

US00D840539S

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

(10) **Patent No.:** **US D840,539 S**

(45) **Date of Patent:** **** Feb. 12, 2019**

(54) **PROSTHESIS ANCHOR**

Primary Examiner — Charles D Hanson

(71) Applicant: **TORNIER, INC.**, Bloomington, MN (US)

(74) *Attorney, Agent, or Firm* — Knobbe Martens Olson & Bear LLP

(72) Inventors: **Robert Courtney**, Pierceton, IN (US);
Austin W. Mutchler, Warsaw, IN (US);
Jeffrey M. Ondrla, Warsaw, IN (US)

(57) **CLAIM**

The ornamental design for prosthesis anchor, as shown and described.

(73) Assignee: **Tornier, Inc.**, Bloomington, MN (US)

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

DESCRIPTION

(21) Appl. No.: **29/544,231**

(22) Filed: **Oct. 30, 2015**

Related U.S. Application Data

(62) Division of application No. 29/456,077, filed on May 28, 2013, which is a division of application No. (Continued)

(51) **LOC (11) Cl.** **24-03**

(52) **U.S. Cl.**
USPC **D24/155**

(58) **Field of Classification Search**
USPC D24/155
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

448,126 A 3/1891 Craig
1,065,456 A 6/1913 Lowrey
(Continued)

FOREIGN PATENT DOCUMENTS

DE 4220217 12/1993
DE 10233204 1/2004
(Continued)

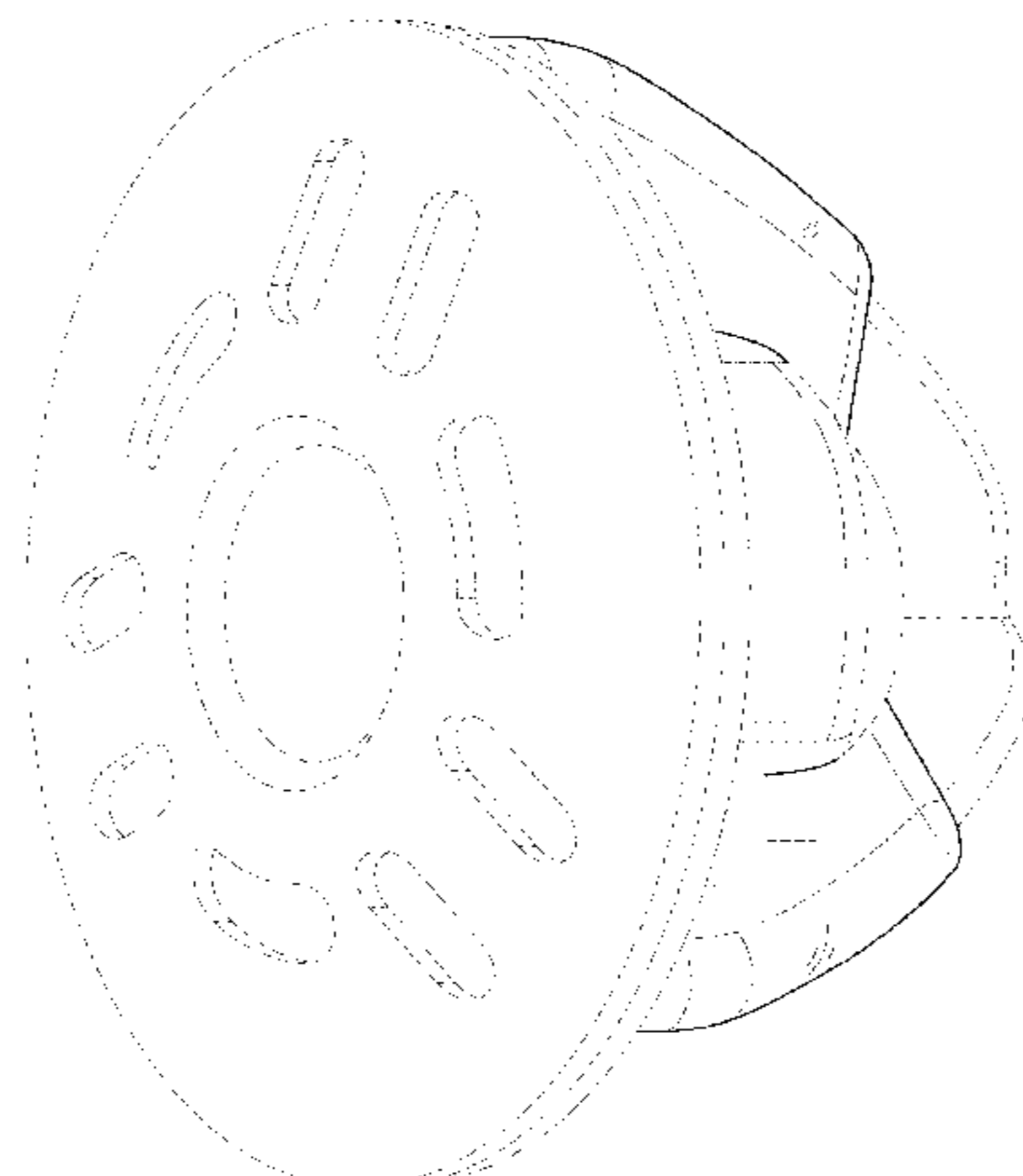
OTHER PUBLICATIONS

Extended European Search Report for EP Appl. No. 16179642.0 dated Dec. 21, 2016 in 8 pages.

(Continued)

FIG. 1 is a top perspective view of an embodiment; FIG. 2 is a bottom perspective view of the embodiment of FIG. 1; FIG. 3 is a front view of the embodiment of FIG. 1; FIG. 4 is a back view of the embodiment of FIG. 1; FIG. 5 is a left side view of the embodiment of FIG. 1; FIG. 6 is a right side view of the embodiment of FIG. 1; FIG. 7 is a top view of the embodiment of FIG. 1; and FIG. 8 is a bottom view of the embodiment of FIG. 1. FIG. 9 is a top perspective view of another embodiment; FIG. 10 is a bottom perspective view of the embodiment of FIG. 9; FIG. 11 is a front view of the embodiment of FIG. 9; FIG. 12 is a back view of the embodiment of FIG. 9; FIG. 13 is a left side view of the embodiment of FIG. 9; FIG. 14 is a right side view of the embodiment of FIG. 9; FIG. 15 is a top view of the embodiment of FIG. 9; and FIG. 16 is a bottom view of the embodiment of FIG. 9. FIG. 17 is a top perspective view of another embodiment; FIG. 18 is a bottom perspective view of the embodiment of FIG. 17; FIG. 19 is a front view of the embodiment of FIG. 17; FIG. 20 is a back view of the embodiment of FIG. 17; FIG. 21 is a left side view of the embodiment of FIG. 17; FIG. 22 is a right side view of the embodiment of FIG. 17; FIG. 23 is a top view of the embodiment of FIG. 17; and, FIG. 24 is a bottom view of the embodiment of FIG. 17. The broken line showing is included for the purpose of illustrating boundary lines and unclaimed subject matter and forms no part of the claimed design.

1 Claim, 24 Drawing Sheets



Related U.S. Application Data

29/365,240, filed on Jul. 6, 2010, now Pat. No. Des. 685,474.

(58) **Field of Classification Search**

CPC A61F 2/3859; A61F 3/38; A61F 3/389; A61F 3/3886; A61F 3/60; A61F 3/06; A61F 3/66; A61F 3/76; A61F 2310/00023
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,123,730 A 1/1915 Greenfield
2,444,099 A 6/1948 Hennessey, Jr.
2,886,081 A 5/1959 Cowley
3,523,395 A 8/1970 Rutter et al.
3,609,056 A 9/1971 Hougen
3,738,217 A 6/1973 Walker
4,042,980 A * 8/1977 Swanson A61F 2/40
623/19.13

4,147,464 A 4/1979 Watson et al.
4,250,600 A 2/1981 Gunther
4,261,062 A 4/1981 Amstutz et al.
4,406,023 A 9/1983 Harris
4,550,450 A * 11/1985 Kinnett A61F 2/40
623/20.11

4,623,353 A 11/1986 Buechel et al.
4,632,111 A 12/1986 Roche
4,743,262 A 5/1988 Tronzo
4,865,605 A 9/1989 Dines et al.
4,883,491 A 11/1989 Mallory et al.
4,964,865 A 10/1990 Burkhead et al.
4,986,833 A 1/1991 Worland
5,026,373 A 6/1991 Ray et al.
5,032,132 A 7/1991 Matsen et al.
5,044,393 A 9/1991 Jiles
5,080,673 A 1/1992 Burkhead et al.
5,112,338 A 5/1992 Anspach, III
5,163,964 A 11/1992 Lazzeri et al.
5,171,277 A 12/1992 Roger
5,257,995 A 11/1993 Umber et al.
5,282,865 A 2/1994 Dong
5,358,526 A * 10/1994 Tornier A61F 2/4014
623/19.14

5,489,309 A 2/1996 Lackey et al.
5,489,310 A 2/1996 Mikhail
5,507,817 A 4/1996 Craig et al.
5,540,697 A 7/1996 Rehmann et al.
5,658,290 A 8/1997 Lechot
5,681,134 A 10/1997 Ebert
5,702,486 A 12/1997 Craig et al.
5,723,018 A 3/1998 Cyprien et al.
5,776,194 A 7/1998 Mikol et al.
5,800,551 A 9/1998 Williamson et al.
5,810,524 A 9/1998 Wirth, Jr. et al.
5,820,315 A 10/1998 Collard
5,830,215 A 11/1998 Incavo et al.
5,904,688 A 5/1999 Gilbert et al.
5,954,727 A 9/1999 Collazo
5,976,148 A 11/1999 Charpenet et al.
6,045,582 A 4/2000 Prybyla
6,063,124 A 5/2000 Amstutz
6,099,214 A 8/2000 Lee et al.
6,132,469 A 10/2000 Schroeder
6,139,551 A 10/2000 Michelson et al.
6,146,423 A * 11/2000 Cohen A61F 2/3877
623/20.2

6,174,335 B1 1/2001 Varieur et al.
6,187,012 B1 2/2001 Masini
6,197,063 B1 3/2001 Dews
6,264,299 B1 7/2001 Noda
6,264,657 B1 7/2001 Urbahns et al.
6,306,171 B1 10/2001 Conzemius
6,364,910 B1 4/2002 Shultz et al.
6,368,271 B1 4/2002 Sharratt

6,368,353 B1 4/2002 Arcand
6,379,917 B1 4/2002 Okun et al.
6,409,730 B1 6/2002 Green et al.
6,508,840 B1 1/2003 Rockwood, Jr. et al.
6,520,994 B2 2/2003 Nogarin
6,537,278 B1 3/2003 Johnson
6,736,851 B2 5/2004 Maroney et al.
6,746,452 B2 6/2004 Tuke et al.
6,783,549 B1 8/2004 Stone et al.
6,786,684 B1 9/2004 Ecker
7,044,973 B2 5/2006 Rockwood, Jr. et al.
7,140,087 B1 11/2006 Giltner
7,160,328 B2 1/2007 Rockwood, Jr. et al.
7,169,184 B2 1/2007 Dalla Pria
7,175,663 B1 2/2007 Stone
7,179,084 B1 2/2007 Kometas
7,189,036 B1 3/2007 Watson
7,189,261 B2 3/2007 Dews et al.
7,344,565 B2 3/2008 Seyer et al.
7,465,319 B2 * 12/2008 Tornier A61F 2/32
623/19.11

7,476,228 B2 1/2009 Abou
7,476,253 B1 1/2009 Craig et al.
7,585,327 B2 9/2009 Winslow
7,615,080 B2 * 11/2009 Ondrla A61F 2/4014
623/19.11

7,637,703 B2 12/2009 Khangar et al.
7,648,530 B2 1/2010 Habermeyer et al.
7,670,382 B2 * 3/2010 Parrott A61F 2/4003
623/19.11

7,678,150 B2 * 3/2010 Tornier A61F 2/40
623/19.13

7,744,602 B2 6/2010 Teeny et al.
7,758,650 B2 7/2010 Dews et al.
7,887,544 B2 * 2/2011 Tornier A61B 17/1778
606/96

7,927,376 B2 4/2011 Leisinger et al.
D643,926 S * 8/2011 Collins D24/155
8,021,370 B2 9/2011 Fenton et al.
8,114,089 B2 2/2012 Divoux et al.
8,162,947 B2 4/2012 Dreyfuss
8,182,541 B2 5/2012 Long et al.
8,187,282 B2 5/2012 Tornier et al.
8,192,497 B2 6/2012 Ondrla
8,202,275 B2 6/2012 Wozencroft
8,221,037 B2 7/2012 Neitzell
8,231,682 B2 * 7/2012 Lafosse A61F 2/4684
623/19.11

8,246,687 B2 * 8/2012 Katrana A61F 2/4014
623/19.13

8,277,512 B2 10/2012 Parrott et al.
8,317,871 B2 11/2012 Stone et al.
8,409,798 B2 4/2013 Luy et al.
8,419,798 B2 4/2013 Ondrla et al.
D685,474 S * 7/2013 Courtney, Jr. D24/155
8,500,744 B2 8/2013 Wozencroft et al.
8,506,638 B2 8/2013 Vanasse et al.
8,512,410 B2 8/2013 Metcalfe et al.
8,545,506 B2 10/2013 Long et al.
8,591,592 B2 11/2013 Dreyfuss
8,690,958 B2 4/2014 Klawitter et al.
8,702,800 B2 4/2014 Linares et al.
8,753,402 B2 6/2014 Winslow et al.
8,840,671 B2 9/2014 Ambacher
8,845,742 B2 9/2014 Kusogullari et al.
8,870,962 B2 10/2014 Roche et al.
8,876,908 B2 11/2014 Katrana et al.
8,882,845 B2 11/2014 Wirth et al.
D745,678 S * 12/2015 Courtney D24/155
9,233,003 B2 1/2016 Roche et al.
9,289,218 B2 3/2016 Courtney, Jr. et al.
9,326,865 B2 5/2016 Katrana et al.
2001/0047210 A1 11/2001 Wolf
2002/0116007 A1 8/2002 Lewis
2002/0156534 A1 10/2002 Grusin et al.
2003/0004573 A1 1/2003 Bagby
2003/0028253 A1 2/2003 Stone et al.
2003/0031521 A1 2/2003 Haughton et al.
2003/0125810 A1 7/2003 Sullivan et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

