



US00D861869S

(12) **United States Design Patent** (10) **Patent No.:** **US D861,869 S**
Kim (45) **Date of Patent:** **** Oct. 1, 2019**

(54) **COIL FOR MAGNETIC RESONANCE IMAGING DEVICE**

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(74) *Attorney, Agent, or Firm* — Cantor Colburn LLP

(71) Applicant: **Samsung Electronics Co., Ltd.**,
Suwon-si (KR)

(57) **CLAIM**

The ornamental design for a coil for magnetic resonance imaging device, as shown and described.

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(73) Assignee: **SAMSUNG ELECTRONICS CO., LTD.**, Gyeonggi-Do (KR)

DESCRIPTION

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

FIG. 1 is a front perspective view of a first embodiment of a coil for magnetic resonance imaging (“MRI”) device, showing my new design;

(21) Appl. No.: **29/644,876**

FIG. 2 is a front view thereof;

(22) Filed: **Apr. 20, 2018**

FIG. 3 is a rear view thereof;

(30) **Foreign Application Priority Data**

Nov. 15, 2017 (KR) 30-2017-0053322

FIG. 4 is a left side view thereof;

(51) **LOC (12) Cl.** **24-01**

FIG. 5 is a right side view thereof;

(52) **U.S. Cl.**

USPC **D24/158**

FIG. 6 is a top view thereof;

(58) **Field of Classification Search**

USPC D24/107, 158–161, 185, 186, 187, 231

FIG. 7 is a bottom view thereof;

CPC .. A61B 6/03; A61B 6/035; A61B 5/05; A61B

FIG. 8 is a rear perspective view thereof;

5/055; G01N 2223/1013; G01N

FIG. 9 is a cross-sectional view thereof, taken along line 9-9 in FIG. 2;

2223/1016; A61N 2005/1054; A61N

FIG. 10 is a front perspective view of a second embodiment of a coil or magnetic resonance imaging (“MRI”) device, showing my new design;

2005/1055; A61N 2005/1074; H05G 1/02;

FIG. 11 is a front view thereof;

H05G 1/025; H05G 1/04; H05G 1/06;

FIG. 12 is a rear view thereof;

(Continued)

FIG. 13 is a left side view thereof;

(56) **References Cited**

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(Continued)

FIG. 14 is a right side view thereof;

FIG. 15 is a top view thereof;

FIG. 16 is a bottom view thereof;

FIG. 17 is a rear perspective view thereof; and,

FIG. 18 is a cross-sectional view thereof, taken along line FIG. 11.

The broken lines illustrating portions of the coil for magnetic resonance imaging (“MRI”) device are for environmental purposes only and form no part of the claimed design.

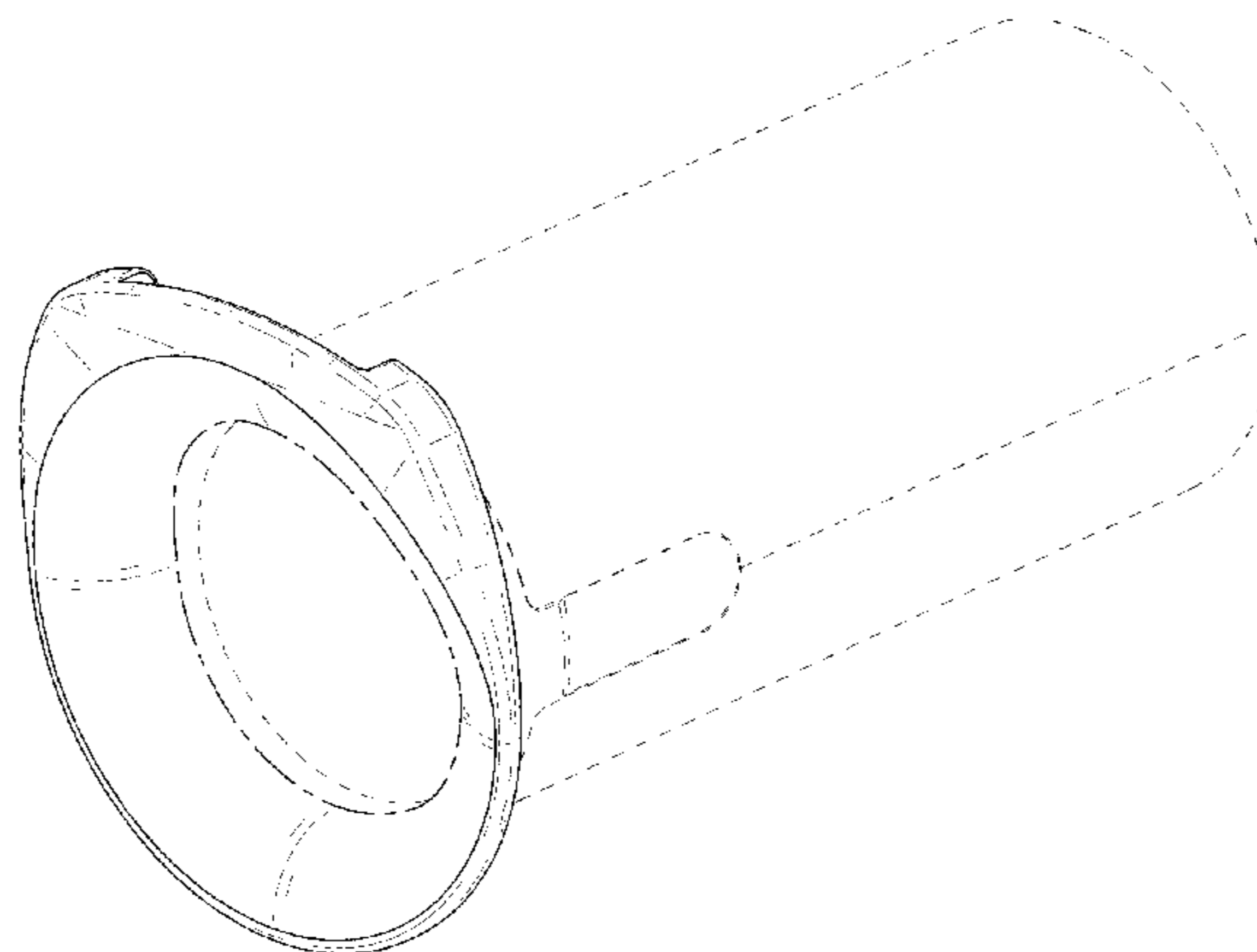
The dot-dash broken lines in the figure illustrate a boundary of the claimed design, and form no part of the claimed design.

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1 Claim, 14 Drawing Sheets



(58) **Field of Classification Search**

CPC H05G 1/10; H01J 2235/068; H01J
2235/163; H01J 2235/165; H01J 35/025;
H01J 35/16

See application file for complete search history.

