



US00D725856S

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

(10) **Patent No.:** **US D725,856 S**
(45) **Date of Patent:** **** Mar. 31, 2015**

(54) **VACUUM NOZZLE WITH INTEGRATED LIGHT**

(71) Applicant: **Emerson Electric Co.**, St. Louis, MO (US)

(72) Inventors: **Douglas Schultz**, Glen Carbon, IL (US);
Mark Tomasiak, St. Peters, MO (US);
Jason Hill, St. Louis, MO (US)

(73) Assignee: **Emerson Electric Co.**, St. Louis, MO (US)

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

(21) Appl. No.: **29/482,489**

(22) Filed: **Feb. 19, 2014**

(51) **LOC (10) Cl.** **15-05**

(52) **U.S. Cl.**

USPC **D32/32**

(58) **Field of Classification Search**

CPC E04H 4/1654; A47L 9/02; A47L 9/06;
A47L 9/0606; A47L 9/062; A47L 9/0633;
A47L 9/0693; A47L 11/4086; A47L 11/30;
A47L 7/009; A47L 7/0009; A47L 5/28;
A47L 5/36; A47L 13/225; A47L 13/20;
A47L 13/12; A47L 13/16; A47L 11/4044;
C11D 17/049; C23G 5/04; D06C 7/00;
D06F 75/30; D06F 87/00; B08B 3/02
USPC D32/17-18, 31-34, 25, 40, 50;
D23/223

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,729,146 A * 3/1988 Barr 15/303
D374,524 S * 10/1996 Harris D32/32
6,070,292 A * 6/2000 Langelaan 15/401
D540,498 S * 4/2007 Tobias D32/17
D540,994 S * 4/2007 Borges D32/33

D590,111 S * 4/2009 Wiljanen et al. D32/32
D621,110 S * 8/2010 Eden et al. D32/32
D656,695 S * 3/2012 Crawley D32/33
D658,832 S * 5/2012 Eden et al. D32/32
D659,315 S * 5/2012 Hollis et al. D32/33
D666,373 S * 8/2012 Eden et al. D32/32
D714,005 S * 9/2014 McGurk D32/32
2003/0159241 A1 * 8/2003 Calzolari 15/401
2003/0182755 A1 * 10/2003 Dicioccio 15/321

* cited by examiner

Primary Examiner — Ruth McInroy

(74) *Attorney, Agent, or Firm* — Sutton McAughan Deaver, PLLC

(57) **CLAIM**

The ornamental design for a vacuum nozzle with integrated light, as shown and described.

DESCRIPTION

FIG. 1 is an isometric front perspective view of a vacuum nozzle with integrated light in accordance with a first embodiment;

FIG. 2 is a top view thereof;

FIG. 3 is a bottom view thereof;

FIG. 4 is side view thereof;

FIG. 5 is a side view thereof, showing the side opposite that shown in FIG. 4;

FIG. 6 is a rear view thereof; and

FIG. 7 is a front view thereof;

FIG. 8 is an isometric front perspective view of a vacuum nozzle with integrated light in accordance with a second embodiment;

FIG. 9 is a top view thereof;

FIG. 10 is a bottom view thereof;

