



US00D766423S

(12) **United States Design Patent** (10) **Patent No.:** **US D766,423 S**
Kim et al. (45) **Date of Patent:** **** Sep. 13, 2016**

(54) **CHARGING DEVICE FOR AN ORAL IRRIGATOR**

Primary Examiner — Charles Hanson
(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

(71) Applicant: **WATER PIK, INC.**, Fort Collins, CO (US)

(57) **CLAIM**
We claim the ornamental design for a charging device for an oral irrigator, as shown and described.

(72) Inventors: **Hyunchul Kim**, Chicago, IL (US);
Jungwhan Chei, Chestnut Hill, MA (US)

DESCRIPTION

(73) Assignee: **WATER PIK, INC.**, Fort Collins, CO (US)

FIG. 1 is a top-front isometric view of a charging device for an oral irrigator showing our new design;
FIG. 2 is a top-rear isometric view of the charging device of FIG. 1.

(**) Term: **14 Years**

FIG. 3 is a front elevation view of the charging device of FIG. 1.

(21) Appl. No.: **29/510,634**

FIG. 4 is a rear elevation view of the charging device of FIG. 1.

(22) Filed: **Dec. 1, 2014**

FIG. 5 is a top plan view of the charging device of FIG. 1.

(51) **LOC (10) Cl.** **24-02**

FIG. 6 is a bottom plan view of the charging device of FIG. 1.

(52) **U.S. Cl.**
USPC **D24/111; D13/108**

FIG. 7 is a right-side elevation view of the charging device of FIG. 1.

(58) **Field of Classification Search**
USPC **D24/111, 108, 127-130, 110; D13/133, D13/108**

FIG. 8 is a left-side elevation view of the charging device of FIG. 1.

CPC **A61C 17/02; A61C 17/0202; A61C 17/0214; A61C 17/0205; A61C 17/28; A61C 17/36; A61C 17/00; A61C 1/0092; A47L 2201/022; A47L 2201/02; A47L 9/2873; H02J 7/0044; H02J 7/0052**
See application file for complete search history.

FIG. 9 is a top-front isometric view of a second embodiment of a charging device for an oral irrigator.

FIG. 10 is a top-rear isometric view of the charging device of FIG. 9.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D523,809 S 6/2006 Roth et al.
D524,730 S * 7/2006 Vu D13/108

(Continued)

FOREIGN PATENT DOCUMENTS

CN 201466773 U 5/2010
CN 101867203 A 10/2010
CN 101971453 A 2/2011

FIG. 11 is a front elevation view of the charging device of FIG. 9.

FIG. 12 is a rear elevation view of the charging device of FIG. 9.

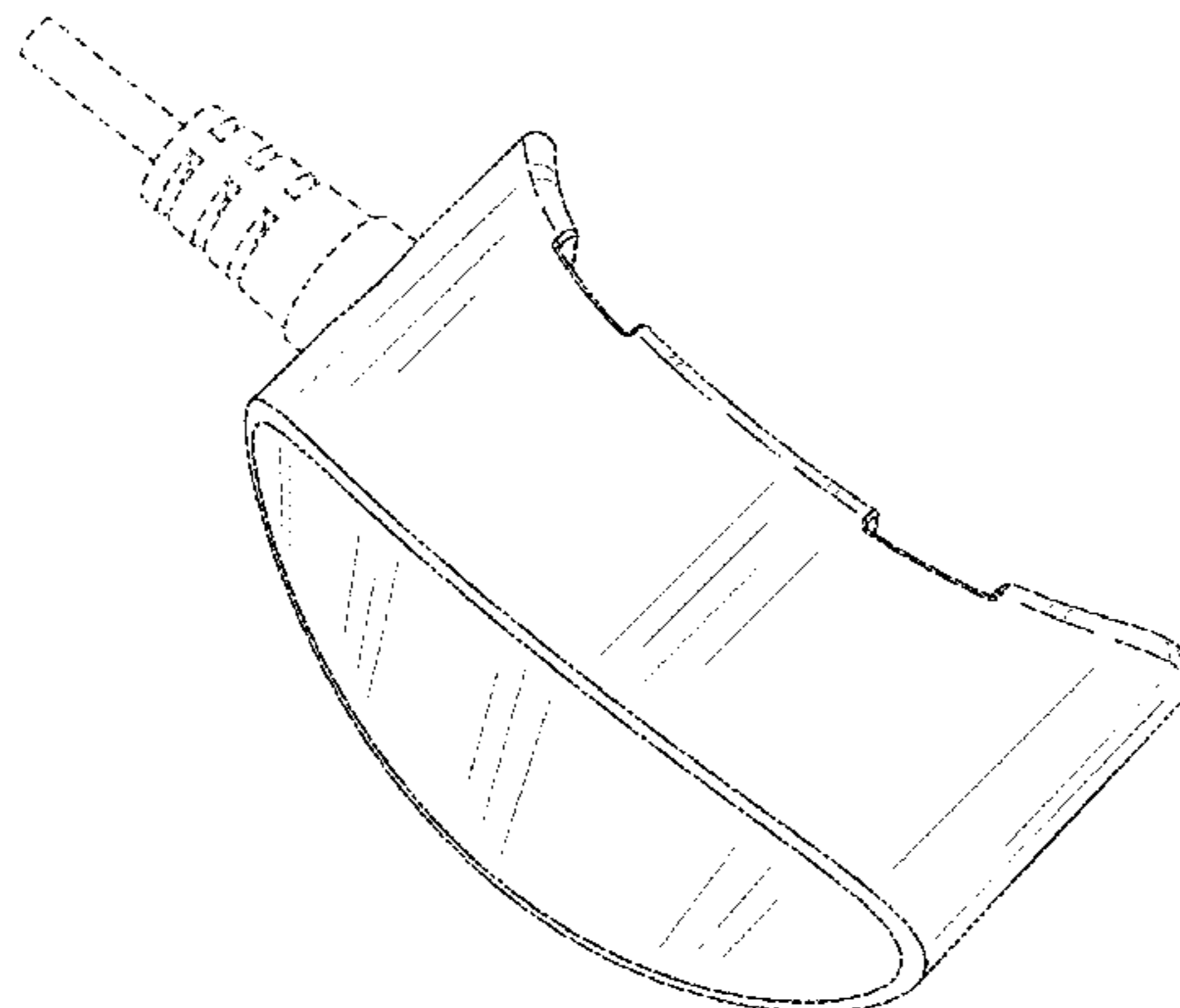
FIG. 13 is a top plan view of the charging device of FIG. 9.

FIG. 14 is a bottom plan view of the charging device of FIG. 9.

FIG. 15 is a right-side elevation view of the charging device of FIG. 9; and,
FIG. 16 is a left-side elevation view of the charging device of FIG. 9.

The broken lines, which define the bounds of the claimed design, form no part of the claimed design.

1 Claim, 16 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,872,445 B2 1/2011 Hui
 D634,268 S 3/2011 Reishus et al.
 D634,707 S 3/2011 Hosler et al.
 7,952,322 B2 5/2011 Partovi et al.
 8,350,524 B2 1/2013 Kwong
 D676,381 S * 2/2013 McSweyn D13/108
 D687,772 S * 8/2013 Chikos D13/108
 D697,026 S * 1/2014 Dasbach D13/108
 D721,033 S * 1/2015 Fujioka D13/108

D721,327 S * 1/2015 Kim D13/108
 D721,649 S * 1/2015 Tsai D13/108
 D730,283 S * 5/2015 Dorn D13/108
 D735,131 S * 7/2015 Akana D13/108
 D749,505 S * 2/2016 Verleur D13/108
 D750,020 S * 2/2016 Song D13/108
 2007/0267998 A1 * 11/2007 Cohen A47L 9/2857
 320/109
 2011/0089891 A1 * 4/2011 Pai H02J 7/0044
 320/107
 2013/0127408 A1 5/2013 Chang et al.
 2013/0249479 A1 9/2013 Partovi

