



US00D940131S

(12) **United States Design Patent** (10) **Patent No.:** **US D940,131 S**
Jo et al. (45) **Date of Patent:** **** Jan. 4, 2022**

(54) **DISPLAY PANEL**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Samsung Display Co., Ltd.**, Yongin-si (KR)

CN 306059058 * 9/2020
CN 306059059 * 9/2020
KR 10-2017-0143142 A 12/2017

(72) Inventors: **Seung Han Jo**, Seoul (KR); **Min Chae Kwak**, Los Angeles, CA (US); **Byung Sun Kim**, Hwaseong-si (KR); **Il Goo Youn**, Asan-si (KR); **Ji Eun Lee**, Seoul (KR); **Jun Young Jo**, Suwon-si (KR); **Min Hee Choi**, Hwaseong-si (KR)

OTHER PUBLICATIONS

LCD Display Screen Module, Mioyoow, amazon.com, published by Mioyoow on Nov. 5, 2020 © 1996-2021 Amazon.com, Inc., online, visited May 11, 2021. URL: https://www.amazon.com/Display-Screen-Interface-240x240-Resolution/dp/B08MTJ2W79/ref=sr_1_2?dchild=1&keywords=round+TFT+module&qid=1620765881&sr=8-2 (Year: 2020).*

(73) Assignee: **Samsung Display Co., Ltd.**, Yongin-si (KR)

(Continued)

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

Primary Examiner — Holly E Thurman
Assistant Examiner — Altaira J Swangin

(21) Appl. No.: **29/721,795**

(74) *Attorney, Agent, or Firm* — Lewis Roca Rothgerber Christie LLP

(22) Filed: **Jan. 23, 2020**

(57) **CLAIM**

(30) **Foreign Application Priority Data**

The ornamental design for a display panel, as shown and described.

Jul. 29, 2019 (KR) 30-2019-0036176
Jul. 29, 2019 (KR) 30-2019-0036177
Jul. 29, 2019 (KR) 30-2019-0036178

DESCRIPTION

(51) **LOC (13) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/371**

(58) **Field of Classification Search**
USPC D14/371, 373, 125–128, 217, 374, 900,
D14/341, 344–345, 348–349, 351–359,
(Continued)

FIG. 1 is a perspective view of the display panel according to an embodiment of the present design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof;
FIG. 8 is another front perspective view of the display panel of FIG. 1 in an alternate configuration of use;
FIG. 9 is a perspective view of the display panel according to an embodiment of the present design;
FIG. 10 is a front view thereof;
FIG. 11 is a rear view thereof;
FIG. 12 is a left side view thereof;
FIG. 13 is a right side view thereof;
FIG. 14 is a top view thereof;

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,348,899 A * 8/1920 Sargent G09F 1/04
40/310
2,080,733 A * 5/1937 Mull G09F 1/04
40/124.09

(Continued)

(Continued)

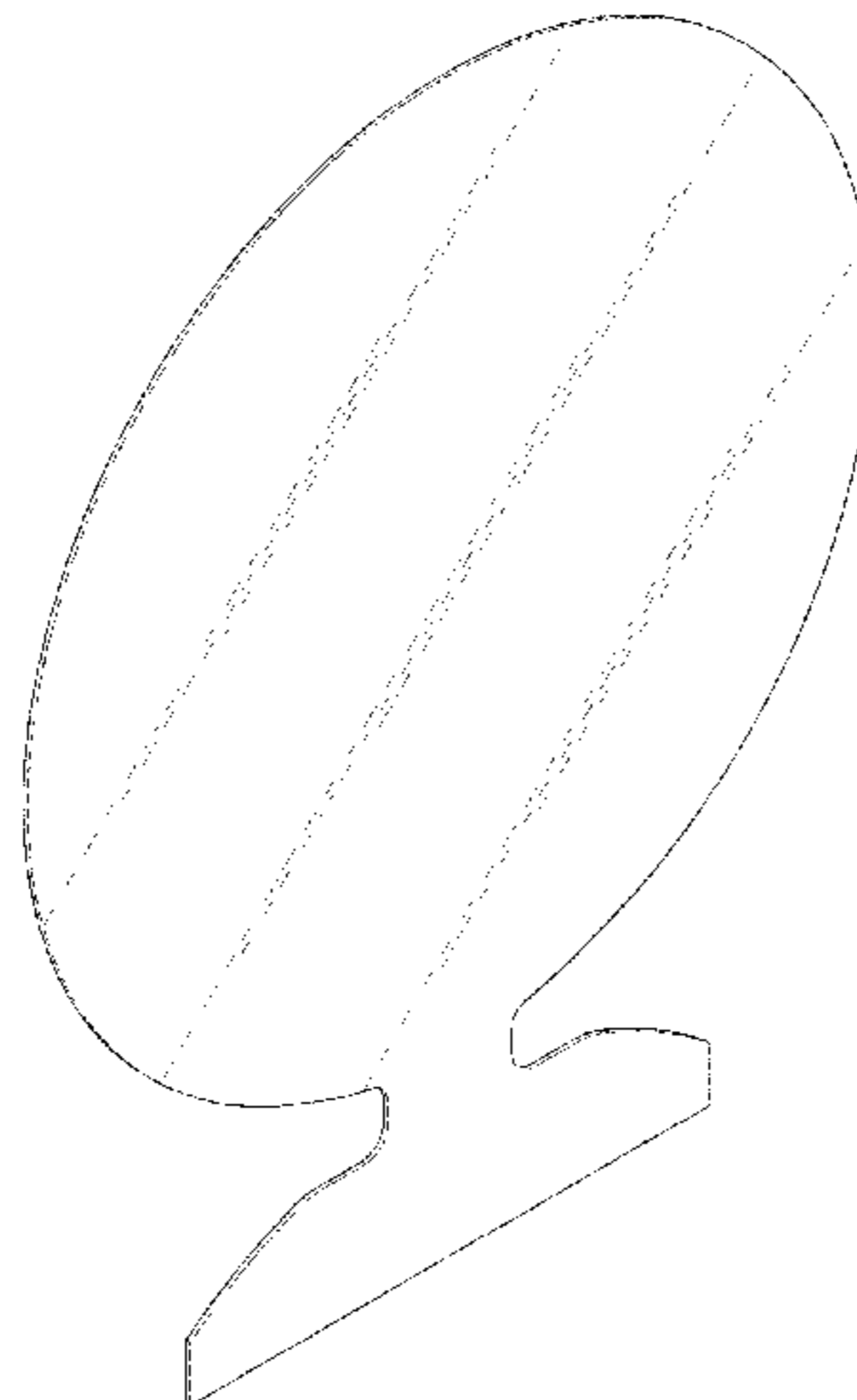


FIG. 15 is a bottom view thereof;
 FIG. 16 is another front perspective view of the display panel of FIG. 9 in an alternate configuration of use;
 FIG. 17 is a perspective view of the display panel according to an embodiment of the present design;
 FIG. 18 is a front view thereof;
 FIG. 19 is a rear view thereof;
 FIG. 20 is a left side view thereof;
 FIG. 21 is a right side view thereof;
 FIG. 22 is a top view thereof;
 FIG. 23 is a bottom view thereof; and,
 FIG. 24 is another front perspective view of the display panel of FIG. 17 in an alternate configuration of use.
 The broken lines in FIGS. 8, 16, and 24 depict environment corresponding to a screen in electronic devices for displaying videos, images, text, icons, or information and form no part of the claimed design.

