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(12) **United States Design Patent** (10) **Patent No.:** **US D971,878 S**
Yang (45) **Date of Patent:** **** Dec. 6, 2022**

(54) SPEAKER HUMIDIFIER	4,620,317 A * 10/1986 Anderson H04R 1/345 381/160
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(**) Term: 15 Years	(Continued)

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** **14-01**

(52) **U.S. Cl.**
USPC **D14/209.1**

(58) **Field of Classification Search**
USPC D14/209.1, 204, 215, 216, 221, 225;
D23/356, 359, 386, 366; D6/309-310;
D24/203, 231; 181/141, 145, 153;
381/303, 338
CPC . H04R 25/00; H04R 5/02; H04R 1/02; H04R
1/28; F24F 6/14; A61L 9/04; H05K 5/00
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,547,220 A * 12/1970 Watson H04R 1/2857 181/171
D255,712 S * 7/1980 Chihara D23/356
4,399,080 A * 8/1983 Swank F24F 6/06 261/80

FOREIGN PATENT DOCUMENTS

CN	306218649	* 12/2020
GB	6103945	* 10/2020
GB	6142923	* 6/2021

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(57) **CLAIM**

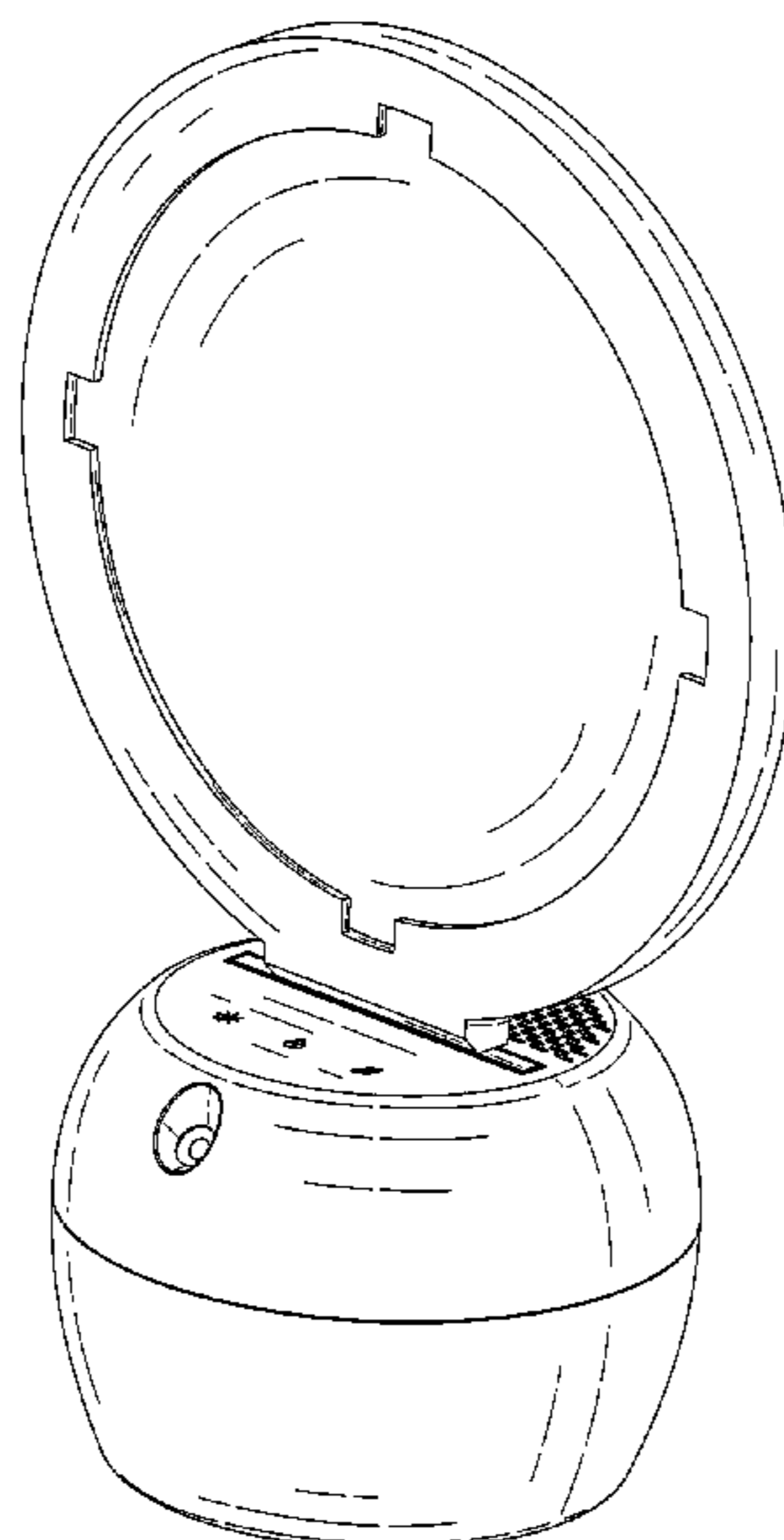
The ornamental design for a speaker humidifier, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a speaker humidifier showing my new design;
 FIG. 2 is an exploded view thereof;
 FIG. 3 is a front view thereof;
 FIG. 4 is a back view thereof;
 FIG. 5 is a left side view thereof;
 FIG. 6 is a right side view thereof;
 FIG. 7 is a top plan view thereof; and,
 FIG. 8 is a bottom plan view thereof.

