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(12) **United States Design Patent**
Luo

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(54) **HUMIDIFIER**

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

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(51) **LOC (14) Cl.** **23-04**

(52) **U.S. Cl.**
USPC **D23/356**

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USPC D23/355-366, 352, 369, 332, 333, 335,
D23/336, 342, 351
CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D
47/027; B01D 2221/02; 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

D382,950 S * 8/1997 Kruger D23/335
D410,539 S * 6/1999 Gutmann D23/364
D417,492 S * 12/1999 Willey D23/339

D468,414 S * 1/2003 Fok D23/378
D580,028 S * 11/2008 Catrino D23/335
D586,899 S * 2/2009 Searle D23/364
D593,662 S * 6/2009 Chen D23/332
D788,897 S * 6/2017 Lee D23/366
D854,670 S * 7/2019 Fang D23/352
D854,671 S * 7/2019 Fang D23/352
D854,672 S * 7/2019 Fang D23/352
D858,736 S * 9/2019 Lewis D23/378
D865,144 S * 10/2019 Yoo D23/333
D865,145 S * 10/2019 Yoo D23/333
D912,795 S * 3/2021 Wang D23/364
D915,574 S * 4/2021 Levinson D23/360
D916,262 S * 4/2021 Wang D23/356
D943,073 S * 2/2022 Huang D23/356
D947,343 S * 3/2022 Xia D23/364
D948,009 S * 4/2022 Barlettano D23/378
D948,680 S * 4/2022 Barlettano D23/378

* cited by examiner

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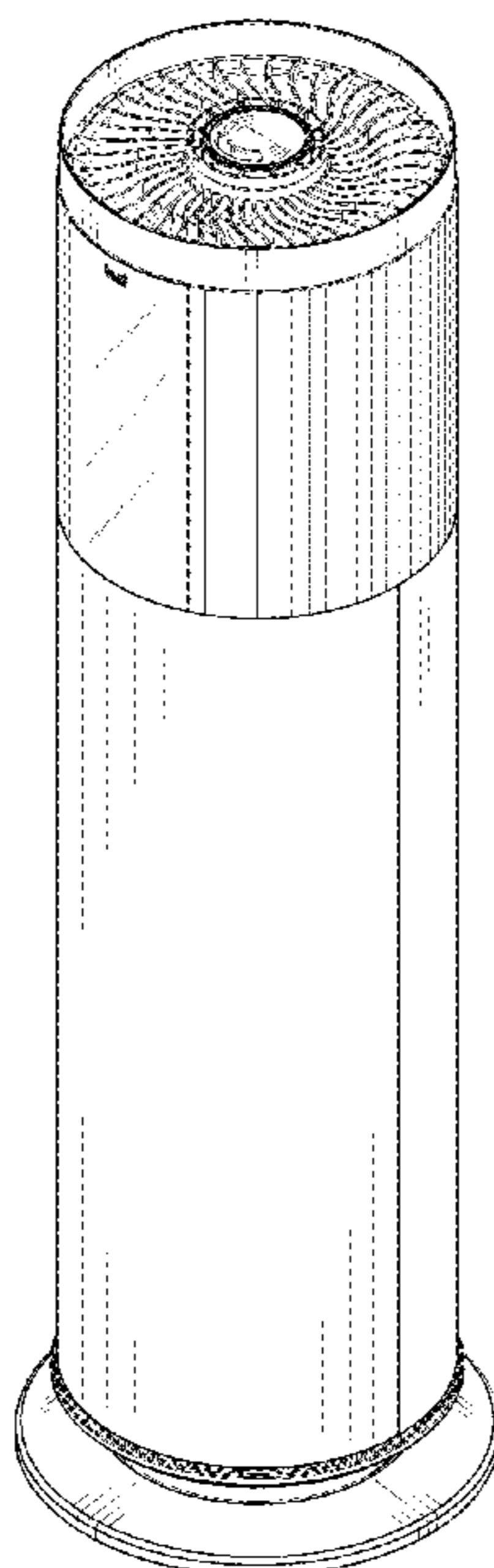
(57) **CLAIM**