1 Claim, 18 Drawing Sheets

(58) **Field of Classification Search**

USPC D14/363, 440-442, 444, 446, 478, 367;
 D13/107; D10/30, 103, 123, 125, 132,
 D10/38; D16/101, 216-217; D19/37,
 D19/39-40; D20/11, 22, 27; D6/309,
 D6/615

CPC G06F 1/20; H05K 5/00; H05K 5/0213;
 H05K 5/03; H01L 51/56

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,774,328 A * 11/1973 Tanney G09F 3/20
 40/661.09
 D262,802 S * 1/1982 Ylvisaker 273/150
 D266,318 S * 9/1982 Noguchi D10/123
 D286,862 S * 11/1986 Yu D11/141
 4,630,093 A * 12/1986 Yamaguchi H01L 21/02019
 148/33
 D297,057 S * 8/1988 Gardner D30/155
 5,182,233 A * 1/1993 Inoue H01L 21/304
 148/DIG. 28
 5,230,747 A * 7/1993 Maejima C30B 29/06
 148/33.2
 D433,071 S * 10/2000 Barrett D20/40
 D483,574 S * 12/2003 Wanek D6/309
 6,817,127 B2 * 11/2004 Gottlieb G09F 3/04
 40/584
 6,927,416 B2 * 8/2005 Arai H01L 21/67259
 257/48

D525,483 S * 7/2006 Schutts D7/407
 D529,724 S * 10/2006 Mohundro D6/309
 D541,595 S * 5/2007 Barnes D7/624.1
 D556,265 S * 11/2007 Cuzzocrea D20/40
 D559,560 S * 1/2008 Mischel, Jr. D14/129
 D575,169 S * 8/2008 Wakamatsu D10/46
 D577,208 S * 9/2008 Thompson D6/309
 D585,497 S * 1/2009 Williams, Jr. D20/22
 D596,240 S * 7/2009 Muniz D20/28
 D603,726 S * 11/2009 Watanabe D10/46
 D615,401 S * 5/2010 Ouimette D9/457
 D651,991 S * 1/2012 Nishiguchi D13/182
 8,264,303 B2 * 9/2012 Suzuki H03H 9/059
 333/193
 8,389,099 B1 * 3/2013 Matthews H01L 21/02013
 428/66.7
 8,981,531 B2 * 3/2015 Iwasaki H01L 21/2007
 257/618
 D741,408 S * 10/2015 Engelby D20/40
 D761,736 S * 7/2016 Imai D13/154
 D789,311 S * 6/2017 Okada D13/182
 D791,091 S * 7/2017 Okada D13/182
 D792,024 S * 7/2017 Maman D28/20
 D802,660 S * 11/2017 Pryor D19/1
 D809,804 S * 2/2018 Tai D5/99
 D832,351 S * 10/2018 Oshima D20/10
 D841,607 S * 2/2019 Sunagawa D13/182
 D849,422 S * 5/2019 Tai D5/99
 D852,172 S * 6/2019 Wu D14/230
 10,398,343 B2 * 9/2019 Murphy A61B 5/6803
 D871,215 S * 12/2019 Yu D9/456
 D899,108 S * 10/2020 Chen D6/309
 D910,755 S * 2/2021 Milbrandt D20/22
 D918,848 S * 5/2021 Sugiura D13/182
 D923,002 S * 6/2021 Hong D14/344
 D924,823 S * 7/2021 Saiki D13/182
 2010/0244631 A1 * 9/2010 Kobayashi H03H 9/02574
 310/346
 2014/0145558 A1 * 5/2014 Hori H03H 9/0595
 310/313 R
 2015/0042207 A1 * 2/2015 Hori H01L 41/312
 310/313 R
 2015/0102707 A1 * 4/2015 Hori H03H 9/25
 310/348
 2018/0013092 A1 * 1/2018 Park H01L 51/0097
 2020/0013970 A1 * 1/2020 Wang H01L 51/0097

OTHER PUBLICATIONS

800x800 Round Screen Display Panel, DisplayModule, displaymodule.com, author unlisted, published on Mar. 12, 2019 per wayback machine © 2021 DisplayModule, online, site visited May 14, 2021. Available at URL: <https://www.displaymodule.com/products/dm-tftr34-359> (Year: 2019).*

