



US00D986752S

(12)

United States Design Patent

Farchione et al.

(10)

Patent No.:

US D986,752 S

(45)

Date of Patent:

** May 23, 2023

(54) **DIGITAL CANISTER GAUGE**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **WORTHINGTON CYLINDERS CORPORATION**, Columbus, OH (US)

CN 306025499 * 12/2019
EP 2599732 6/2013
(Continued)

(72) Inventors: **Louis Farchione**, Columbus, OH (US);
Joel Vangilder, Columbus, OH (US);
Brian Poland, Columbus, OH (US)

OTHER PUBLICATIONS

(73) Assignee: **WORTHINGTON CYLINDERS CORPORATION**, Columbus, OH (US)

Flame King Store,Tank Gauge Level Indicator, Date first available Jul. 8, 2016, [online]retrieved Jan. 4, 2023,available from <https://www.amazon.com/DP/B005N3LT5O> (Year: 2016).*
(Continued)

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

Primary Examiner — Keli L Hill
Assistant Examiner — Sara S Sahneh
(74) Attorney, Agent, or Firm — Tucker Ellis LLP

(21) Appl. No.: **29/747,756**

(57) **CLAIM**

(22) Filed: **Aug. 25, 2020**

The ornamental design for a digital canister gauge, as shown and described.

(51) **LOC (14) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/102; D23/233**

DESCRIPTION

(58) **Field of Classification Search**
USPC D10/83–86, 96–103, 46; D23/206, 260, D23/233
CPC G01L 13/00; G01L 13/01; G01L 13/03; G01L 13/04; G01L 13/05; G01L 13/06; G01L 7/043; G01L 19/00; G01L 19/01; G01L 19/02; G01F 23/20
See application file for complete search history.

FIG. 1 is a top perspective view of an embodiment of a digital canister gauge showing our new design;
FIG. 2 is a bottom perspective of the digital canister gauge illustrated in FIG. 1;
FIG. 3 is a left side view of the digital canister gauge illustrated in FIG. 1;
FIG. 4 is a front view of the digital canister gauge illustrated in FIG. 1;
FIG. 5 is a right side view of the digital canister gauge illustrated in FIG. 1;
FIG. 6 is a rear view of the digital canister gauge illustrated in FIG. 1;
FIG. 7 is a top view of the digital canister gauge illustrated in FIG. 1; and,
FIG. 8 is a bottom view of the digital canister gauge illustrated in FIG. 1.
The broken lines in the drawings illustrate the portions of the digital canister gauge that form no part of the claimed design.

