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

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(54) **AIR PURIFIER**

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(KR)

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(\*\*) Term: **15 Years**

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** ..... **23-04**

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

(58) **Field of Classification Search**  
USPC .. D7/536, 538, 553.8, 554.2, 602-604, 612;  
D9/428, 545, 738, 763-764, 767;  
D23/332-335, 337, 342, 352, 355-366,  
D23/369-370; D5/1-3, 56-63  
CPC .. A61L 9/00; A61L 9/22; B01D 47/00; B01D  
47/027; B01D 2259/4508; B03C 3/155;  
B03C 3/368; F24F 3/16; F24F 13/20;  
F24F 13/28  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D818,095 S \* 5/2018 Cho ..... D23/364  
D818,097 S \* 5/2018 Cho ..... D23/364  
D835,766 S \* 12/2018 Chen ..... D23/364

D838,355 S \* 1/2019 Cho ..... D23/365  
D882,056 S \* 4/2020 Baillie ..... D23/364  
D886,272 S \* 6/2020 Yang ..... D23/364  
D886,975 S \* 6/2020 Yang ..... D23/364  
D888,923 S \* 6/2020 Zhong ..... D23/364  
D905,220 S \* 12/2020 Farone ..... D23/364  
D906,501 S \* 12/2020 Lim ..... D23/364  
D935,590 S \* 11/2021 Xu ..... D23/364  
D938,565 S \* 12/2021 Yang ..... D23/364  
D938,566 S \* 12/2021 Yang ..... D23/364

(Continued)

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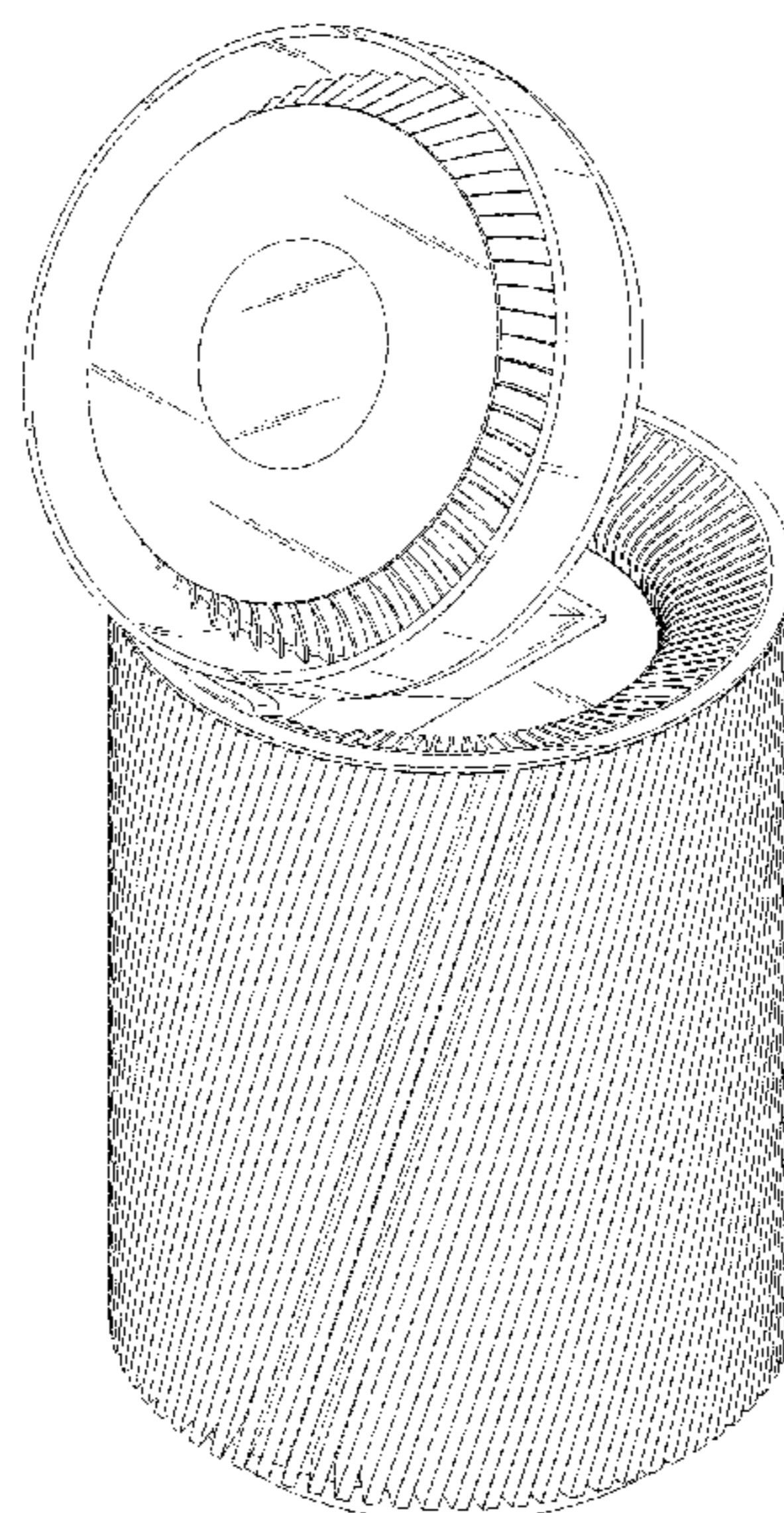
(57) **CLAIM**