The dashed or broken lines shown in the drawings depict portions of the speaker humidifier in which the design is embodied that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D738,118 S * 9/2015 Gyanendra D23/370
D738,353 S * 9/2015 Slaato D14/216
D742,853 S * 11/2015 Ugglä D14/209.1
D768,604 S * 10/2016 Flowers D13/108
D781,266 S * 3/2017 Ahn D14/215
D793,099 S * 8/2017 Bailey D6/309
D857,648 S * 8/2019 Okuley D14/204
D858,732 S * 9/2019 Hyon A61L 9/00
D858,733 S * 9/2019 Li D23/356
D878,339 S * 3/2020 Chen D23/366
D880,774 S * 4/2020 Babayan D14/226
D900,788 S * 4/2020 Babayan D6/309
D901,459 S * 11/2020 Wang D14/216
D902,883 S * 11/2020 Zhao D14/225
D909,993 S * 11/2020 Simonelli D14/204
D920,538 S * 2/2021 Han D10/2
D923,767 S * 5/2021 Zhang D24/231
D931,834 S * 6/2021 Oram D23/356
D935,641 S * 9/2021 Han D14/216
D937,436 S * 11/2021 Zhou D24/231
D947,552 S * 11/2021 He D24/231
D951,232 S * 4/2022 Shin D6/309
2005/0263341 A1 * 5/2022 Zhao D24/231
2010/0225012 A1 * 12/2005 Minneci H04R 1/025
2010/0254800 A1 * 181/154
2013/0308813 A1 * 9/2010 Fitton F24F 6/14
2021/0137266 A1 * 261/28
2022/0168538 A1 * 10/2010 Fitton F04D 33/00
2022/0168538 A1 * 415/90
2022/0168538 A1 * 11/2013 Santini H04R 1/026
2022/0168538 A1 * 381/364
2022/0168538 A1 * 5/2021 Pestl G06F 3/147
2022/0168538 A1 * 6/2022 Liu A61L 9/04

