



US00D854890S

(12) **United States Design Patent**
Shuntich

(10) **Patent No.:** **US D854,890 S**
(45) **Date of Patent:** **** Jul. 30, 2019**

(54) **SUPERCOOLED BEVERAGE
CRYSTALLIZATION SLUSH DEVICE WITH
ILLUMINATION**

FOREIGN PATENT DOCUMENTS

GB 2391219 2/2004
JP 0898675 4/1996

(71) Applicant: **Supercooler Technologies, Inc.**,
Maitland, FL (US)

(Continued)

(72) Inventor: **Douglas Shuntich**, Maitland, FL (US)

OTHER PUBLICATIONS

(73) Assignee: **Supercooler Technologies, Inc.**,
Maitland, FL (US)

Shields, New Refrigeration Tech Cools Drink in 45 seconds, Food
& Drink International, 2014, www.fdiforum.net, 3 pages.

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

(Continued)

(21) Appl. No.: **29/646,208**

Primary Examiner — Marianne N Pandozzi

(22) Filed: **May 2, 2018**

(74) *Attorney, Agent, or Firm* — Brian S. Steinberger;
Law Offices of Brian S. Steinberger, P.A.

Related U.S. Application Data

(57) **CLAIM**

(62) Division of application No. 29/593,780, filed on Feb.
13, 2017, now Pat. No. Des. 837,612, which is a
(Continued)

The ornamental design for a supercooled beverage crystal-
lization slush device with illumination, as shown and
described.

(51) **LOC (11) Cl.** **07-02**

DESCRIPTION

(52) **U.S. Cl.**
USPC **D7/619.1; D7/300; D7/396.2**

(58) **Field of Classification Search**
USPC D7/300, 309–311, 306–308, 305, 397,
D7/387, 388, 399, 355, 362, 365, 367,
D7/619.1, 624.1, 396.2; 222/146.6,
222/185.1, 135, 129.3, 129.1; 99/295,
99/273, 304, 288, 279, 307, 283, 318,
99/300, 275; D21/371, 370; 362/101;
62/457.4

FIG. 1 is an upper front left perspective view of the novel
supercooled beverage crystallization slush device with illu-
mination;
FIG. 2 is an upper front right perspective view of the slush
device of FIG. 1;
FIG. 3 is an upper rear left perspective view of the slush
device of FIG. 1;
FIG. 4 is an upper rear right perspective view of the slush
device of FIG. 1;
FIG. 5 is a front view of the slush device of FIG. 1;
FIG. 6 is a rear view of the slush device of FIG. 1;
FIG. 7 is a left side view of the slush device of FIG. 1;
FIG. 8 is a right side view of the slush device of FIG. 1;
FIG. 9 is a top view of the slush device of FIG. 1; and,
FIG. 10 is a bottom view of the slush device of FIG. 1.

(Continued)

