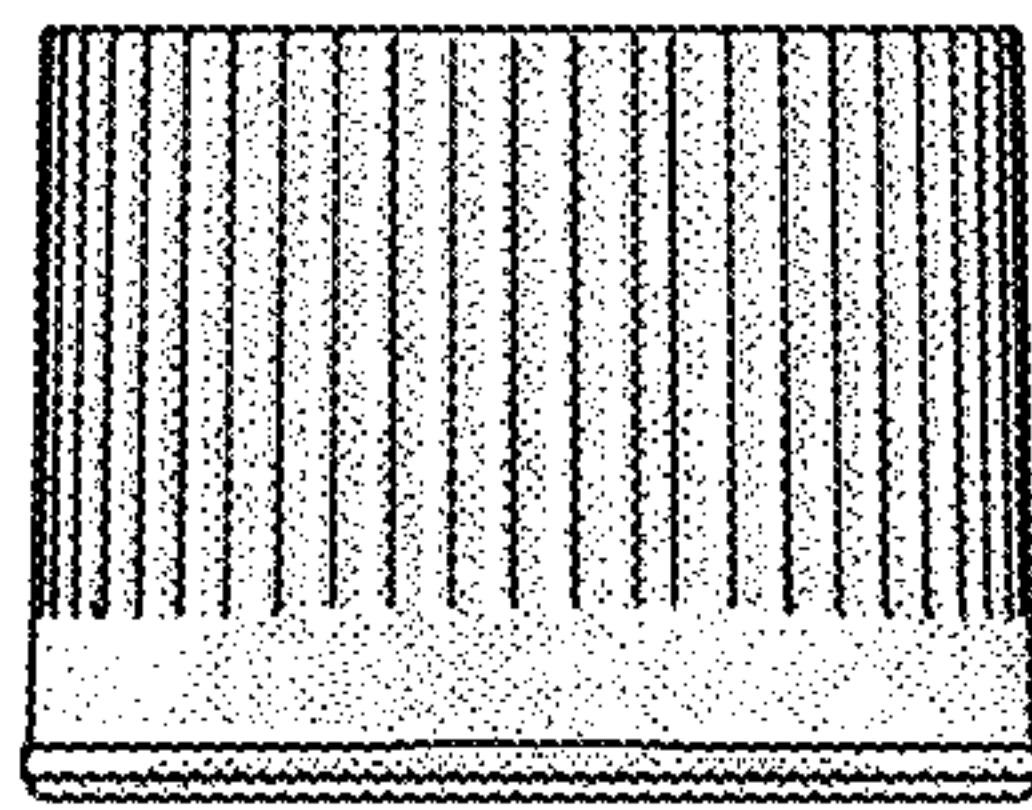


Figure 8

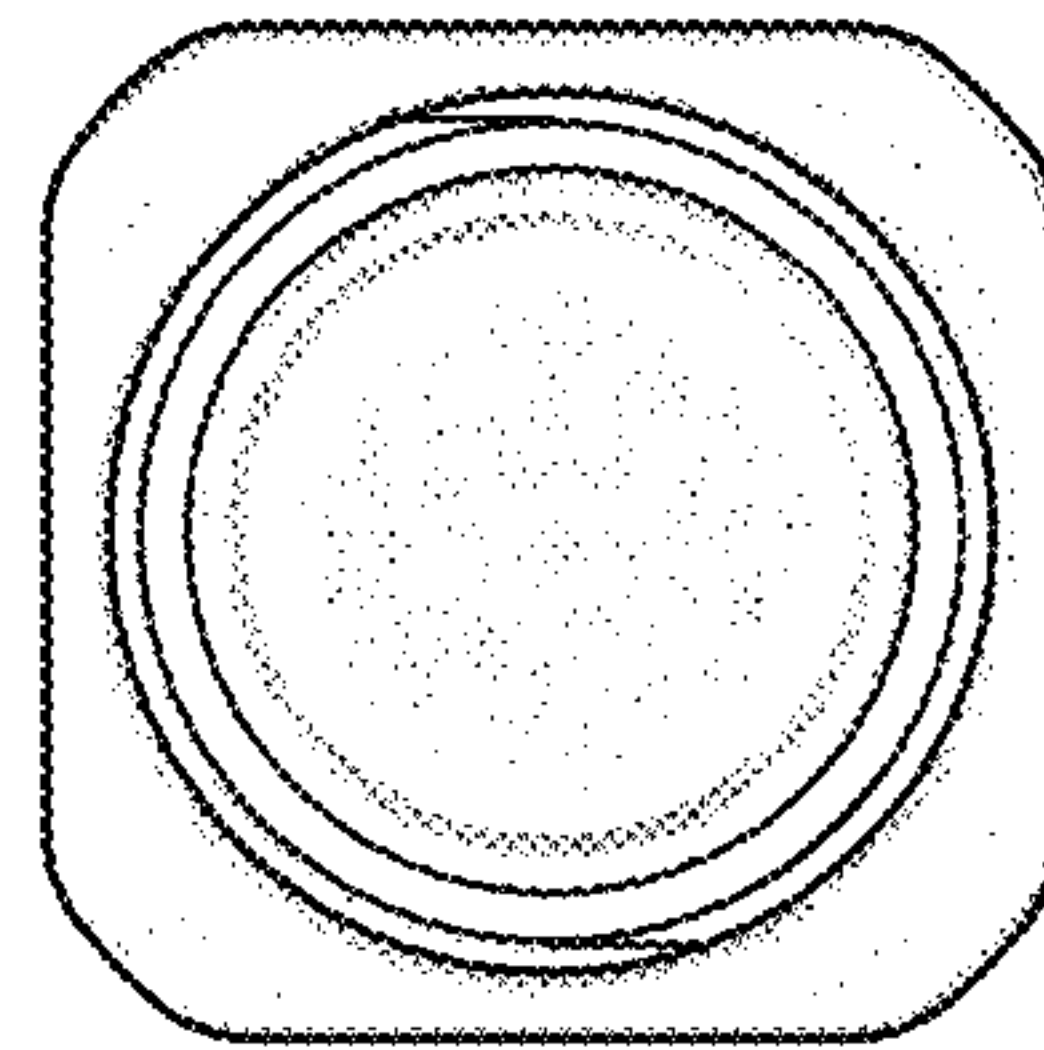


