

US00D796030S

(12) **United States Design Patent** (10) **Patent No.:** **US D796,030 S**  
**Plante** (45) **Date of Patent:** **\*\* \*Aug. 29, 2017**

(54) **LOCKING MECHANISM FOR A  
COLLECTION CUP WITH FAST OPENING  
AND CLOSING LID**

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(US)

(\*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/440,849**

(22) Filed: **Dec. 27, 2012**

(51) **LOC (10) Cl.** ..... **24-04**

(52) **U.S. Cl.**  
USPC ..... **D24/122**

(58) **Field of Classification Search**

USPC ..... D24/122, 121; D8/336, 338, 331;  
D3/302, 203.1; D9/741, 503, 435, 443  
CPC ..... E05C 19/02; E05C 19/066; B65F 1/1615;  
E05B 65/006; E05B 65/06; B01L  
2300/041; B01L 2300/043

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

|              |      |        |             |         |
|--------------|------|--------|-------------|---------|
| 934,792      | A *  | 9/1909 | Card        | 220/326 |
| D56,303      | S *  | 9/1920 | O'Reilly    | D8/331  |
| D207,869     | S *  | 6/1967 | Damast      | D8/338  |
| 5,050,762    | A *  | 9/1991 | Giorgi      | 220/281 |
| D324,637     | S *  | 3/1992 | Nicholoulas | D8/331  |
| D427,885     | S *  | 7/2000 | Ayrest      | D8/336  |
| D442,465     | S *  | 5/2001 | Johns       | D8/336  |
| D639,636     | S *  | 6/2011 | Krakoff     | D8/338  |
| D662,392     | S *  | 6/2012 | Main        | D8/331  |
| 2007/0209411 | A1 * | 9/2007 | Lim et al.  | 70/263  |
| 2008/0179894 | A1 * | 7/2008 | Chuang      | 292/109 |

(Continued)

**OTHER PUBLICATIONS**

Sample Collection and Testing Containers, Craig Medical [online],  
[retrieved on Feb. 19, 2015]. Retrieved from the Internet <URL:  
[http://www.craigmedical.com/urine\\_sample\\_cup.htm](http://www.craigmedical.com/urine_sample_cup.htm)>.\*

(Continued)

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(57) **CLAIM**

The ornamental design for a locking mechanism for a collection cup with fast opening and closing lid, as shown and described.

**DESCRIPTION**

FIG. 1 is a right side view of a locking mechanism for a collection cup with fast opening and closing lid, in the closed and locked position, showing my new design;

FIG. 2 is a left side view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

FIG. 7 is a perspective view of a locking mechanism for a collection cup with fast opening and closing lid, in the closed and unlocked position;

FIG. 8 is a right side view of a locking mechanism for a collection cup with fast opening and closing lid, in the open and unlocked position;

FIG. 9 is a top view thereof;

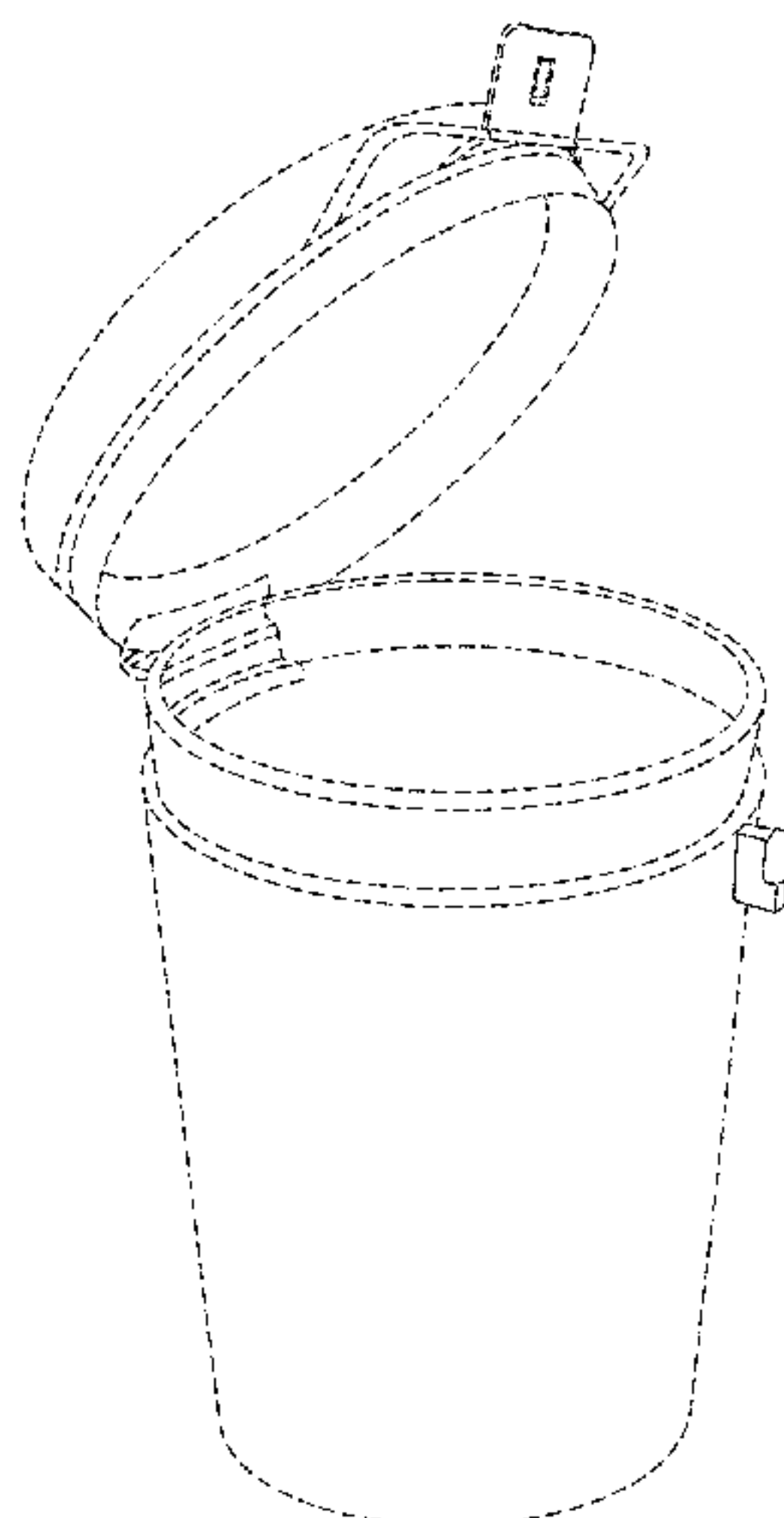
FIG. 10 is a front view thereof;

FIG. 11 is a detail perspective view thereof; and,

FIG. 12 is a perspective view thereof.

