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

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(54) **DELIVERY ROBOT**

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

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(51) **LOC (11) Cl.** **15-99**

(52) **U.S. Cl.**
USPC **D15/199**

(58) **Field of Classification Search**
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CPC B25J 5/007; B25J 11/008; G05D 1/0214;
Y10S 901/01

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D273,892 S * 5/1984 Fenne D24/158
- D293,324 S * 12/1987 Gotou D15/122
- D298,834 S * 12/1988 Jones D15/122
- D307,028 S * 4/1990 Booker D15/199
- D315,207 S * 3/1991 Korvenmaa D24/158
- 5,131,706 A * 7/1992 Appleberry B23Q 3/1554
294/119.1
- D452,517 S * 12/2001 Kawaguchi D15/199

- 6,786,896 B1 * 9/2004 Madhani A61B 19/2203
128/898
- D503,943 S * 4/2005 Kawaguchi D15/199
- D572,739 S * 7/2008 Jennings D15/199
- D627,376 S * 11/2010 Mizutani D15/143
- D645,488 S * 9/2011 Miyake D15/199
- D675,656 S * 2/2013 Sutherland D15/199
- D711,061 S * 8/2014 Chen D34/29
- D712,448 S * 9/2014 Kasahara D15/199
- D713,036 S * 9/2014 Sul D24/158
- D714,941 S * 10/2014 Kim D24/158
- D718,160 S * 11/2014 Shimano D10/65
- D724,738 S * 3/2015 Dorris D24/158
- D735,863 S * 8/2015 Doerre D24/158
- D767,139 S * 9/2016 Liu D24/158
- D767,765 S * 9/2016 Lin D24/158
- D778,276 S * 2/2017 Berini D14/307
- D800,199 S * 10/2017 Yang D15/199
- D802,040 S * 11/2017 Canoso D15/199
- D810,801 S * 2/2018 Hsu D15/199

(Continued)

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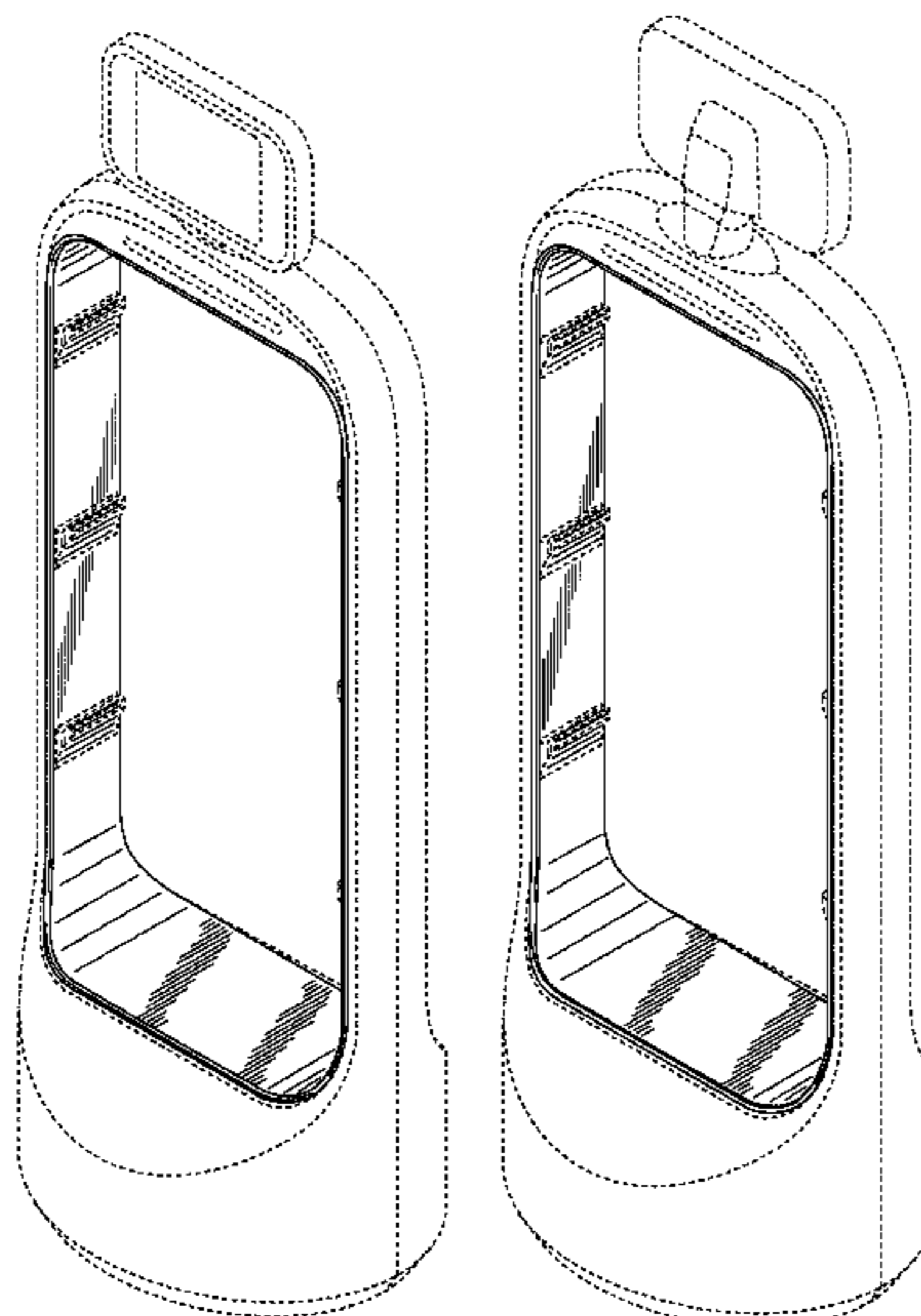
(57) **CLAIM**

