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

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(54) **WATER ELECTROLYSIS DEVICE**

(71) Applicant: **SOLCO BIOMEDICAL CO., LTD.**,  
Gyeonggi-do (KR)

(72) Inventors: **Hwigeun Yu**, Gyeonggi-do (KR); **II Kim**, Seoul (KR)

(73) Assignee: **SOLCO BIOMEDICAL CO., LTD.**,  
Gyeonggi-Do (KR)

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

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(51) **LOC (13) Cl.** ..... **09-01**

(52) **U.S. Cl.**  
USPC ..... **D9/689**

(58) **Field of Classification Search**  
USPC ..... D23/200, 202, 207, 208, 209, 210, 365;  
D9/448, 685, 689  
CPC .... C02F 1/003; C02F 9/005; C02F 2201/006;  
C02F 2201/007; C02F 2307/02; C02F  
2307/10; B05B 11/0072; B05B 11/3009  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D456,246 S \* 4/2002 Drake ..... D3/315  
D582,272 S \* 12/2008 Cichy ..... D9/448  
D674,695 S \* 1/2013 Thurin ..... D9/448  
D675,103 S \* 1/2013 Broen ..... D9/689  
D731,321 S \* 6/2015 Farrell ..... D9/685  
9,758,294 B2 \* 9/2017 McDaniel ..... B29C 49/071  
D830,194 S \* 10/2018 Maas ..... D9/689  
10,328,447 B1 \* 6/2019 Vandenberg ..... B05B 11/3045

D866,325 S \* 11/2019 Tu ..... D9/448  
D867,136 S \* 11/2019 Tu ..... D9/448  
D870,654 S \* 12/2019 Lin ..... D13/101  
D873,137 S \* 1/2020 Takizawa ..... D9/448  
D907,173 S \* 1/2021 Cho ..... D23/207  
D909,882 S \* 2/2021 Van Den Bergh ..... D9/685  
D915,218 S \* 4/2021 Capper ..... D9/686  
D918,730 S \* 5/2021 Van Den Bergh ..... D9/575

(Continued)

**OTHER PUBLICATIONS**

Force of Nature Multi-Purpose Cleaner, Jul. 23, 2019, Amazon, site visited Jun. 23, 2022: <https://www.amazon.com/dp/B07VN867J6/?th=1> (Year: 2019).\*

(Continued)

*Primary Examiner* — Jack Reickel

*Assistant Examiner* — Bobby W Jones, II

(74) *Attorney, Agent, or Firm* — Duane Morris LLP

(57) **CLAIM**

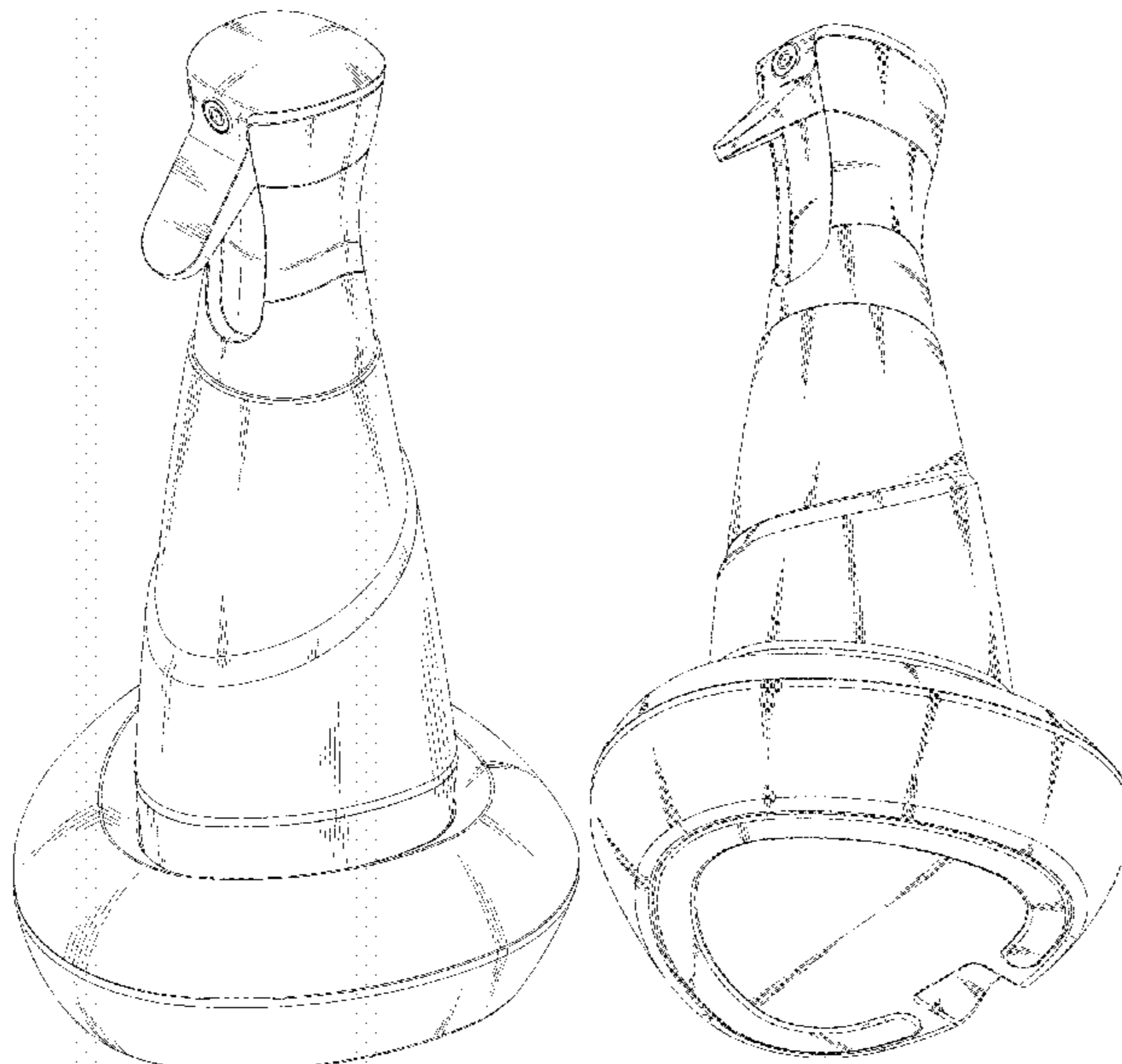
The ornamental design for a water electrolysis device, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the water electrolysis device; FIG. 2 is a front view of the water electrolysis device; FIG. 3 is a rear view of the water electrolysis device; FIG. 4 is a left side view of the water electrolysis device; FIG. 5 is a right side view of the water electrolysis device; FIG. 6 is a top plan view of the water electrolysis device; FIG. 7 is a bottom plan view of the water electrolysis device; and, FIG. 8 is a bottom perspective view of the water electrolysis device.