* cited by examiner

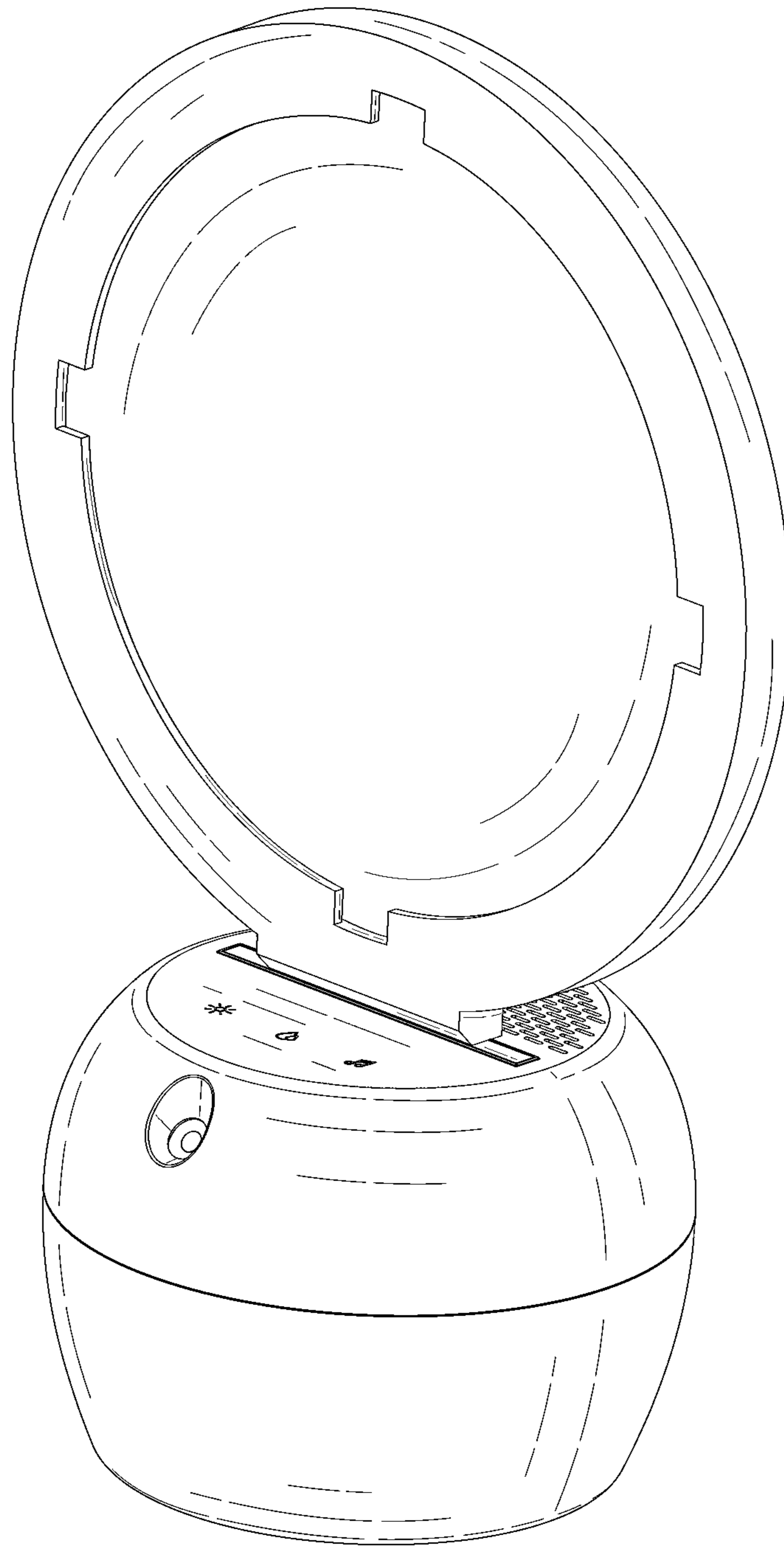


FIG. 1