* cited by examiner

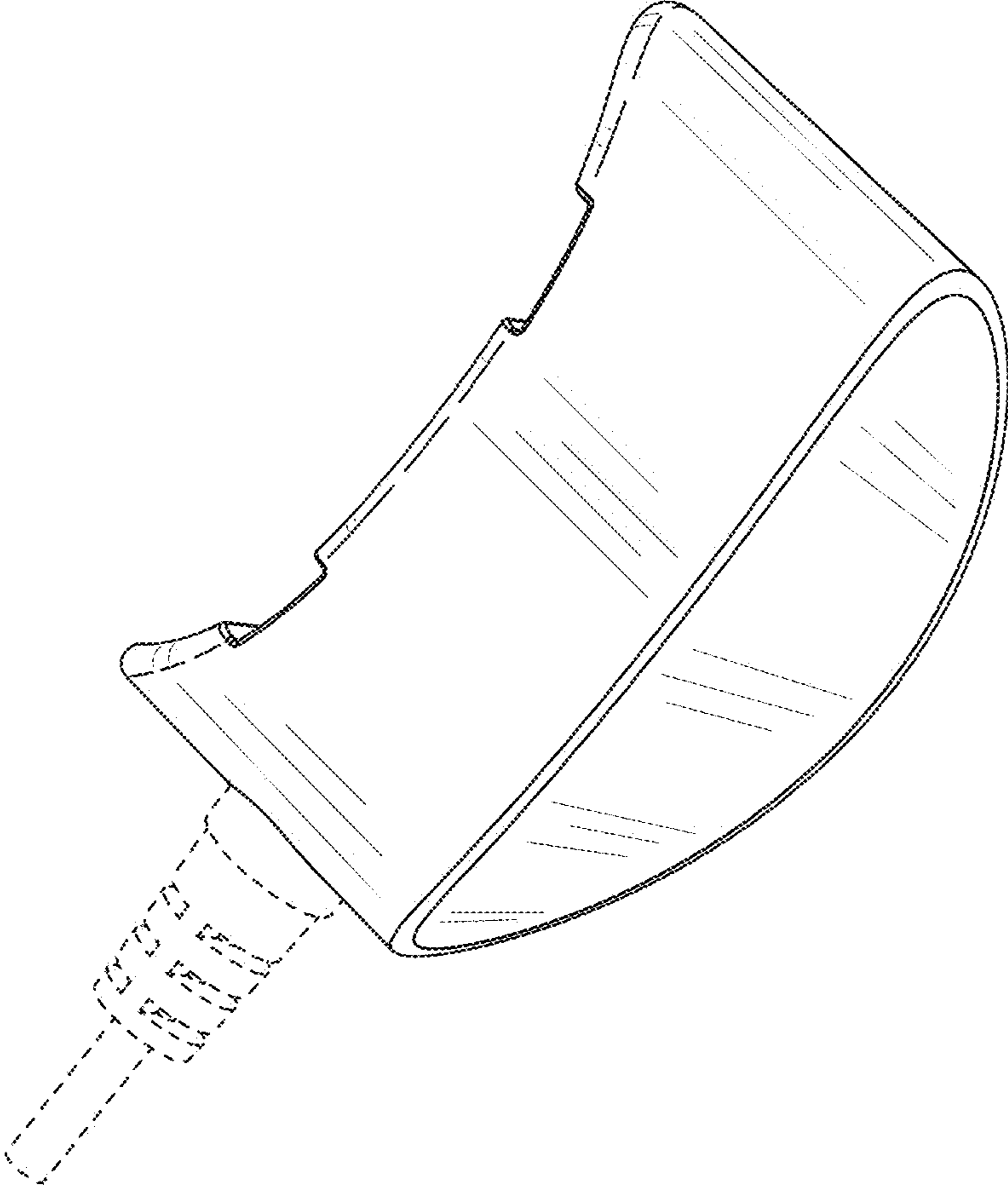


FIG. 1

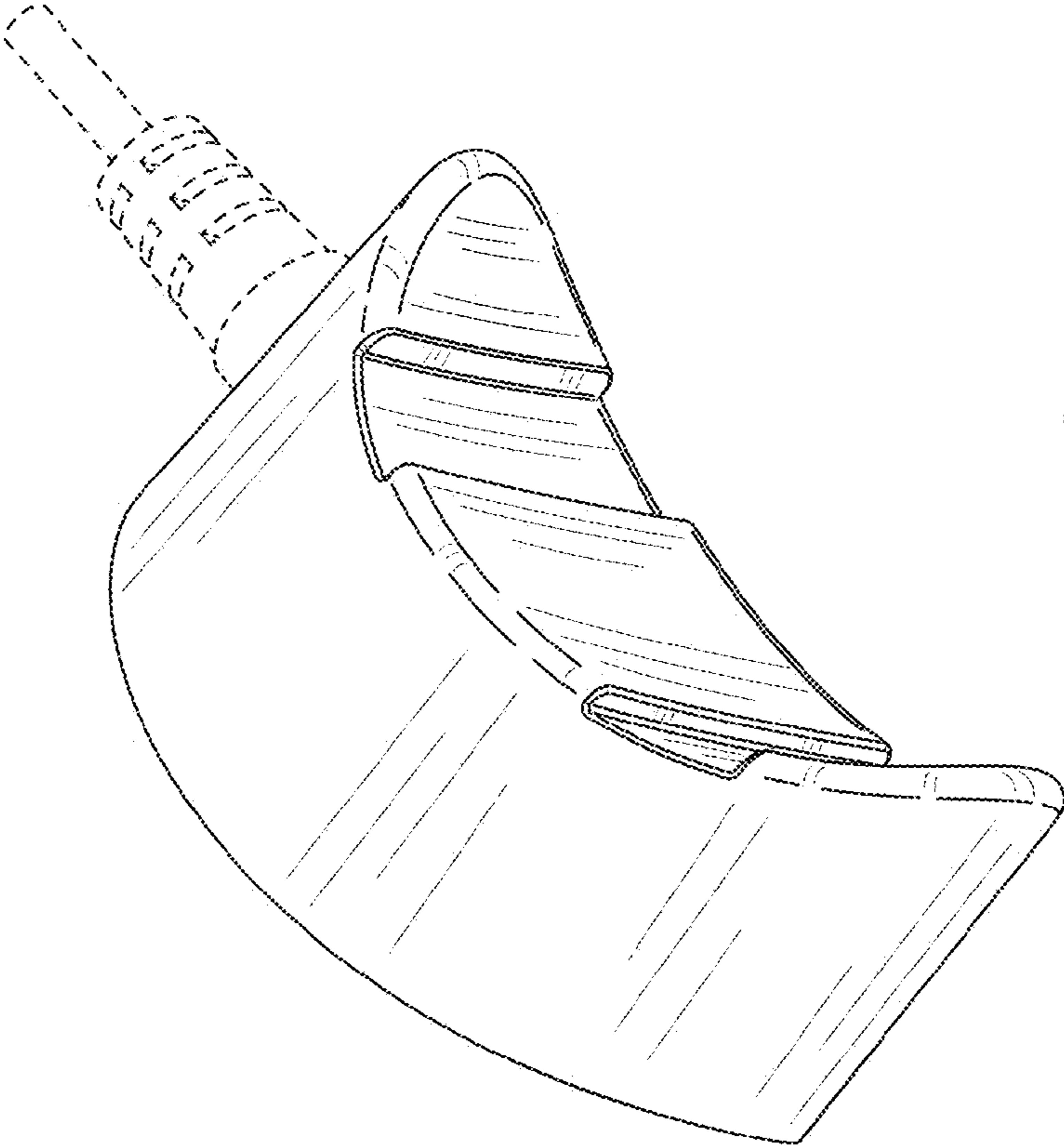


FIG. 2