We claim the ornamental design for an air purifier, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an air purifier showing the new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a rear elevation view thereof;  
FIG. 4 is a left-side elevation view thereof;  
FIG. 5 is a right-side elevation view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof;  
FIG. 8 is a perspective view thereof showing the circulator part at an angle;  
FIG. 9 is a perspective view thereof showing the circulator part at another angle; and,  
FIG. 10 is a partial perspective view thereof showing the air purifier in a state of use.  
The evenly spaced broken line features depict portions of the air purifier that form no part of the claimed design. The dot dash dot broken line in FIG. 10 denotes the boundary of the partial view and forms no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



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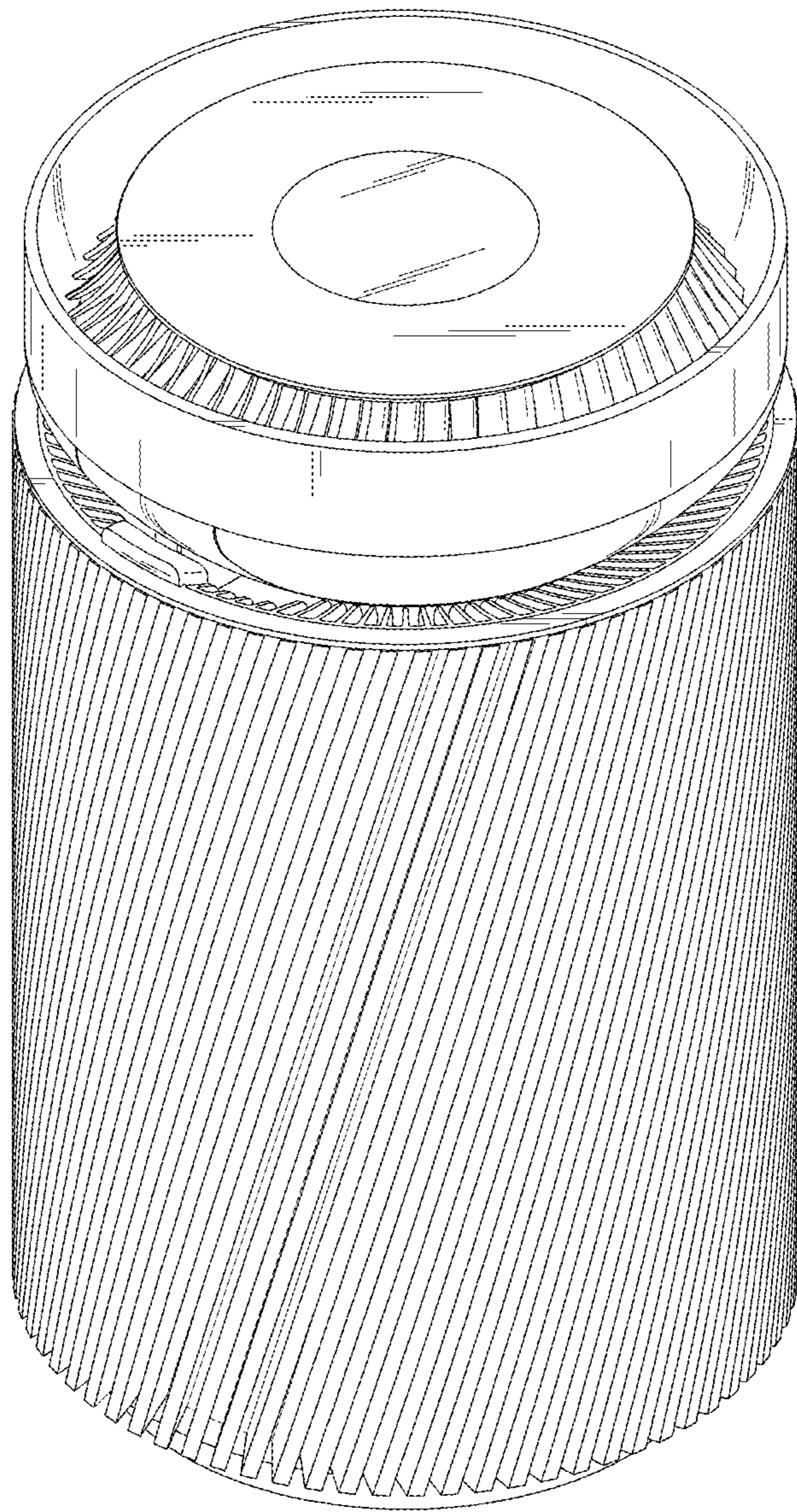
**References Cited**