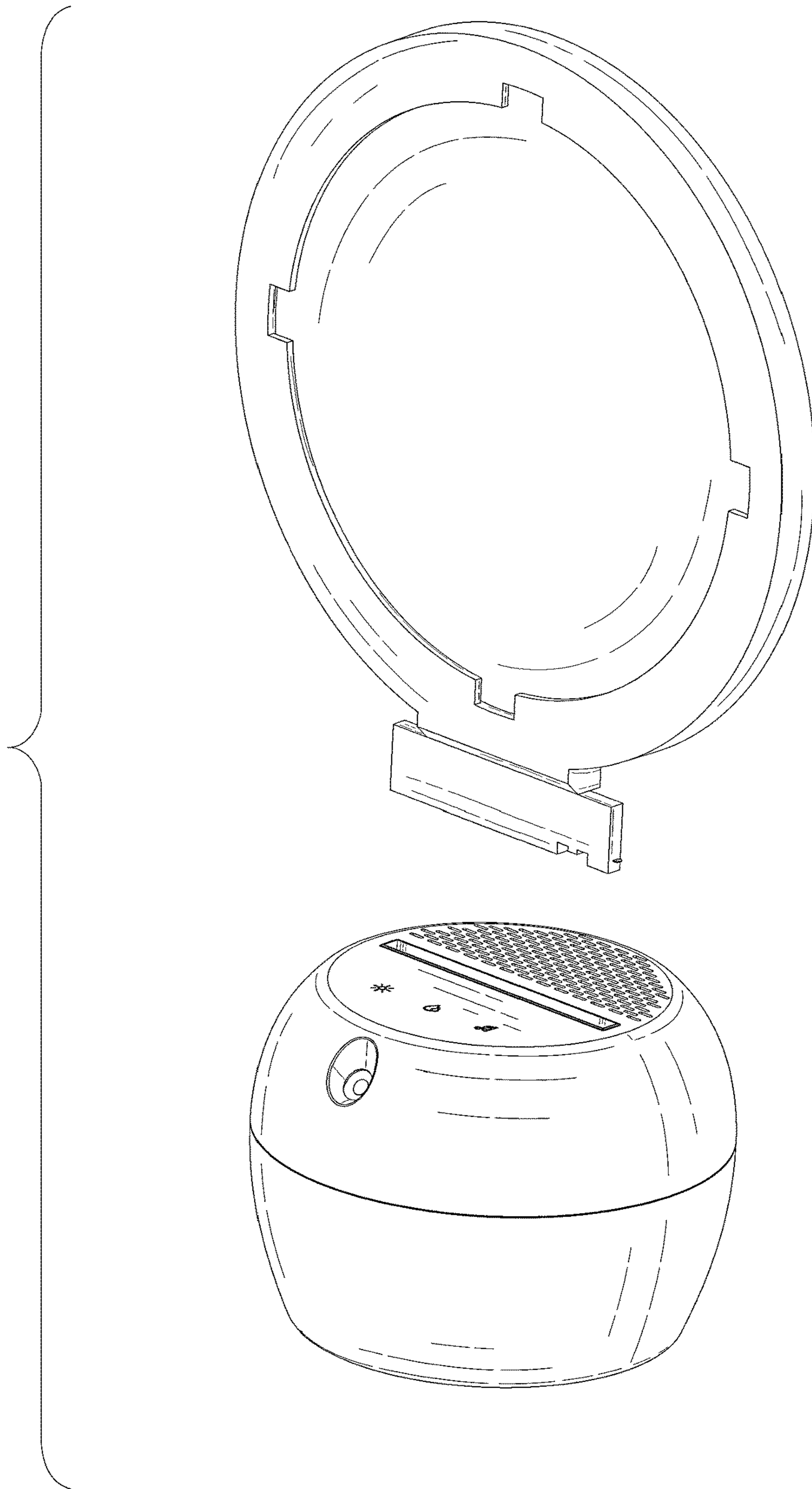


FIG. 2