2004/0186586 A1 9/2004 Seyer et al.
 2004/0193276 A1 9/2004 Maroney et al.
 2004/0193277 A1 9/2004 Long et al.
 2004/0193278 A1 9/2004 Maroney et al.
 2004/0220674 A1 11/2004 Pria
 2004/0243136 A1 12/2004 Gupta et al.
 2005/0107882 A1 5/2005 Stone et al.
 2005/0209597 A1 9/2005 Long et al.
 2005/0261775 A1 11/2005 Baum et al.
 2006/0004378 A1 1/2006 Raines
 2006/0009852 A1 1/2006 Winslow et al.
 2006/0089656 A1 4/2006 Allard et al.
 2006/0195105 A1 8/2006 Teeny et al.
 2006/0200165 A1 9/2006 Tulkis
 2006/0200249 A1 9/2006 Beguin et al.
 2007/0010825 A1 1/2007 Leisinger et al.
 2007/0100458 A1 5/2007 Dalla Pria
 2007/0123890 A1 5/2007 Way et al.
 2007/0123893 A1 5/2007 O'Donoghue
 2007/0123909 A1 5/2007 Rupp et al.
 2007/0156246 A1 7/2007 Meswania et al.
 2007/0162141 A1 7/2007 Dewes et al.
 2007/0173945 A1 7/2007 Wiley et al.
 2007/0212179 A1 9/2007 Khangar et al.
 2007/0219562 A1 9/2007 Slone et al.
 2007/0233132 A1 10/2007 Valla
 2008/0021564 A1 1/2008 Gunther
 2008/0077146 A1 3/2008 Pernsteiner et al.
 2008/0195111 A1 8/2008 Anderson
 2008/0249577 A1 10/2008 Dreyfuss
 2009/0171462 A1 7/2009 Poncet et al.
 2009/0306782 A1 12/2009 Schwyzer
 2010/0042214 A1 2/2010 Nebosky et al.
 2010/0087927 A1 4/2010 Roche et al.
 2010/0114326 A1 5/2010 Winslow et al.
 2010/0191340 A1 7/2010 Dreyfuss
 2010/0274360 A1 10/2010 Gunther
 2010/0278601 A1 11/2010 Beynon
 2011/0224673 A1 9/2011 Smith
 2011/0276144 A1 11/2011 Wirth et al.
 2011/0313533 A1 12/2011 Gunther
 2012/0109321 A1 5/2012 Stone et al.
 2012/0265315 A1 10/2012 Kusogullari et al.
 2012/0296435 A1 11/2012 Ambacher
 2013/0123930 A1 5/2013 Burt
 2013/0173006 A1 7/2013 Duport
 2013/0178943 A1 7/2013 Duport
 2013/0190882 A1 7/2013 Humphrey
 2013/0211539 A1 8/2013 McDaniel et al.
 2013/0261626 A1 10/2013 Chavarria et al.
 2013/0261629 A1 10/2013 Anthony et al.
 2013/0261754 A1 10/2013 Anthony et al.
 2014/0012272 A1 1/2014 Leisinger
 2014/0058523 A1 2/2014 Walch et al.
 2014/0107792 A1 4/2014 Hopkins et al.

2014/0156012 A1 6/2014 Winslow
 2014/0296988 A1 10/2014 Winslow et al.
 2014/0358239 A1 12/2014 Katrana et al.
 2014/0358240 A1 12/2014 Katrana et al.
 2015/0297354 A1 10/2015 Walch et al.
 2016/0157911 A1 6/2016 Courtney, Jr. et al.
 2016/0324648 A1 11/2016 Hodorek et al.
 2017/0273800 A1 9/2017 Emerick et al.

FOREIGN PATENT DOCUMENTS

DE 102004042502 3/2006
 EP 0 274 094 8/1990
 EP 1413265 A2 4/2004
 EP 0959822 B1 5/2004
 EP 1125565 B1 12/2004
 EP 1518519 A2 3/2005
 EP 1004283 B1 5/2005
 EP 1 762 191 3/2007
 EP 1867303 B1 9/2010
 EP 1977720 B1 1/2011
 EP 2353549 A1 8/2011
 EP 1550420 B1 2/2012
 EP 2261303 B1 11/2012
 EP 1706074 B1 12/2012
 EP 2 567 676 3/2013
 EP 2564814 A1 3/2013
 EP 2574313 A1 4/2013
 EP 2 616 013 7/2013
 EP 2474288 B1 9/2013
 EP 1990026 B1 3/2014
 EP 2663263 B1 5/2014
 EP 2502605 B1 8/2014
 EP 2800541 A1 11/2014
 EP 2 815 726 8/2015
 FR 2 674 122 9/1992
 WO WO 01/67988 A2 9/2001
 WO WO 02/17822 A1 3/2002
 WO WO 2008/011078 A2 1/2008
 WO WO 2008/146124 A2 12/2008
 WO WO 2011/081797 A1 7/2011
 WO WO 2012/035263 A1 3/2012
 WO WO 2012/130524 A1 10/2012
 WO WO 2013/009407 A1 1/2013
 WO WO 2013/064569 A1 5/2013
 WO WO 2013/148229 A1 10/2013
 WO WO 2014/005644 A1 1/2014
 WO WO 2014/058314 A1 4/2014
 WO WO 2015/112307 7/2015
 WO WO 2017/165090 9/2017
 WO WO 2018/022227 2/2018

OTHER PUBLICATIONS

International Search Report and Written Opinion for PCT/US2014/072443 dated Mar. 24, 2015 in 12 pages.

