



US00D884614S

(12) **United States Design Patent**  
**Natsume et al.**

(10) **Patent No.:** **US D884,614 S**  
(45) **Date of Patent:** **\*\* May 19, 2020**

(54) **CHARGER FOR HEAD MOUNTED  
AUDIO-VISUAL DISPLAY SYSTEM**

(71) Applicant: **MAGIC LEAP, INC.**, Plantation, FL  
(US)

(72) Inventors: **Shigeru Natsume**, Weston, FL (US);  
**Bradley Fraser**, Miami Beach, FL  
(US); **Haney Awad**, Fort Lauderdale,  
FL (US); **Sebastian Gonzalo Arrieta**  
**Günther**, Fort Lauderdale, FL (US);  
**Masamune Kaji**, Plantation, FL (US);  
**William Wheeler**, Los Angeles, CA  
(US)

(73) Assignee: **MAGIC LEAP, INC.**, Plantation, FL  
(US)

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

(21) Appl. No.: **29/635,994**

(22) Filed: **Feb. 5, 2018**

(51) **LOC (12) Cl.** ..... **13-02**

(52) **U.S. Cl.**  
USPC ..... **D13/108**

(58) **Field of Classification Search**  
USPC ..... D13/107–108, 105, 110, 119, 137.2,  
D13/138.1, 137.1; D14/434, 447, 253,  
D14/224, 217, 238.1, 251, 240, 149, 358,  
D14/348, 356, 433, 388  
CPC ..... H02J 7/0042; H02J 7/044; H02J 7/045;  
H02J 2007/0062; H02J 7/0054; H02J  
7/0055; B60R 11/0241

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D433,994 S \* 11/2000 Jobs ..... D13/110  
D645,818 S \* 9/2011 Guccione ..... D13/108  
D699,674 S \* 2/2014 Man ..... D13/108

D701,831 S \* 4/2014 Park ..... D13/108  
D712,829 S \* 9/2014 Huang ..... D13/110  
D726,651 S \* 4/2015 Lin ..... D13/110  
D760,648 S \* 7/2016 Lee ..... D13/108  
D791,698 S \* 7/2017 Kim ..... D13/108  
D806,711 S \* 1/2018 Sakaguchi ..... D14/388  
D809,116 S \* 1/2018 Jones ..... D23/366  
D809,456 S \* 2/2018 Miller ..... D13/110  
D813,212 S \* 3/2018 Nangeroni ..... D14/240

(Continued)

**OTHER PUBLICATIONS**

Examiner Report for Canadian Patent Appln. No. 182741 dated  
May 17, 2019, (2 pgs).

(Continued)

