

US00D927667S

(12)

United States Design Patent

Jeon et al.

(10) Patent No.:

US D927,667 S

(45) Date of Patent:

** Aug. 10, 2021

(54)

AIR PURIFIER

1,792,235 A * 2/1931 Maynard F16B 15/08
206/340

(71)

Applicant: WOONGJIN COWAY CO., LTD.,
Choongcheongnam-do (KR)

D177,795 S * 5/1956 Cole D6/686
3,875,711 A * 4/1975 Palmer E04B 2/7431
52/239

(72)

Inventors: Jung Jae Jeon, Seoul (KR); Su Min
Shin, Seoul (KR)

4,375,653 A * 3/1983 Staley F16M 11/18
348/341

(73)

Assignee: Woongjin Coway Co., Ltd.,
Choongcheongnam-do (KR)

D295,422 S * 4/1988 Erickson D19/32
D309,417 S * 7/1990 Yamada D8/345
D322,896 S * 1/1992 Sawtelle D6/330
D363,588 S * 10/1995 Bancroft D34/12
D366,772 S * 2/1996 Pasin D6/349
5,581,195 A * 12/1996 Lee G01R 1/0483
324/750.05

(**)

Term: 15 Years

(21)

Appl. No.: 29/699,559

(22)

Filed: Jul. 26, 2019

(23)

5,803,655 A * 9/1998 Furuya E05B 13/00
24/616

(24)

D420,354 S * 2/2000 Morales D14/191
(Continued)

(30)

Foreign Application Priority Data

Jan. 30, 2019 (KR) 30-2019-0004571

(51)

LOC (13) Cl. 23-04

(52)

U.S. Cl.
USPC D23/364

(58)

Field of Classification Search

USPC D23/355–366, 352, 369, 332, 333, 335,
D23/336, 342, 351; D6/692.4, 688.15,
D6/695.4, 709.2, 718.12, 718.25;
D8/345, 390; D34/12, 23; 422/120, 122;
55/356, 473, 504; 96/97; D14/188, 170,
D14/171, 172; 261/DIG. 17, DIG. 65,
261/DIG. 88, DIG. 31; D18/34.6
CPC ... A47B 13/003; A47B 2013/006; A61L 9/16;
A61L 9/22; B01D 47/00; B01D 47/027;
B01D 2221/02; B01D 2259/4508; B03C
3/155; B03C 3/368
See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

D25,758 S * 7/1896 Bergner D6/313
D31,854 S * 11/1899 Hudgin D6/310

Primary Examiner — David G Muller

(74) Attorney, Agent, or Firm — Millen, White, Zelano &
Branigan, P.C.; William Nixon

(57)