* cited by examiner

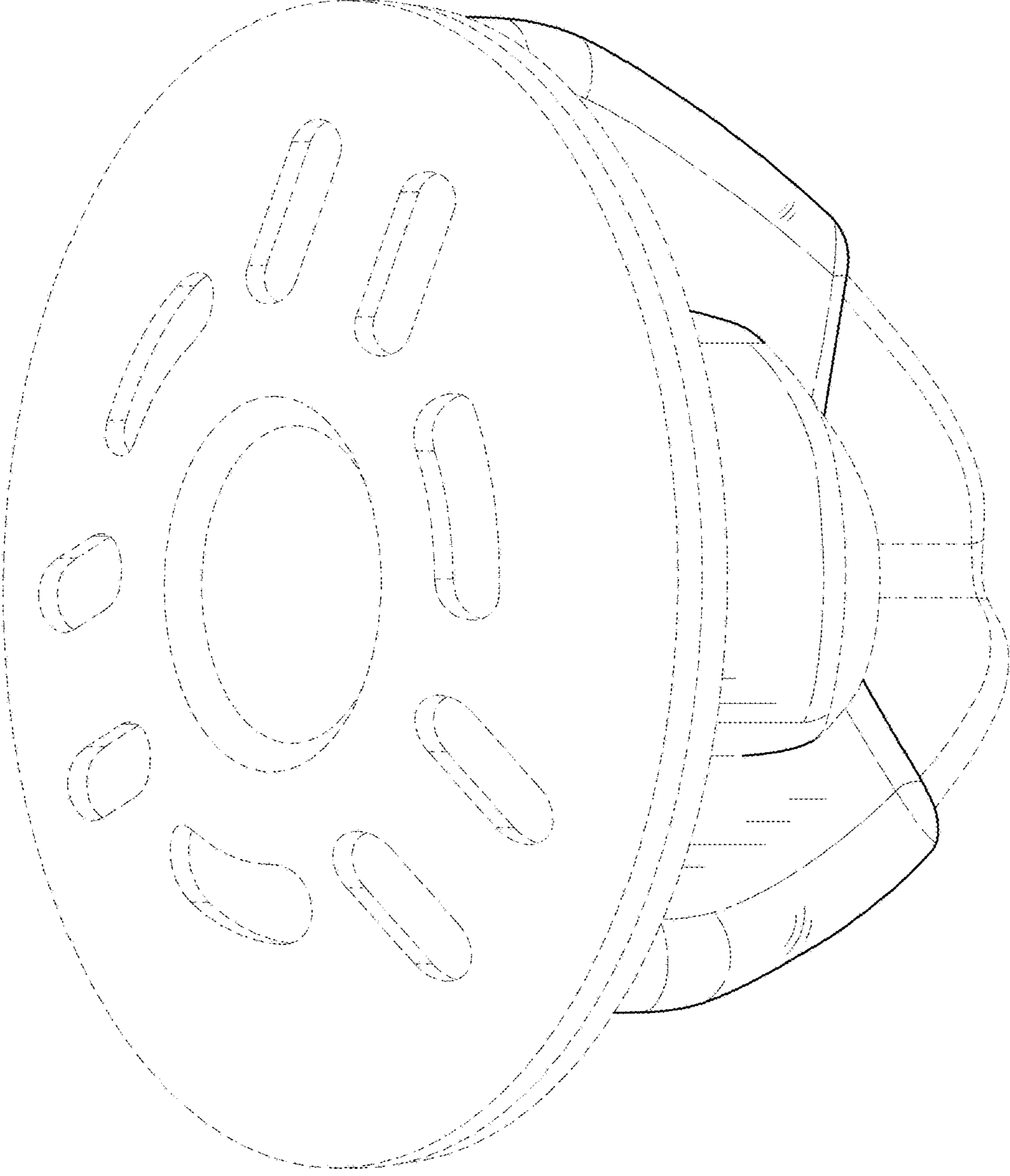


FIG. 1

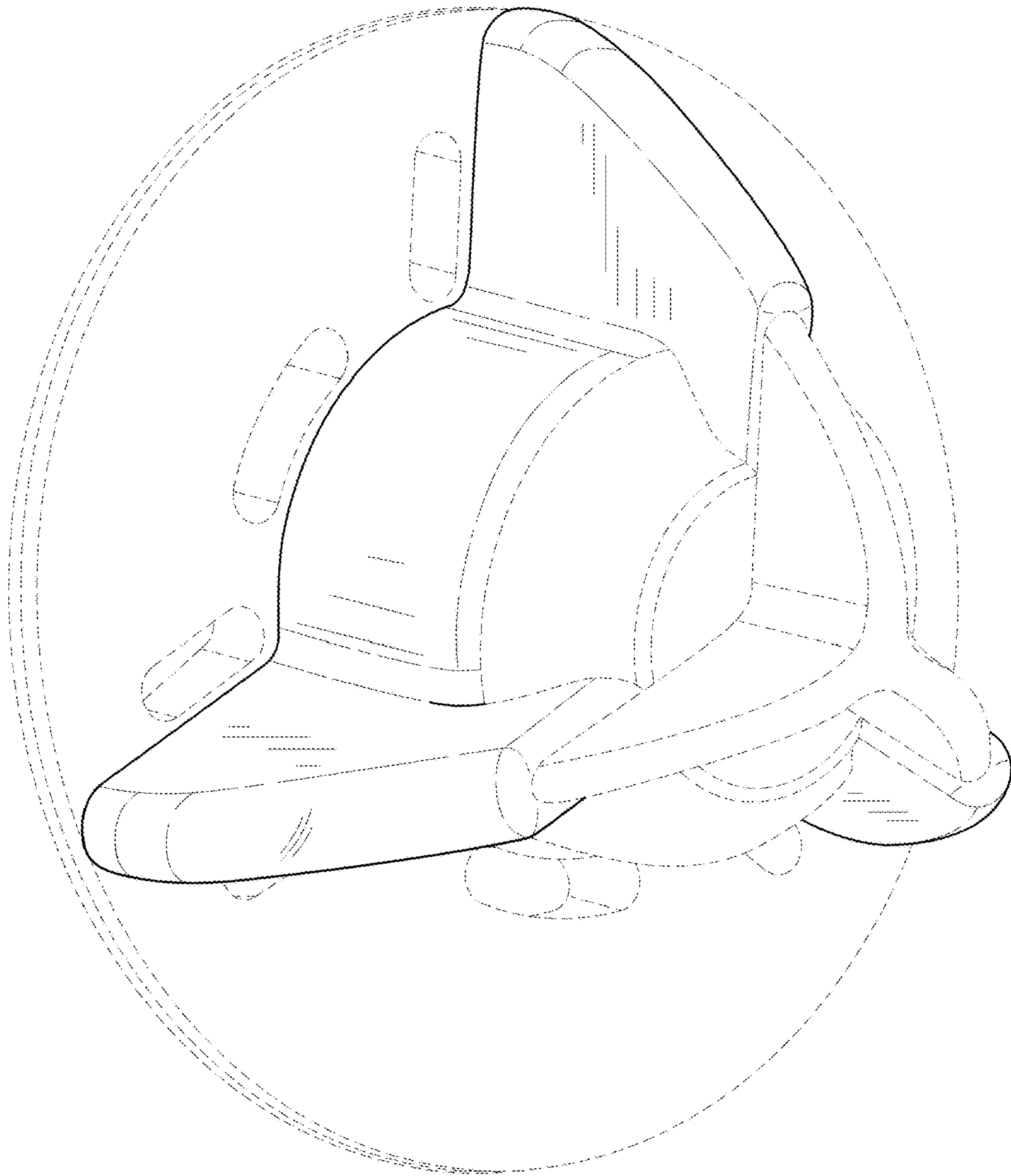


FIG. 2

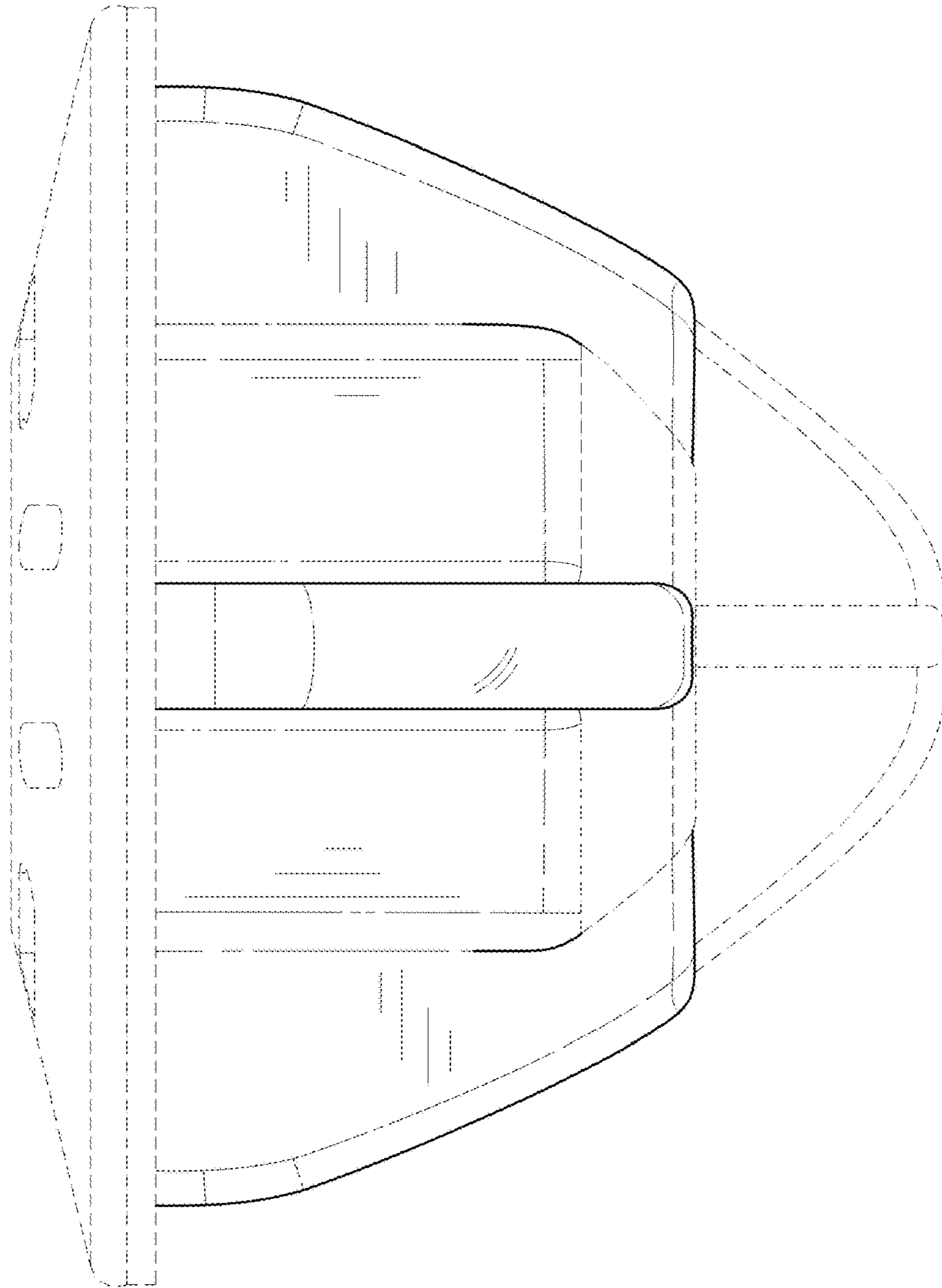


FIG. 3

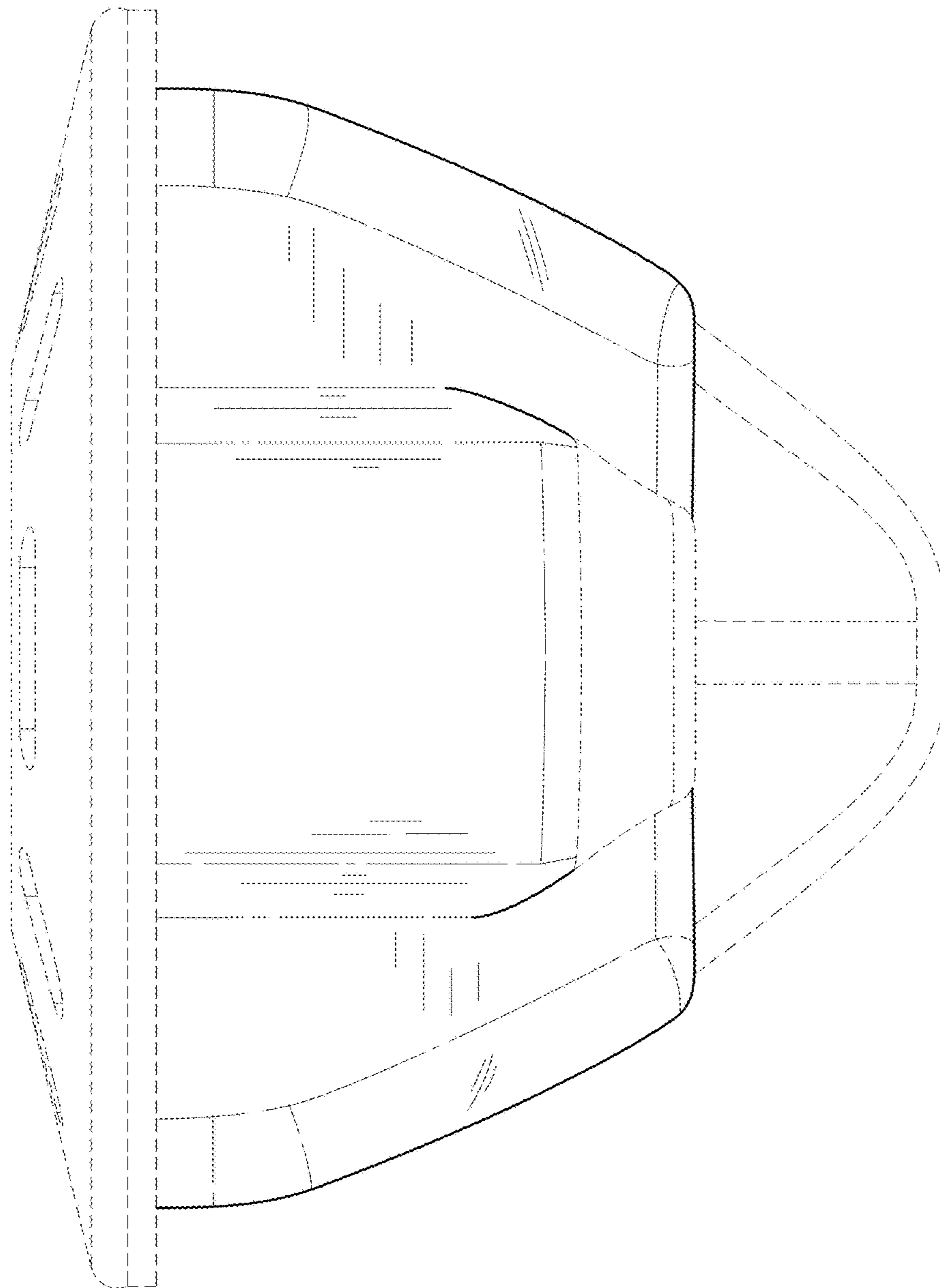