*Primary Examiner* — Brett Miller

(74) *Attorney, Agent, or Firm* — Vista IP Law Group LLP

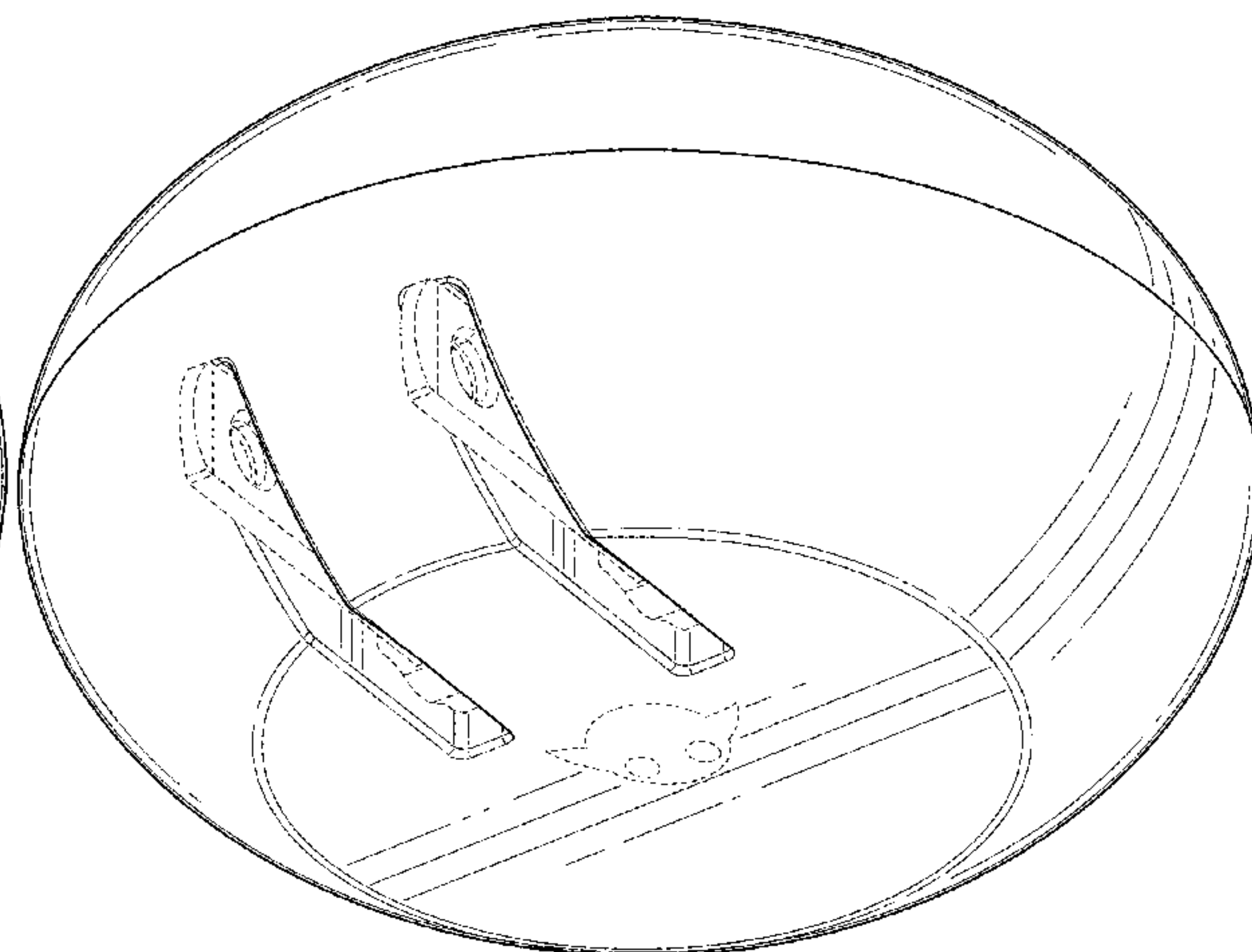
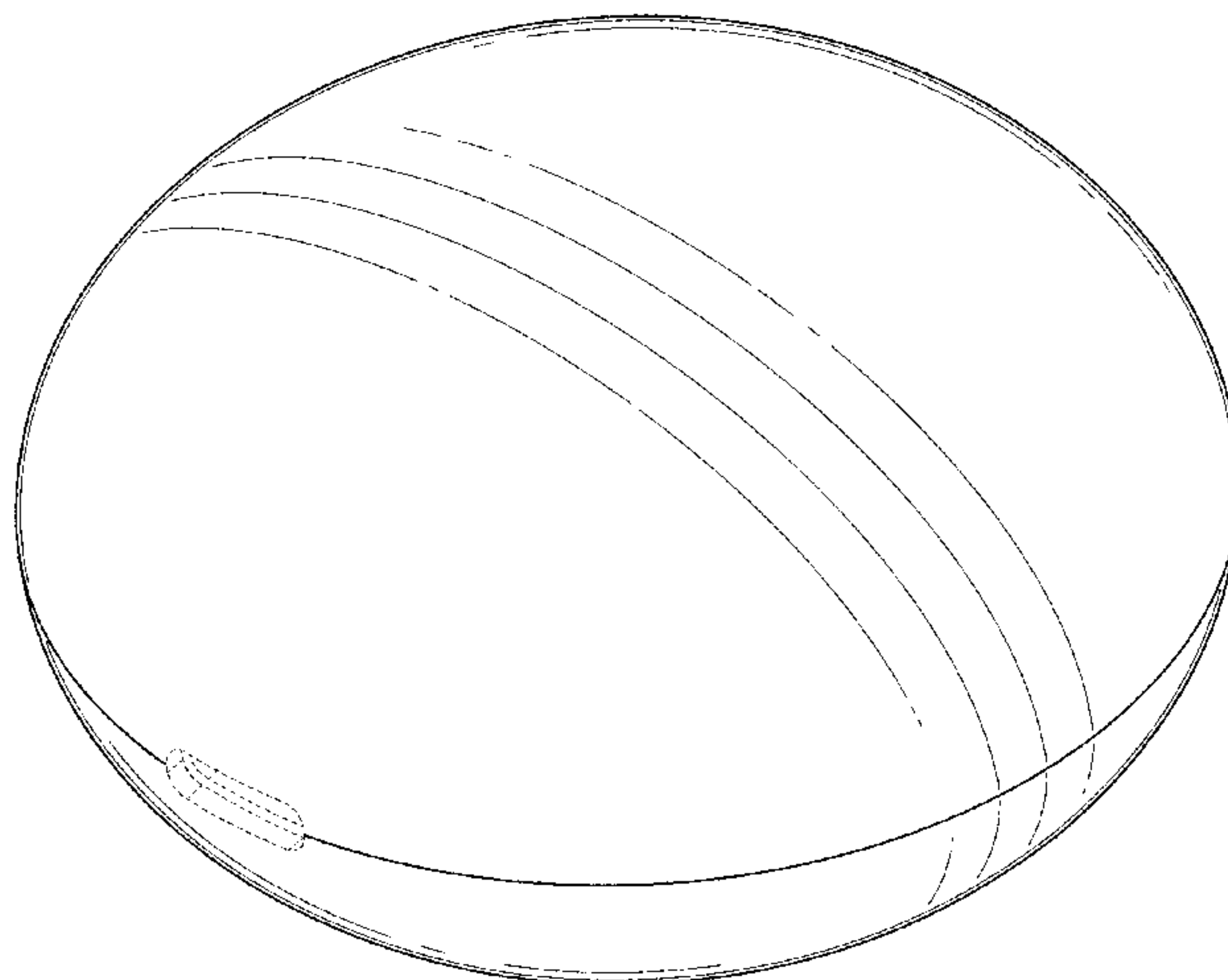
(57) **CLAIM**

We claim the ornamental design for a charger for head  
mounted audio-visual display system, as shown and  
described.