The ornamental design for a humidifier, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a humidifier showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings depict portions of the humidifier that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



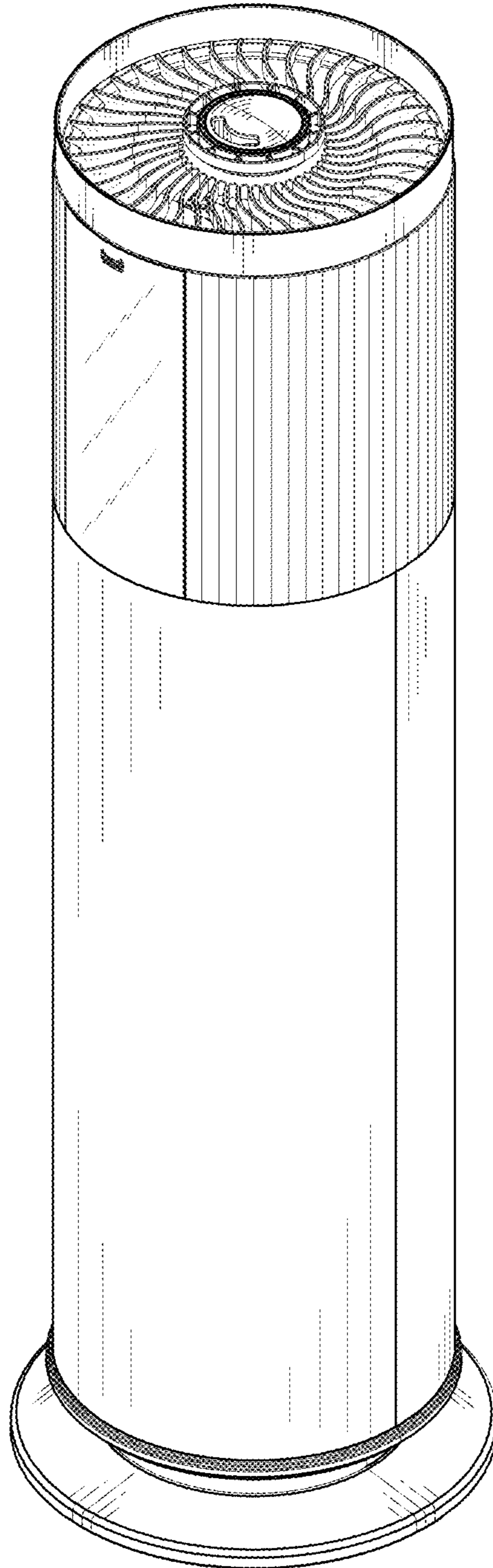


FIG. 1

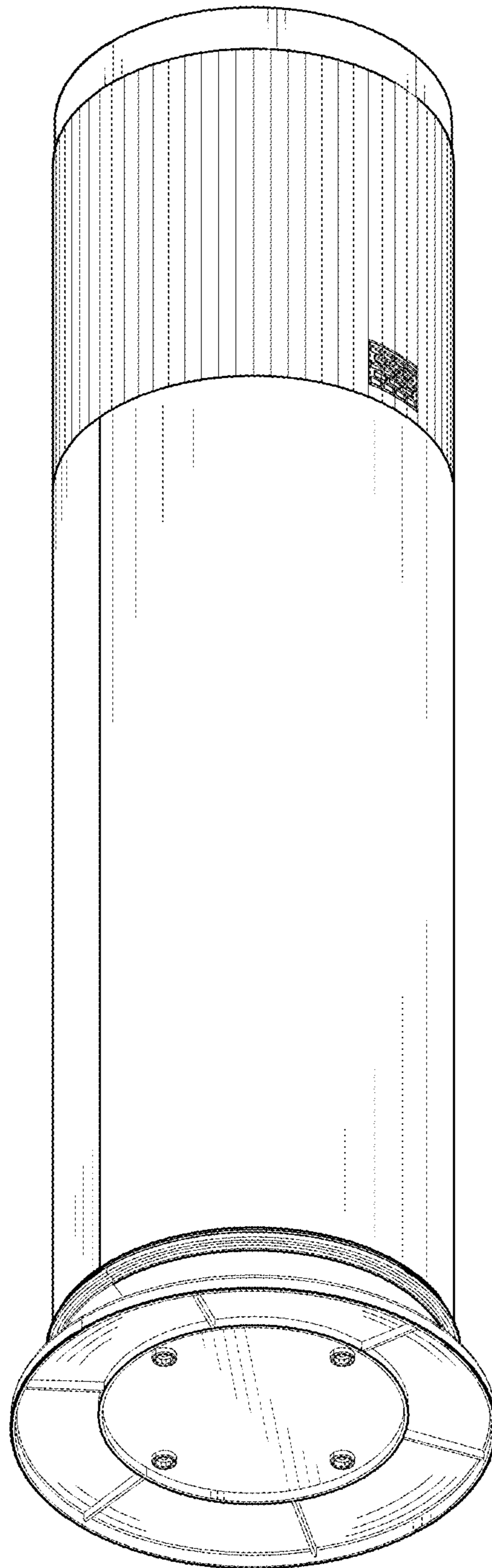