FIG. 4

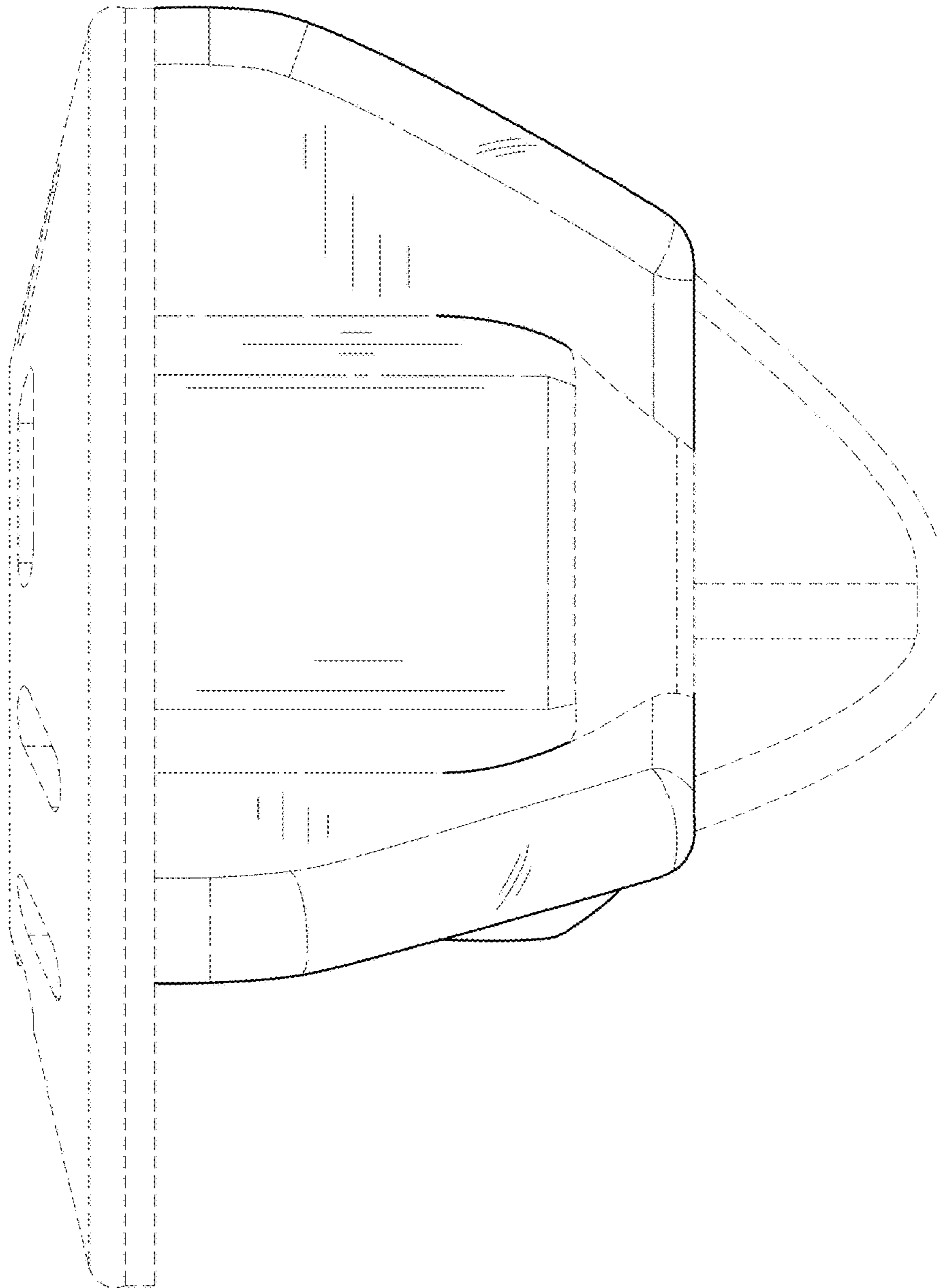


FIG. 5

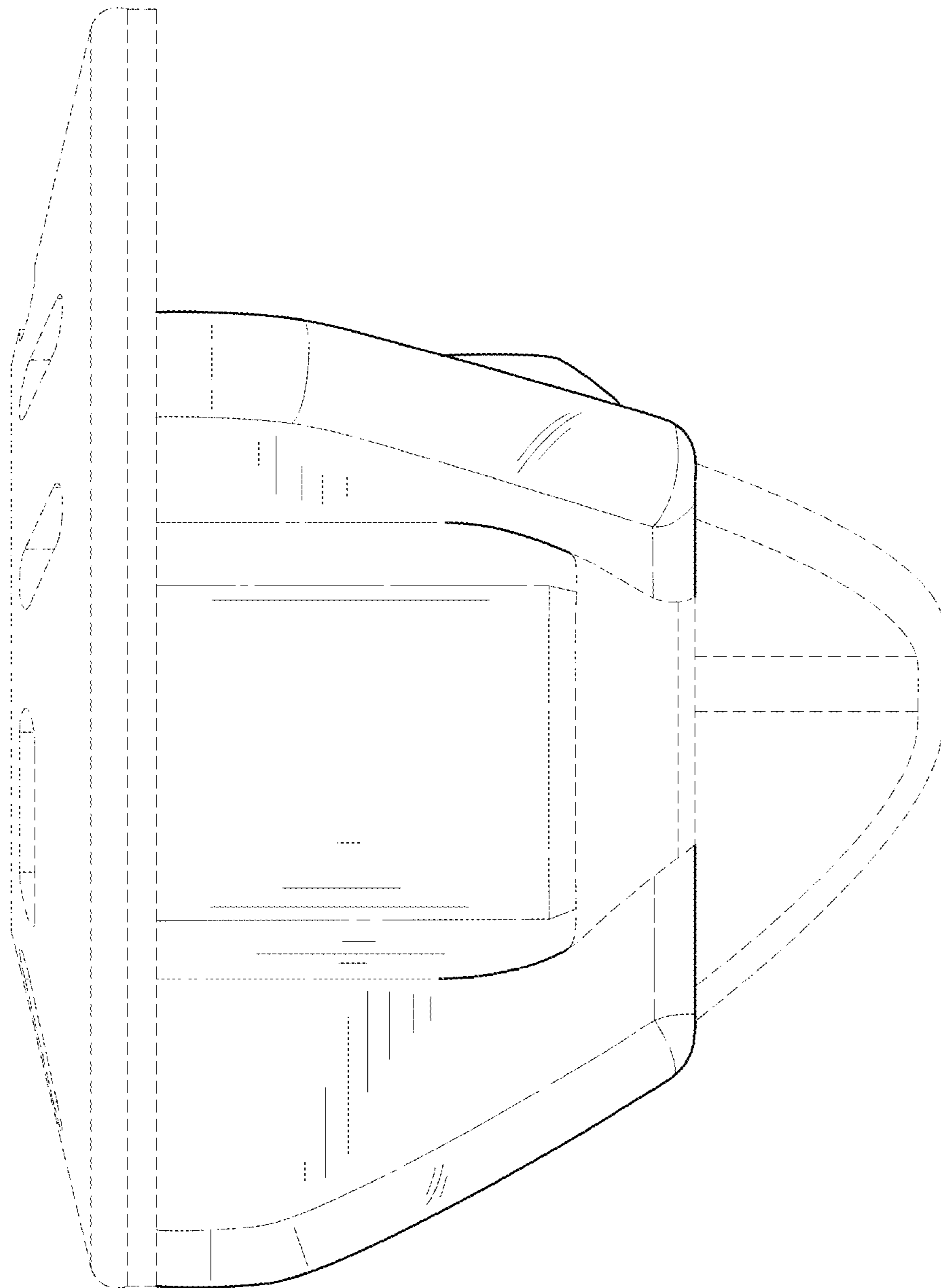


FIG. 6

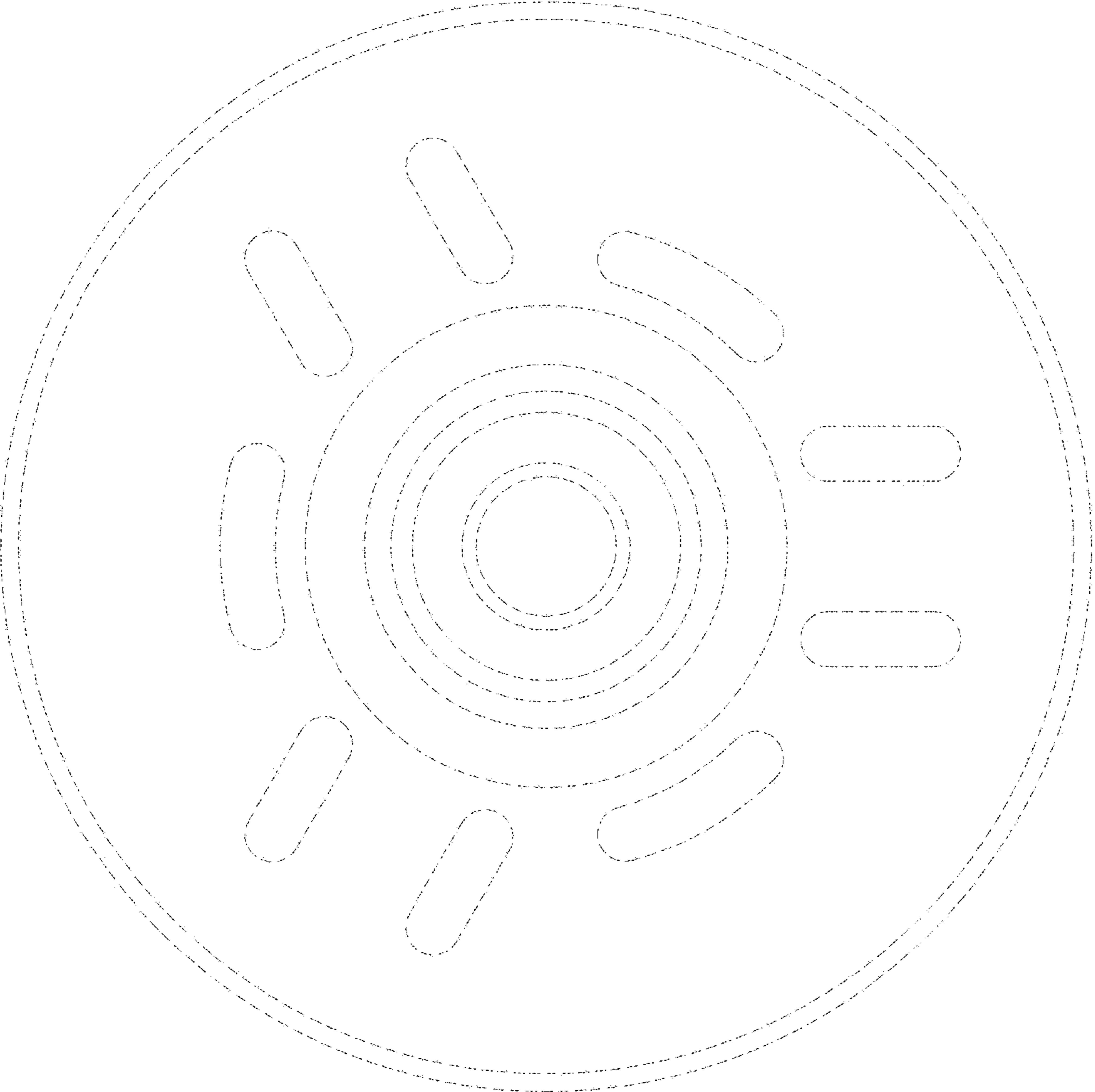


FIG. 7

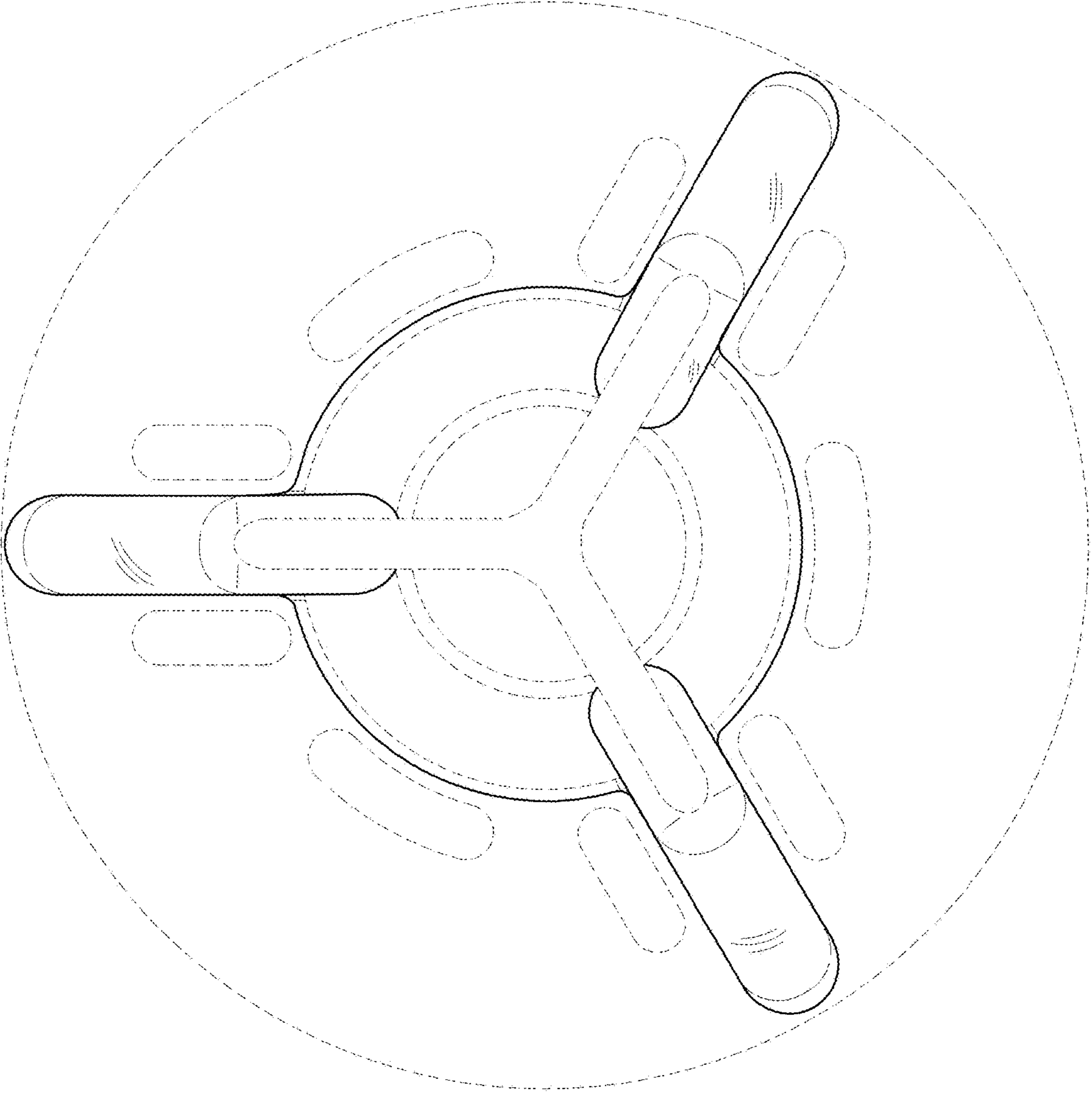