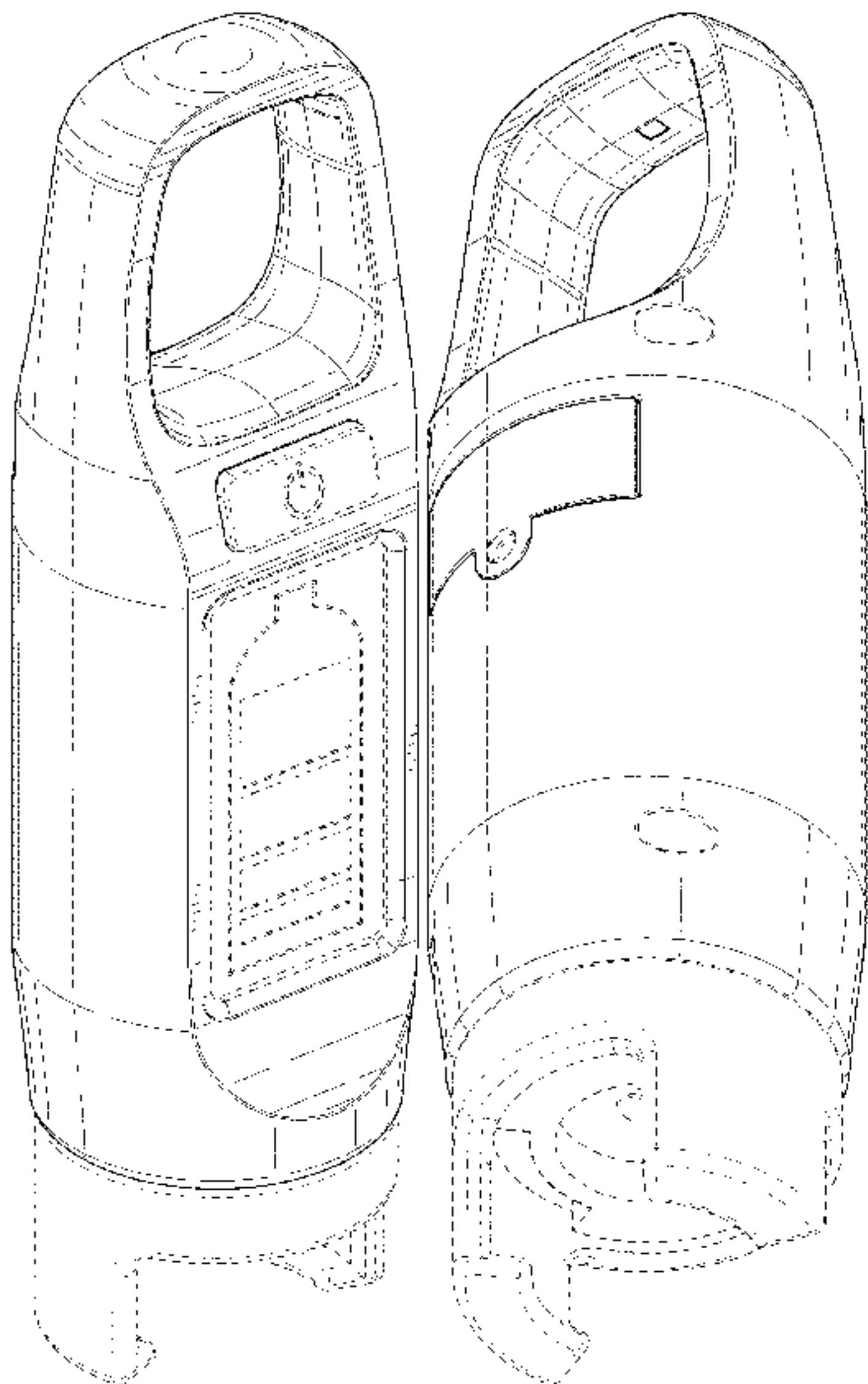
(56) **References Cited**

U.S. PATENT DOCUMENTS

4,413,515 A 11/1983 Quinn
4,712,713 A 12/1987 Karlis
D301,554 S 6/1989 Ogawa
6,410,864 B1 6/2002 Kim
D568,183 S 5/2008 Ishii
D592,085 S 5/2009 Ohtani
D672,668 S 12/2012 Gibb
D705,101 S 5/2014 Haener

(Continued)

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D715,403 S * 10/2014 Ames D23/233
D716,168 S 10/2014 Au Yeung
D718,157 S 11/2014 Naughton
D729,347 S * 5/2015 Benz D23/233
9,140,596 B2 9/2015 Wang
D746,942 S * 1/2016 Koppert D23/202
D747,438 S 1/2016 Sanchez
D760,097 S 6/2016 Benoit
D795,719 S 8/2017 Lean
D809,090 S * 1/2018 Aguiar D23/206
D828,196 S 9/2018 Tschudin
D838,614 S 1/2019 Tschudin
D838,615 S 1/2019 Tschudin
D838,616 S 1/2019 Tschudin
D845,435 S 4/2019 Pedrosa
D852,649 S 7/2019 Burns
D878,231 S * 3/2020 Ludwig D10/86
10,618,794 B2 4/2020 Raguzin
D885,219 S 5/2020 Kurani
D885,221 S 5/2020 Huang
D892,628 S * 8/2020 Caruso D9/688
D905,581 S 12/2020 Wada
D907,170 S * 1/2021 Lelong D23/202
D918,732 S * 5/2021 Chen D9/689
11,022,482 B2 6/2021 Parker
11,047,714 B2 6/2021 Boulay
D964,508 S * 9/2022 Downie D23/209
2007/0257498 A1 11/2007 Swain
2013/0277376 A1 * 10/2013 Liebenberg F17C 13/085
220/589