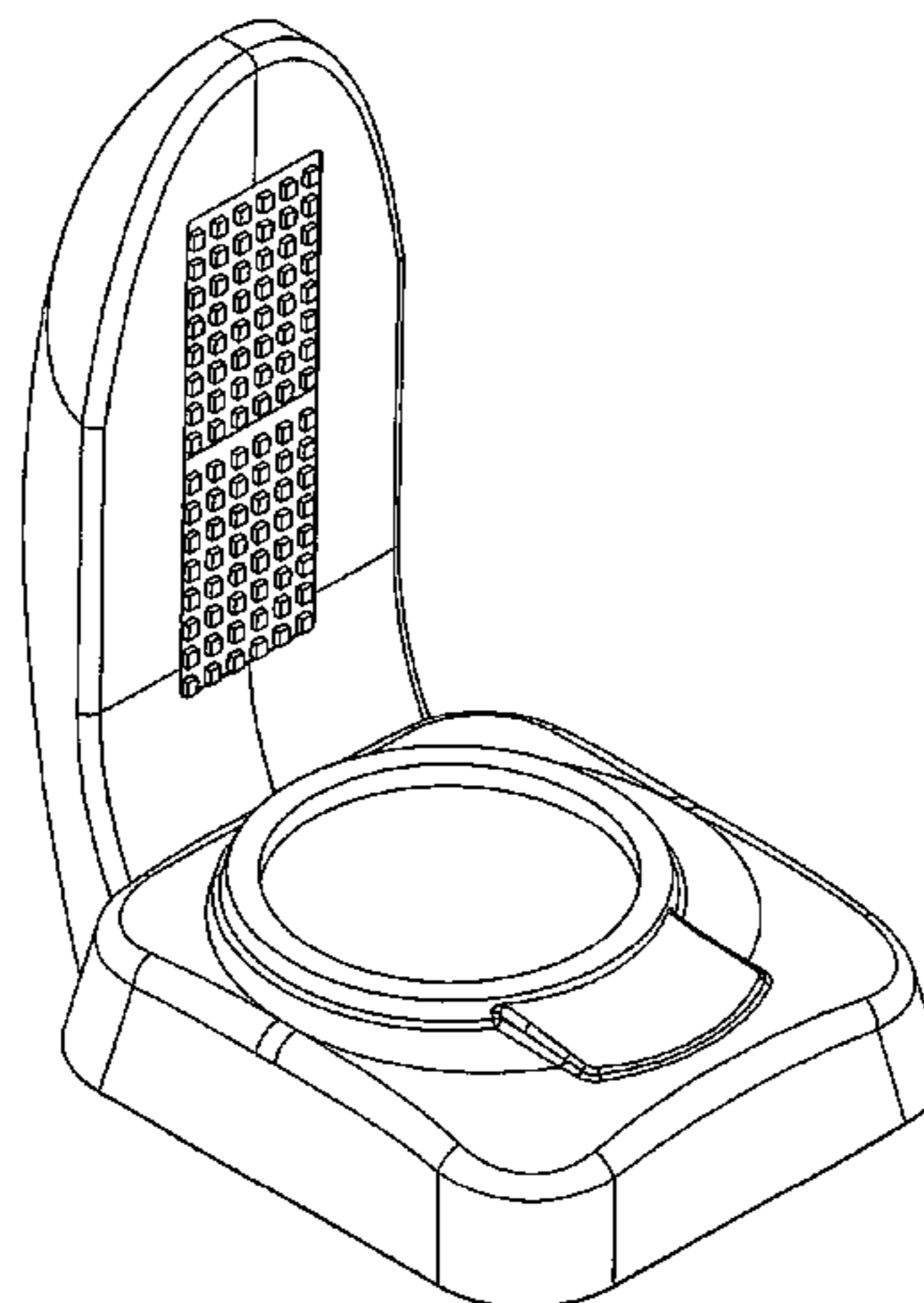
(56) **References Cited**

U.S. PATENT DOCUMENTS

136,632 A 3/1873 Whipple
714,415 A 11/1902 Trafford

(Continued)

1 Claim, 10 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2008/0302114 A1 12/2008 Kelly et al.
 2009/0314012 A1 12/2009 Lim
 2010/0058776 A1* 3/2010 Loibl F25D 31/007
 62/3.3
 2010/0133290 A1 6/2010 Luntz et al.
 2010/0154452 A1 6/2010 McCann
 2010/0162747 A1 7/2010 Hamel et al.
 2010/0205986 A1 8/2010 Chung et al.
 2010/0218510 A1 9/2010 Kim
 2010/0218514 A1 9/2010 Bertolini et al.
 2010/0218542 A1 9/2010 McCollough et al.
 2010/0293970 A1 11/2010 Mooijer et al.
 2011/0219805 A1 9/2011 Youn
 2011/0308264 A1 12/2011 Youn
 2012/0047922 A1 3/2012 Lee et al.
 2012/0085116 A1 4/2012 Maeng et al.
 2012/0106130 A1 5/2012 Beaudette
 2012/0137720 A1 6/2012 Ueda et al.
 2012/0266619 A1 10/2012 Shaw
 2013/0015753 A1 1/2013 Son et al.
 2013/0055744 A1 3/2013 Travers
 2013/0160987 A1 6/2013 Grigorian
 2013/0167582 A1 7/2013 Jones
 2013/0171920 A1 7/2013 Bhattacharya
 2013/0180280 A1 7/2013 Grigorian
 2013/0196044 A1 8/2013 Winston
 2013/0205809 A1 8/2013 Beni et al.
 2013/0241386 A1 9/2013 Kim et al.
 2013/0255304 A1 10/2013 Cur et al.
 2013/0305752 A1 11/2013 Martin
 2014/0123690 A1 5/2014 Hanley et al.
 2014/0125212 A1 5/2014 Choo et al.
 2014/0125577 A1 5/2014 Hoang
 2014/0216096 A1 8/2014 Leclear et al.
 2014/0346942 A1 11/2014 Kim et al.
 2014/0373567 A1 12/2014 Otsuki et al.
 2014/0375198 A1 12/2014 Jeon et al.
 2015/0059398 A1 3/2015 Yoo et al.
 2015/0068235 A1 3/2015 Travers
 2015/0102717 A1 4/2015 Furr et al.
 2015/0102718 A1 4/2015 Liu et al.
 2015/0112451 A1 4/2015 Dechev
 2015/0128483 A1 5/2015 Krupp et al.
 2015/0264968 A1* 9/2015 Shuntich A23G 9/045
 99/275

2016/0131421 A1* 5/2016 Bogaard F25D 3/08
 62/457.4
 2016/0209098 A1 7/2016 Kim
 2017/0353327 A1 12/2017 Doberstein et al.

FOREIGN PATENT DOCUMENTS

JP 2012153614 11/2012
 KR 1020080088944 10/2008
 KR 1020100018887 2/2010
 WO 0049347 8/2000
 WO 2010042662 4/2010

OTHER PUBLICATIONS

Ultrasonic Degassing and Defoaming of Liquids, Hielscher—
 Ultrasound Technology, 2015, 4 pages.
 Shuntich, D.J., PCT Serial No. PCT/US14/47214 filed Jul. 18, 2014,
 International Search Report and Written Opinion, dated Nov. 20,
 2014, 18 pages.
 Shuntich, Supercooler Technologies, Inc., PCT Application No.
 PCT/US2015/034418 filed Jun. 5, 2015, Notification of Transmittal
 of the International Search Report and the Written Opinion of the
 International Searching Authority, or the Declaration dated Sep. 14,
 2015, 15 pages.
 Shuntich, D.J., PCT Serial No. PCT/US14/47214, filed Aug. 4,
 2016, Notification Concerning Transmittal of the International
 Preliminary Report on Patent Ability (Chapter 1 of the Patent
 Cooperation Treaty) (PCT Rule 44bis.1 (c)), dated Aug. 4, 2016, 7
 pages.
 Shuntich, D.J., PCT Serial No. PCT/US2015/034418, filed Jun. 5,
 2015, Notification Concerning Transmittal of International Prelimi-
 nary Report on Patentability (Chapter I of the Patent Cooperation
 Treaty) (PCT Rule 44bis.1copyright), dated Dec. 15, 2016, 11
 pages.
 Shuntich, D.J., PCT Serial No. PCT/US2014047214, filed Aug. 19,
 2016, The partial supplementary European search report, dated Aug.
 18, 2017, 15 pages.
 Supercooler Technologies, Inc., European Serial No. 15803479.3
 filed Mar. 17, 2017, European Supplementary Search Report dated
 Apr. 4, 2017, 7 pages.
 Shuntich, D.J., U.S. Appl. No. 14/564,330, filed Dec. 9, 2014, Office
 Action Summary dated Apr. 13, 2018, 33 pages.
 Shuntich, Utility U.S. Appl. No. 14/552,448, filed Nov. 24, 2014,
 Office Action Summary dated Feb. 8, 2018, 46 pages.