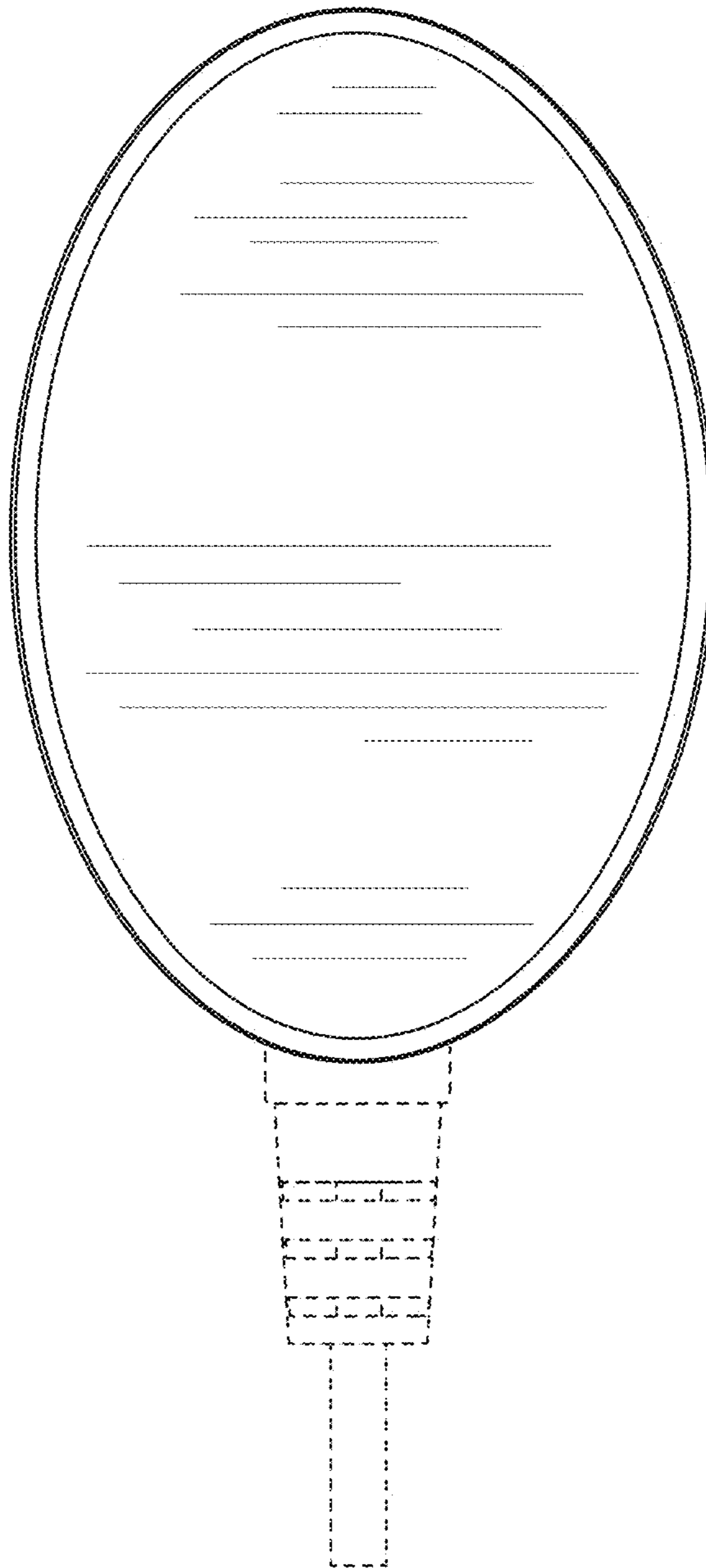


FIG. 3

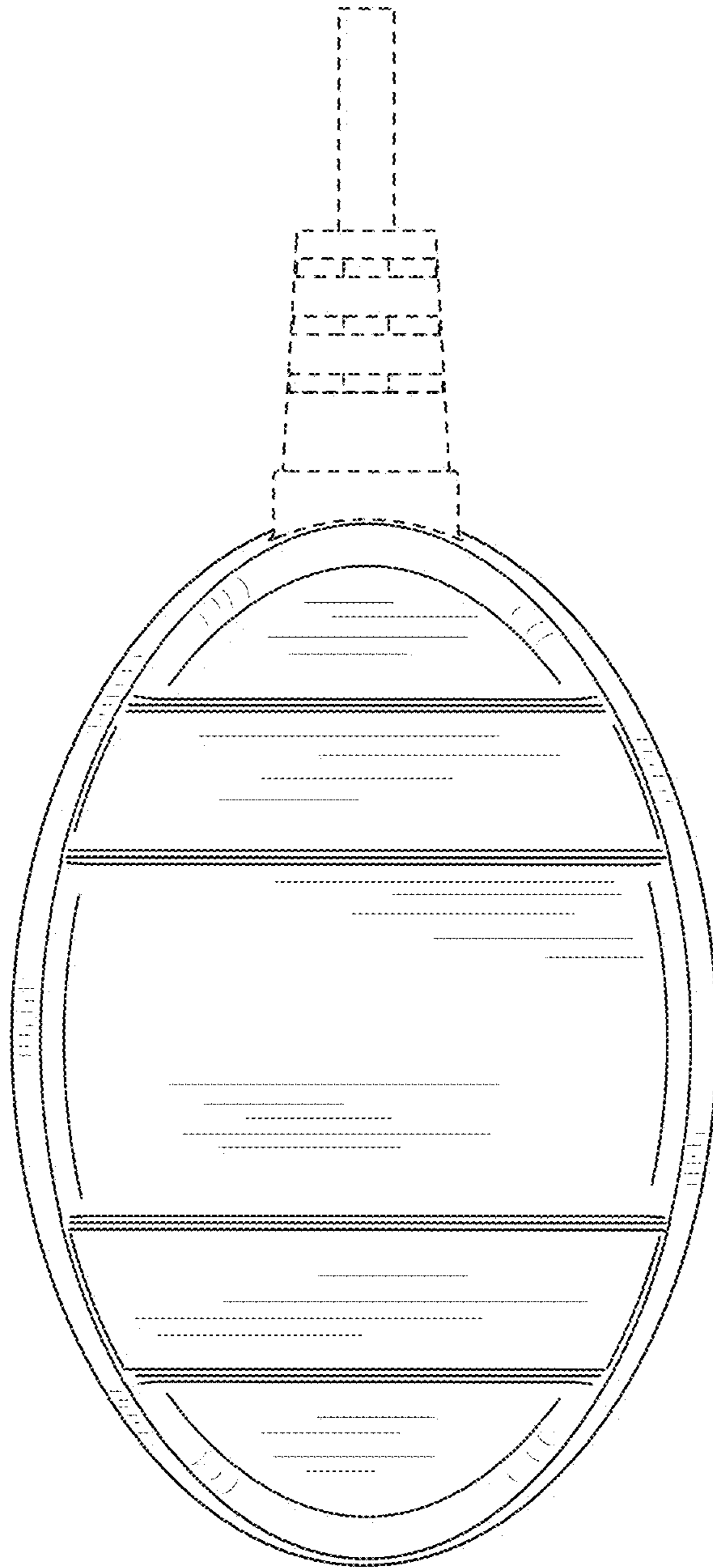


FIG. 4

