



US00D788602S

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

(10) **Patent No.:** **US D788,602 S**
(45) **Date of Patent:** **** Jun. 6, 2017**

(54) **SENSOR DEVICE FOR CONTROL OF FLUID DISTRIBUTION IN A WATERING SYSTEM**

D609,588 S * 2/2010 Morton D10/56
D643,907 S 8/2011 Hung
D677,362 S 3/2013 Christopher

(71) Applicant: **HUSQVARNA AB**, Huskvarna (SE)

(Continued)

(72) Inventors: **Jens Näslund**, Spånga (SE); **Daniel Gunnarsson**, Danderyd (SE); **Tor Sigurdson**, Stockholm (SE)

FOREIGN PATENT DOCUMENTS

AU 356868 A 8/2014
AU 356870 A 8/2014

(Continued)

(73) Assignee: **HUSQVARNA AB**, Huskvarna (SE)

Primary Examiner — Antoine D Davis

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

(74) *Attorney, Agent, or Firm* — Nelson Mullins Riley & Scarborough LLP

(21) Appl. No.: **29/541,974**

(22) Filed: **Oct. 9, 2015**

(57) **CLAIM**

(30) **Foreign Application Priority Data**

The ornamental design for the sensor device for control of fluid distribution in a watering system, as shown and described.

Apr. 10, 2015 (EM) 002678821-0022

DESCRIPTION

(51) **LOC (10) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/47**; D10/53; D10/56

(58) **Field of Classification Search**
USPC D10/46, 47, 52, 53, 56
CPC G01D 1/245; G01B 5/30; G01M 5/0075;
G01N 29/045; G01N 29/12; G01N 29/2475; G01N 29/2481; G01J 1/429;
A63B 24/0084; A63B 24/0062; A63B 24/0075; A63B 69/0028; A63B 71/0622;
A63B 71/068

FIG. 1 is a perspective view of a sensor device for control of fluid distribution in a watering system in accordance with an embodiment of the present invention;
FIG. 2 is a front view of the sensor device for control of fluid distribution in a watering system of FIG. 1;
FIG. 3 is a back view of the sensor device for control of fluid distribution in a watering system of FIG. 1;
FIG. 4 is a left side view of the sensor device for control of fluid distribution in a watering system of FIG. 1;
FIG. 5 is a right side view of the sensor device for control of fluid distribution in a watering system of FIG. 1;
FIG. 6 is a top view of the sensor device for control of fluid distribution in a watering system of FIG. 1; and,
FIG. 7 is a bottom view of the sensor device for control of fluid distribution in a watering system of FIG. 1.

See application file for complete search history.

The broken lines of FIGS. 1-7 are illustrative of the visible environmental structure of the sensor device for control of fluid distribution in a watering system and form no part of the claimed design.