FIG. 8

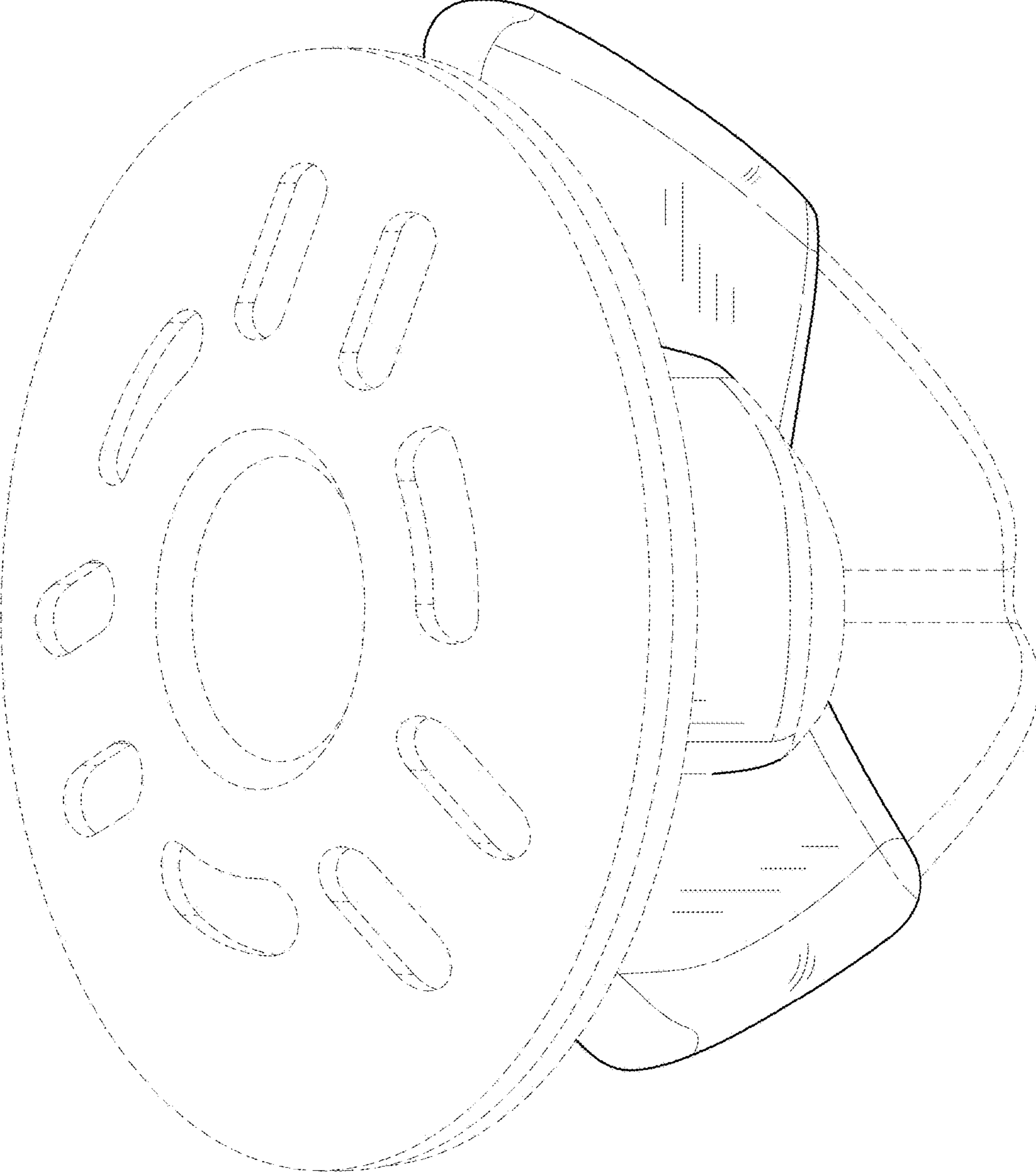


FIG. 9

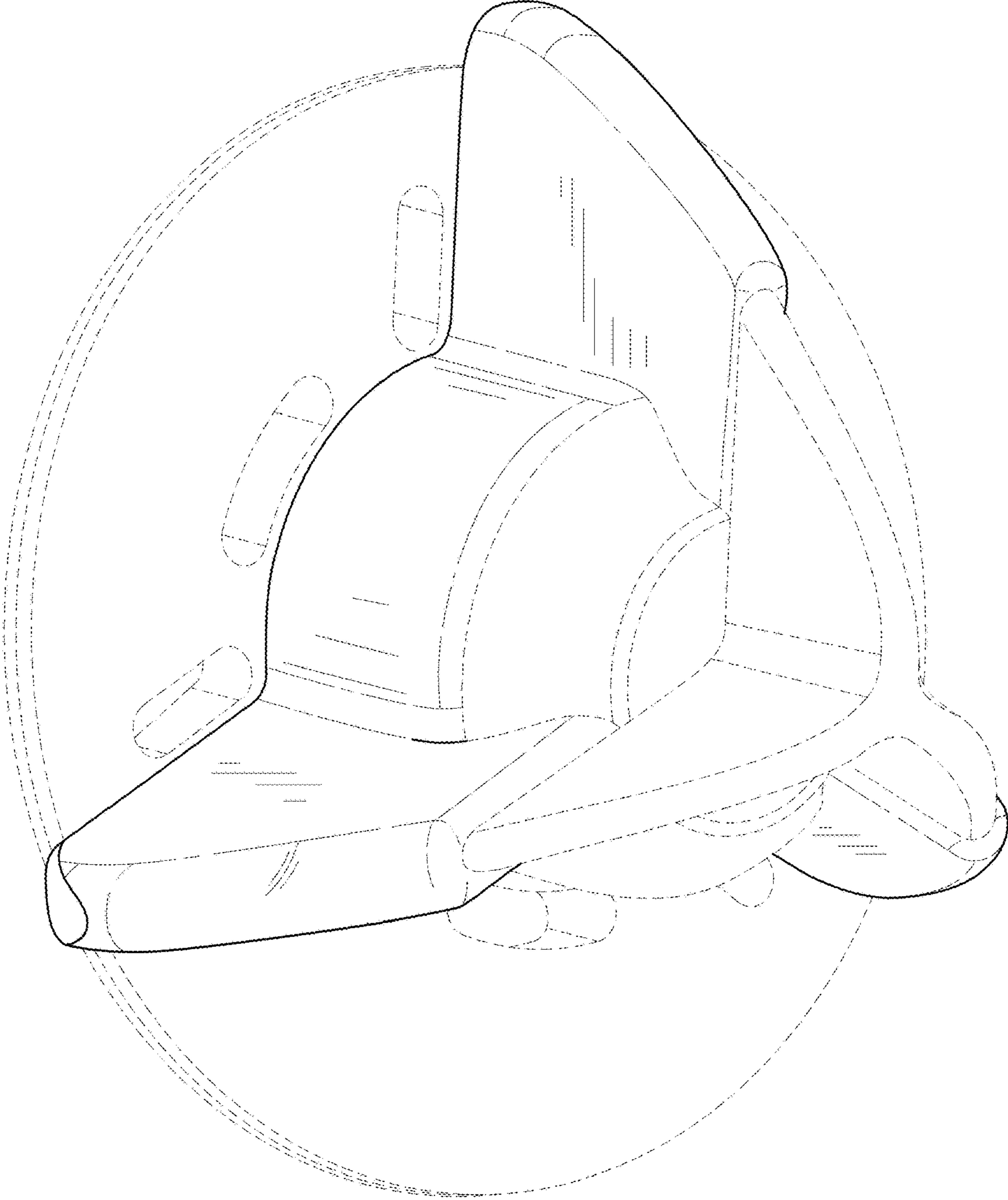


FIG. 10

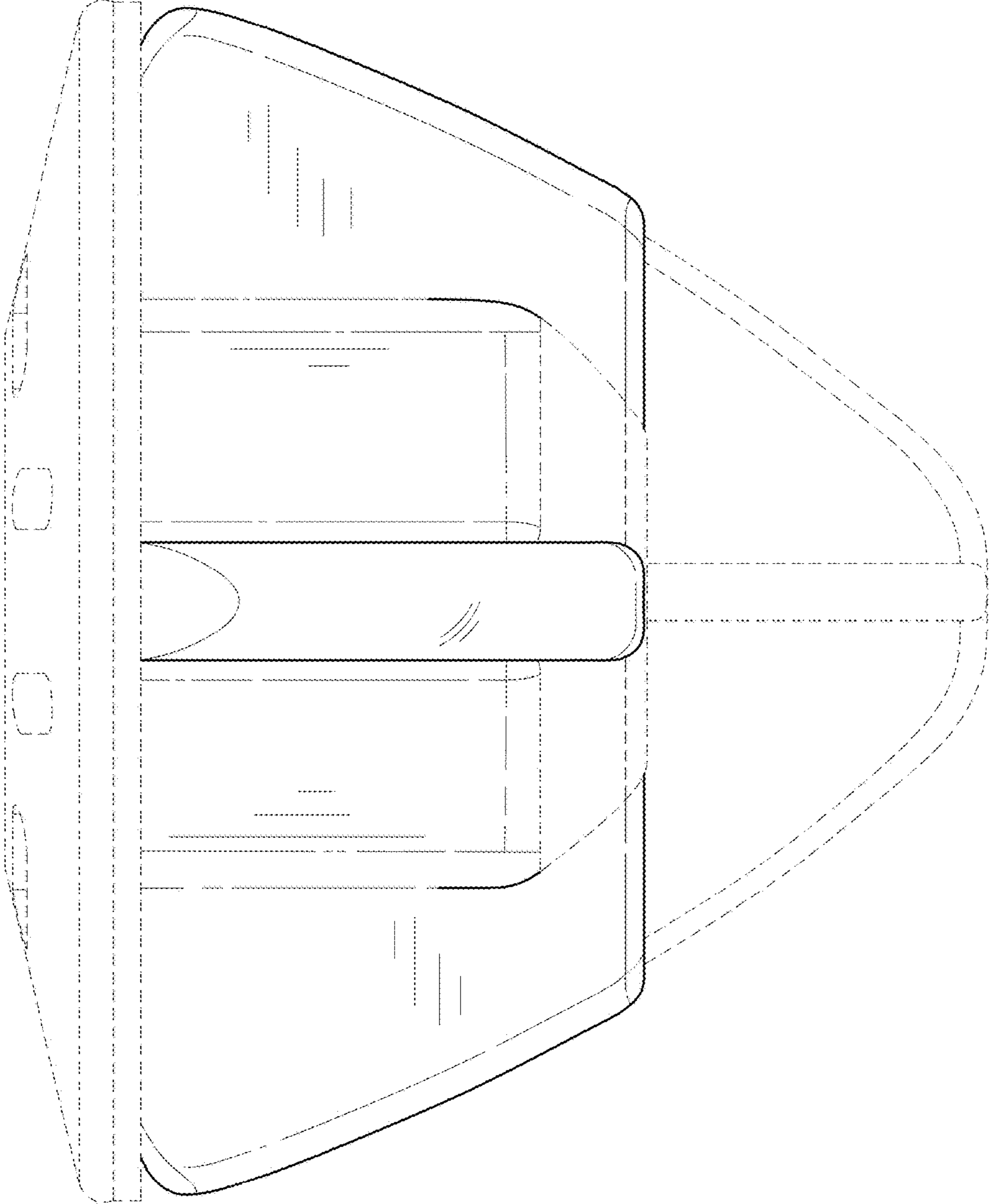


FIG. 11

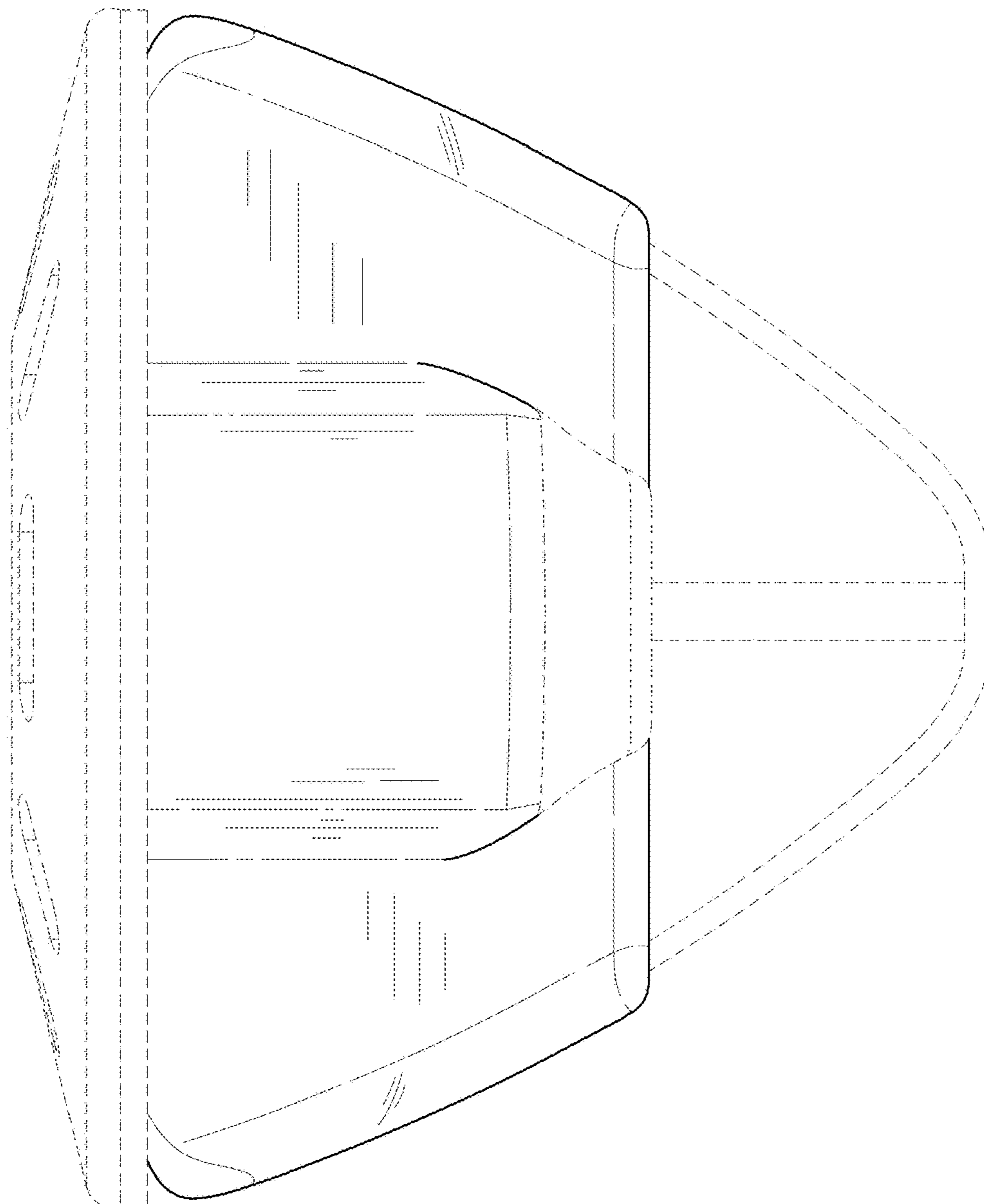


