



US00D941448S

(12)

United States Design Patent

Liu et al.

(10)

Patent No.:

US D941,448 S

(45)

Date of Patent:

** Jan. 18, 2022

(54)

HUMIDIFIER

(71)

Applicant:

SHENZHEN QIANHAI PATUOXUN NETWORK AND TECHNOLOGY CO., LTD, Shenzhen (CN)

(72)

Inventors:

Mingyang Liu, Shenzhen (CN); Jingxiao Jin, Shenzhen (CN); Yunxiao Liu, Shenzhen (CN); Ping Zheng, Shenzhen (CN)

(73)

Assignee:

SHENZHEN QIANHAI PATUOXUN NETWORK AND TECHNOLOGY CO., LTD, Shenzhen (CN)

(**)

Term:

15 Years

(21)

Appl. No.:

29/762,524

(22)

Filed:

Dec. 17, 2020

(51)

LOC (13) Cl.

23-04

(52)

U.S. Cl.

USPC D23/356

(58)

Field of Classification Search

USPC D23/355-366, 352, 369, 332, 333, 335, D23/336, 342, 351; 422/120, 122; 55/356, 473, 504; 96/97; 261/DIG. 17, 261/DIG. 65, DIG. 88, DIG. 31
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

D847,323 S * 4/2019 Gan D23/356
D850,596 S * 6/2019 Wu D23/366

D886,975 S * 6/2020 Yang D23/364
D919,064 S * 5/2021 Wang D23/356
D923,163 S * 6/2021 Jan D23/343
D925,716 S * 7/2021 Qin D23/356
D929,555 S * 8/2021 Lee D23/364
D929,558 S * 8/2021 Leyden D23/366
D932,606 S * 10/2021 Wang D23/356
D933,800 S * 10/2021 Leyden D23/366
D935,590 S * 11/2021 Xu D23/364
D935,591 S * 11/2021 Xu D23/364
D935,593 S * 11/2021 Andres D23/366

* cited by examiner

Primary Examiner — David G Muller

(57)