The wire frame lines shown throughout the views are intended to indicate surface contour and are not intended to be surface ornamentation.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

11,034,507 B2 \* 6/2021 Spang, Jr. .... B65D 83/206  
D944,644 S \* 3/2022 Nervo ..... D9/448  
2012/0048959 A1 \* 3/2012 Maas ..... B05B 9/0883  
222/1  
2013/0112766 A1 \* 5/2013 Maas ..... B05B 11/0027  
222/340  
2019/0062933 A1 \* 2/2019 Lin ..... C25B 9/73  
2019/0232311 A1 \* 8/2019 Hoefte ..... B05B 11/0008  
2020/0024759 A1 \* 1/2020 Booth ..... B05B 9/0861  
2021/0022581 A1 \* 1/2021 Piksa ..... A47L 13/22

OTHER PUBLICATIONS

Hitech Bio Nigeria photo, Apr. 17, 2020, Facebook, site visited Jun.  
23, 2022: <https://www.facebook.com/HitechBioNigeria/photos/109240344089200> (Year: 2020).\*

\* cited by examiner

FIG. 1

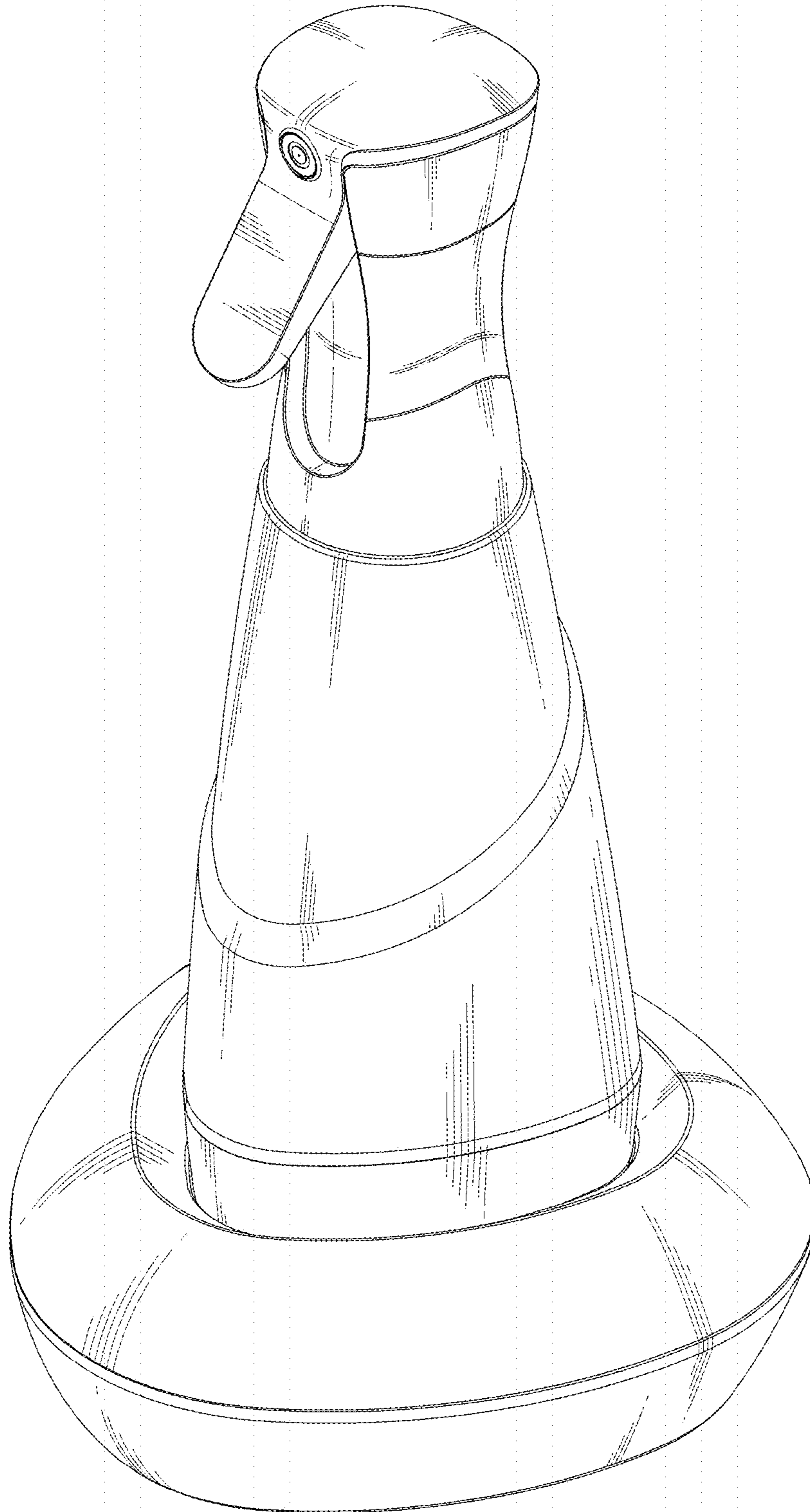


FIG. 2

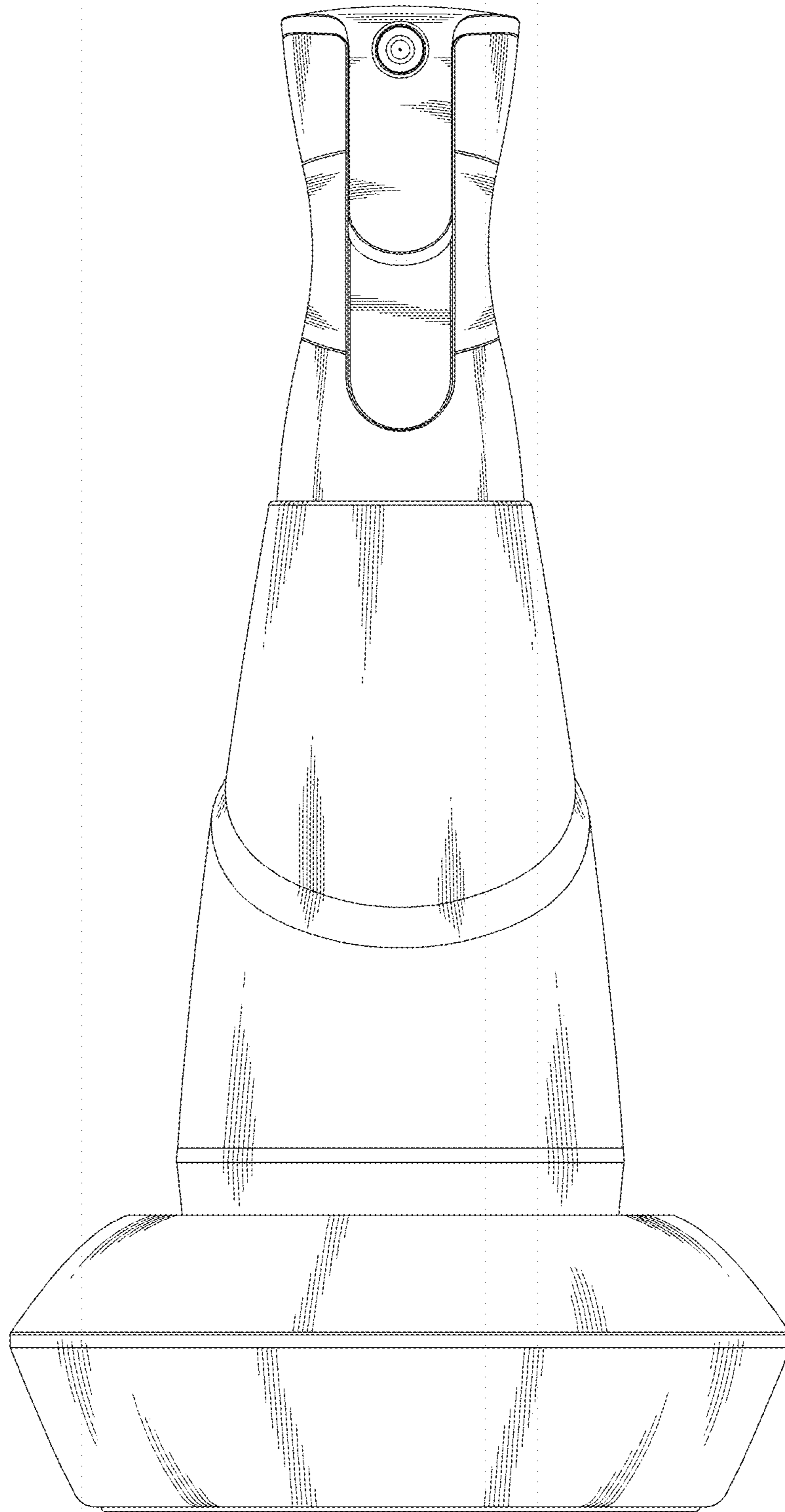


FIG. 3

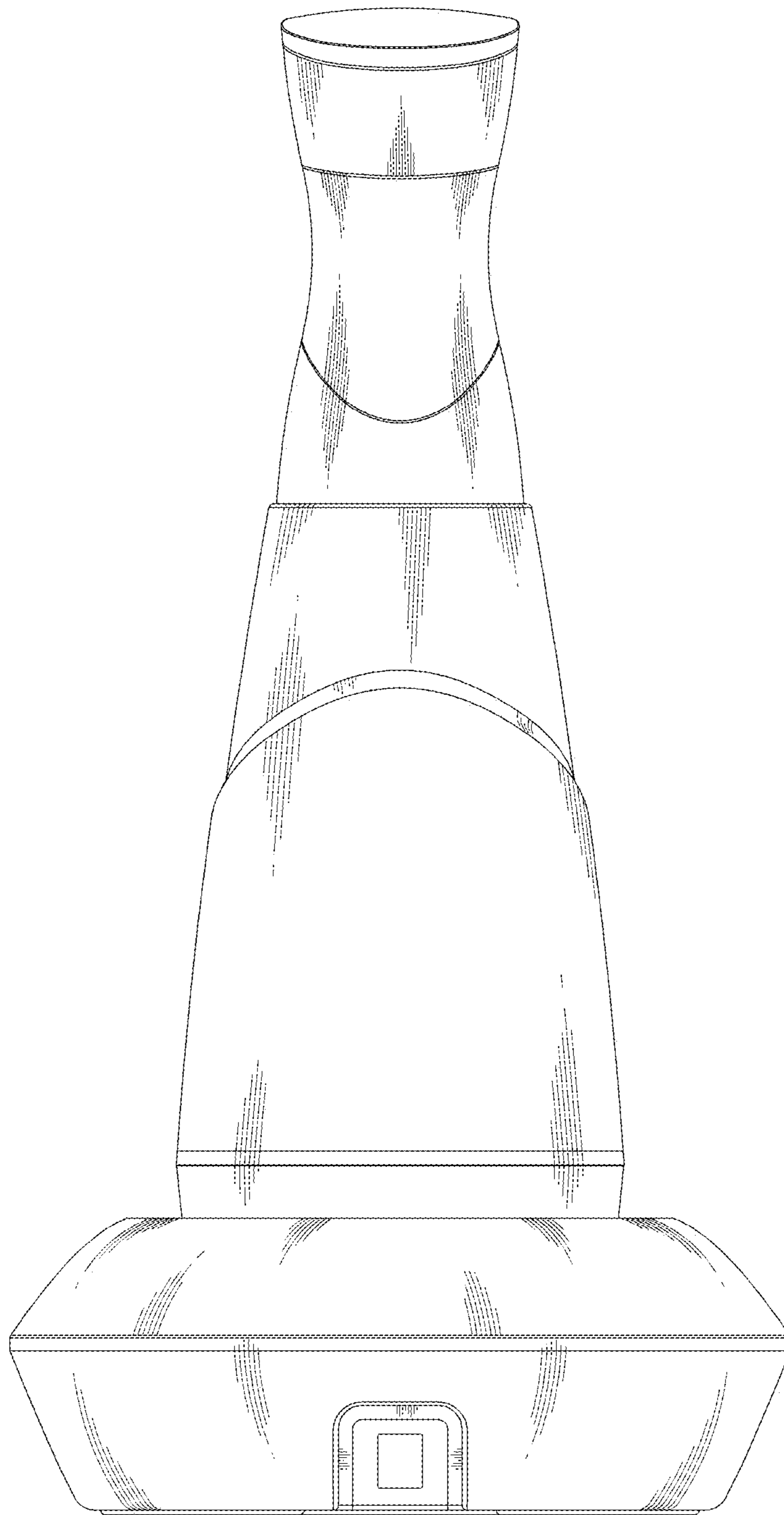