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FIG. 1

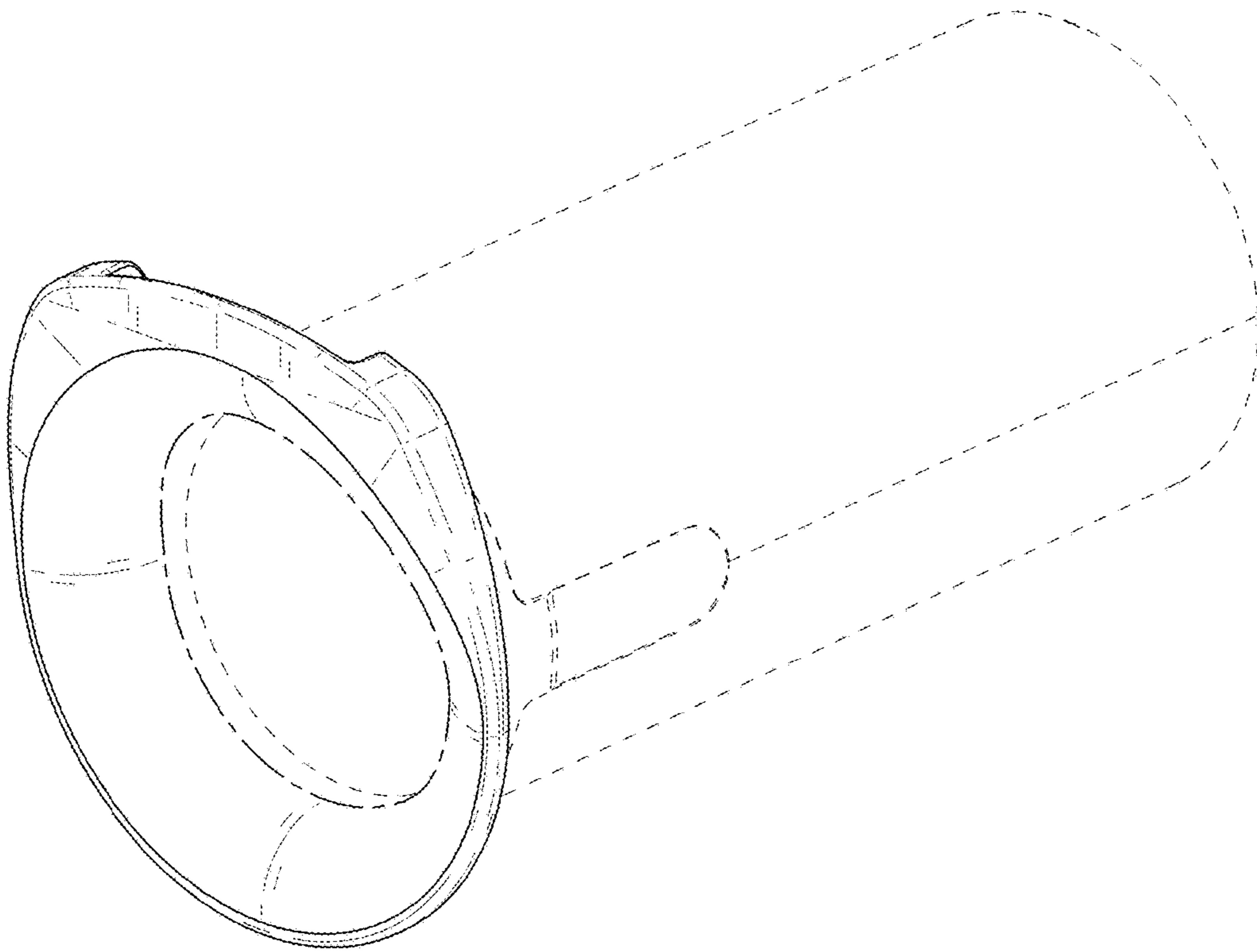


FIG. 2

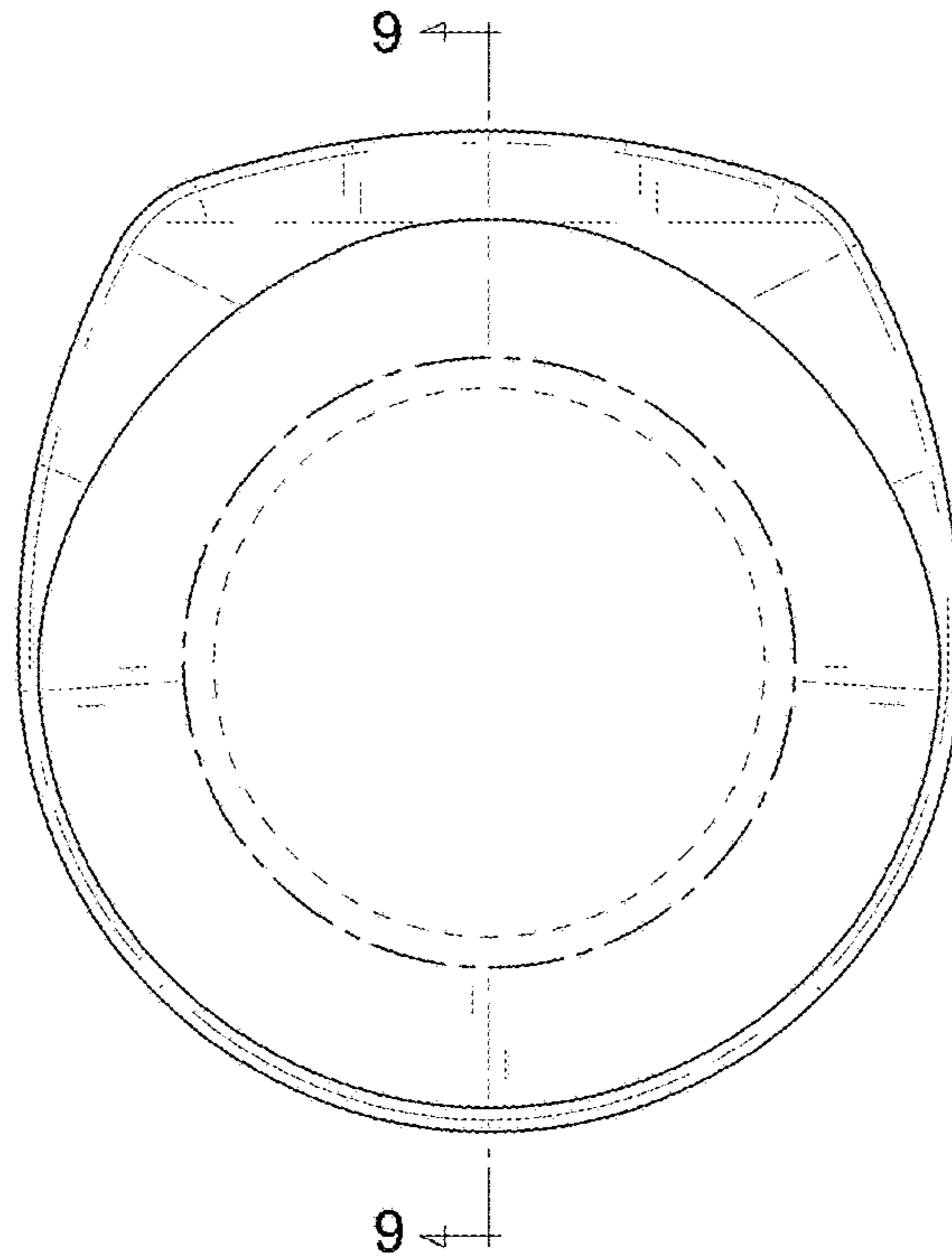