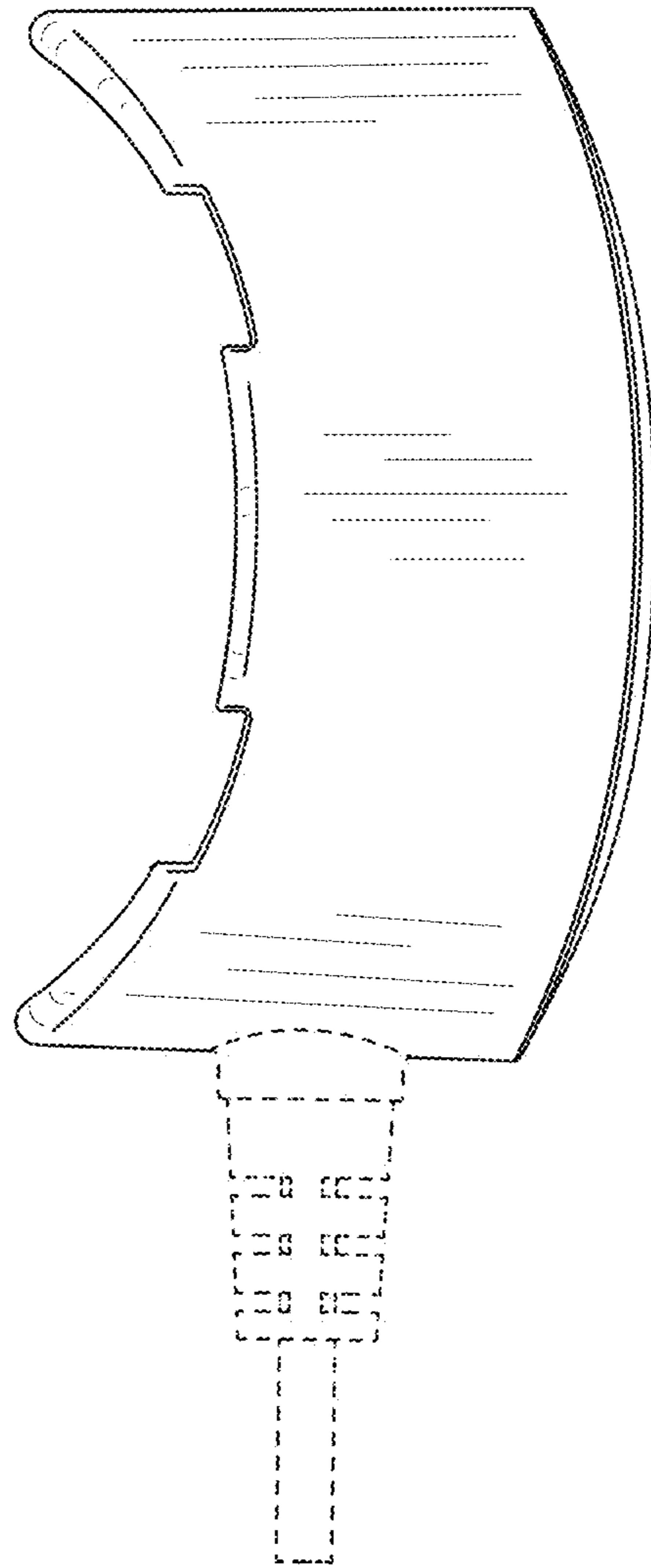


FIG. 5

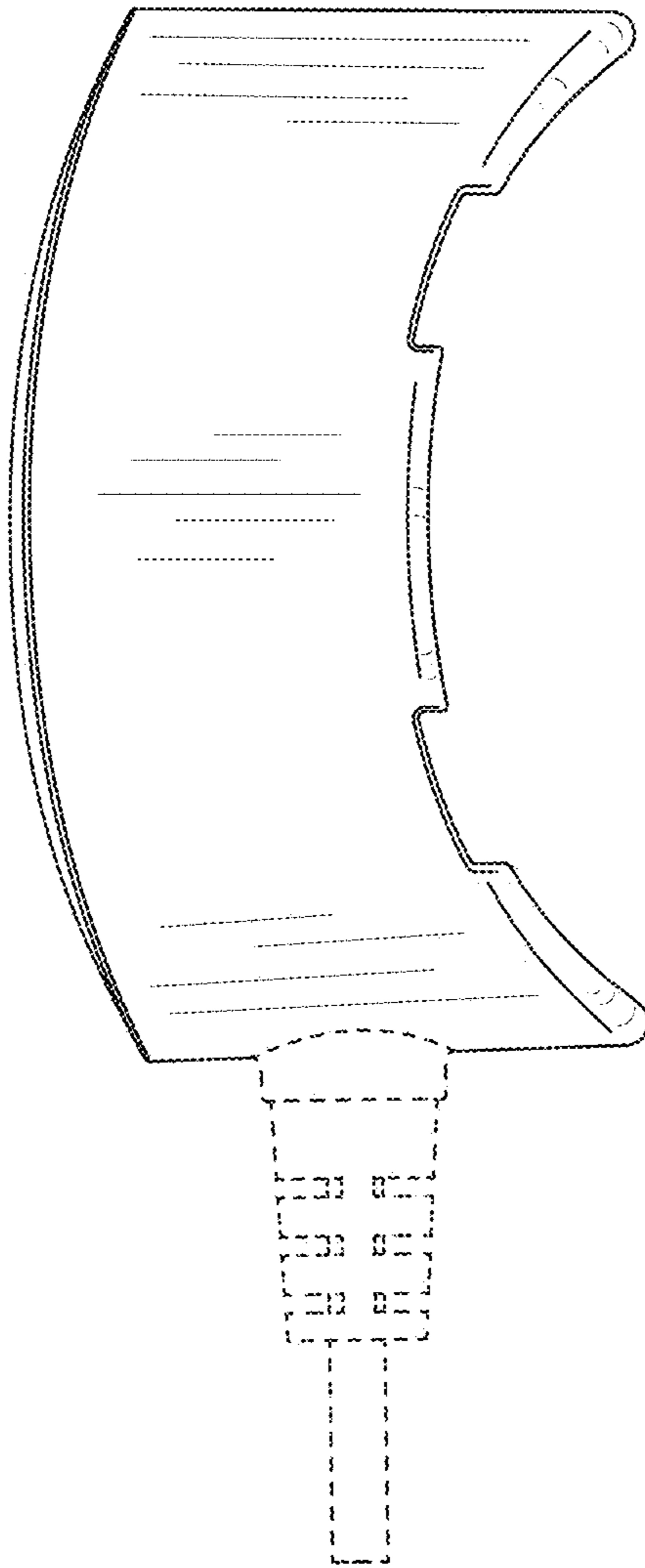


FIG. 6

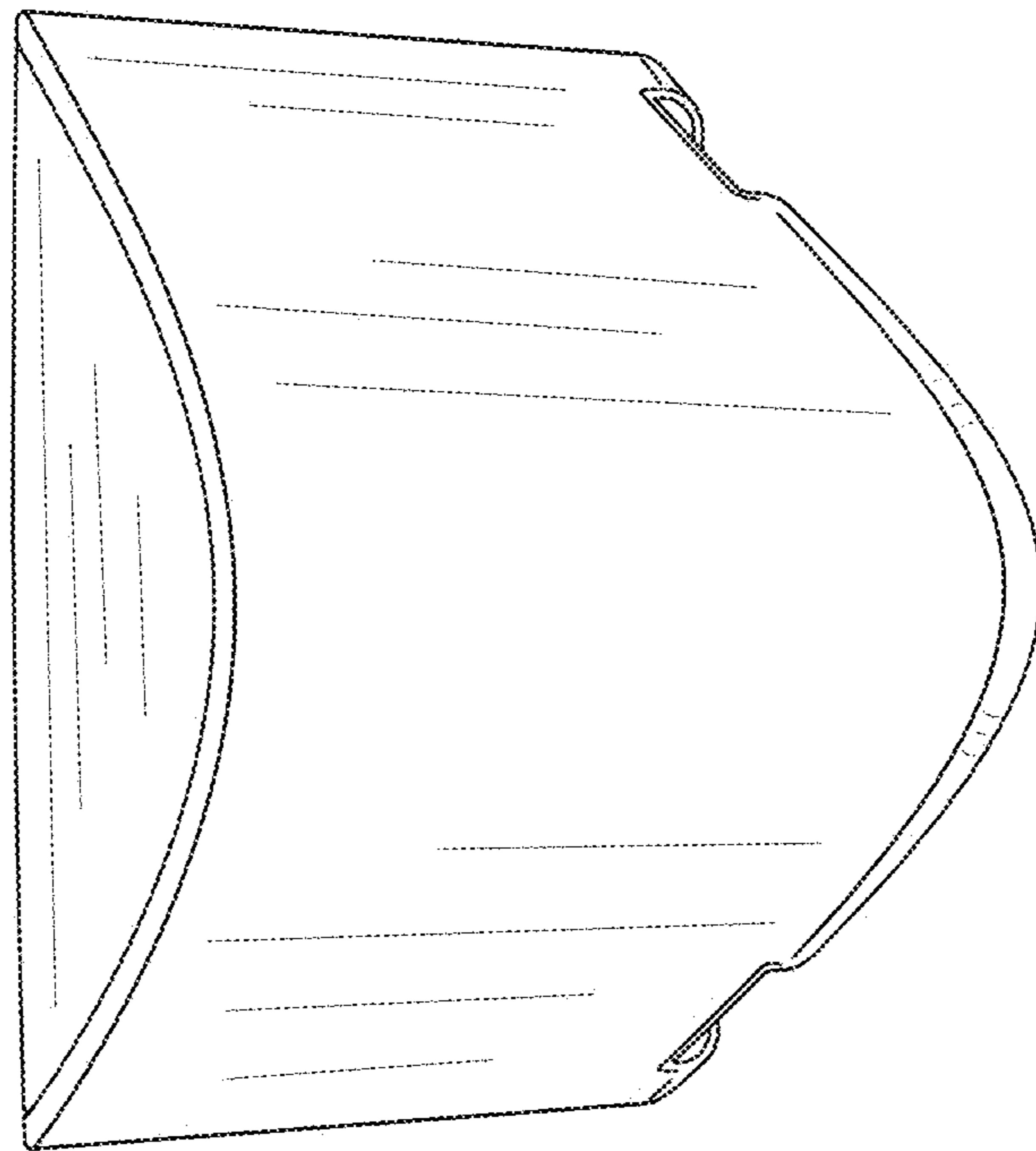


