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

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(54) **SOLUTION PRODUCTION SYSTEM**

(71) Applicant: **HCI CLEANING PRODUCTS LLC**,
Westford, MA (US)

(72) Inventors: **Stanley Marcinkowski**, Peabody, MA
(US); **David Owens**, Salisbury, MD
(US); **Douglas Marsden**, Boston, MA
(US)

(73) Assignee: **HCI Cleaning Products, LLC**,
Westford, MA (US)

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

(21) Appl. No.: **29/794,122**

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(51) **LOC (13) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/232**

(58) **Field of Classification Search**
USPC D24/107, 186, 216, 232, 233, 234, 121,
D24/122, 224, 231; D10/81; D9/517,
D9/523; D7/305, 316, 600.1
CPC . C25B 15/08; C25B 9/19; A61L 2/035; B05B
11/0056; C01D 1/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D286,178 S * 10/1986 Geissmann D24/232
D328,492 S * 8/1992 Mathis D24/121

D610,254 S * 2/2010 Huff D24/121
D685,219 S * 7/2013 Ciampa D7/319
D711,180 S * 8/2014 Villa D7/300.1
D739,038 S * 9/2015 Perry D24/224
D886,322 S * 6/2020 Neuman D24/232
D887,761 S * 6/2020 Xu D7/300.1
11,105,011 B2 * 8/2021 Marcinkowski C25B 15/08
D952,185 S * 5/2022 Marcinkowski D24/232
2016/0330968 A1 * 11/2016 Owens C01D 1/04
2018/0214584 A1 * 8/2018 Marcinkowski C01D 1/04
2020/0123670 A1 * 4/2020 Marcinkowski C25B 9/19