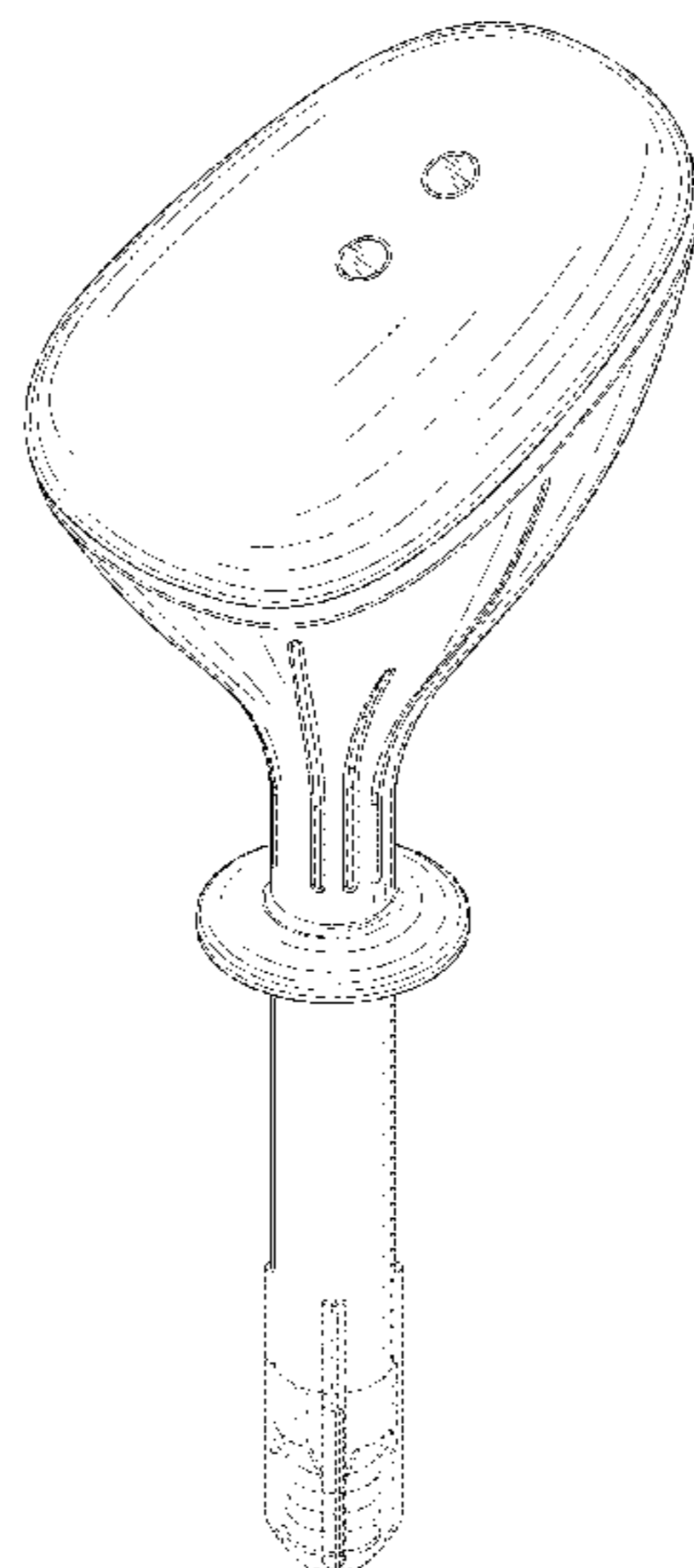
(56) **References Cited**

U.S. PATENT DOCUMENTS

1,872,058 A 8/1932 Bramsen et al.
5,806,770 A 9/1998 Wang
D472,959 S 4/2003 Alkalay et al.
7,271,887 B2 * 9/2007 Bickel G01W 1/12
356/218

D559,354 S 1/2008 Chih
D592,731 S 5/2009 Hung

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D688,573 S * 8/2013 Behrmann D10/56
D713,932 S 9/2014 Mammen
D746,945 S 1/2016 Näslund
D746,946 S 1/2016 Näslund
D746,947 S 1/2016 Näslund
D747,441 S 1/2016 Näslund
D748,758 S 2/2016 Duong et al.
D756,249 S * 5/2016 Xiao D10/52
D774,404 S * 12/2016 Piro D10/47

FOREIGN PATENT DOCUMENTS

CA 157903 S 7/2015
CA 157904 S 7/2015
CA 157977 S 7/2015
CA 157979 S 7/2015
EM 0024244650035 A1 8/2016
JP 1521415 S 4/2015
JP 1521416 S 4/2015
JP 1521428 S 4/2015
JP 1521694 S 4/2015
TW D589094 A 5/2004
TW D118254 A 7/2007
TW D128011 A 3/2009
TW D130862 A 9/2009
TW D166728 S 3/2015
TW D166729 A 3/2015
TW D166732 A 3/2015