**DESCRIPTION**

FIG. 1 is a front top perspective view of a first embodiment  
thereof;  
FIG. 2 is a rear bottom perspective view of the first embodi-  
ment thereof;  
FIG. 3 is a front view of the first embodiment thereof;  
FIG. 4 is a rear view of the first embodiment thereof;  
FIG. 5 is a left side view of the first embodiment thereof;  
FIG. 6 is a right side view of the first embodiment thereof;  
FIG. 7 is a top view of the first embodiment thereof; and,  
FIG. 8 is a bottom view of the first embodiment thereof.  
The broken lines depicting portions of the charger for head  
mounted audio-visual display system are included for the  
purpose of illustrating environmental structure and form no  
part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D815,096 S \* 4/2018 Ebrahimi Afrouzi ..... D14/433  
D848,405 S \* 5/2019 Bould ..... D14/240  
D864,930 S \* 10/2019 Bould ..... D14/240  
D864,961 S \* 10/2019 Sakaguchi ..... D14/388  
D866,459 S \* 11/2019 Huang ..... D13/108  
2016/0380446 A1\* 12/2016 Loewen ..... H02J 7/0042  
320/107  
2017/0136258 A1\* 5/2017 Kim ..... H02J 7/0052  
2018/0269672 A1\* 9/2018 Ebrahimi Afrouzi .....  
H02J 7/0042

OTHER PUBLICATIONS

Response to Examiner Report for Canadian Patent Appln. No.  
182741 filed Jul. 19, 2019, (3 pgs).

Office Action for Japanese Patent Appln. No. 2018501053 dated Jul.  
23, 2019, (11 pgs).  
Office Action for Japanese Patent Appln. No. 2018501052 dated Jul.  
24, 2019, (11 pgs).  
Response to Office Action for Japanese Patent Appln. No. 2018501052  
filed Sep. 11, 2019, (1 pg).  
Response to Office Action for Japanese Patent Appln. No. 2018501053  
filed Sep. 11, 2019, (1 pg).  
Certificate of Registration for Canadian Patent No. 182741 dated  
Aug. 28, 2019, (14 pgs).  
Certificate of Registration for Canadian Patent No. 188997 dated  
Aug. 28, 2019 (14 pgs).  
Certificate of Registration for Korean Design Registration No.  
DM102409-001 dated Aug. 3, 2018, (8 pgs).  
Patent Certificate for Chinese Patent No. ZL201830428963.0 dated  
Feb. 15, 2019, (2 pgs).  
Statement of Grant Protection for EP Appln. No. 97007157 dated  
Apr. 11, 2019.