* cited by examiner

Primary Examiner — Anhdao Doan

(74) *Attorney, Agent, or Firm* — Danielson Legal LLC

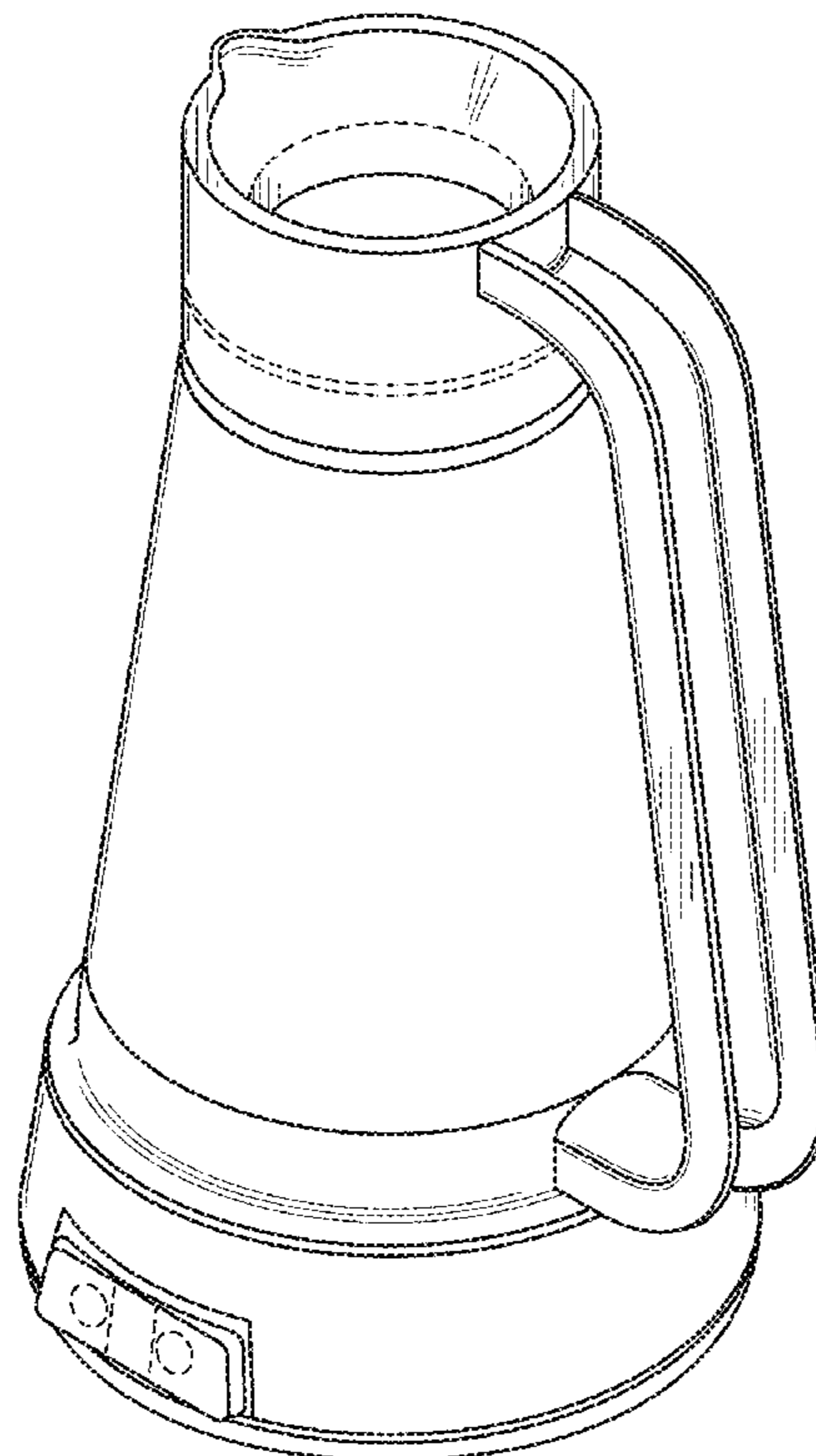
(57) **CLAIM**

The ornamental design for a solution production system, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a solution production system of the present invention;
FIG. 2 is a front view thereof;
FIG. 3 is a right side view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a rear view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.
The broken lines represent portions of the article that form no part of the claim.

