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(12) **United States Design Patent** (10) **Patent No.:** **US D783,794 S**  
**Shen** (45) **Date of Patent:** **\*\* Apr. 11, 2017**

(54) **AIR PURIFIER**

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/364**

(58) **Field of Classification Search**  
USPC ..... D23/355, 356, 359, 364, 366, 370, 386  
CPC ..... B01D 46/00; B01D 46/0002; A61L 9/00  
See application file for complete search history.

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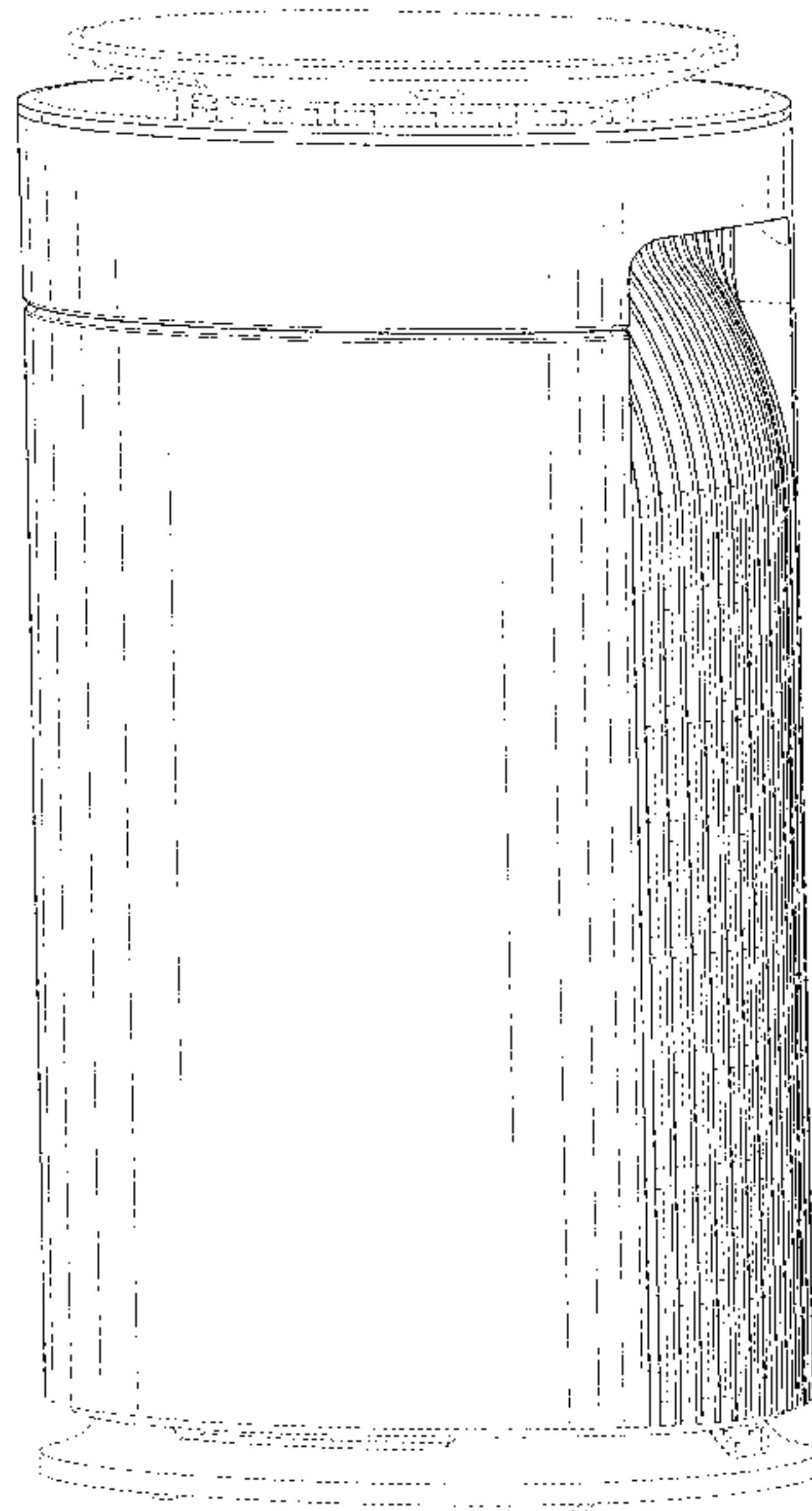
(57) **CLAIM**

The ornamental design for an air purifier, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevation view of an air purifier.  
 FIG. 2 is a rear elevation view of FIG. 1.  
 FIG. 3 is a left side elevation view of FIG. 1.  
 FIG. 4 is a right side elevation view of FIG. 1.  
 FIG. 5 is a top plan view of FIG. 1.  
 FIG. 6 is a bottom plan view of FIG. 1.  
 FIG. 7 is a left side lower front perspective view of FIG. 1, the right side lower rear perspective view being a mirror image thereof.  
 FIG. 8 is a left side upper front perspective view of FIG. 1, the right side upper rear perspective view being a mirror image thereof.  
 FIG. 9 is a left side front upper perspective view FIG. 1, the right side rear upper perspective view being a mirror image thereof.  
 FIG. 10 is left side lower front perspective view FIG. 1, the right side lower rear perspective view being a mirror image thereof.  
 FIG. 11 is a right side lower front perspective view of FIG. 1, the left side lower rear perspective view being a mirror image thereof; and,  
 FIG. 12 is an illustrative cross-sectional view along section 12-12 in FIG. 4 denoting the profile of the air channels.  
 Portions and surfaces not illustrated herein form no part of the claimed design. The broken lines in the drawings illustrating small openings in the sides of the air channels, the top air exhaust portion and bottom support portions of the air purifier form no part of the claimed design. The surface shading lines are included to illustrate contour only.