FIG. 2

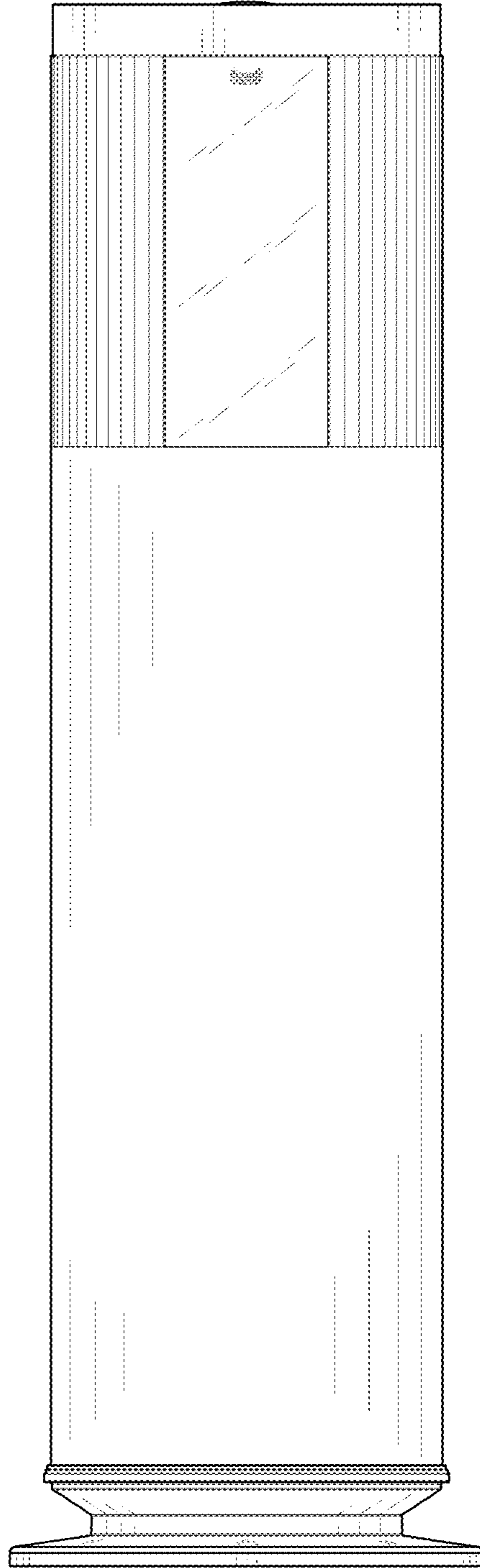


FIG. 3

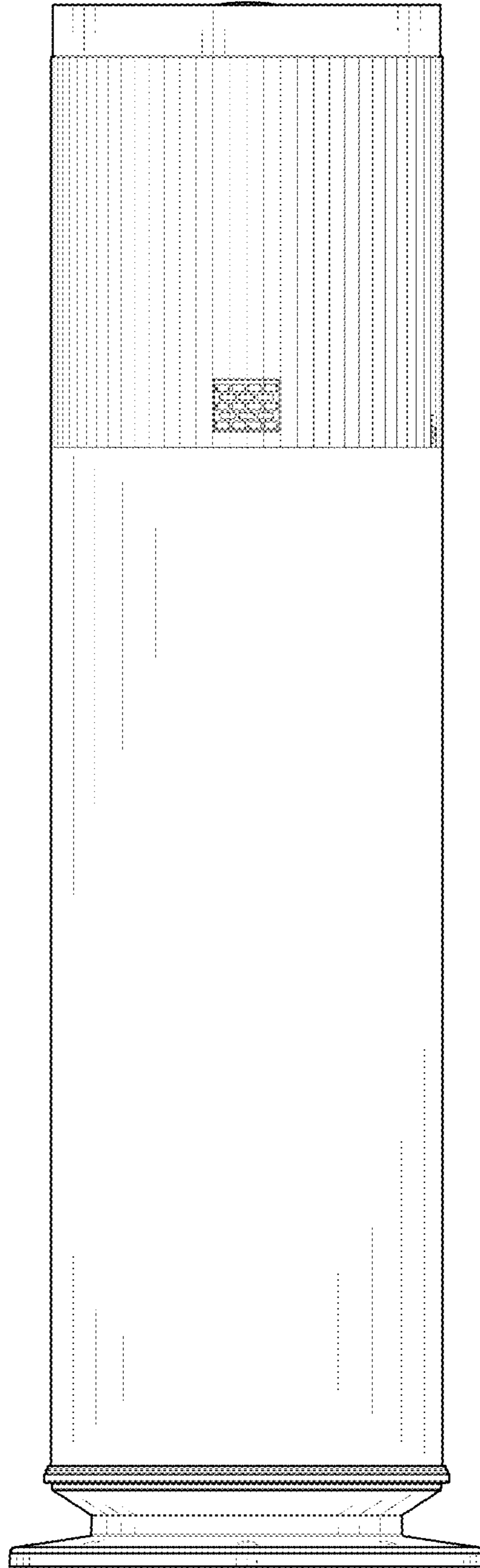