1 Claim, 7 Drawing Sheets



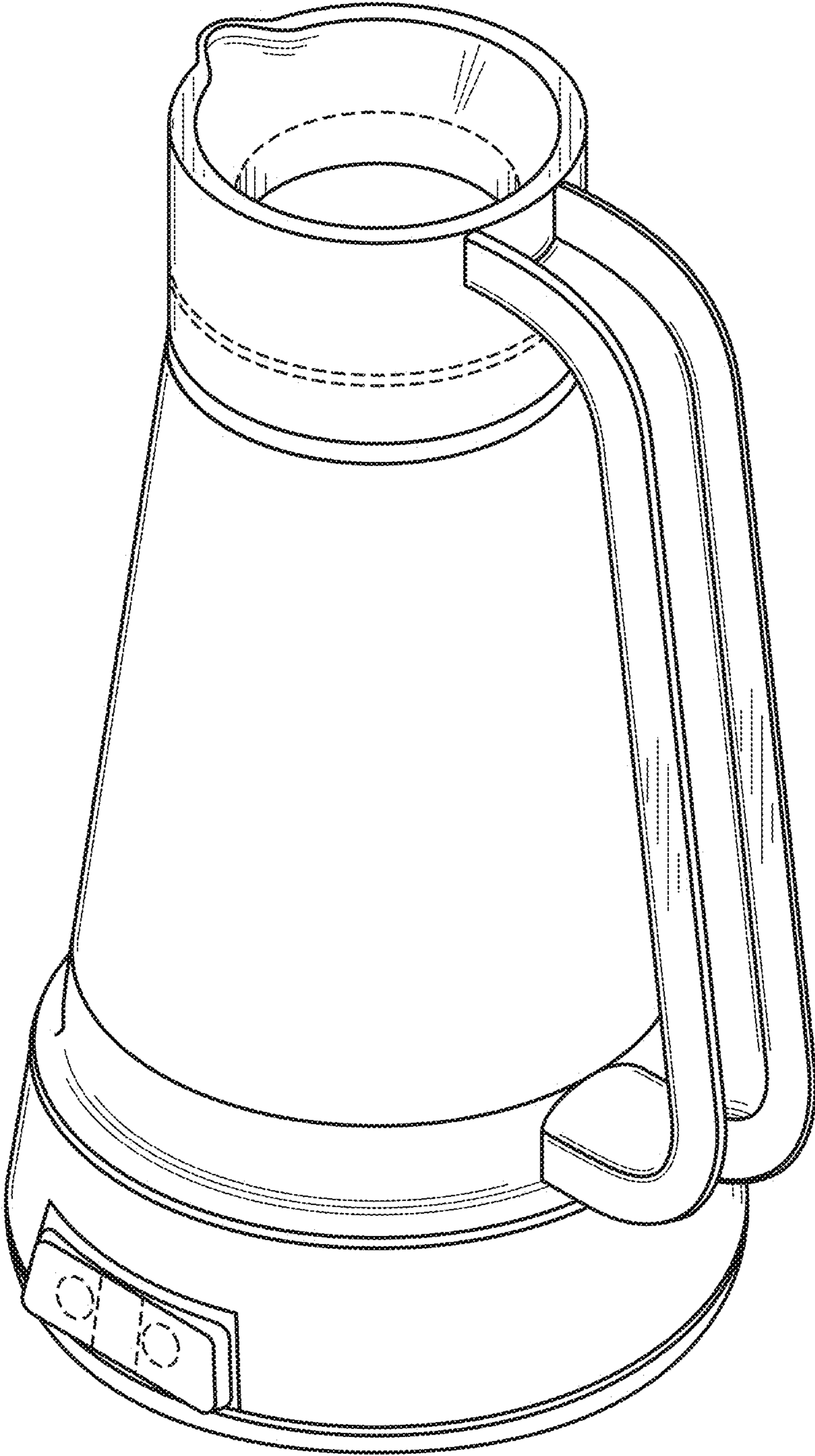