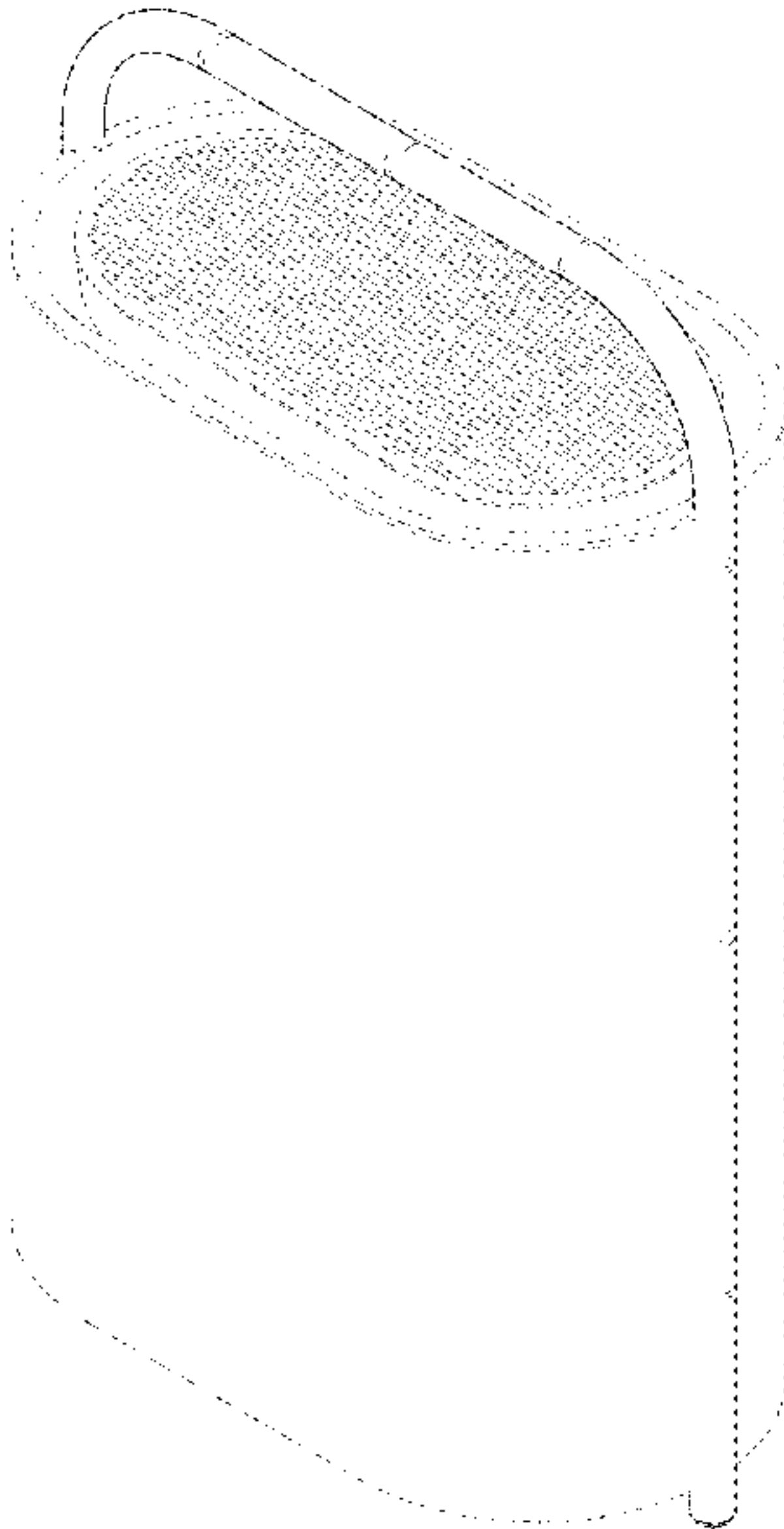
CLAIM

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

DESCRIPTION

FIG. 1 illustrates a front perspective view of the air purifier
showing our new design;
FIG. 2 illustrates a front elevational view thereof;
FIG. 3 illustrates a rear elevational view thereof;
FIG. 4 illustrates a left side elevational view thereof;
FIG. 5 illustrates a right side elevational view thereof;
FIG. 6 illustrates a top plan view thereof;
FIG. 7 illustrates a bottom plan view thereof; and,
FIG. 8 illustrates another perspective view of the air purifier.
The broken lines shown throughout the views depict
unclaimed portions of the design and form no part of the
claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,132,230 A * 10/2000 Shinozaki H01R 13/5216
439/281
6,231,766 B1 * 5/2001 Hausin B01F 7/06
210/616
D449,415 S * 10/2001 Durieux D34/12
6,381,148 B1 * 4/2002 Daskalakis H05K 7/1409
211/41.17
D460,274 S * 7/2002 Bennie D6/313
D491,001 S * 6/2004 Adams D6/314
D669,242 S * 10/2012 Baldemor D34/12
D699,455 S * 2/2014 Bosman D6/349
D705,556 S * 5/2014 Udagawa D6/349
D712,689 S * 9/2014 Montagner D6/675
D764,137 S * 8/2016 Del Rosario D34/12
D765,996 S * 9/2016 Dolar A61B 5/0079
D6/312
D792,138 S * 7/2017 Yoo D6/709.2
D834,842 S * 12/2018 Baiera D6/349
D843,150 S * 3/2019 Doolan D6/709.2
D855,921 S * 8/2019 Yu B62B 3/108
D34/12
D875,450 S * 2/2020 Jingbo D6/710
D876,864 S * 3/2020 He D6/692.4
10,736,282 B1 * 8/2020 Collom A47G 23/0306
D898,493 S * 10/2020 Lentz D6/709.2