* cited by examiner

FIG. 1

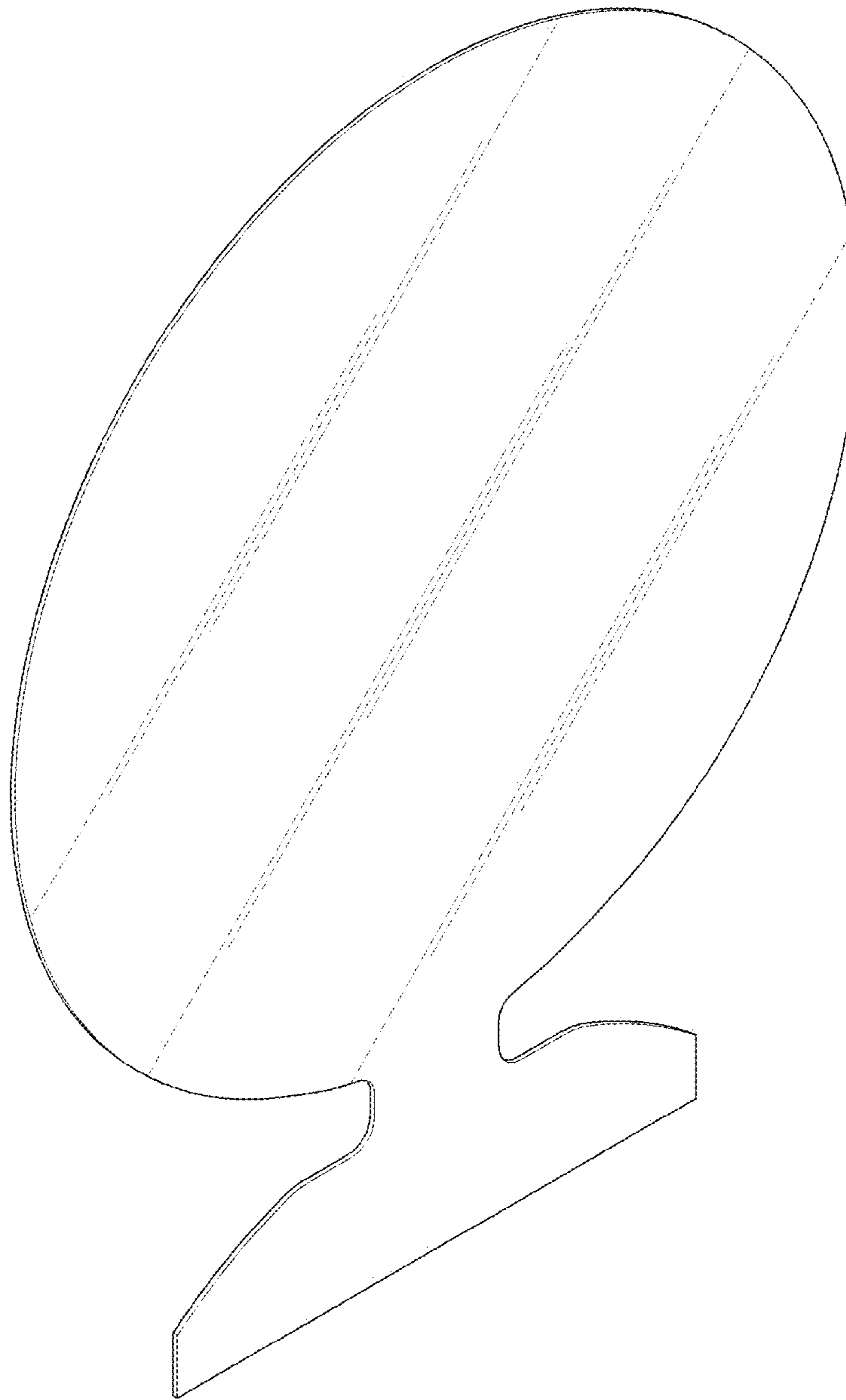


FIG. 2

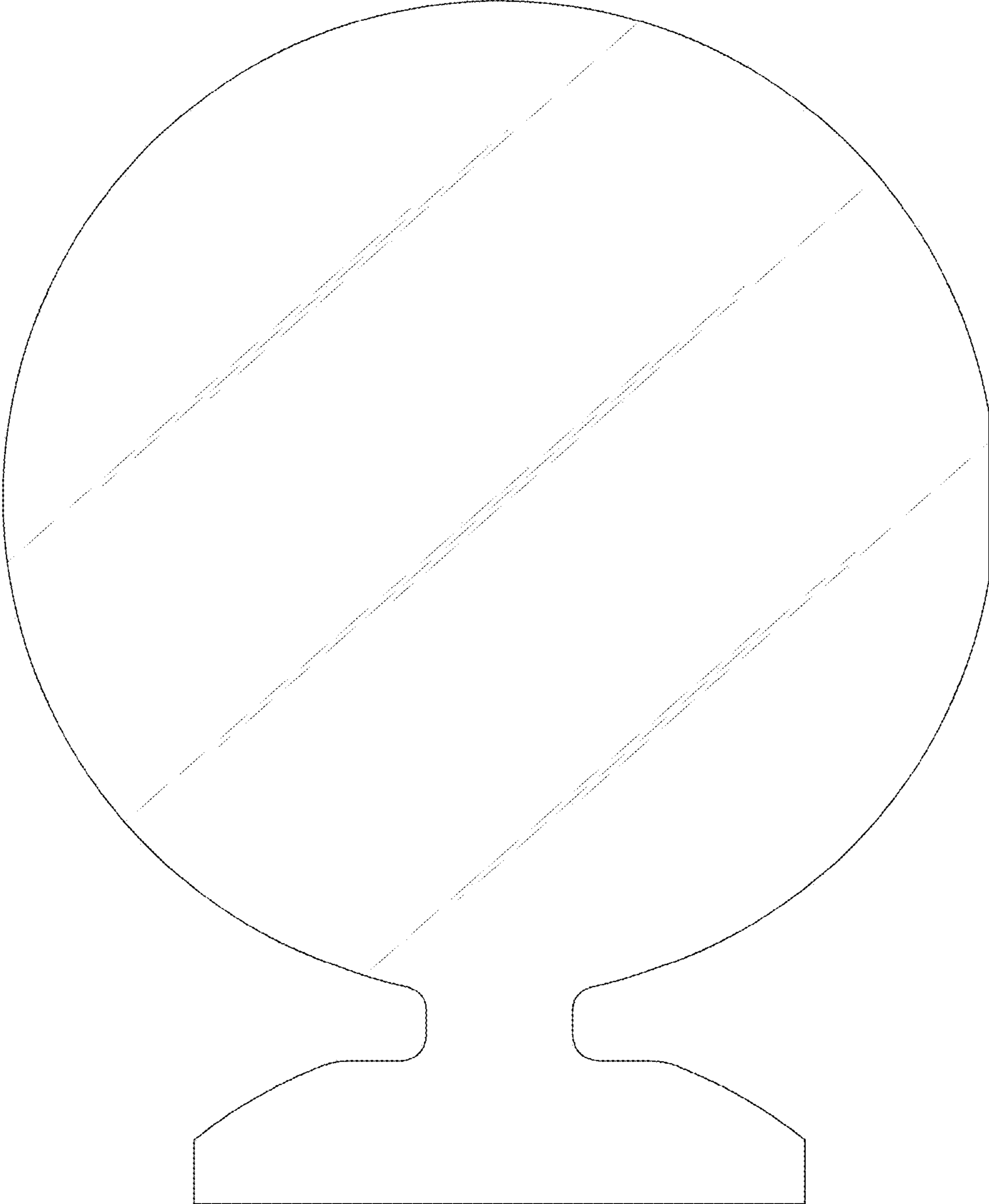


FIG. 3

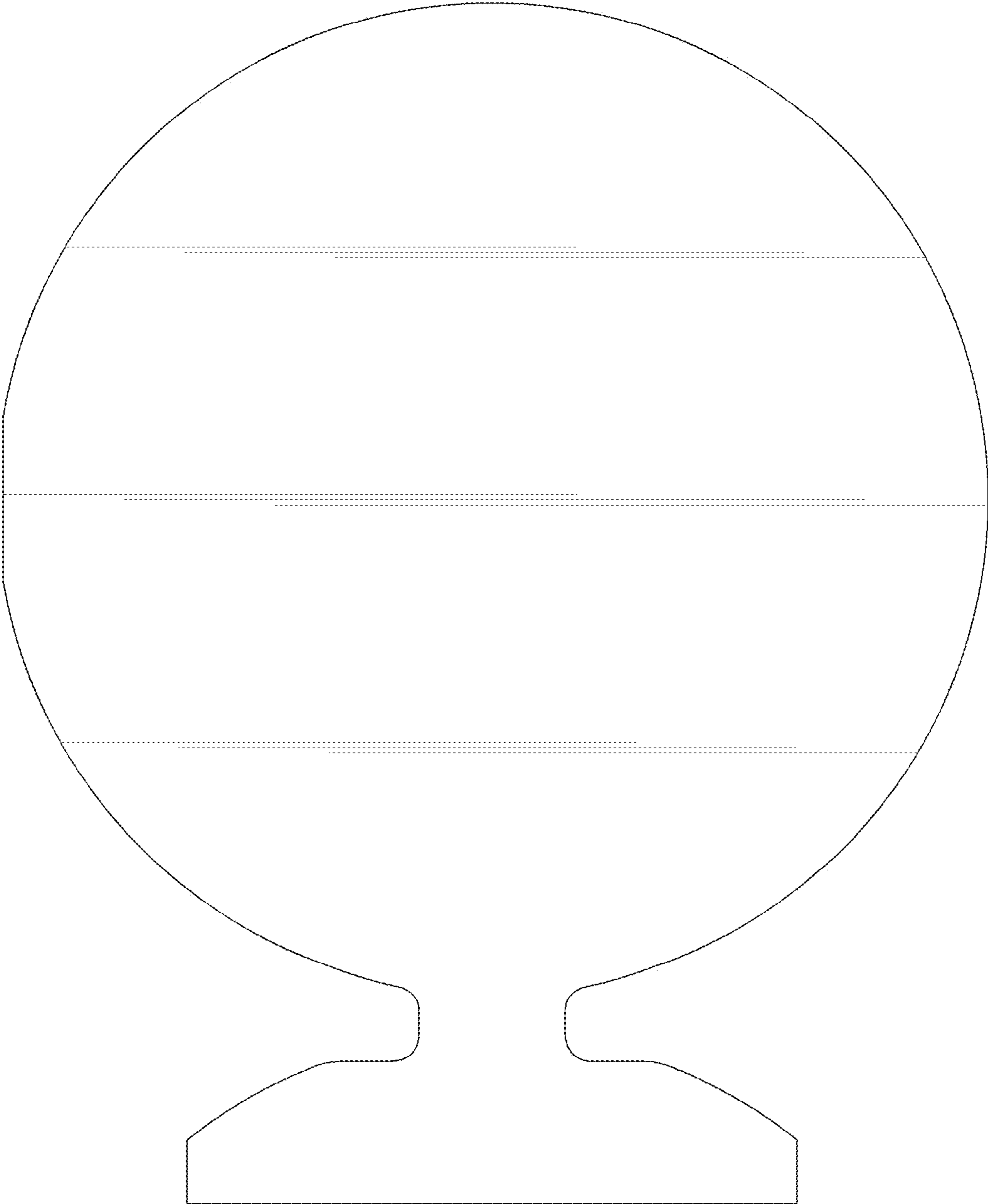