\* cited by examiner

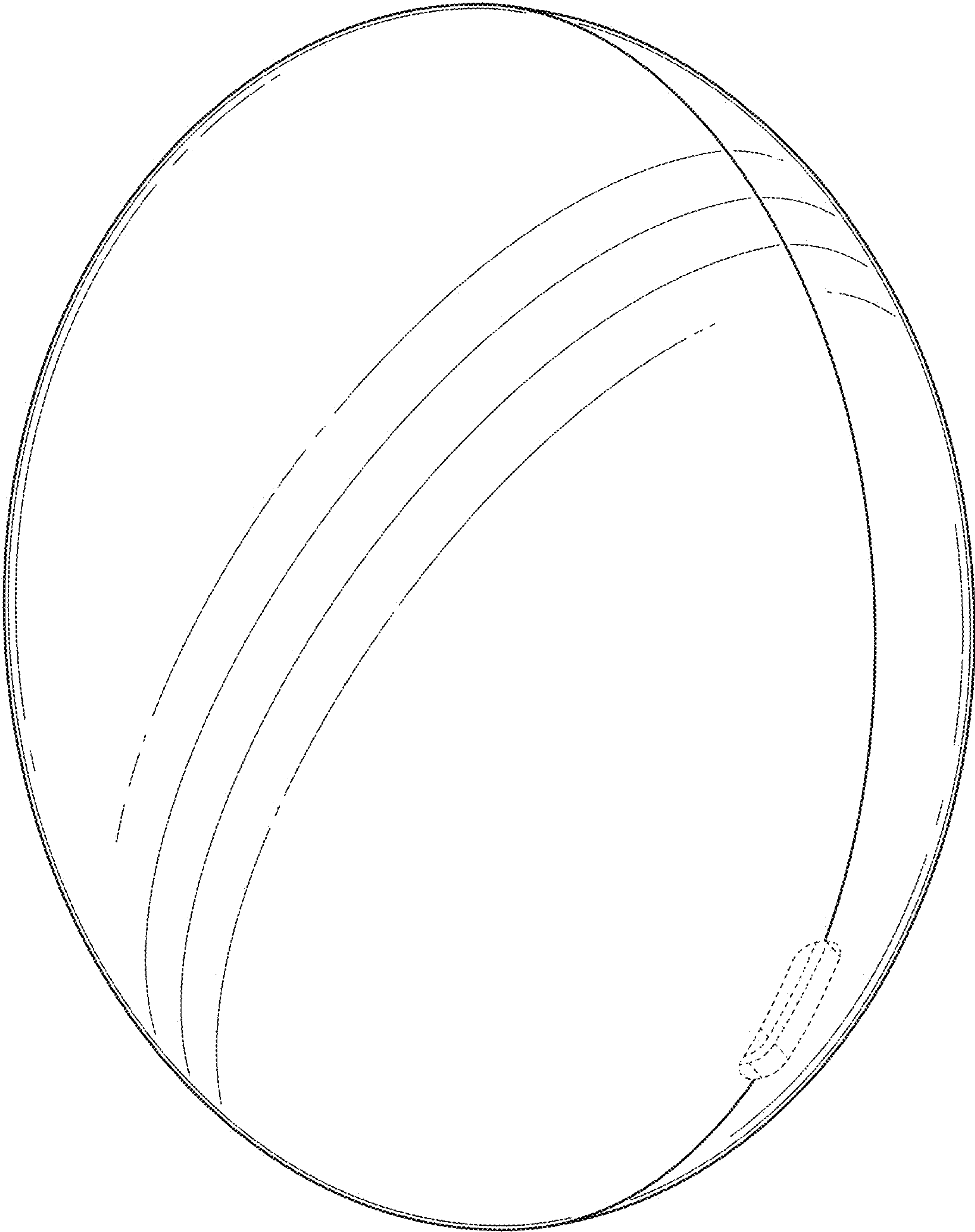


FIG. 1