Figure 10

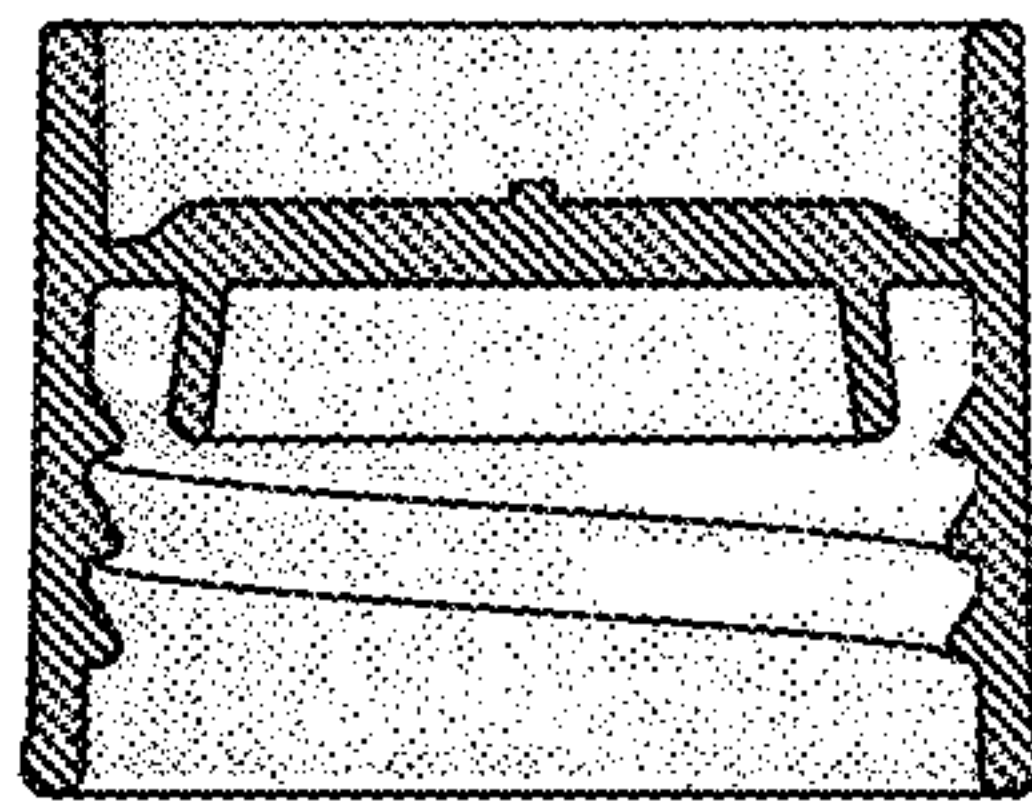


Figure 9

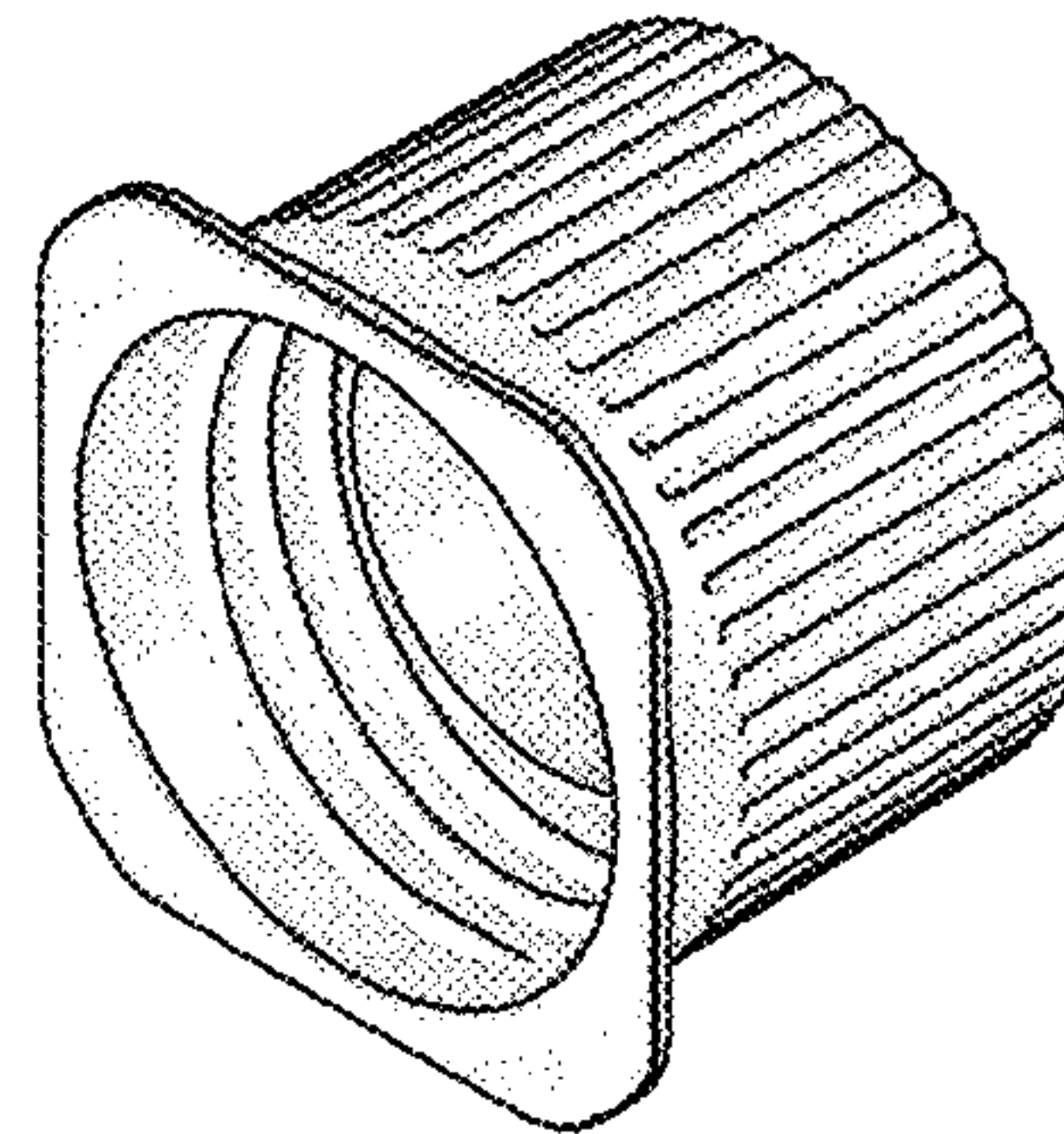