U.S. PATENT DOCUMENTS

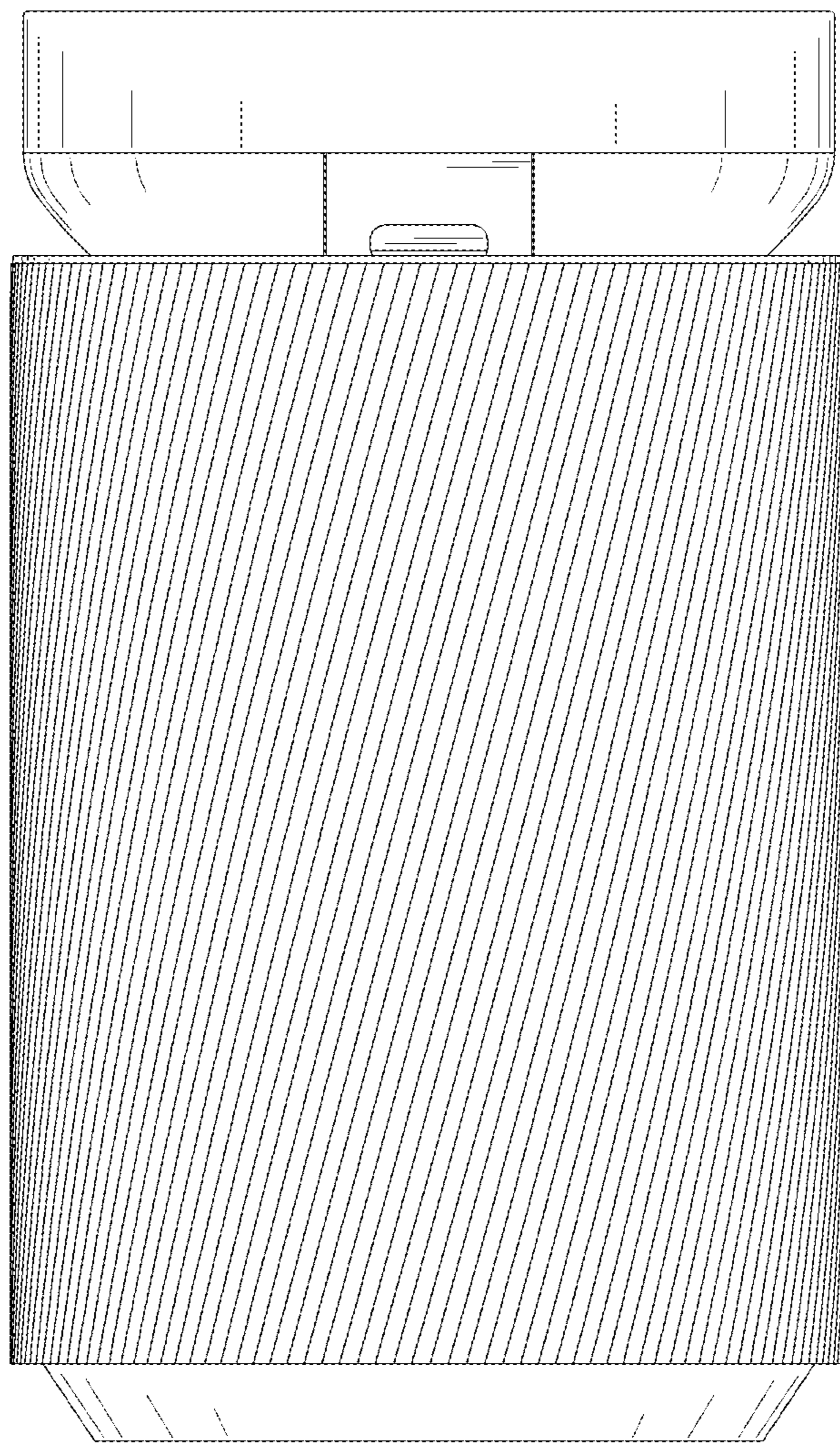
D941,980 S *	1/2022	Zhang .....	D23/364
D942,604 S *	2/2022	Yang .....	D23/364
D943,072 S *	2/2022	Hu .....	D23/356
D944,959 S *	3/2022	Wang .....	D23/364
D947,341 S *	3/2022	Xia .....	D23/364
D948,016 S *	4/2022	Yoon .....	D23/364
D950,034 S *	4/2022	Peng .....	D23/364
D951,412 S *	5/2022	Han .....	D23/364
D952,817 S *	5/2022	Han .....	D23/364
D954,241 S *	6/2022	Han .....	D23/364
D957,607 S *	7/2022	Han .....	D23/364
D957,609 S *	7/2022	Han .....	D23/364