The ornamental design for a delivery robot, as shown and described.

DESCRIPTION

FIG. 1 is a front side perspective view of a delivery robot showing our new design;
 FIG. 2 is a rear side perspective view thereof;
 FIG. 3 is a front view thereof;
 FIG. 4 is a rear view thereof;
 FIG. 5 is a right side elevation view thereof; and,
 FIG. 6 is left side elevation view thereof.
 The broken lines shown represent unclaimed subject matter of the delivery robot and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2011/0147103 A1* 6/2011 Alfayad B25J 17/0283
180/8.5
2012/0061155 A1* 3/2012 Berger B25J 5/007
180/21
2014/0097306 A1* 4/2014 Hale F16M 13/022
248/122.1
2014/0210224 A1* 7/2014 Hashimoto H01L 21/67742
294/213
2016/0059408 A1* 3/2016 Isobe B25J 5/007
700/253
2016/0107317 A1* 4/2016 Hashimoto B25J 9/042
414/744.2
2017/0225336 A1* 8/2017 Deyle G08B 13/196
2018/0042682 A1* 2/2018 Iceman A61B 34/20
2018/0043542 A1* 2/2018 Mascorro Medina
B25J 11/008

* cited by examiner

FIG. 1

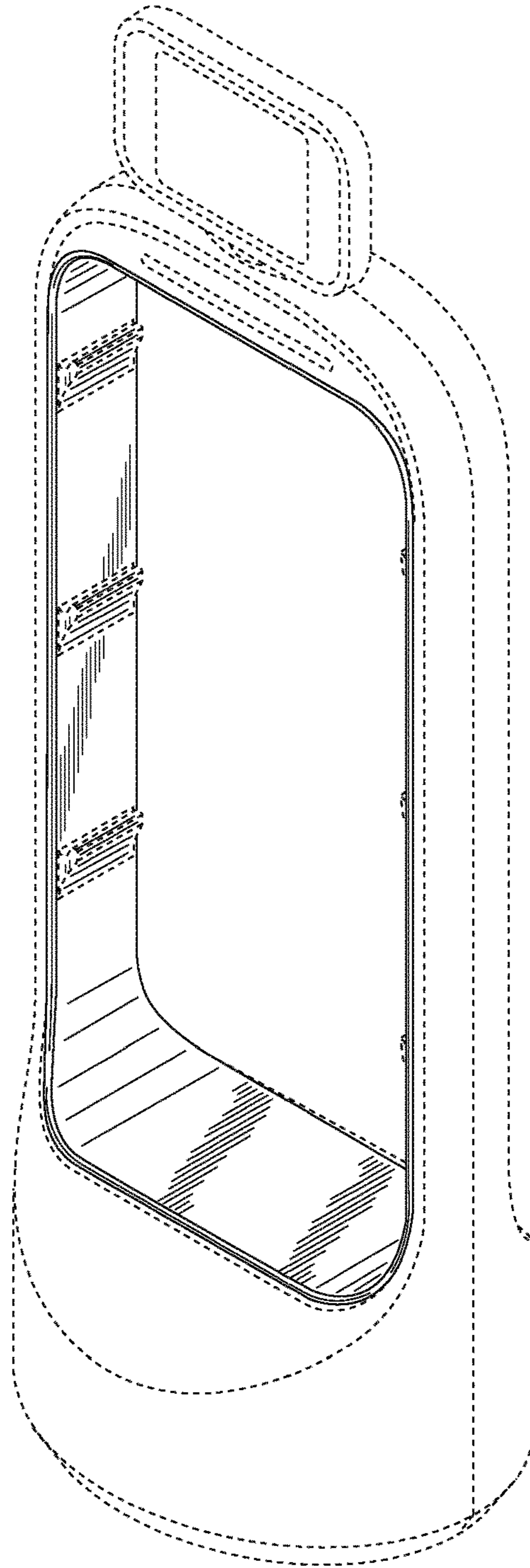


FIG. 2

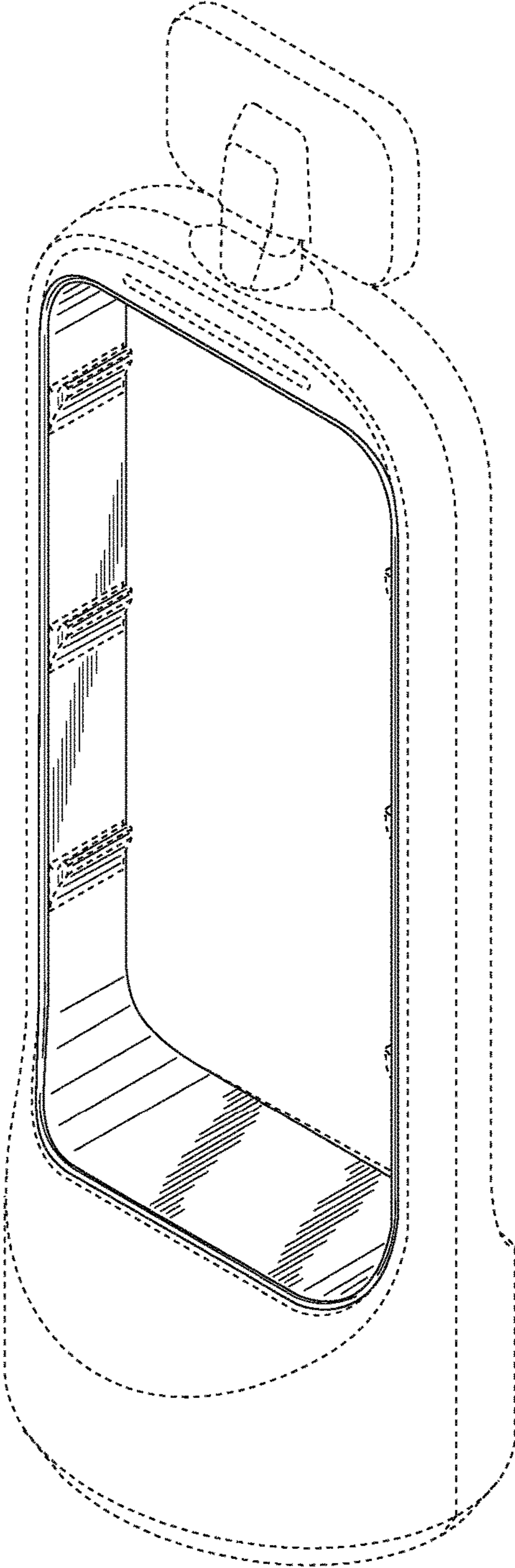


FIG. 3

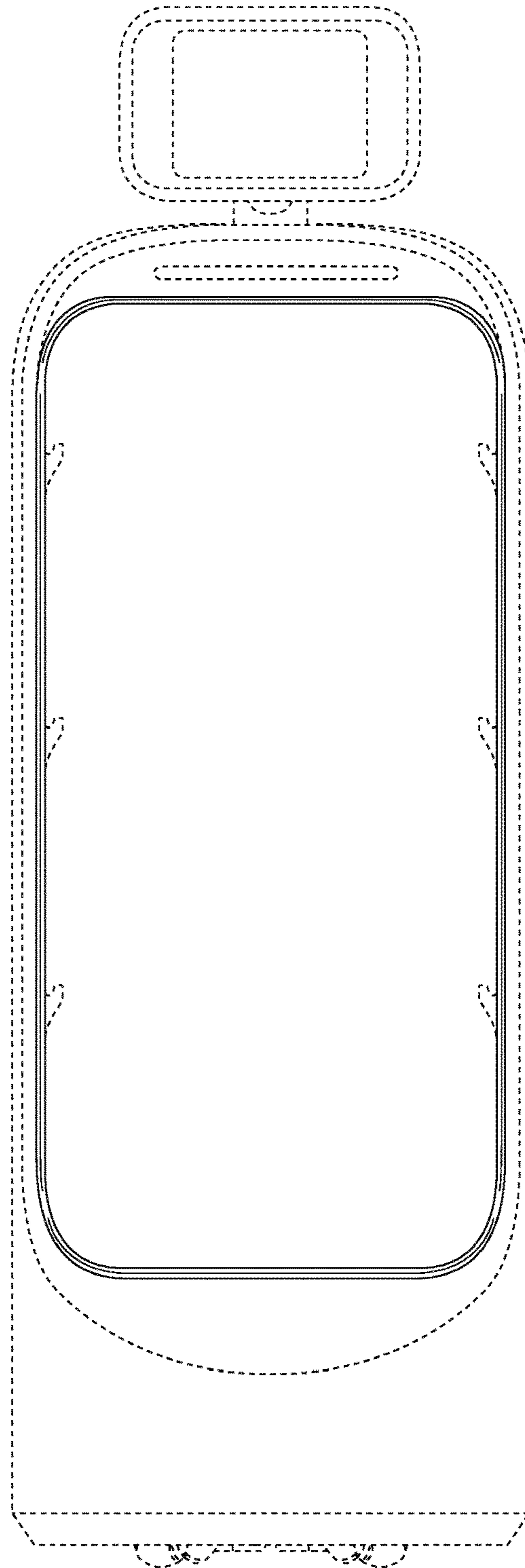
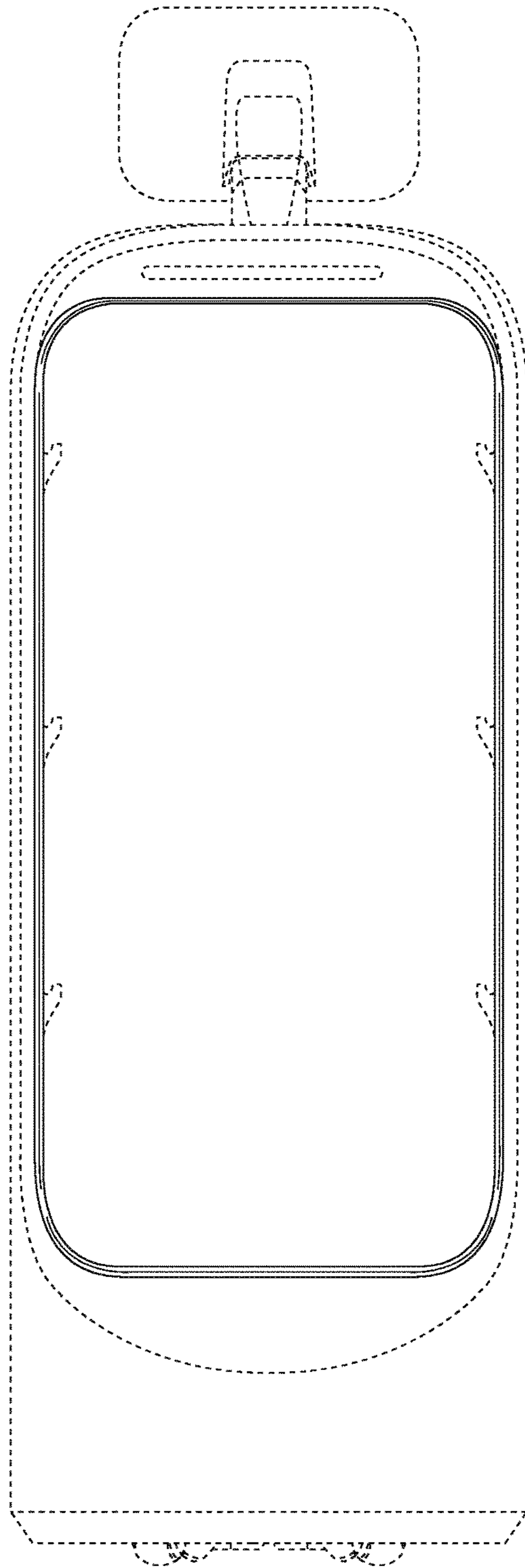