FIG. 7

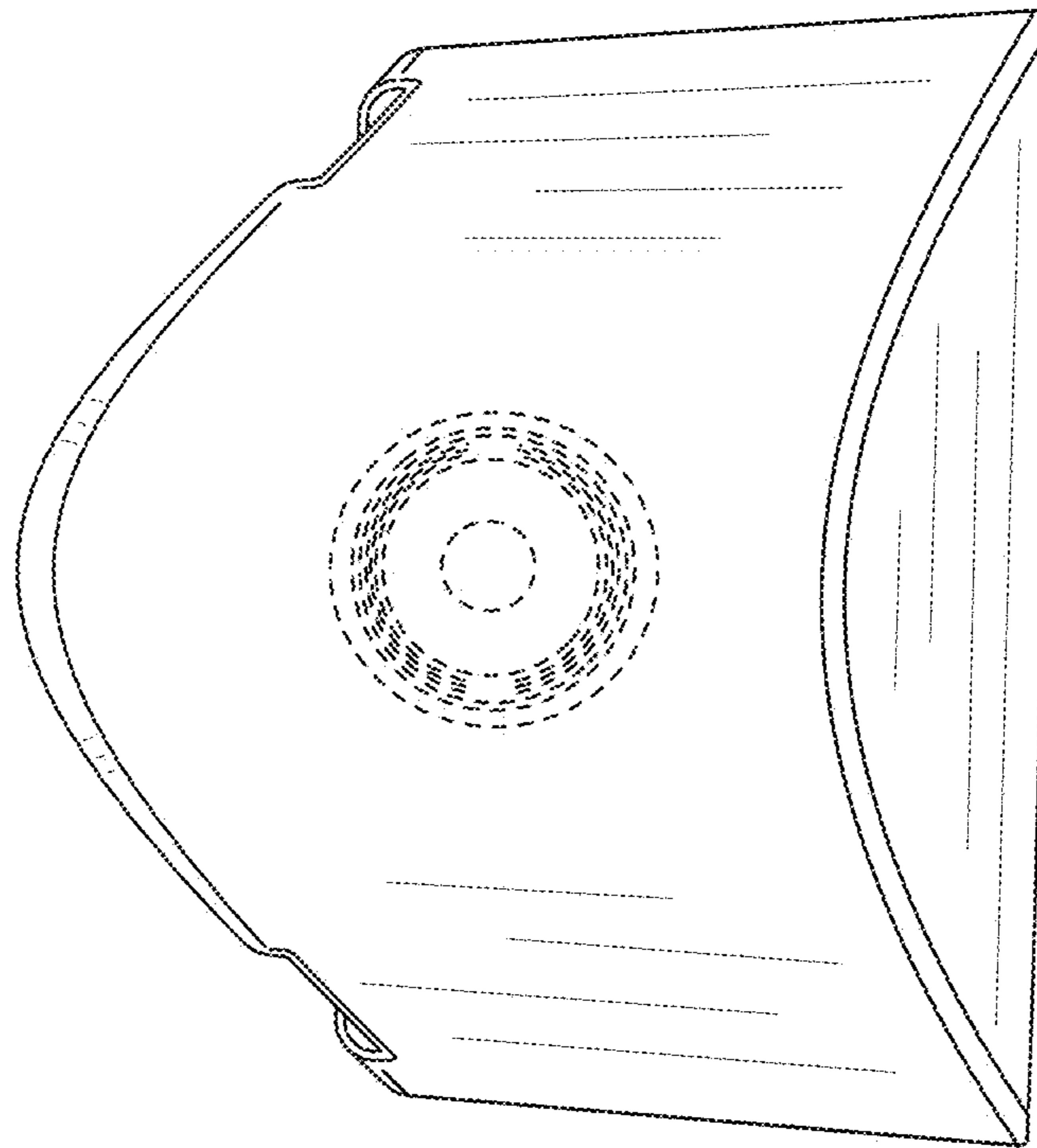


FIG. 8

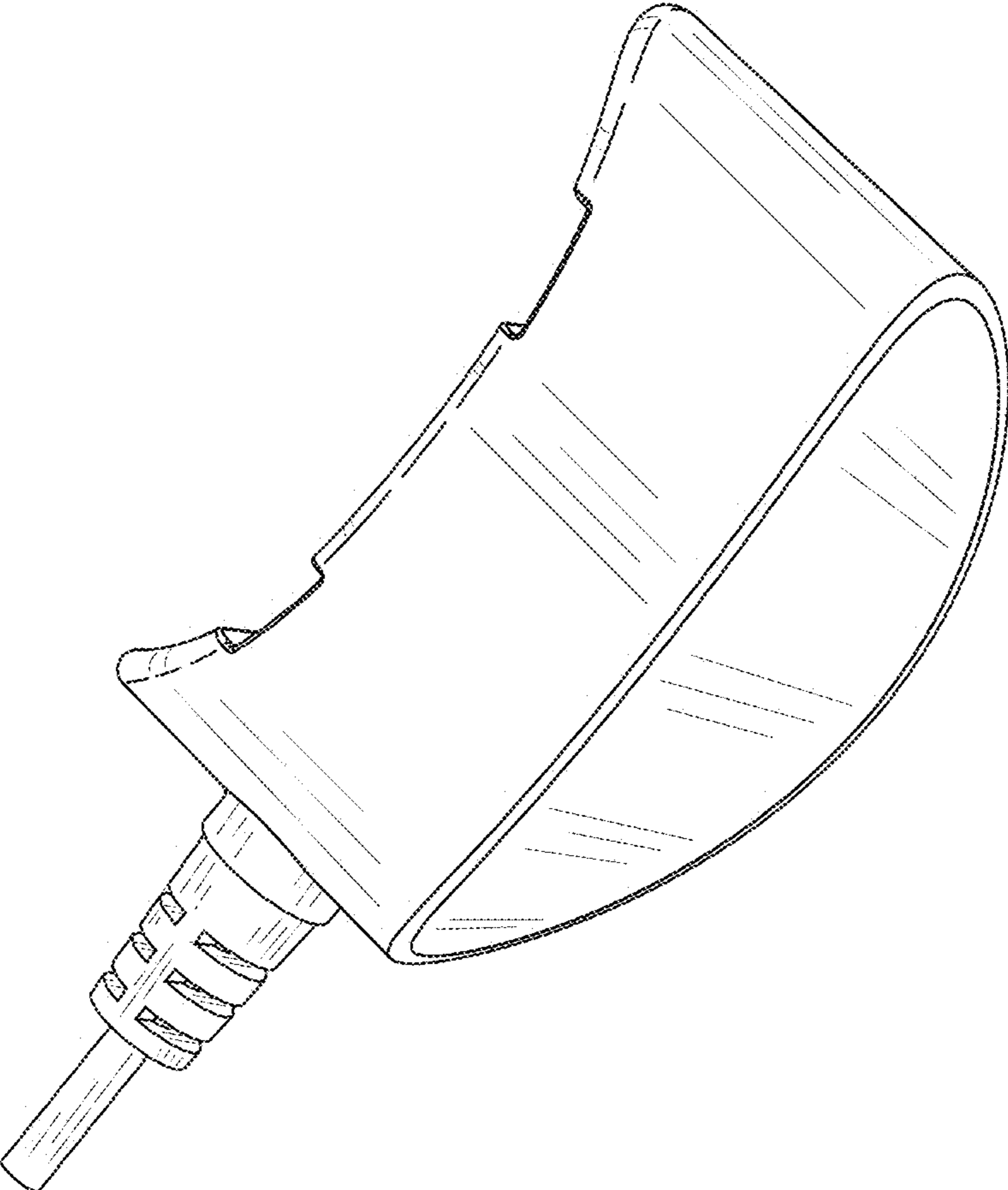


FIG. 9