* cited by examiner

FIG. 1

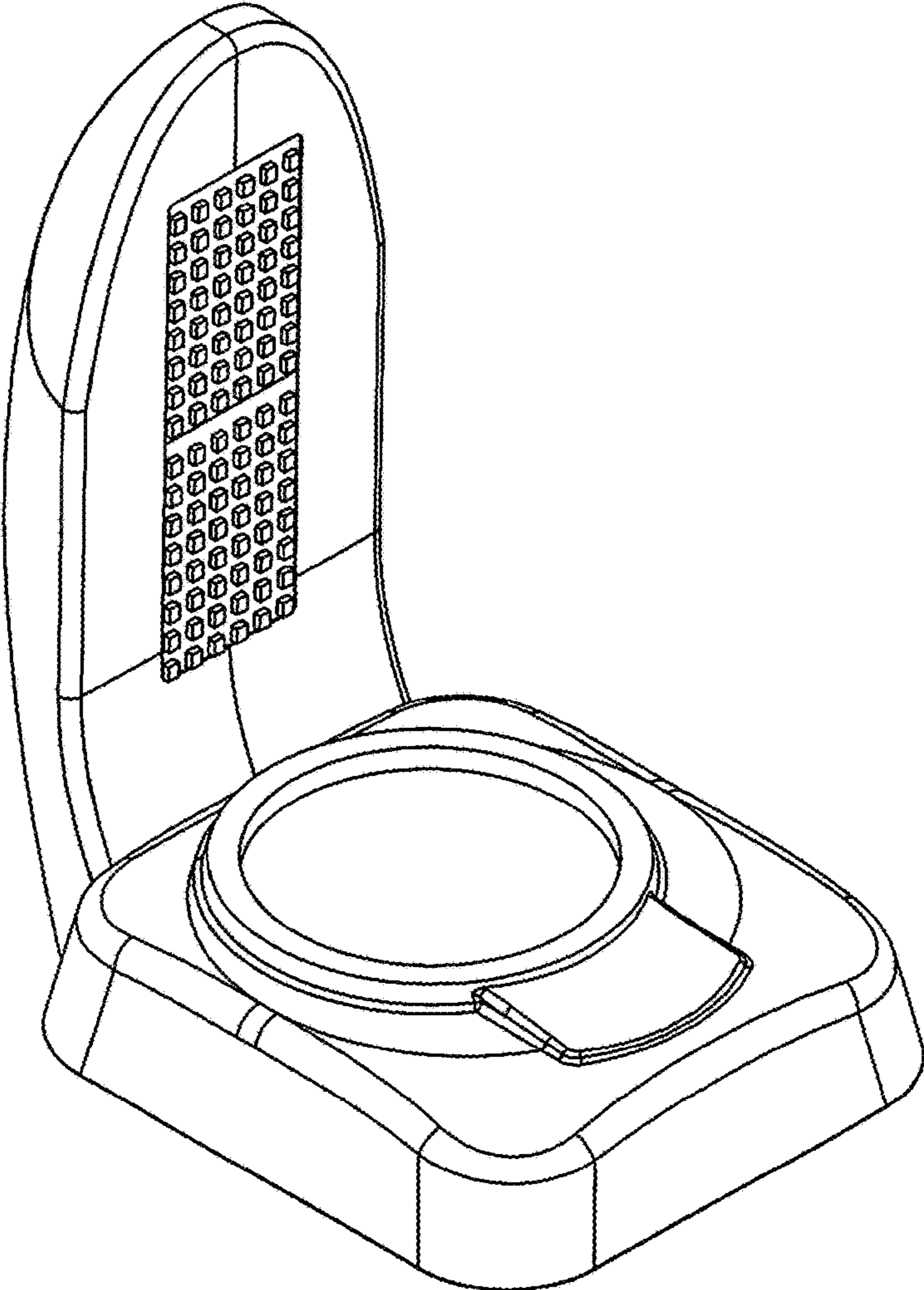


FIG. 2