\* cited by examiner

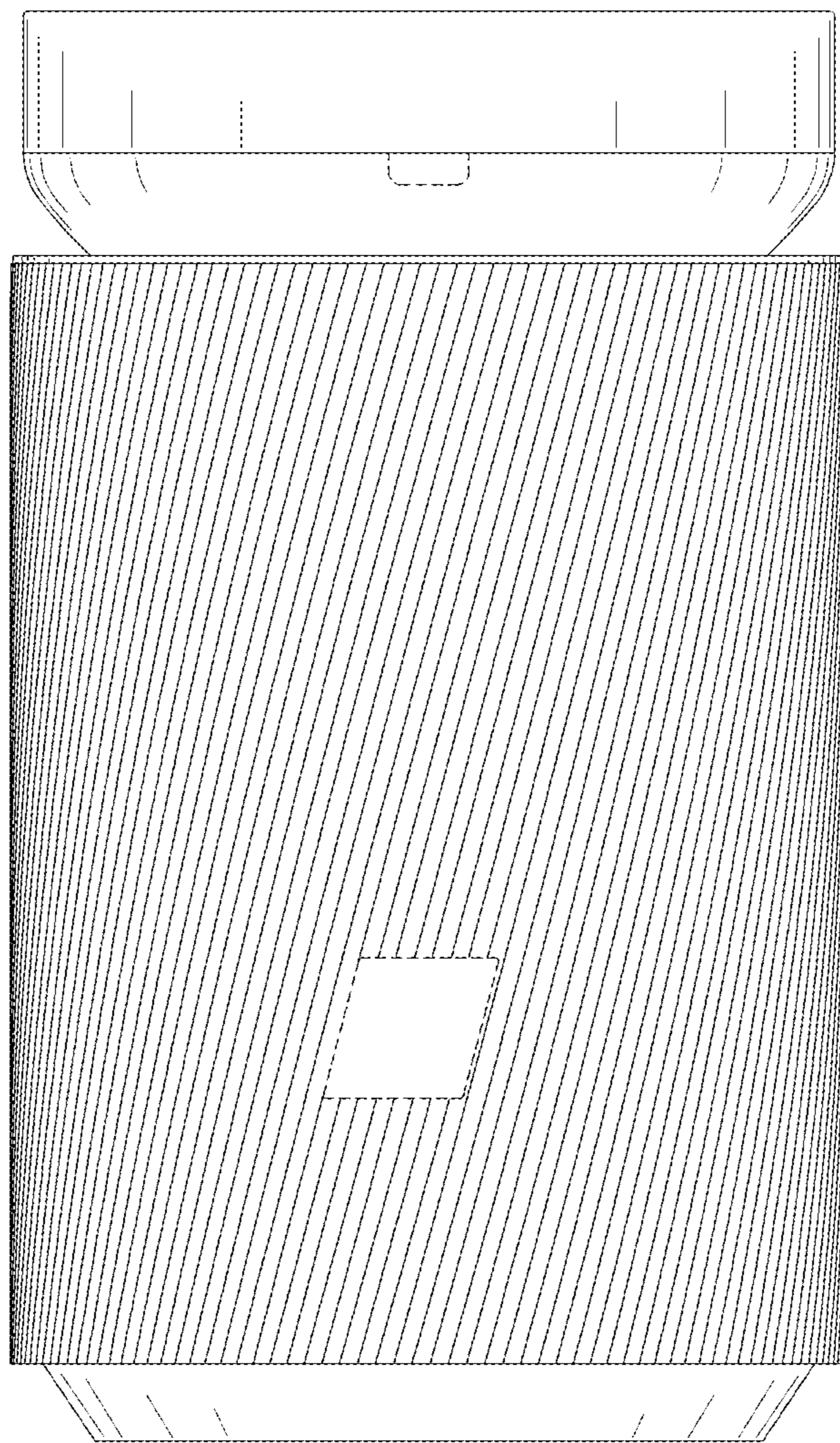
*FIG. 1*