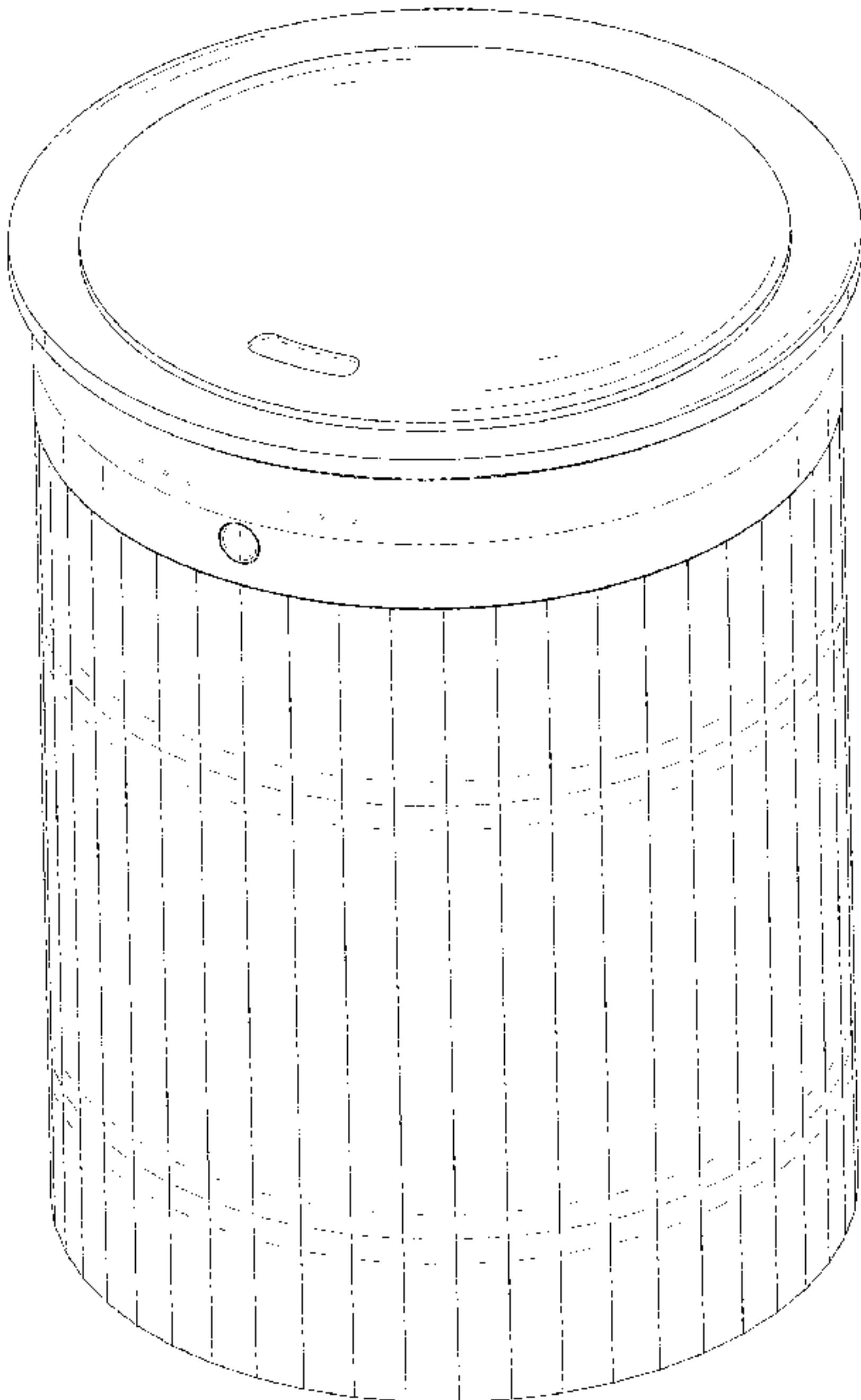
CLAIM