FIG. 4



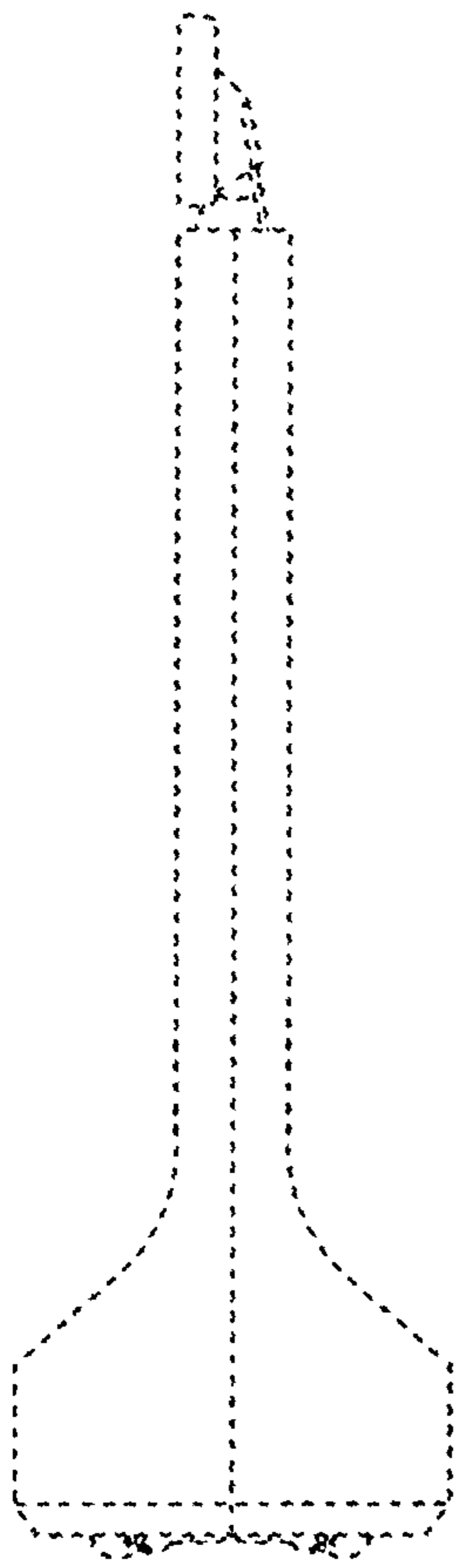


FIG. 5

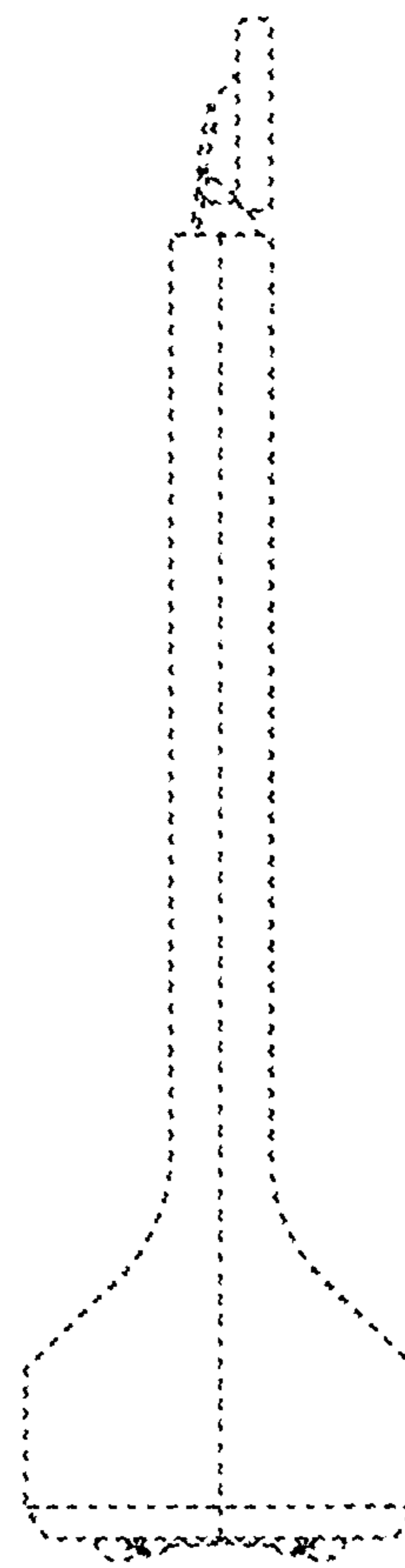


FIG. 6