* cited by examiner

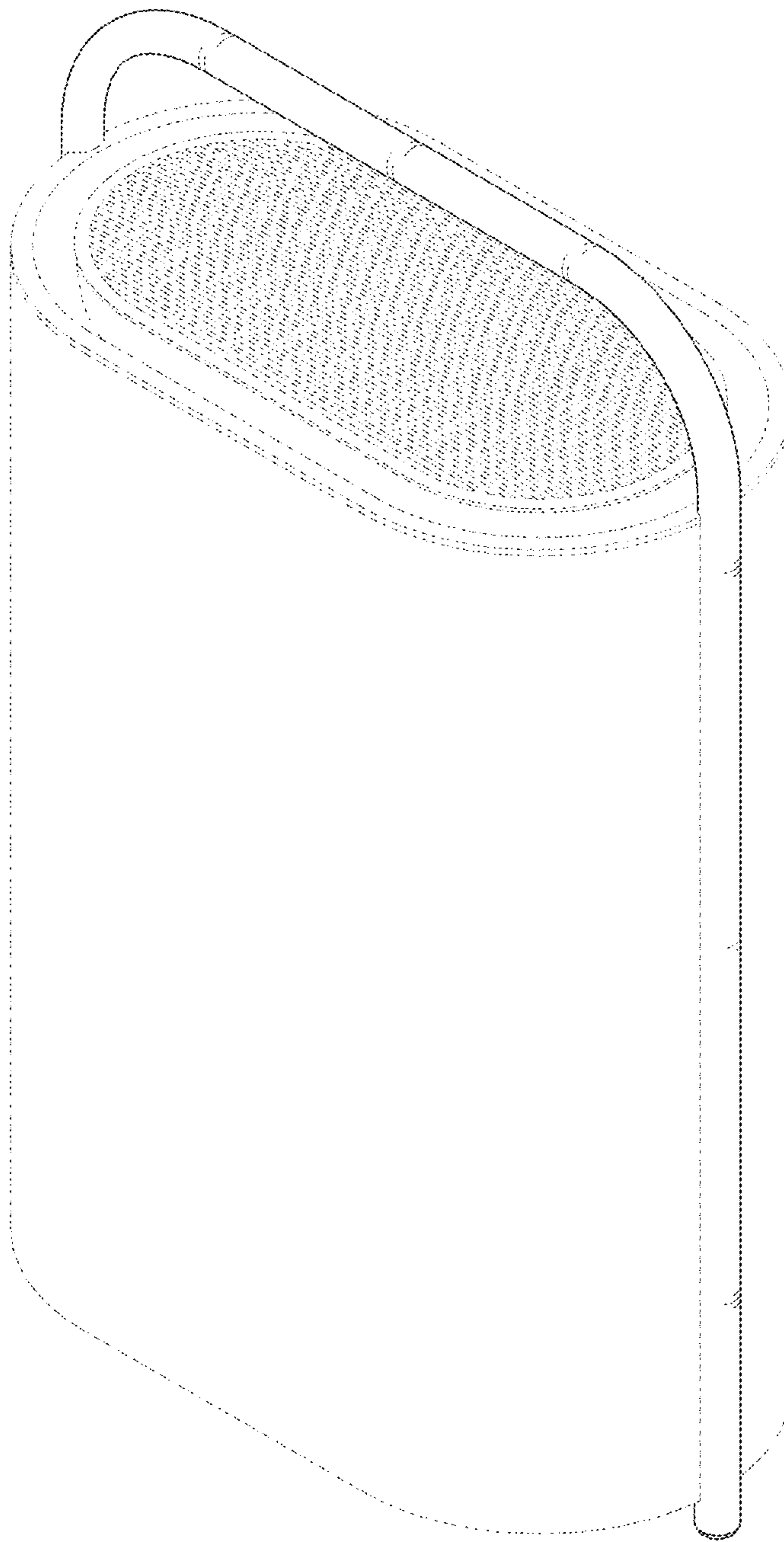


FIG. 1