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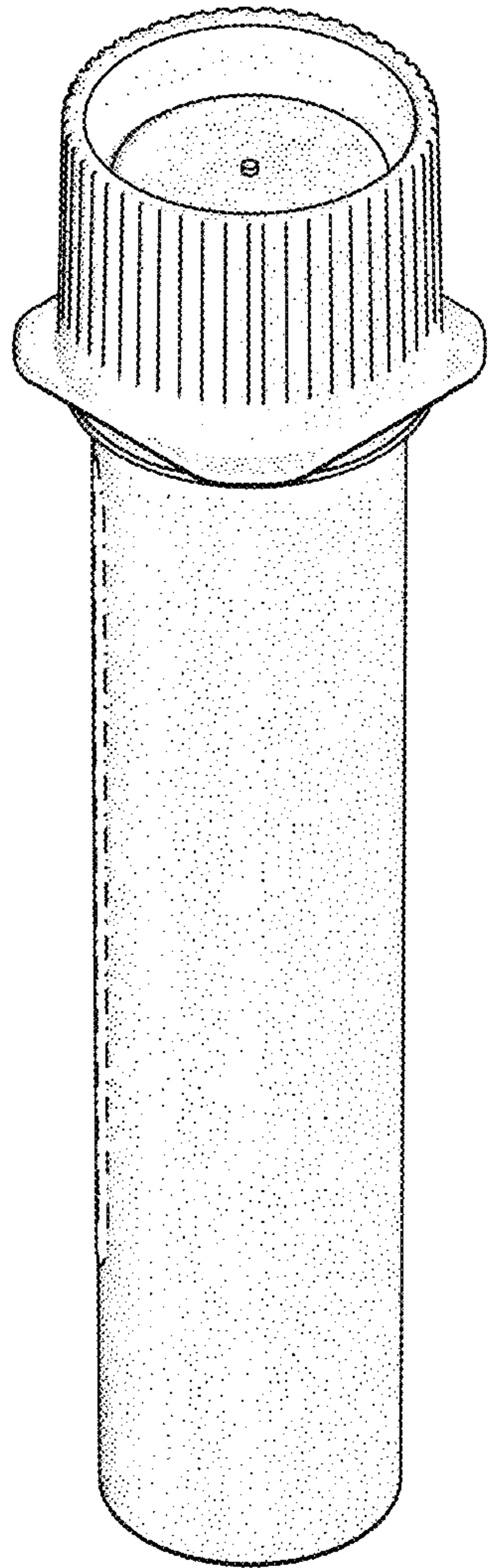


