



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**

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(**) 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)

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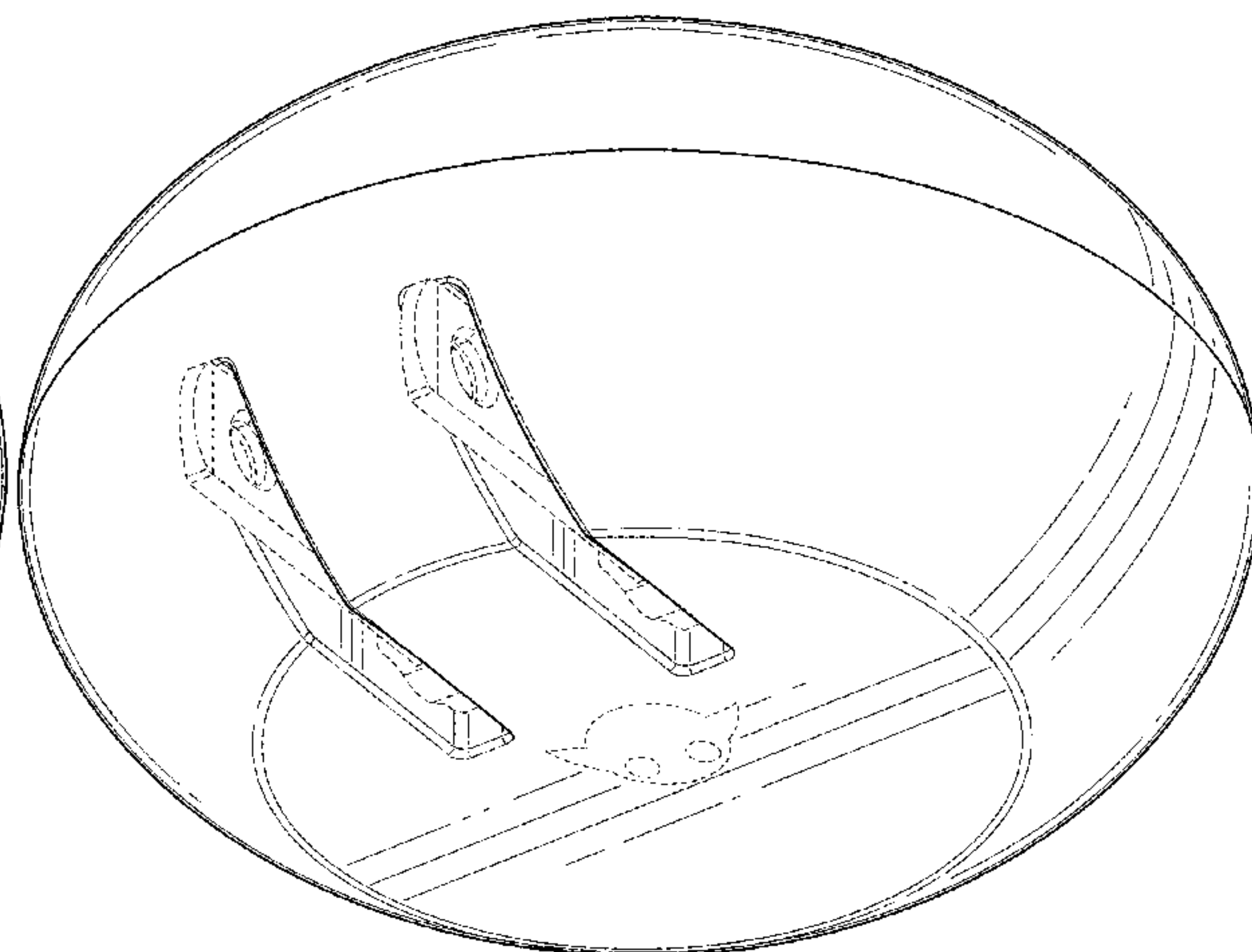
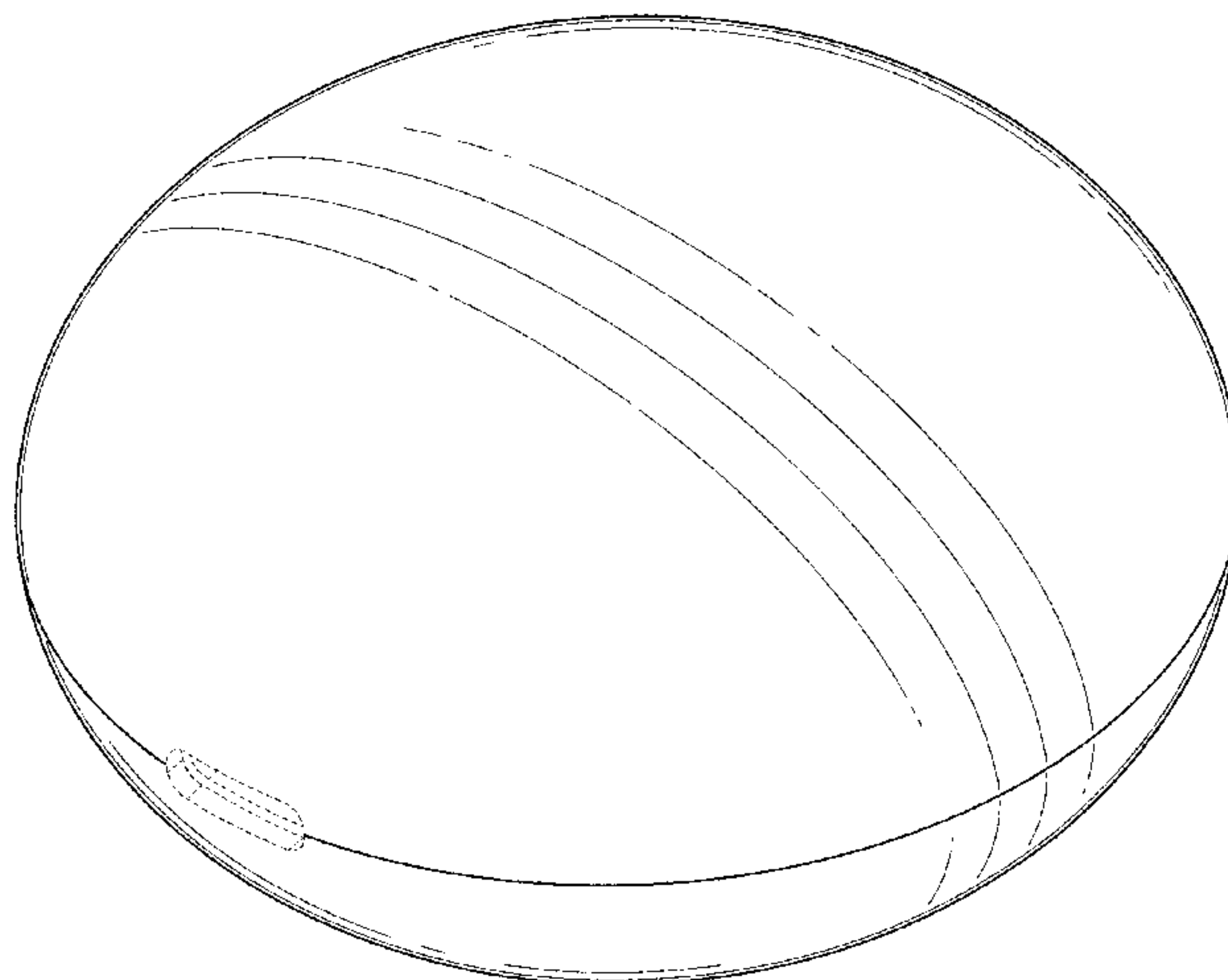
(57) **CLAIM**