**1 Claim, 12 Drawing Sheets**



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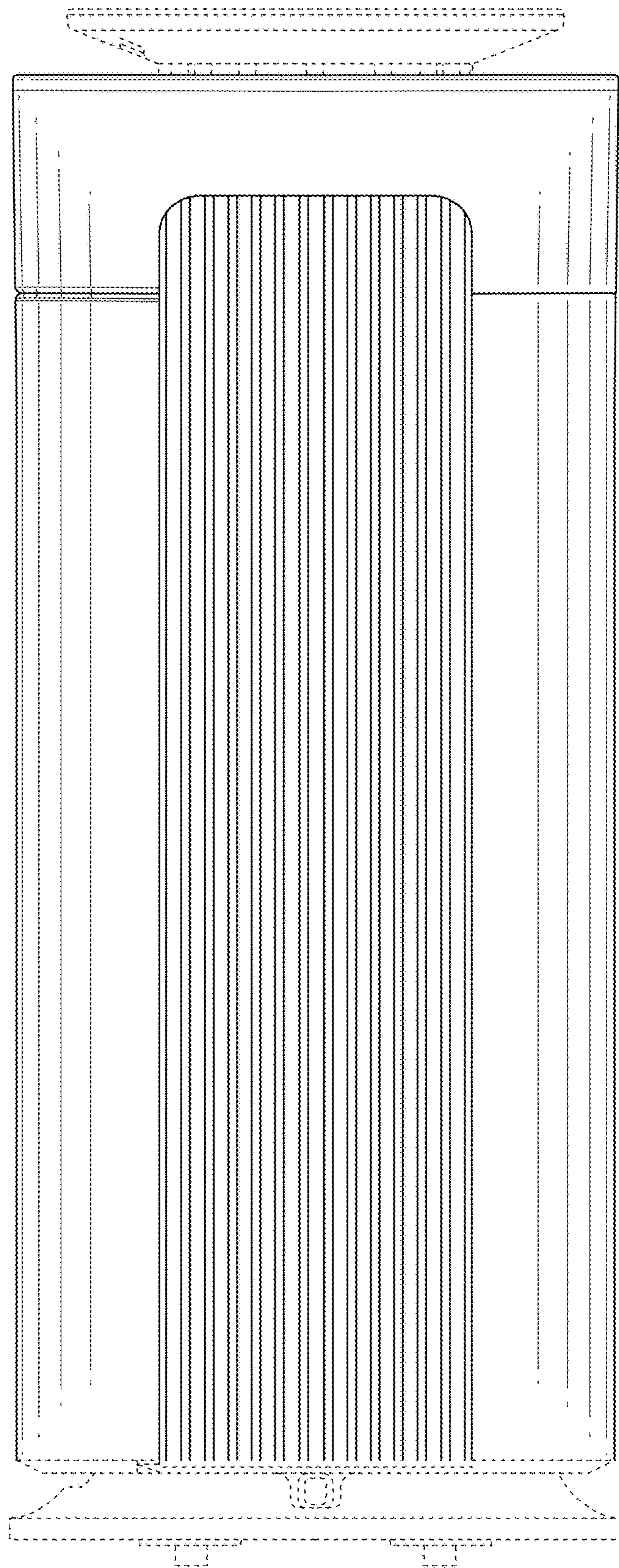