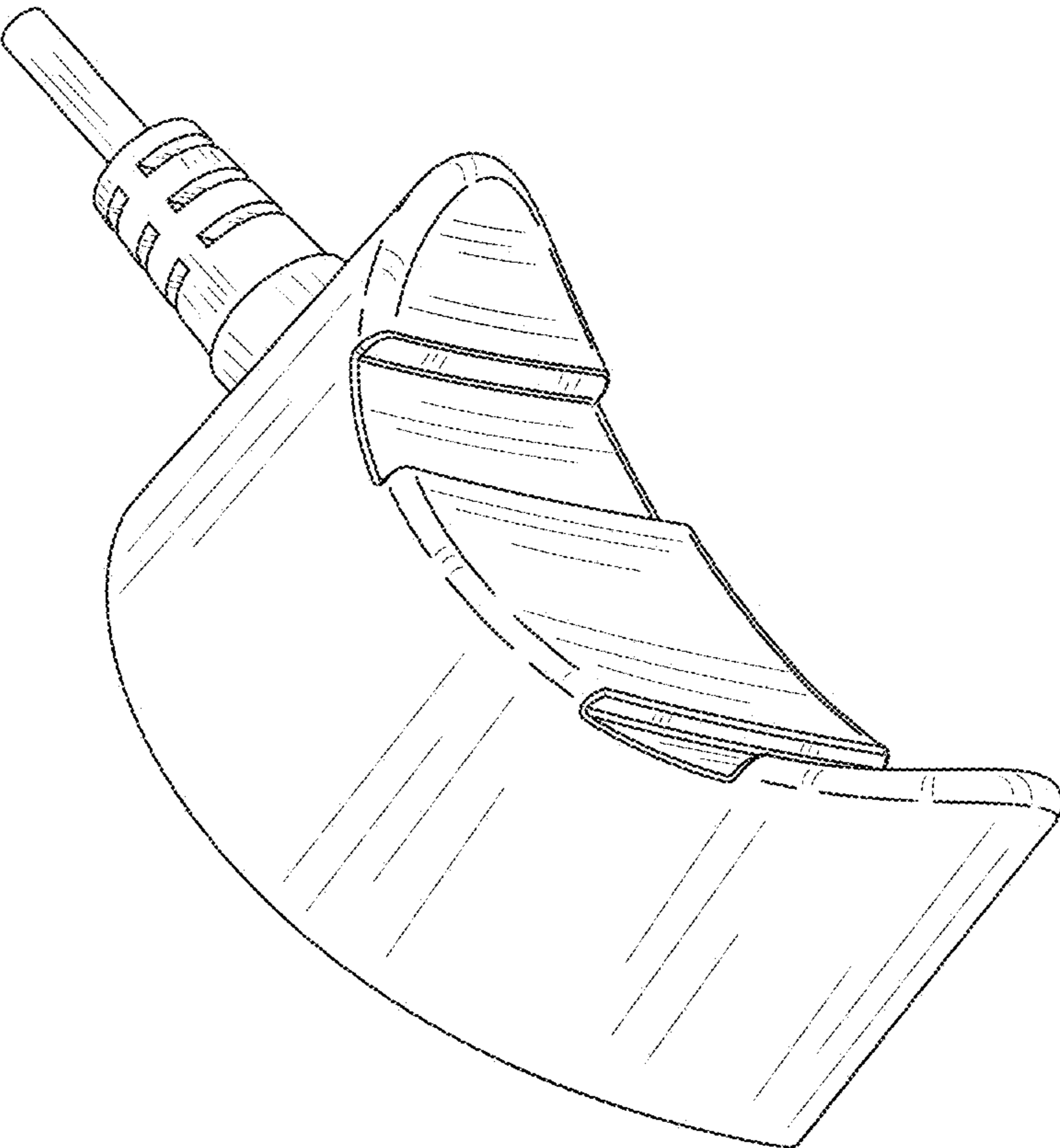


FIG. 10

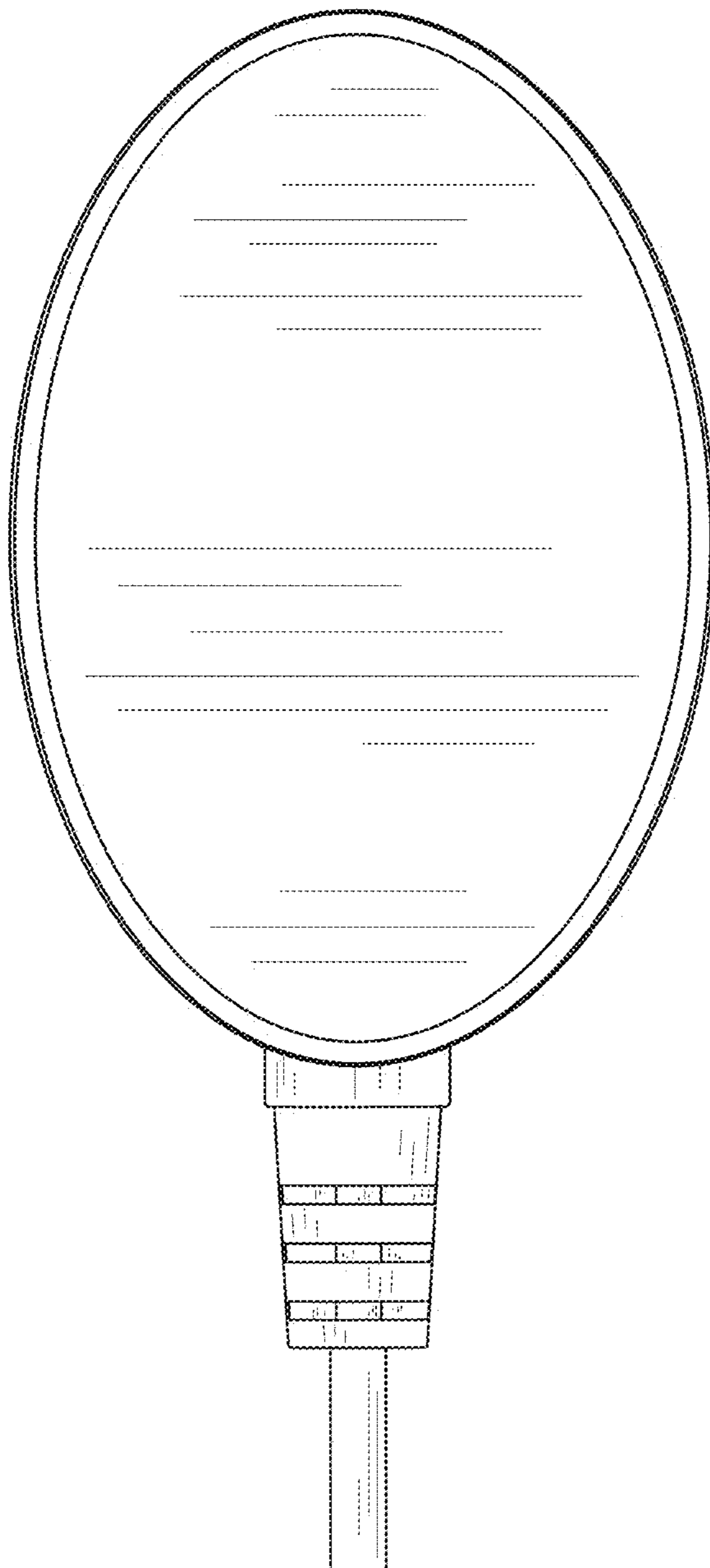


FIG. 11