FIG. 12

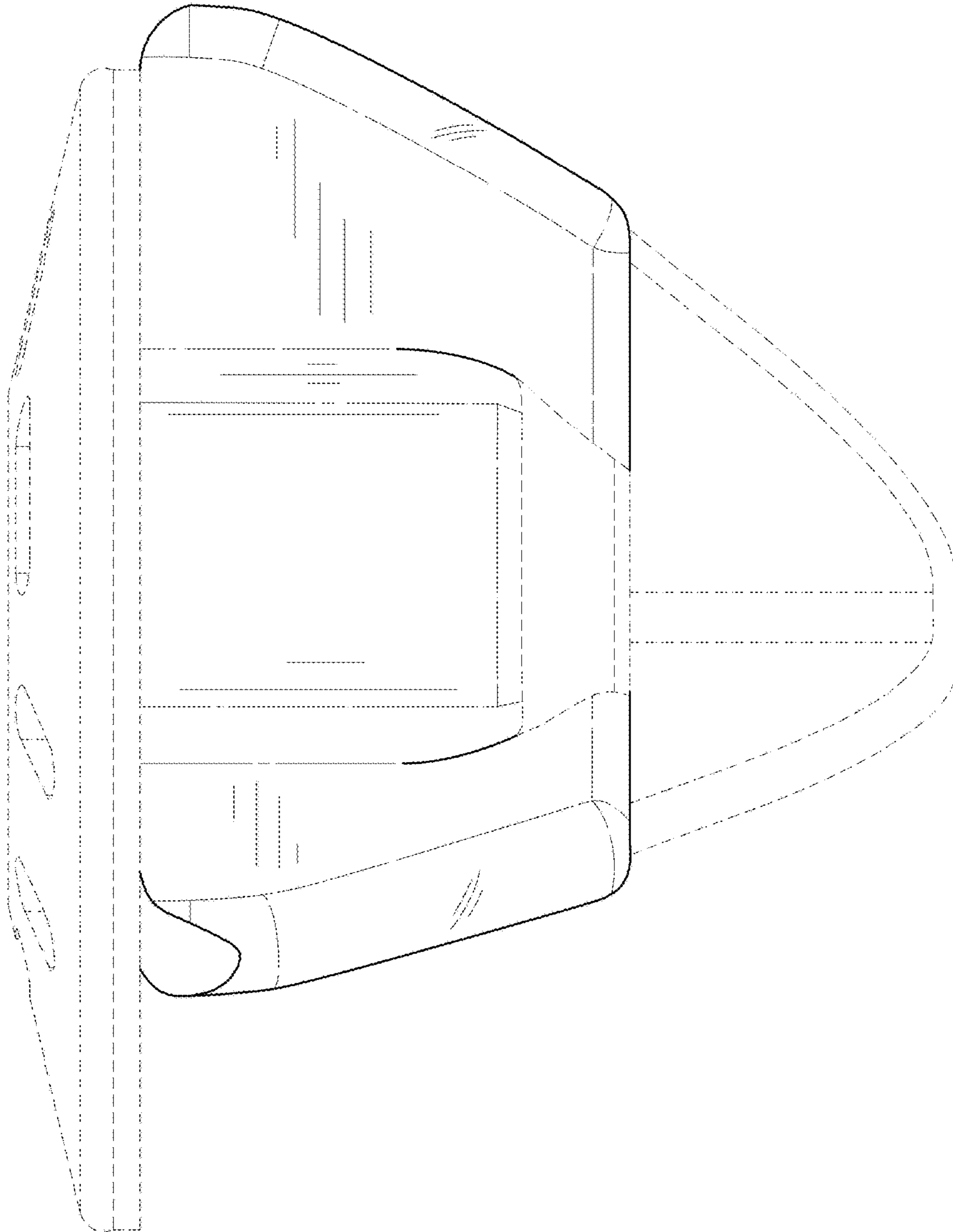


FIG. 13

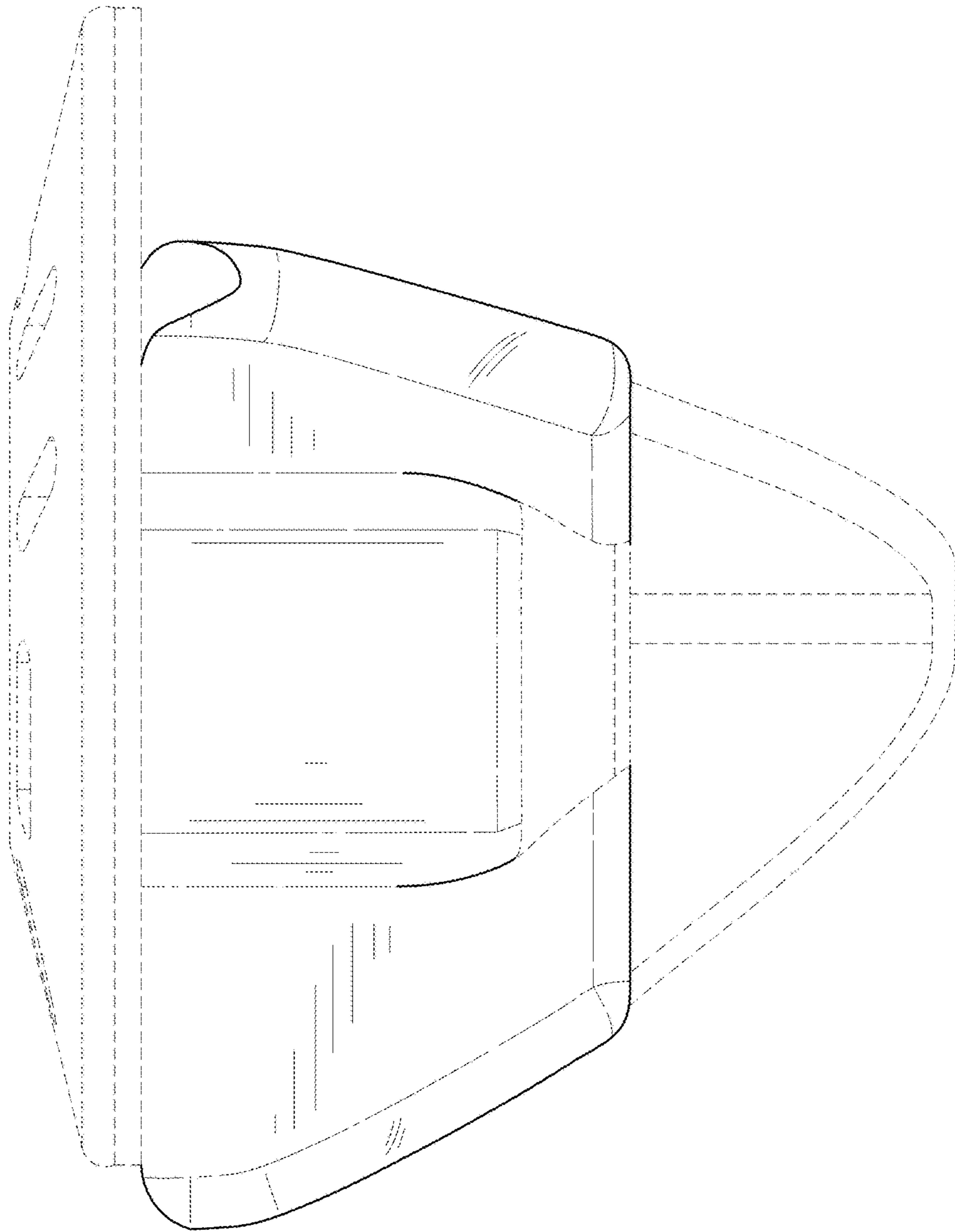


FIG. 14

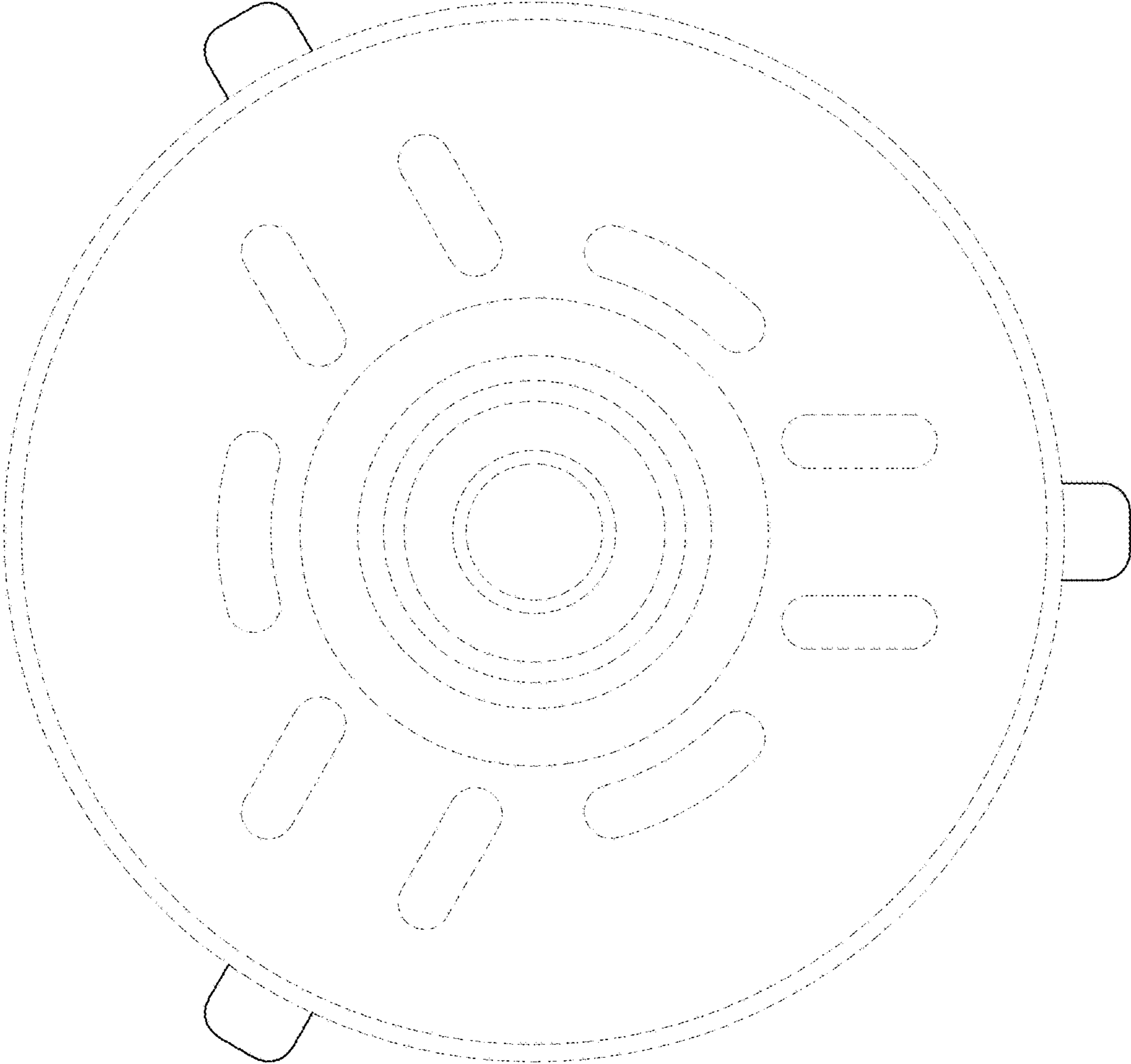


FIG. 15

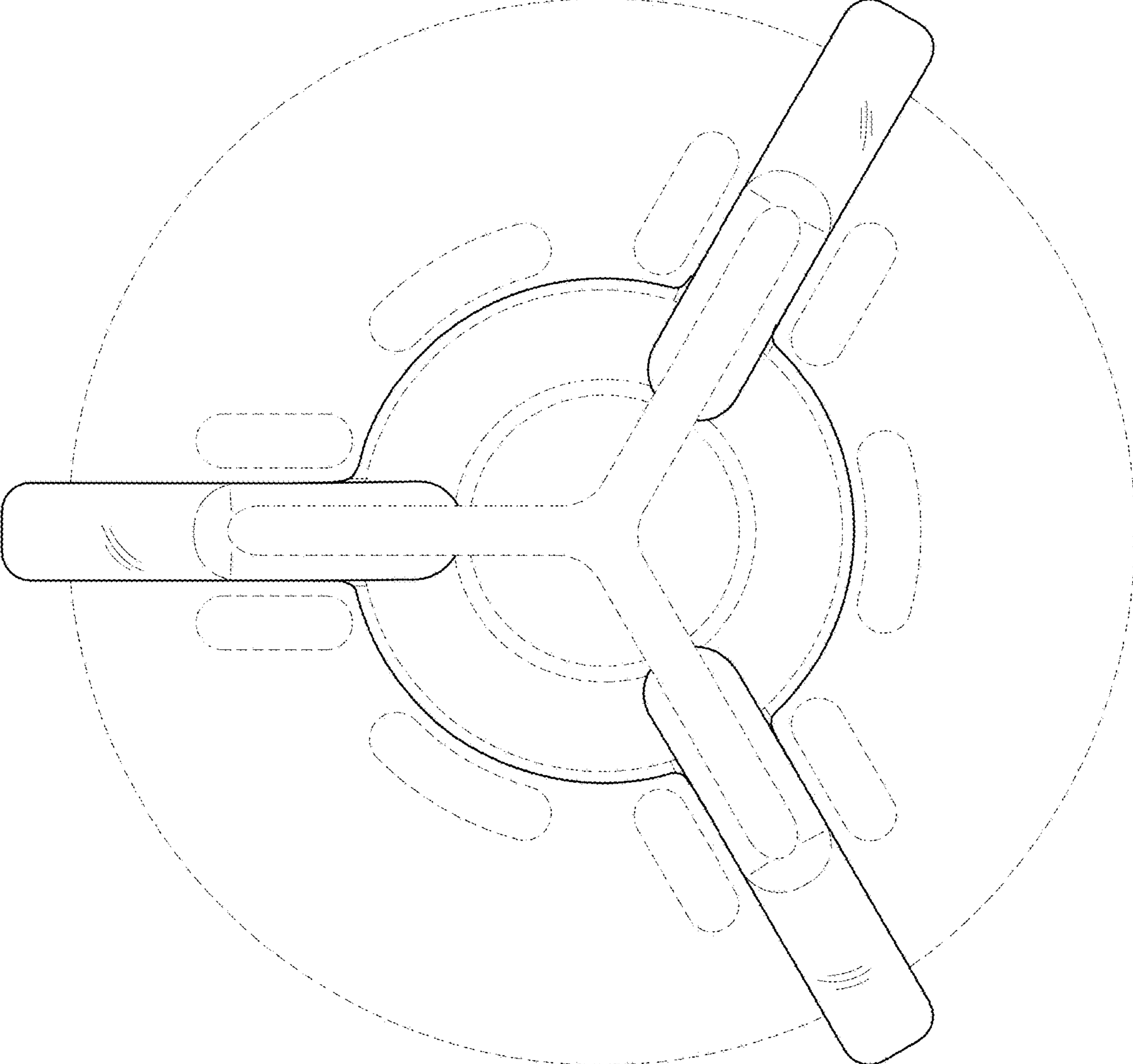