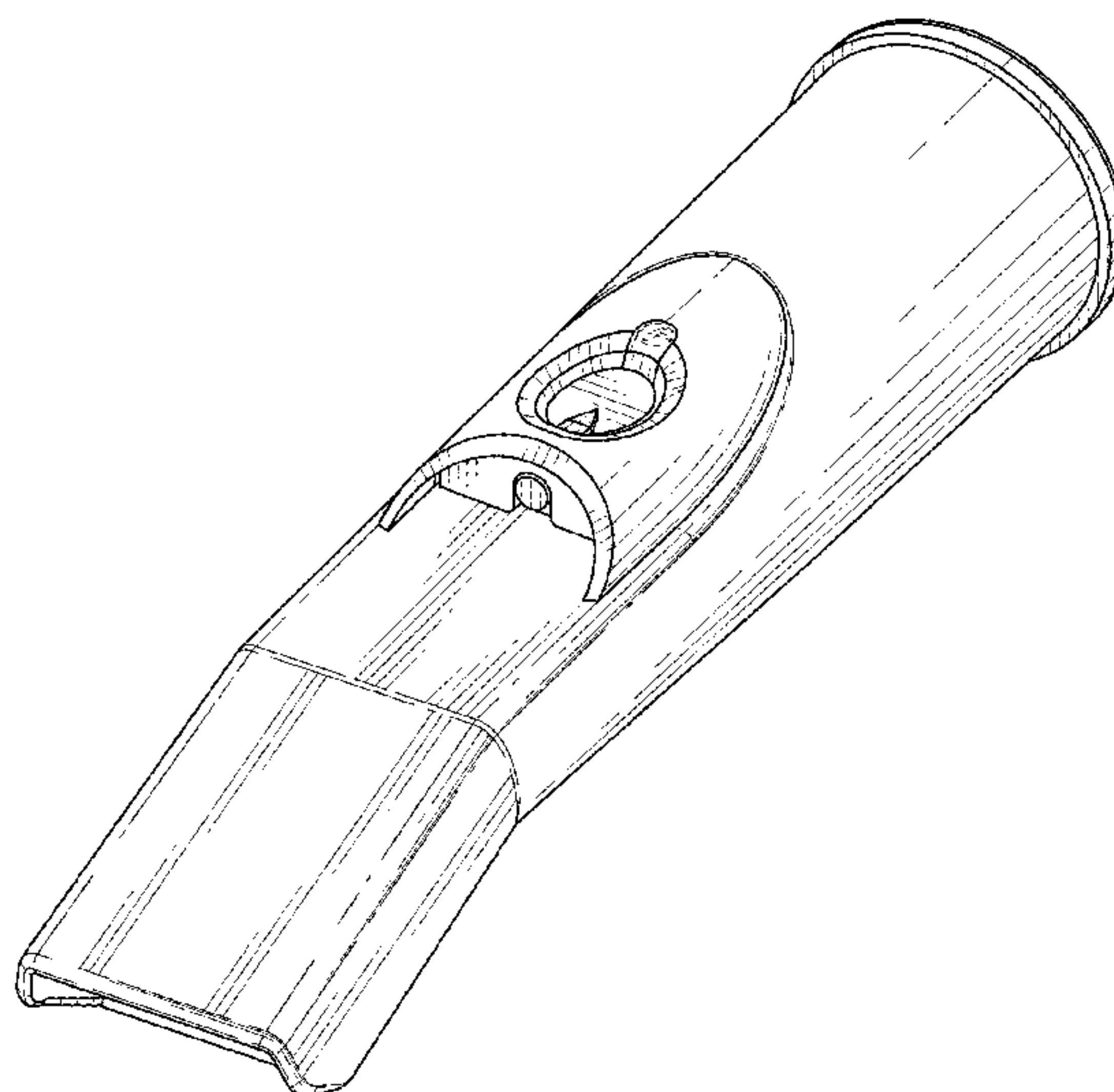
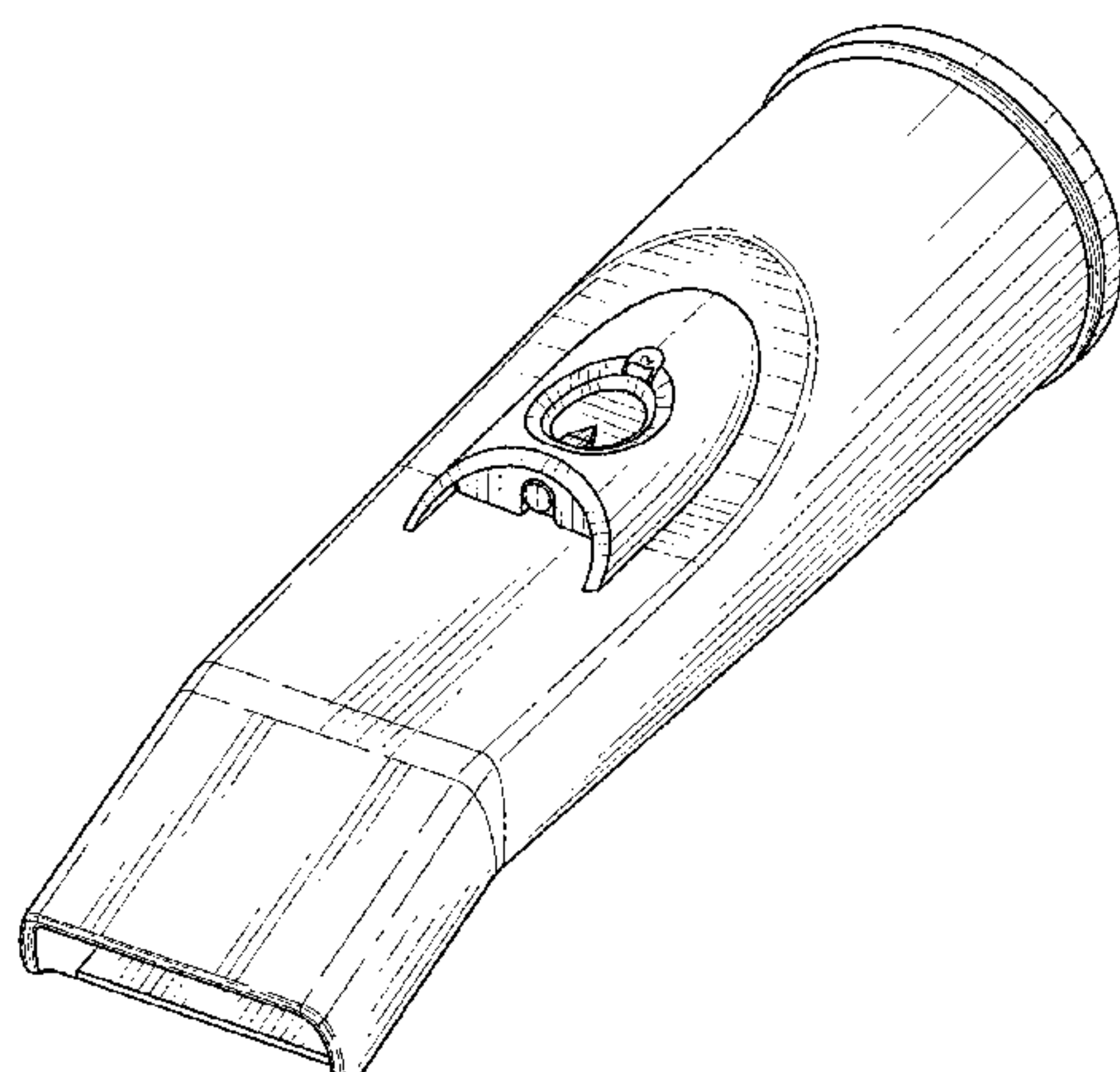
FIG. 11 is side view thereof;

FIG. 12 is a side view thereof, showing the side opposite that shown in FIG. 11;

FIG. 13 is a rear view thereof; and

FIG. 14 is a front view thereof.