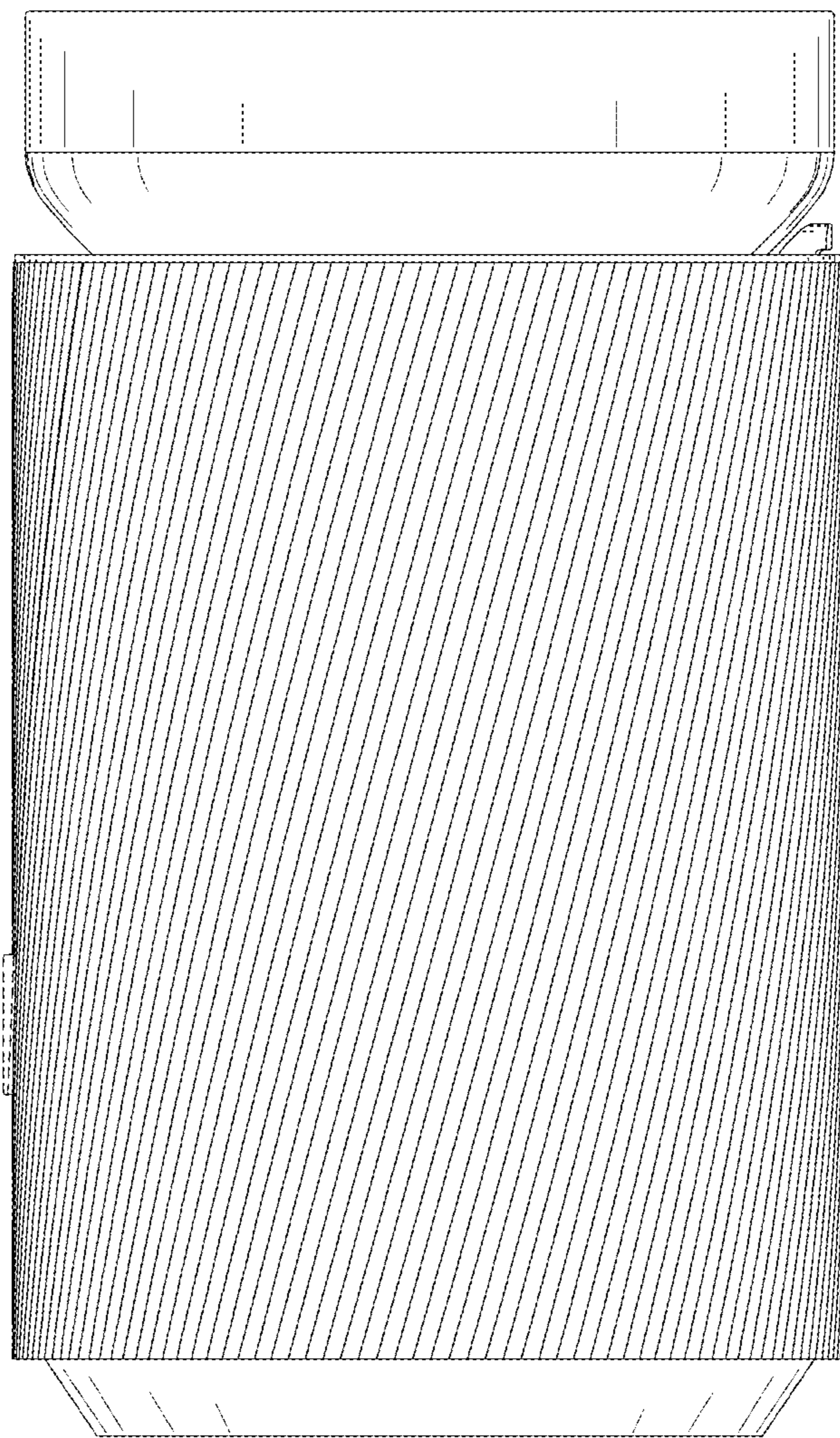
*FIG. 2*



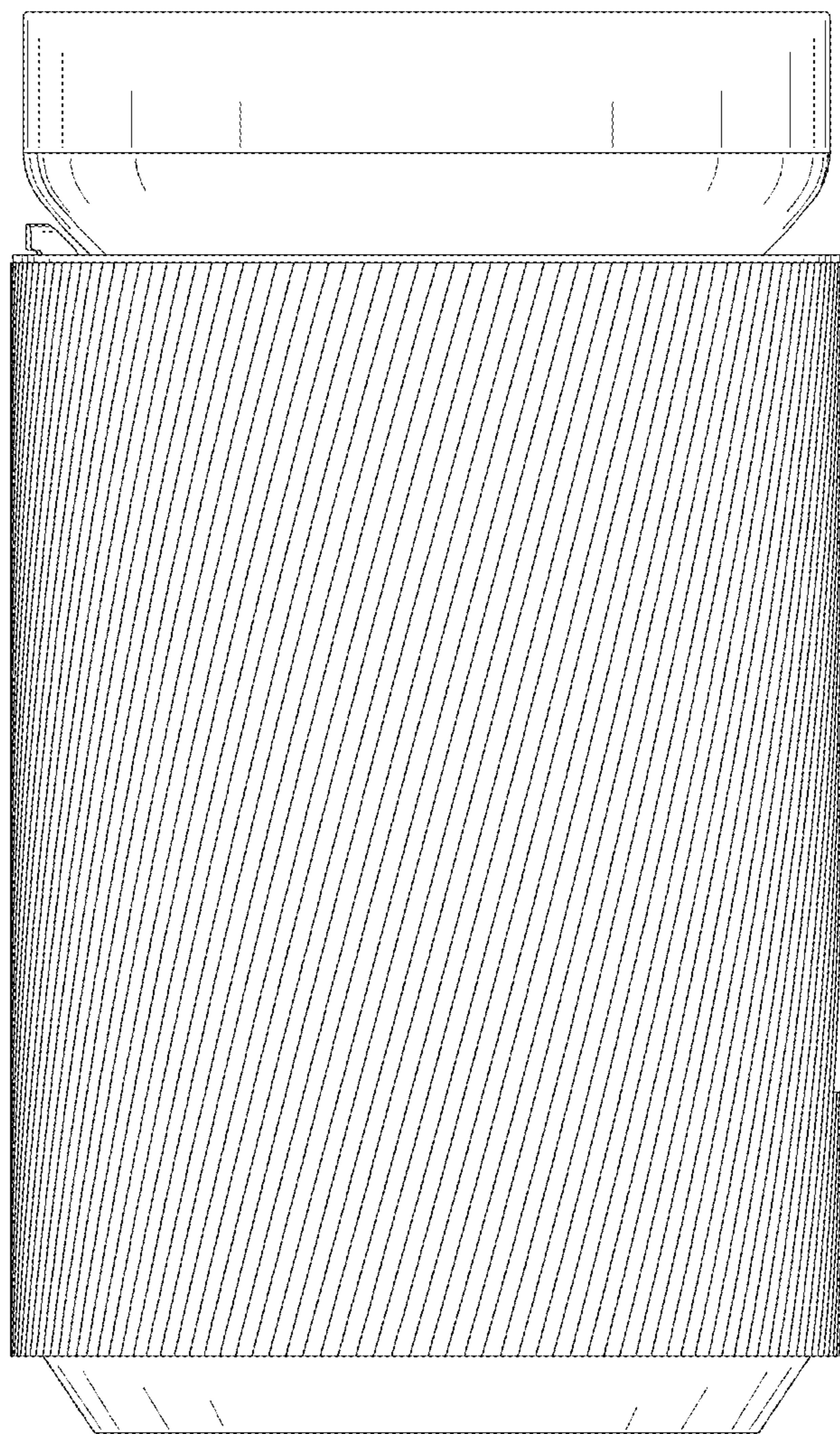