FIG. 3

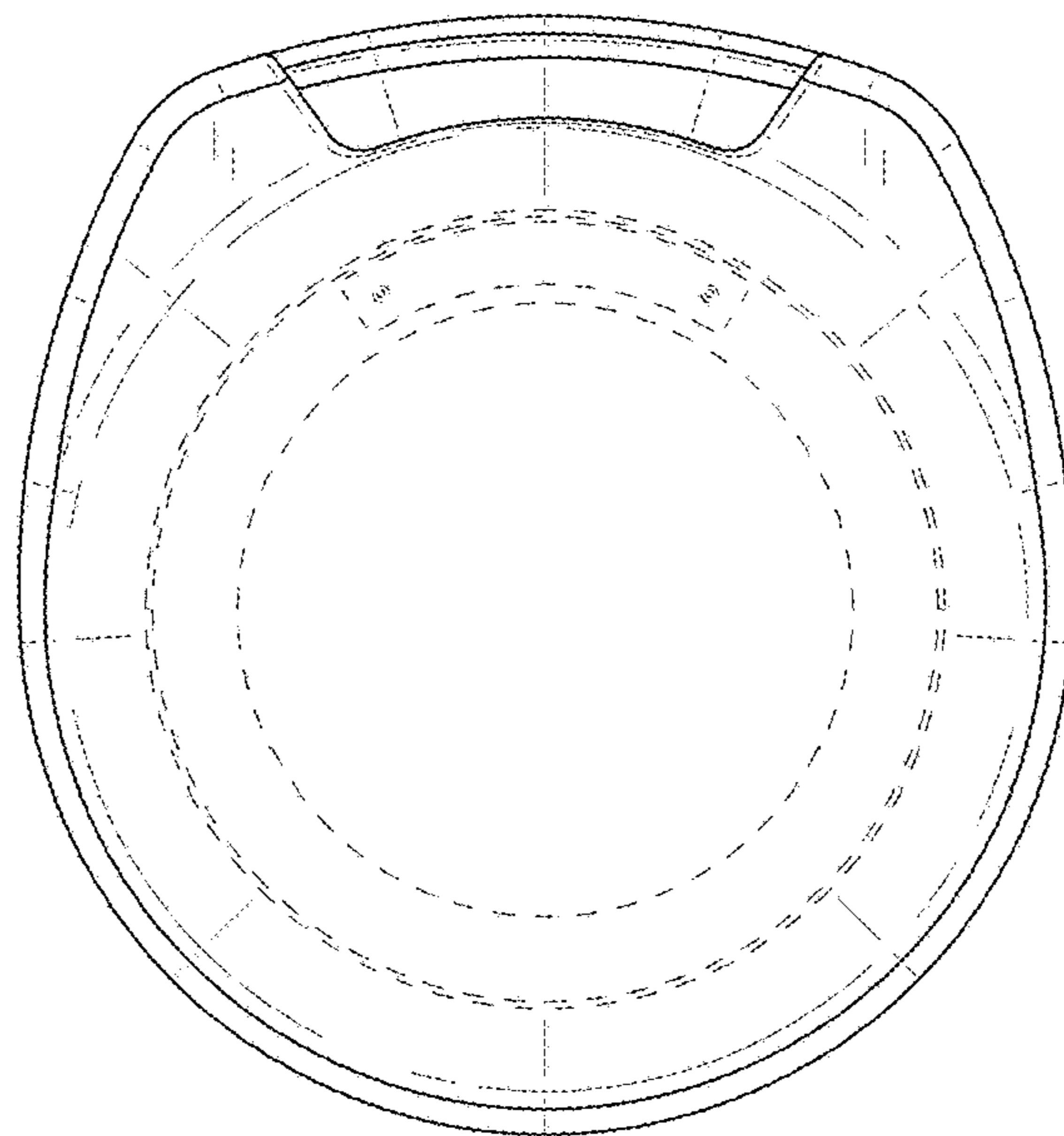


FIG. 4

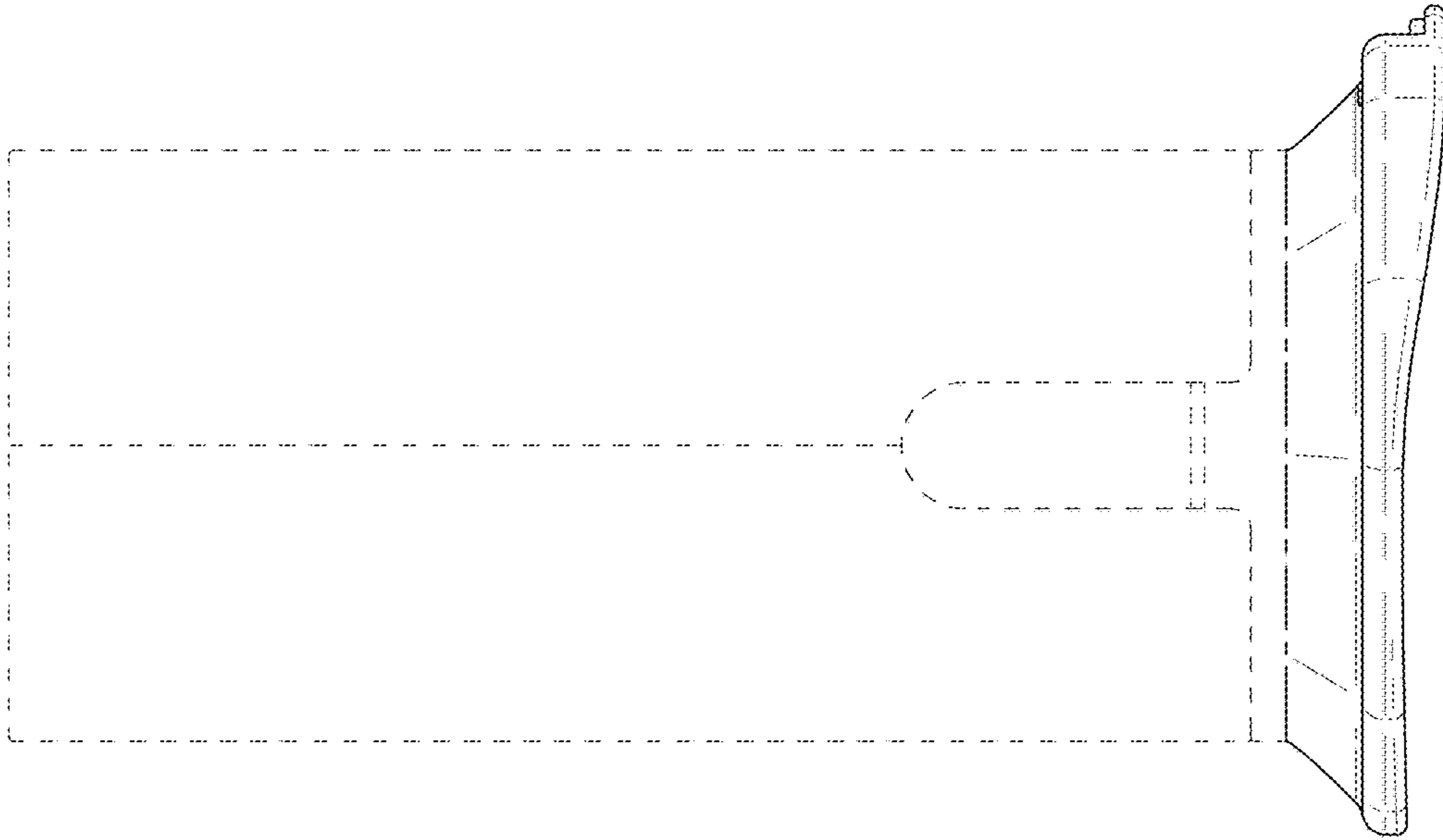


FIG. 5