FIG. 1

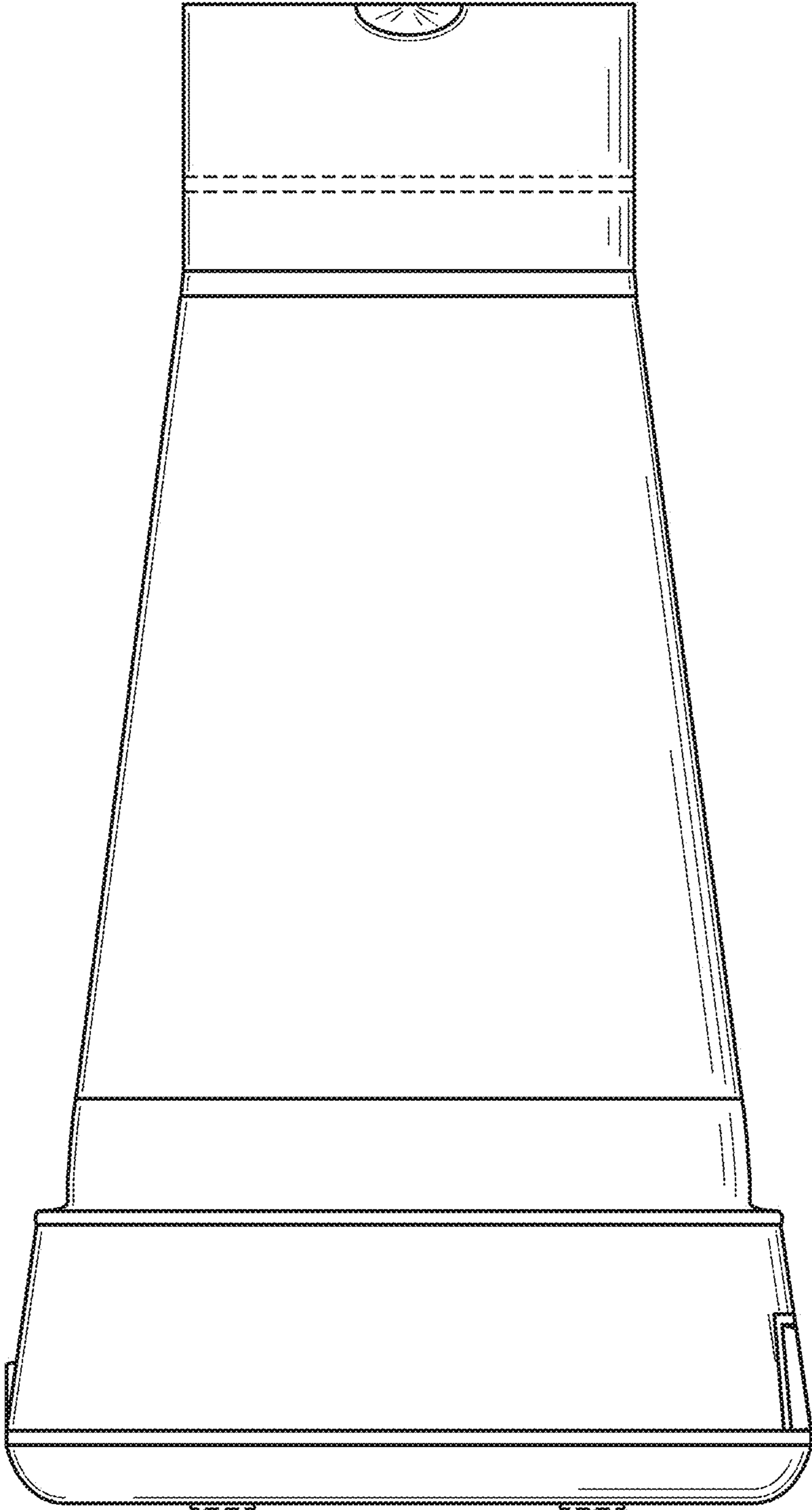


FIG. 2