2015/0167898 A1 * 6/2015 Hilton F17C 13/085
220/660
2016/0331894 A1 11/2016 Harmon
2019/0202680 A1 7/2019 Rider
2021/0217287 A1 7/2021 Andre Dias
2021/0262837 A1 8/2021 Boulay
2021/0325230 A1 * 10/2021 Farchione G01F 23/20
2022/0356991 A1 * 11/2022 Wexler F17C 13/06

FOREIGN PATENT DOCUMENTS

FR 3106188 7/2021
JP D1669999 * 3/2020

OTHER PUBLICATIONS

Acogedor Store,Digital Turbine Flow Meter,Date first available
Dec. 25, 2018, [online]retrieved Jan. 4, 2023,available from <https://www.amazon.com/DP/B07M9P3TF9> (Year: 2018).
Bernnzomatic Fuel Gauge, Jan. 28, 2021, Amazon.com Jun. 3,
2021. URL: https://www.amazon.com/dp/B08VCNY9CG?tag=price15723-2-&ascsubtag-wtbs_60b982d84130a5d1d3fe8c4 (Year:
2021).
Samsonite Manual Luggage Scale, Black Apr. 12, 2017, Amazon.
com, Jun. 7, 2021; <https://www.amazon.com/Samsonite-77778-1041-Manual-Scale-Black> (2017).
Wisefield Digital Hanging fish Scale, Aug. 1, 2016, Amazon.com,
Jun. 7, 2021; [htt's://www.amazon.com/WiseField-Digital-Hanging-Luggage-Backlit](https://www.amazon.com/WiseField-Digital-Hanging-Luggage-Backlit) (2016).
LurEra Fish Weighing Scale Portable Digital, Apr. 13, 2019, Amazon.
com, Jun. 7, 2021; <https://www.amazon.com/dp/B093XNG85G> (2019).