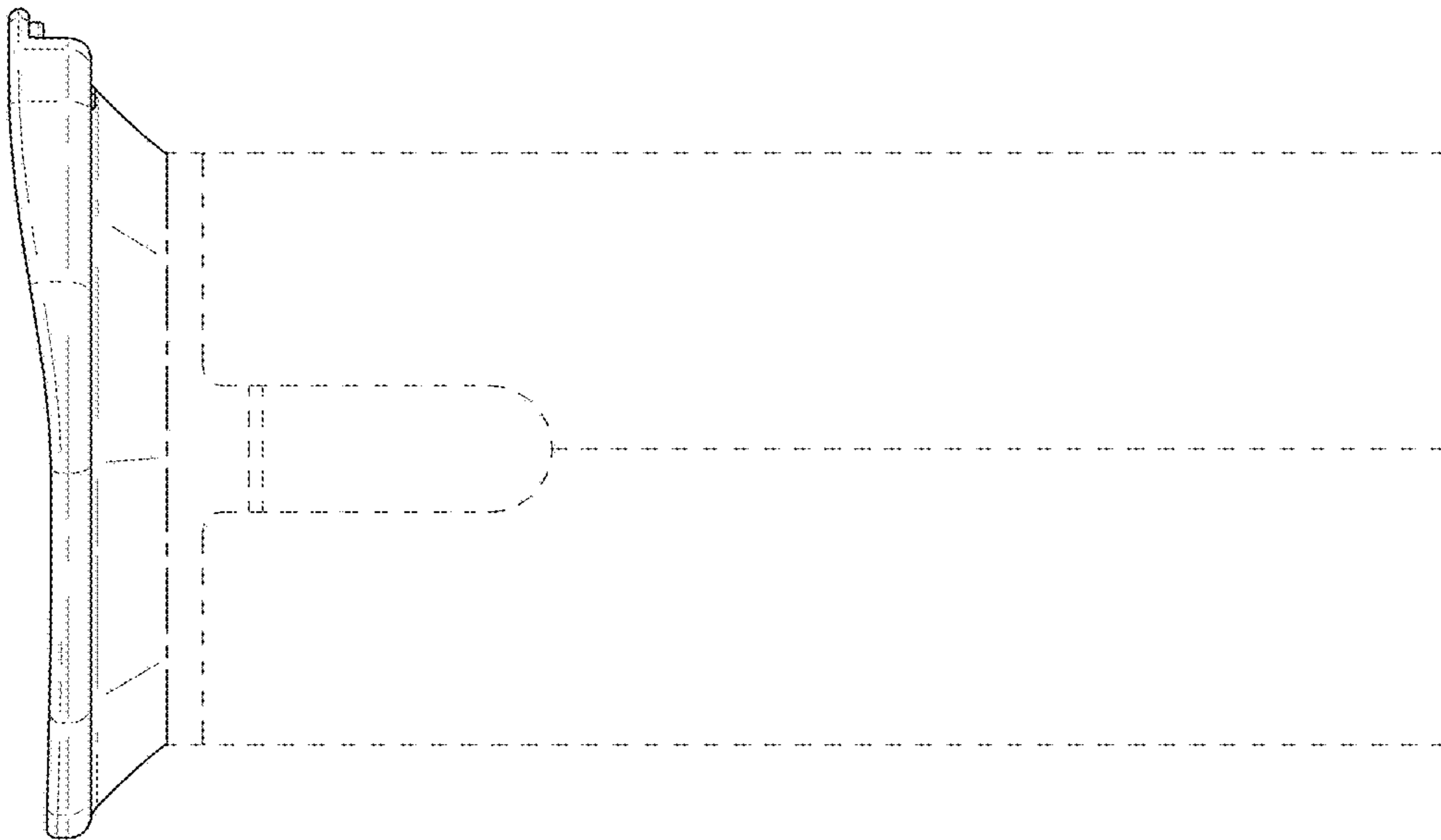


FIG. 6

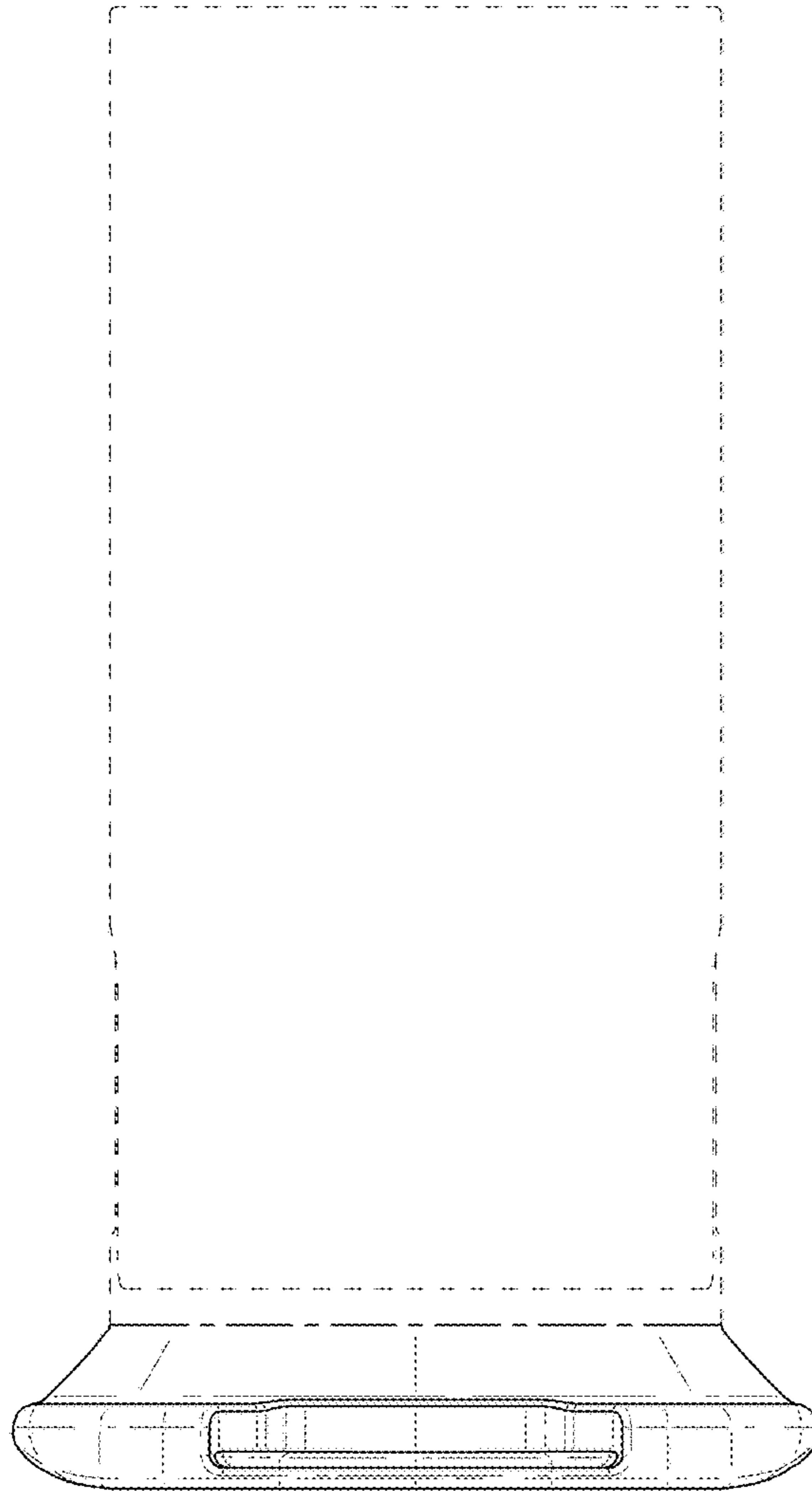


FIG. 7

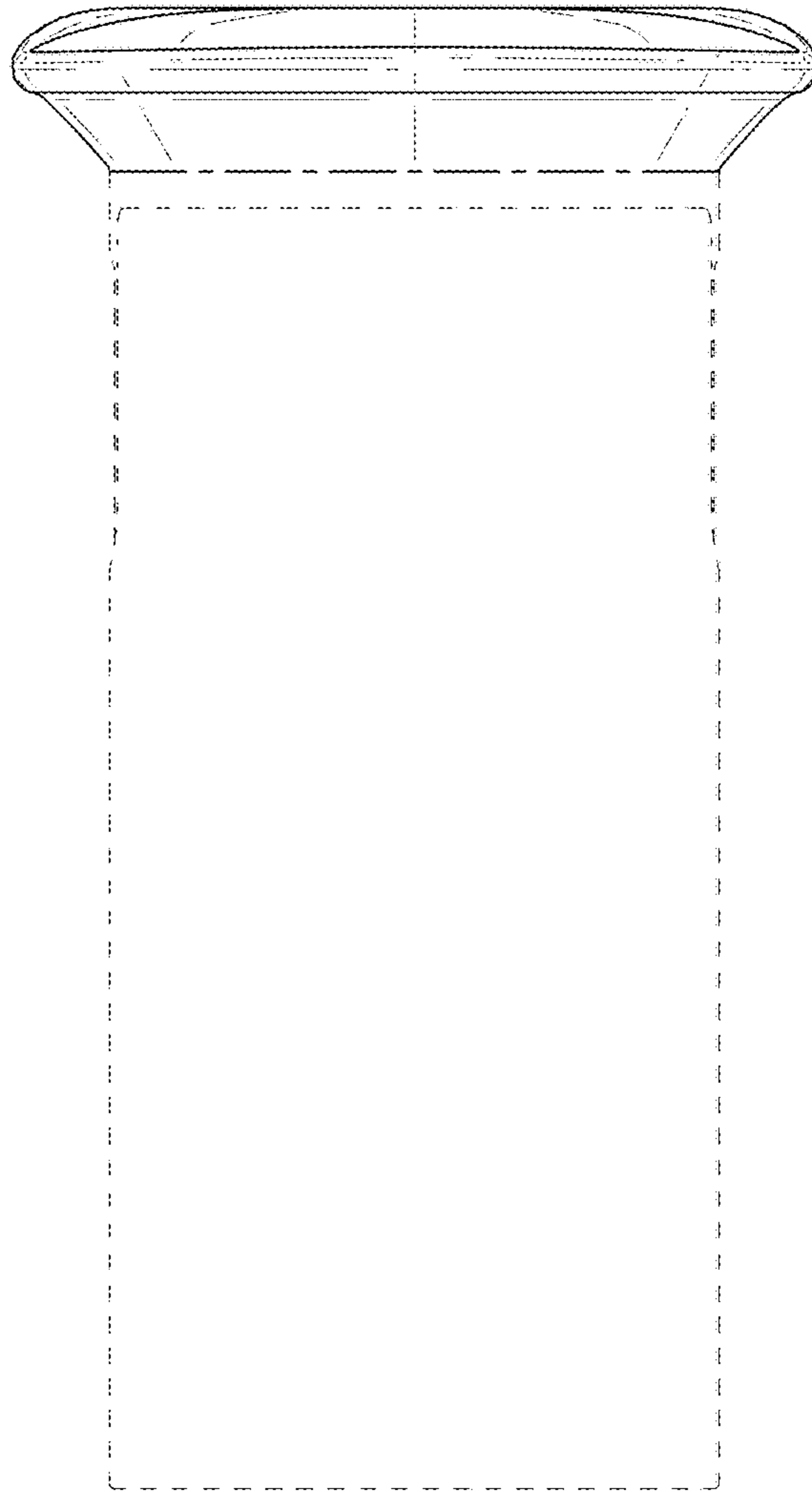


FIG. 8