*FIG. 3*



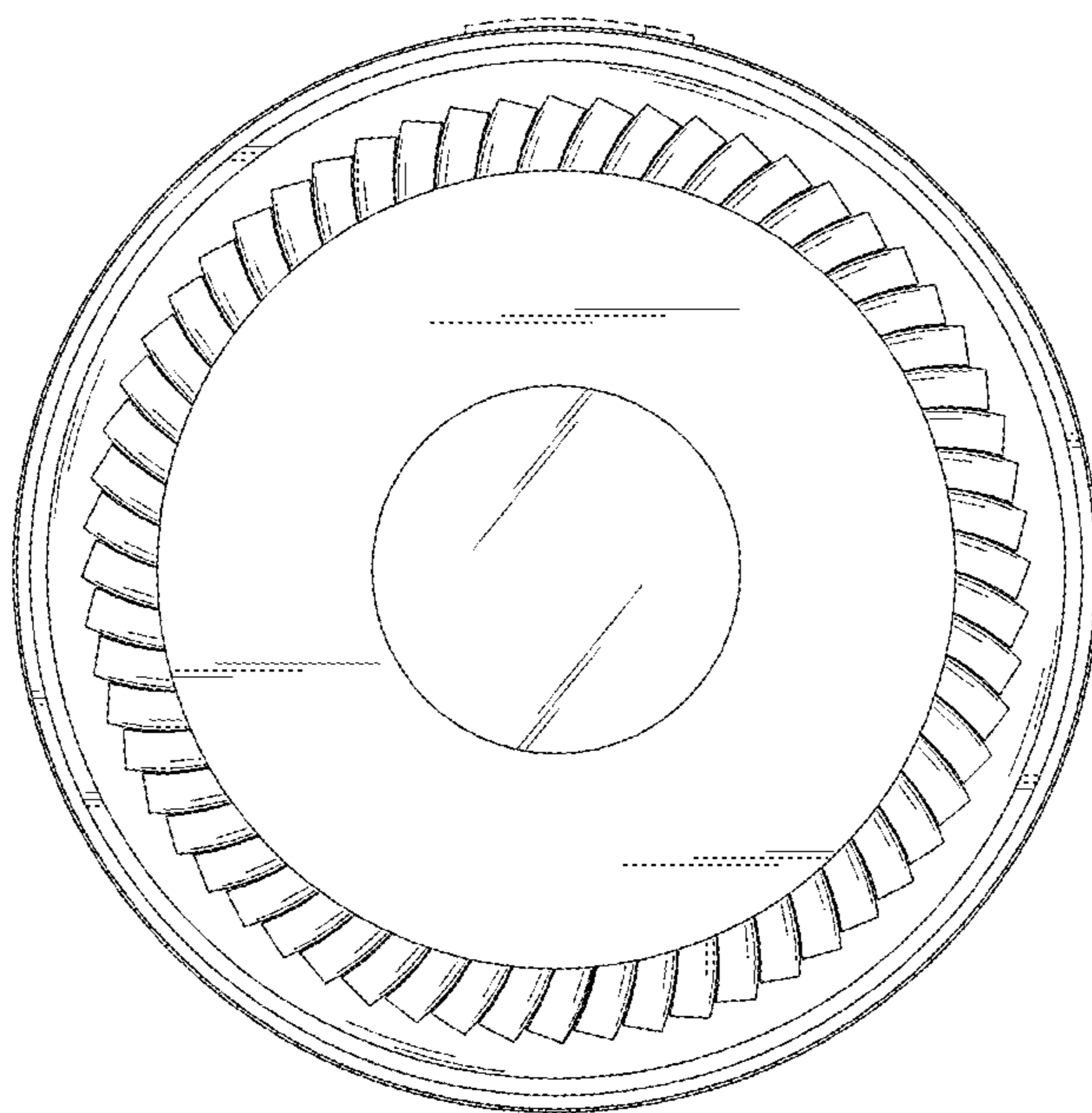
*FIG. 4*



*FIG. 5*