1 Claim, 8 Drawing Sheets



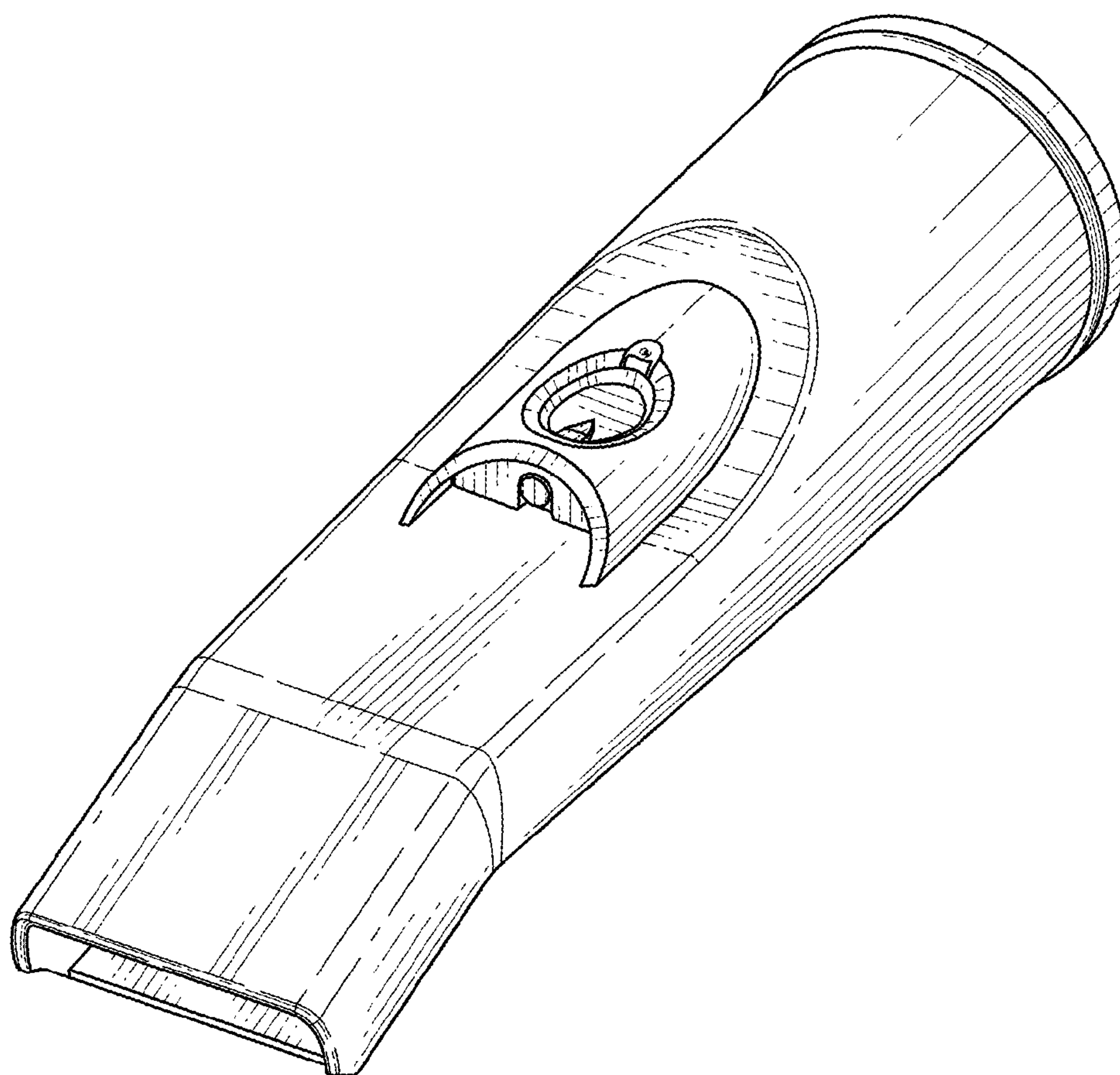


FIG. 1

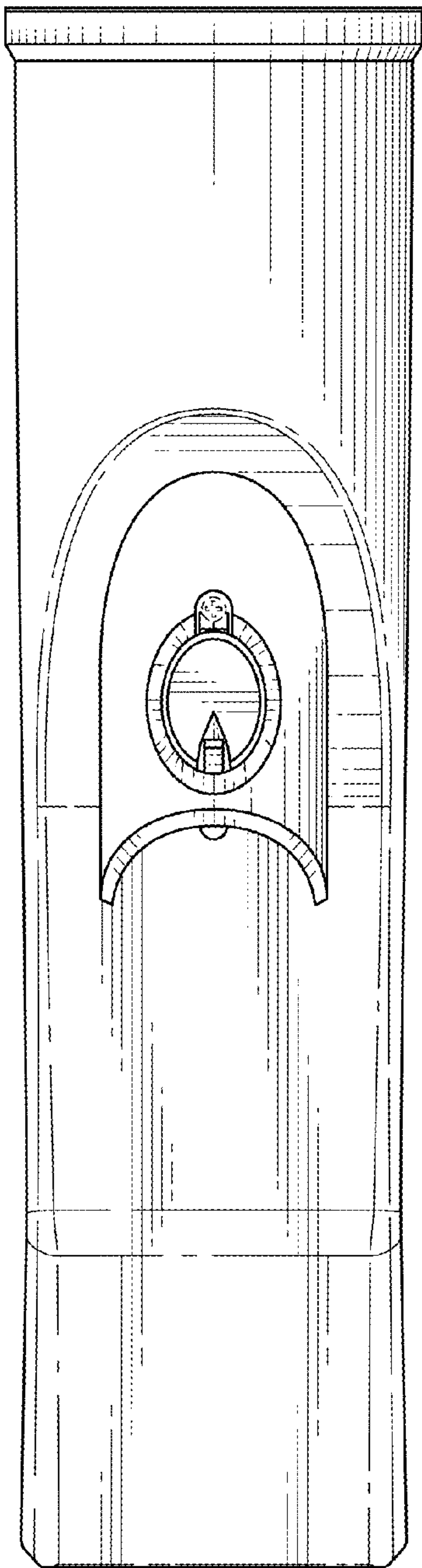