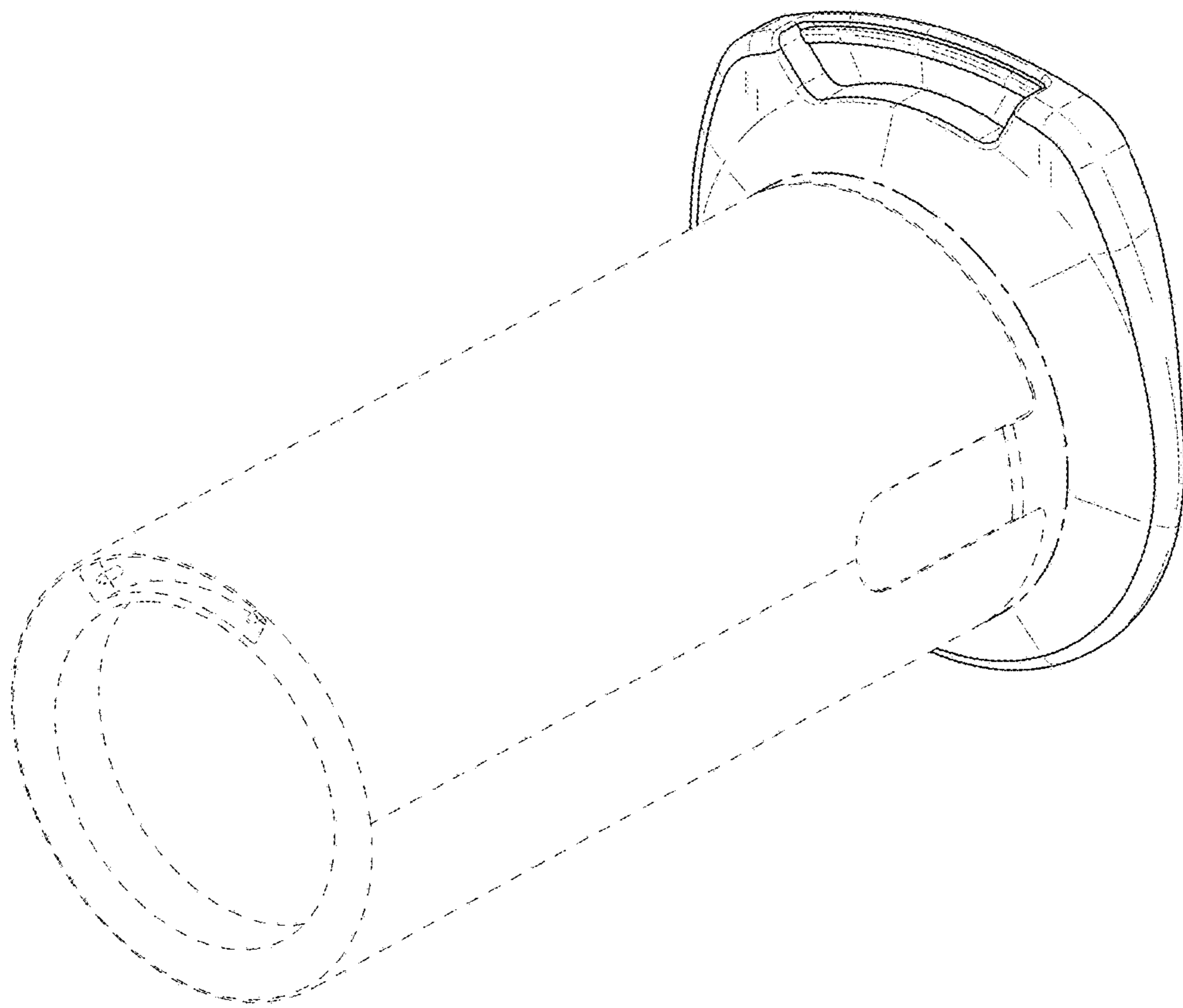


FIG. 9



FIG. 10

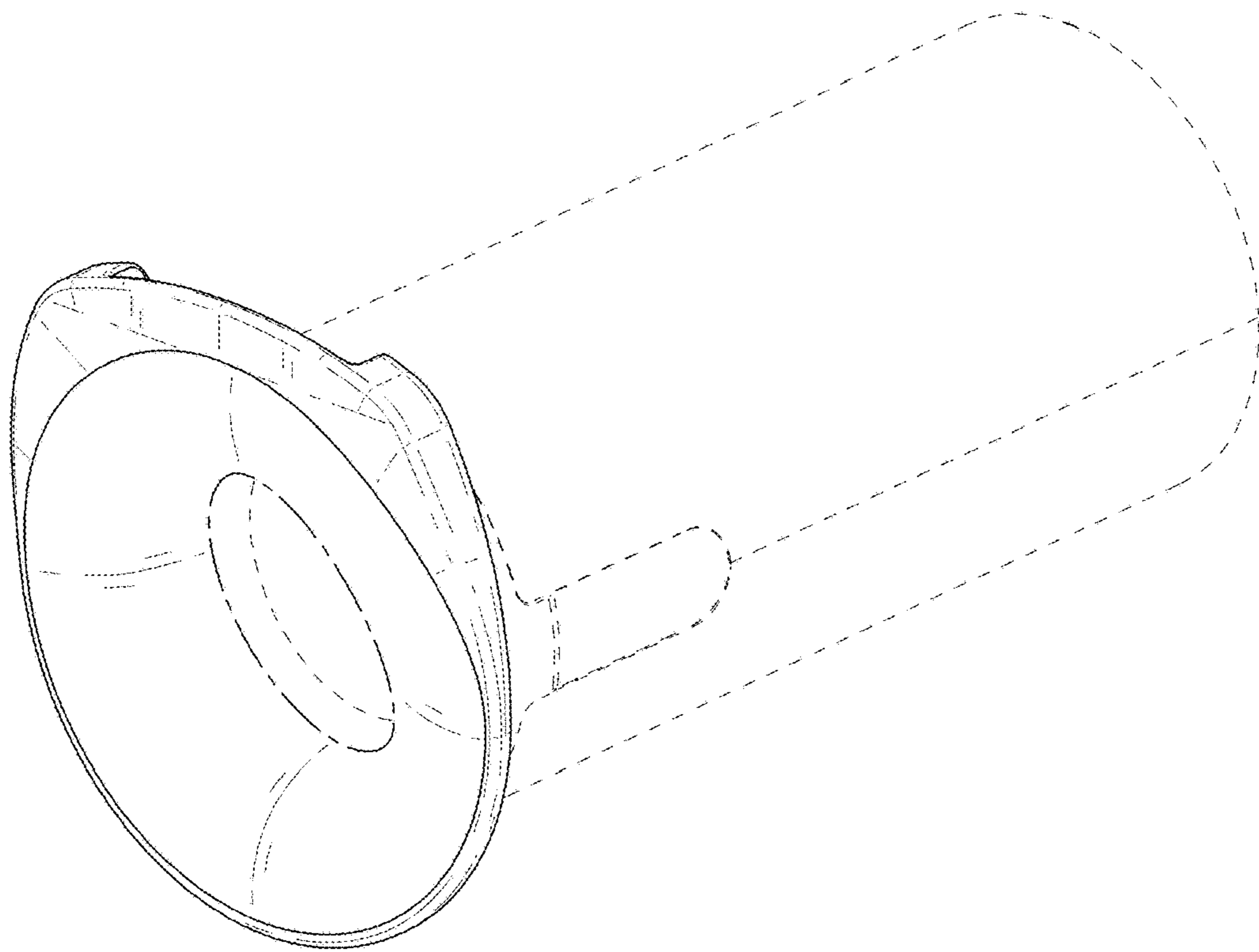
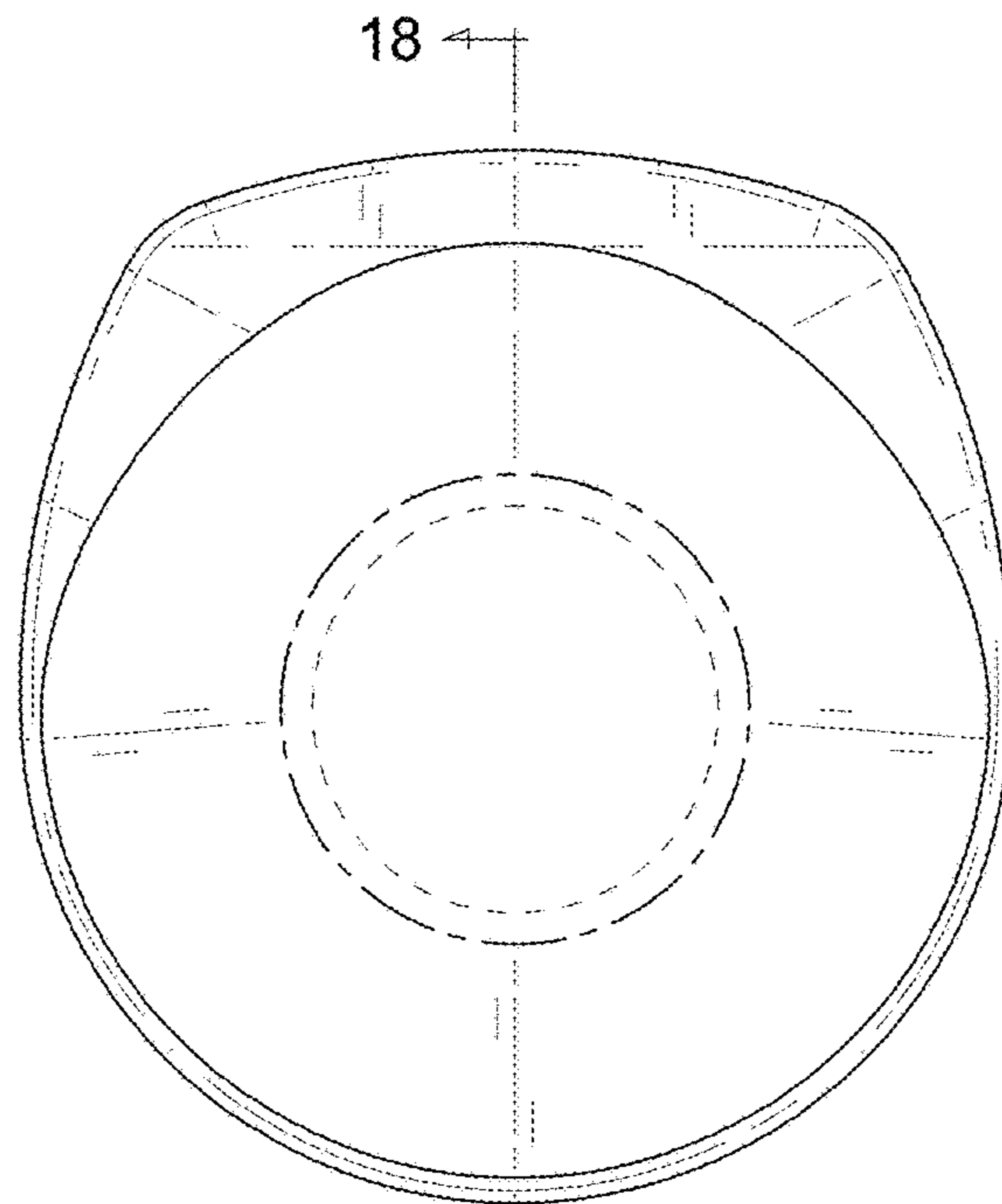