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



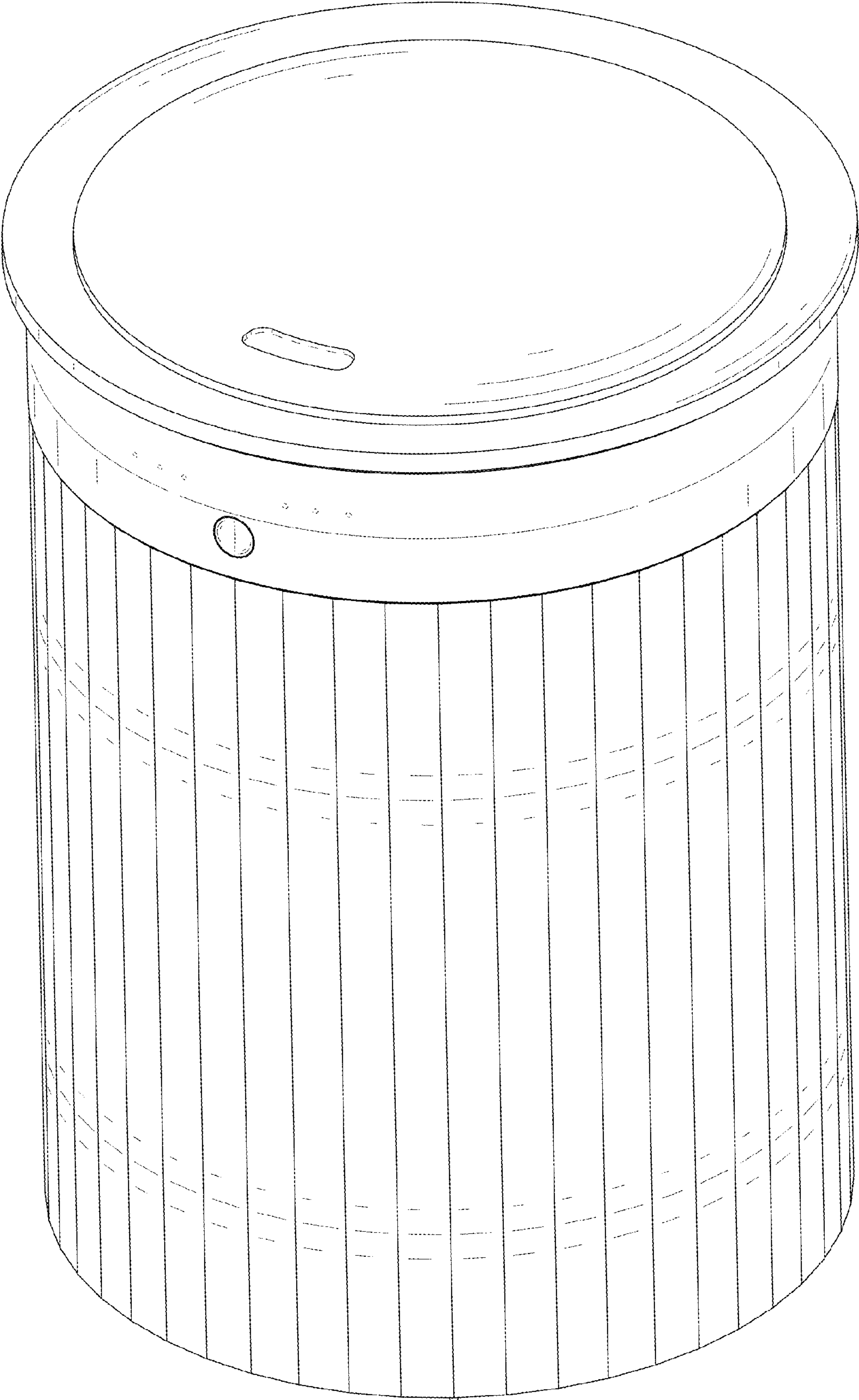