FIG. 4

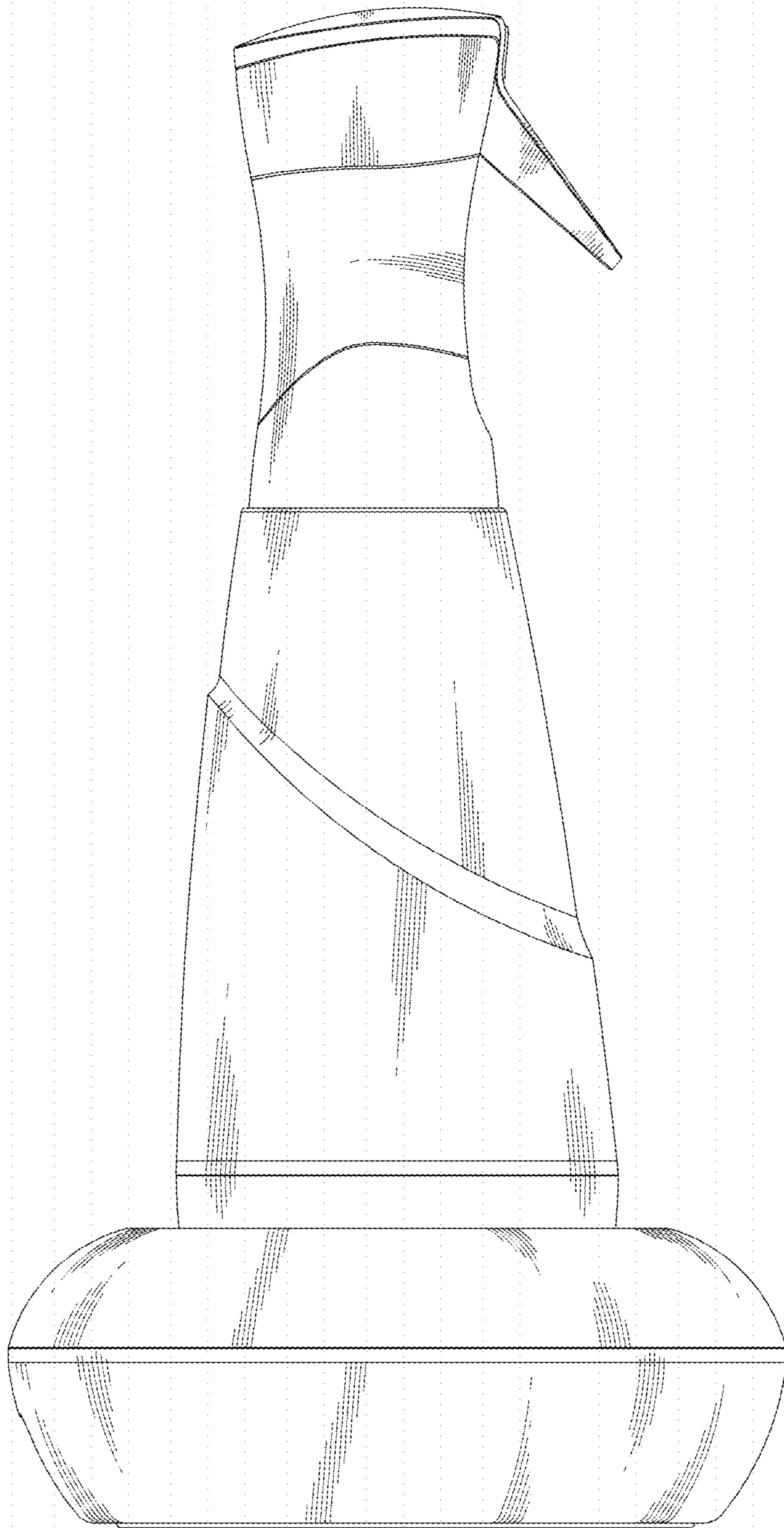


FIG. 5

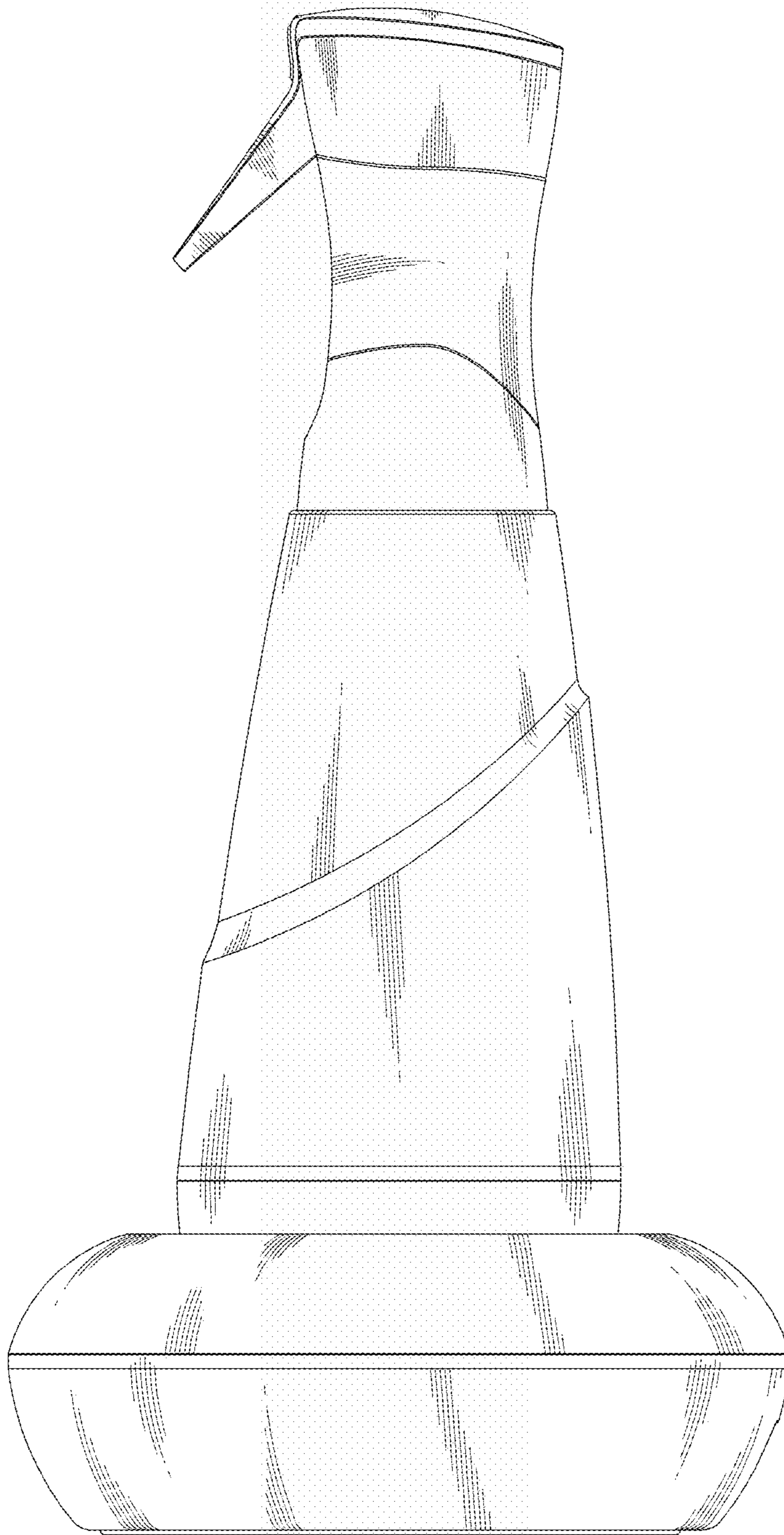


FIG. 6

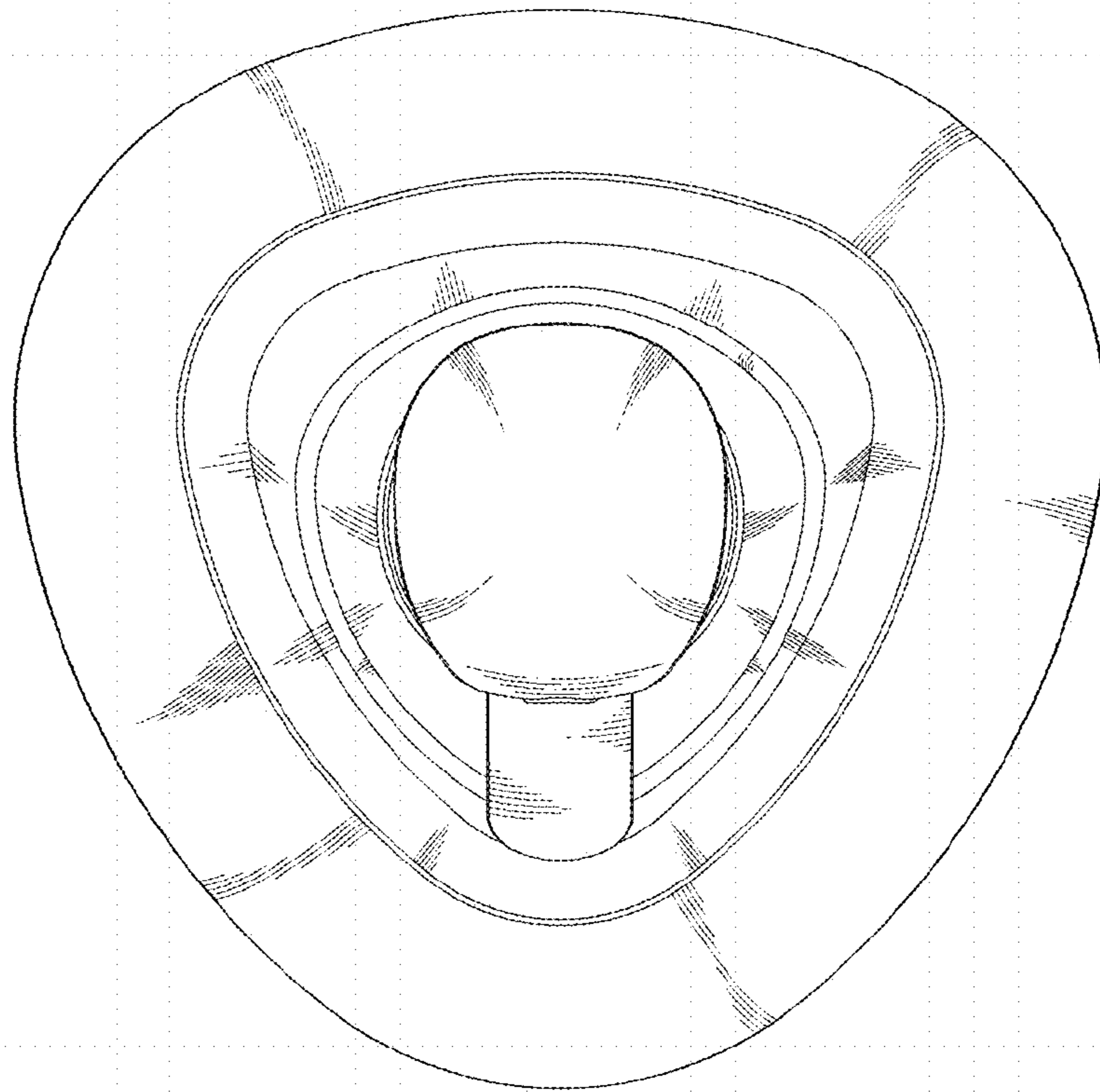
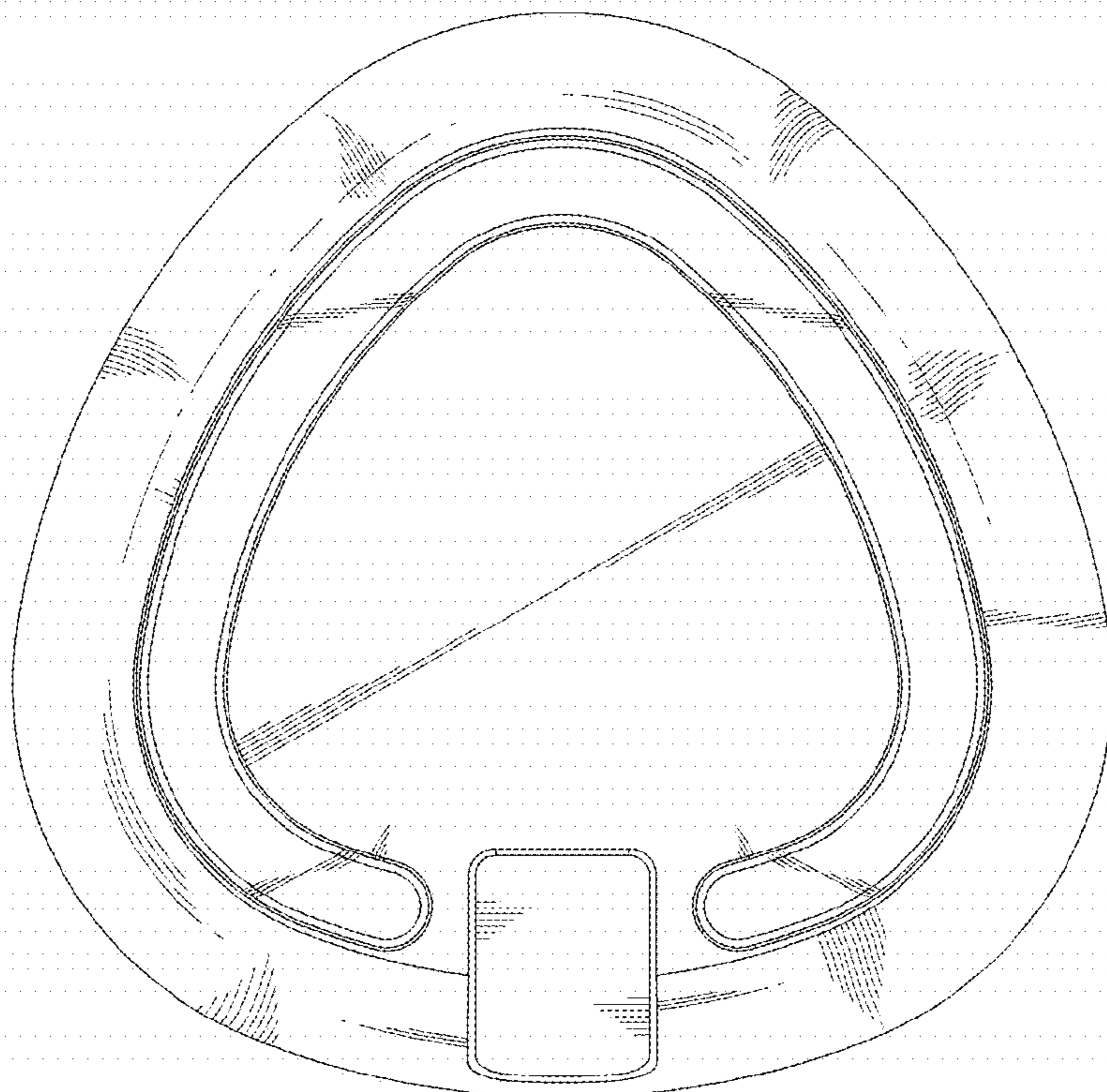