FIG. 2

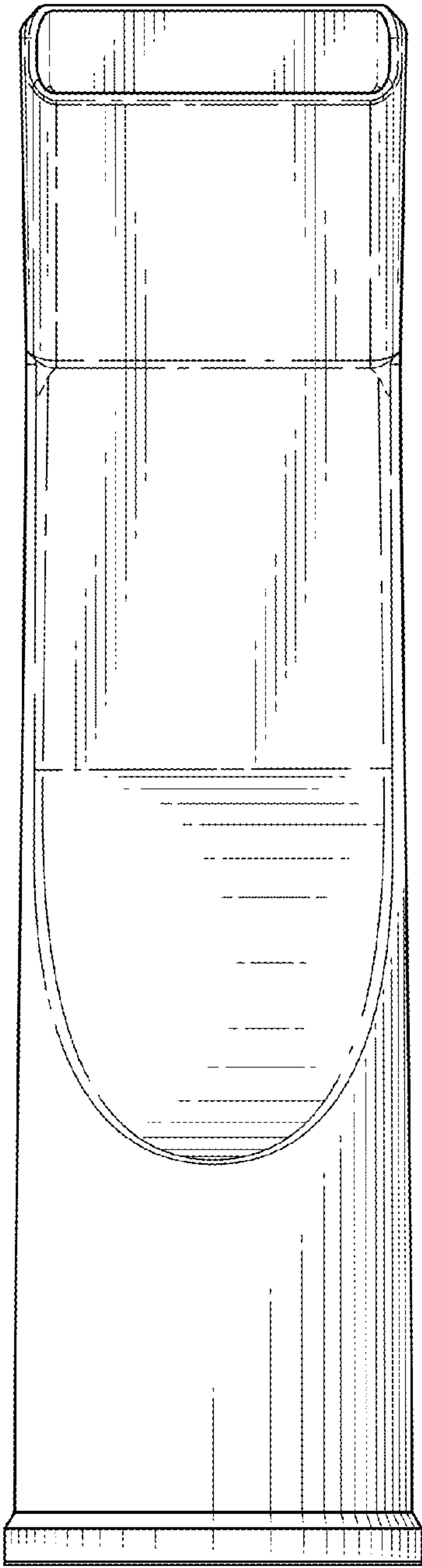


FIG. 3

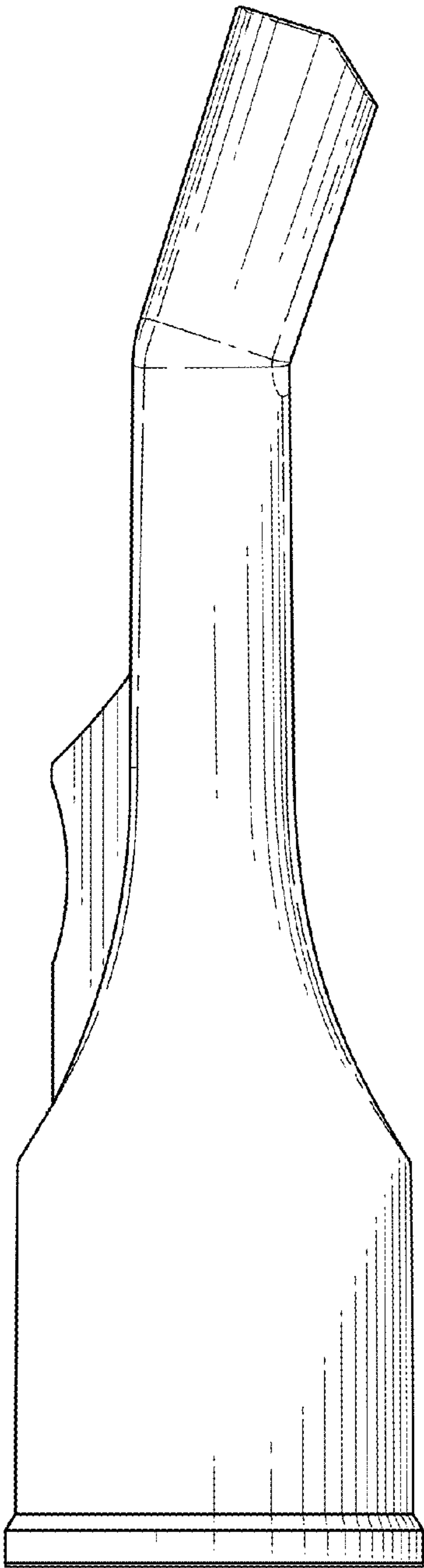


FIG. 4