FIG. 1



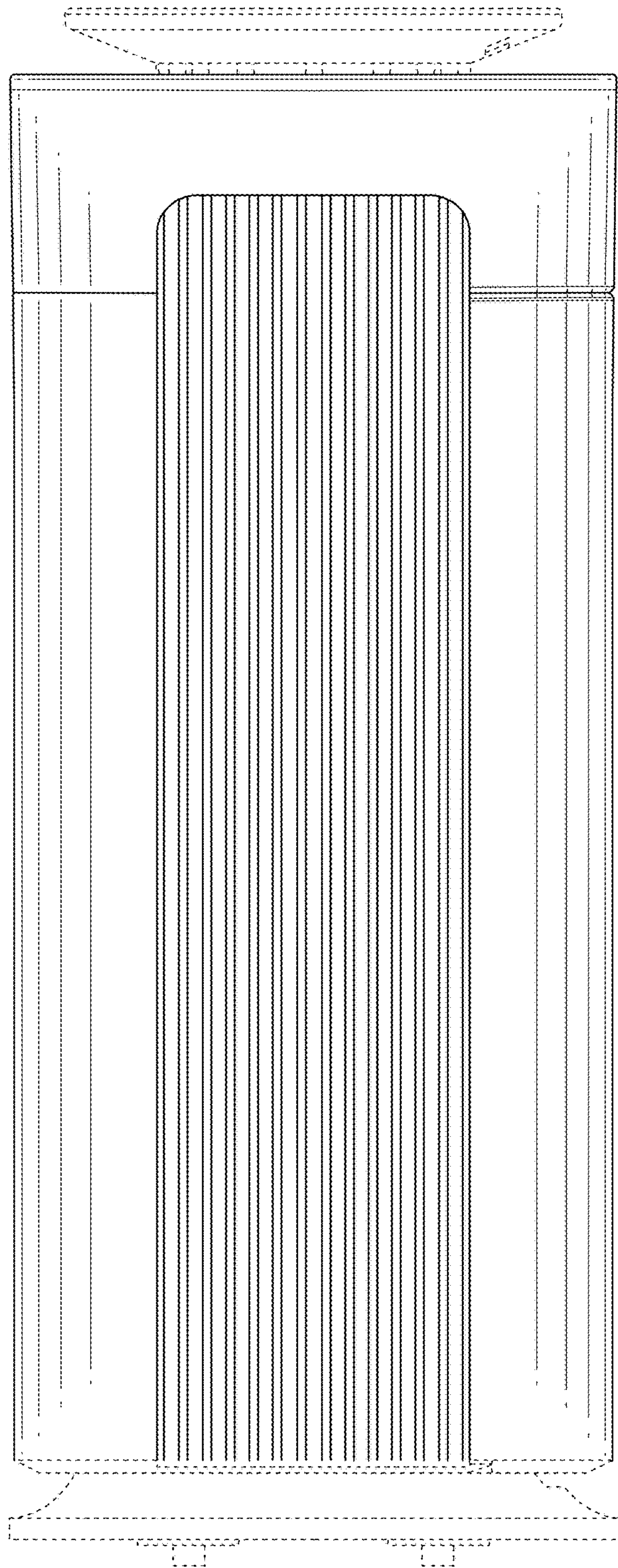


FIG. 2