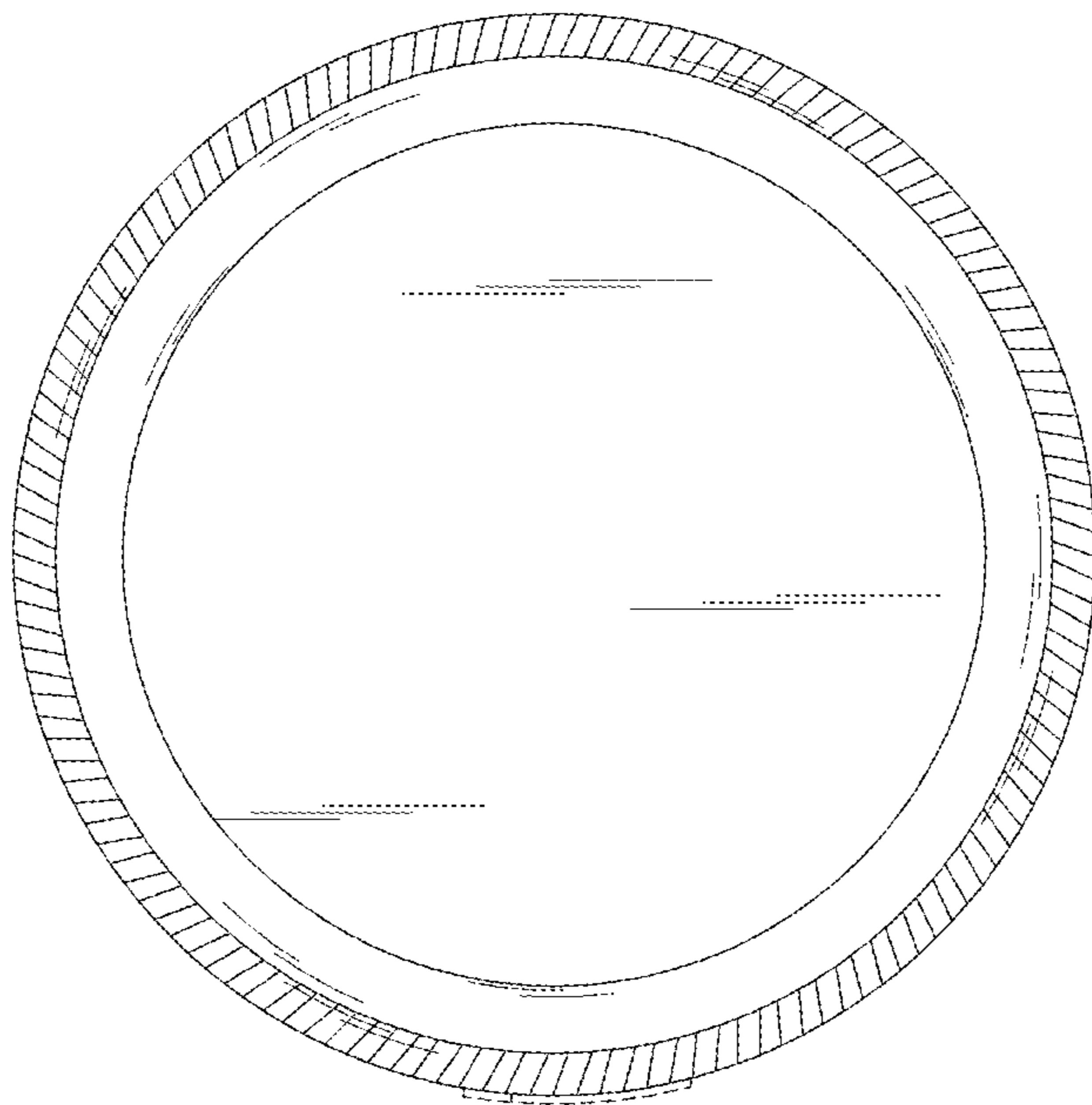


*FIG. 6*

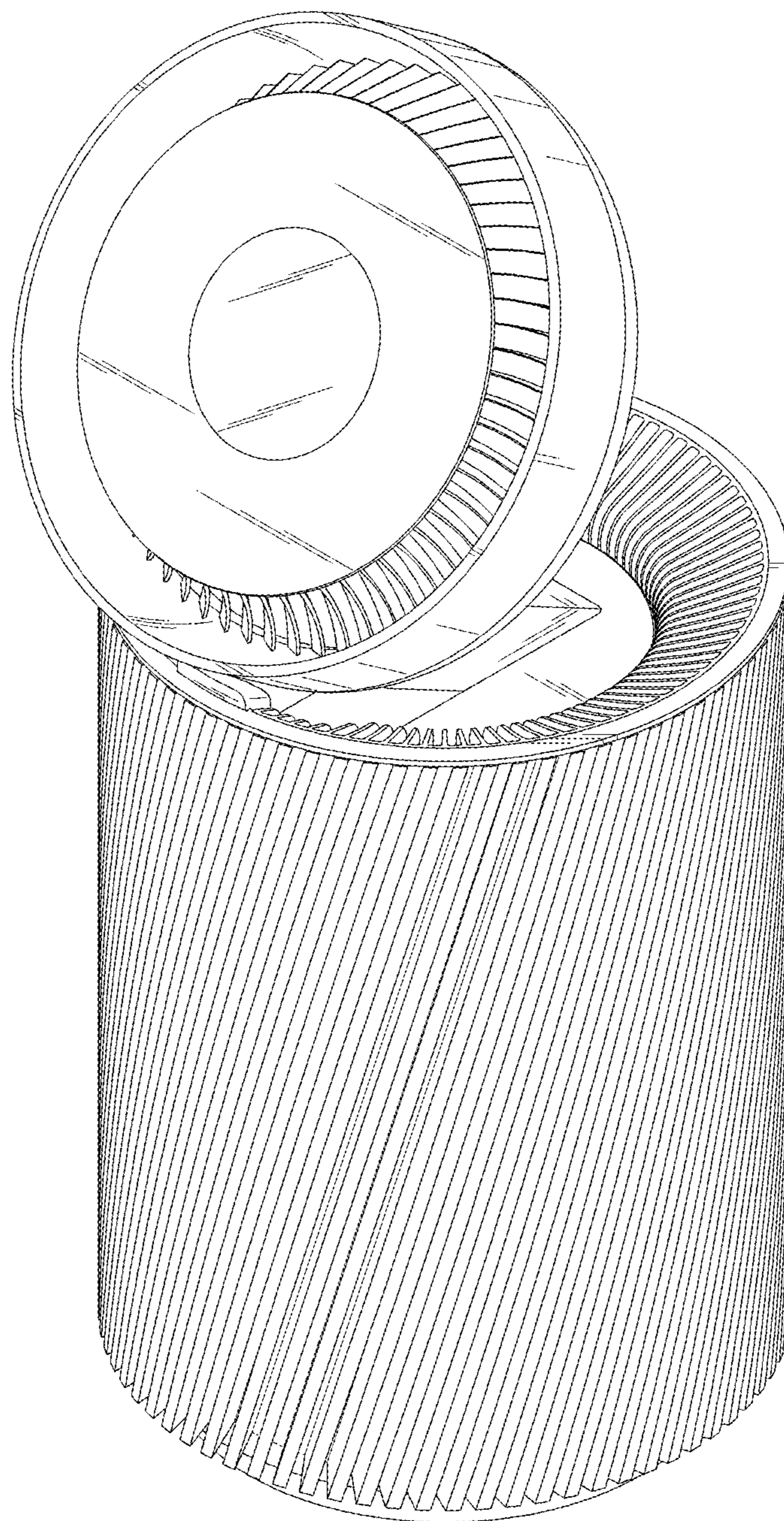