* cited by examiner

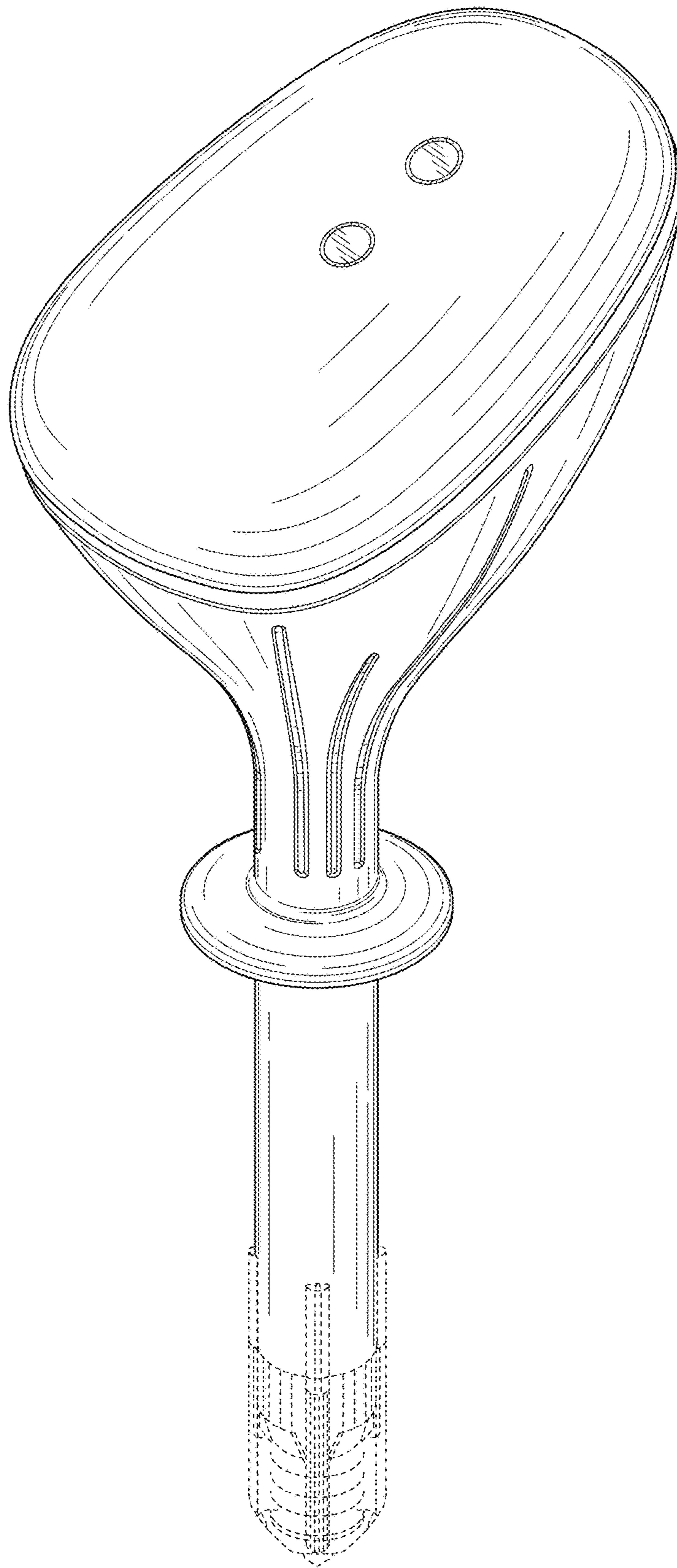