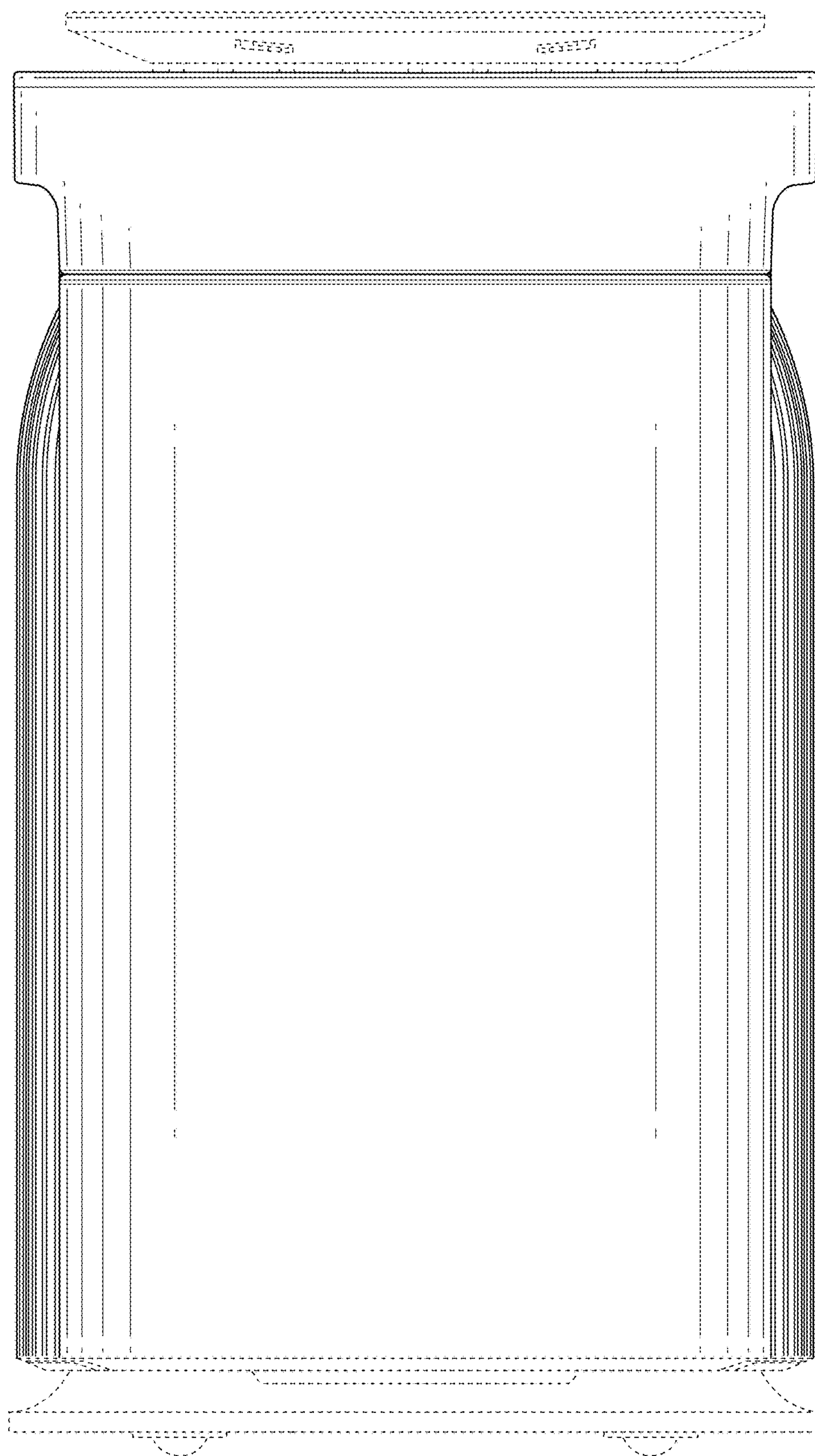


FIG. 3

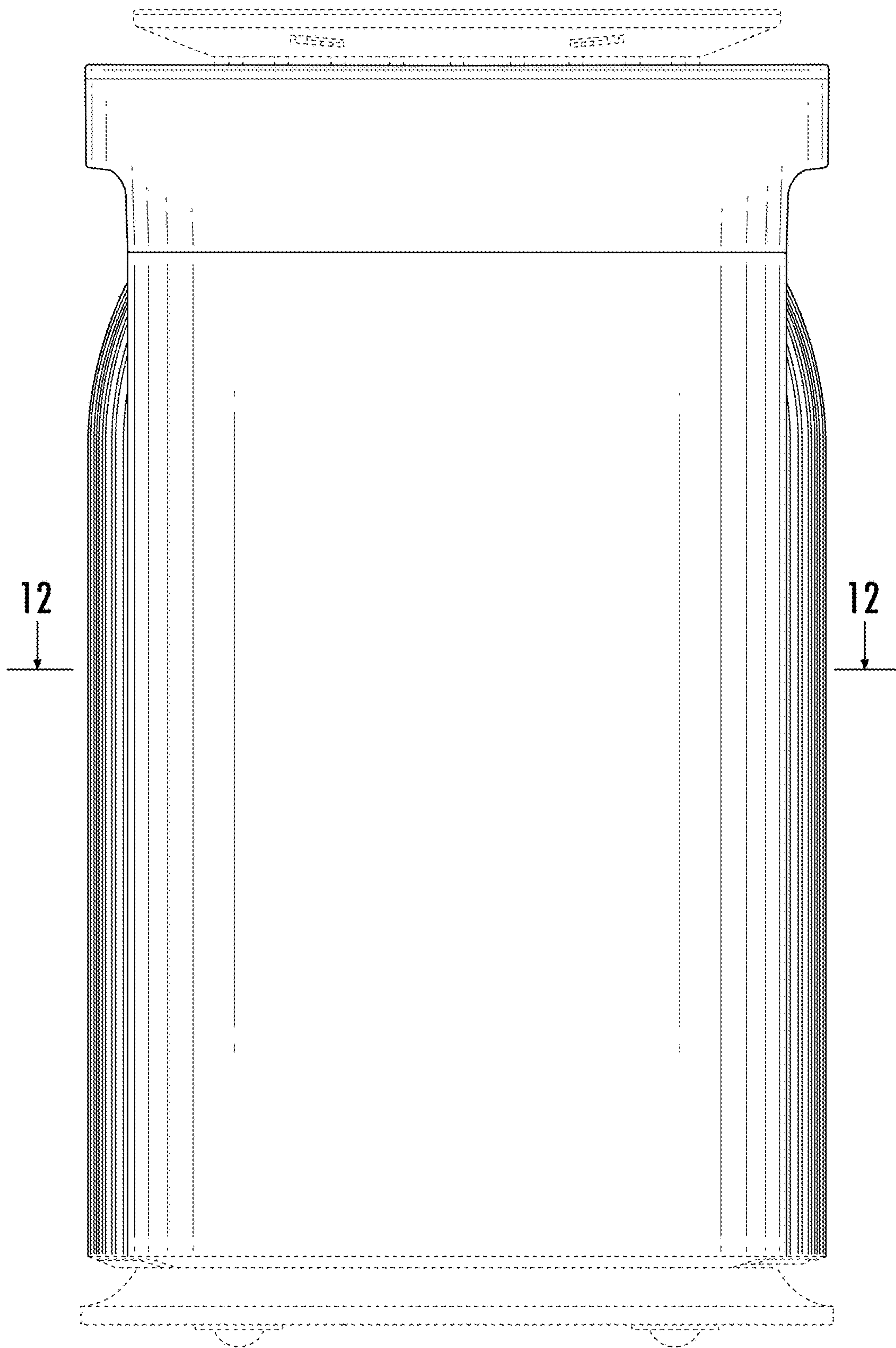