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

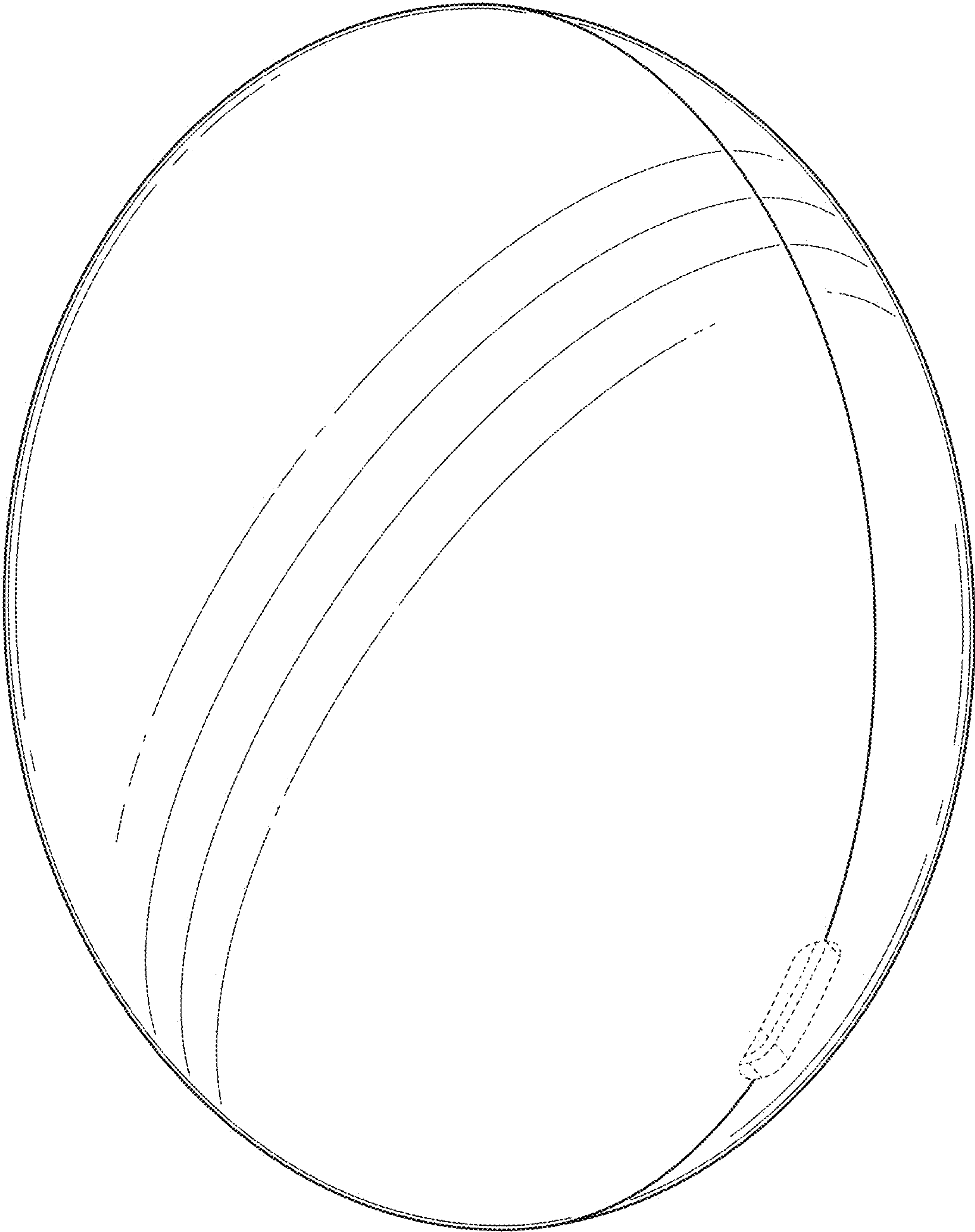