FIG. 16

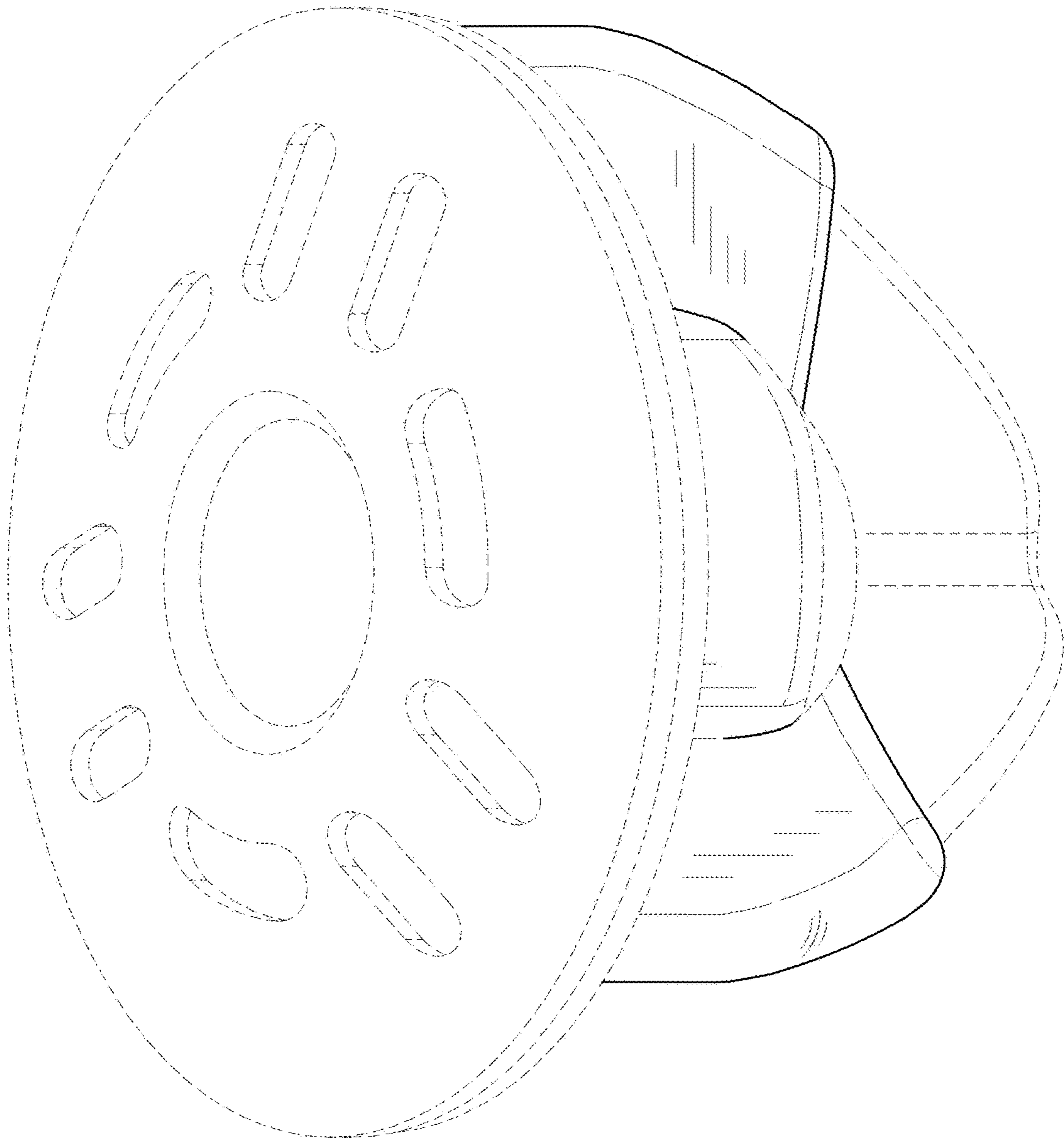


FIG. 17

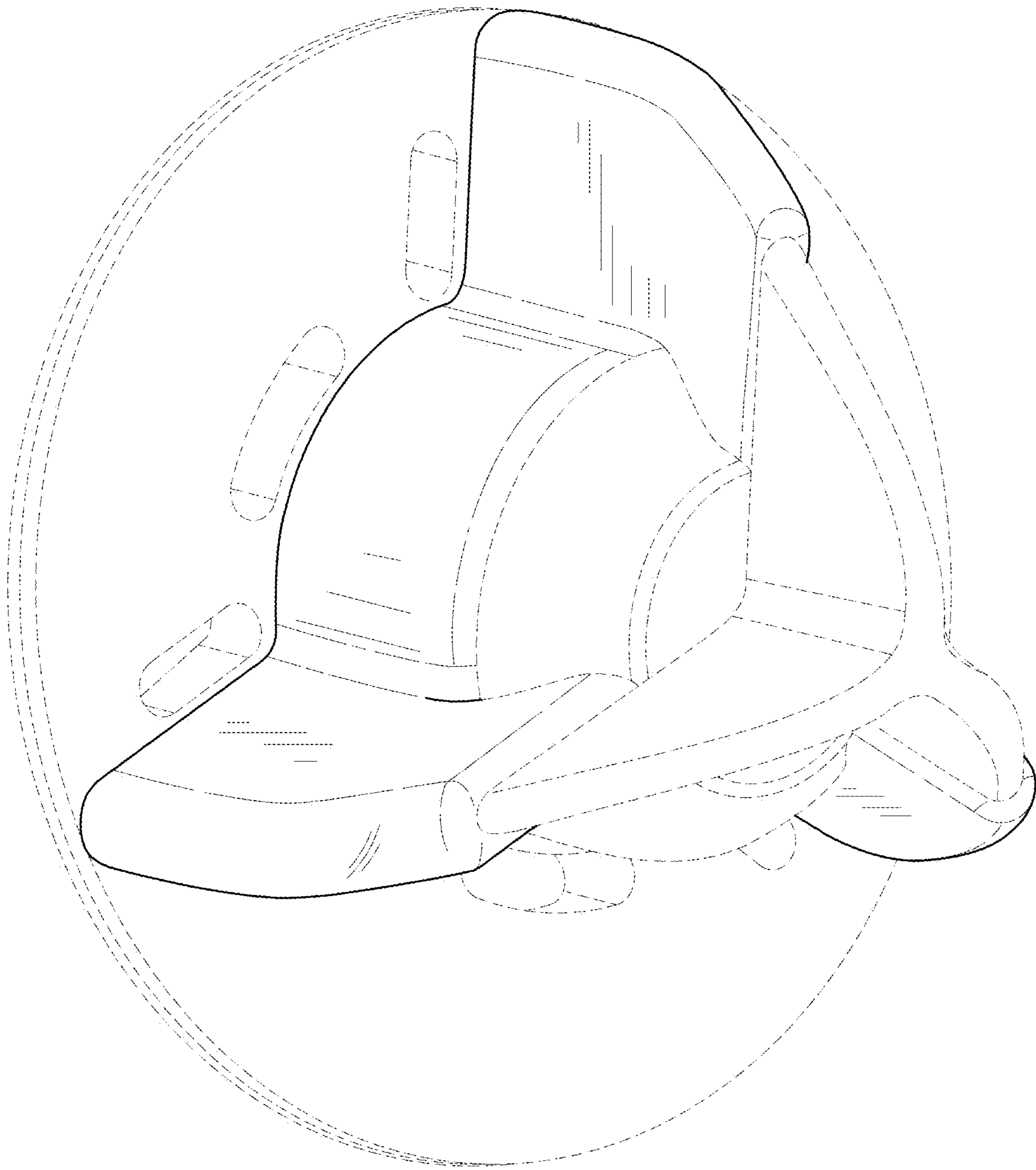


FIG. 18

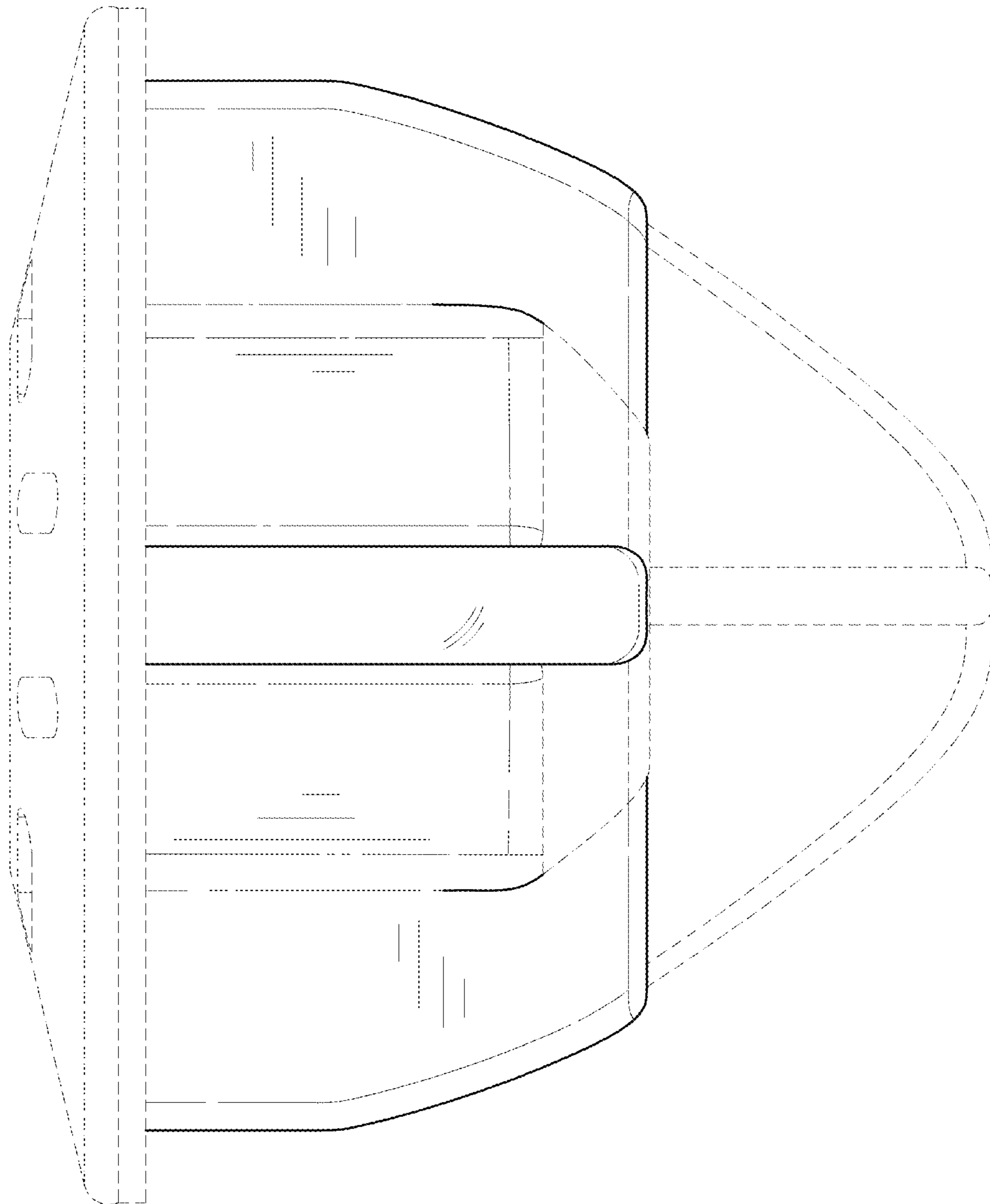


FIG. 19

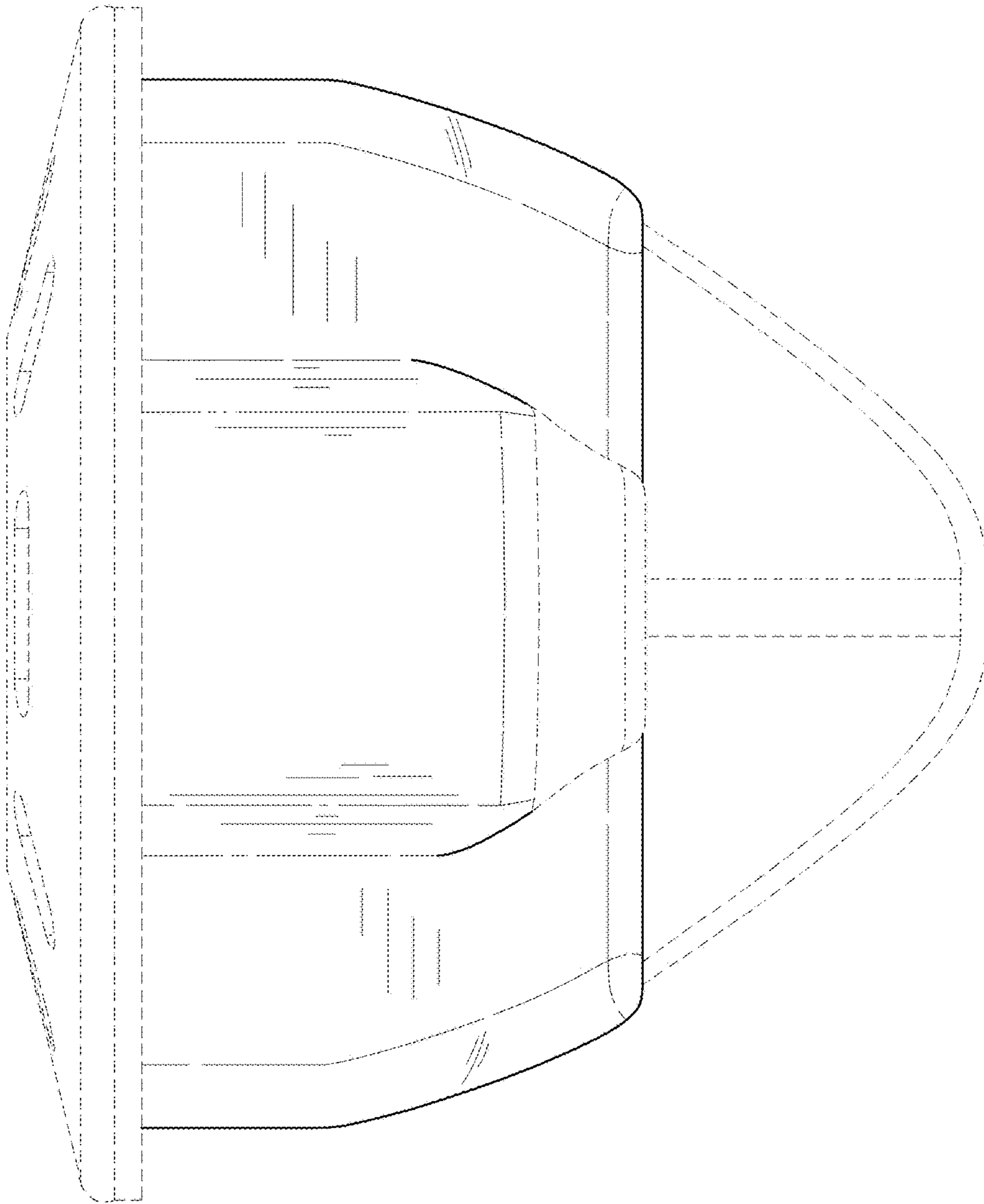


FIG. 20