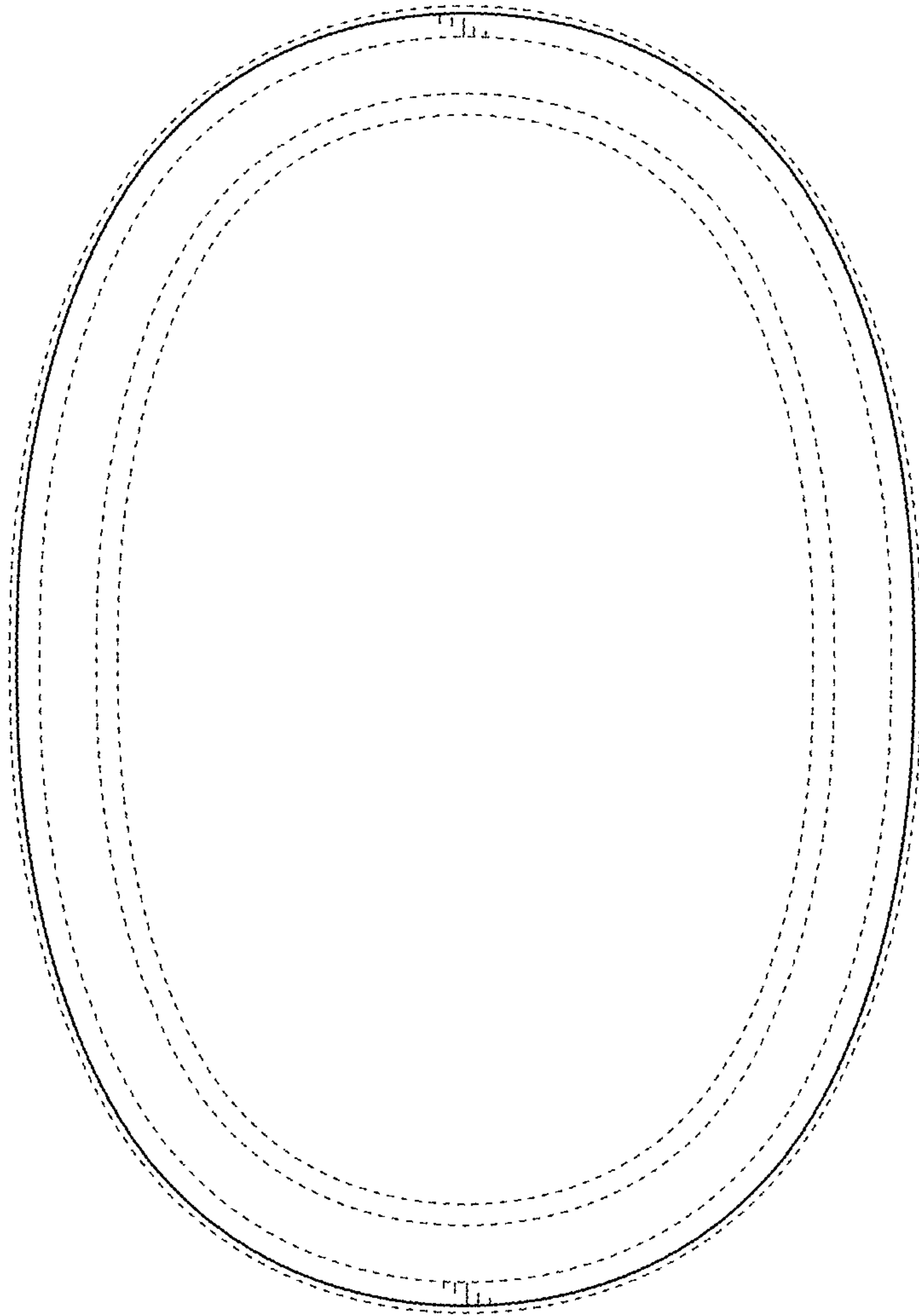
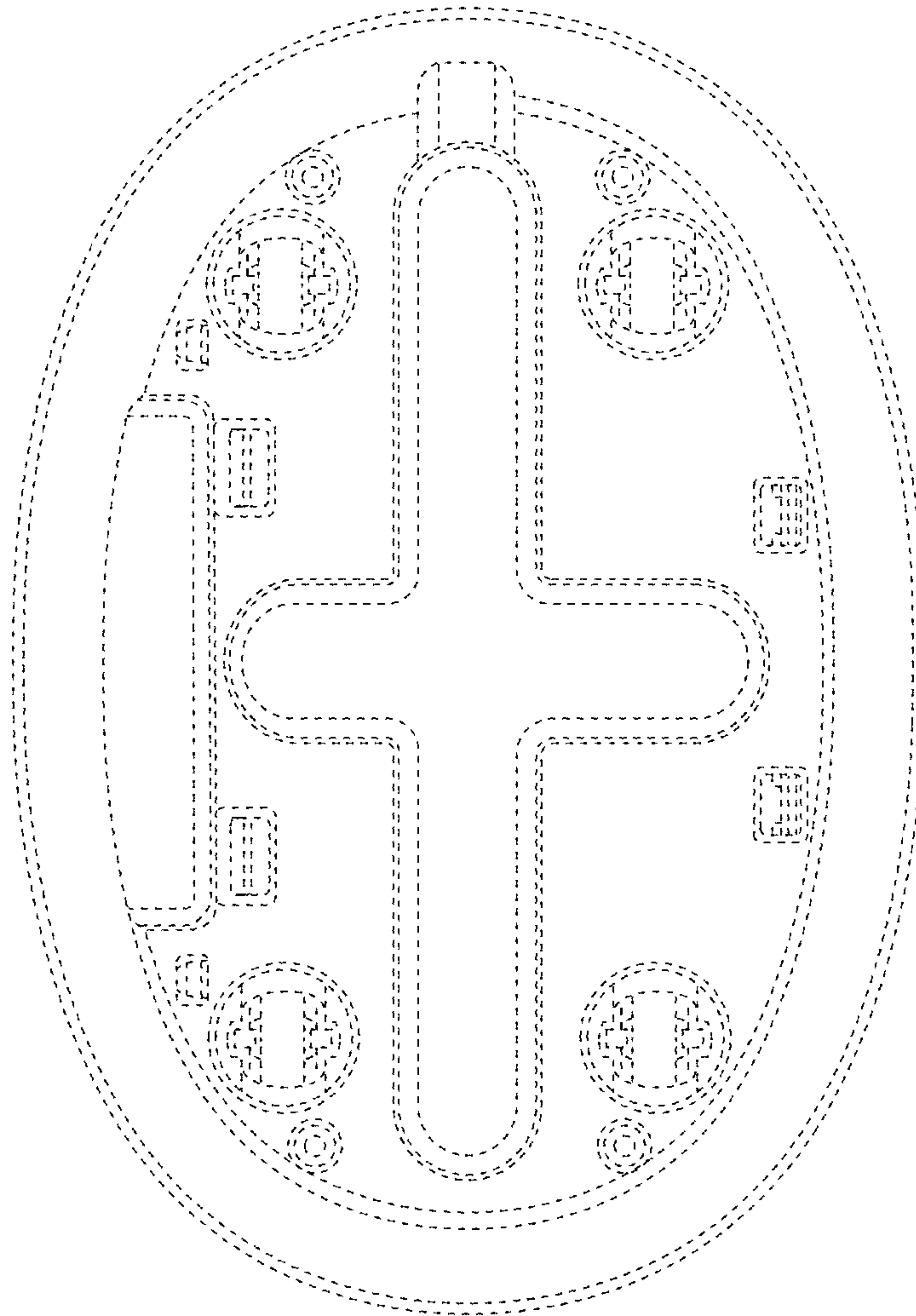