FIG. 4

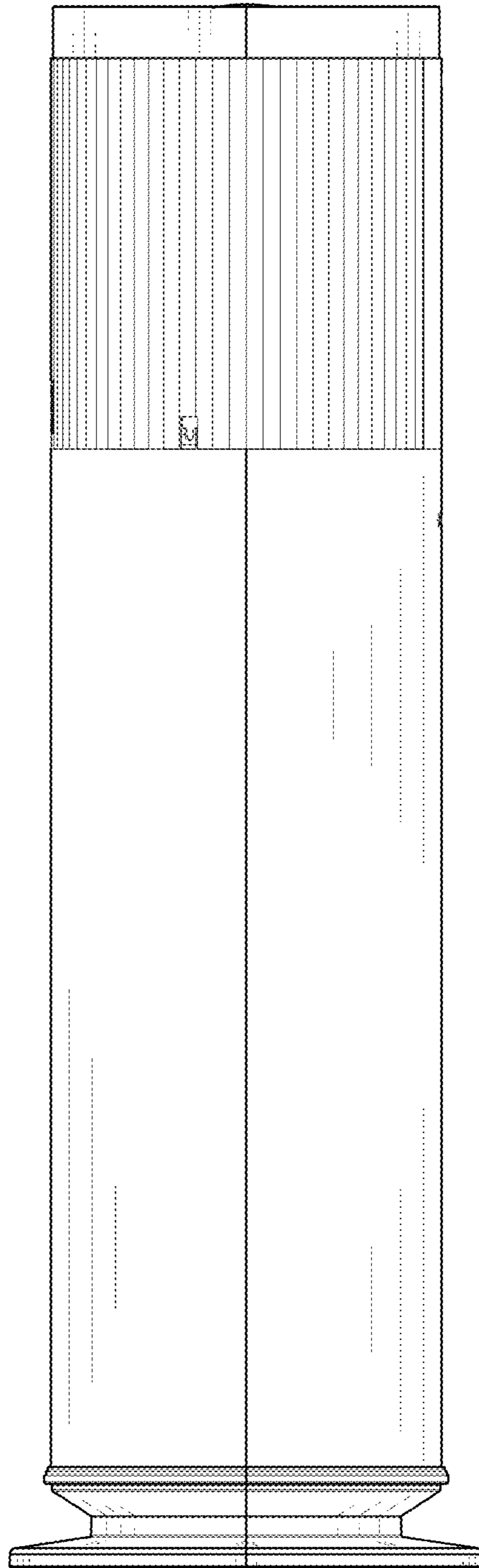


FIG. 5

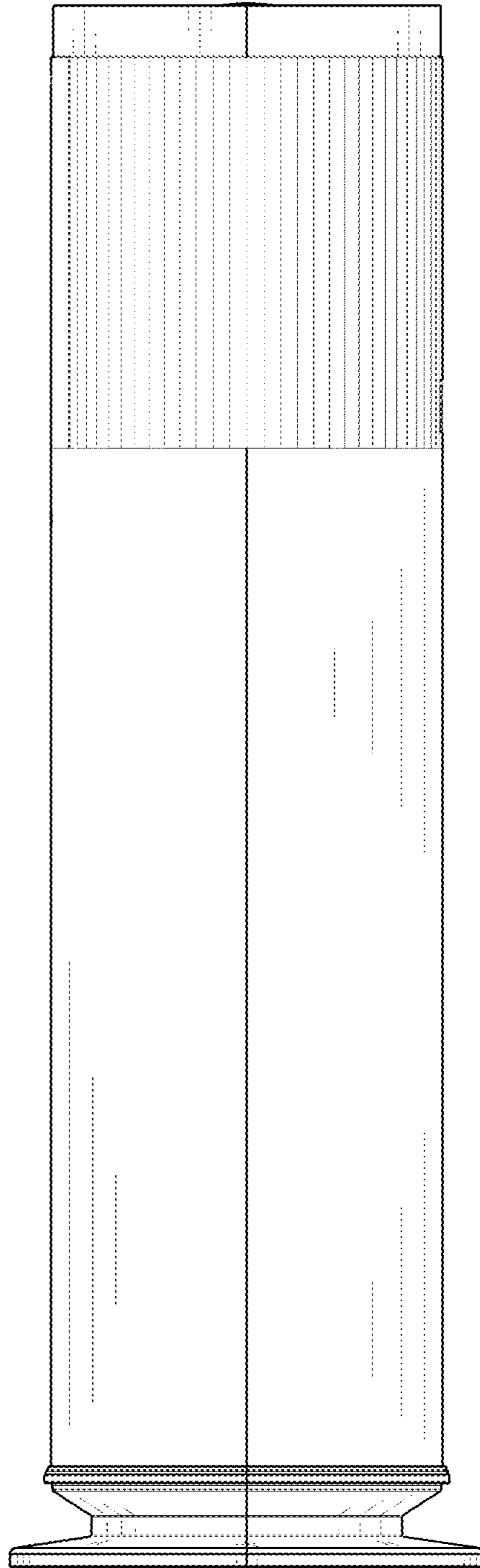