FIG. 4

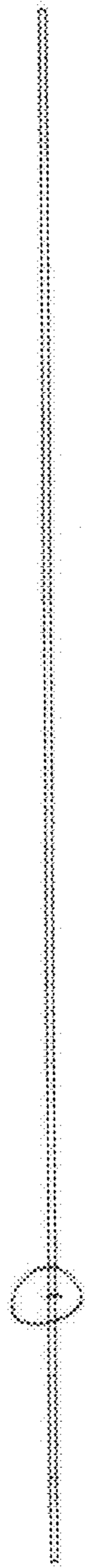


FIG. 5

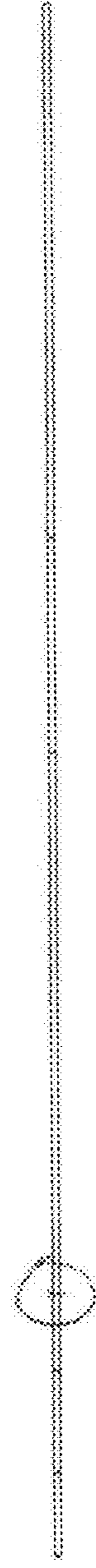


FIG. 6

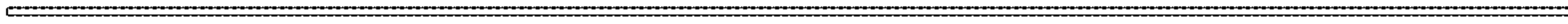


FIG. 7