FIG. 1

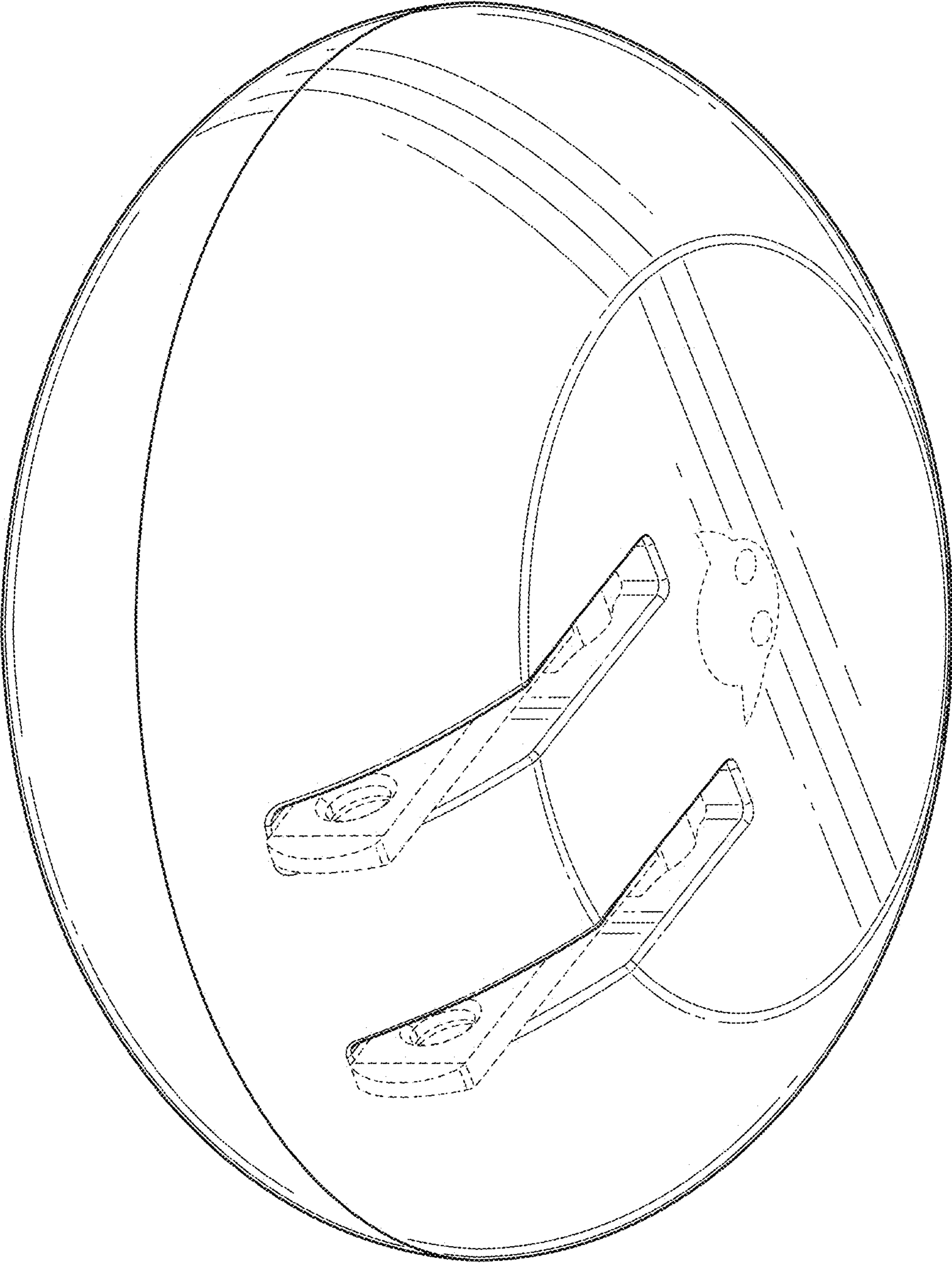


FIG. 2