FIG. 1

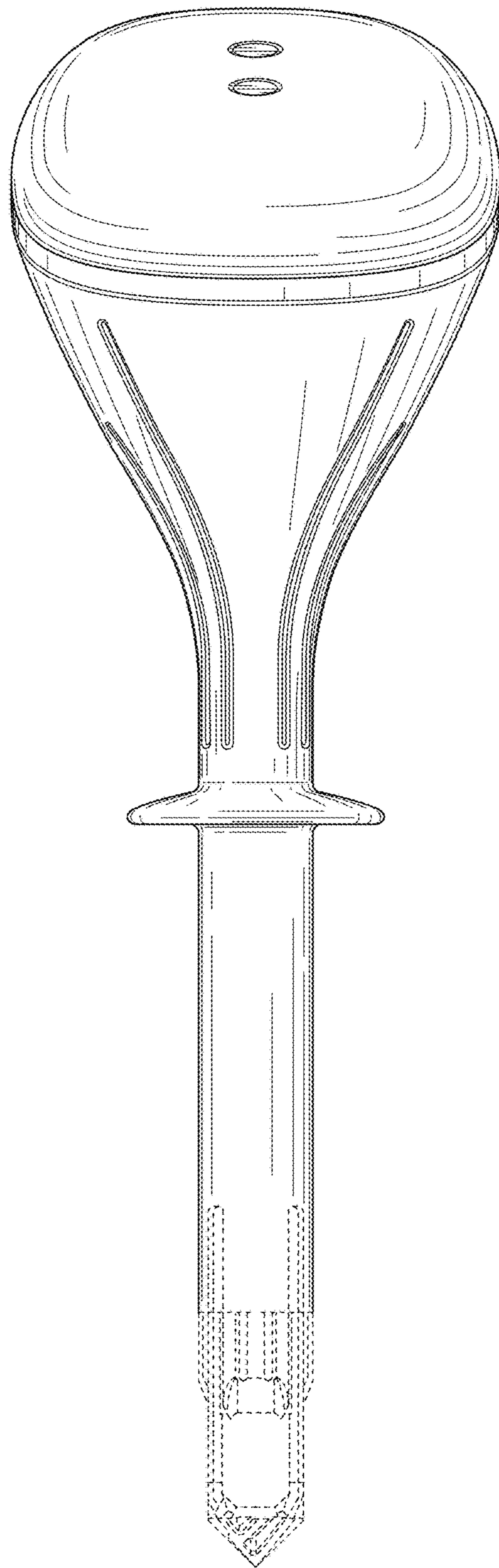


FIG. 2