FIG. 1

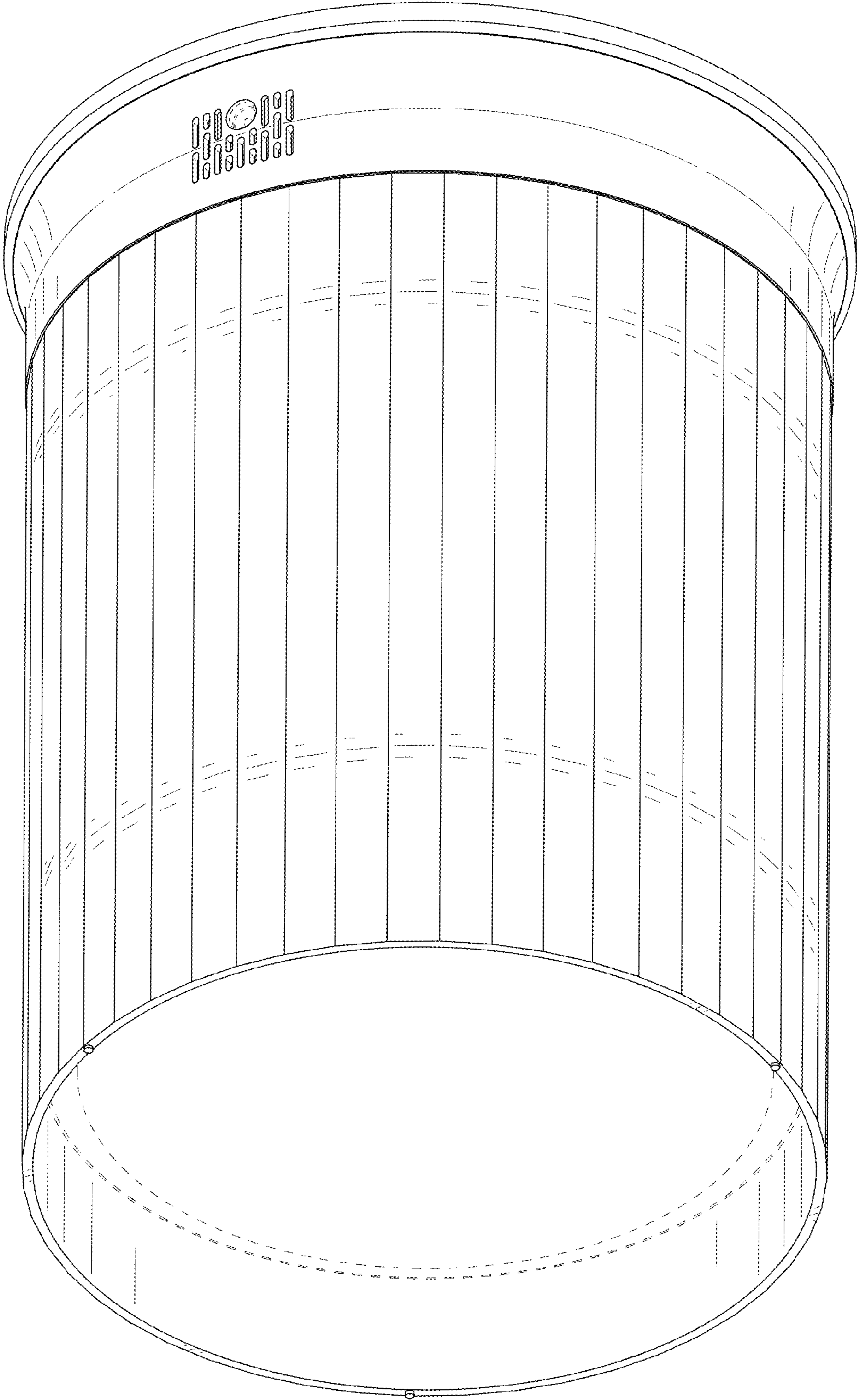


FIG. 2