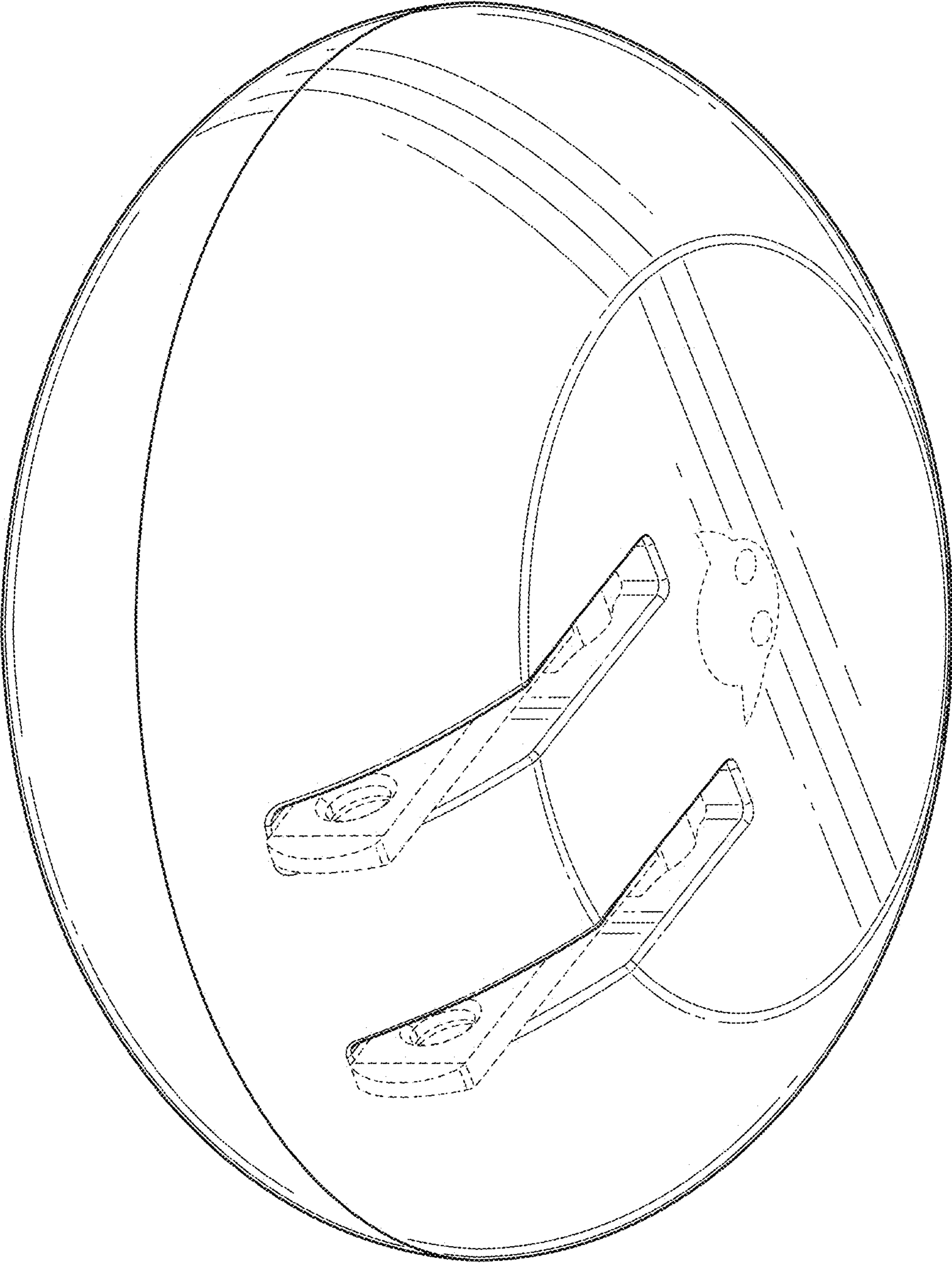


FIG. 2



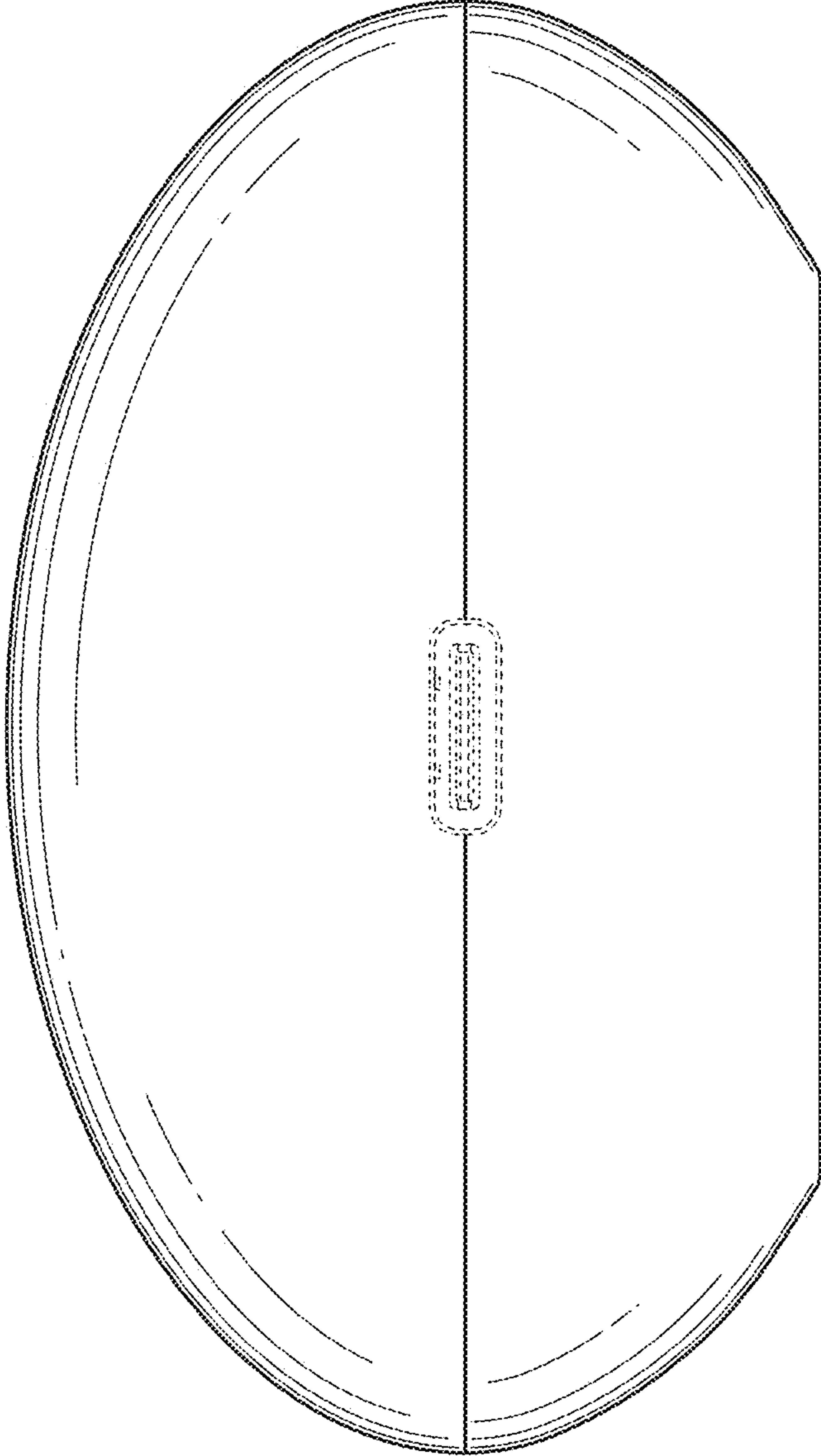