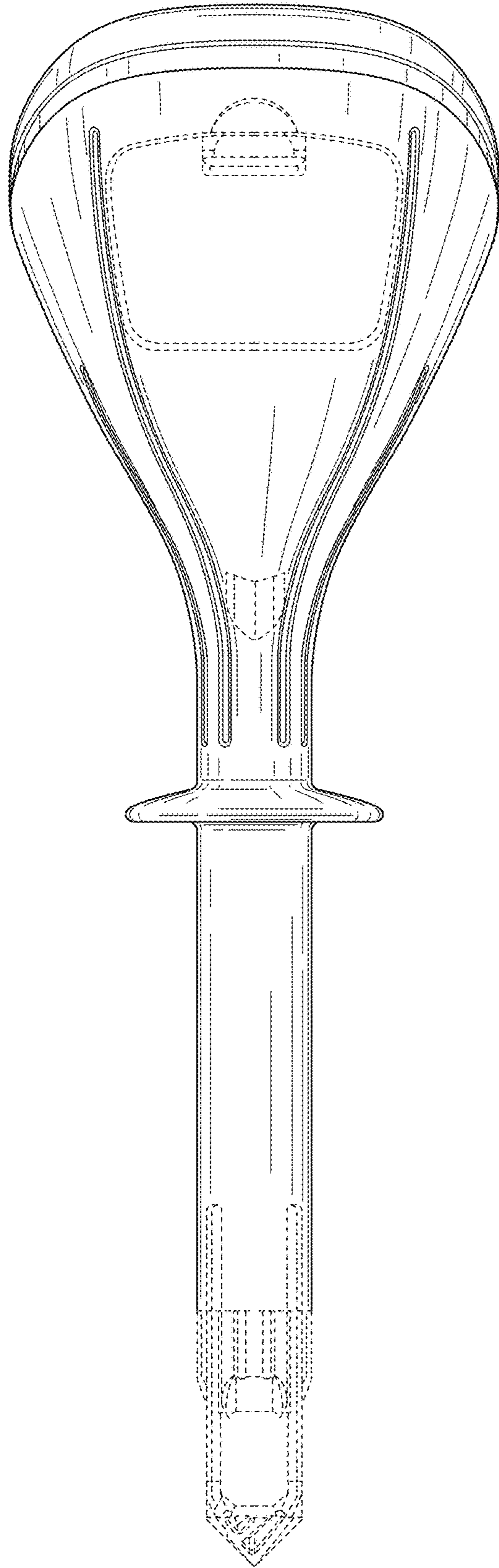


FIG. 3