The broken lines showing the collection cup and lid are included for the purpose of illustrating environmental structure and form no part of the claimed design.

**1 Claim, 12 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

|              |      |         |                       |            |
|--------------|------|---------|-----------------------|------------|
| 2009/0190306 | A1 * | 7/2009  | Tang .....            | 361/679.58 |
| 2009/0209044 | A1 * | 8/2009  | Gallagher et al. .... | 436/174    |
| 2010/0239898 | A1 * | 9/2010  | Zhou .....            | 429/100    |
| 2010/0294007 | A1 * | 11/2010 | Cyphers et al. ....   | 70/141     |

OTHER PUBLICATIONS

Urine Specimen Collection Cups, Trittech Forensics [online],  
 [retrieved on Feb. 19, 2015]. Retrieved from the Internet <URL:  
<http://tritechforensics.com/store/product/urine-specimen-collection-cups-240-ml/>>.\*

\* cited by examiner

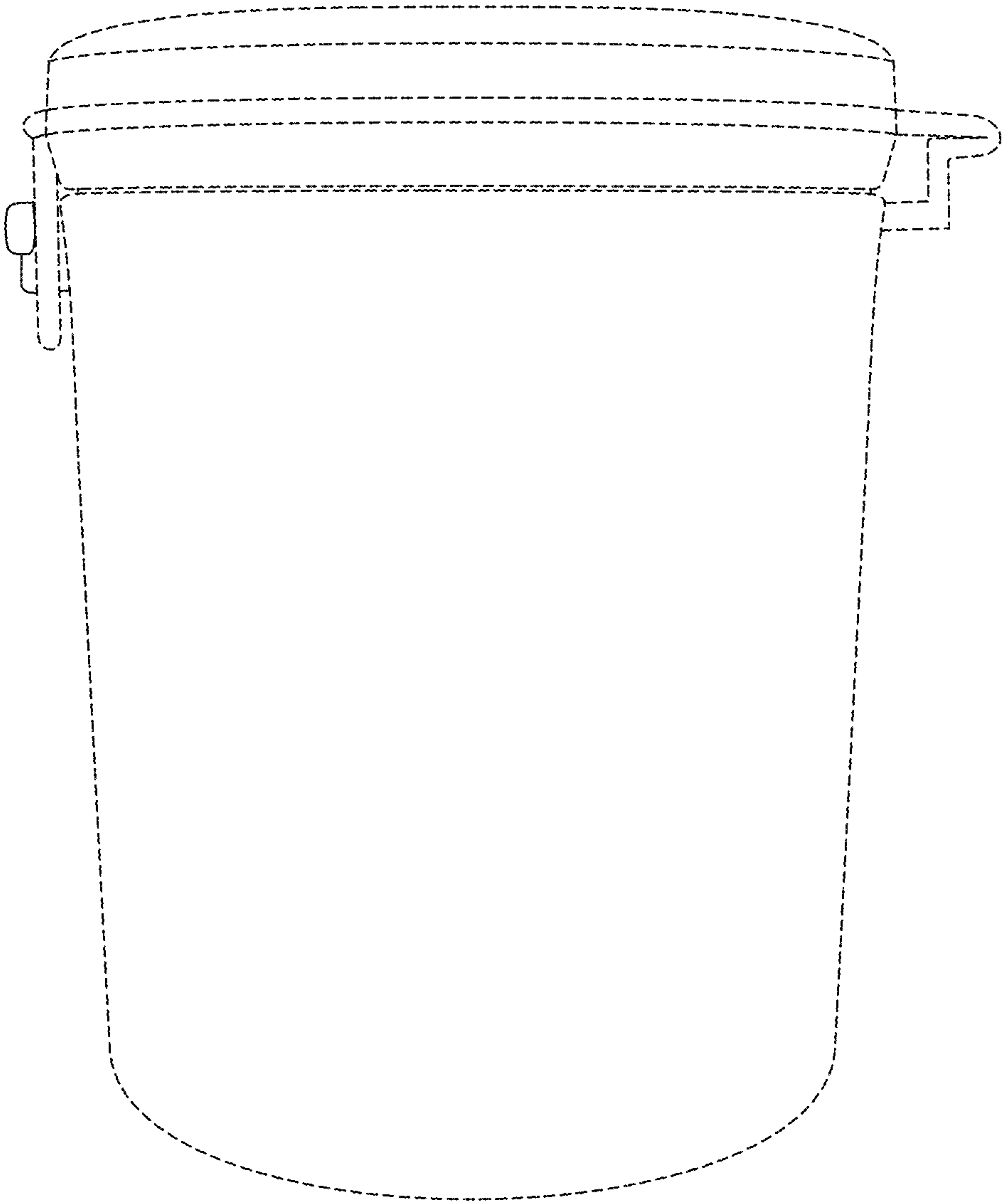


FIG. 1

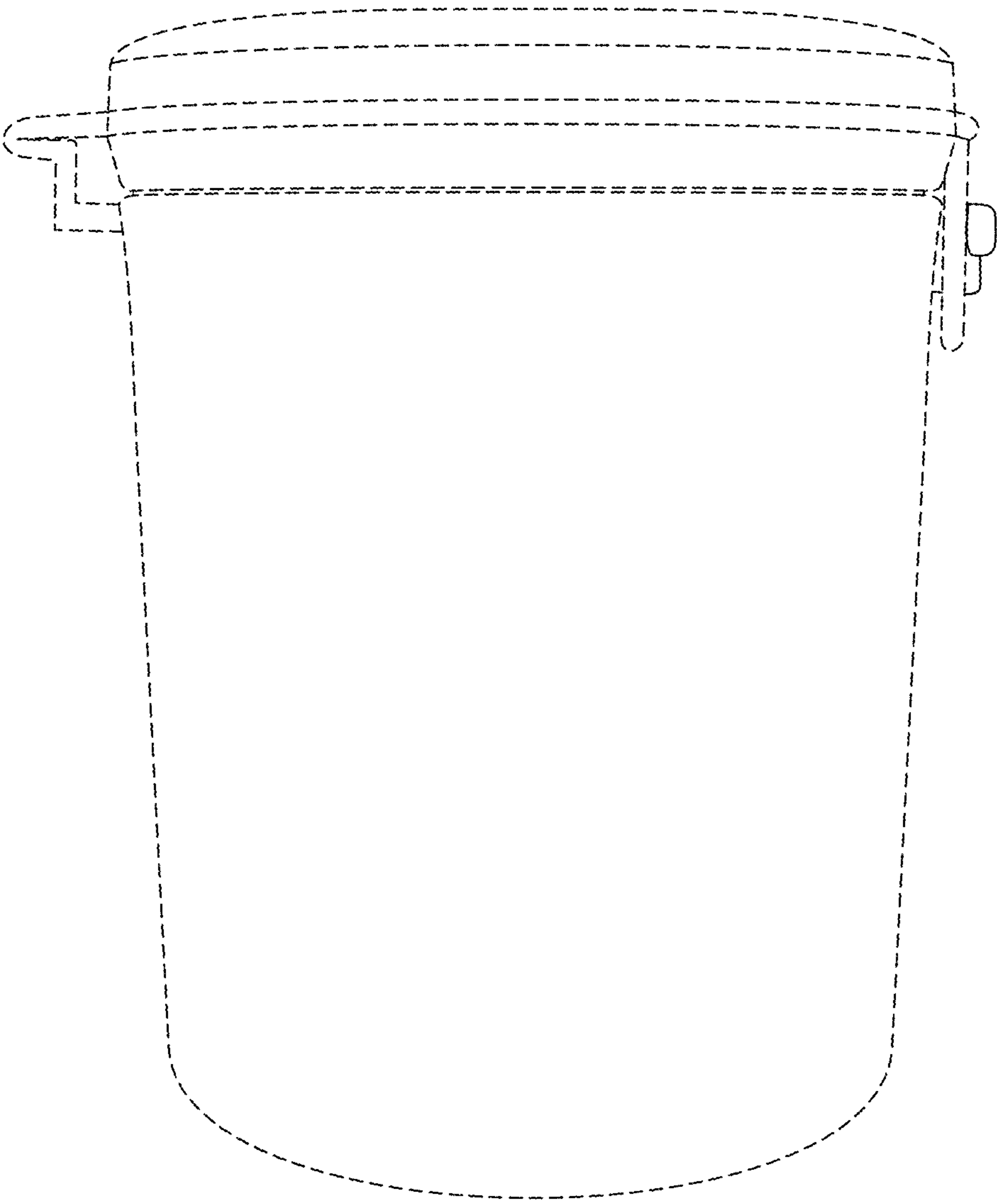


FIG. 2

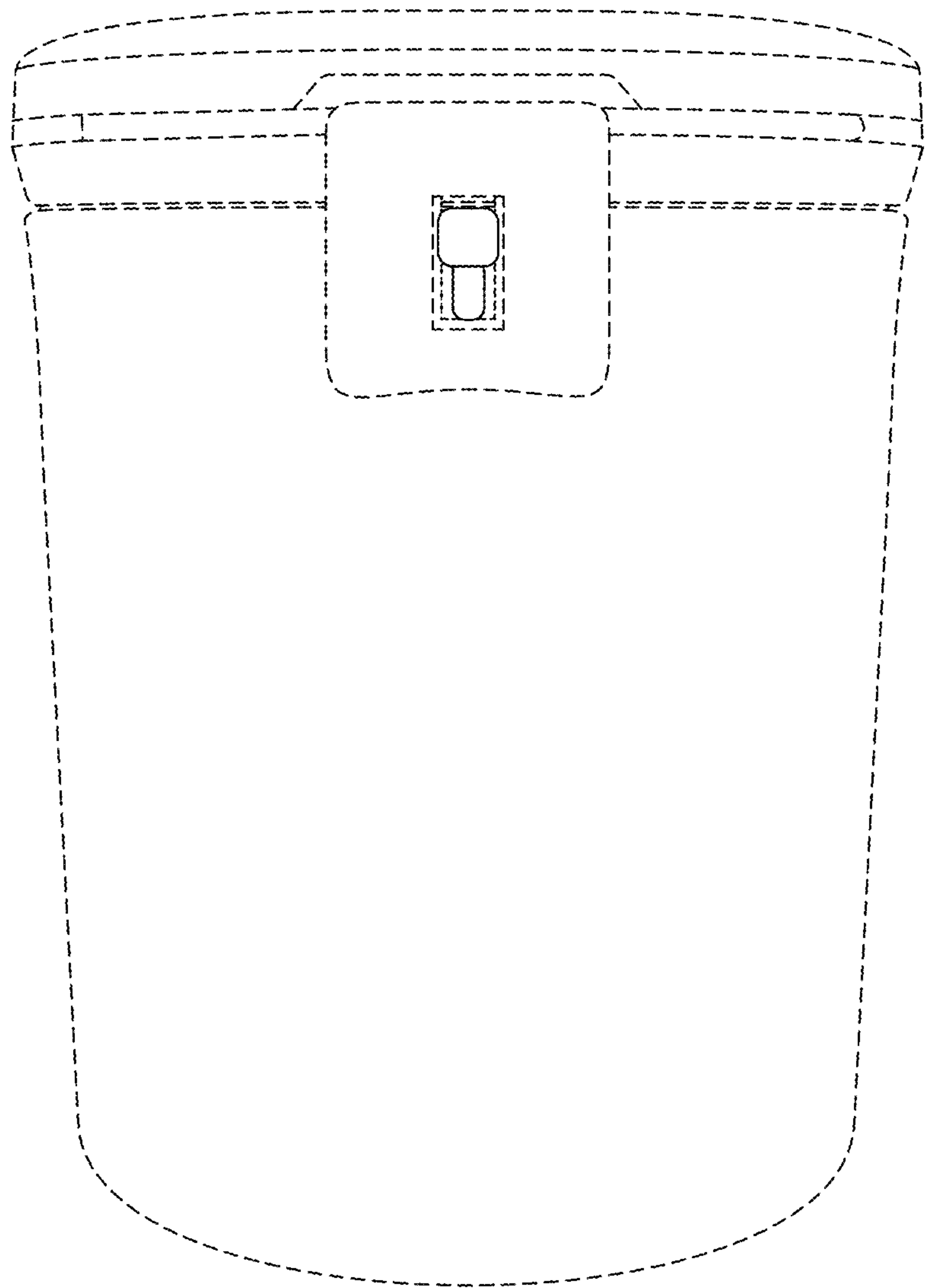


FIG. 3

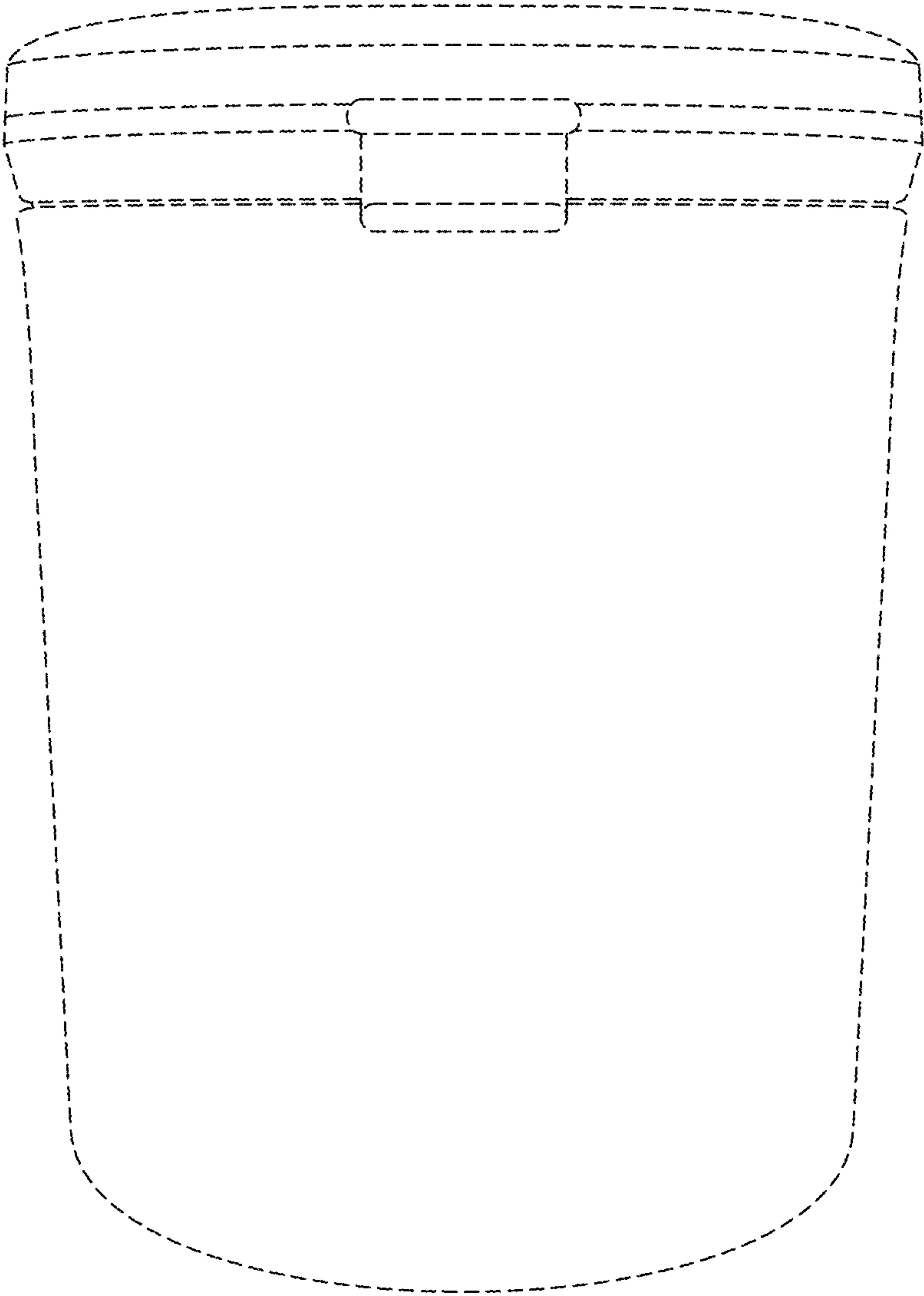