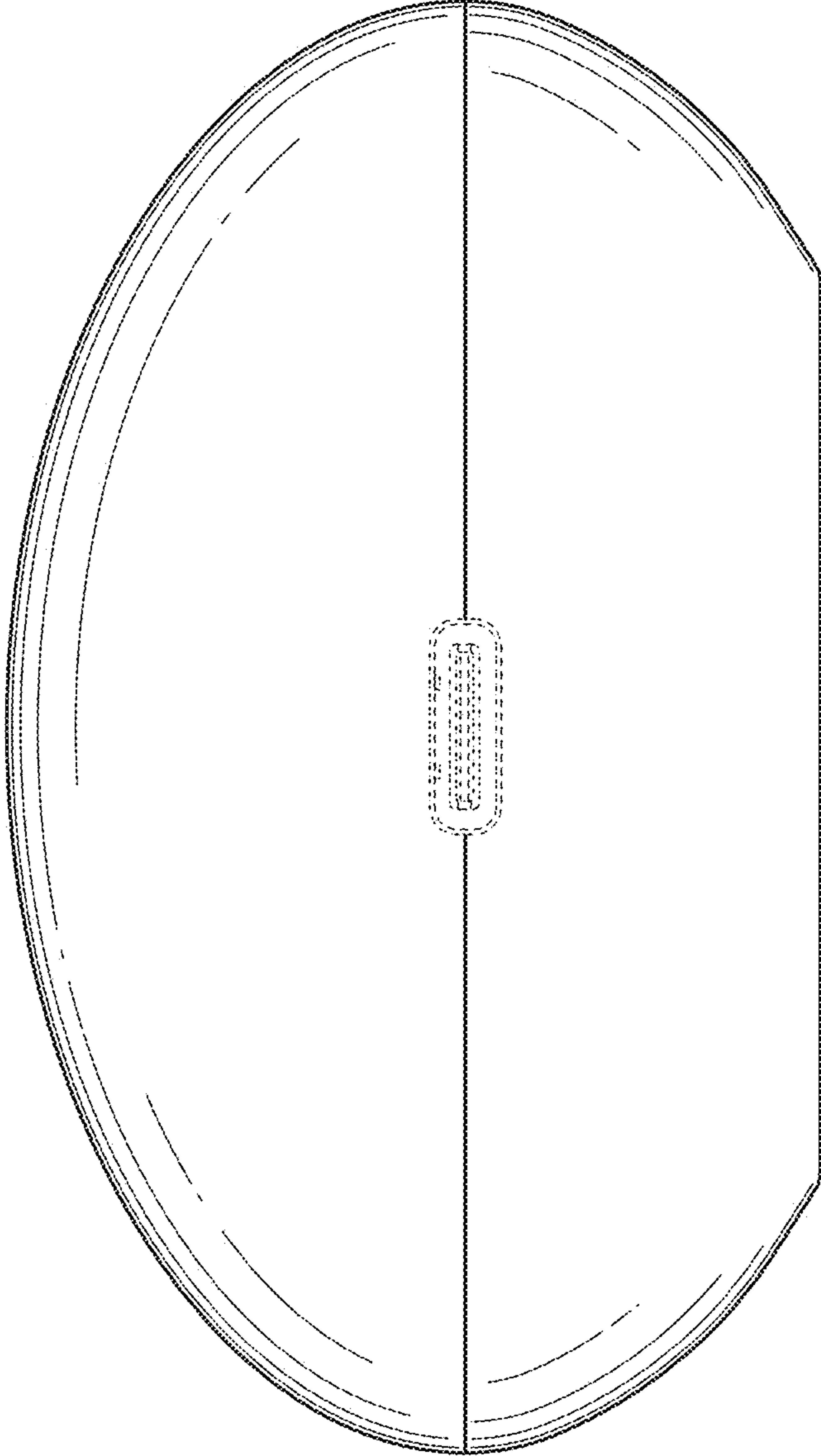


FIG. 3

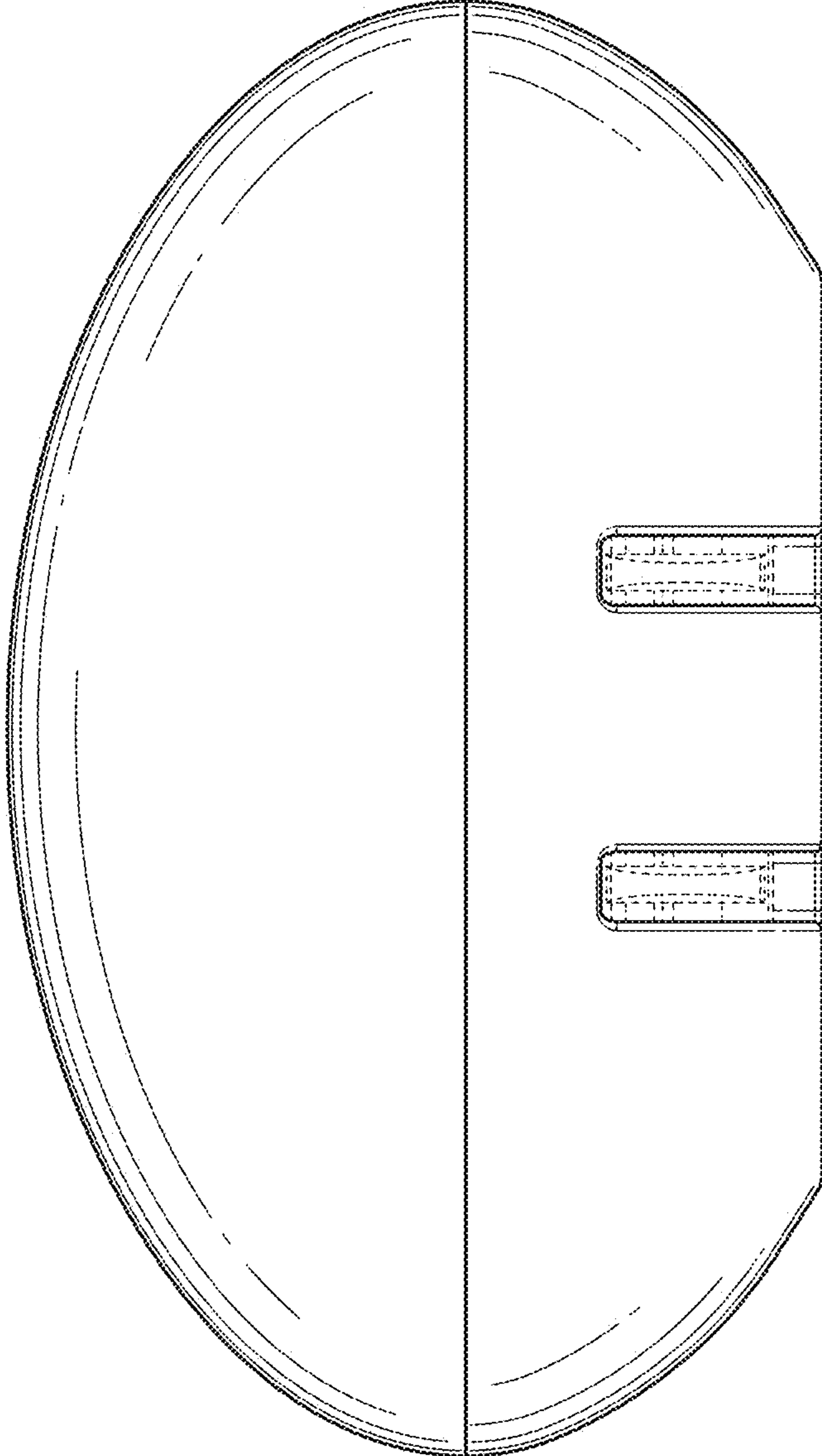