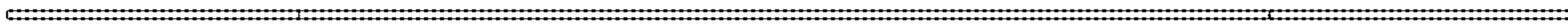


FIG. 8

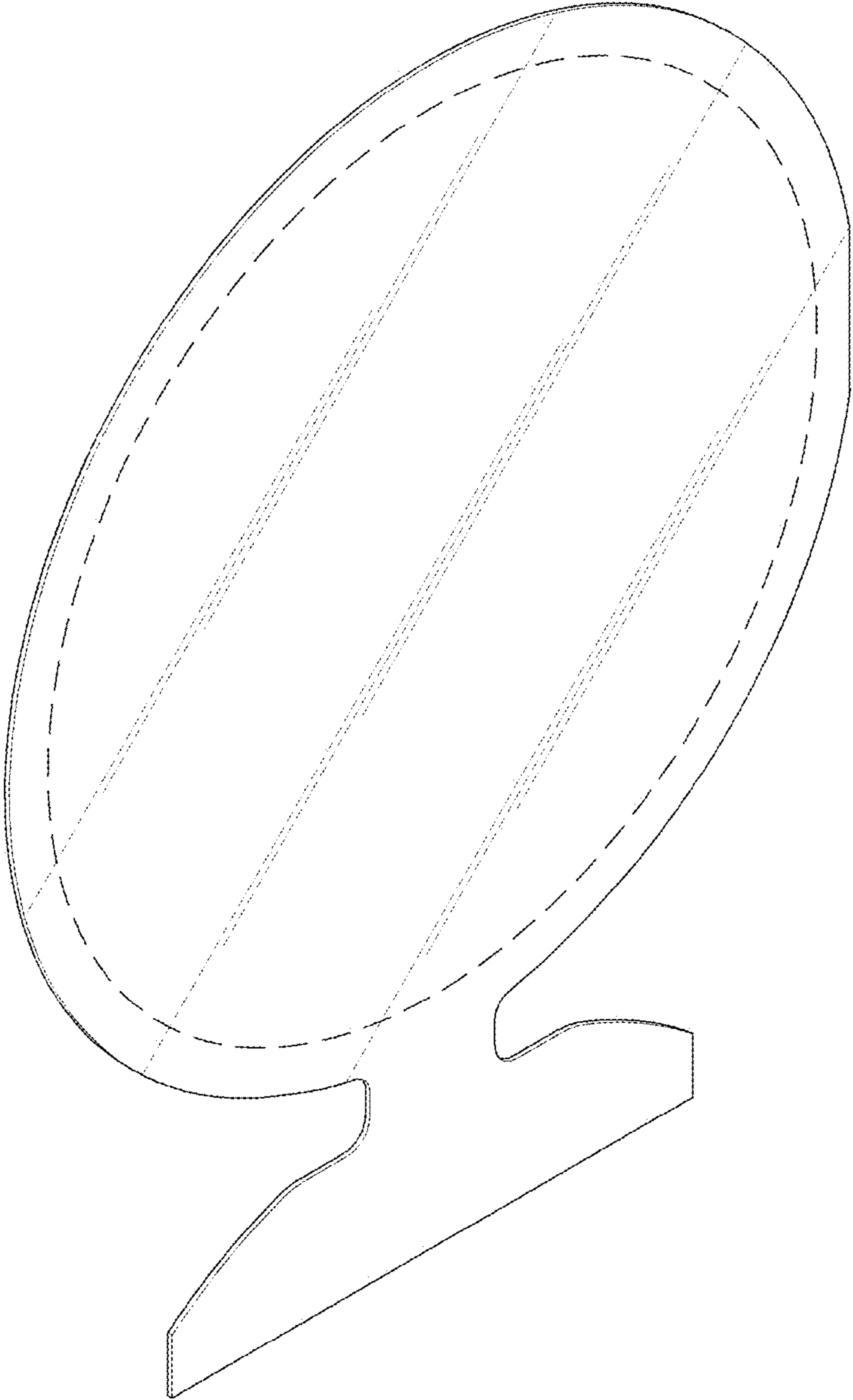


FIG. 9

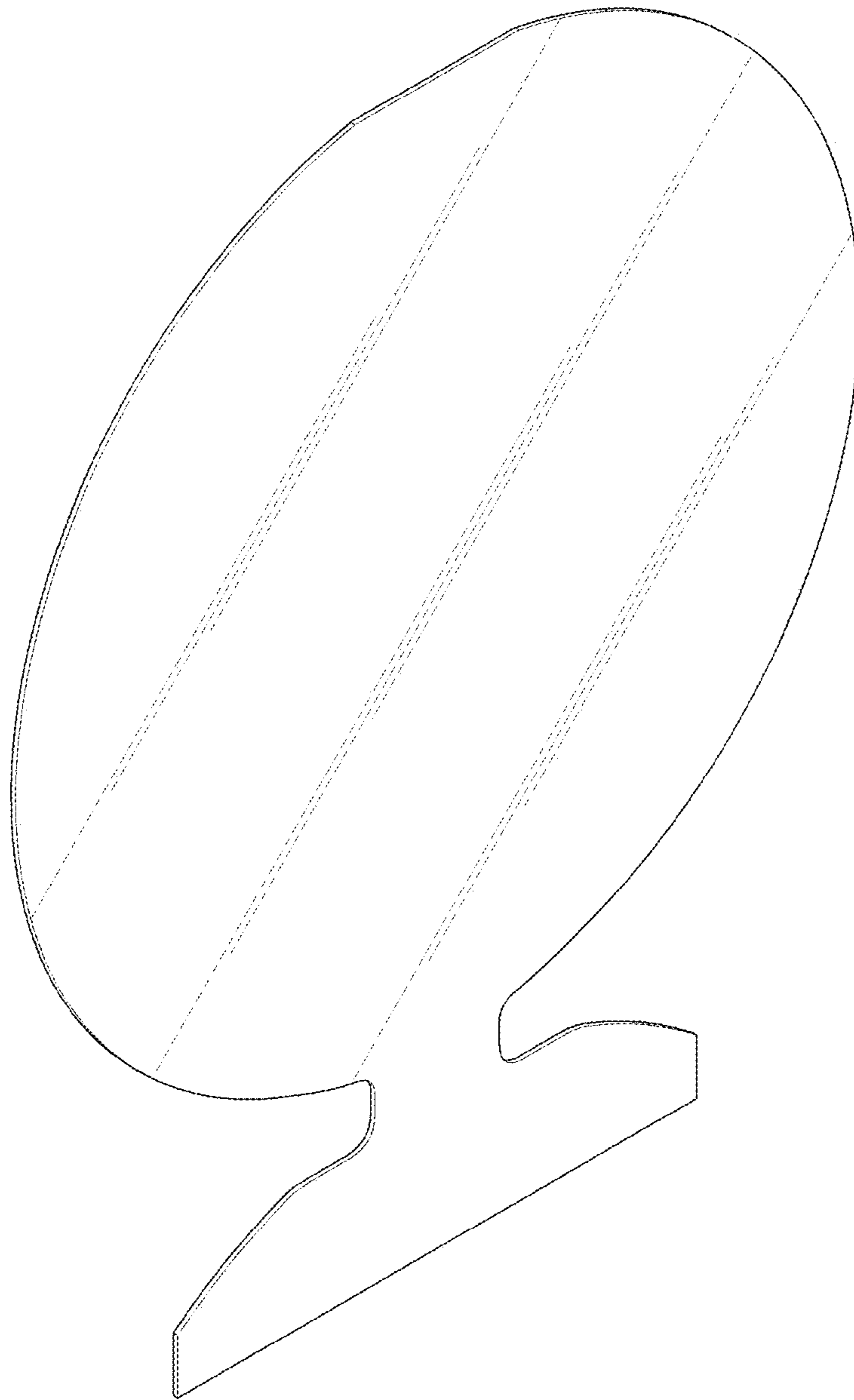


FIG. 10