FIG. 4



**FIG. 5**





**FIG. 6**



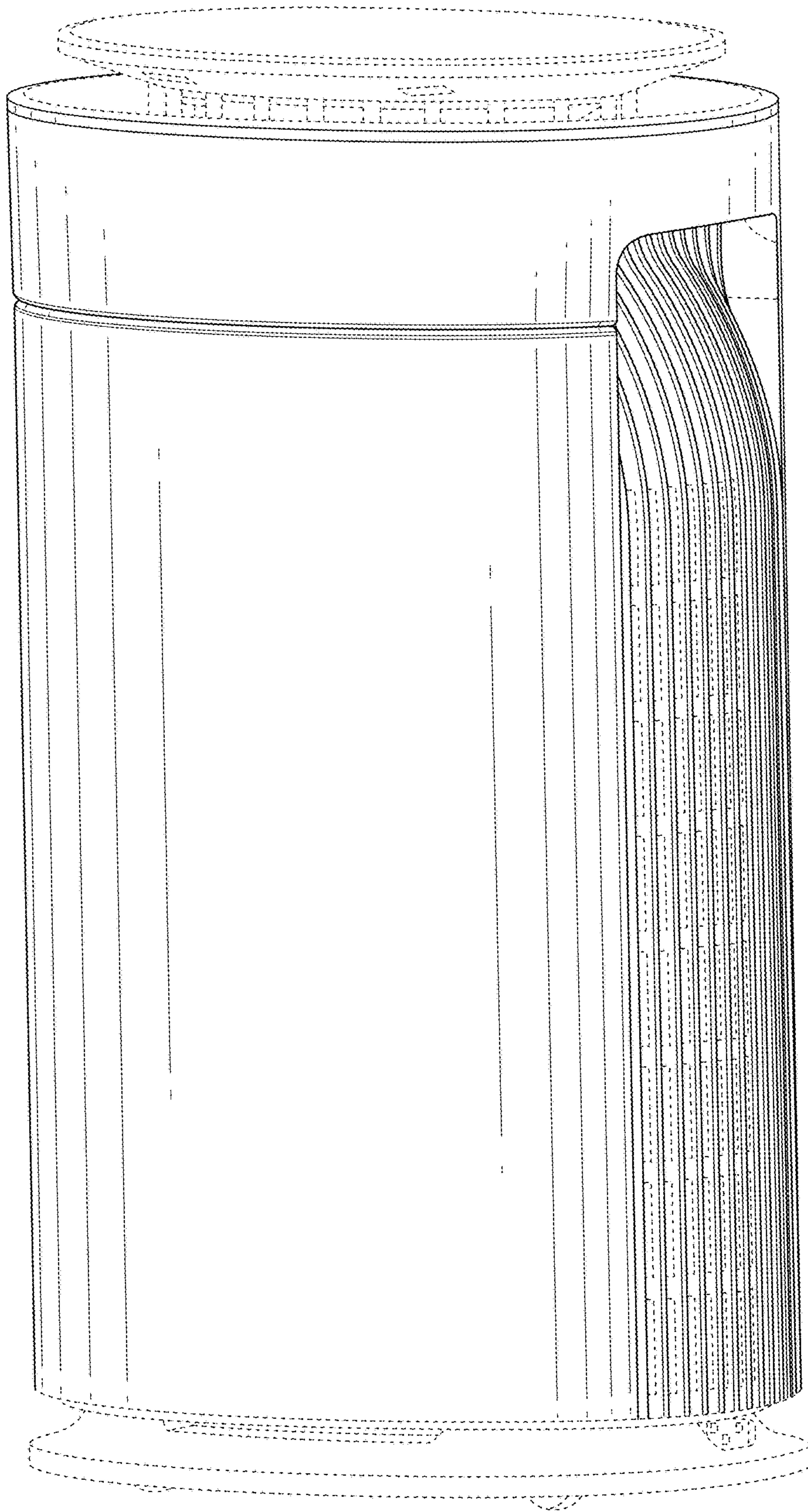
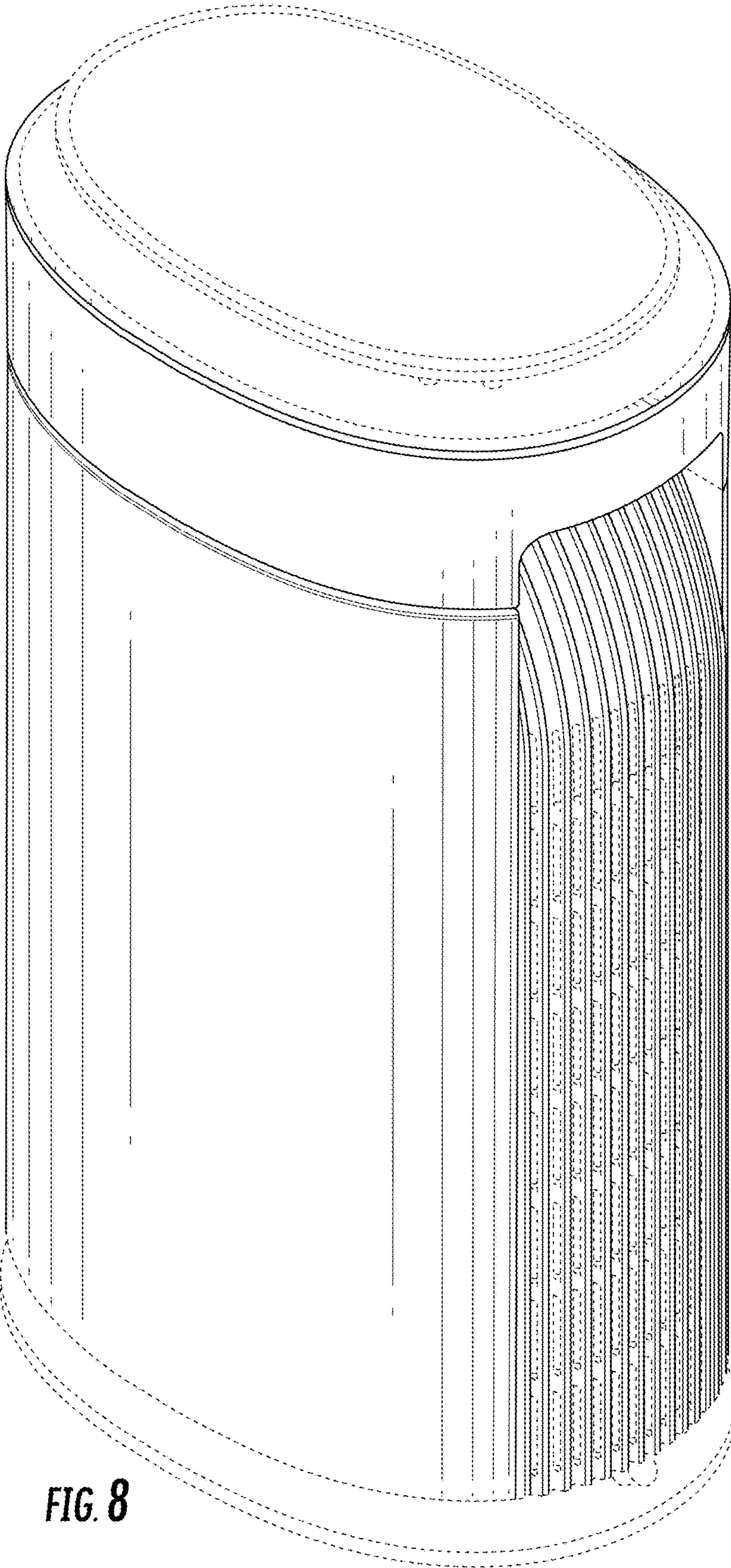