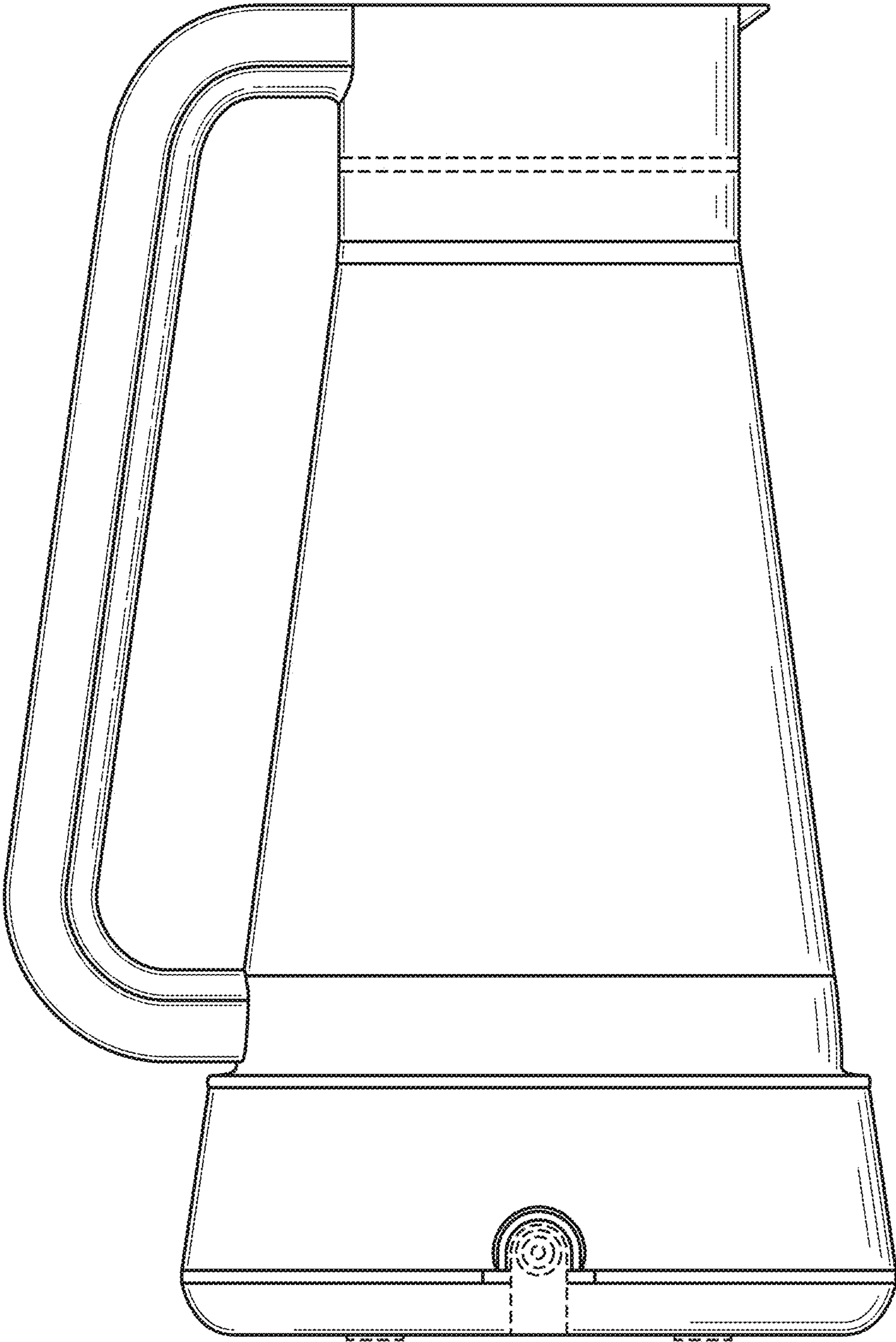


FIG. 3