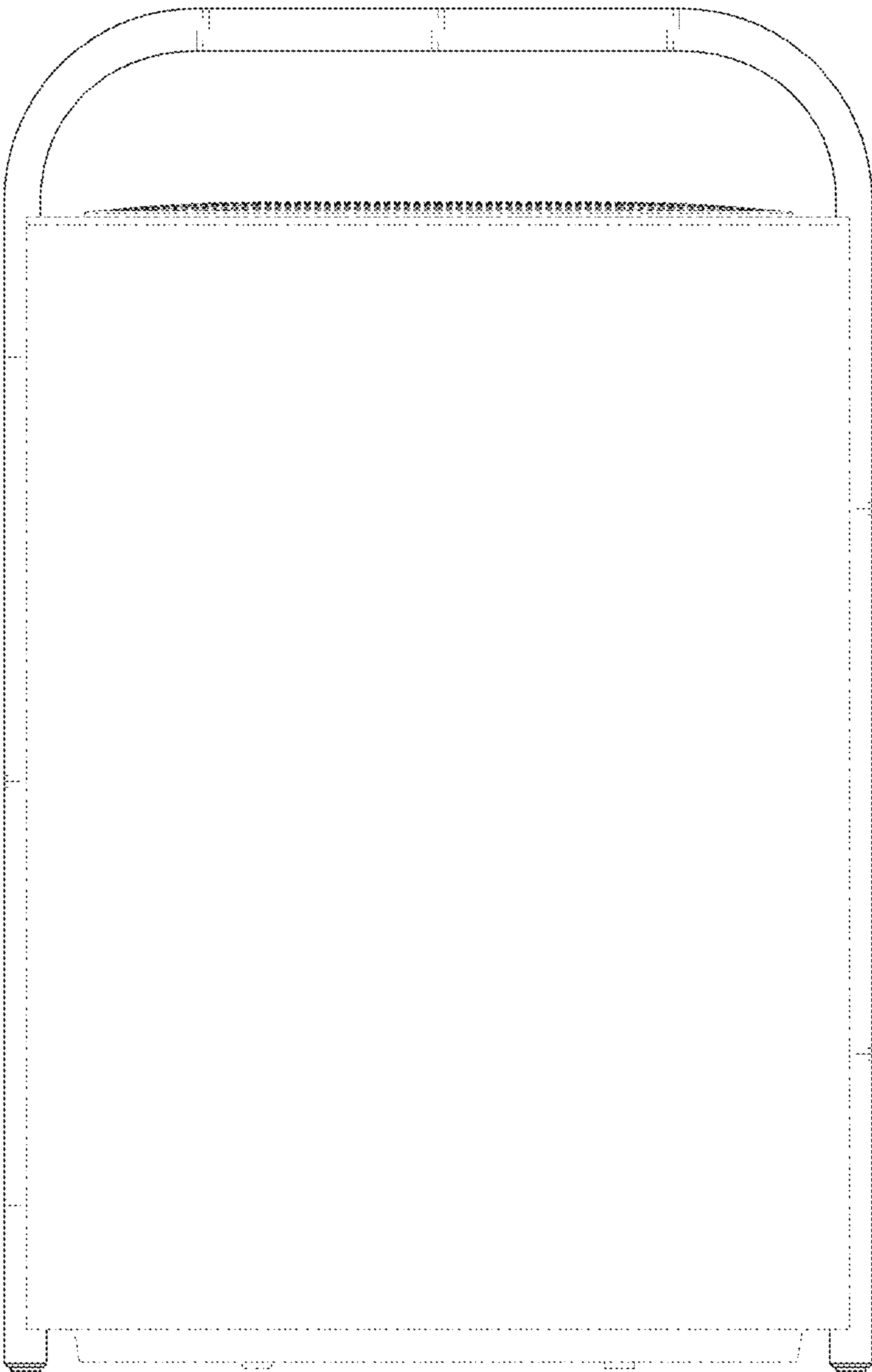


FIG. 2