FIG. 11



18

FIG. 12

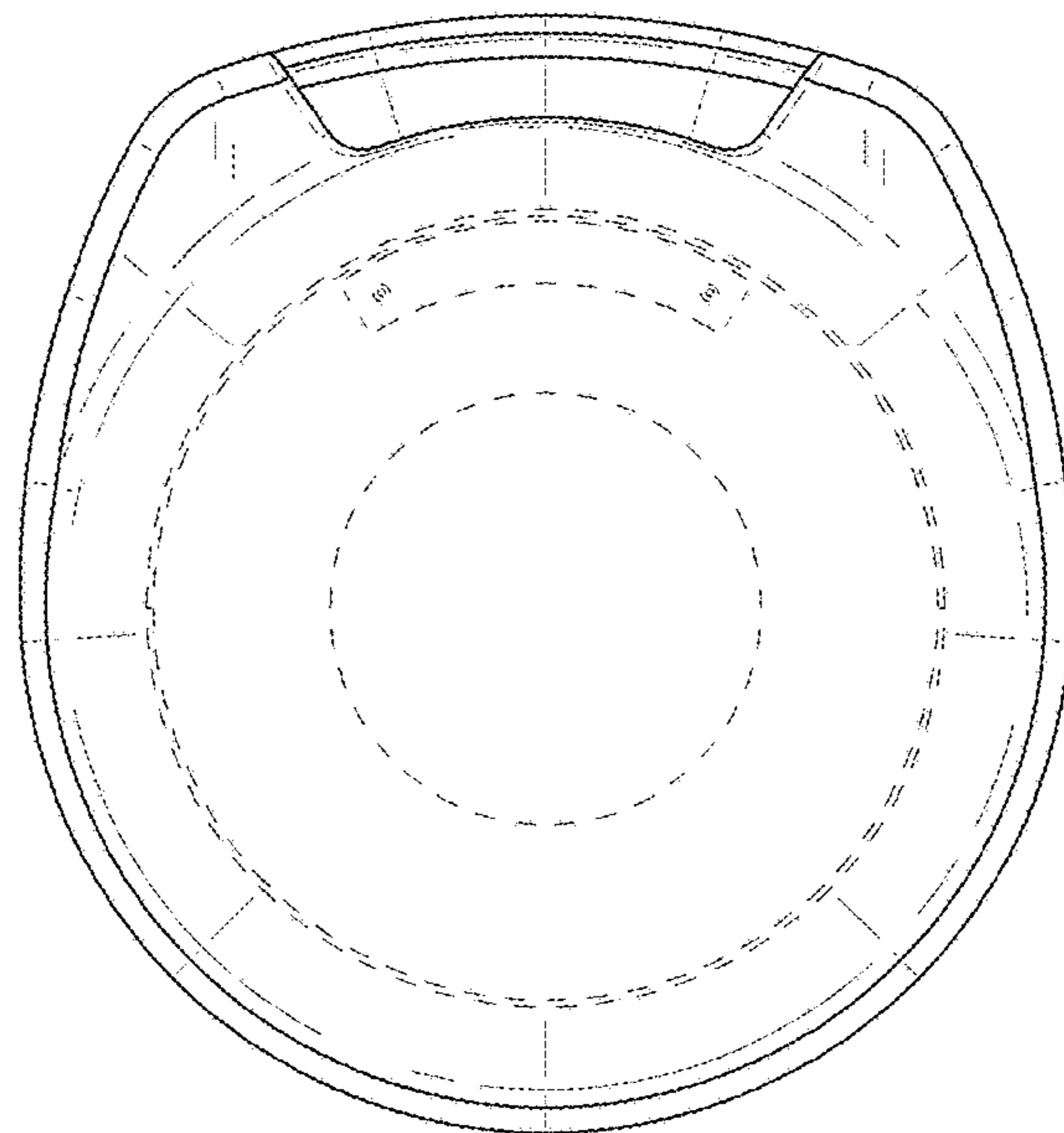


FIG. 13

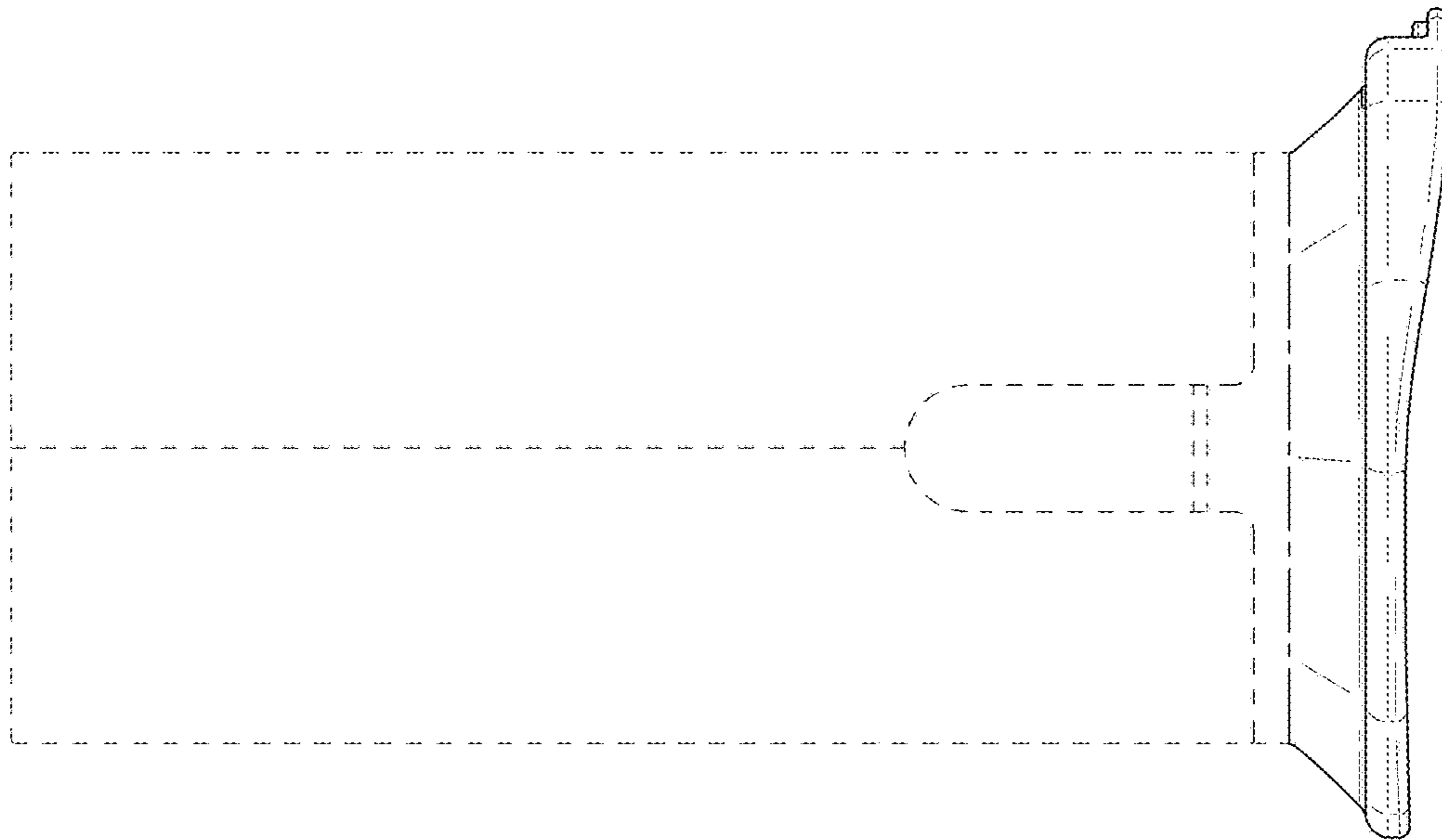