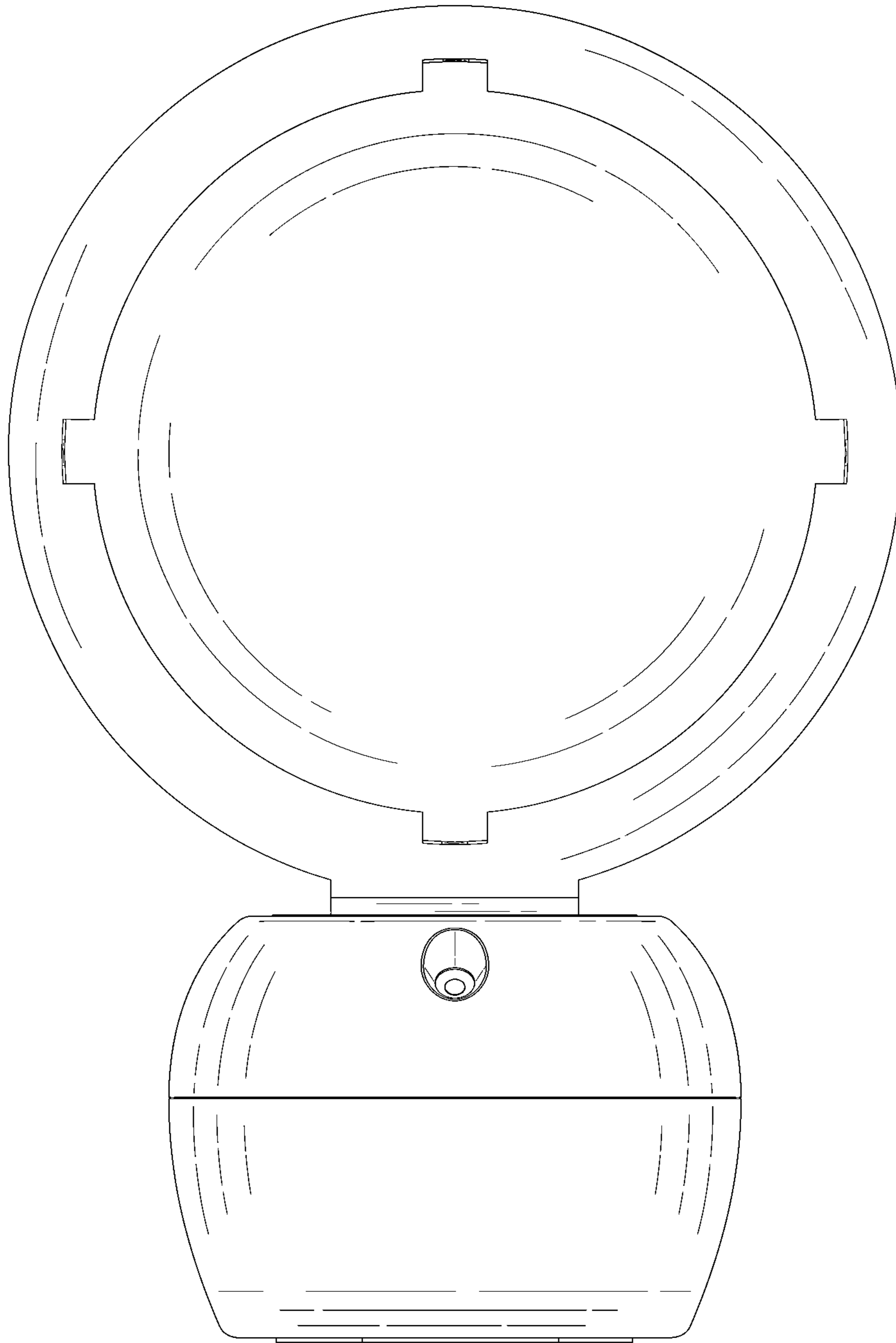


FIG. 3

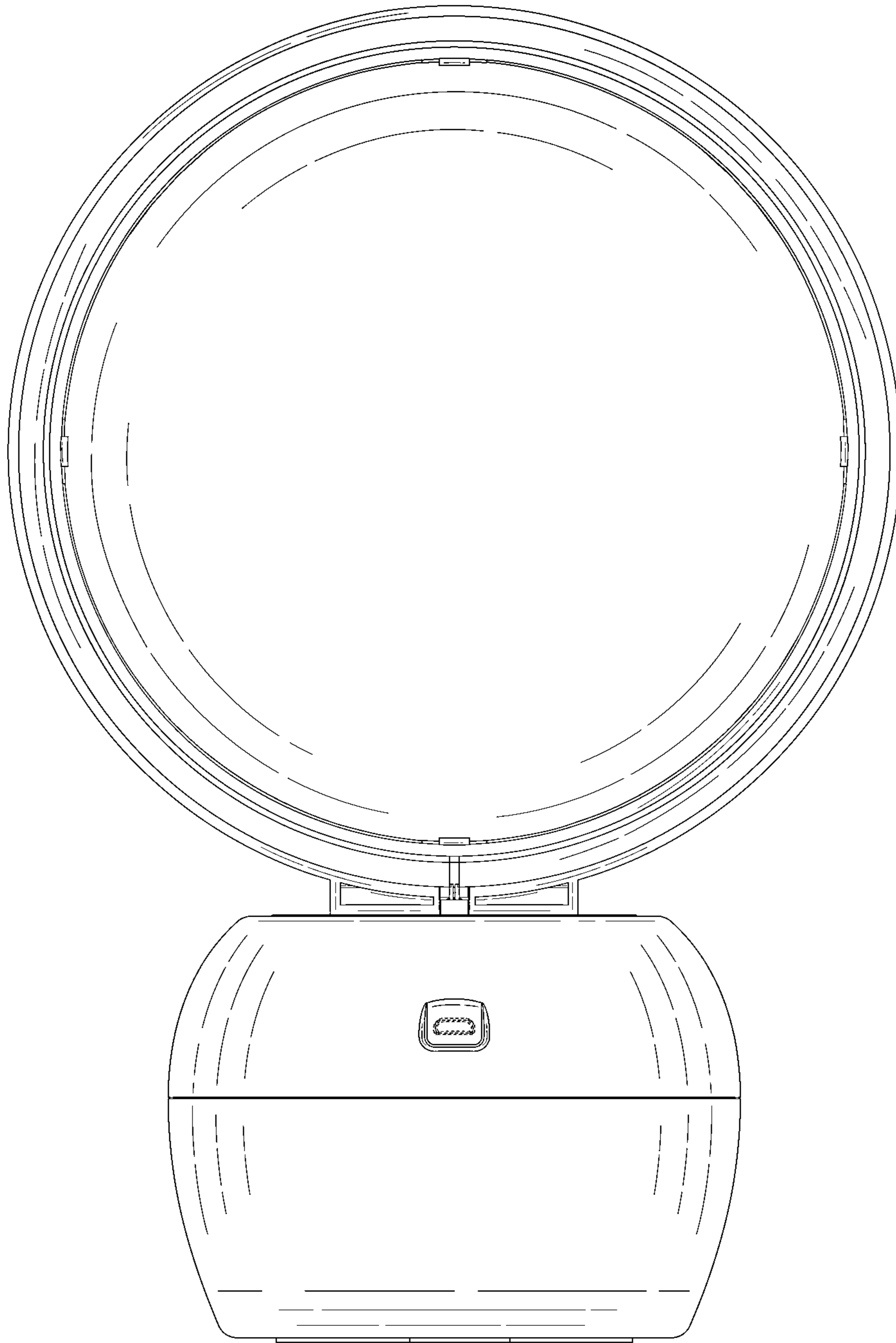