Figure 12

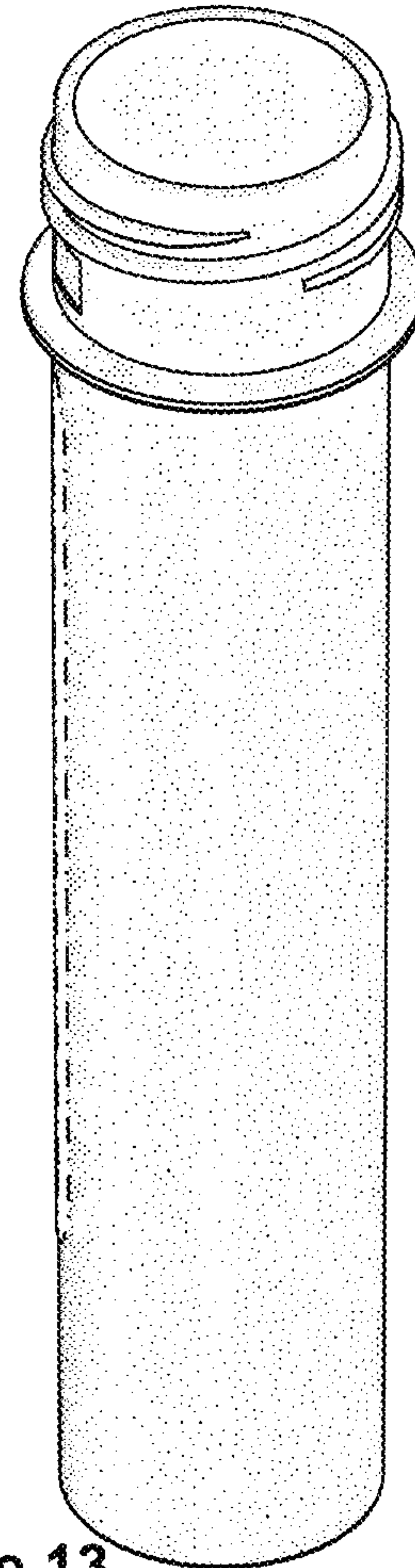
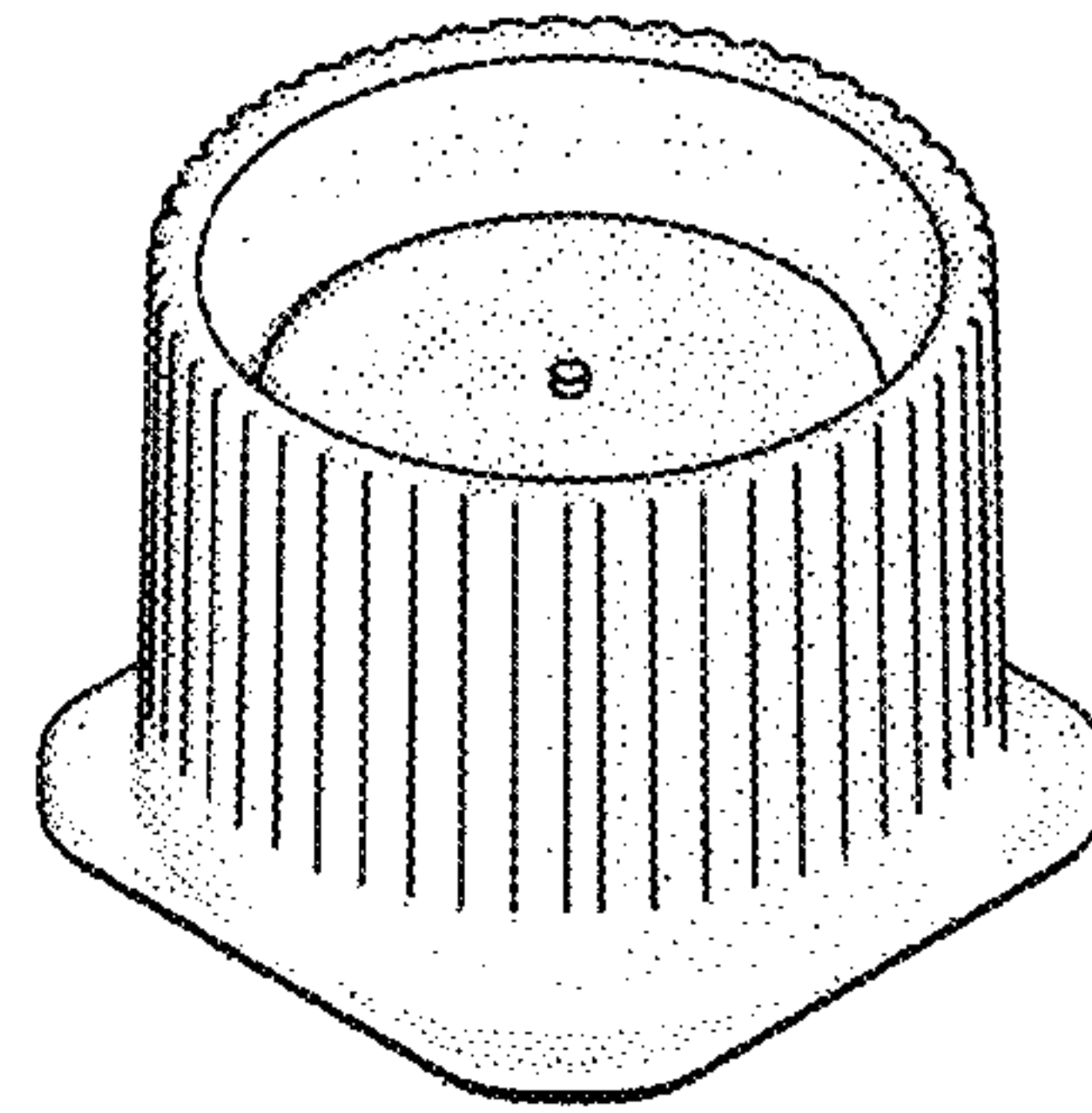