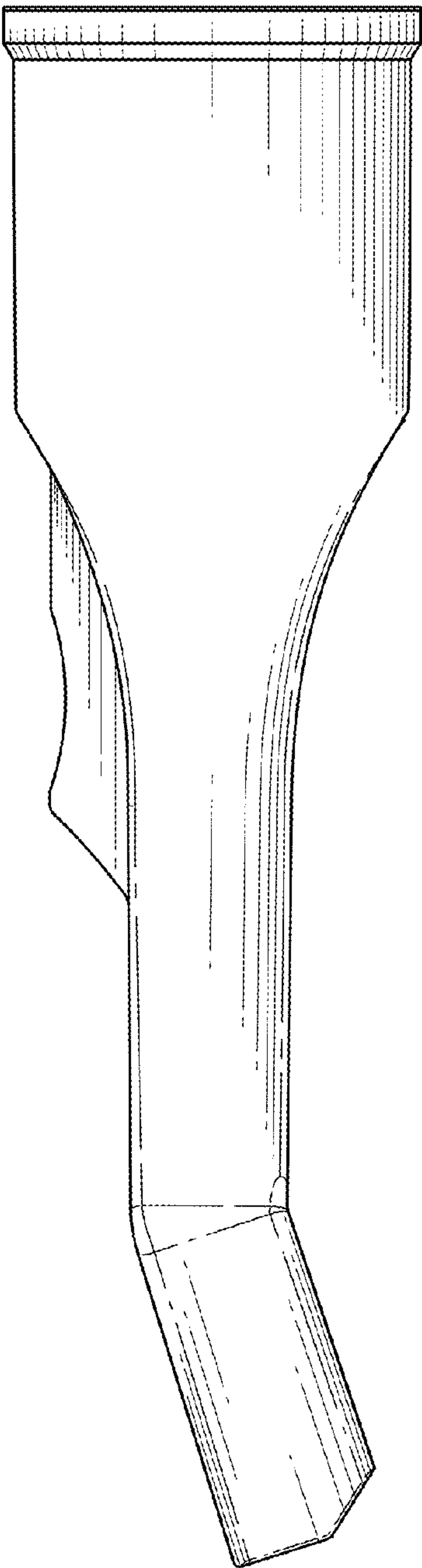


FIG. 5

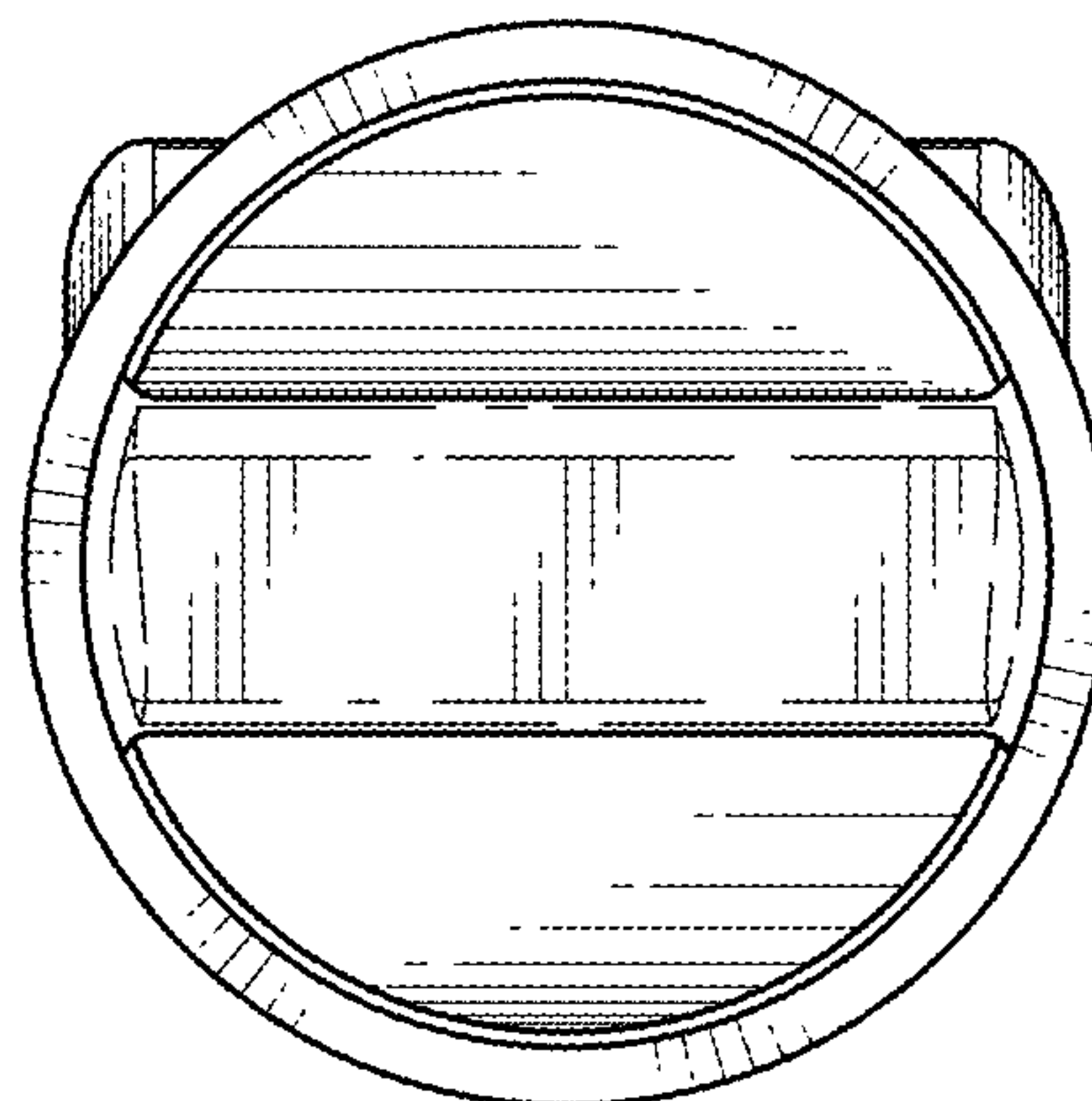


FIG. 6

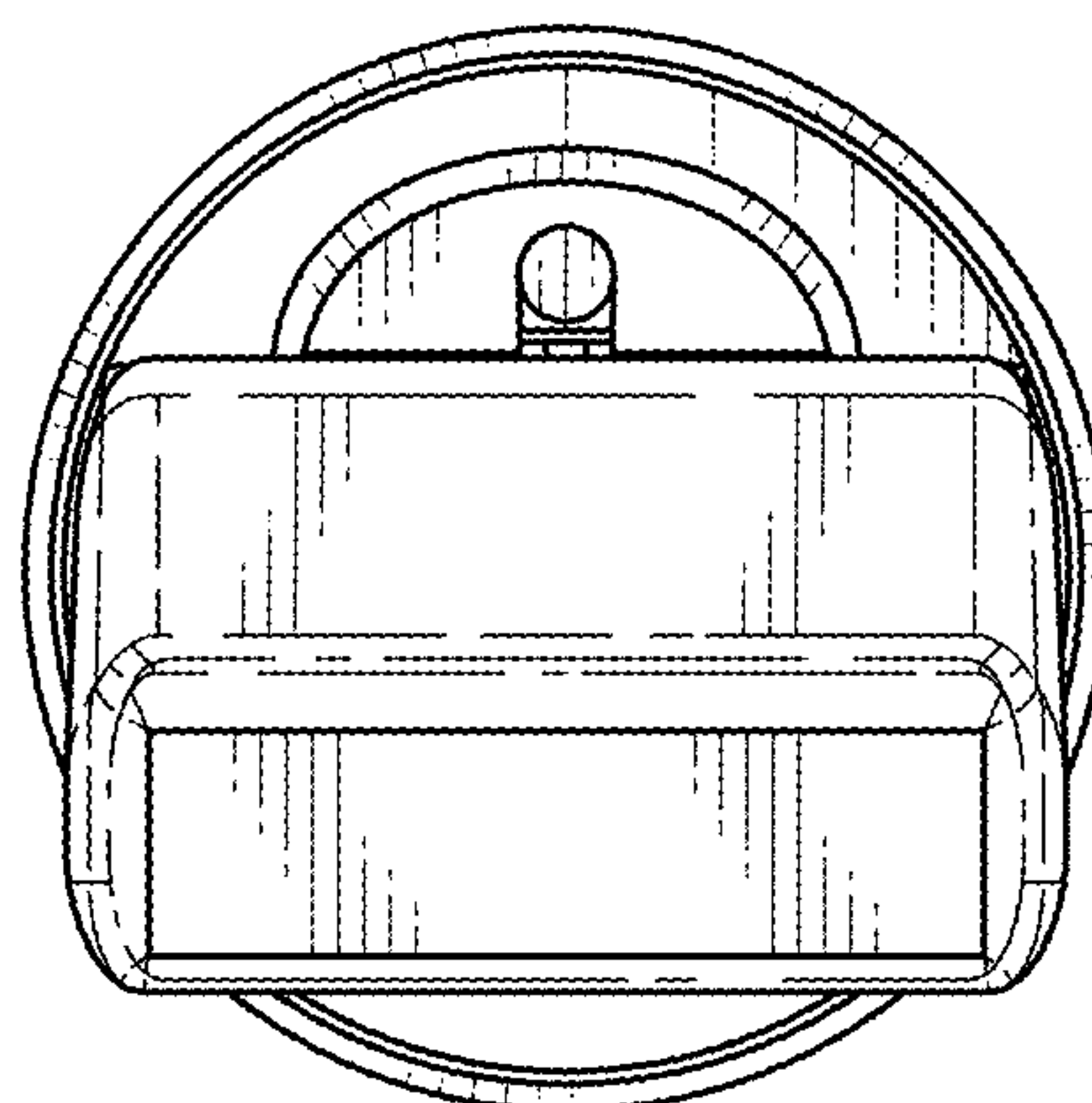