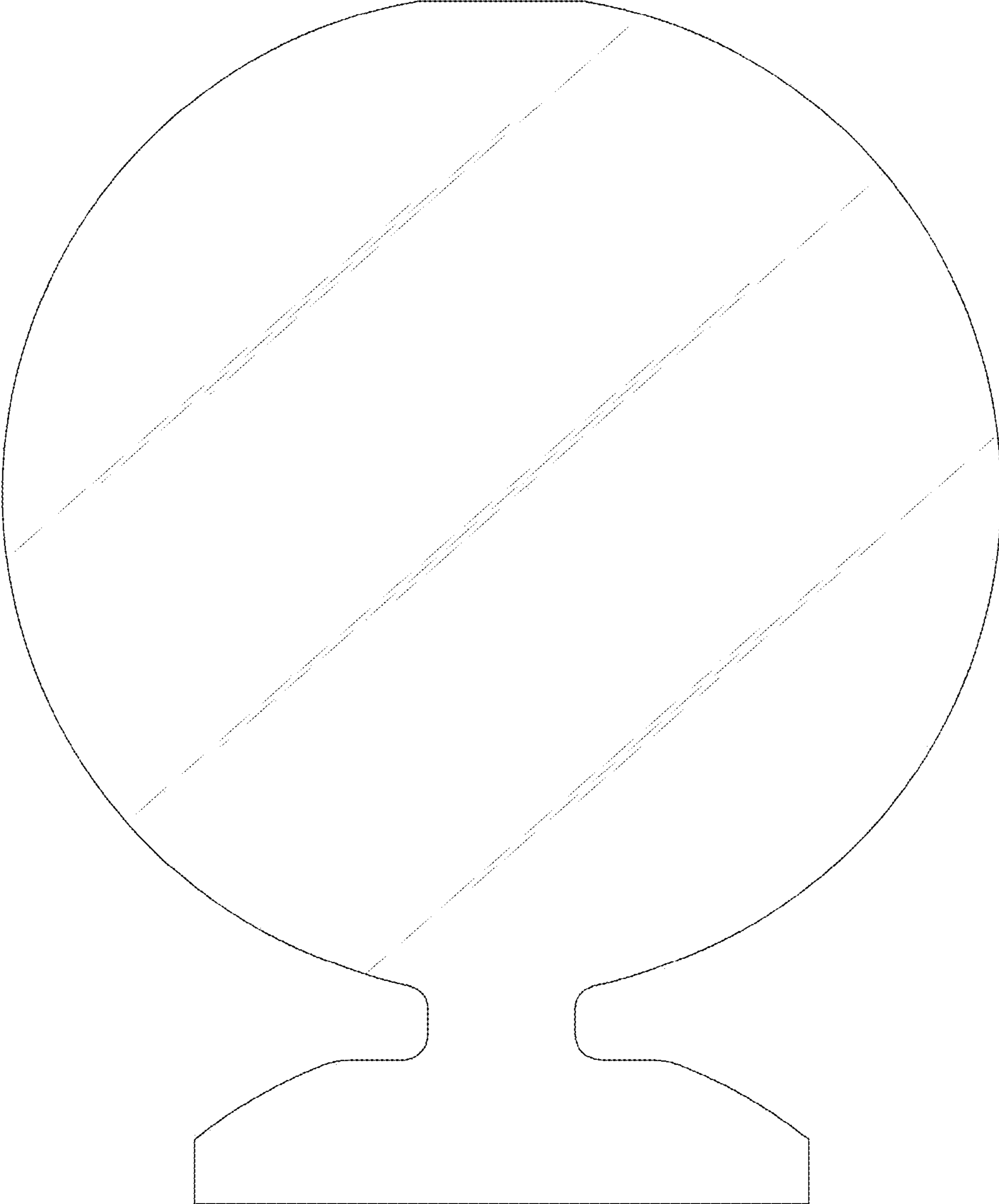


FIG. 11

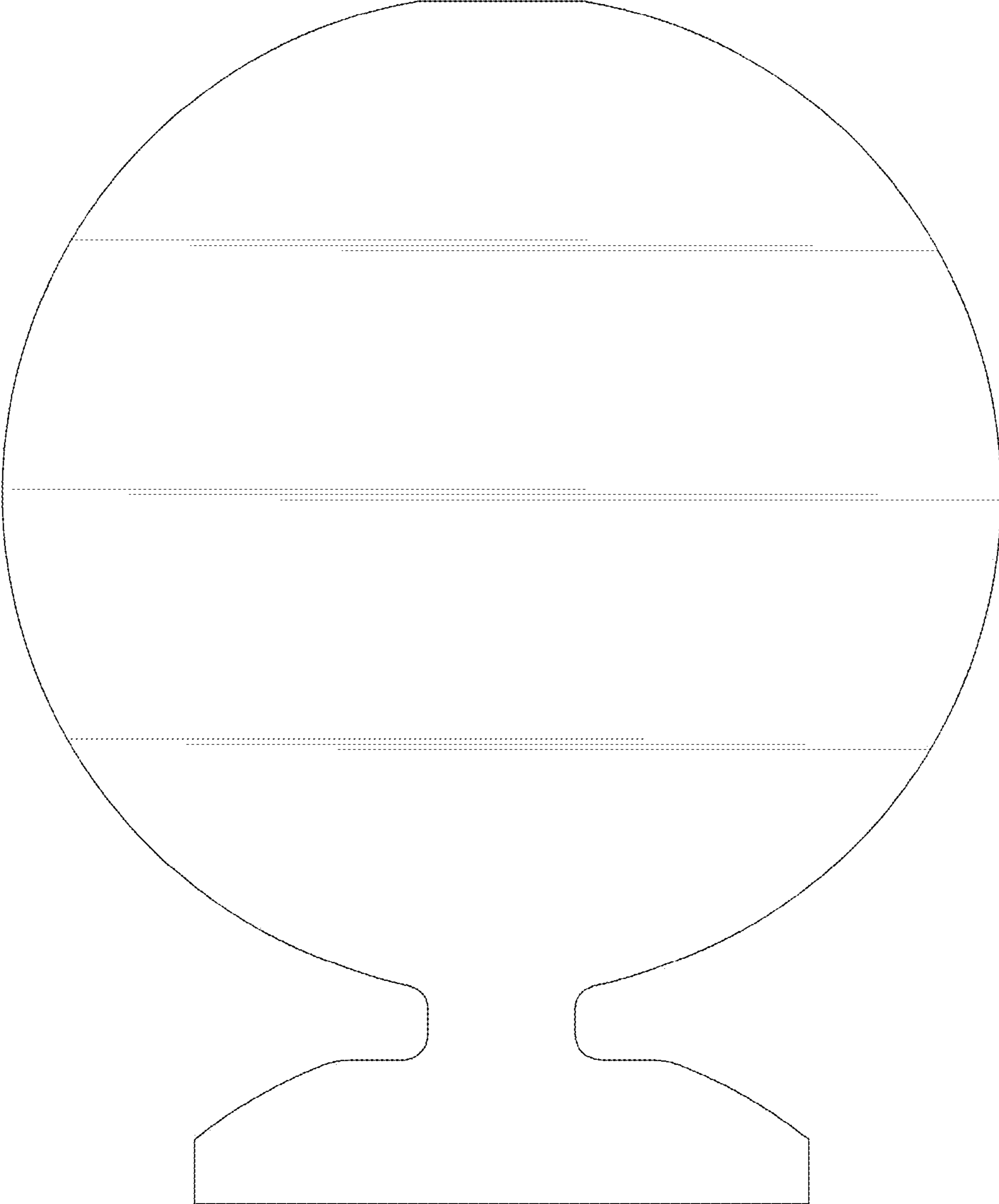


FIG. 12

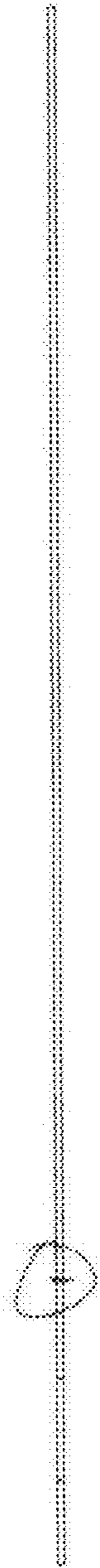


FIG. 13

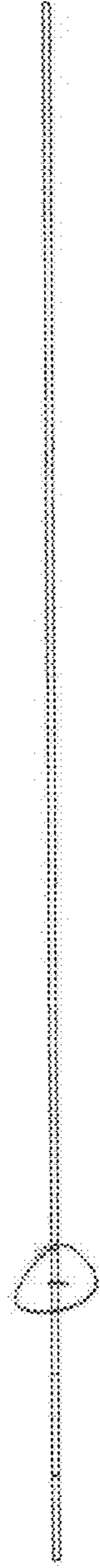