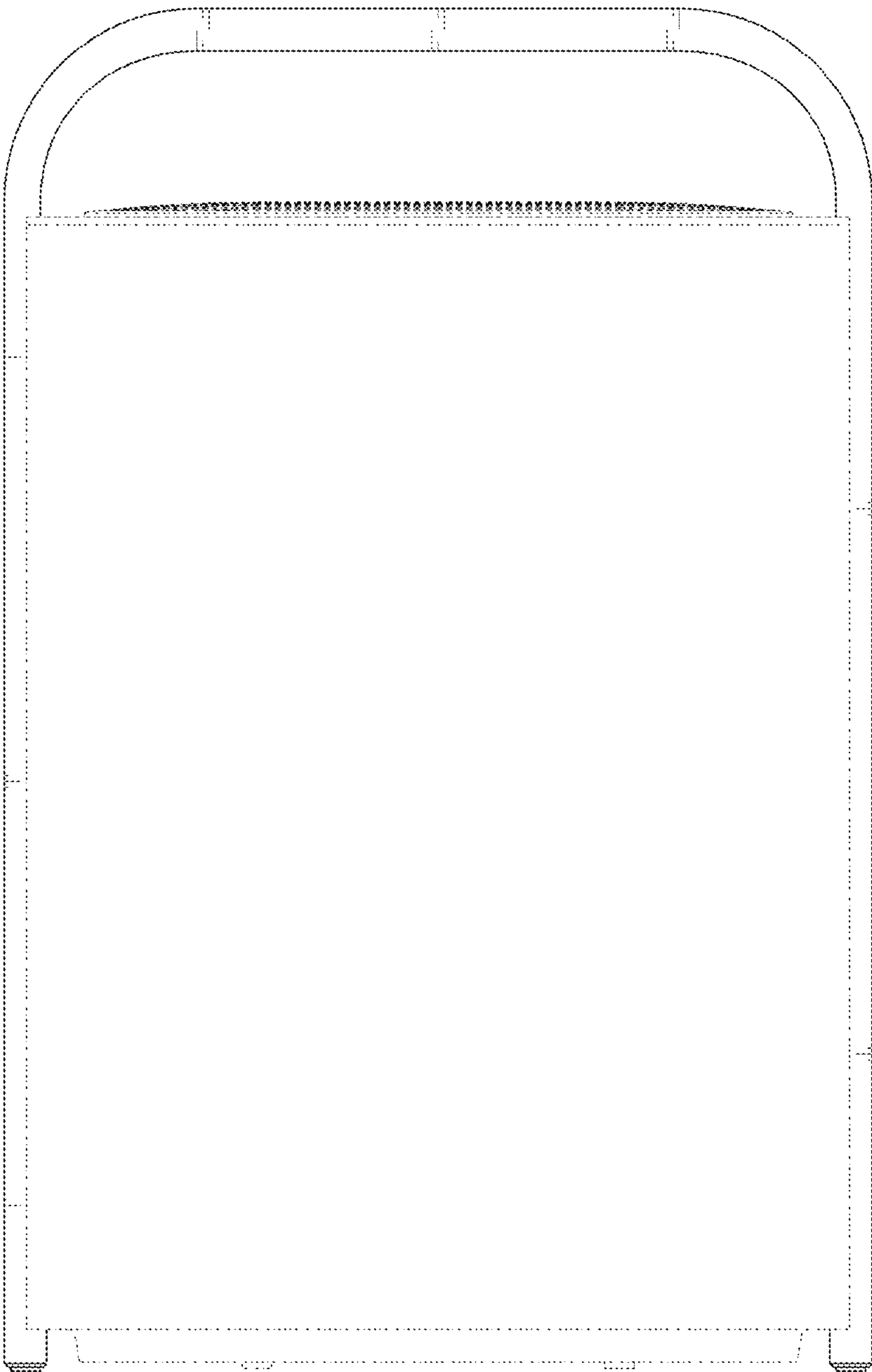


FIG. 3

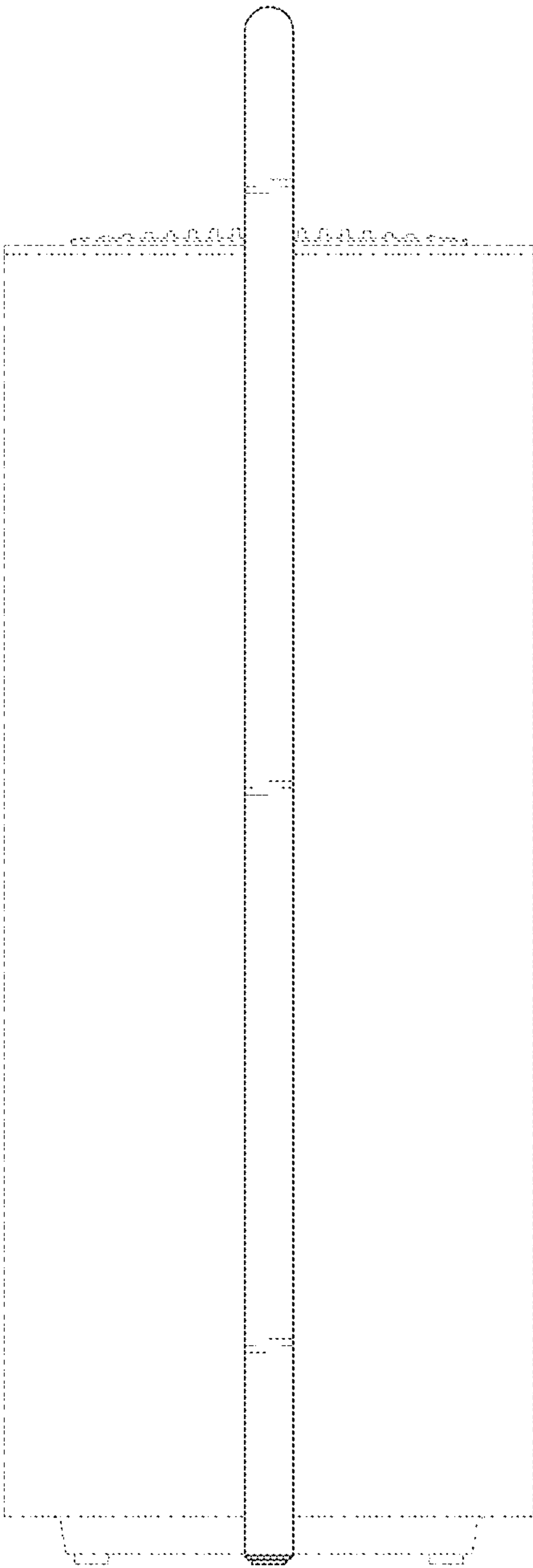