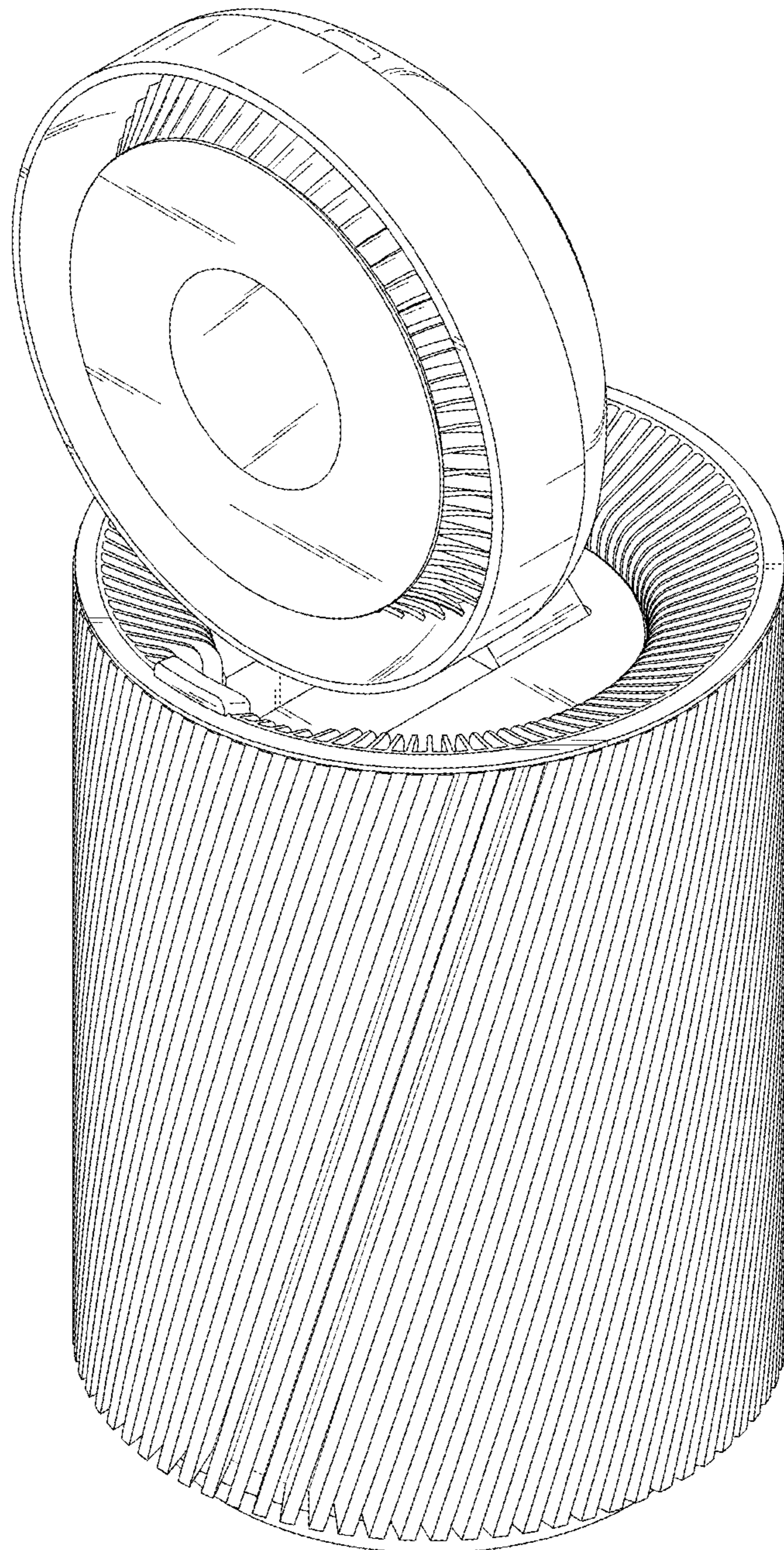
*FIG. 7*



*FIG. 8*



*FIG. 9*



*FIG. 10*