FIG. 4

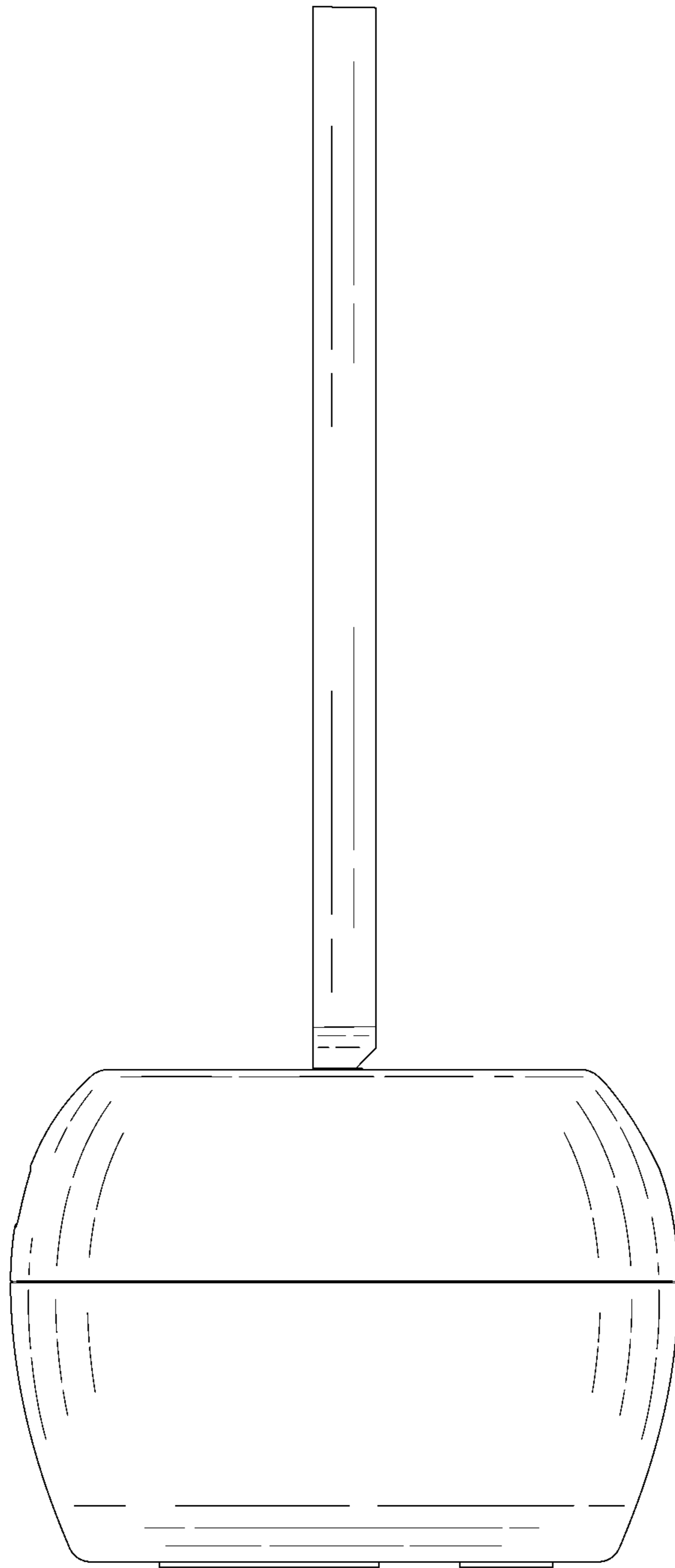


FIG. 5