FIG. 4

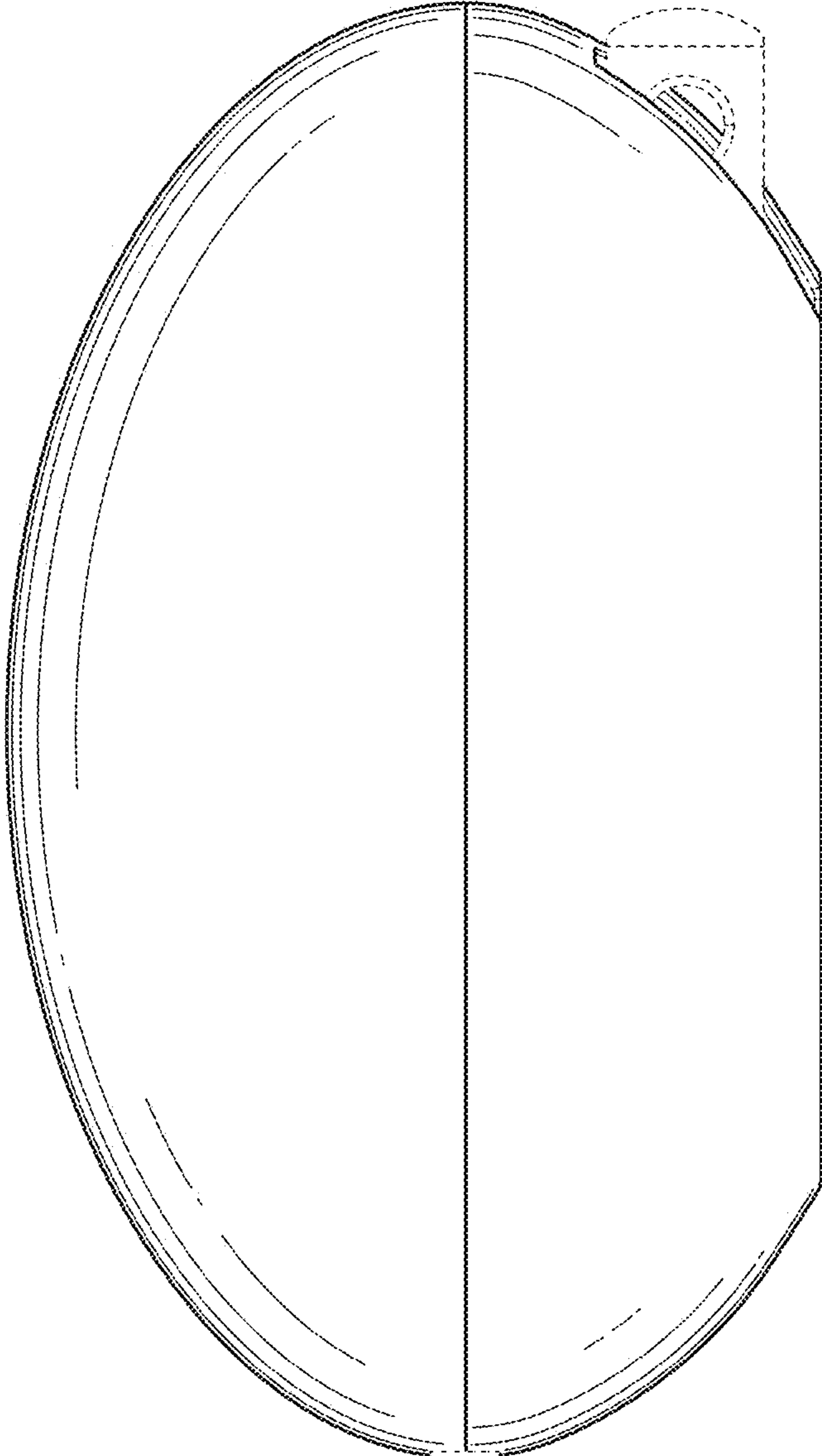


FIG. 5