FIG. 3

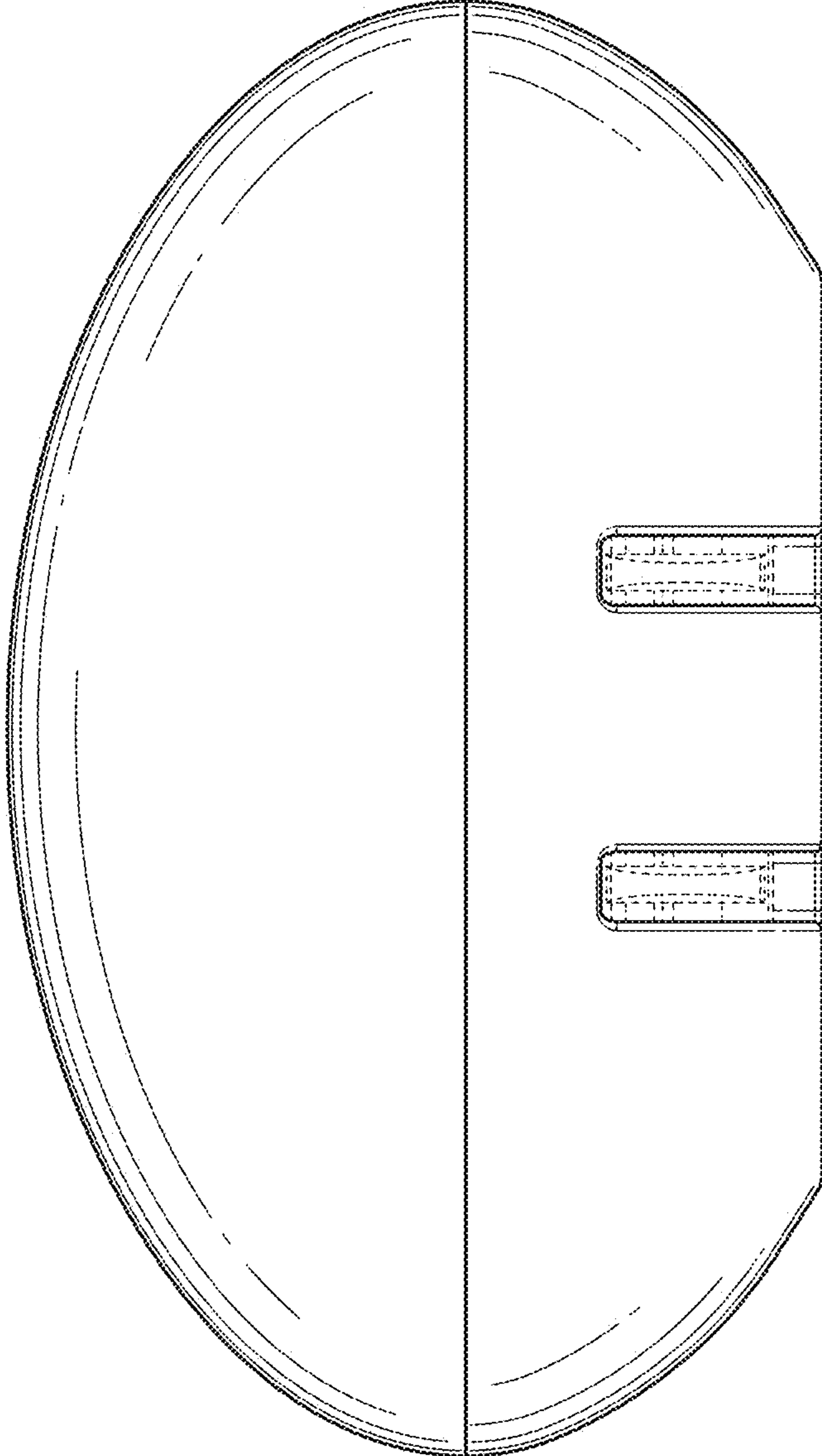


FIG. 4

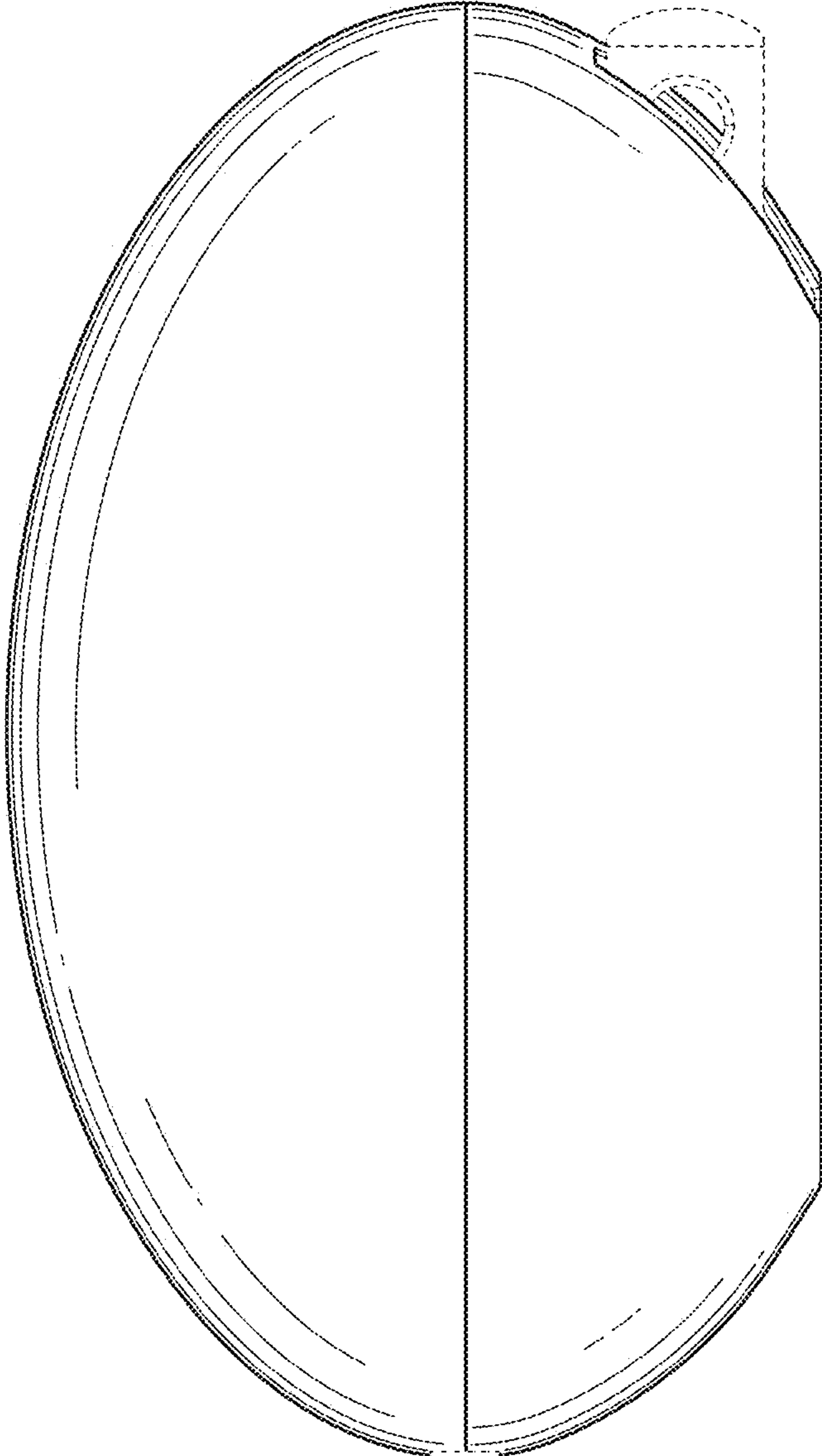