FIG. 7

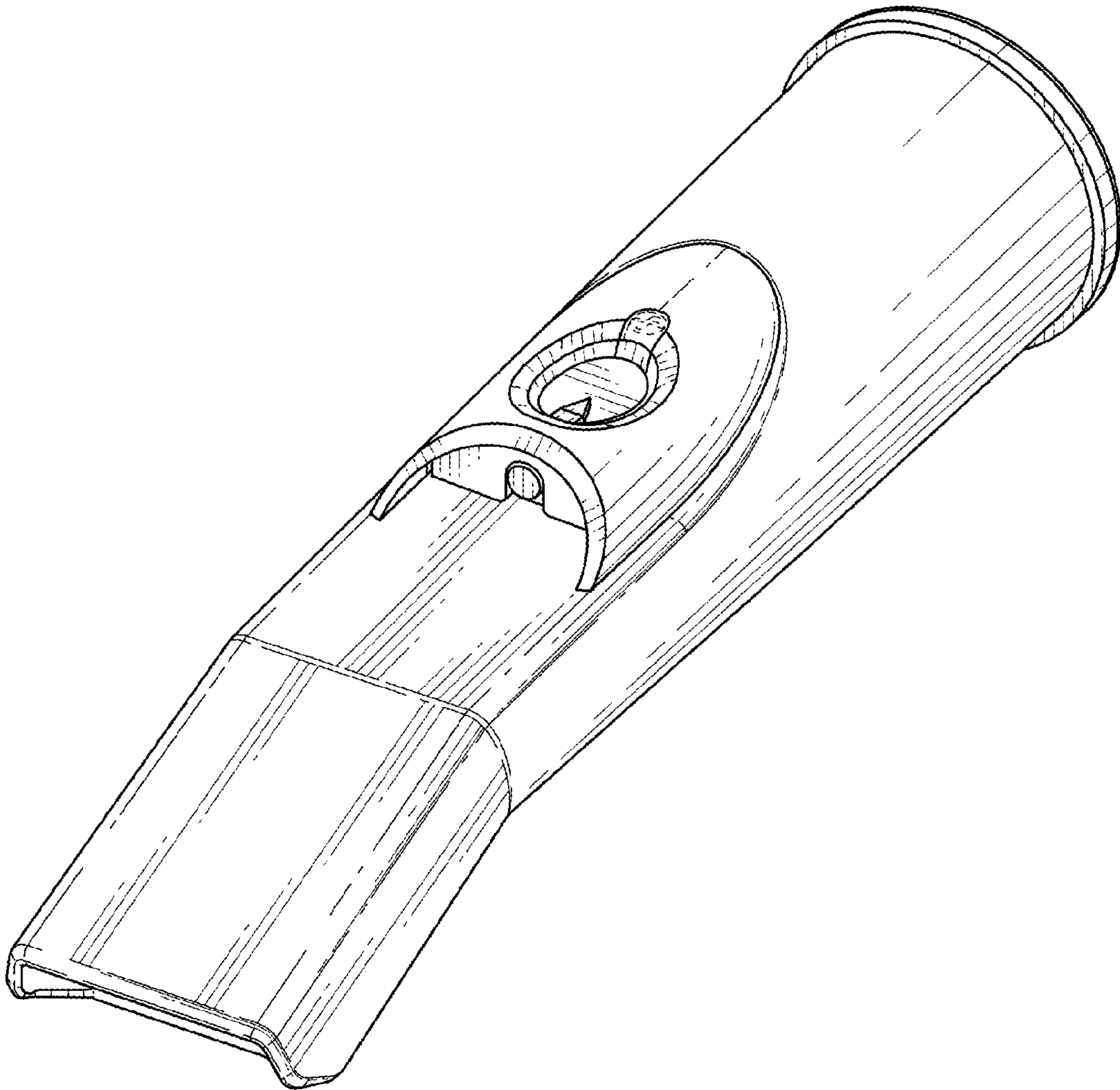


FIG. 8

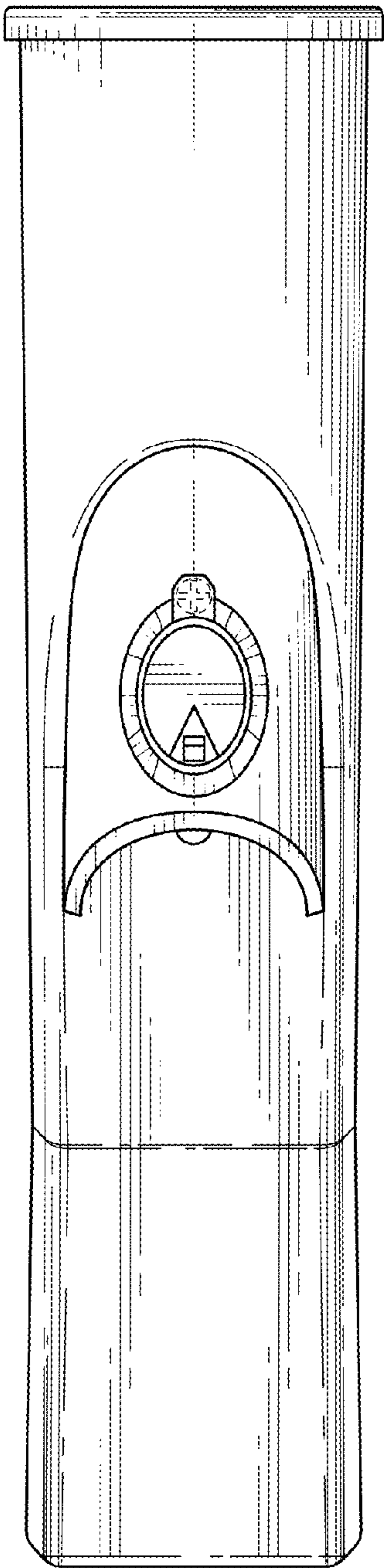


FIG. 9