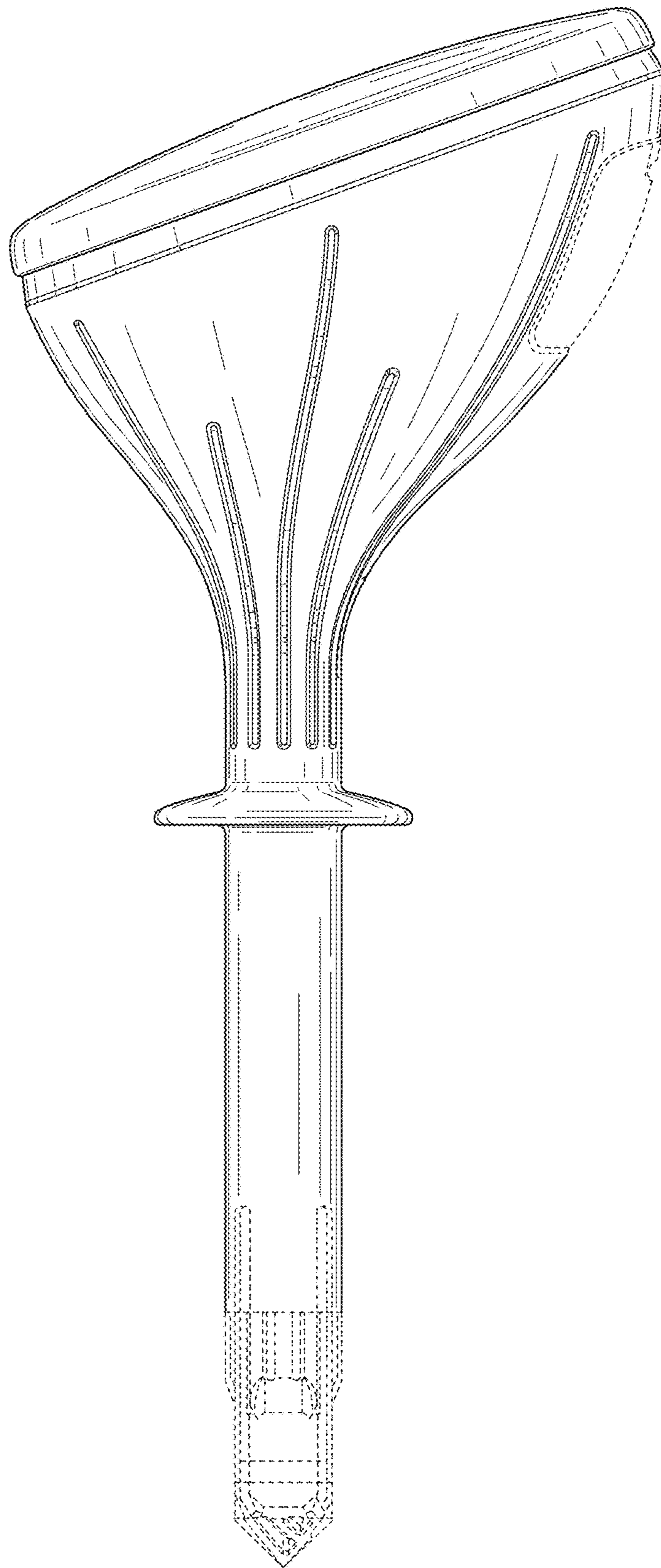


FIG. 4

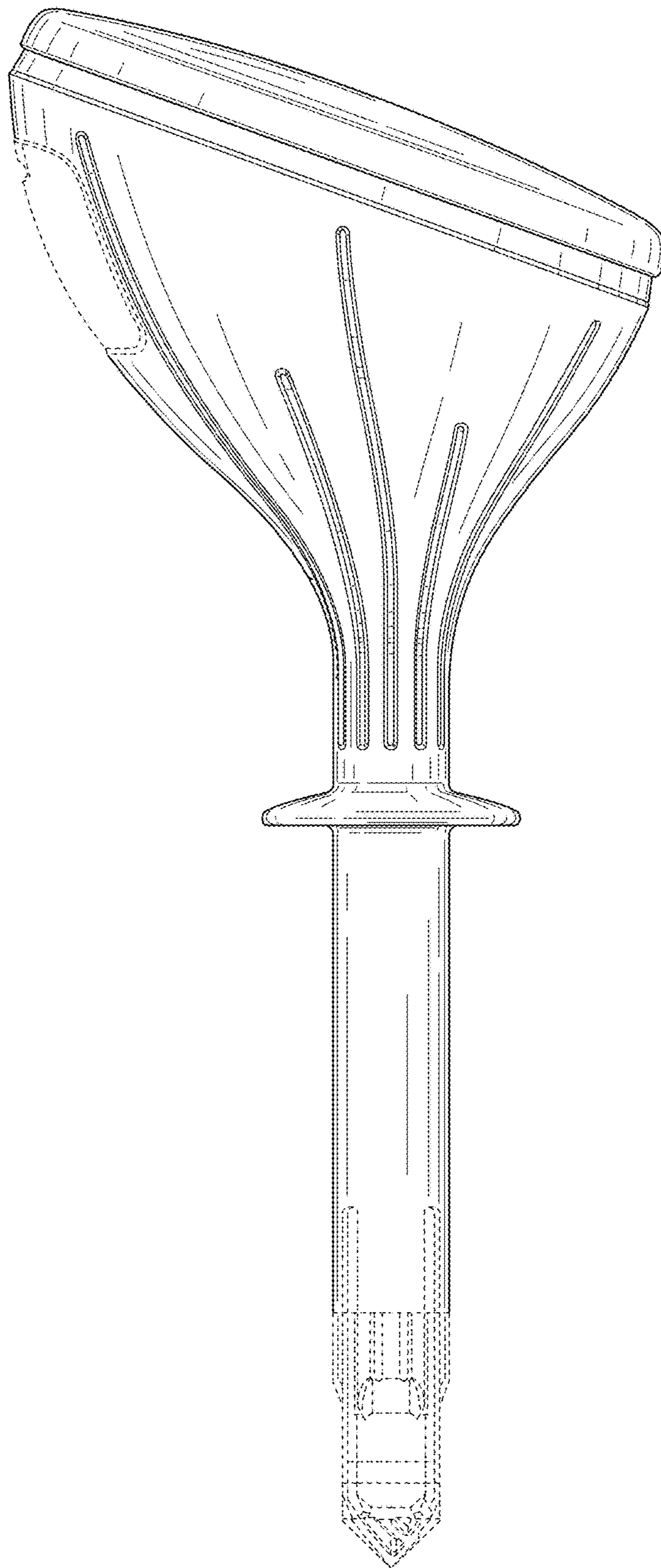