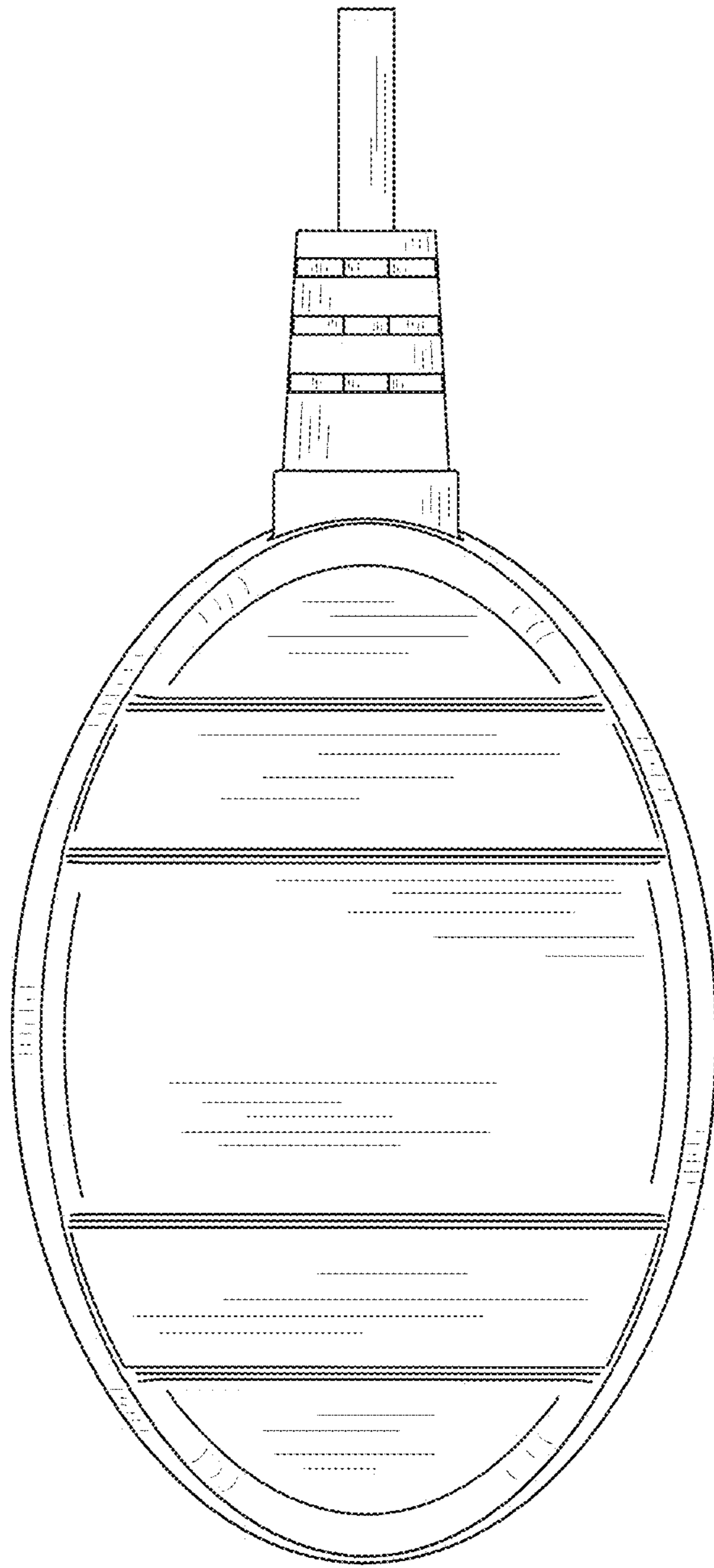


FIG. 12

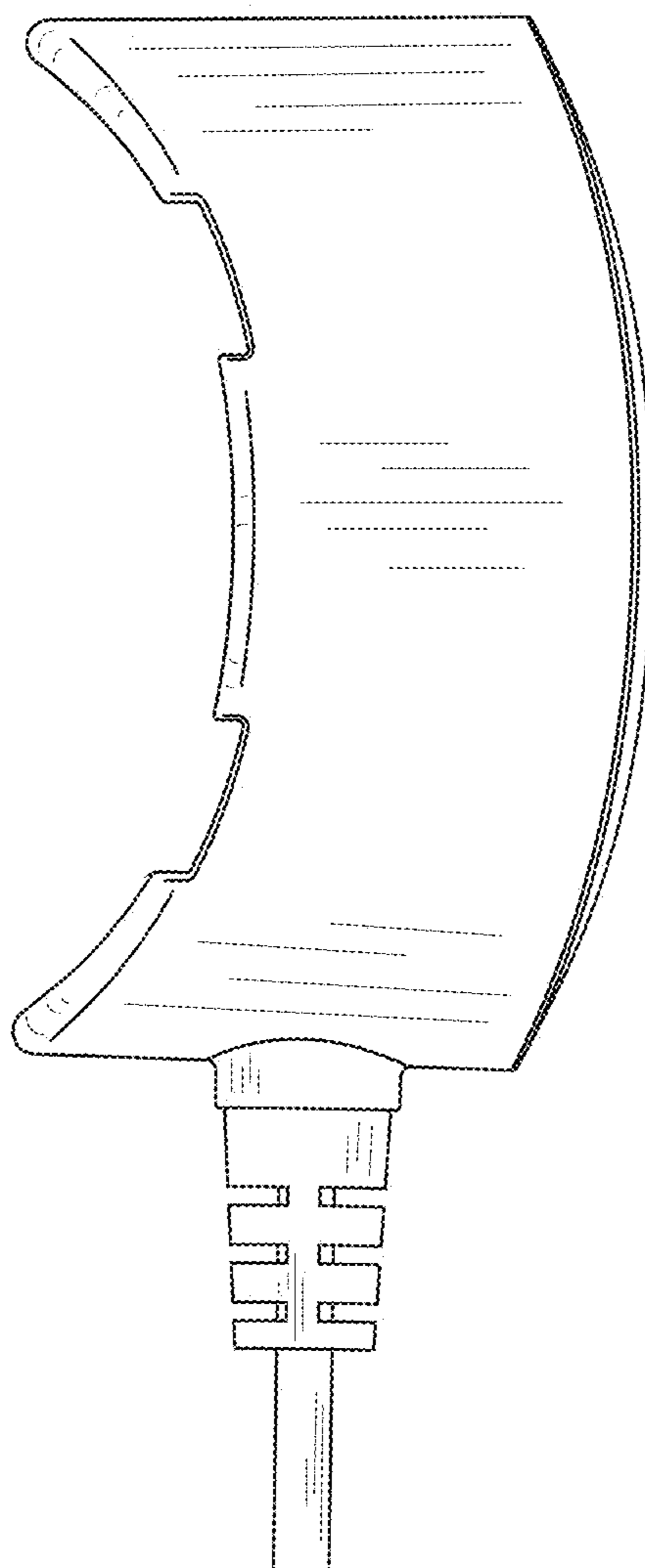


FIG. 13

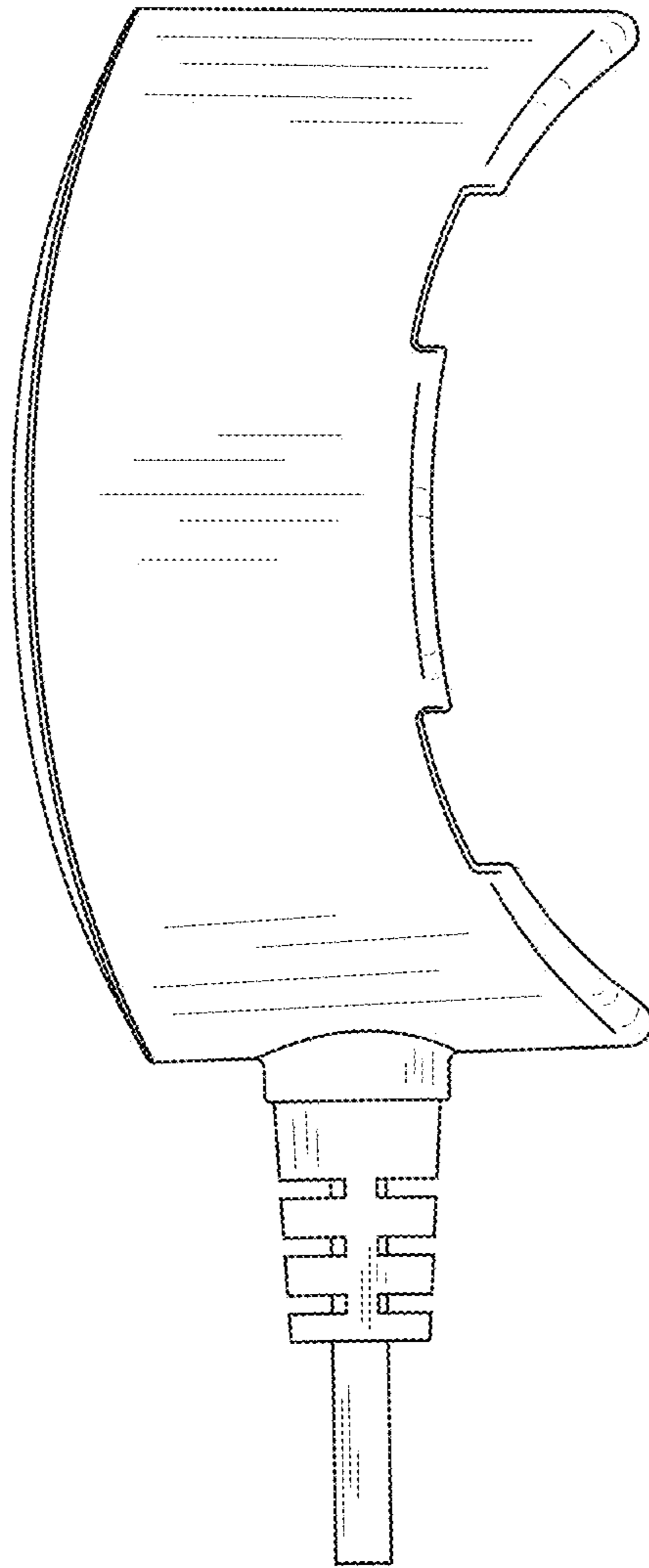