FIG. 4

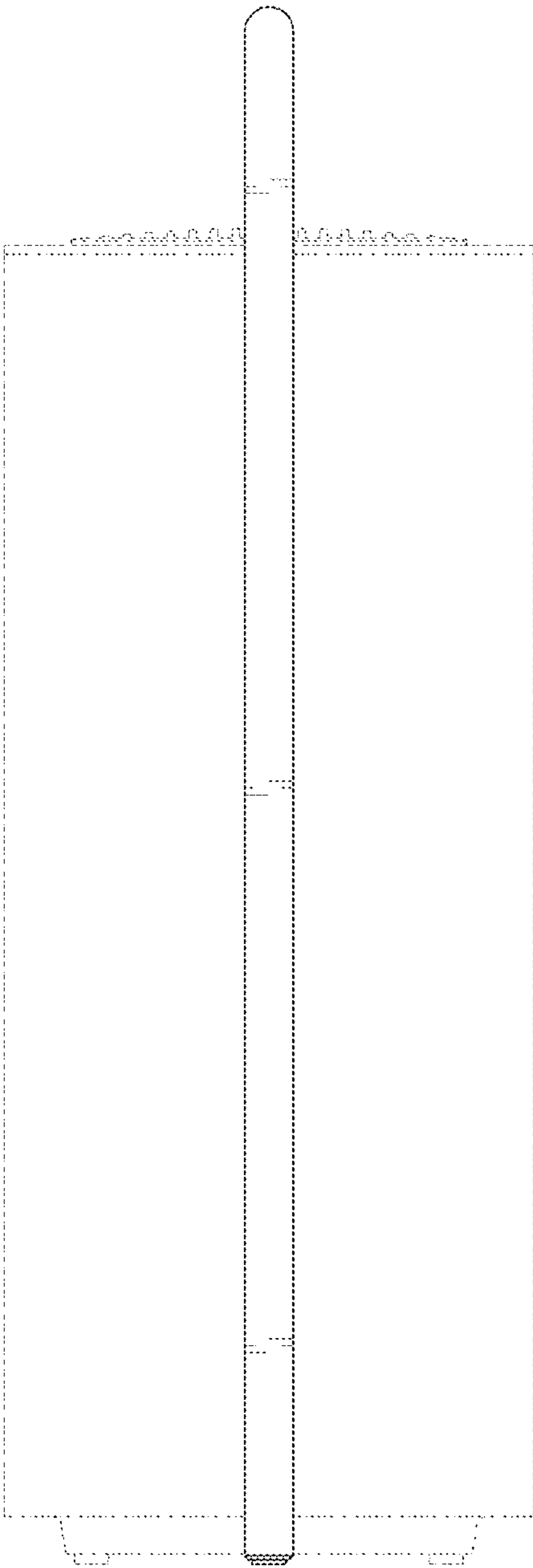


FIG. 5