* cited by examiner

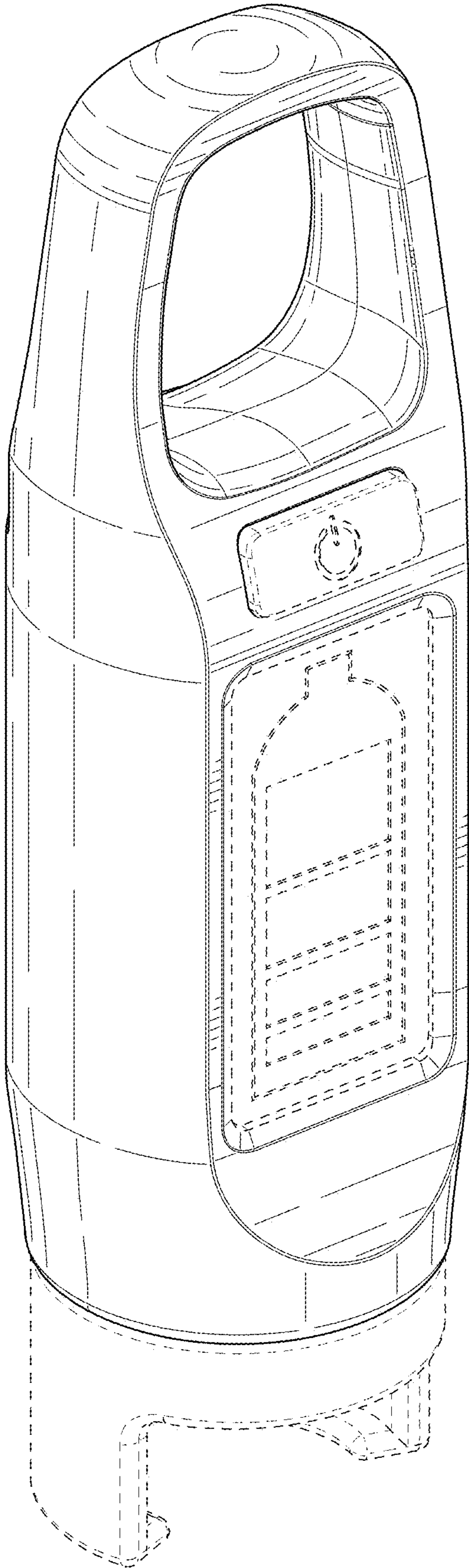


FIG. 1