FIG. 14

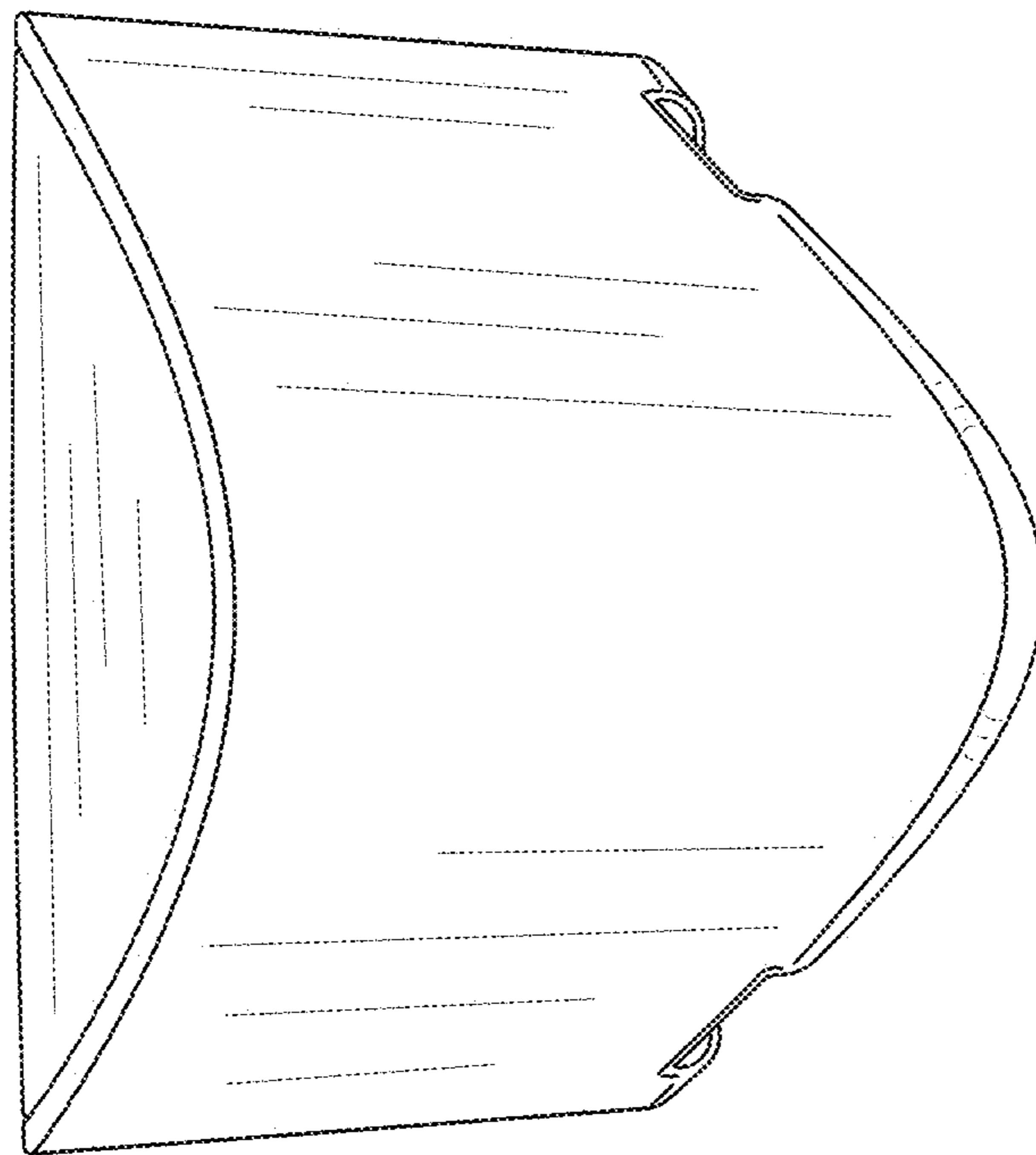


FIG. 15

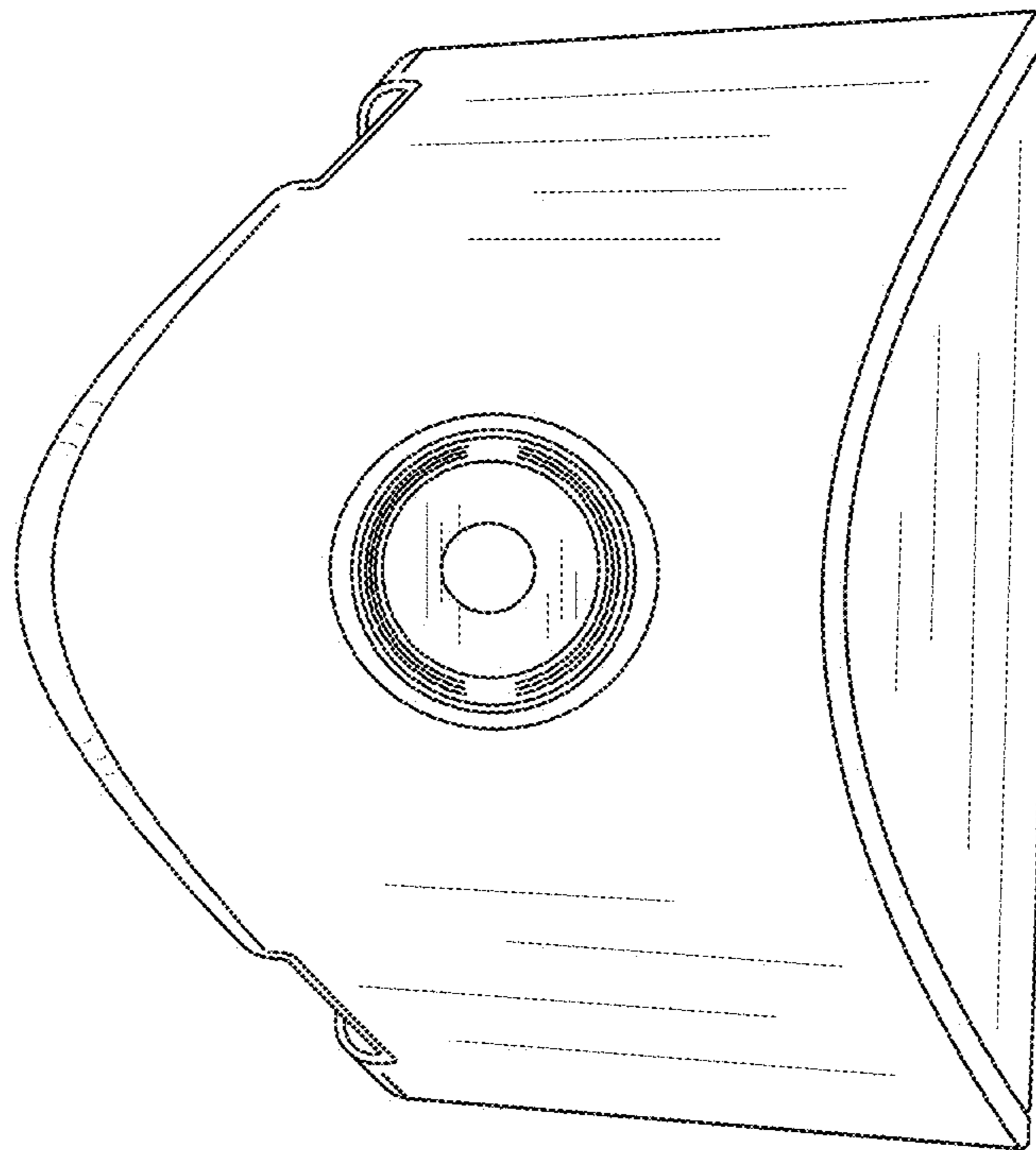


FIG. 16