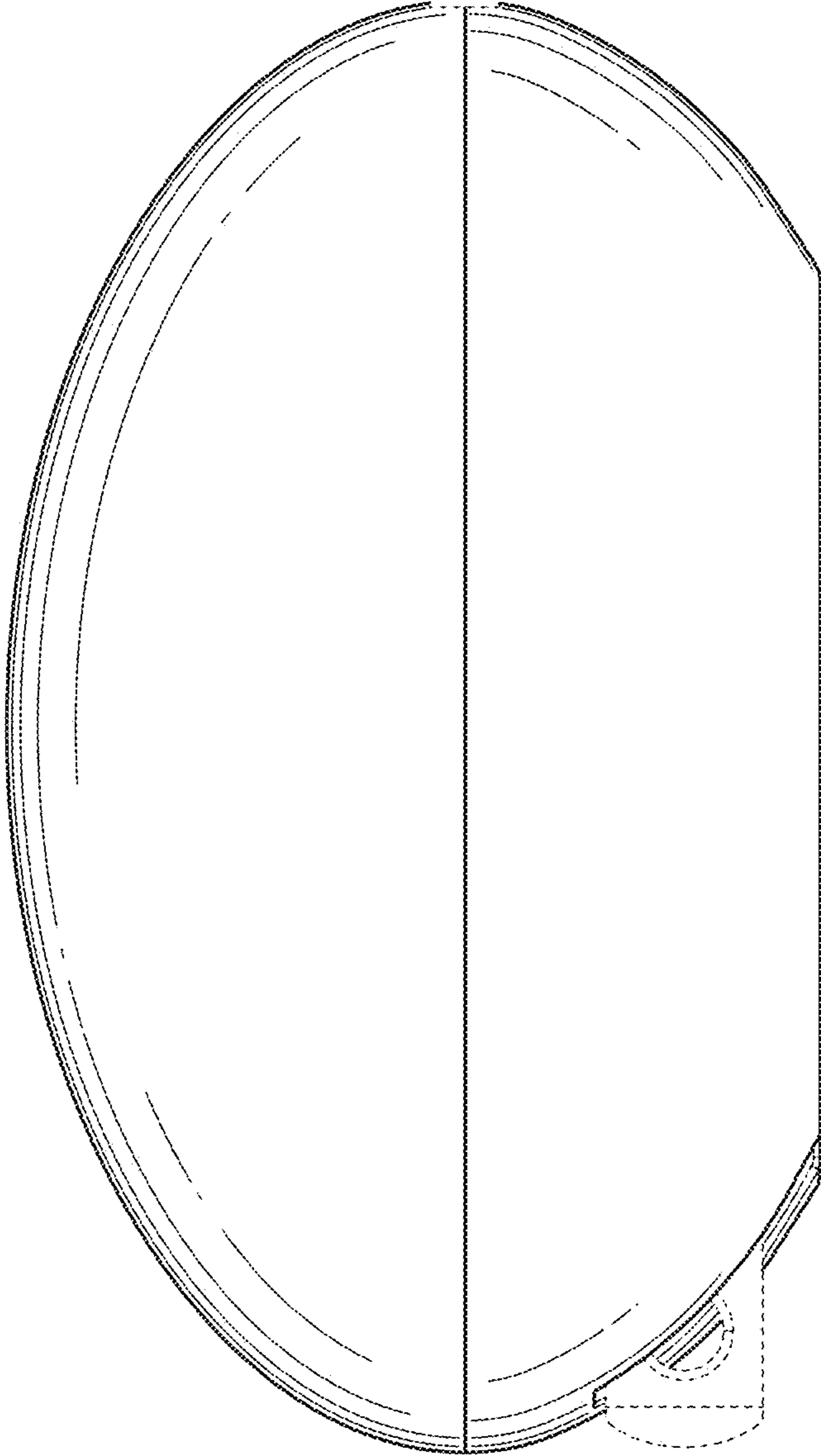


FIG. 6

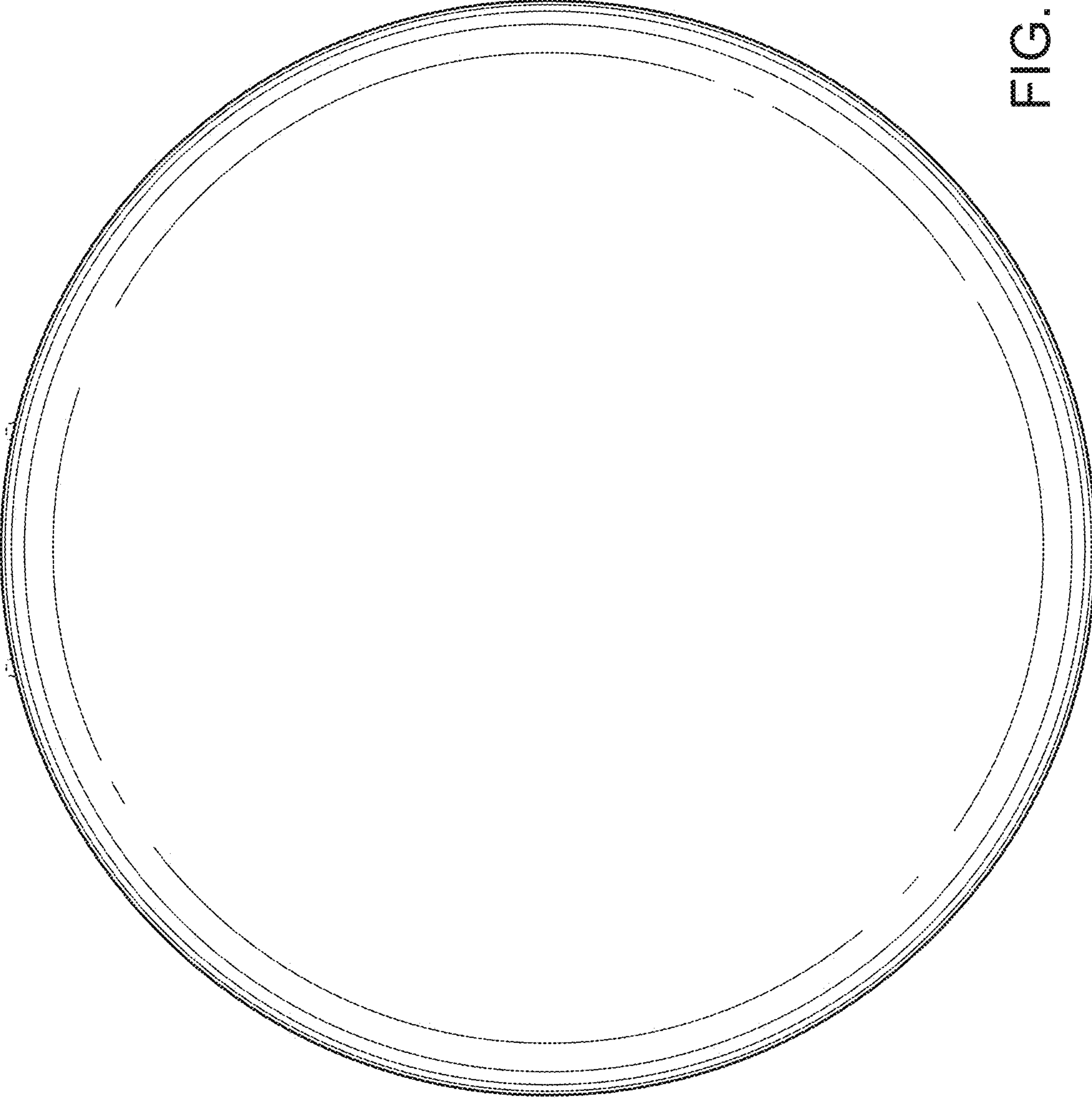