FIG. 5

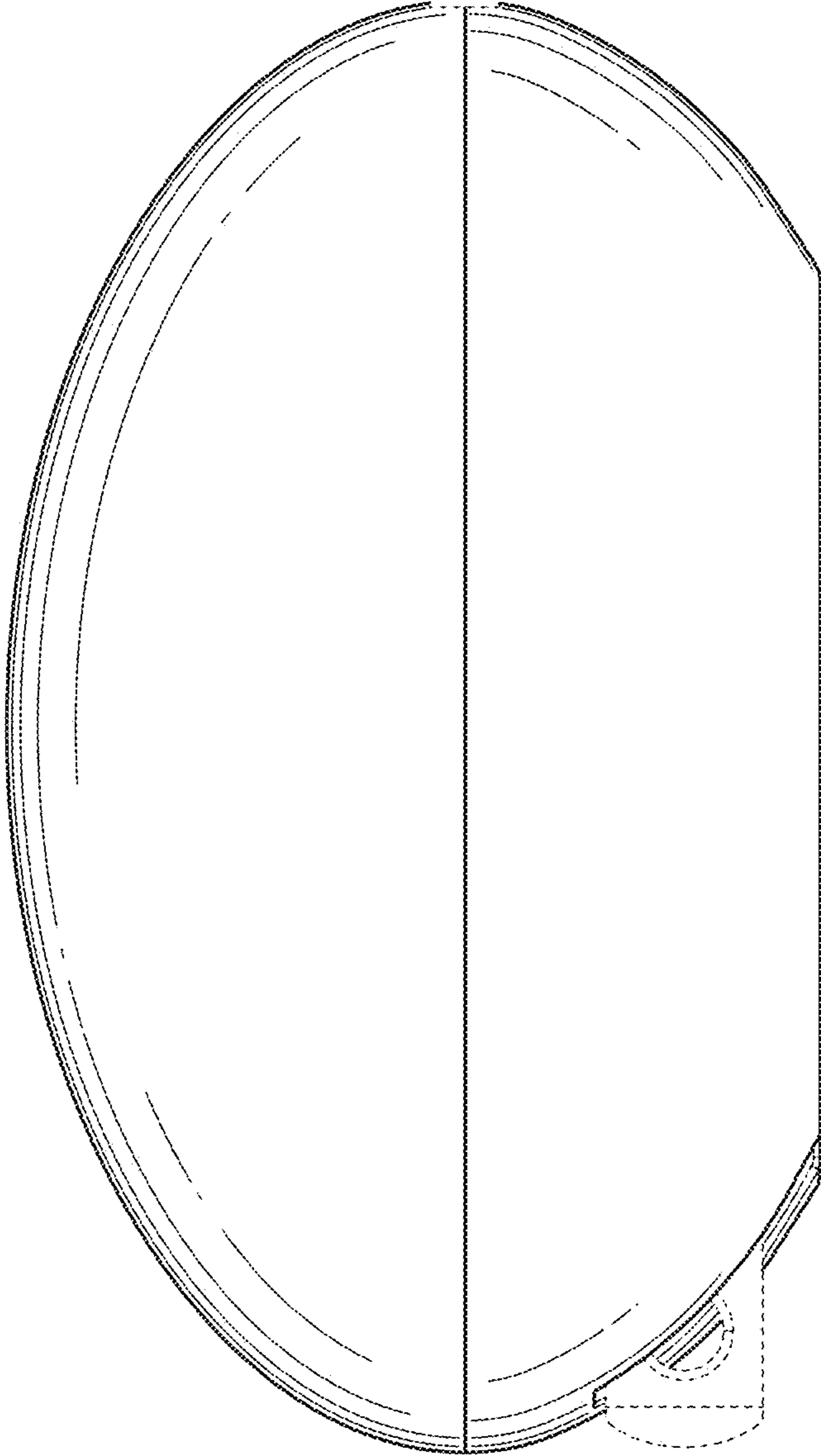


FIG. 6