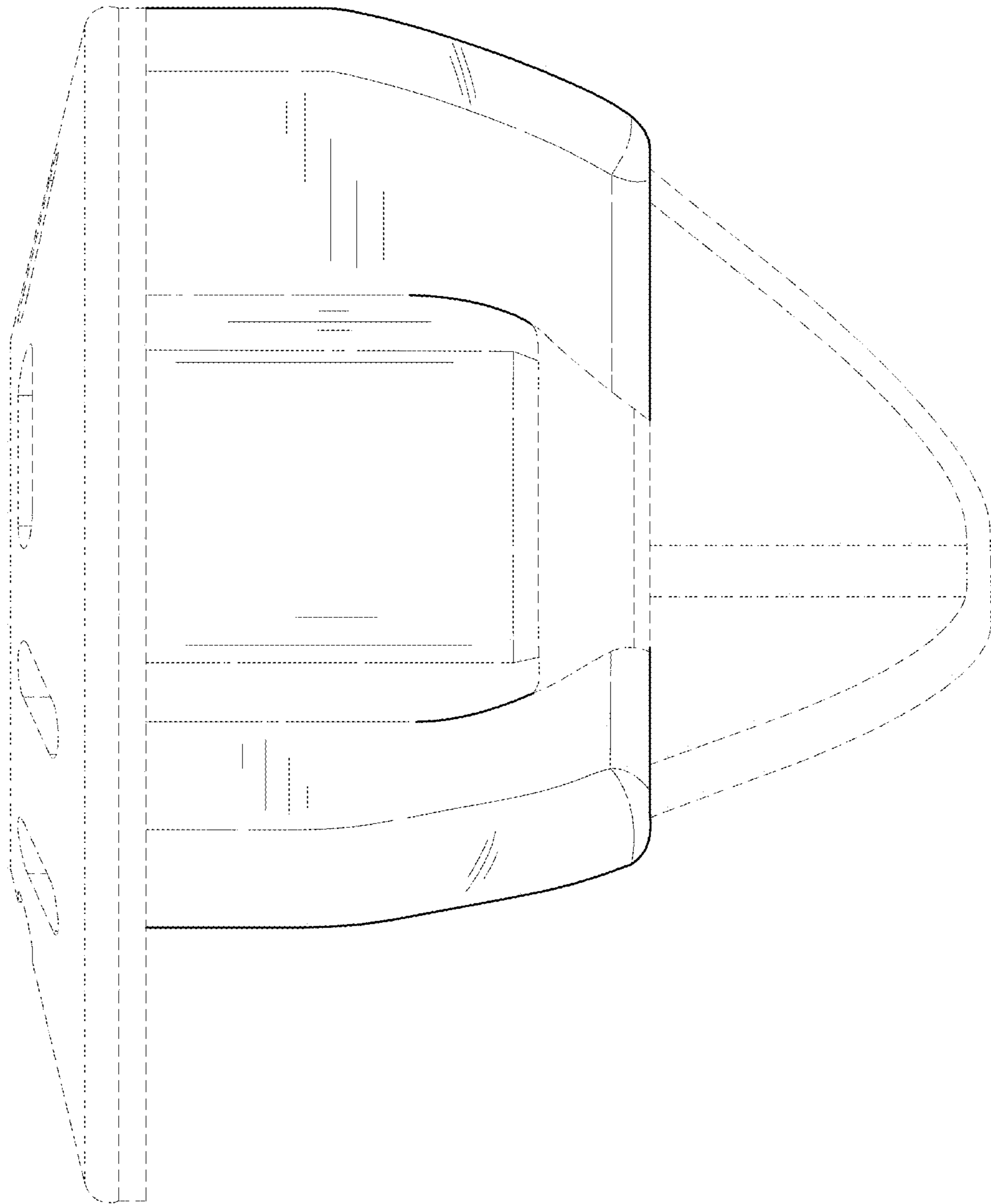


FIG. 21

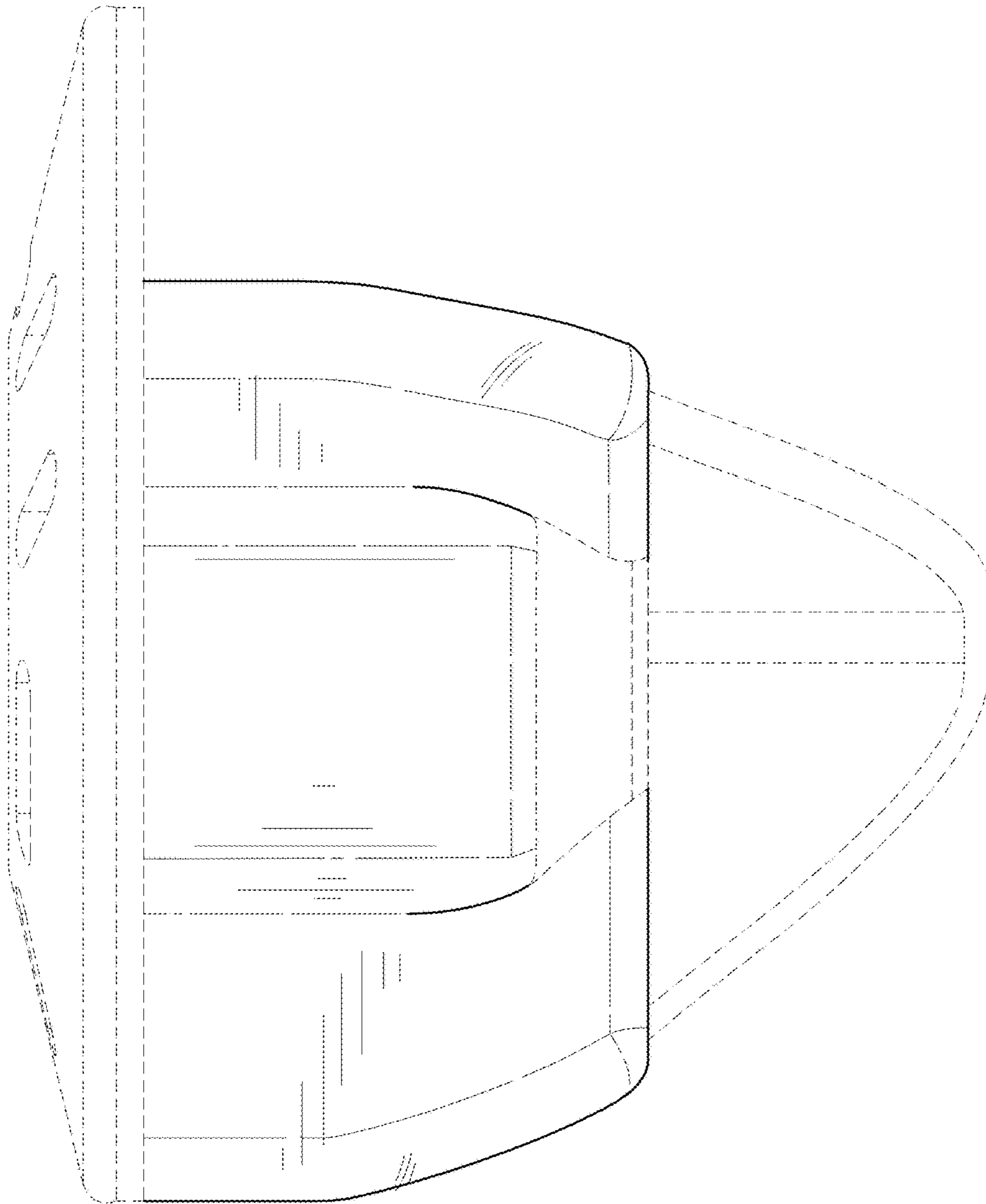


FIG. 22

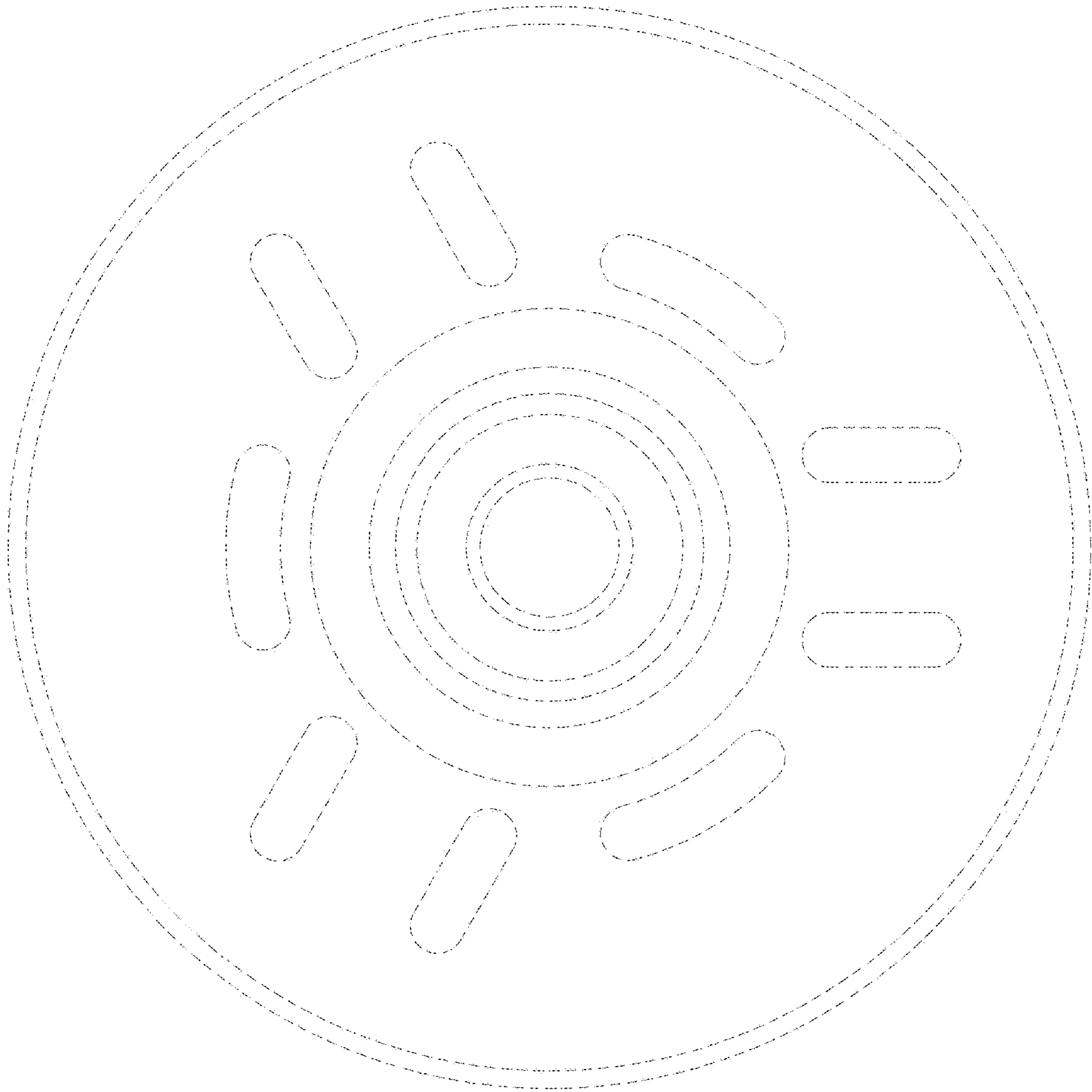


FIG. 23

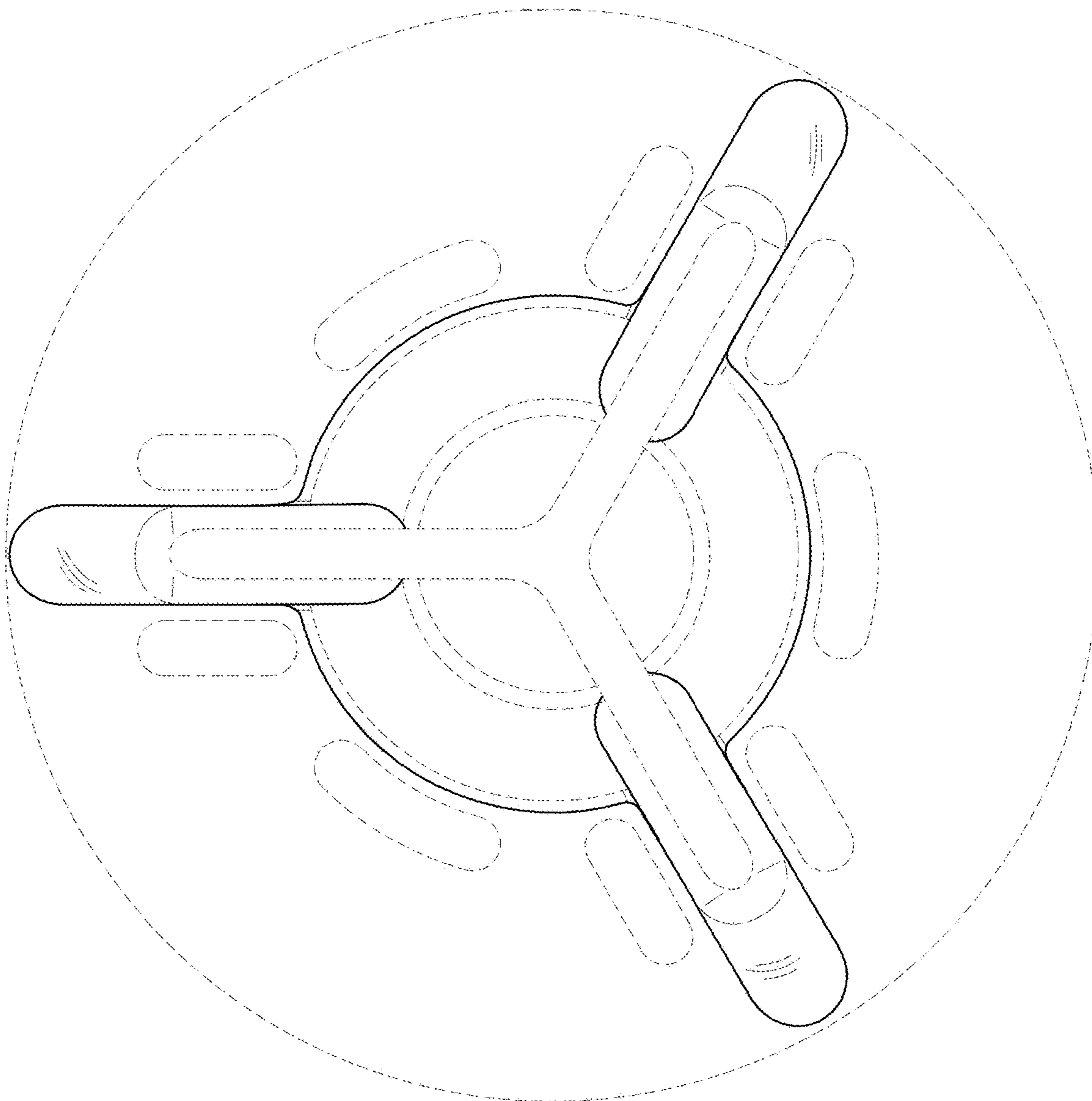


FIG. 24