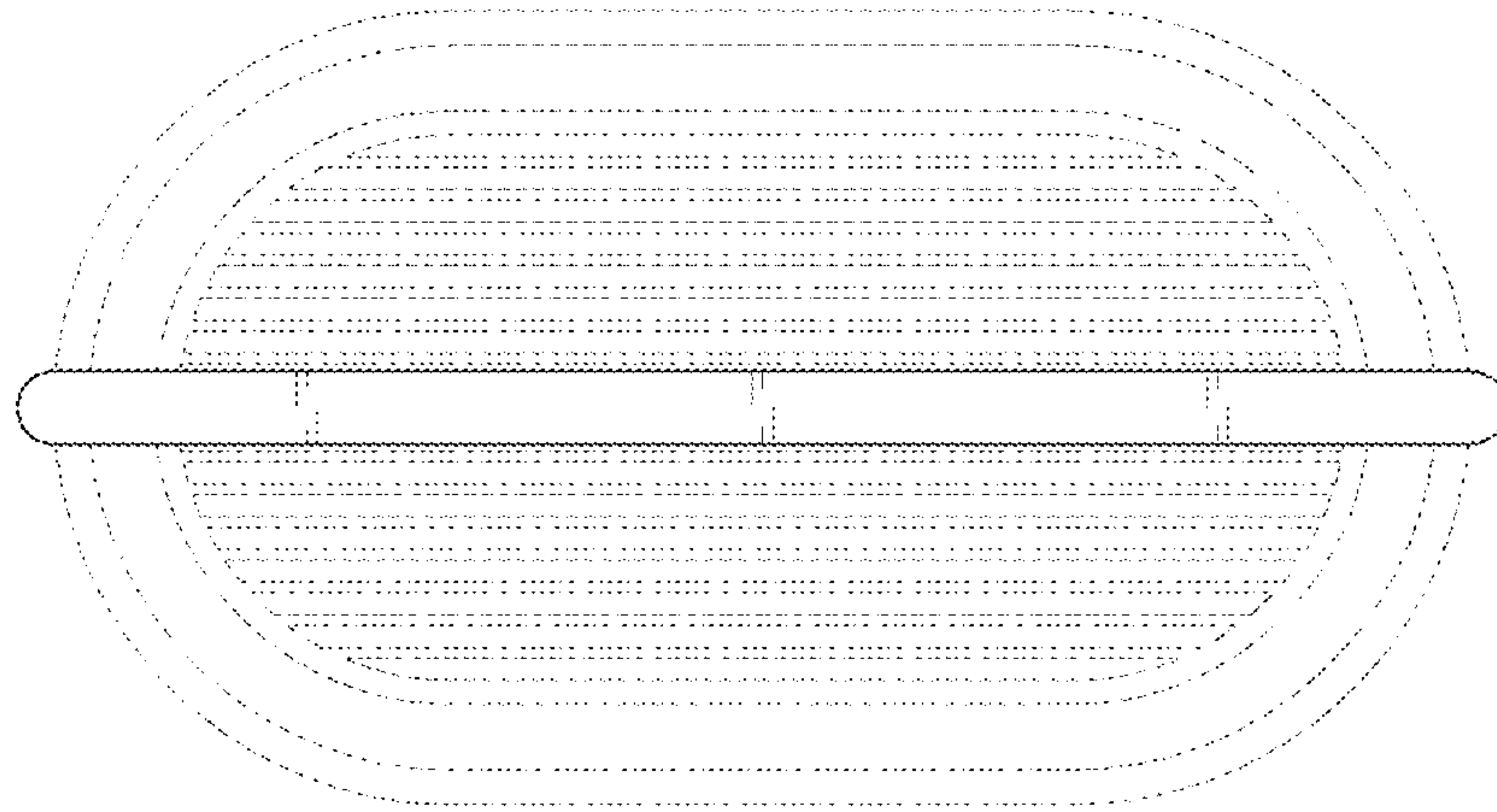


FIG. 6

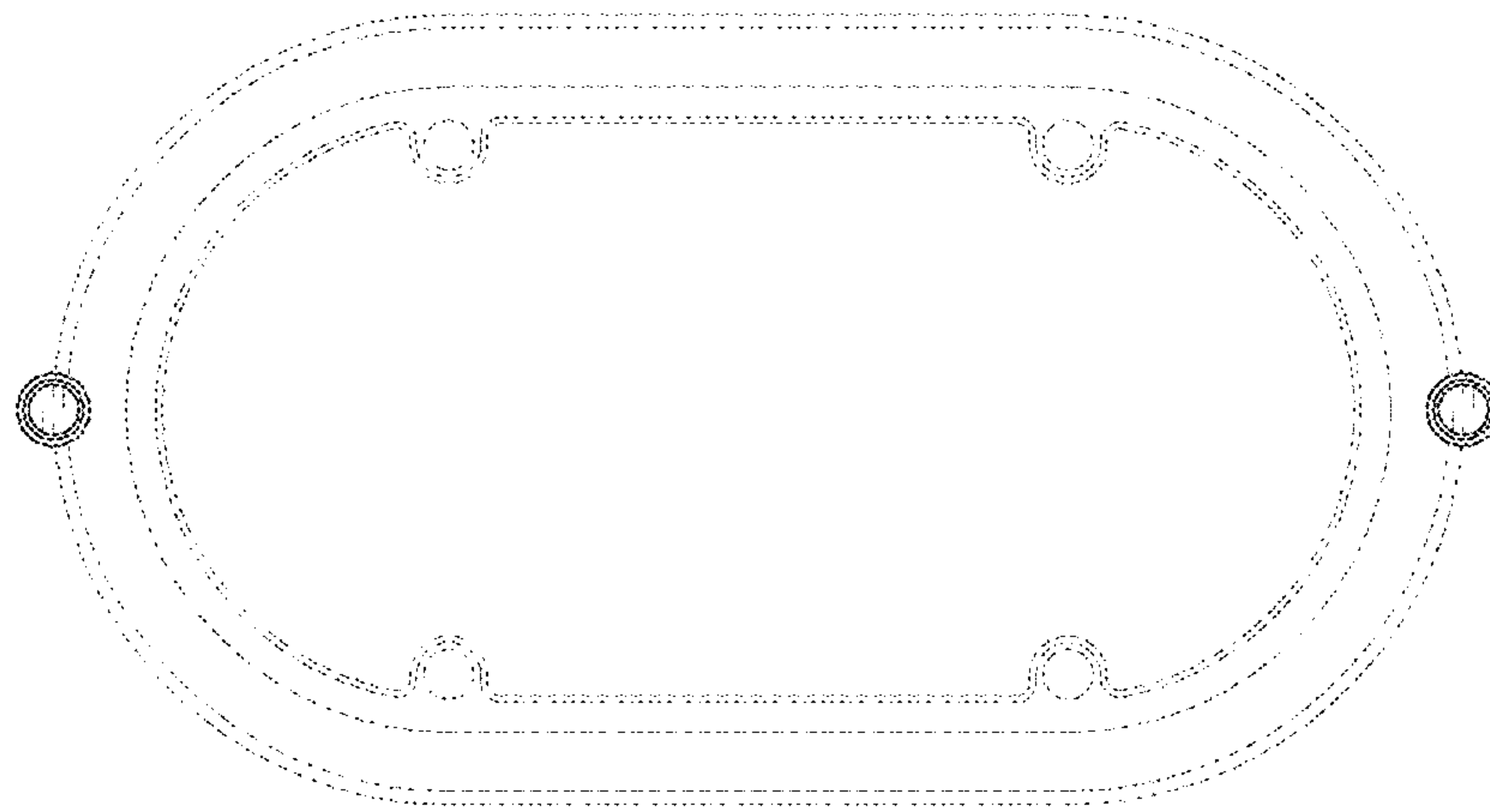