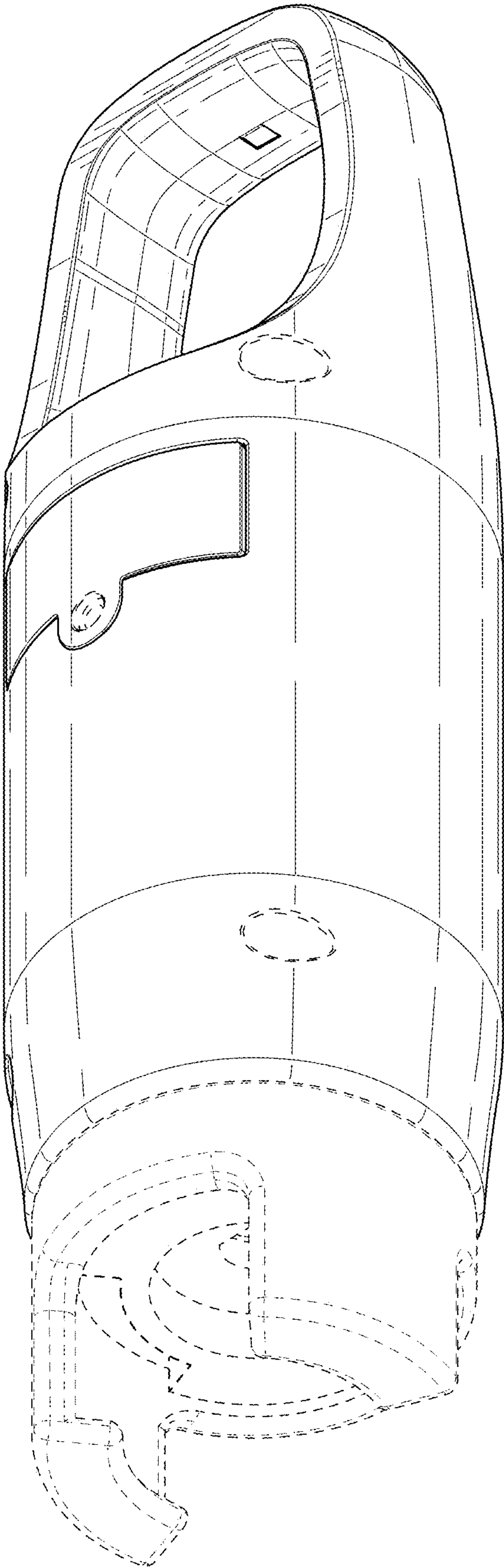


FIG. 2

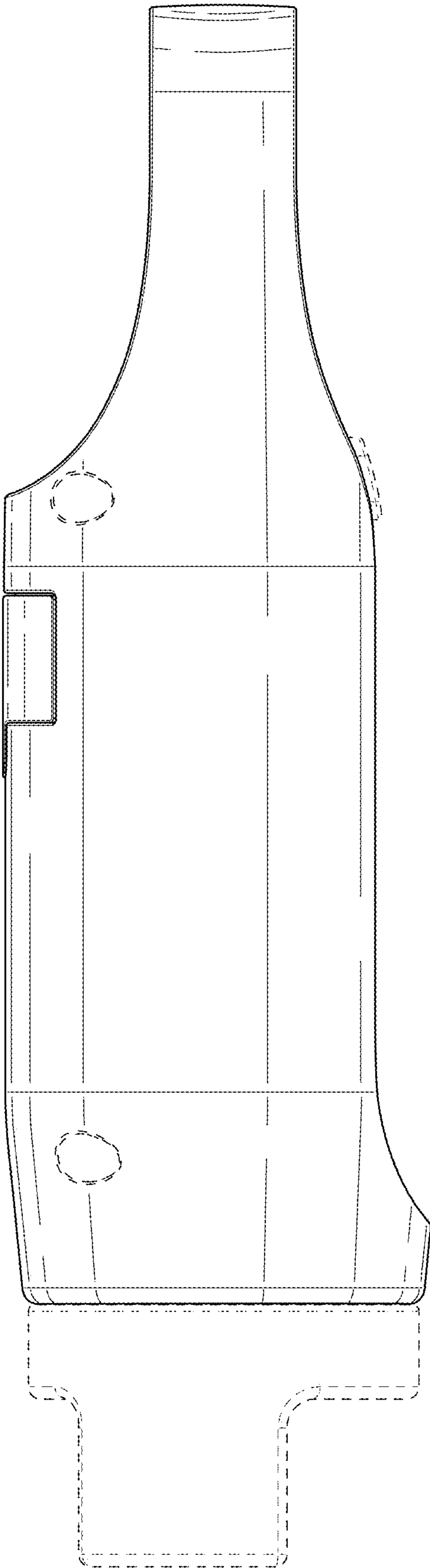


FIG. 3