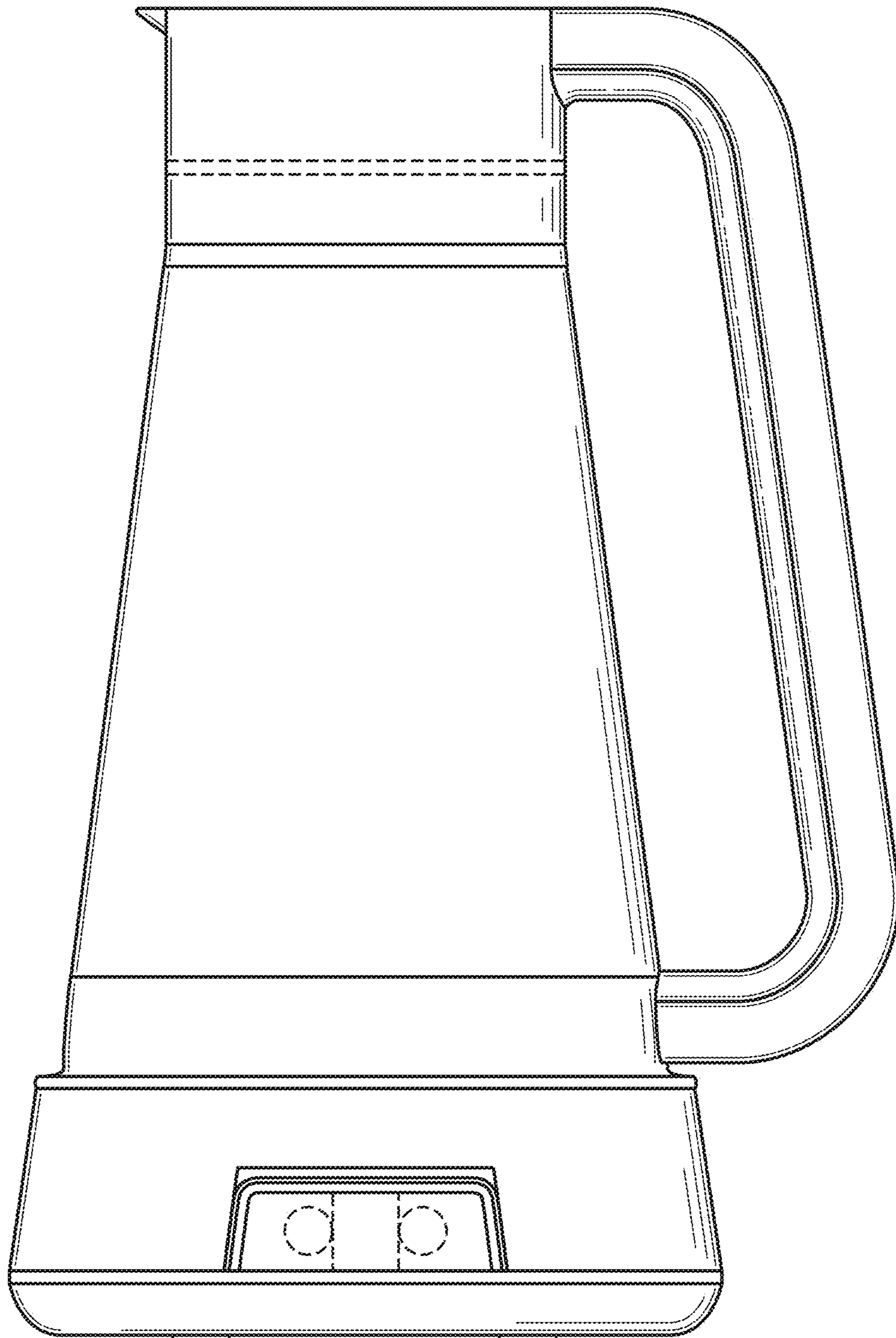


FIG. 4

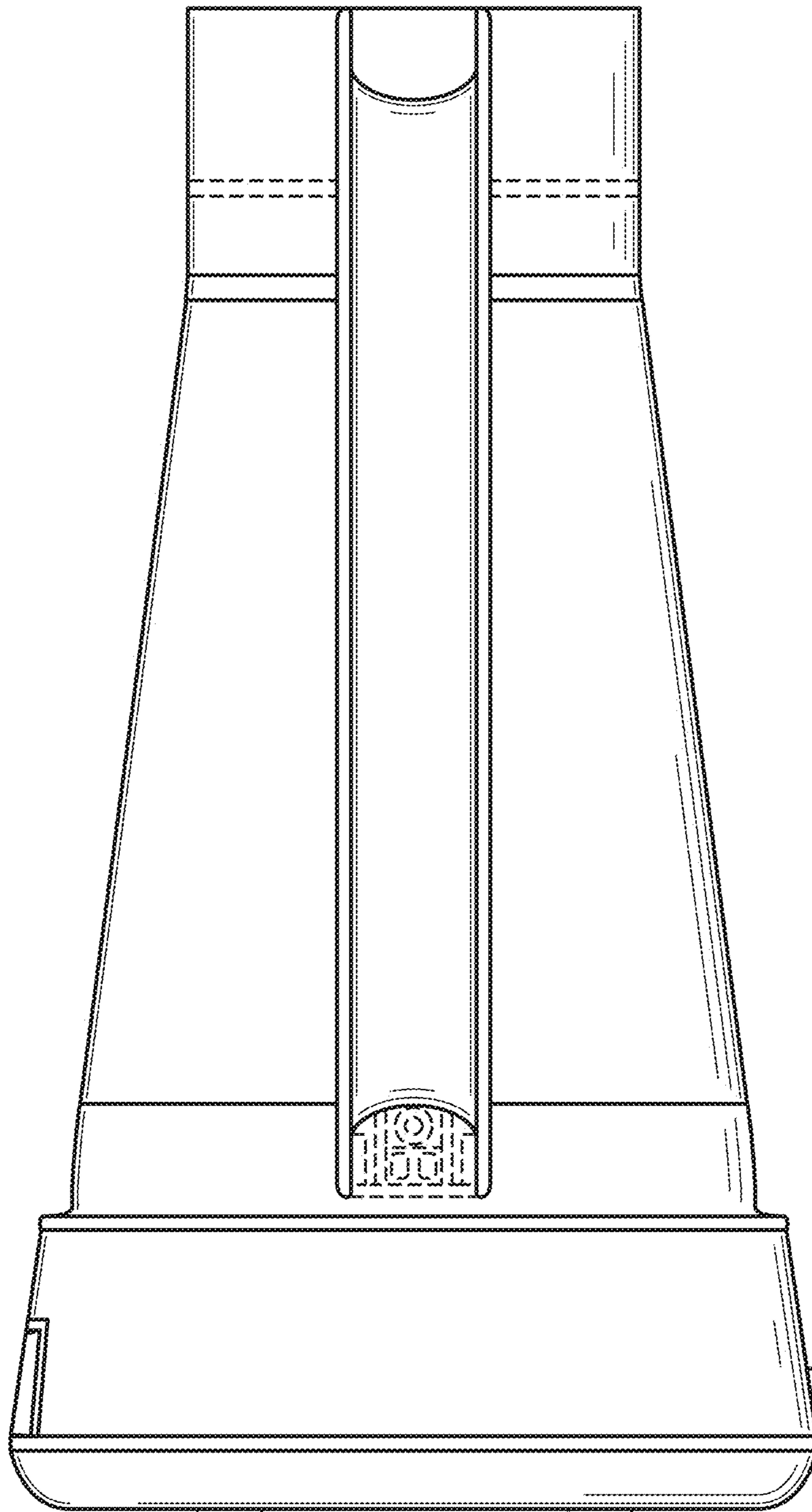