FIG. 7



**FIG. 8**



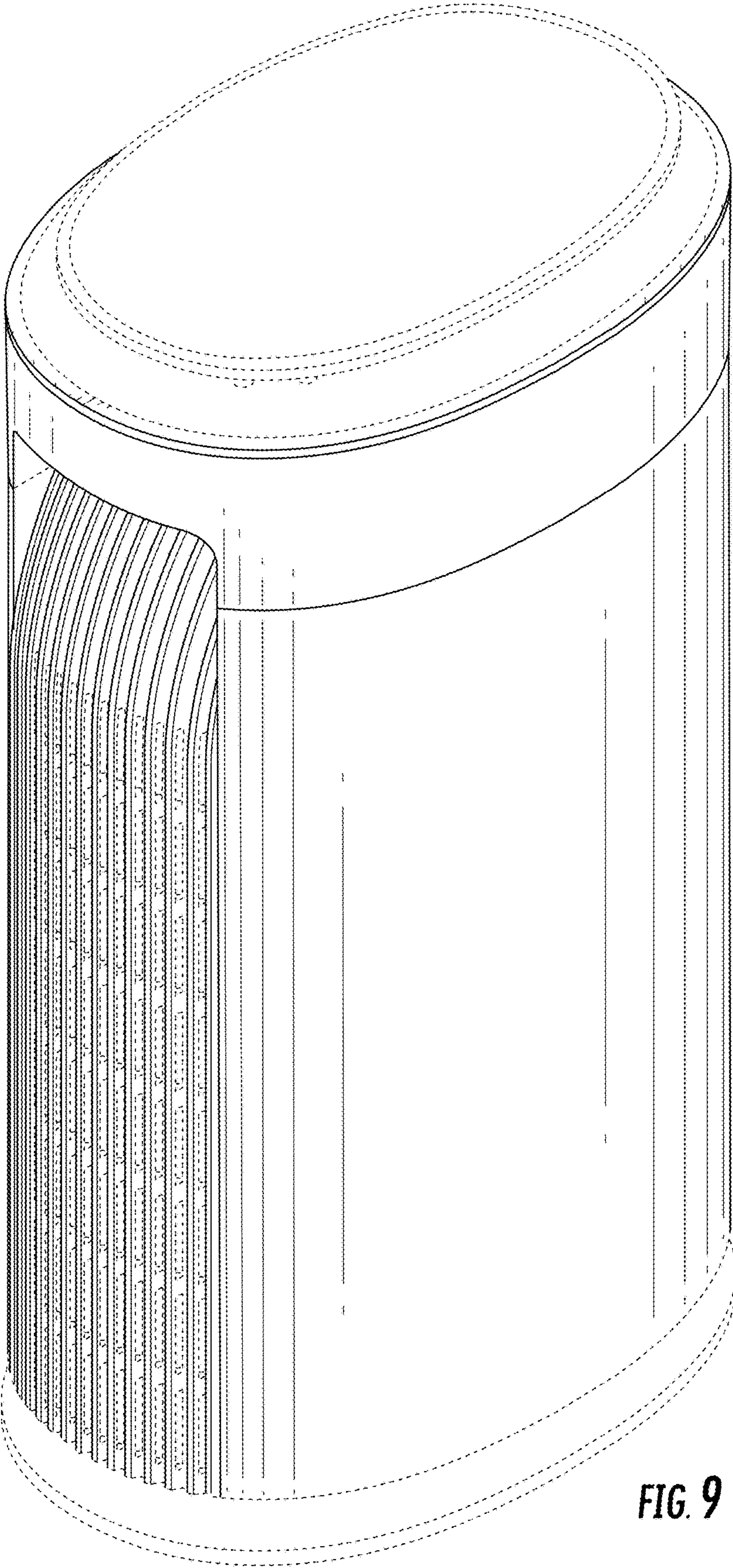
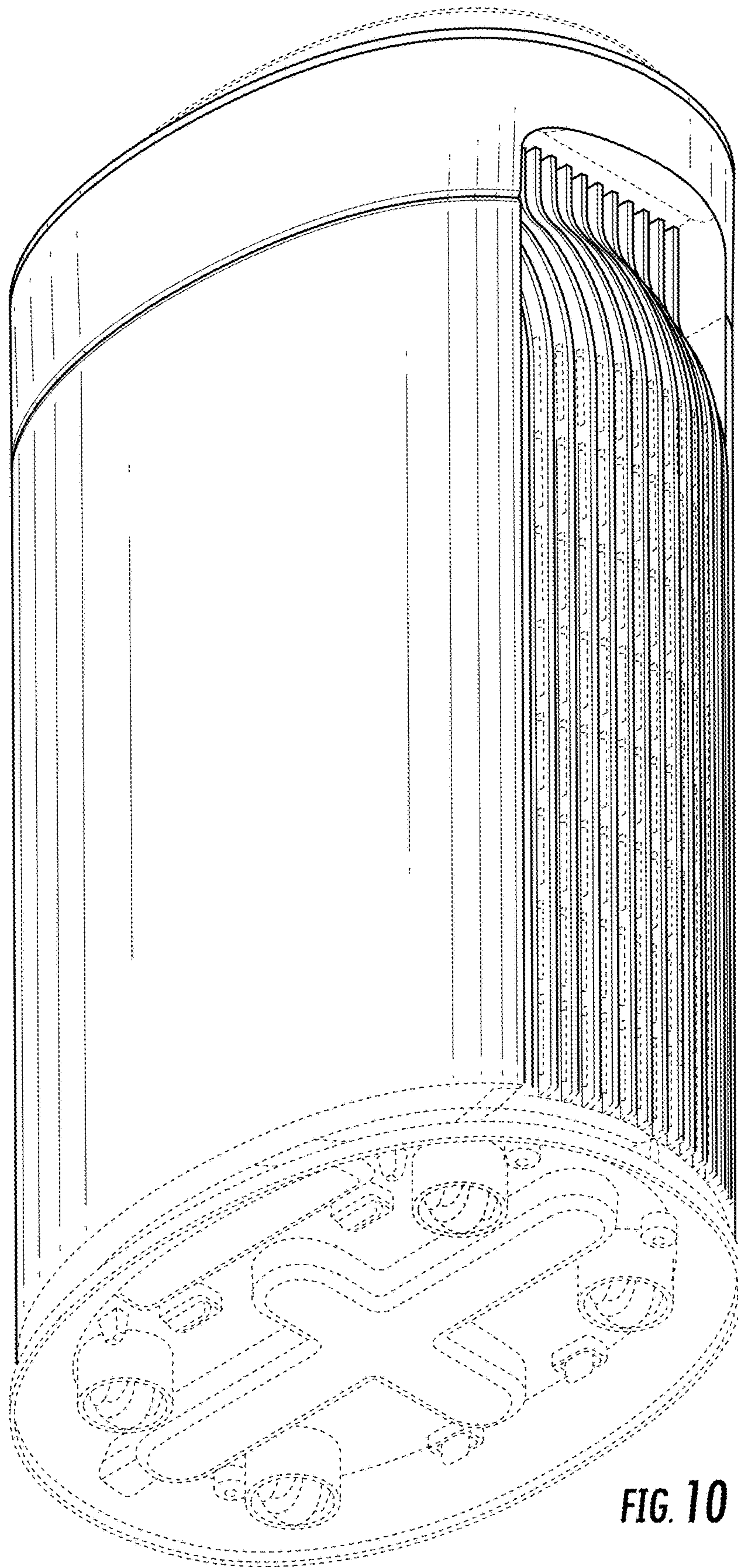