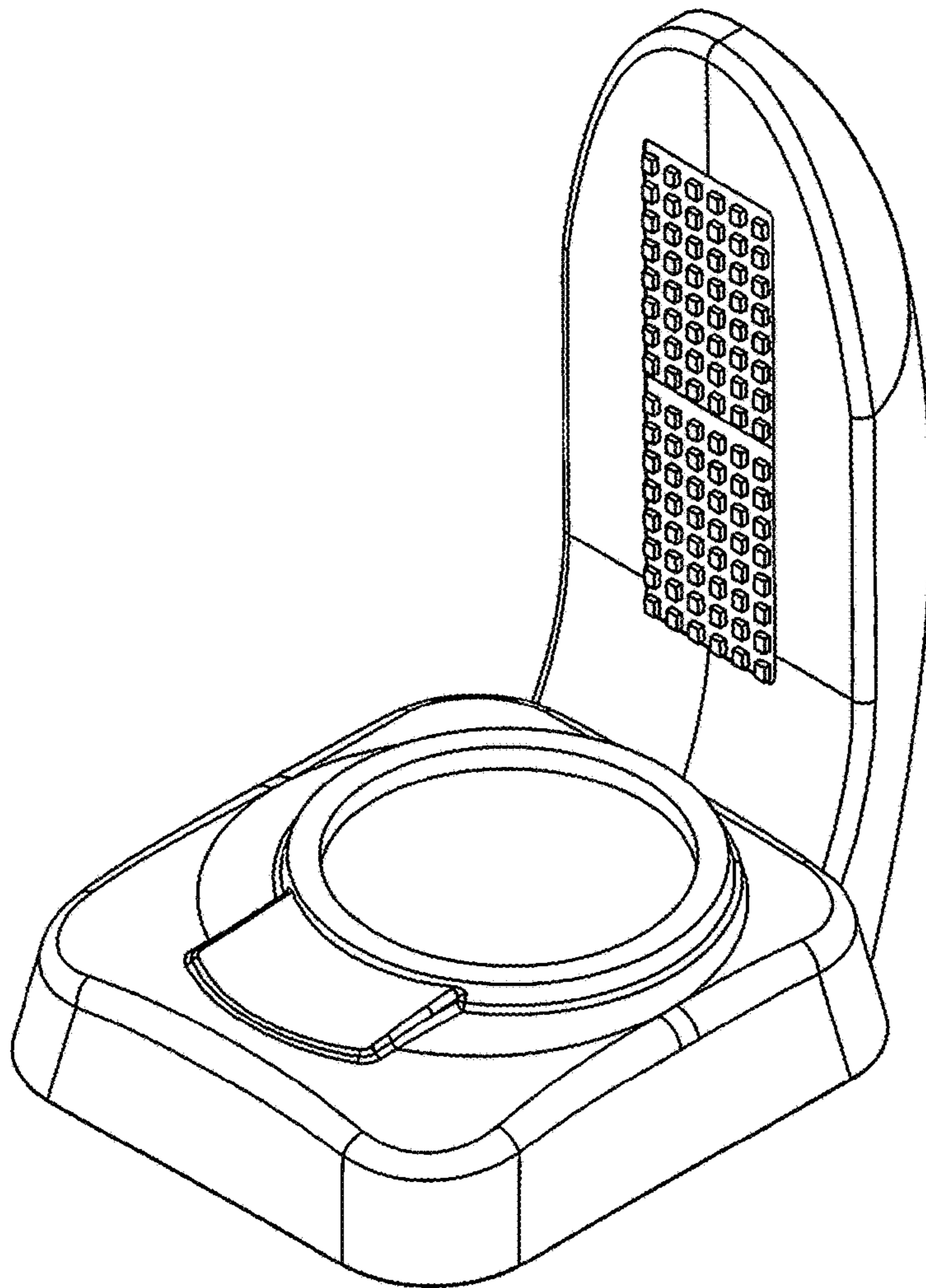


FIG. 3

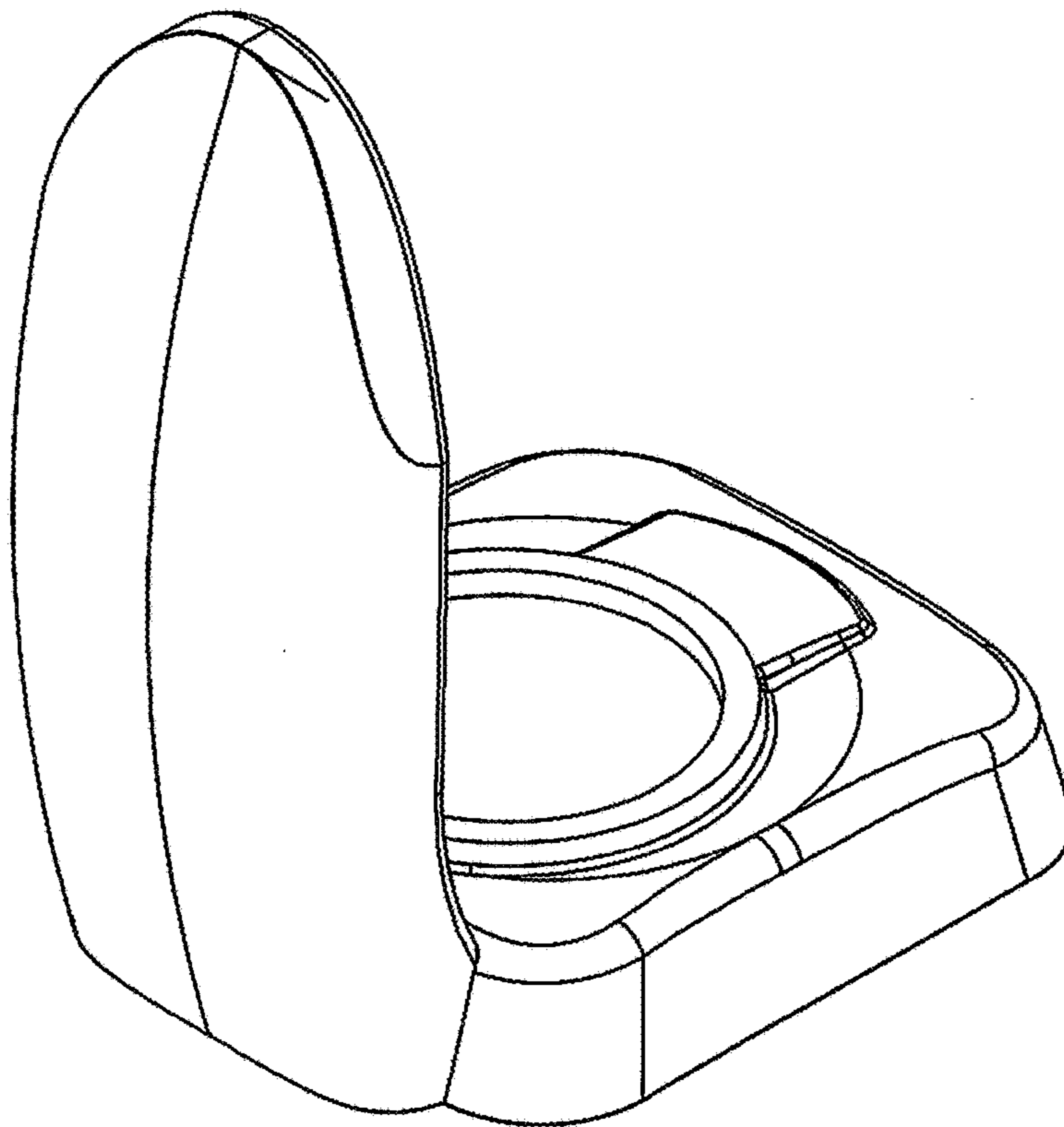