FIG. 14

FIG. 15

FIG. 16

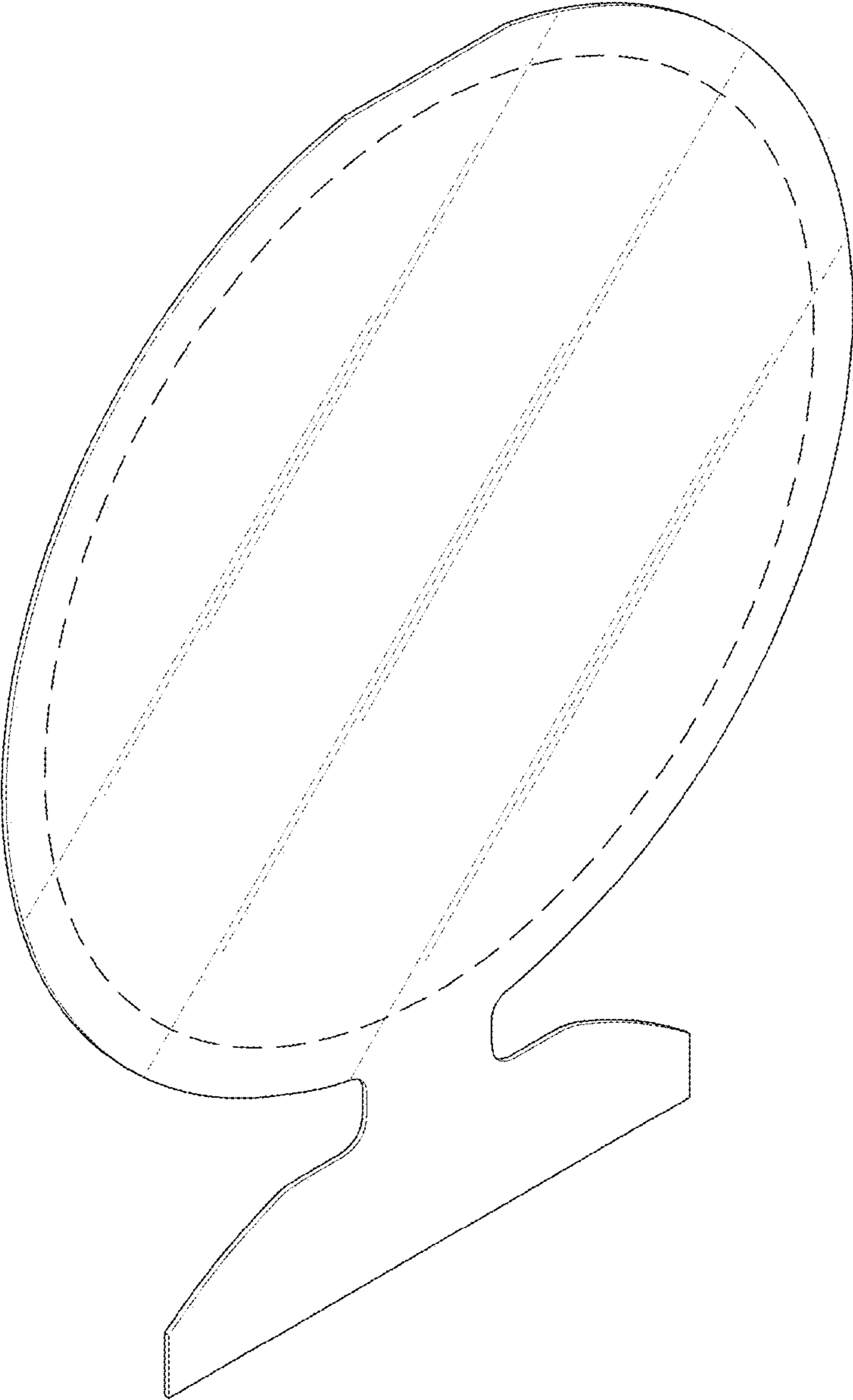


FIG. 17

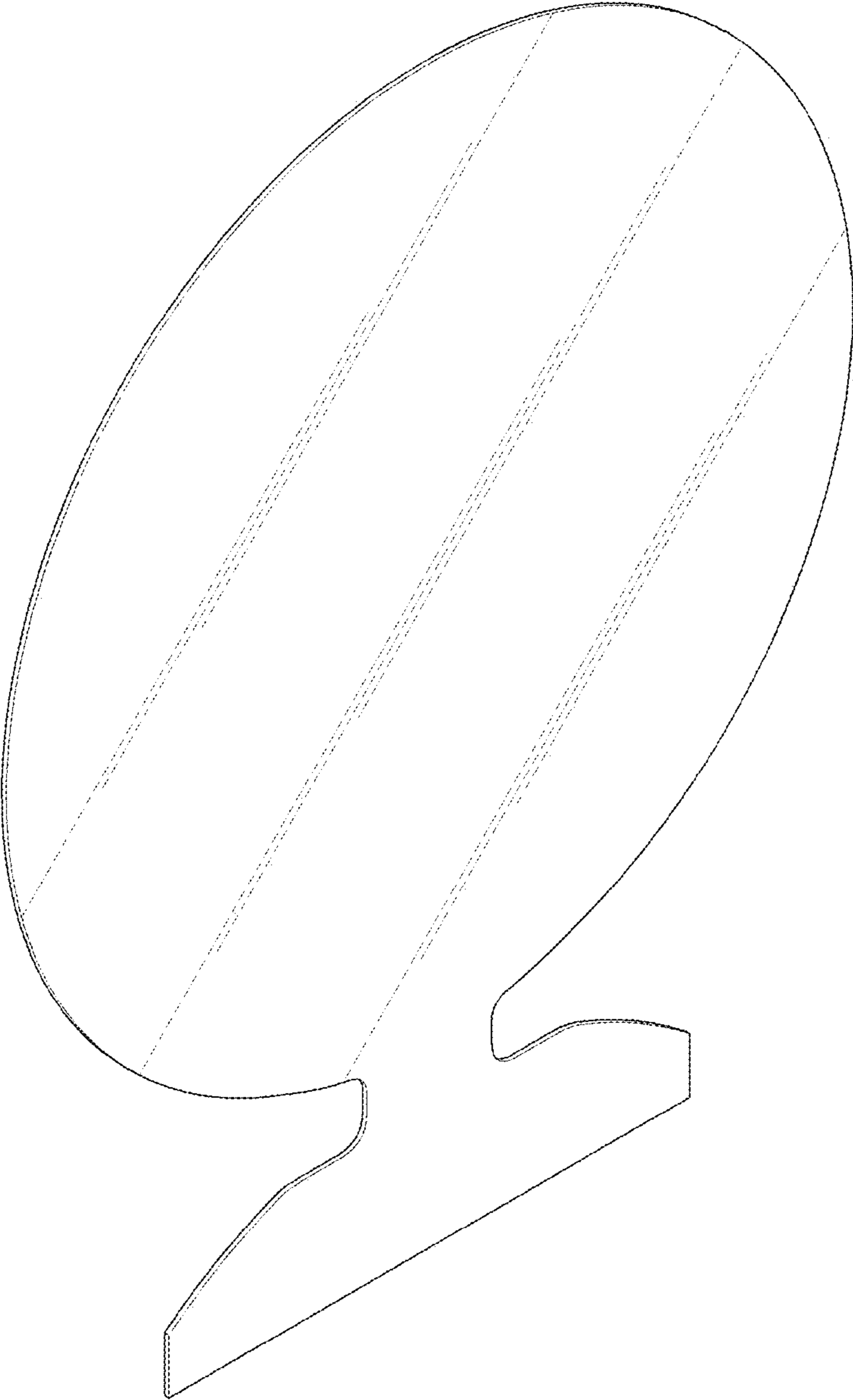


FIG. 18