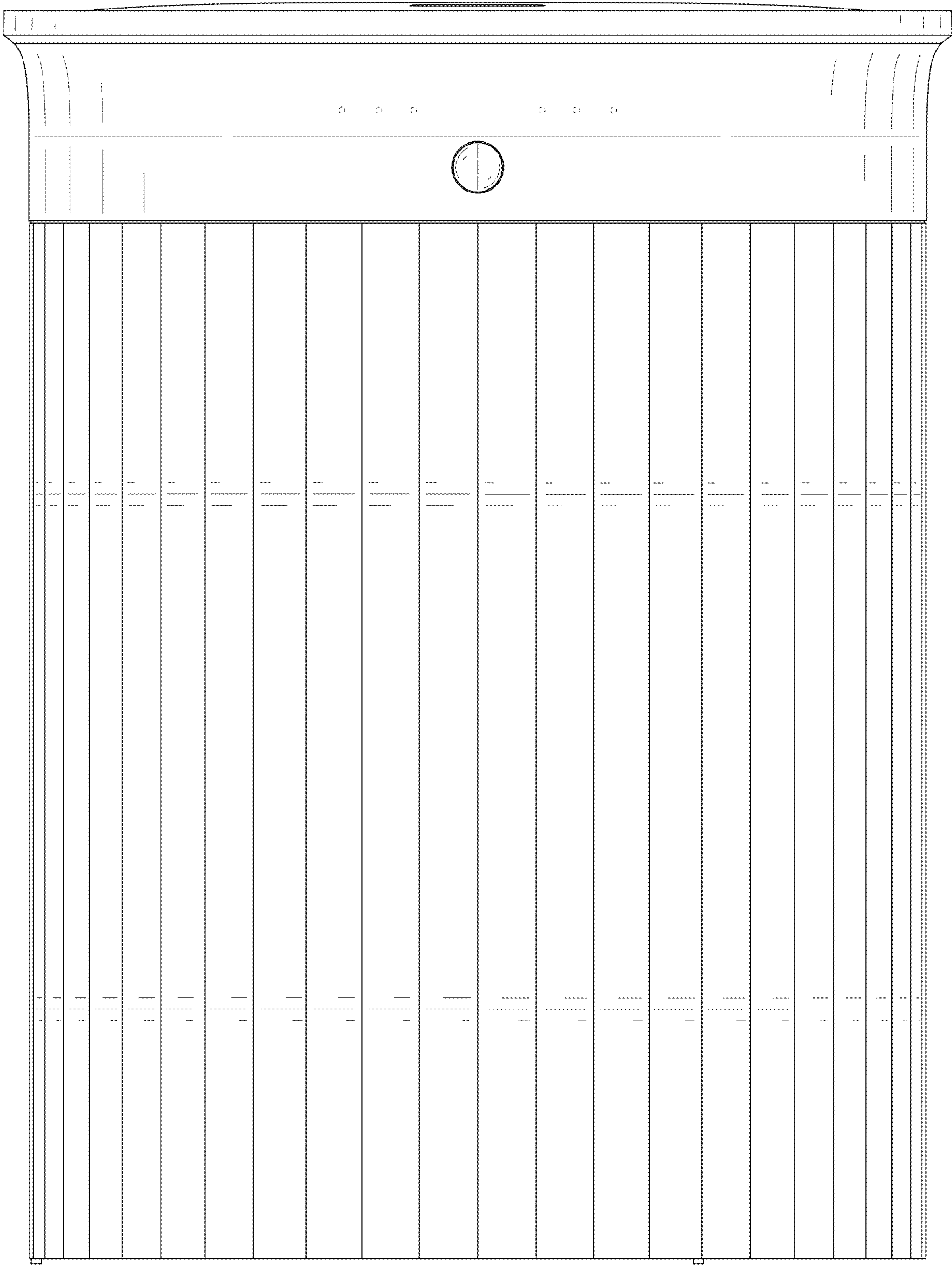


FIG. 3

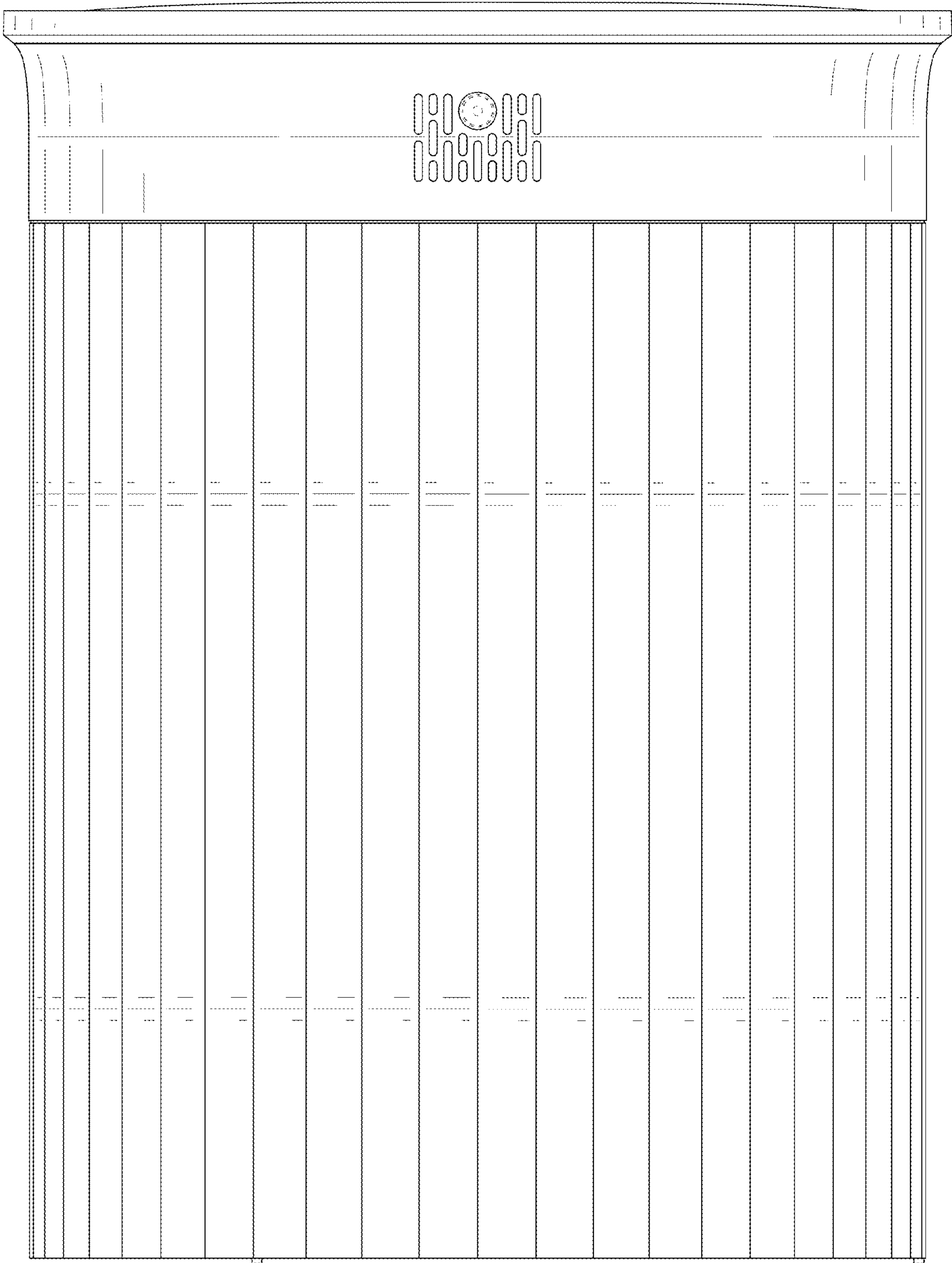