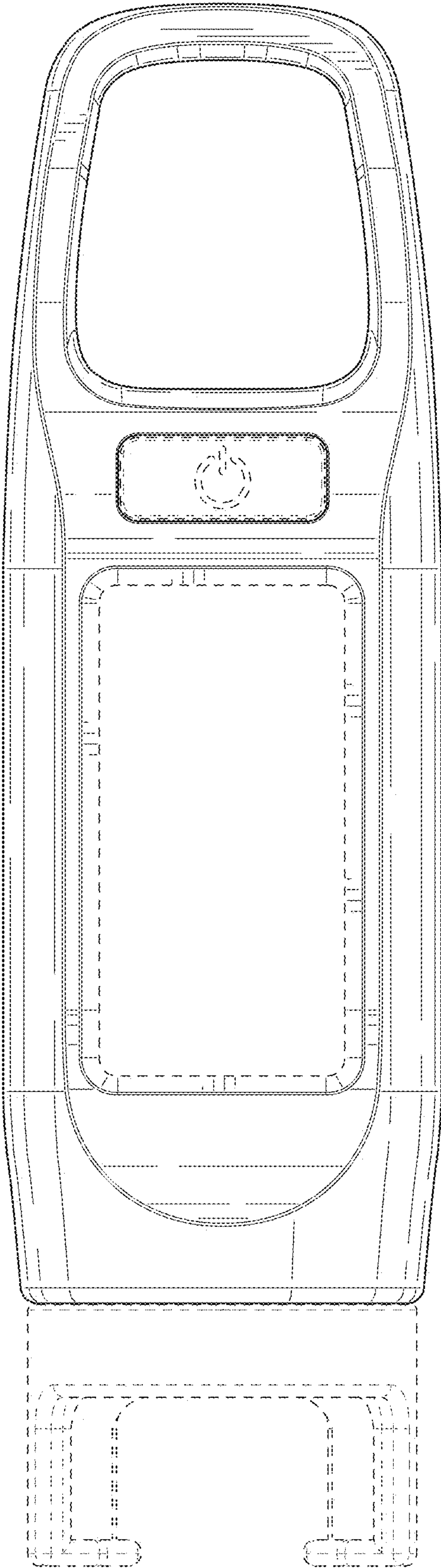


FIG. 4

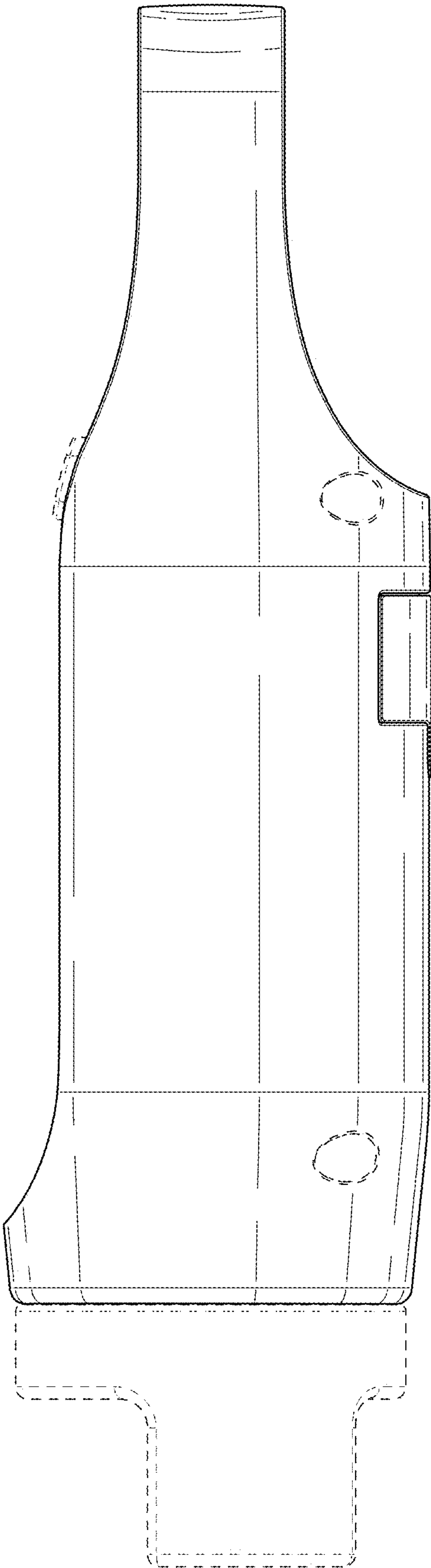