FIG. 4

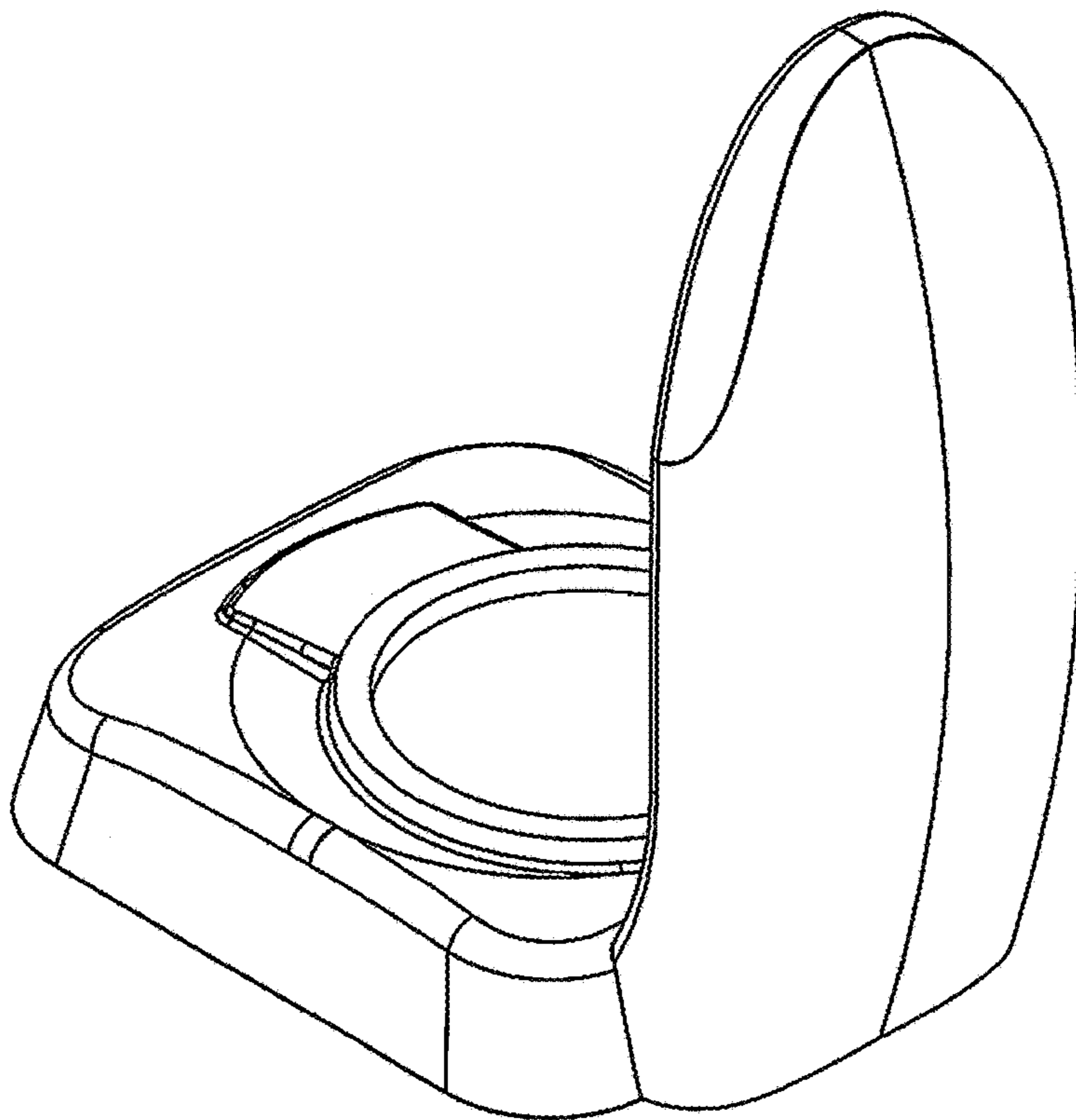


FIG. 5