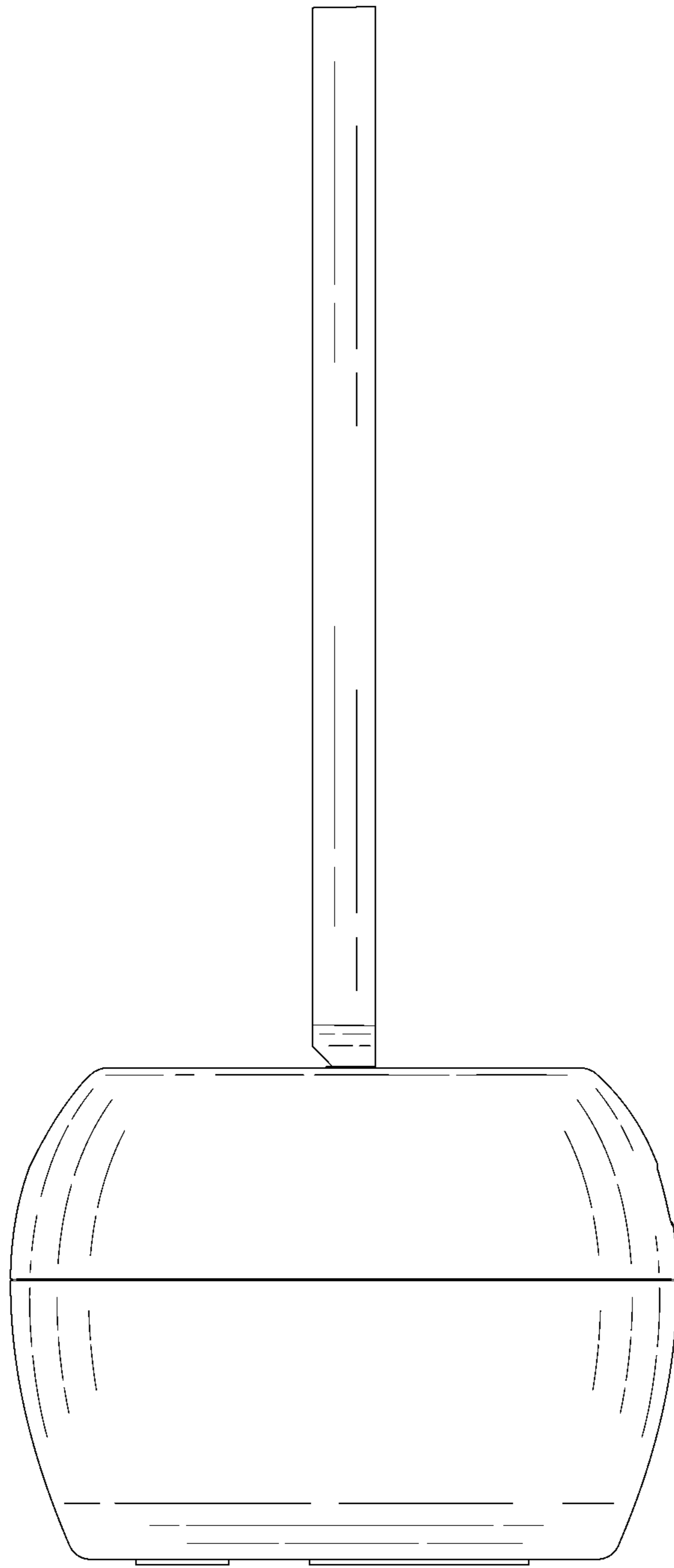


FIG. 6

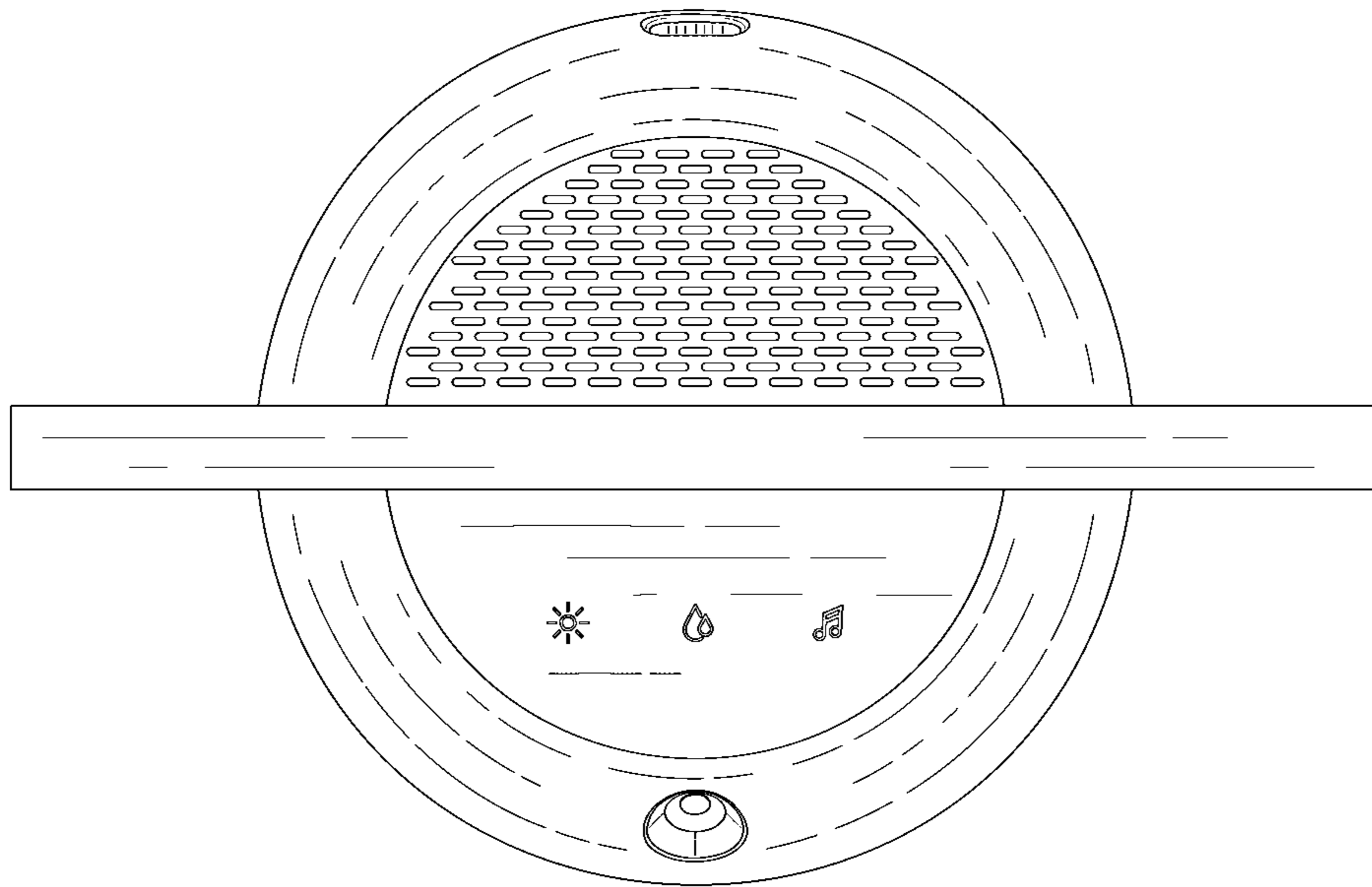