FIG. 4

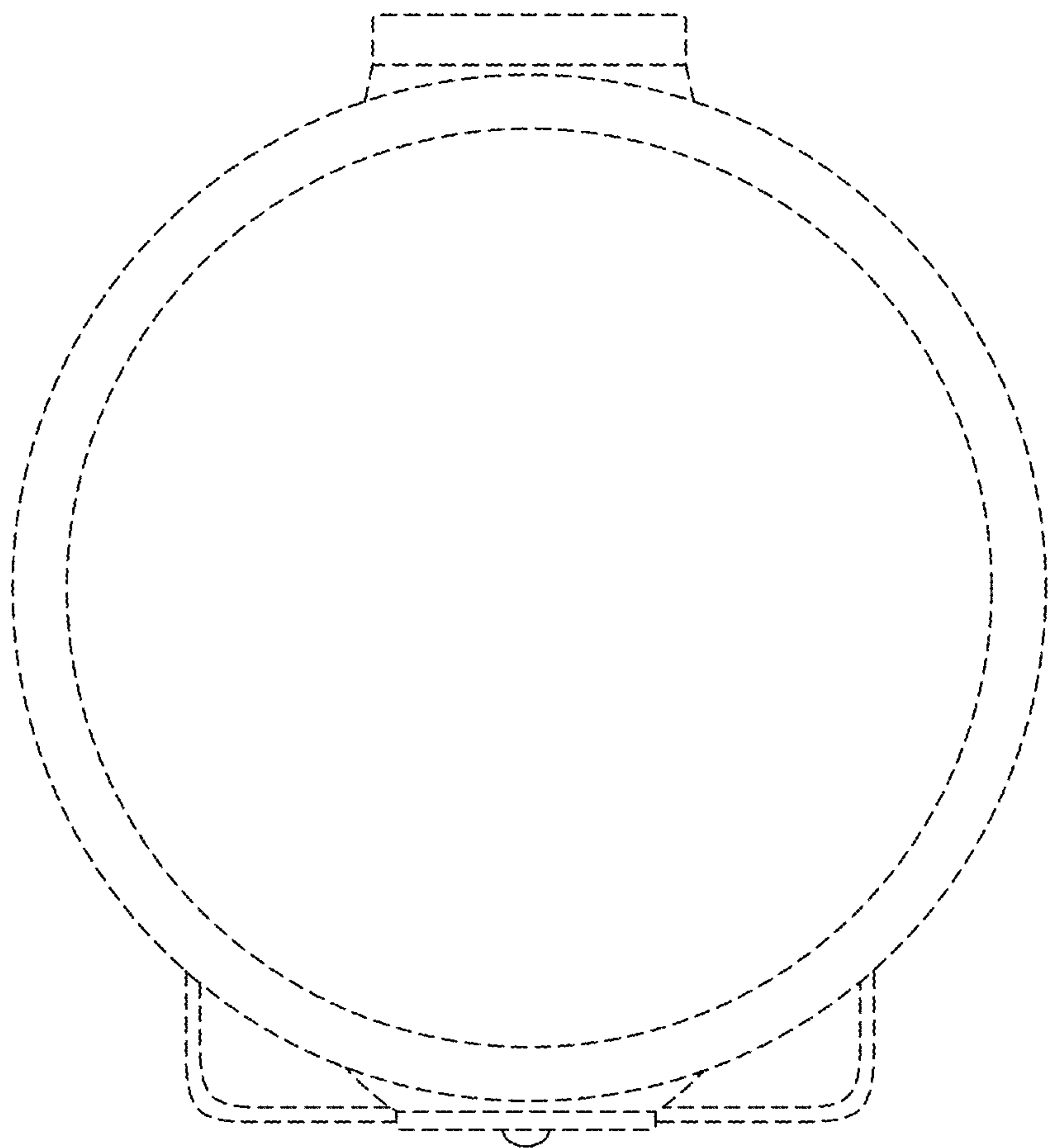


FIG. 5

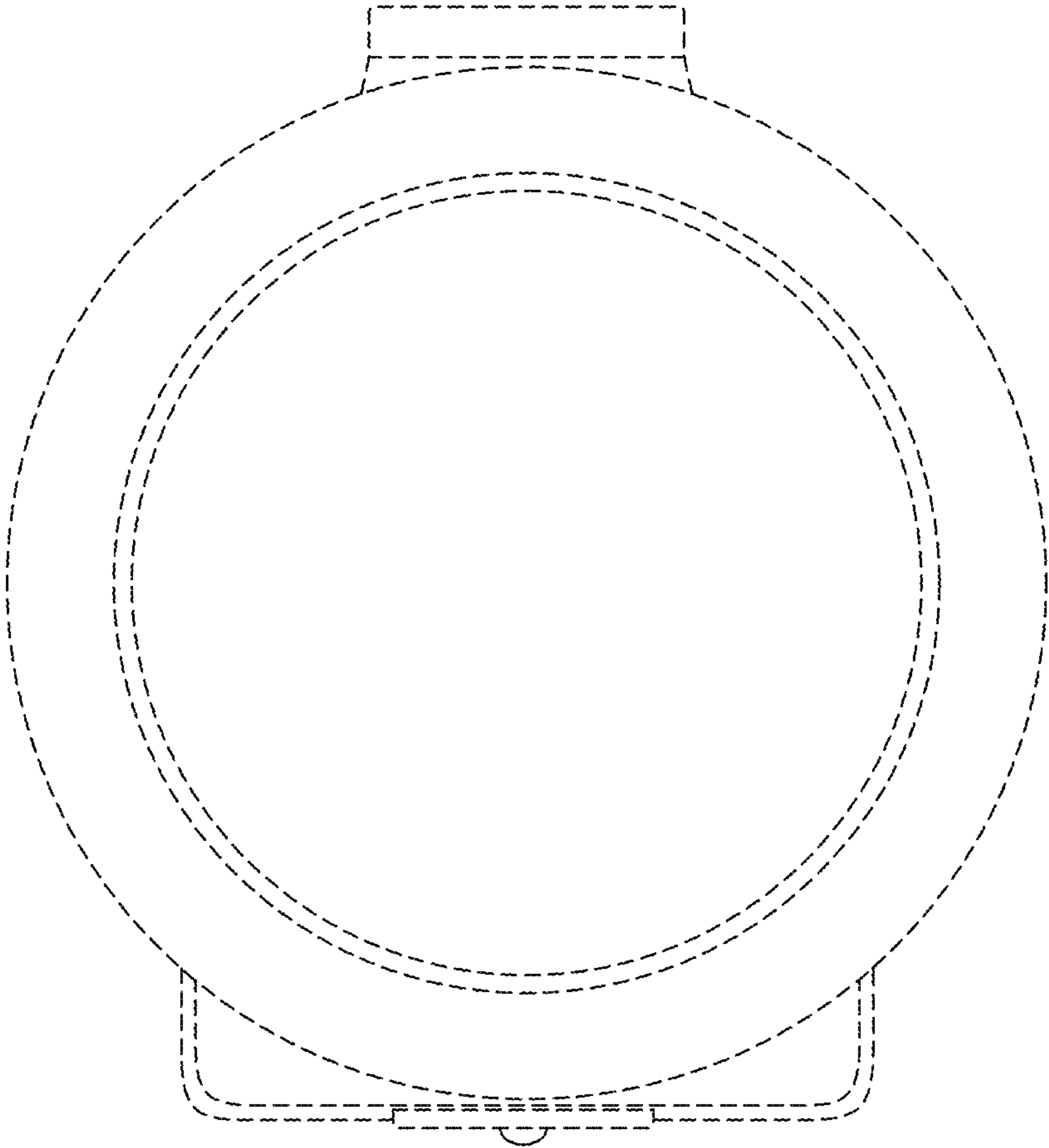


FIG. 6

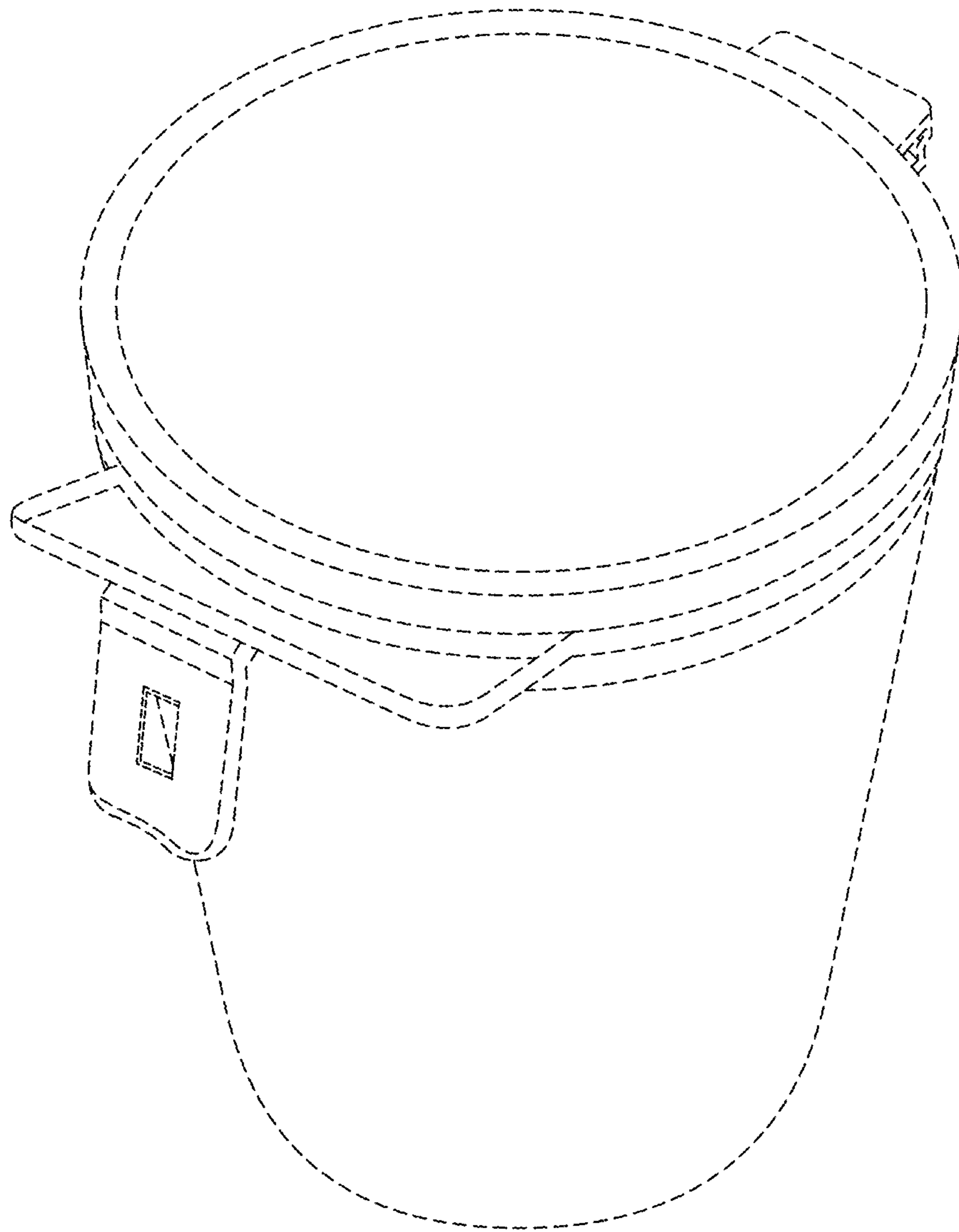


FIG. 7

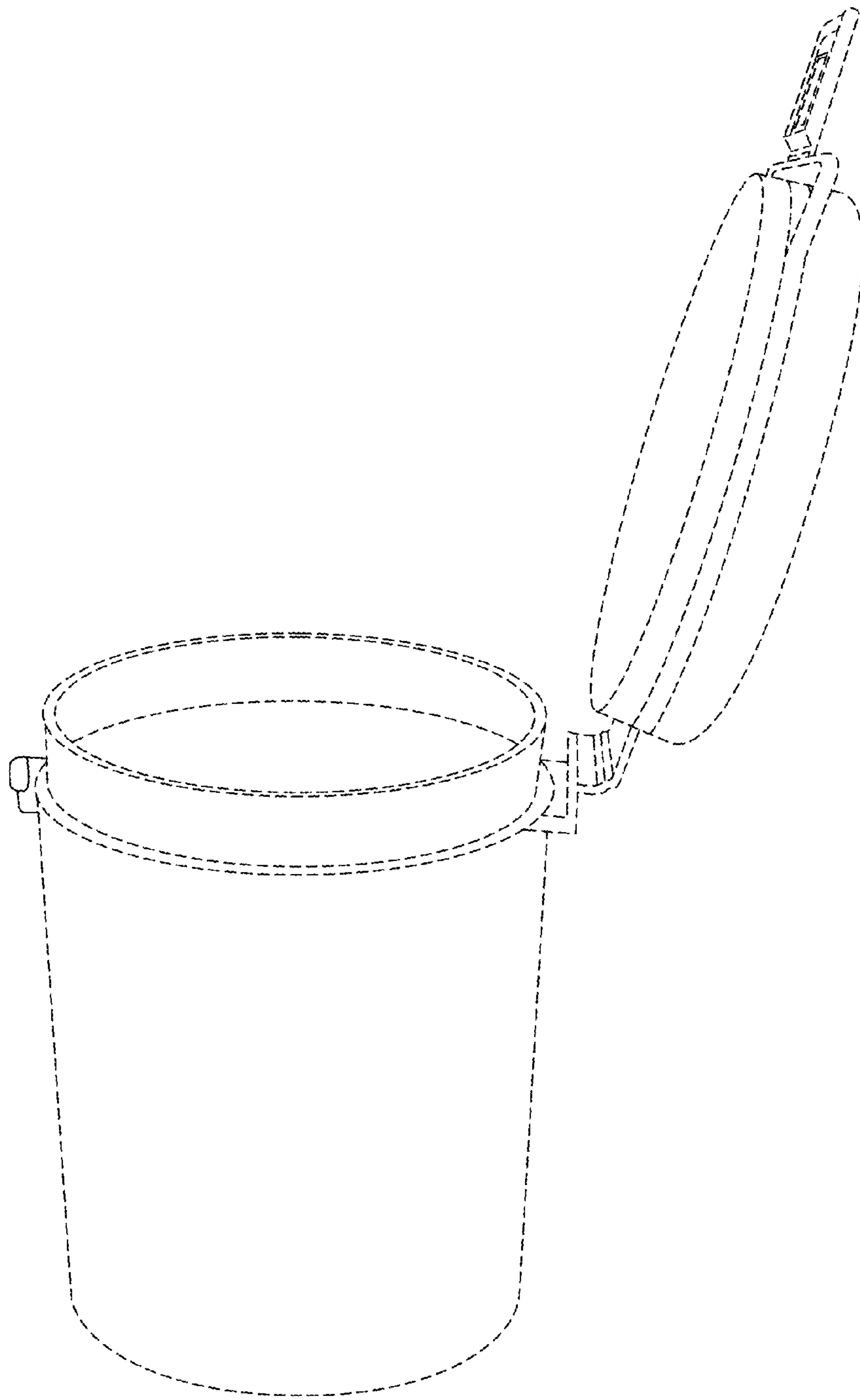