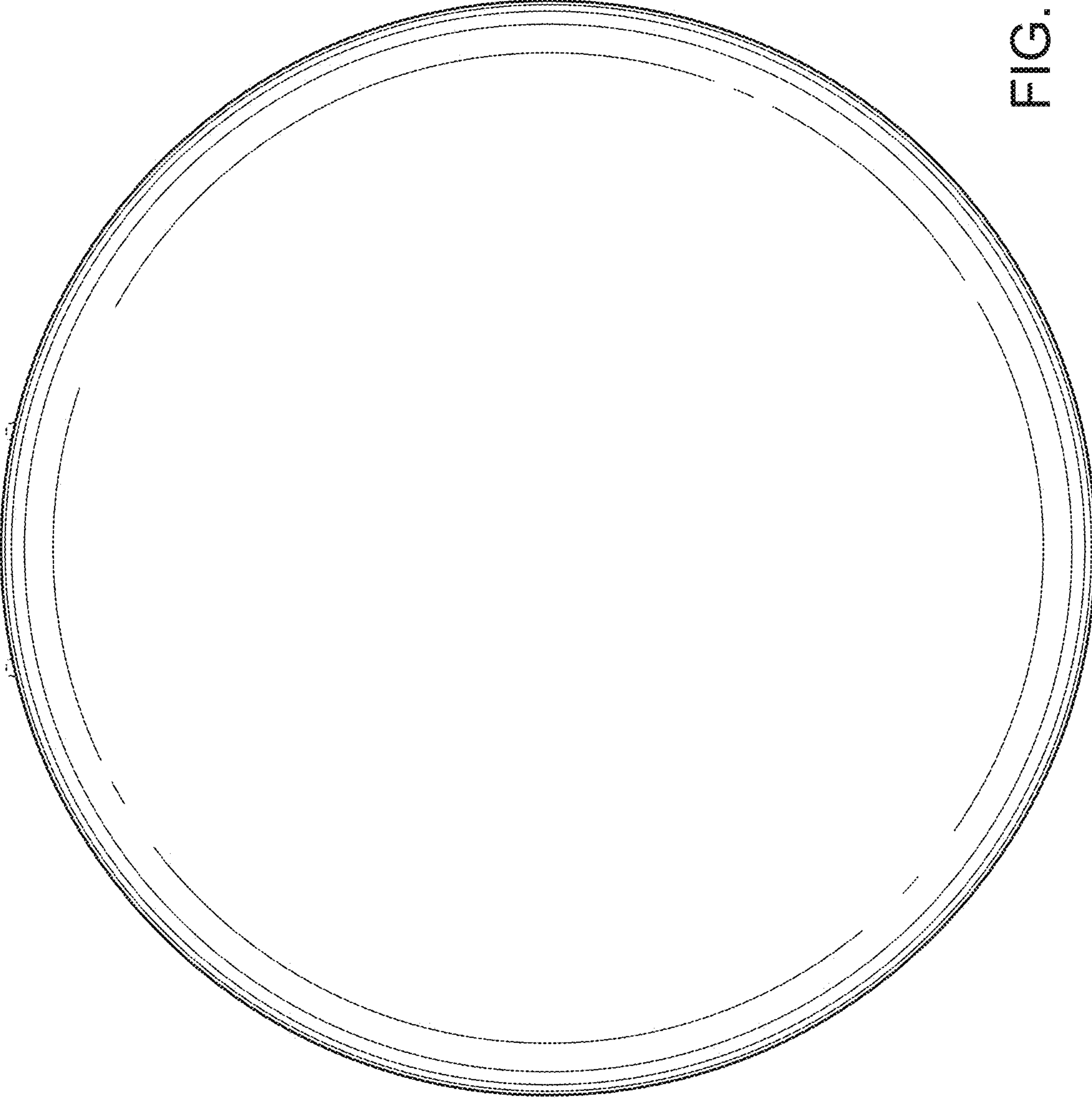


FIG. 7

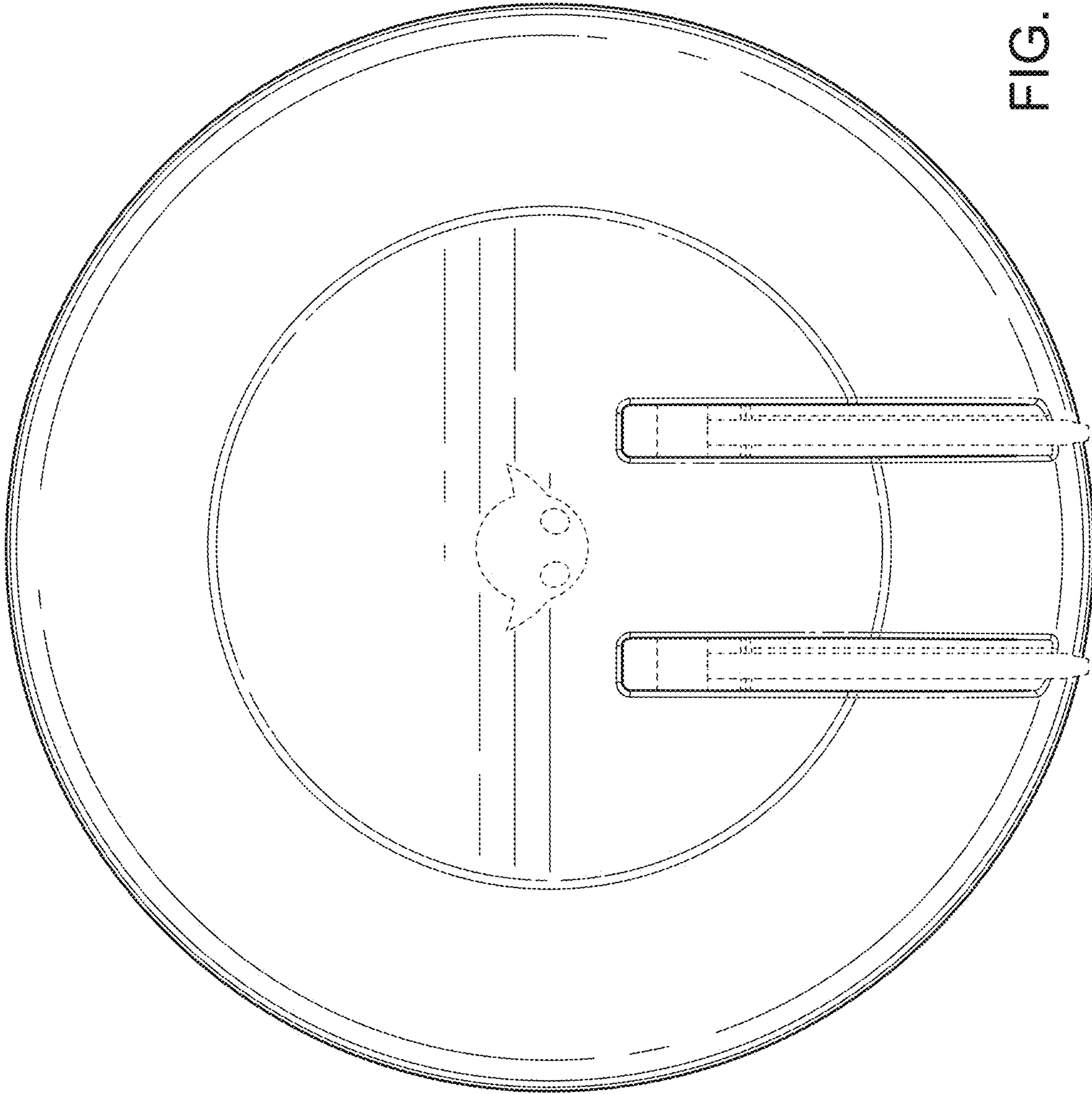


FIG. 8