FIG. 7





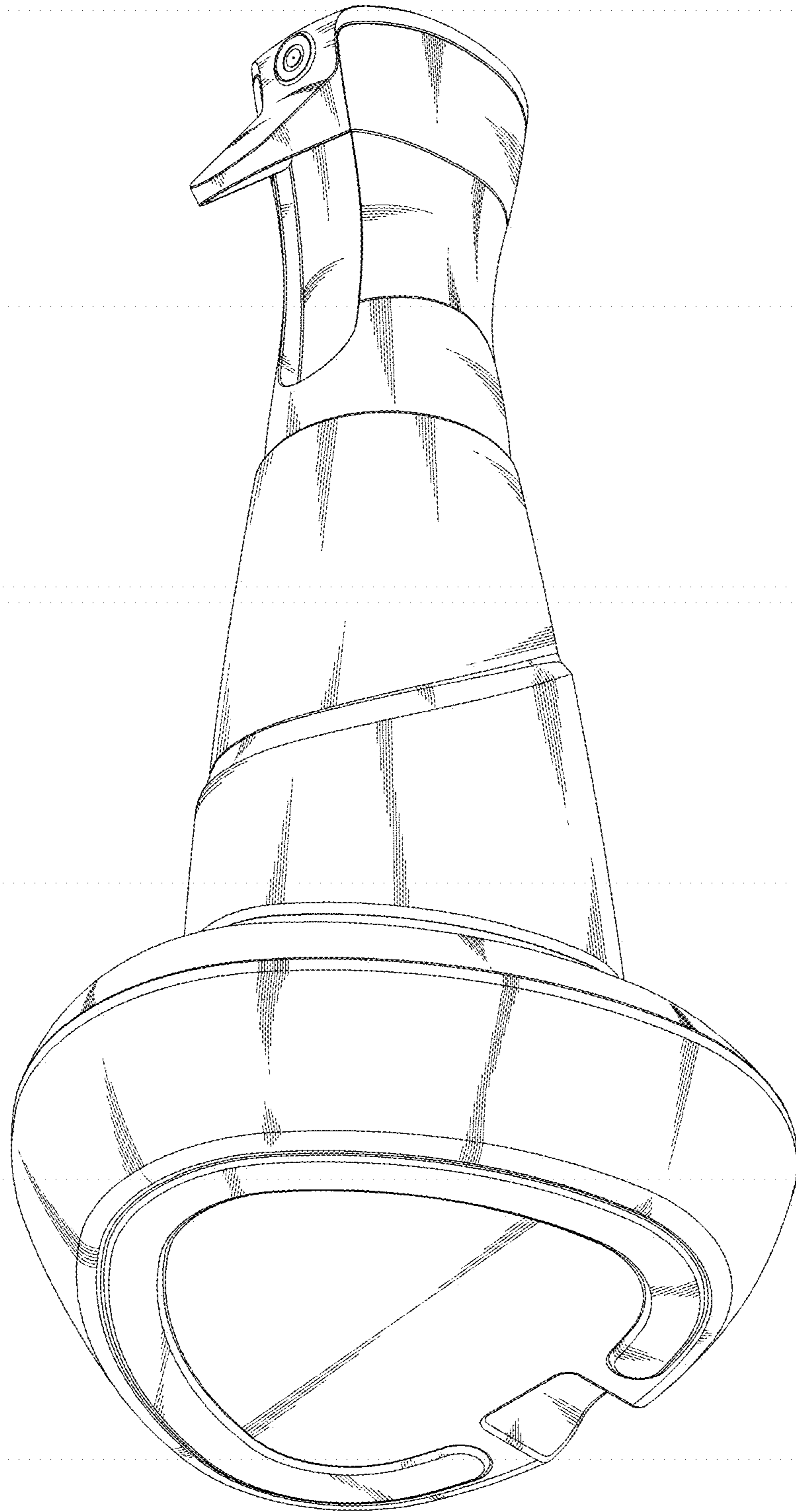


FIG. 8