Figure 13

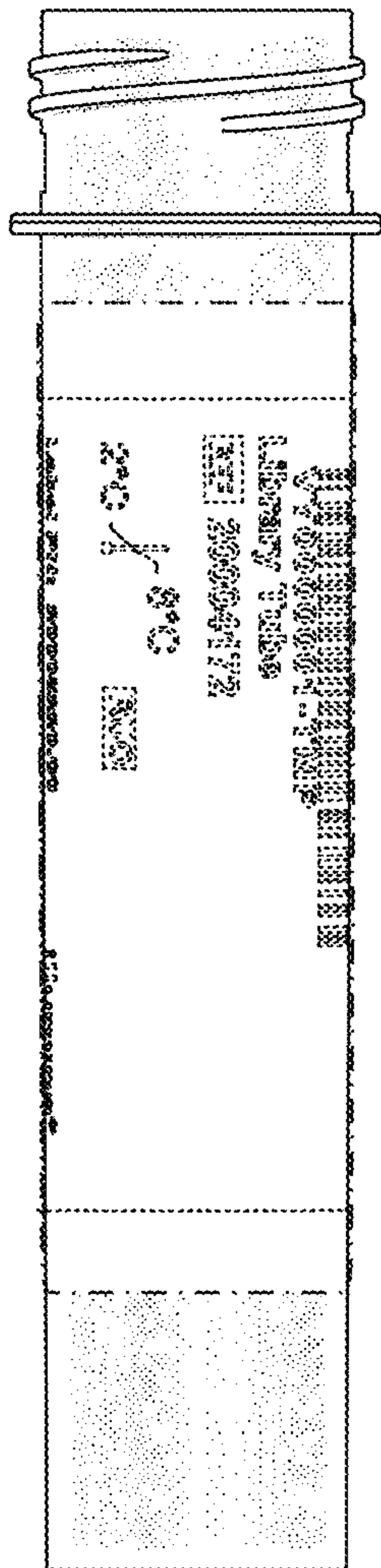


Figure 14

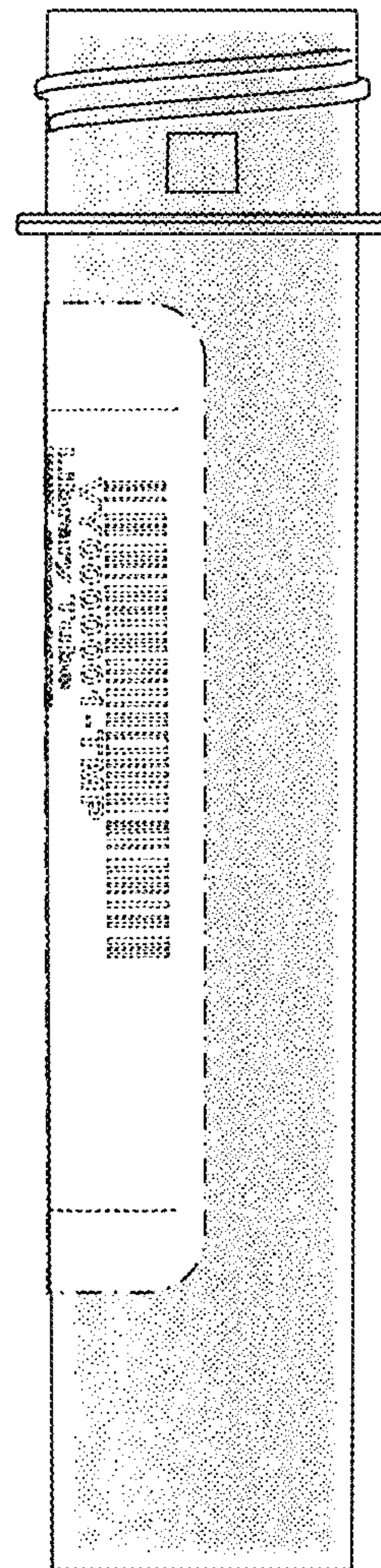


Figure 15