FIG. 5

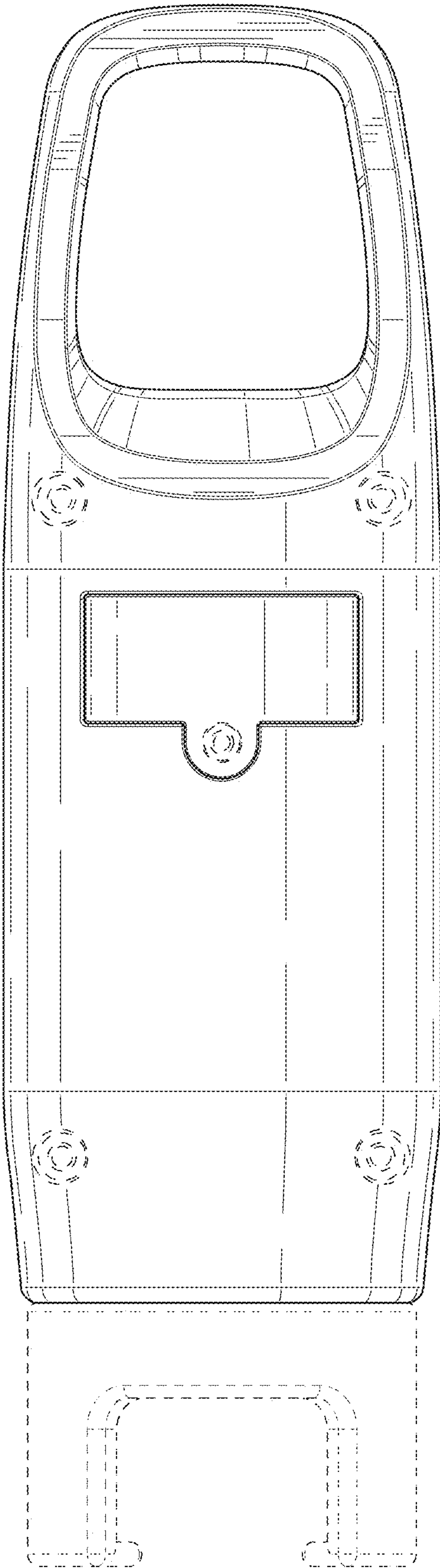


FIG. 6