FIG. 7

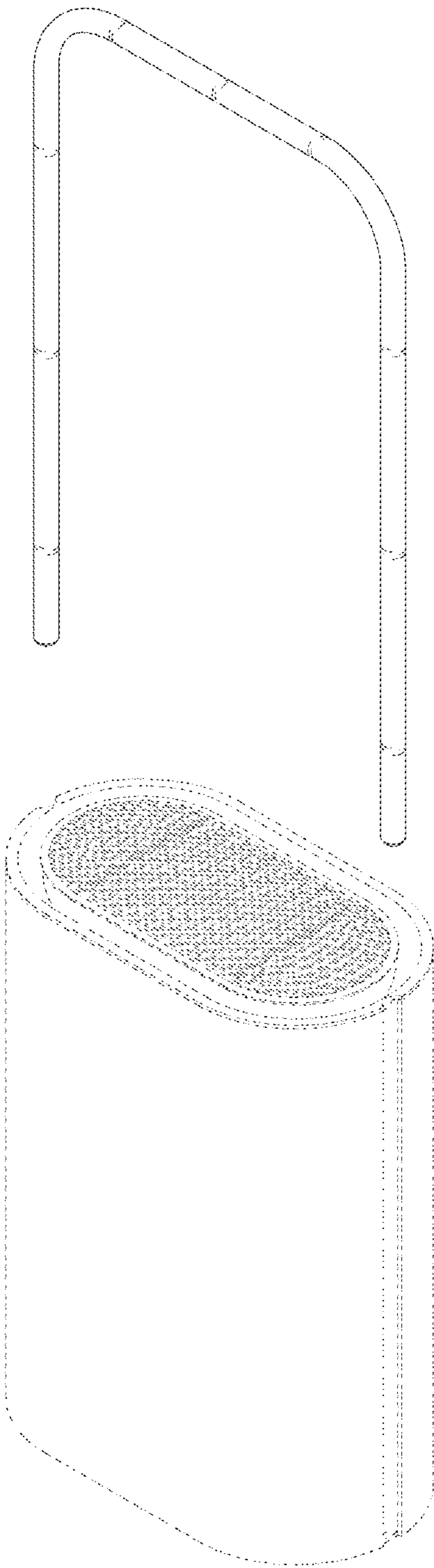


FIG. 8