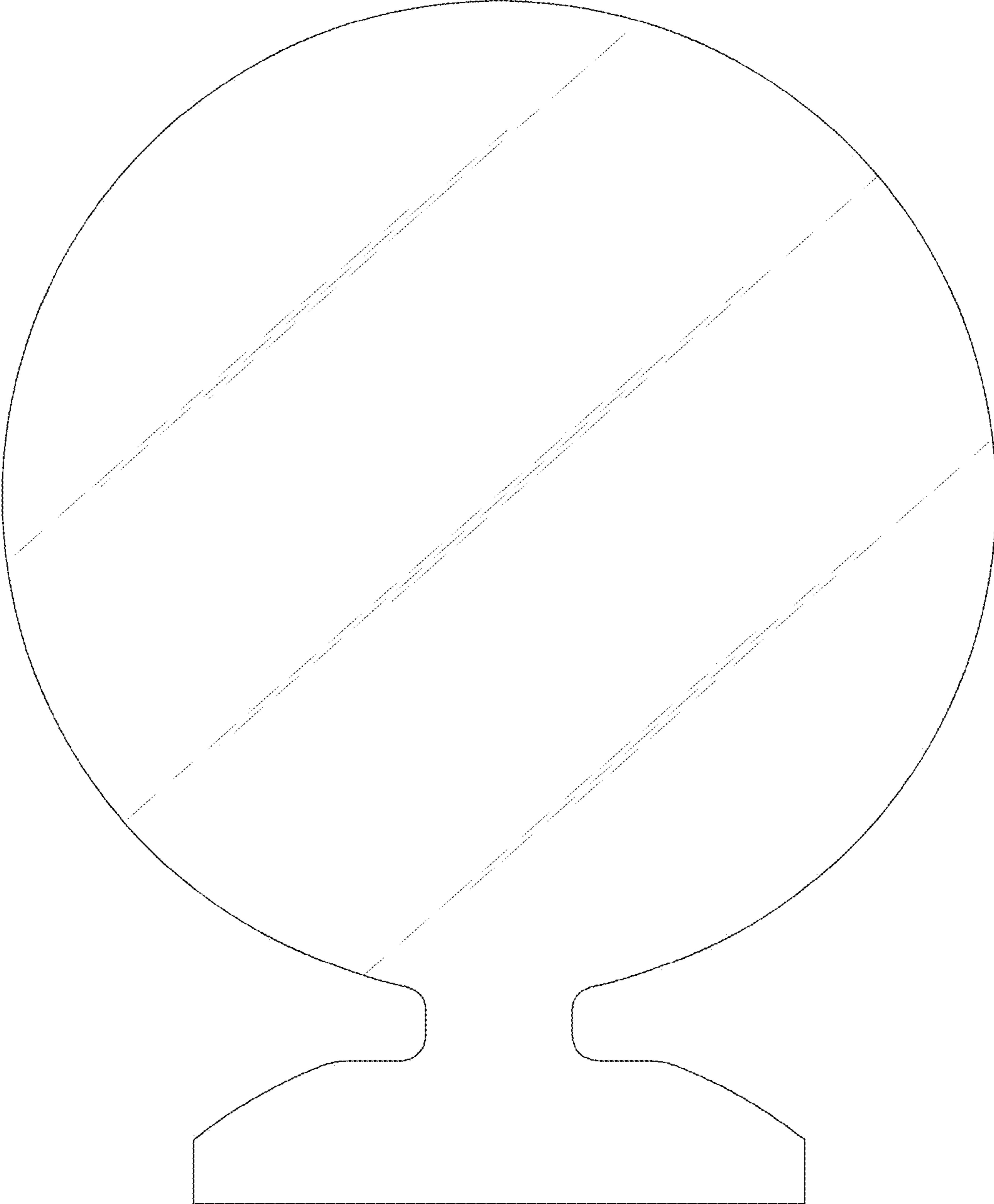


FIG. 19

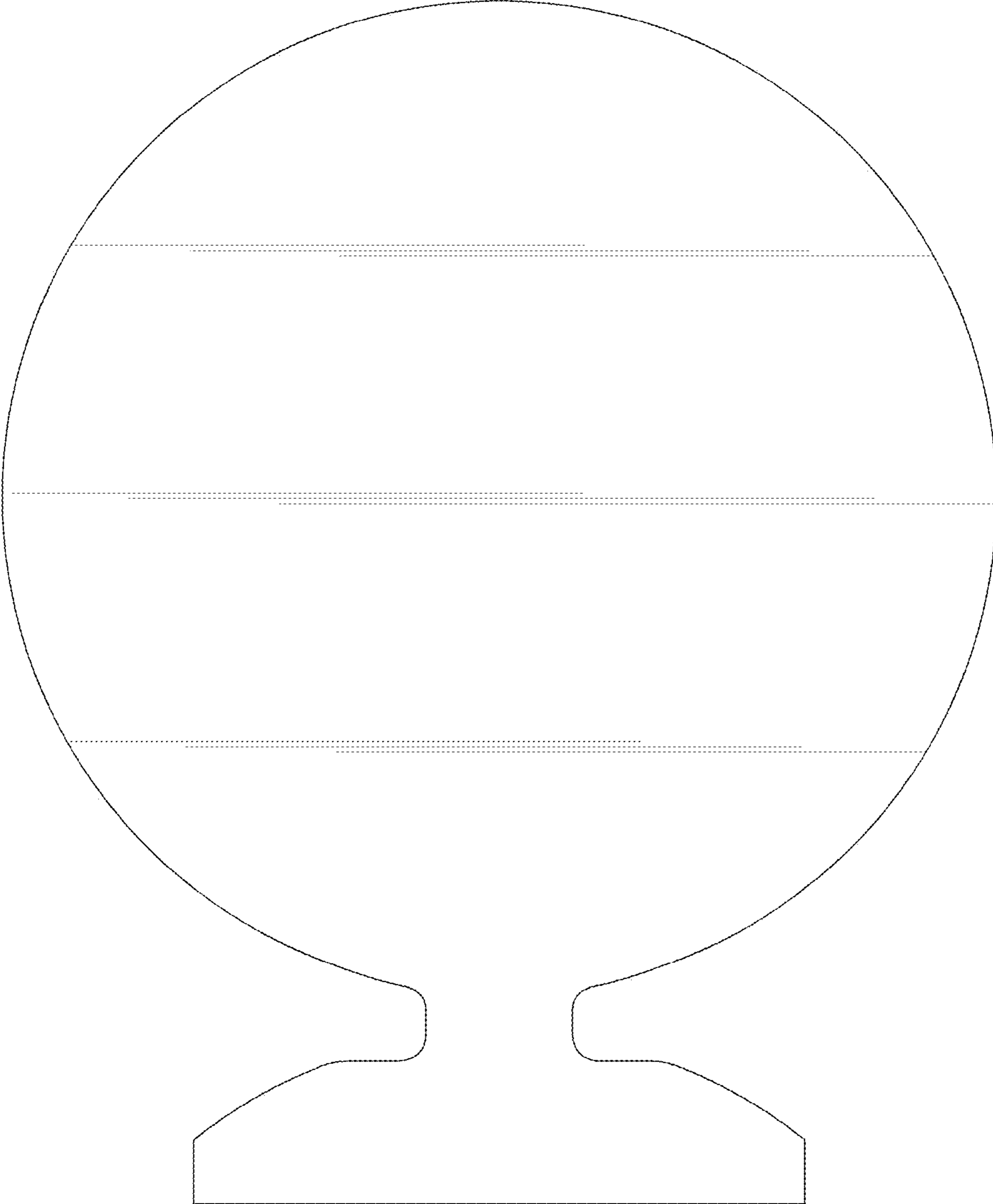


FIG. 20



FIG. 21

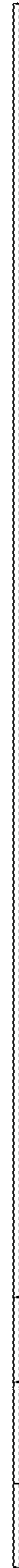


FIG. 22

FIG. 23

FIG. 24