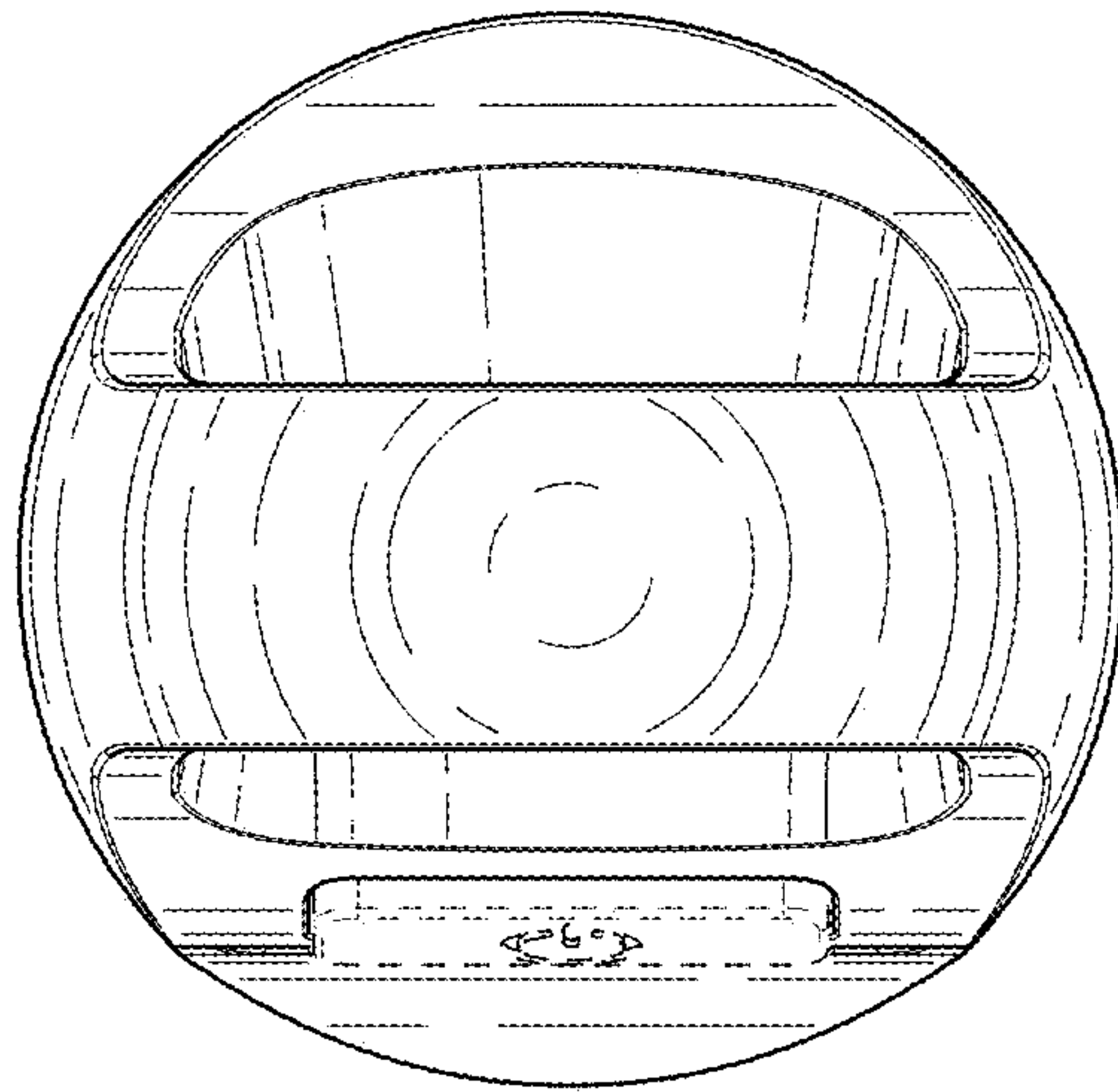


FIG. 7

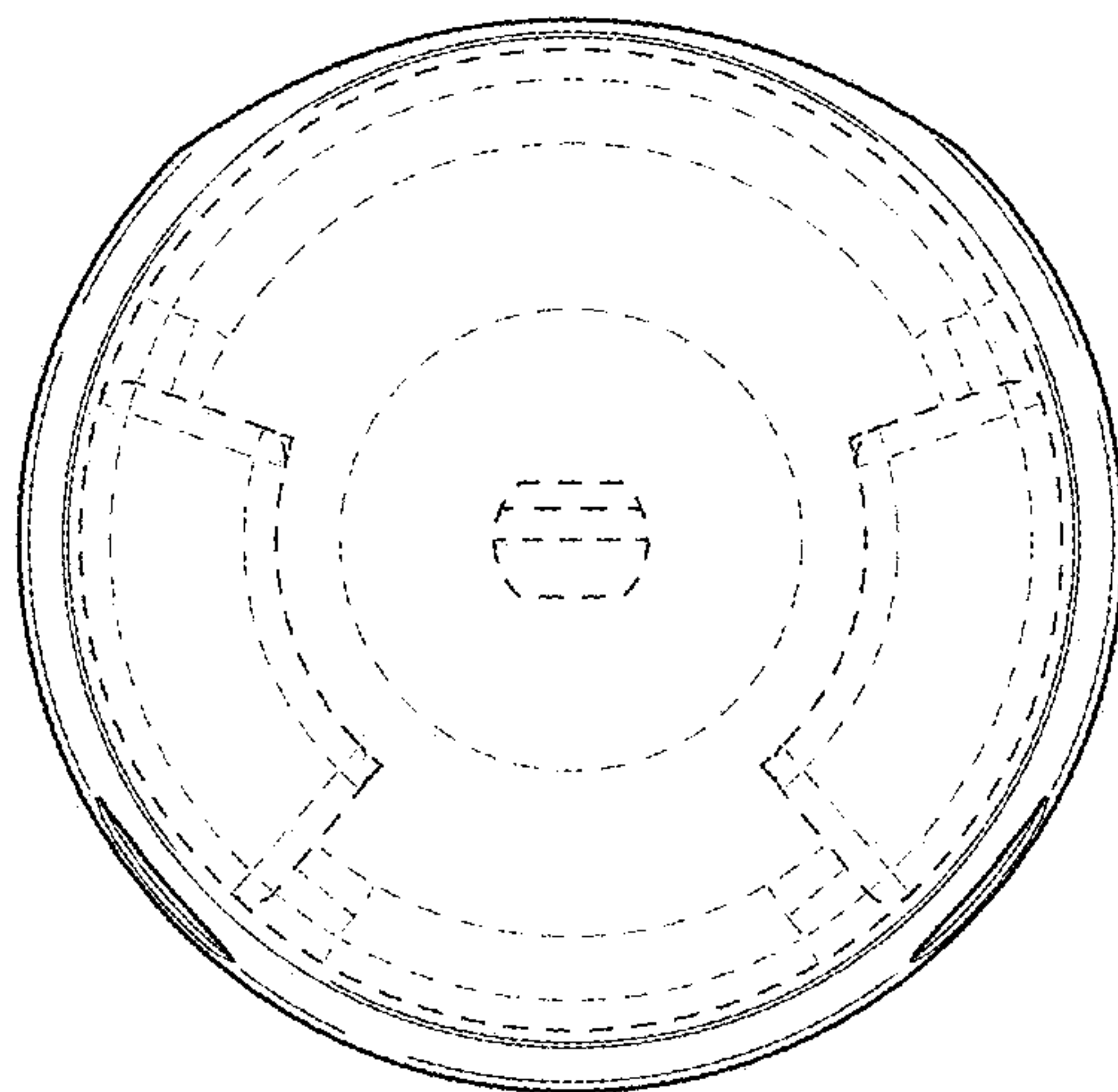


FIG. 8