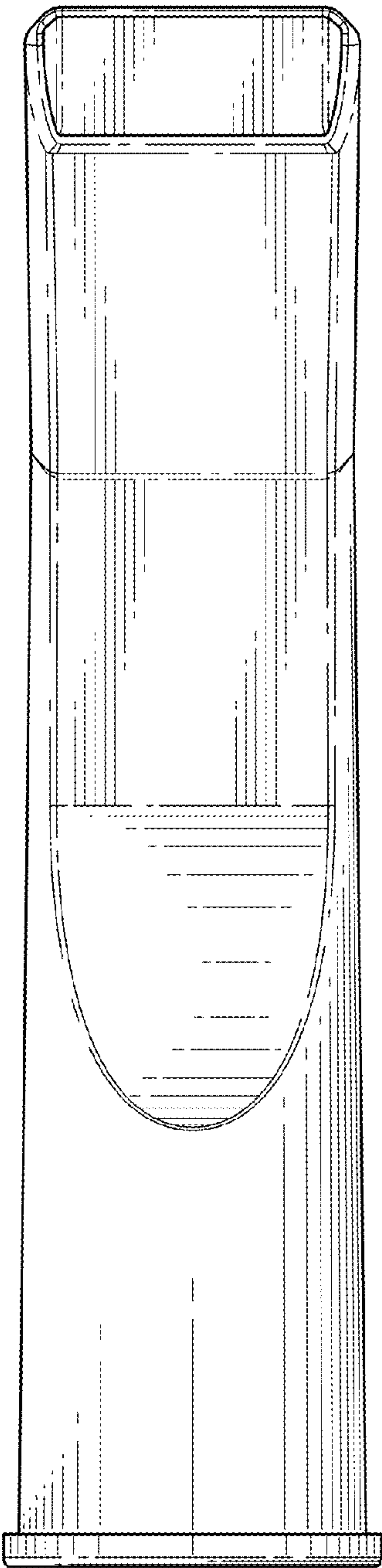


FIG. 10

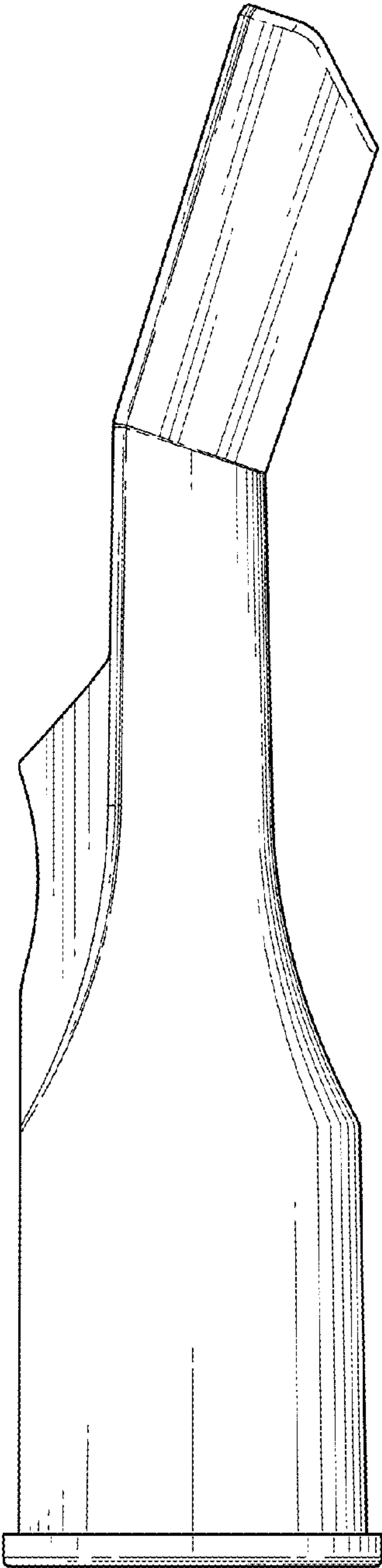


FIG. 11

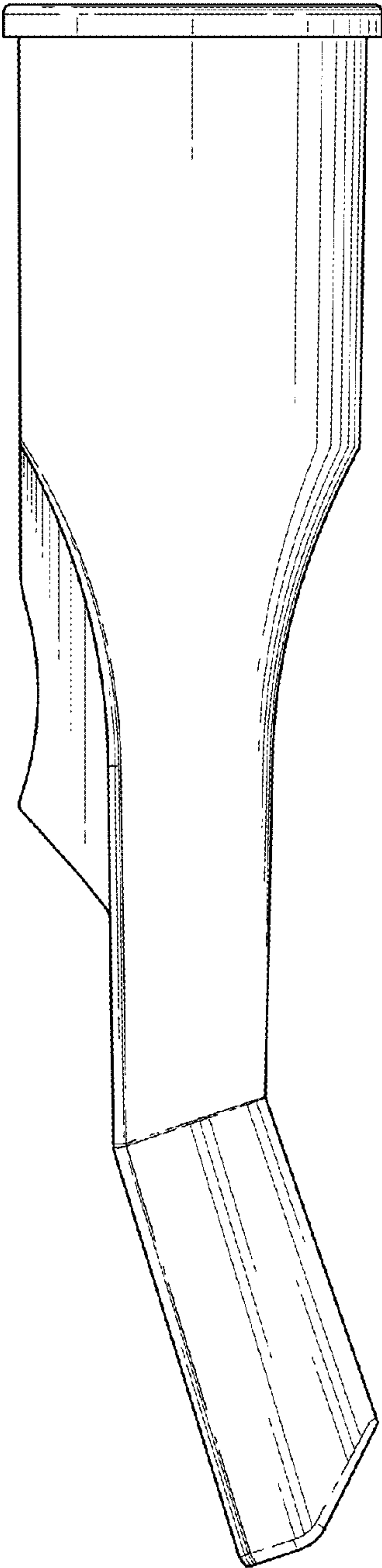