FIG. 6

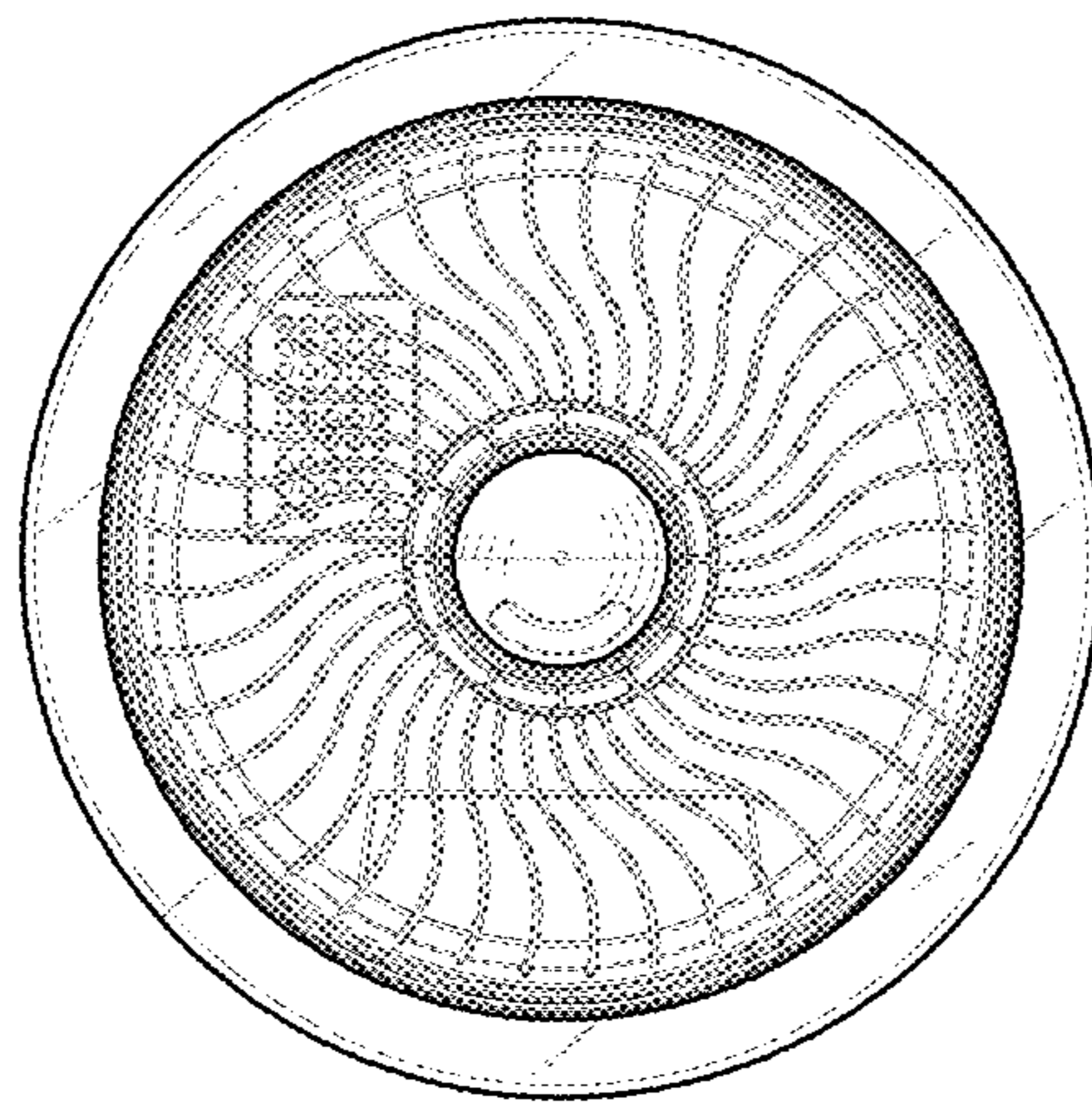


FIG. 7

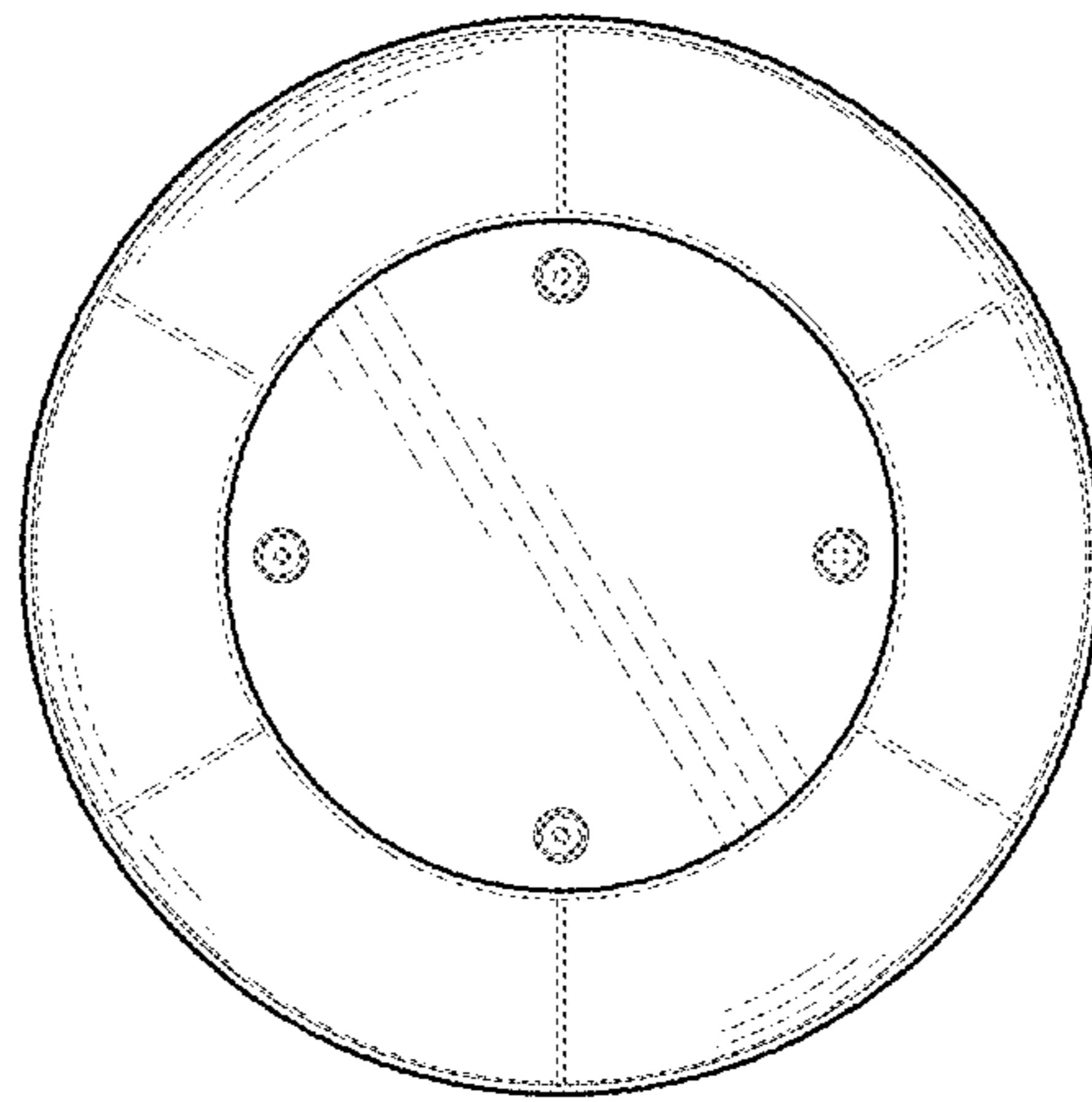


FIG. 8