FIG. 5

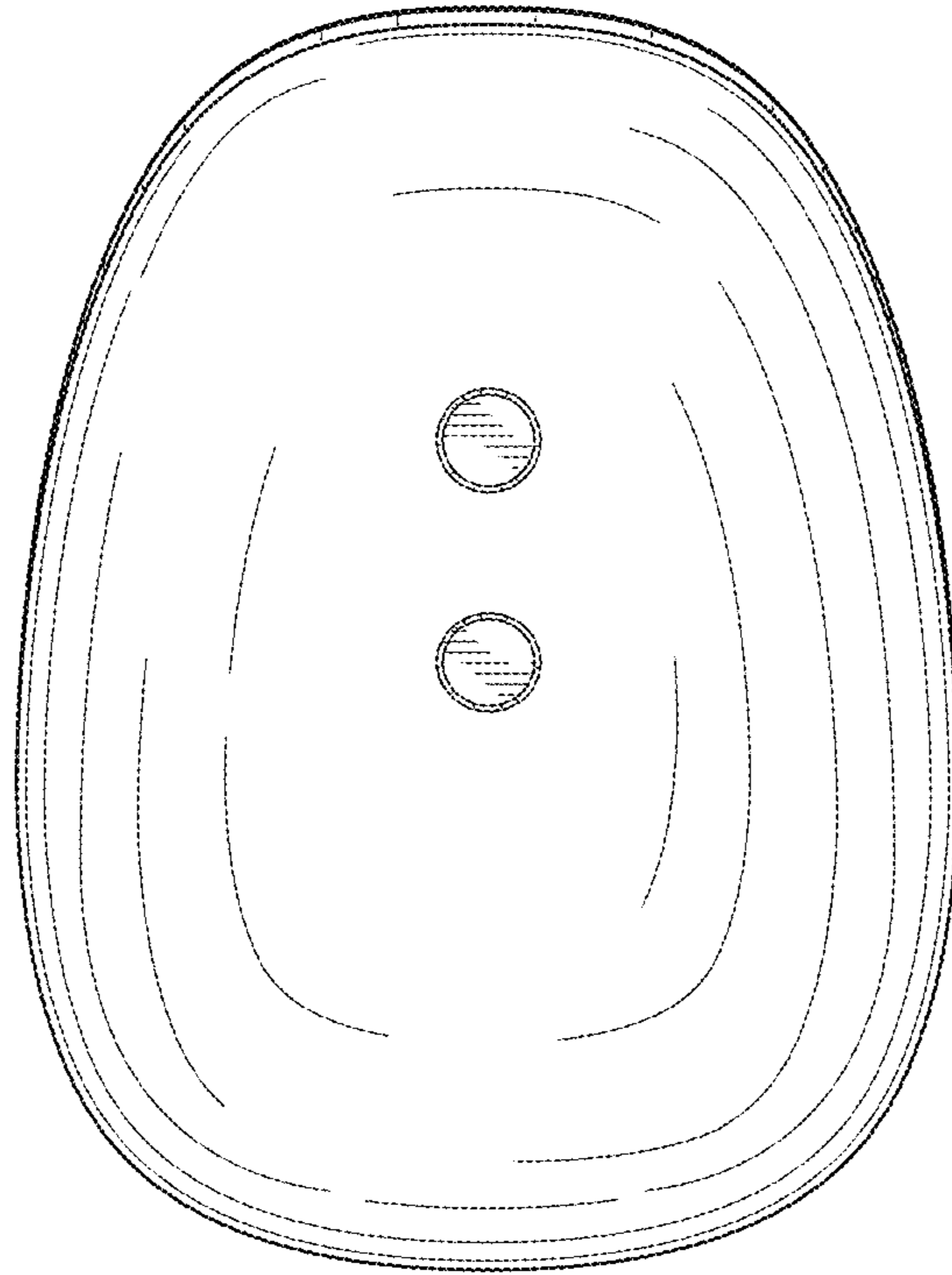