FIG. 9



**FIG. 10**



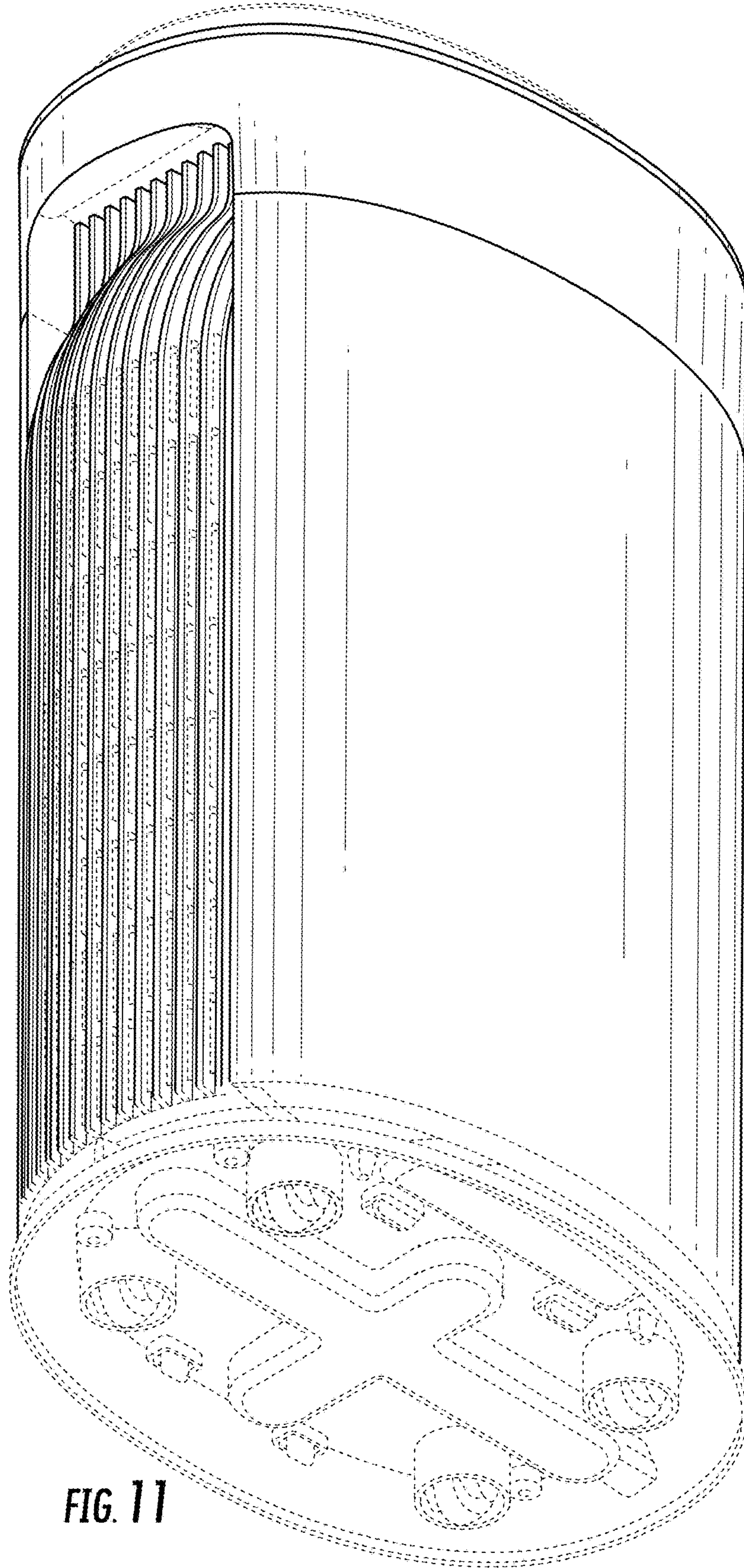


FIG. 11

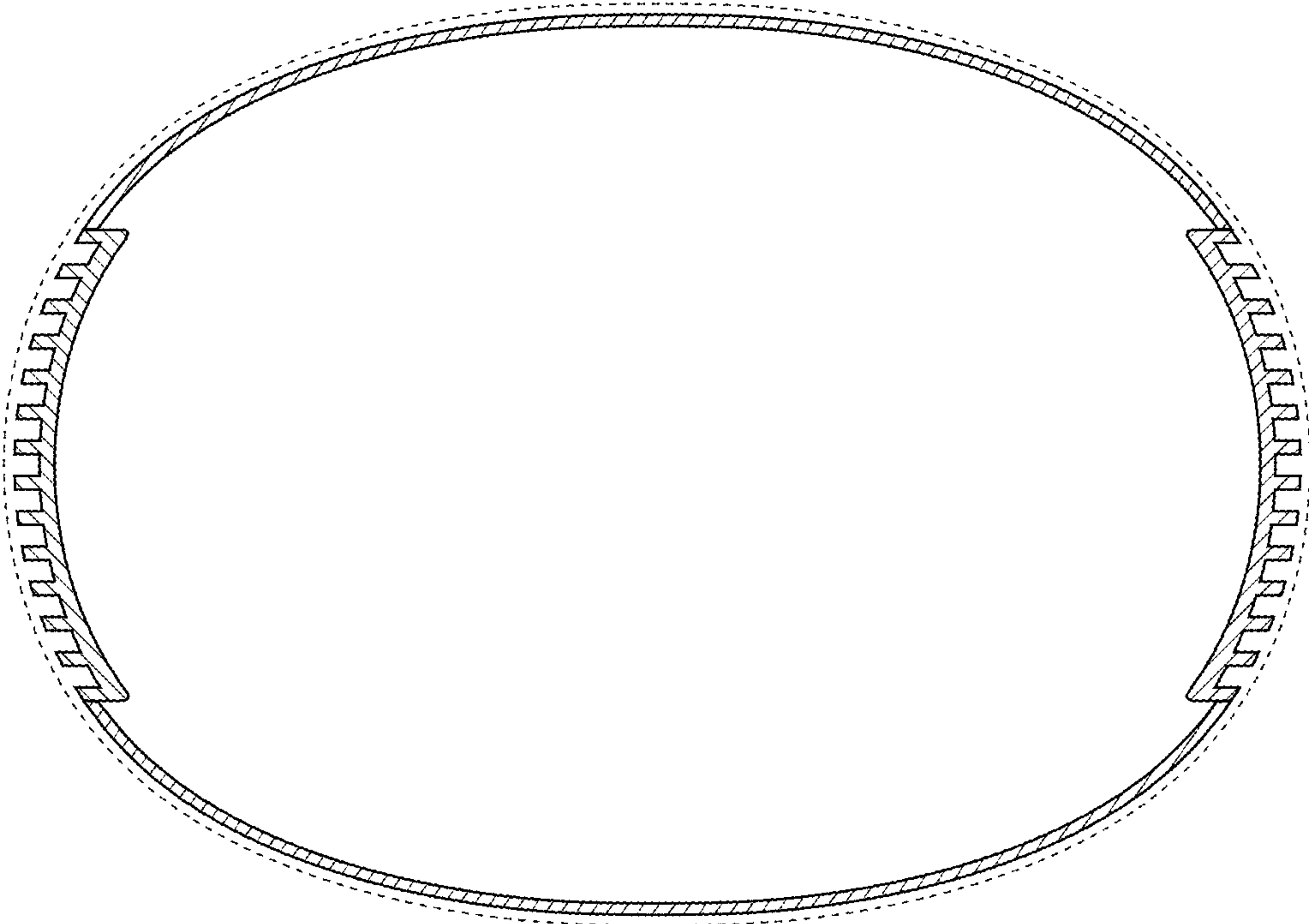


FIG. 12