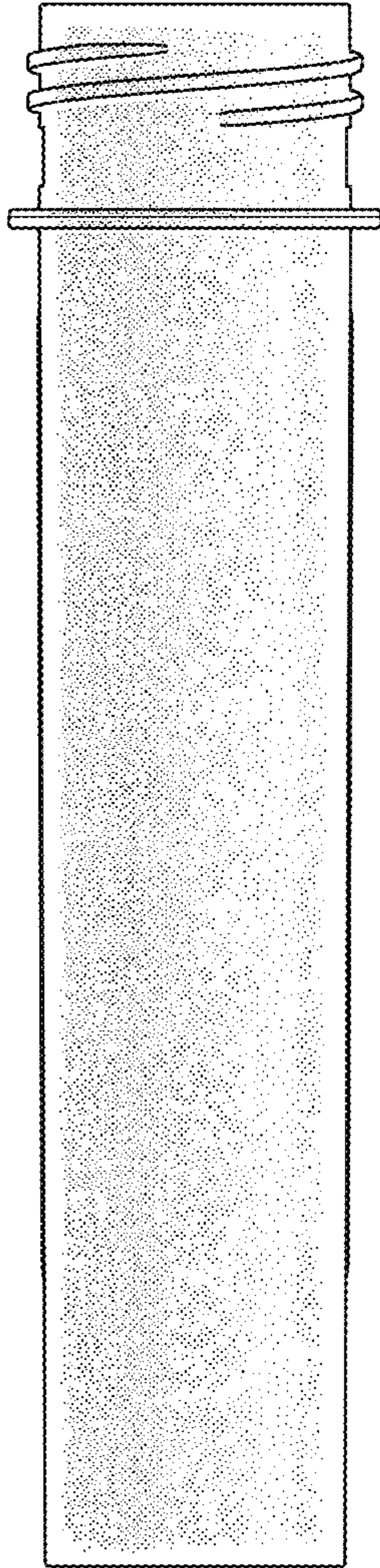


Figure 16

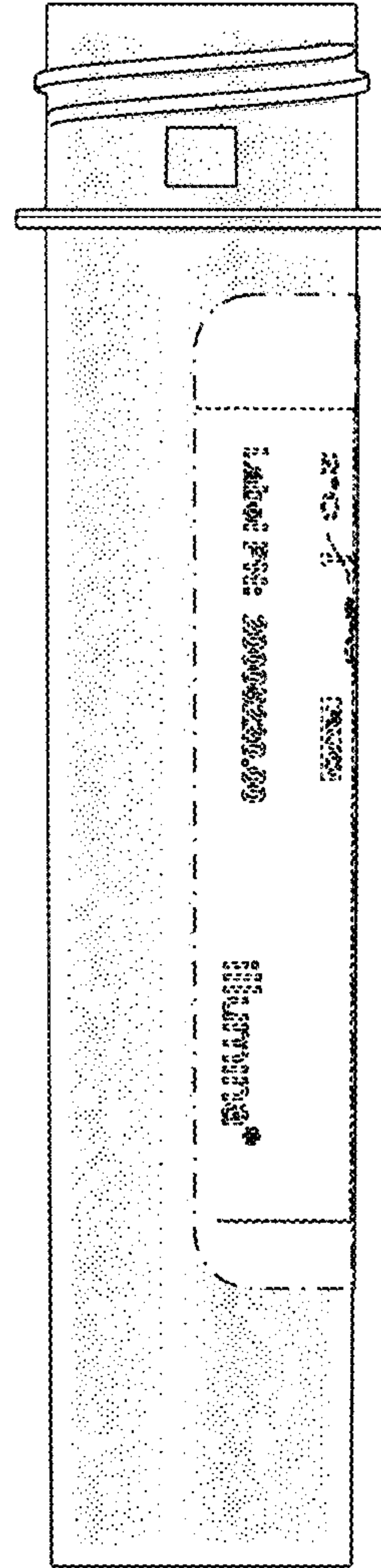


Figure 17