FIG. 6

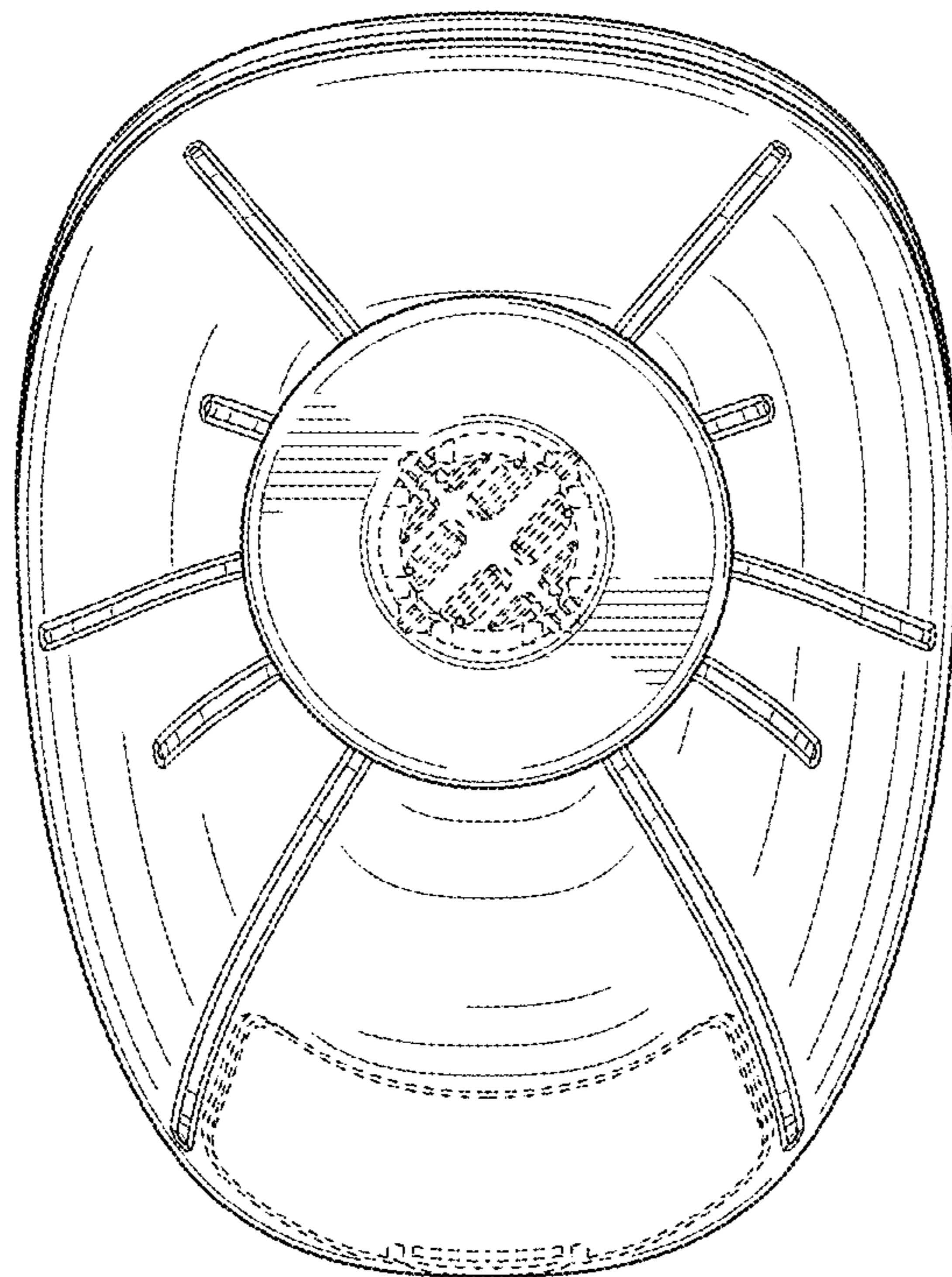


FIG. 7