FIG. 5

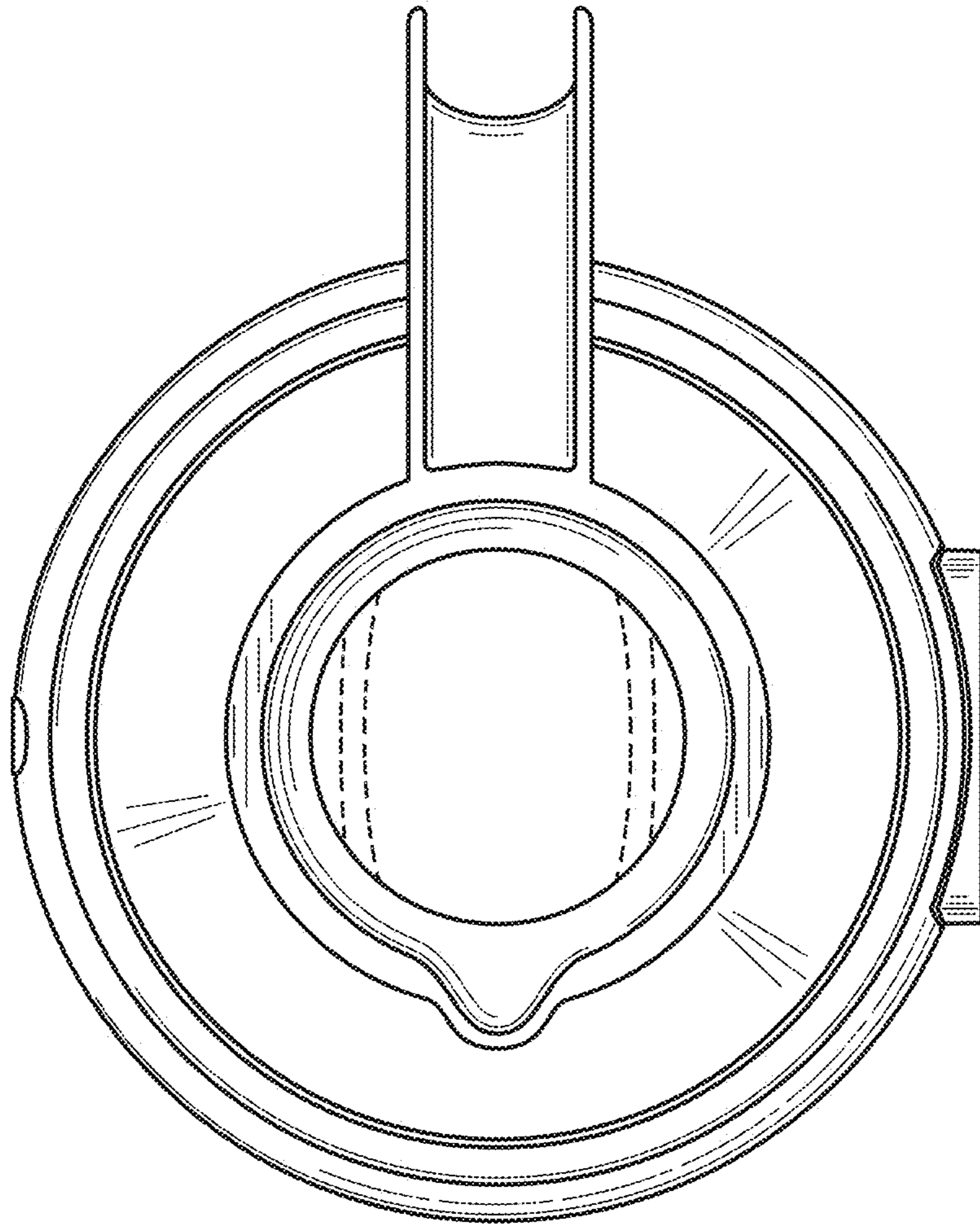