FIG. 12

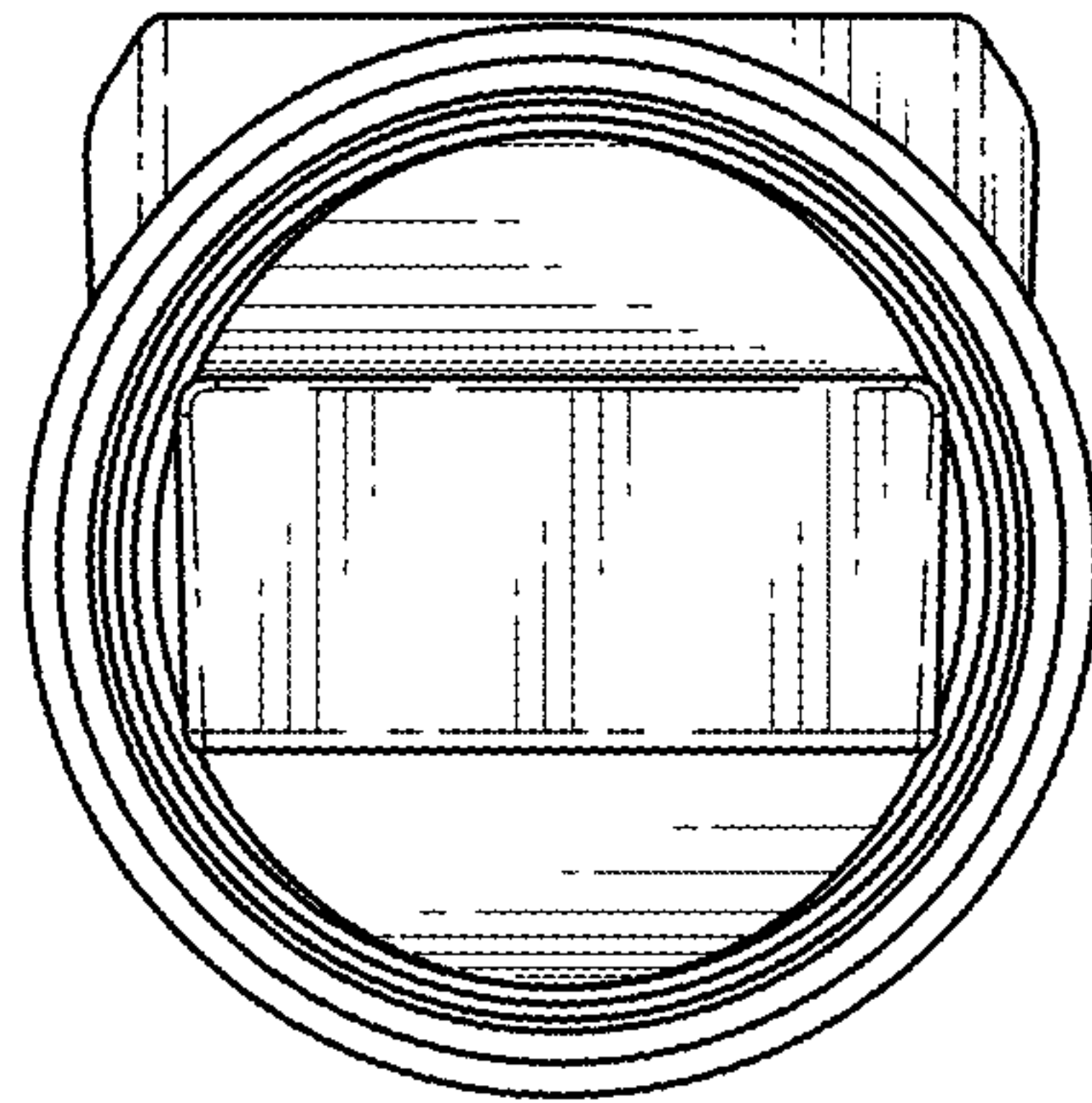


FIG. 13

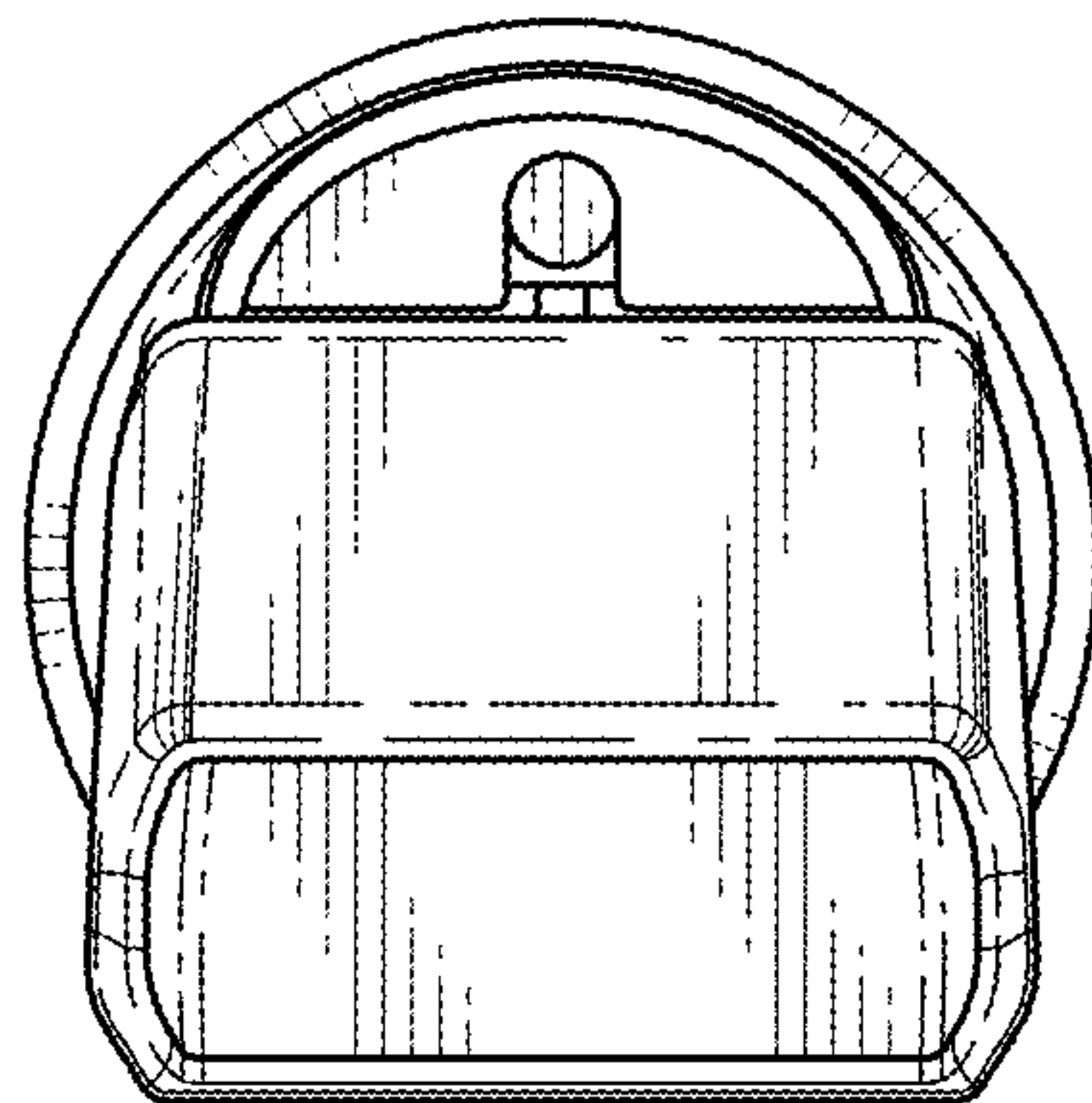


FIG. 14