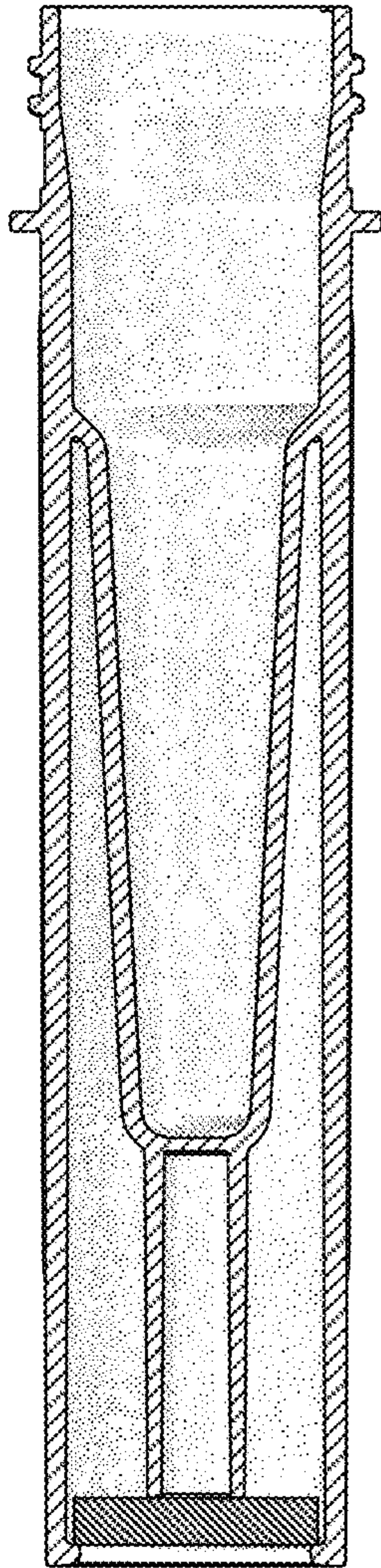


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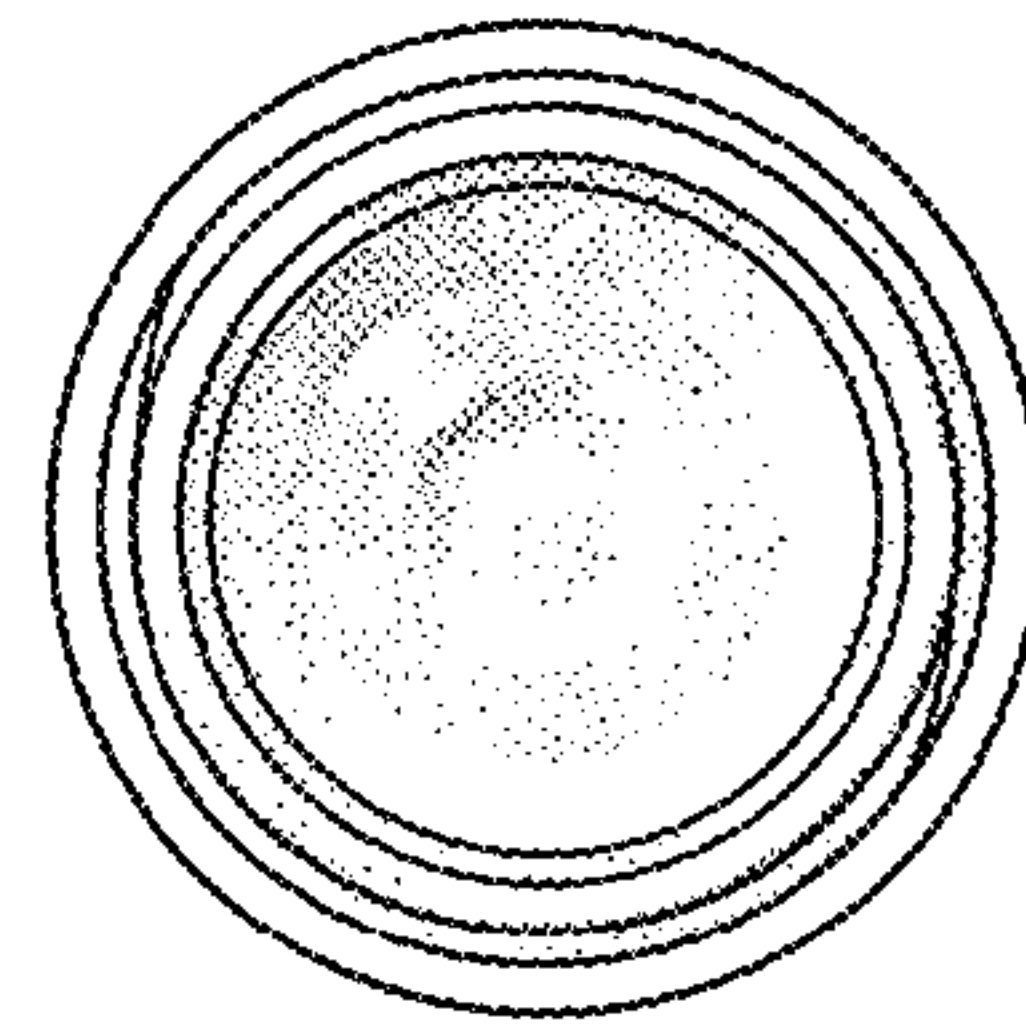