FIG. 6

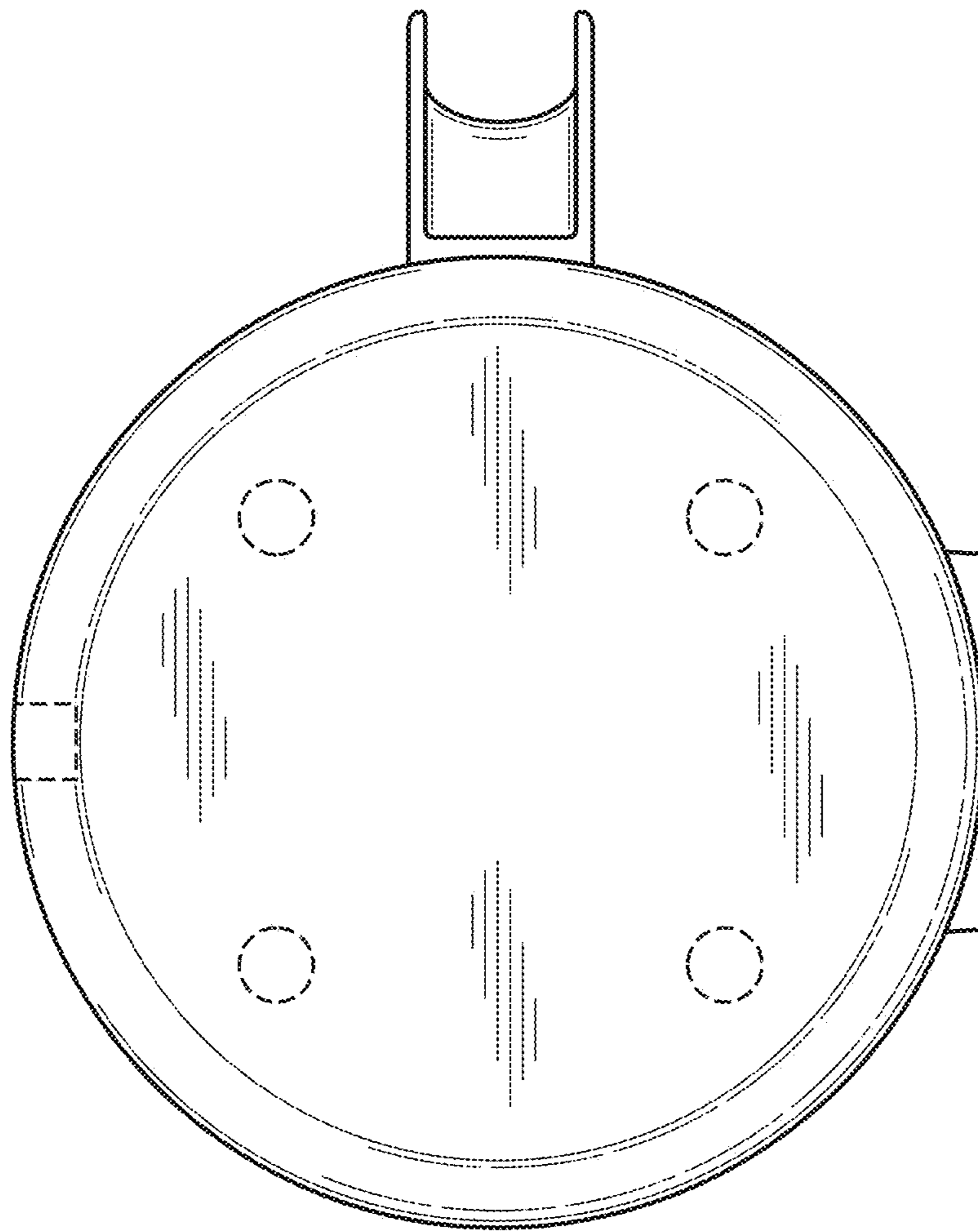


FIG. 7