FIG. 4

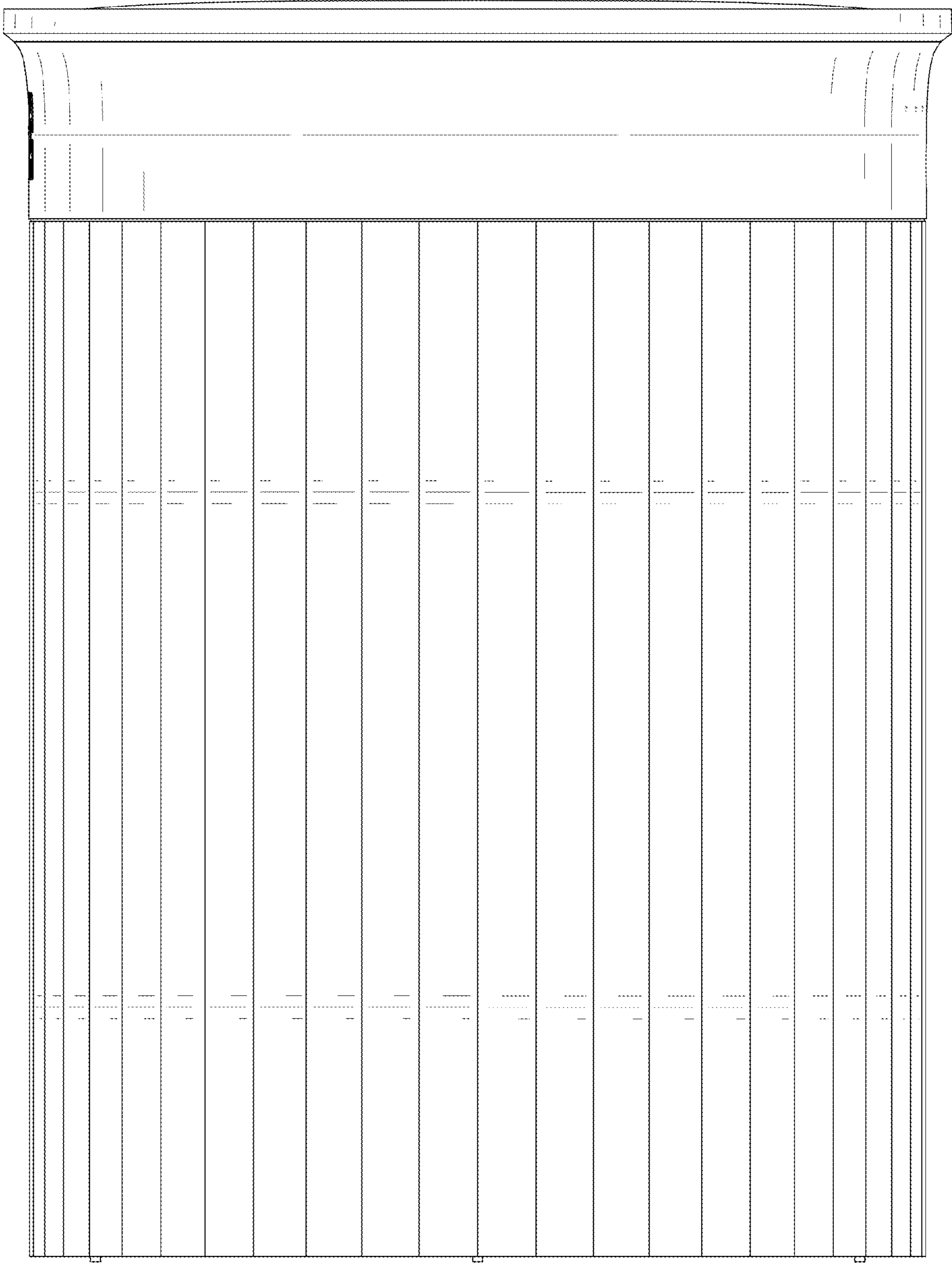


FIG. 5