FIG. 14

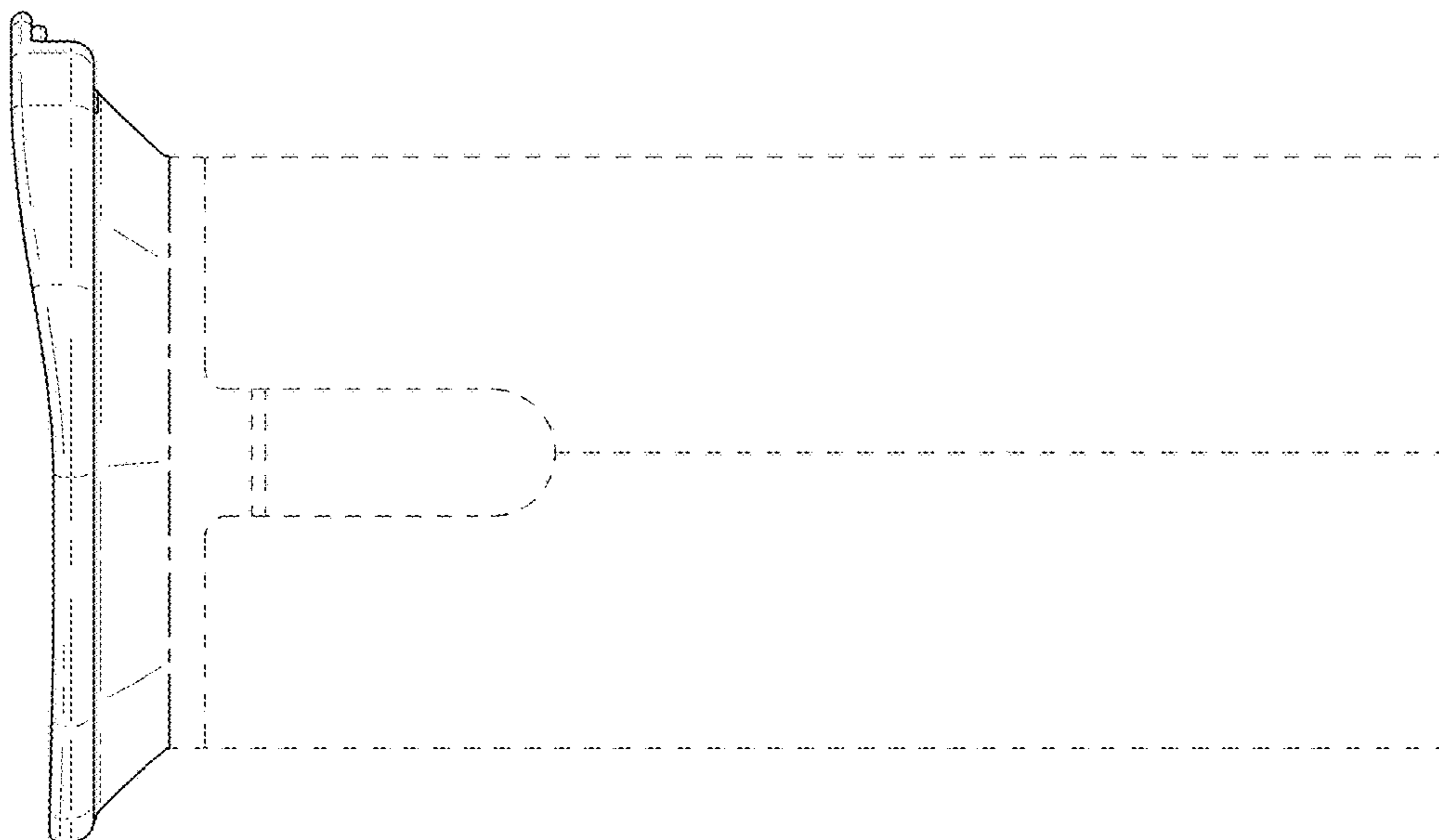


FIG. 15

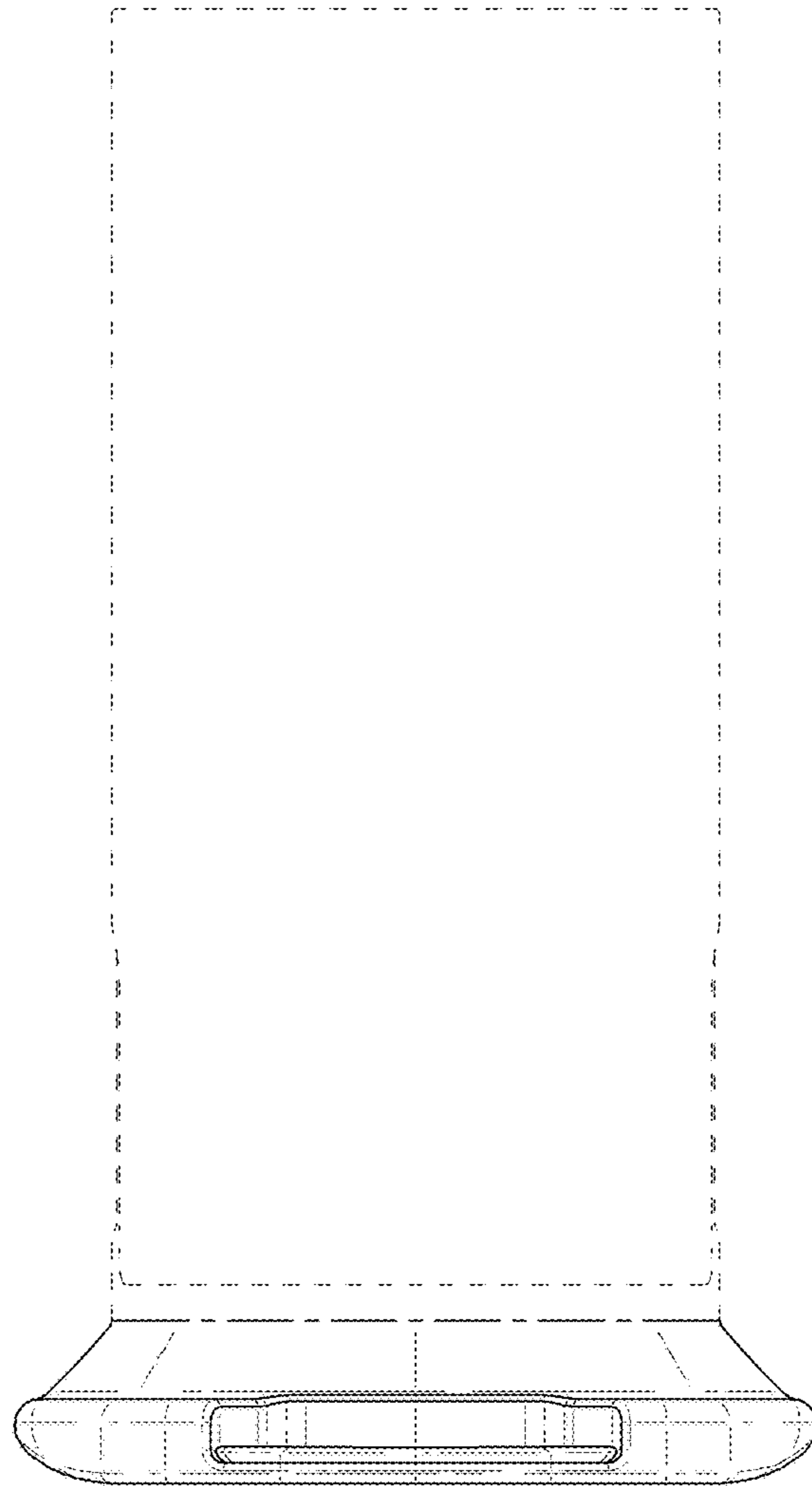