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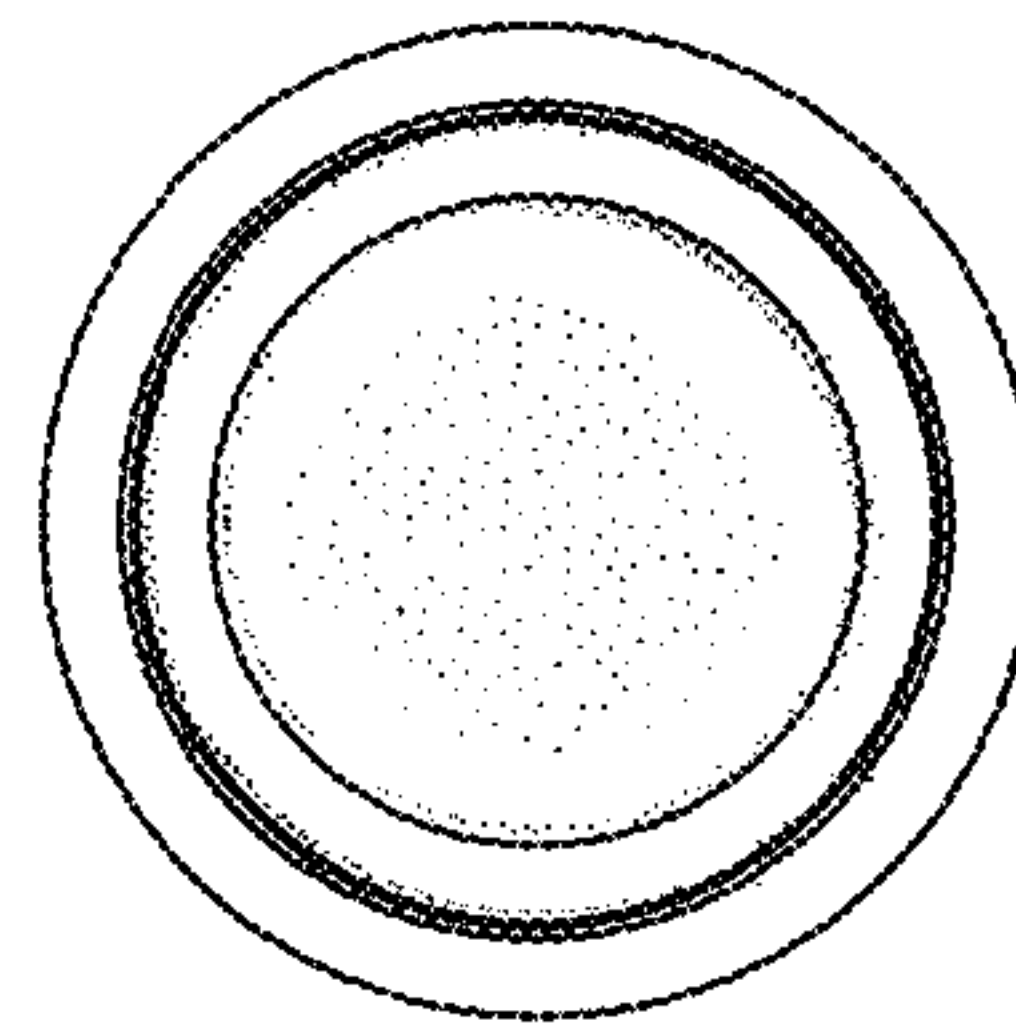


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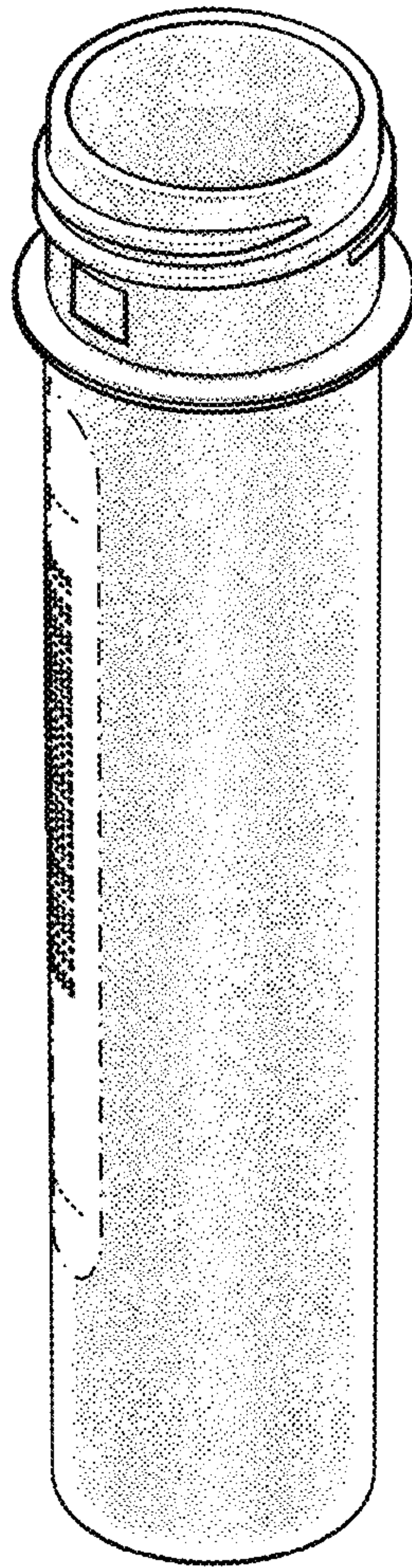


Figure 21