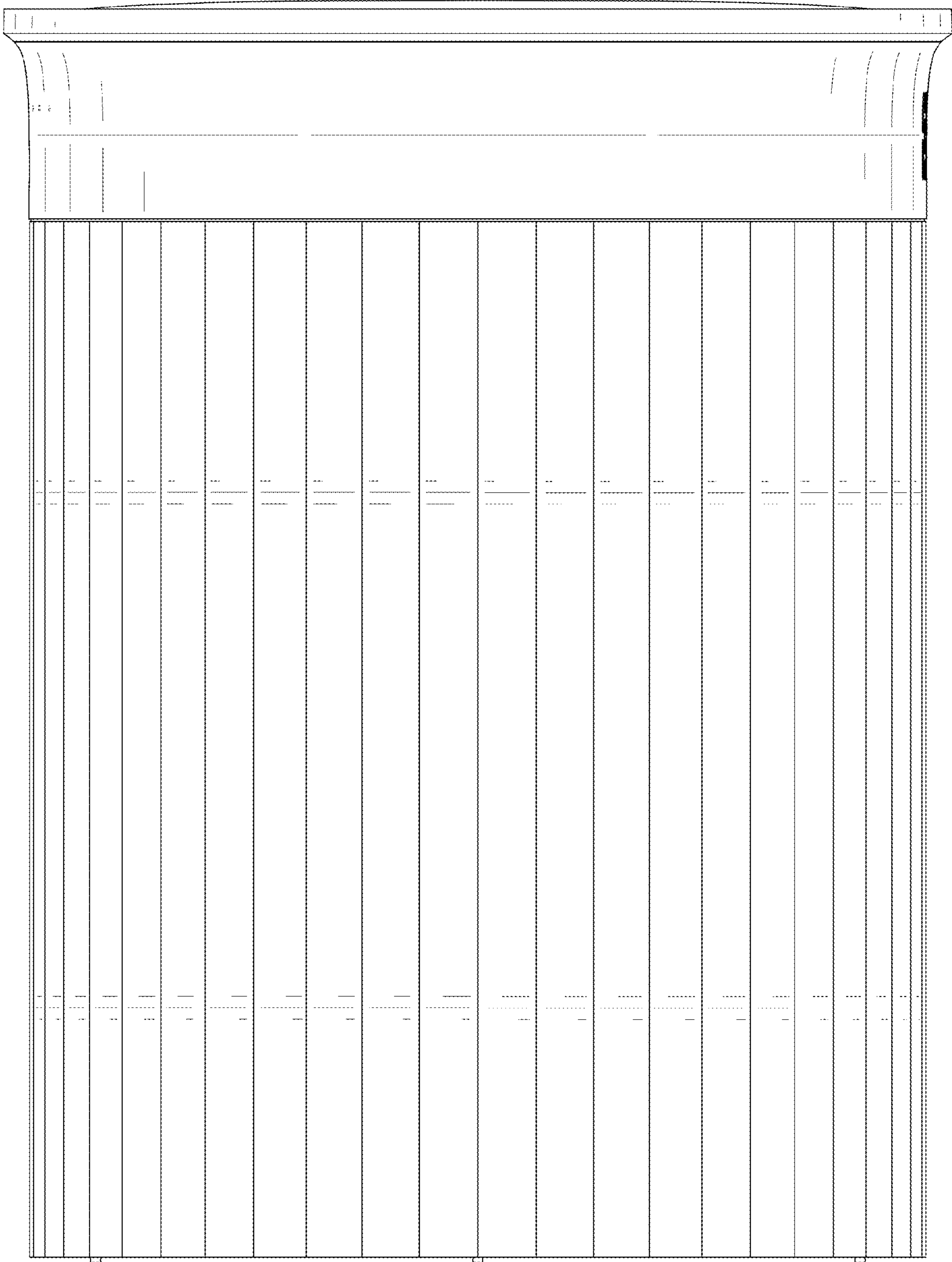


FIG. 6

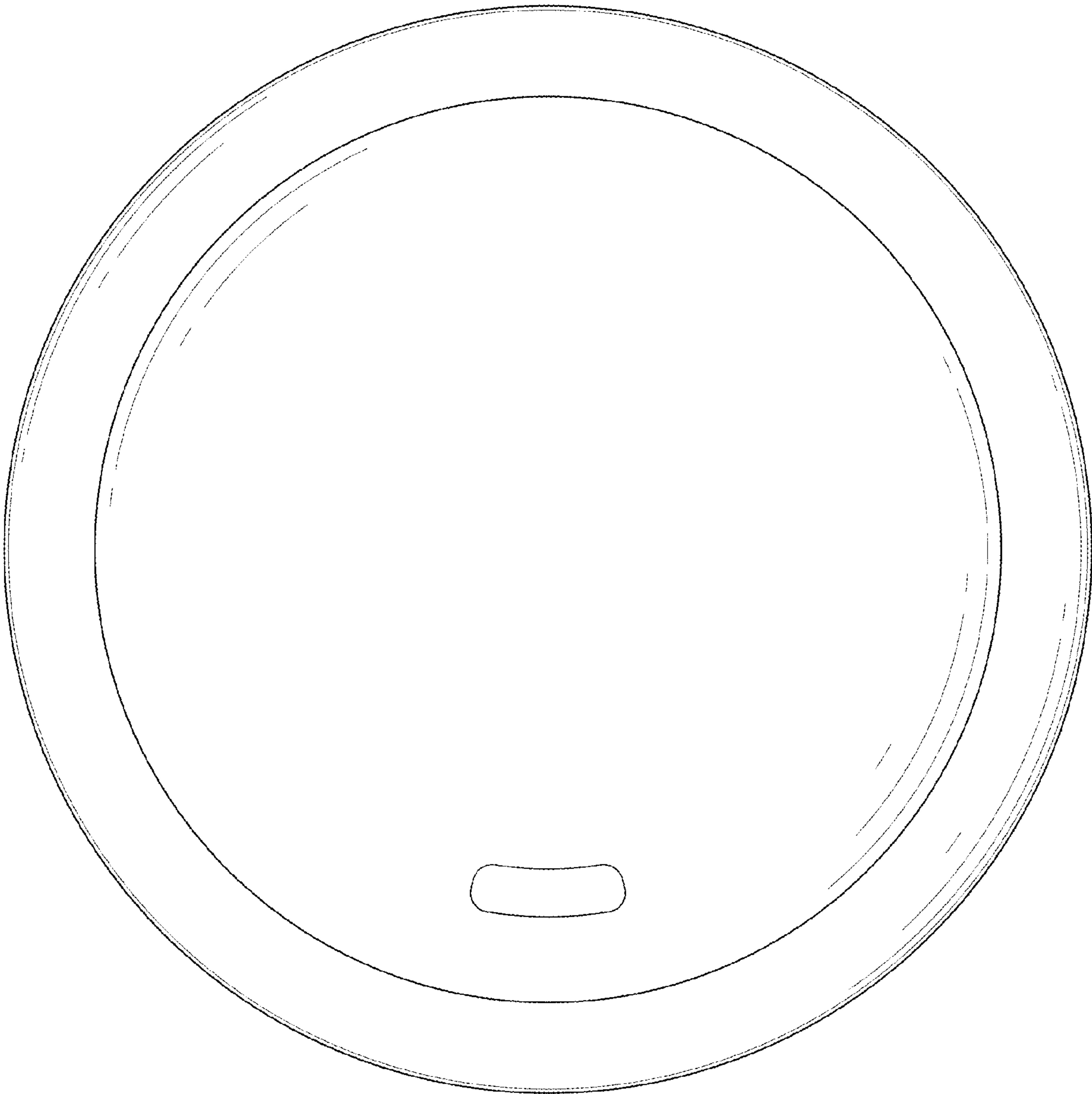