FIG. 7

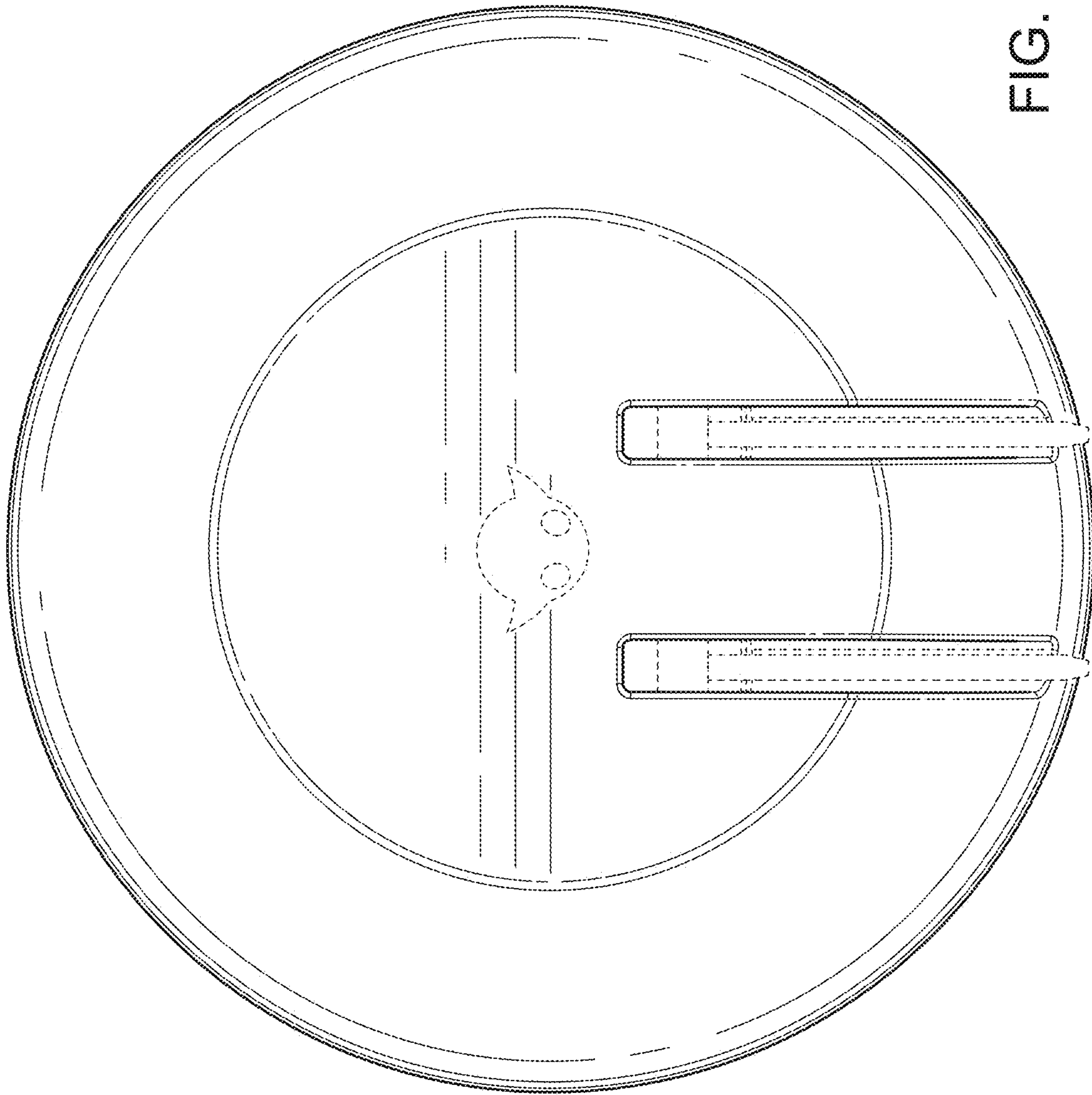


FIG. 8