FIG. 7

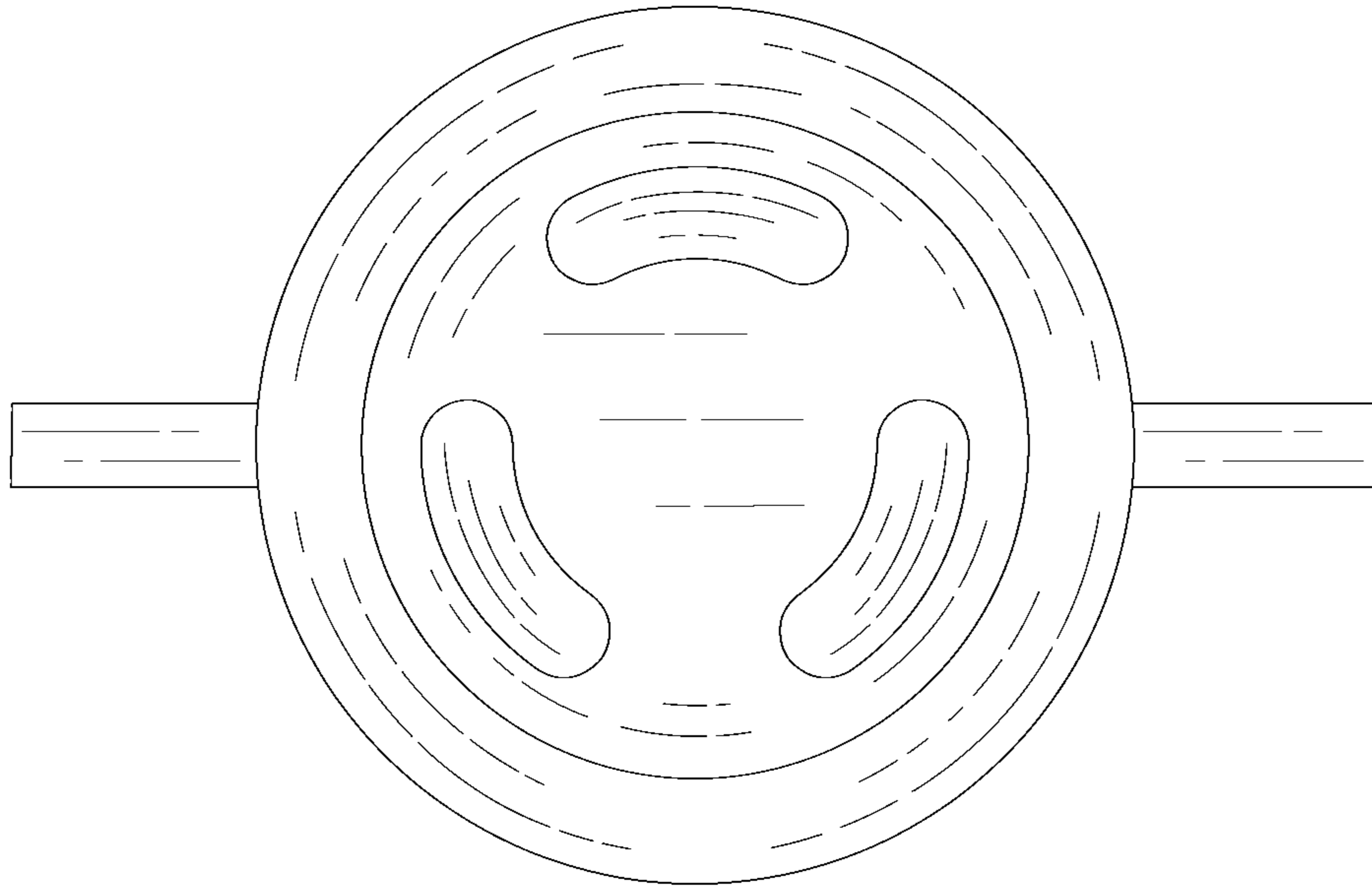


FIG. 8