FIG. 8

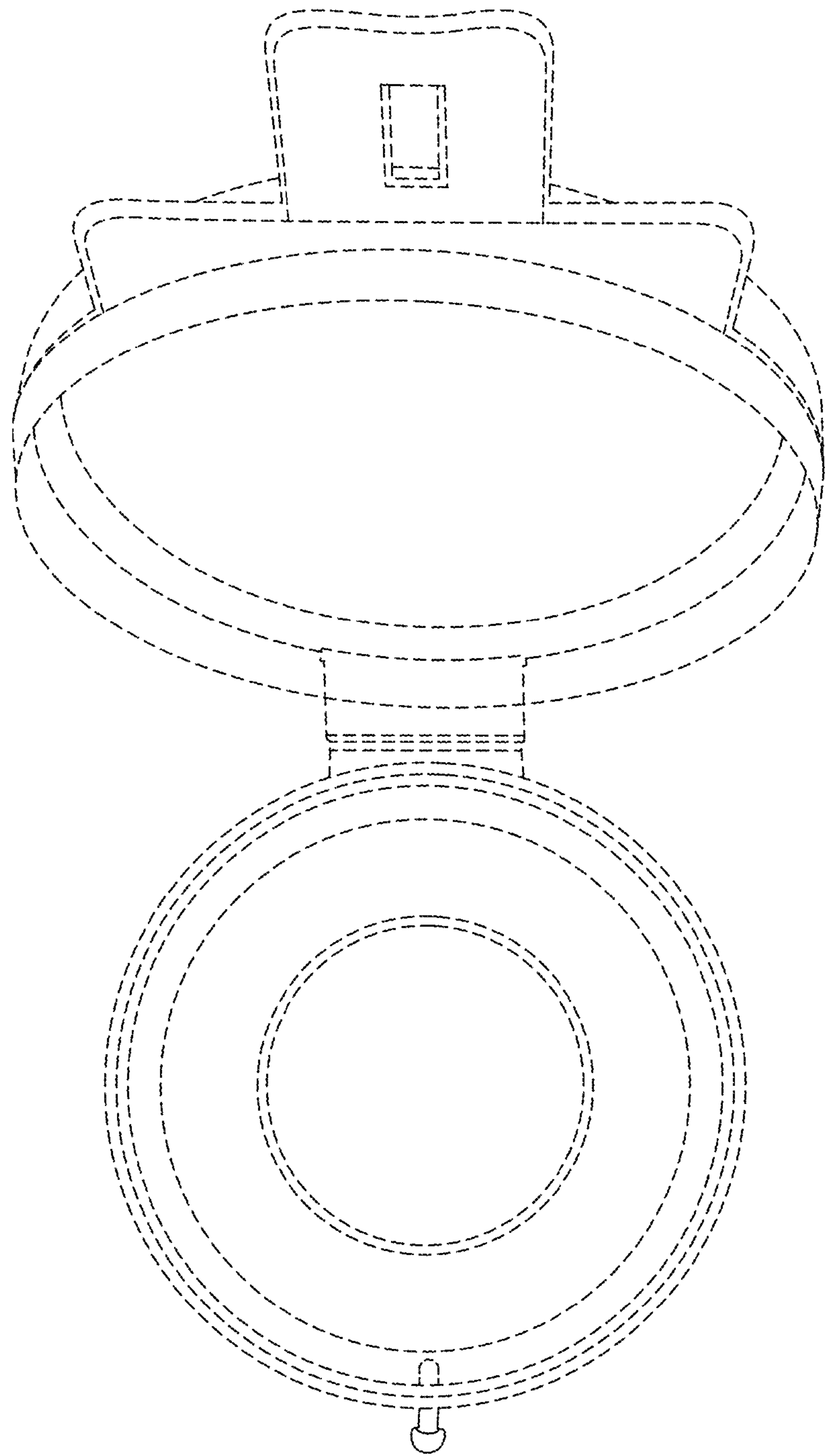


FIG. 9

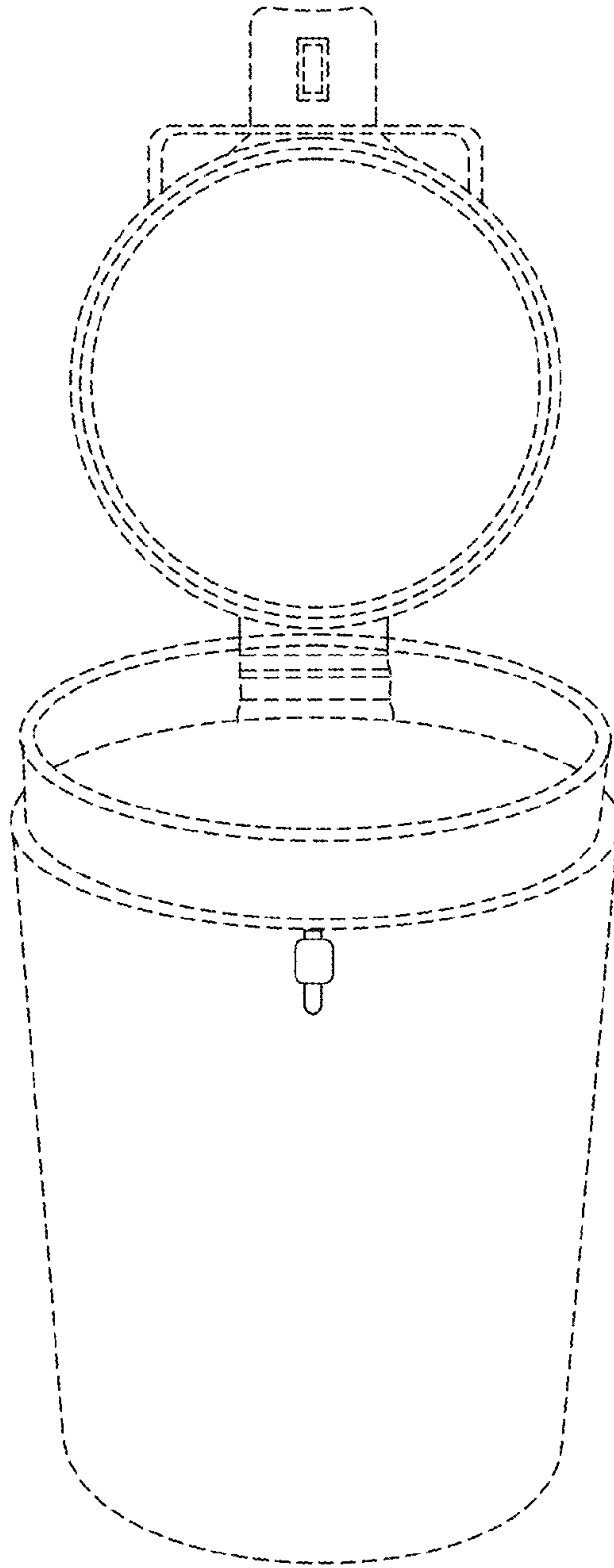


FIG. 10

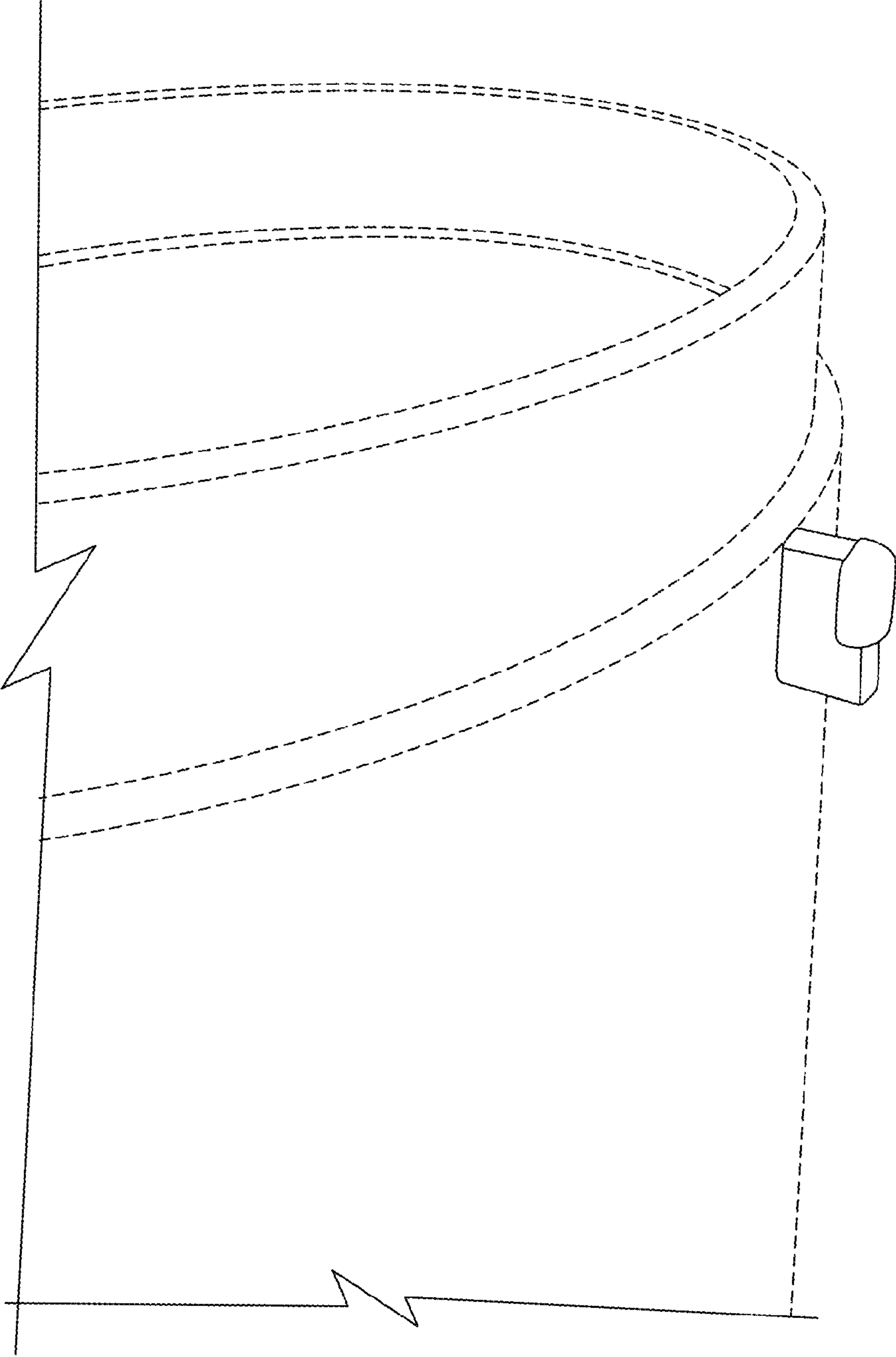


FIG. 11

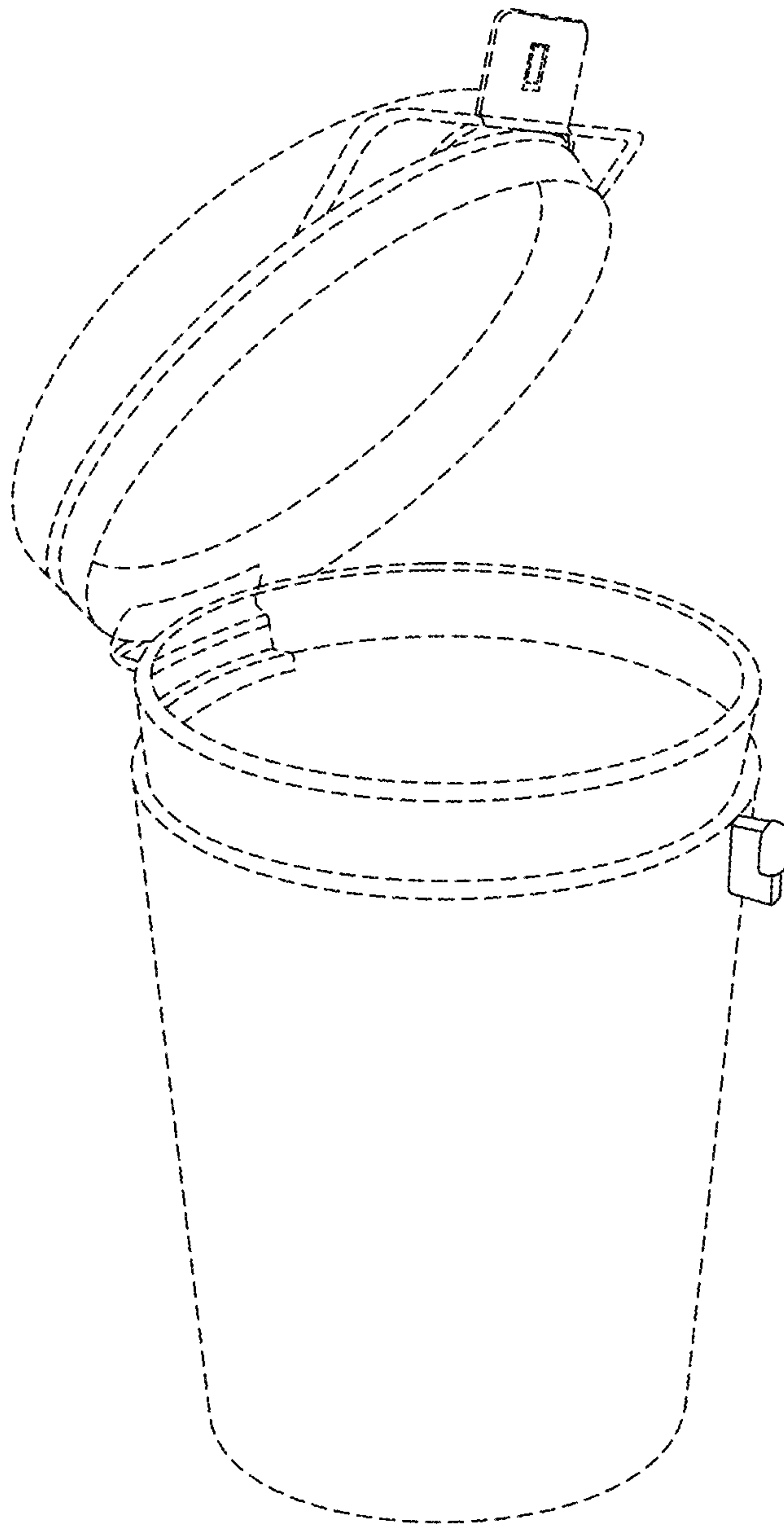


FIG. 12