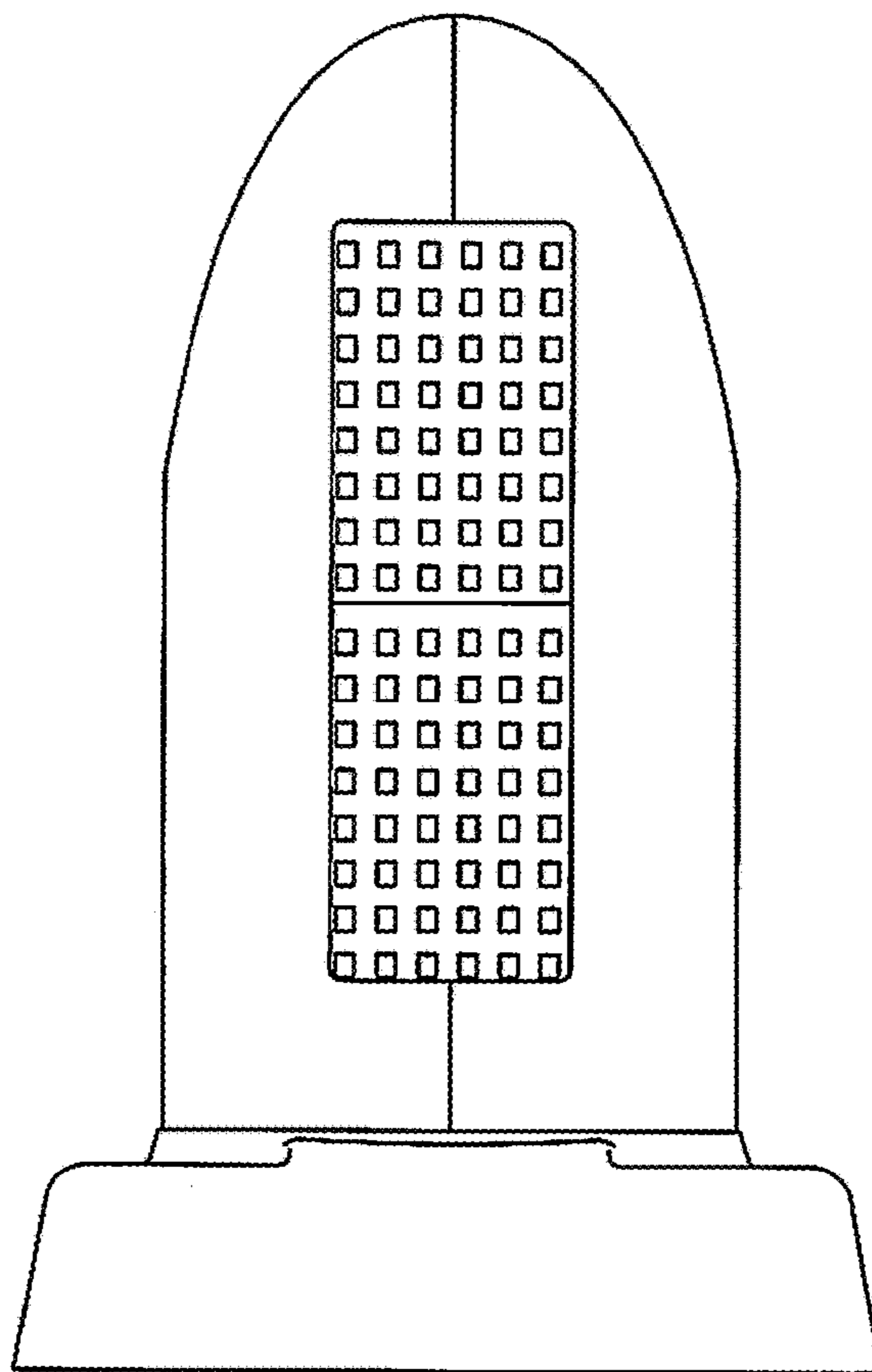


FIG. 6

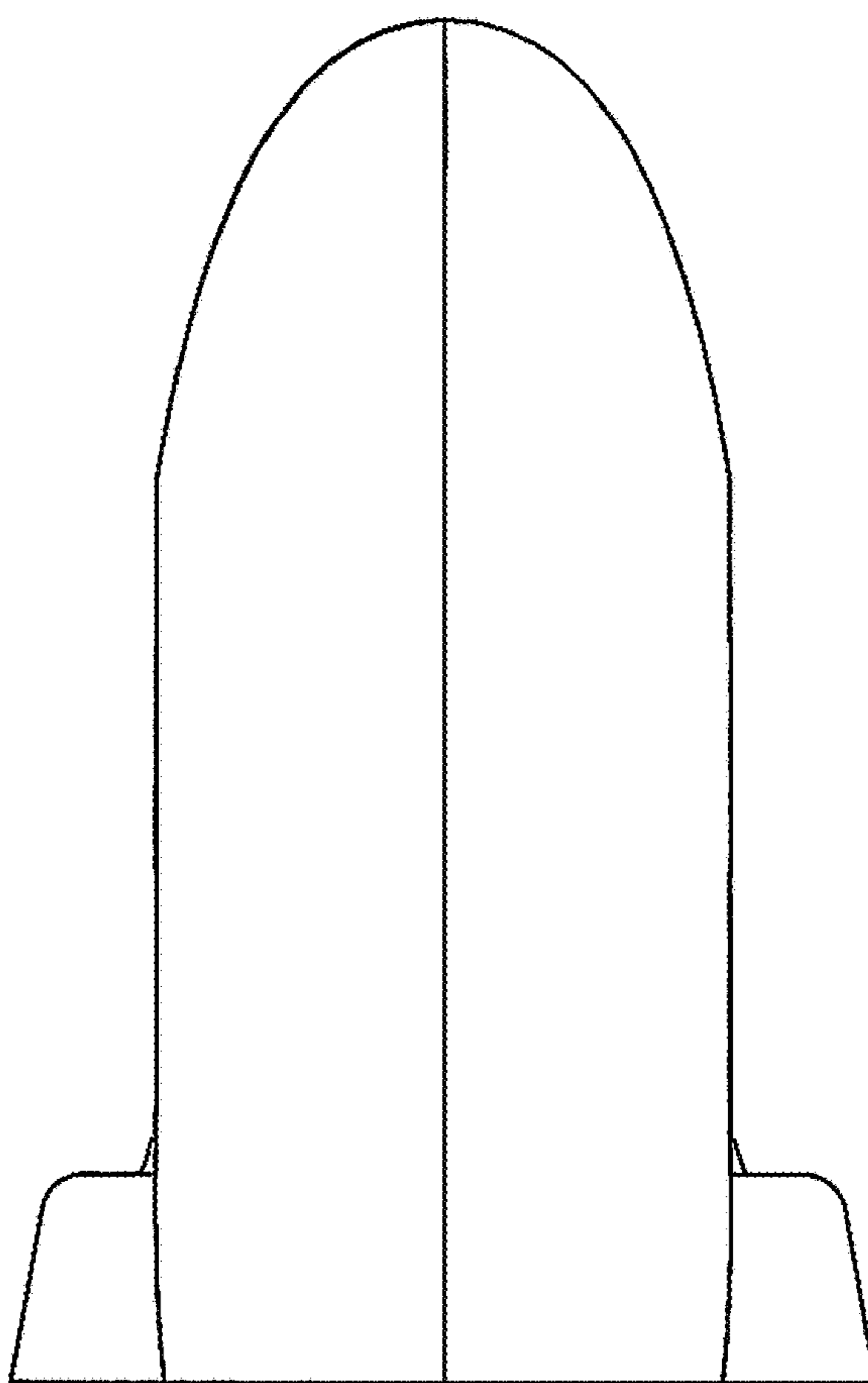