FIG. 7

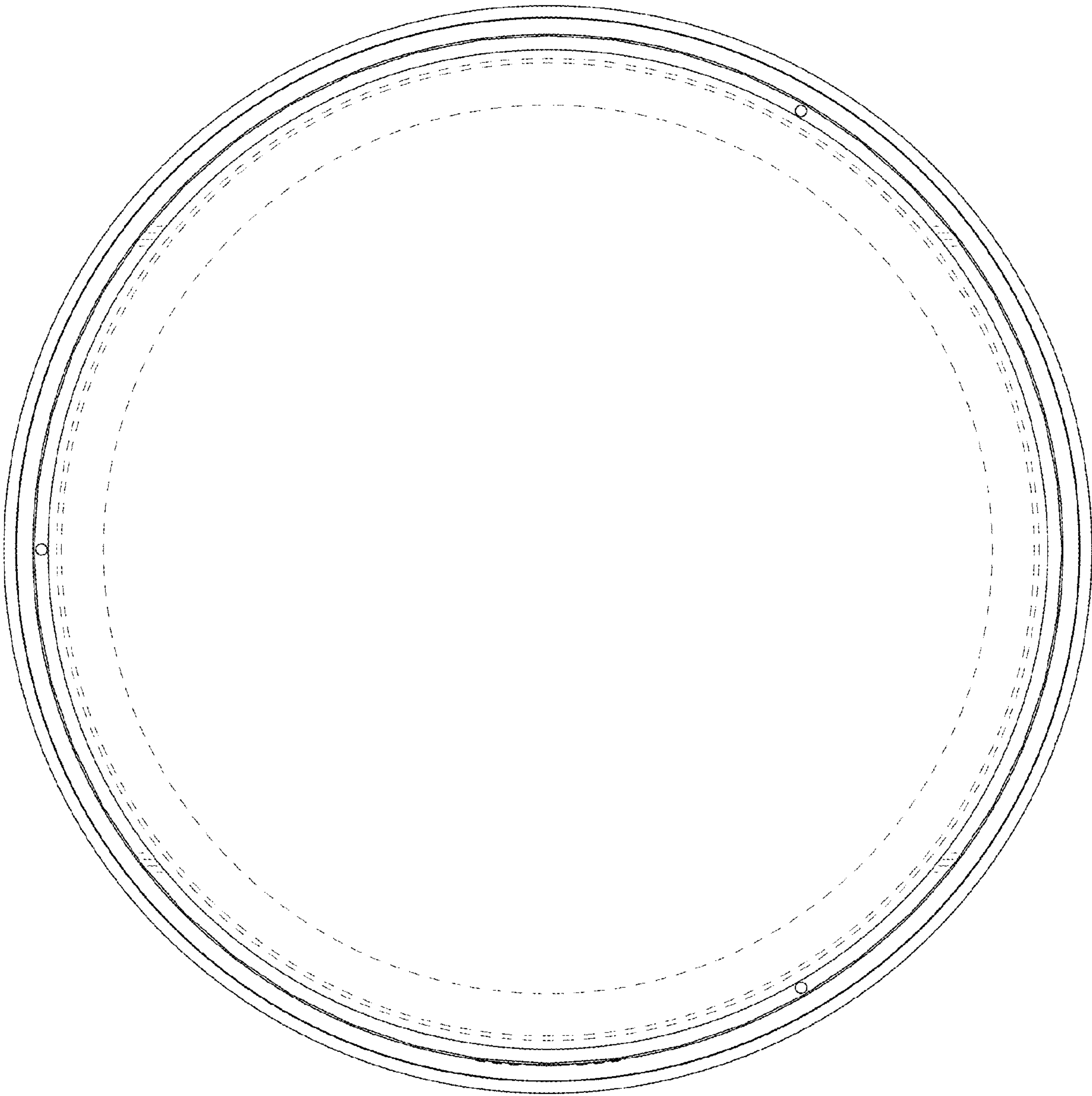


FIG. 8