FIG. 16

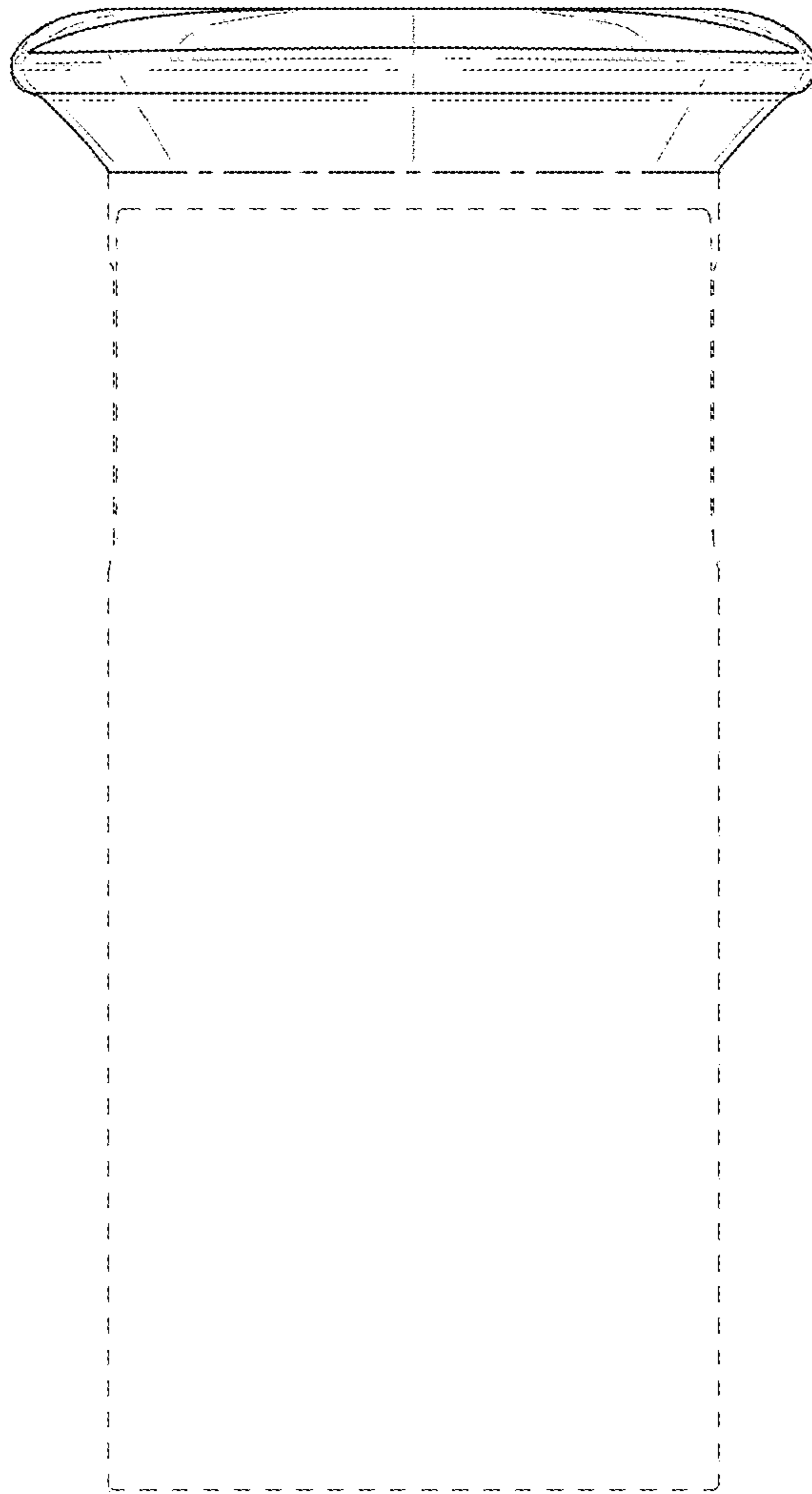


FIG. 17

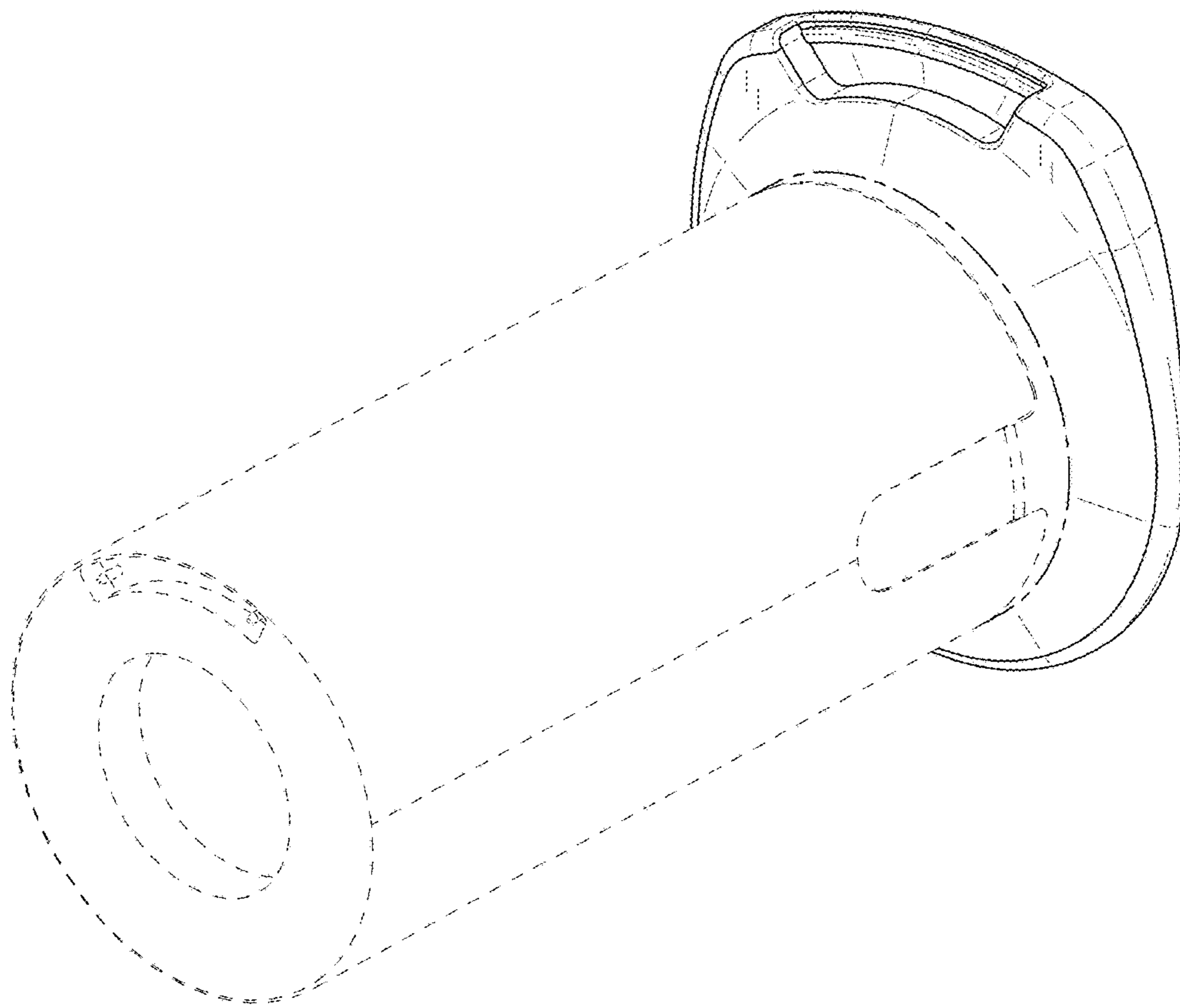


FIG. 18