FIG. 7

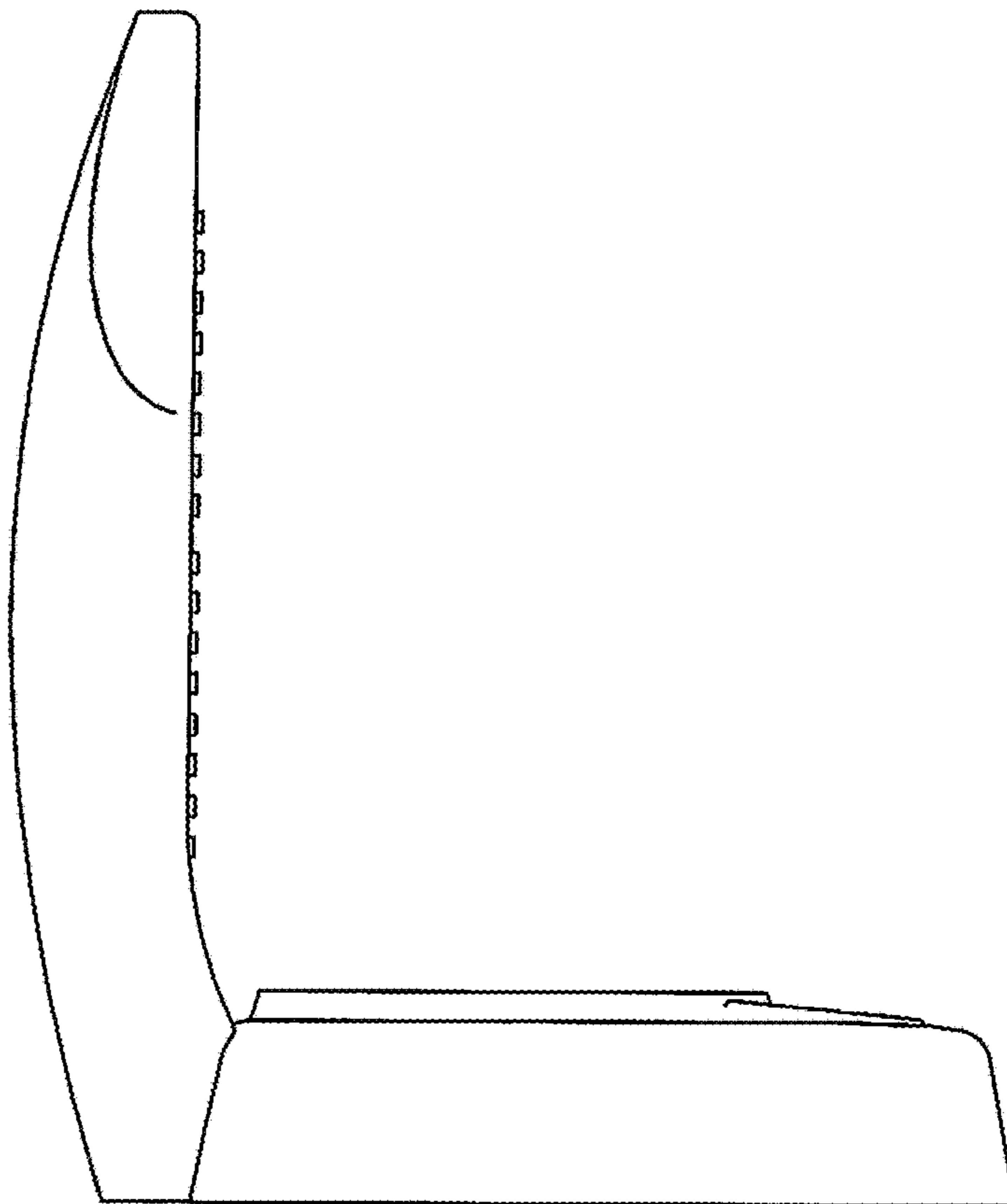


FIG. 8

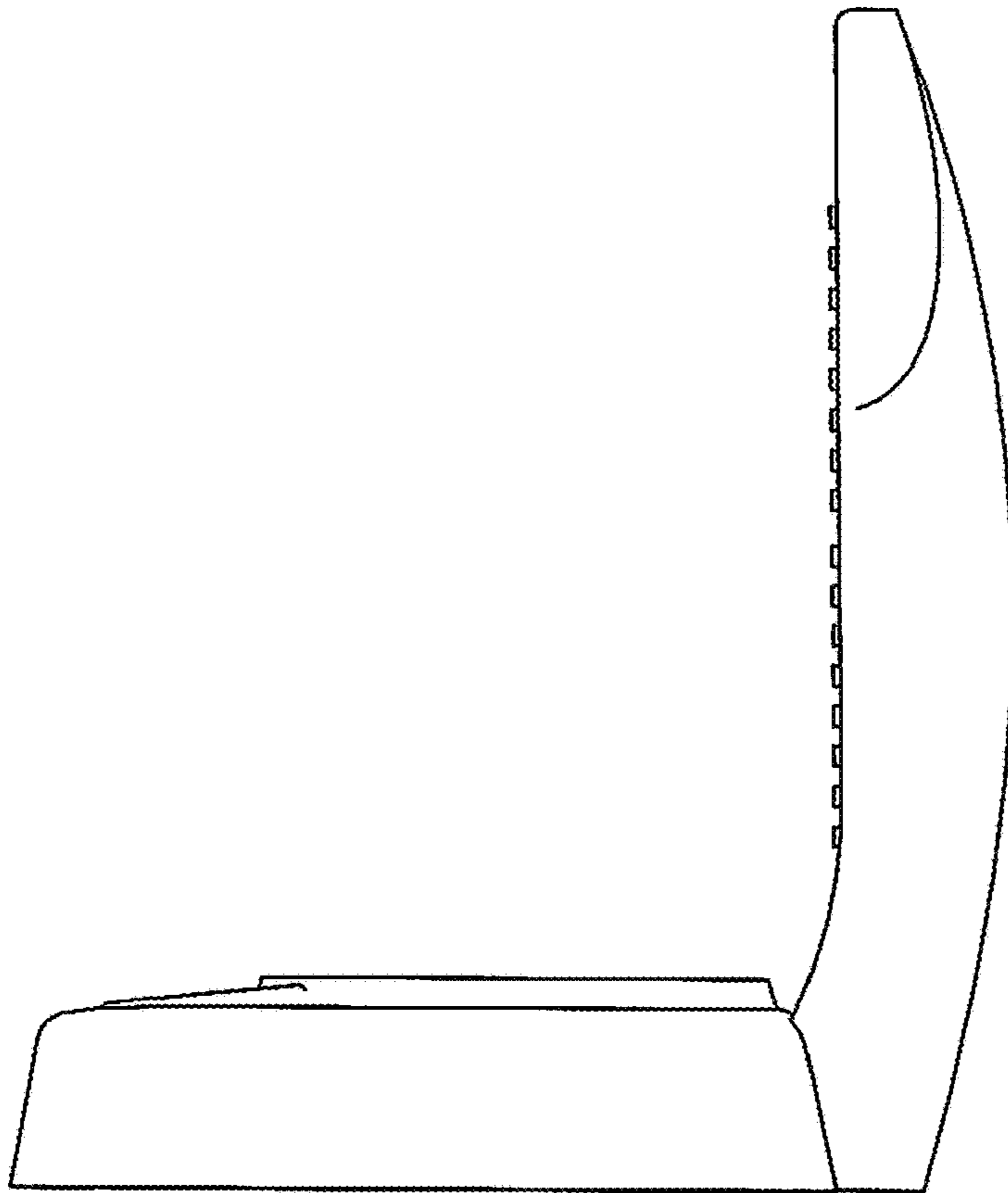


FIG. 9

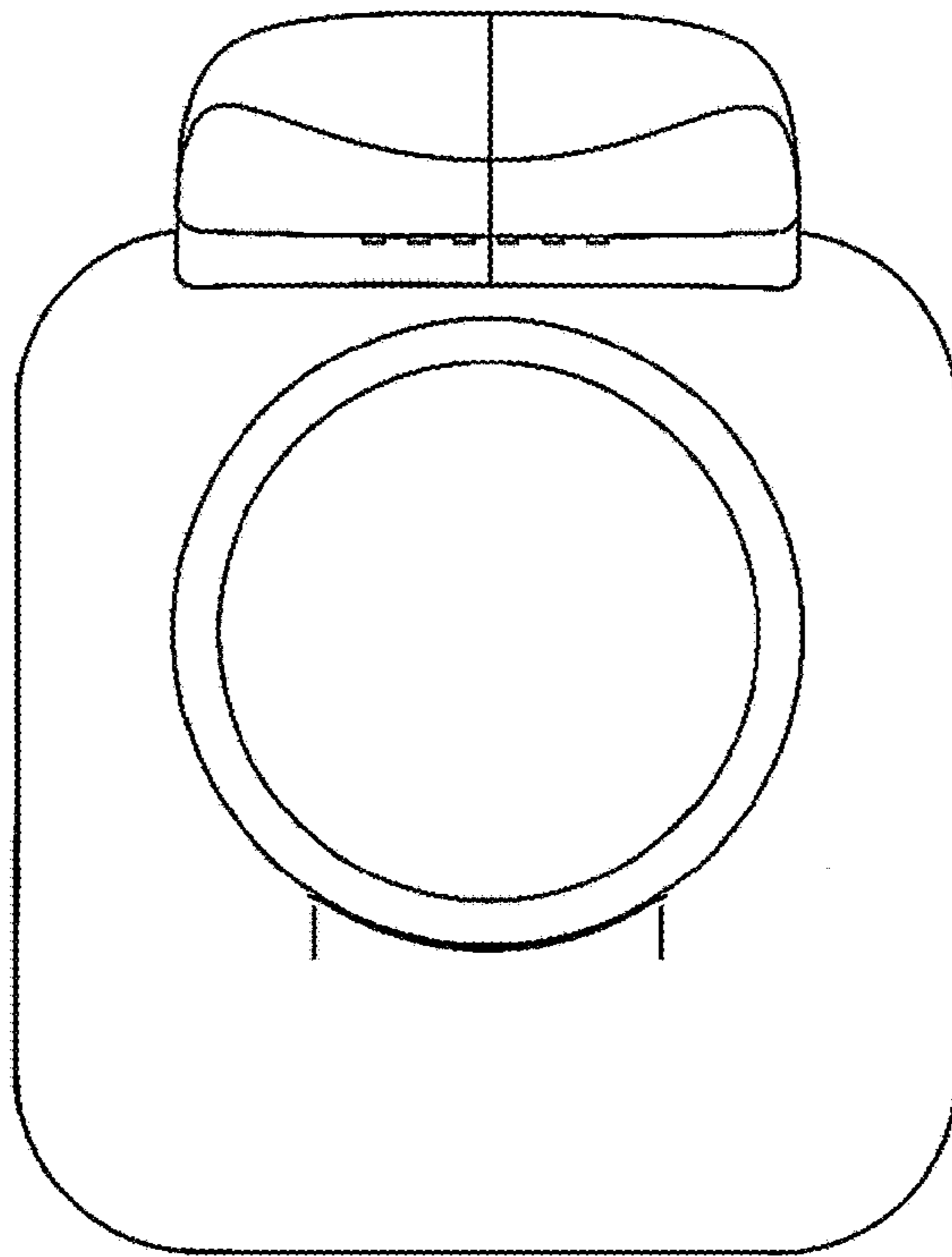


FIG. 10

