



US00D567084S

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

(10) **Patent No.:** **US D567,084 S**
(45) **Date of Patent:** **** Apr. 22, 2008**

(54) **BOTTLE PLUG**

(75) Inventors: **Richard A. Batton**, Milwaukee, WI (US); **Paul Larson**, Racine, WI (US); **Jonathan A. Boticki**, Racine, WI (US)

(73) Assignee: **JohnsonDiversey, Inc.**, Sturtevant, WI (US)

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

(21) Appl. No.: **29/250,965**

(22) Filed: **Dec. 7, 2006**

(51) **LOC (8) Cl.** **09-07**

(52) **U.S. Cl.** **D9/454; D9/440**

(58) **Field of Classification Search** D9/780,
D9/763, 539, 516, 454, 453, 449, 447, 440,
D9/439, 438, 436, 435, 455; D34/39; 222/570,
222/569, 547, 464.1, 185.1; 220/257.1, 709;
215/341; 137/845, 844; D7/392; D18/43;
141/383

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|-----------|------|---------|---------------------|-----------|
| 4,603,714 | A * | 8/1986 | Marotta | 141/383 |
| 4,854,486 | A | 8/1989 | Daley et al. | 222/484 |
| 4,948,014 | A | 8/1990 | Rutter et al. | 222/83 |
| 5,165,578 | A | 11/1992 | Laible | 222/189 |
| 5,544,810 | A | 8/1996 | Horvath, Jr. et al. | 239/10 |
| 5,586,673 | A | 12/1996 | Venooker et al. | 215/310 |
| D402,558 | S * | 12/1998 | Klima et al. | D9/434 |
| D402,766 | S * | 12/1998 | Smith et al. | D9/455 |
| 5,862,948 | A | 1/1999 | Duchon et al. | 222/133 |
| 5,887,766 | A | 3/1999 | Yang | 222/466 |
| 5,988,456 | A | 11/1999 | Laible | 222/464.1 |
| 6,045,012 | A | 4/2000 | Hansen | 222/464.1 |
| 6,050,459 | A | 4/2000 | Johnson et al. | 222/382 |
| 6,142,345 | A | 11/2000 | Laible | 222/189.1 |
| 6,202,717 | B1 | 3/2001 | Markey et al. | 141/383 |
| 6,427,864 | B1 * | 8/2002 | Asselin | 220/709 |
| 6,543,654 | B1 | 4/2003 | Uhl et al. | 222/464.1 |
| D480,640 | S * | 10/2003 | Oyama et al. | D9/439 |
| D482,059 | S * | 11/2003 | Harris et al. | D18/43 |

| | | | | |
|-----------|-----|---------|----------------|-----------|
| 6,669,062 | B1 | 12/2003 | Laible | 222/464.1 |
| 6,733,917 | B1 | 5/2004 | Janmey | 429/56 |
| D501,138 | S * | 1/2005 | Uchiyama | D9/439 |
| 6,945,433 | B2 | 9/2005 | Laible | 222/185.1 |
| 6,968,983 | B2 | 11/2005 | Laible | 222/464.1 |
| D528,417 | S * | 9/2006 | Matsuda et al. | D9/439 |

FOREIGN PATENT DOCUMENTS

WO WO 01/27020 A1 4/2001

* cited by examiner

Primary Examiner—Gary D. Watson

Assistant Examiner—Susan Bennett Hattan

(74) *Attorney, Agent, or Firm*—Gregory S. Bollis

(57) **CLAIM**

We claim the ornamental design for a bottle plug, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a bottle plug.

FIG. 2 is a side view of the bottle plug shown in FIG. 1.

FIG. 3 is another side view of the bottle plug shown in FIG. 1.

FIG. 4 is a top view of the bottle plug shown in FIG. 1.

FIG. 5 is a perspective view of a bottle plug embodying aspects of the invention.

FIG. 6 is a side view of the bottle plug shown in FIG. 5.

FIG. 7 is another side view of the bottle plug shown in FIG. 5.

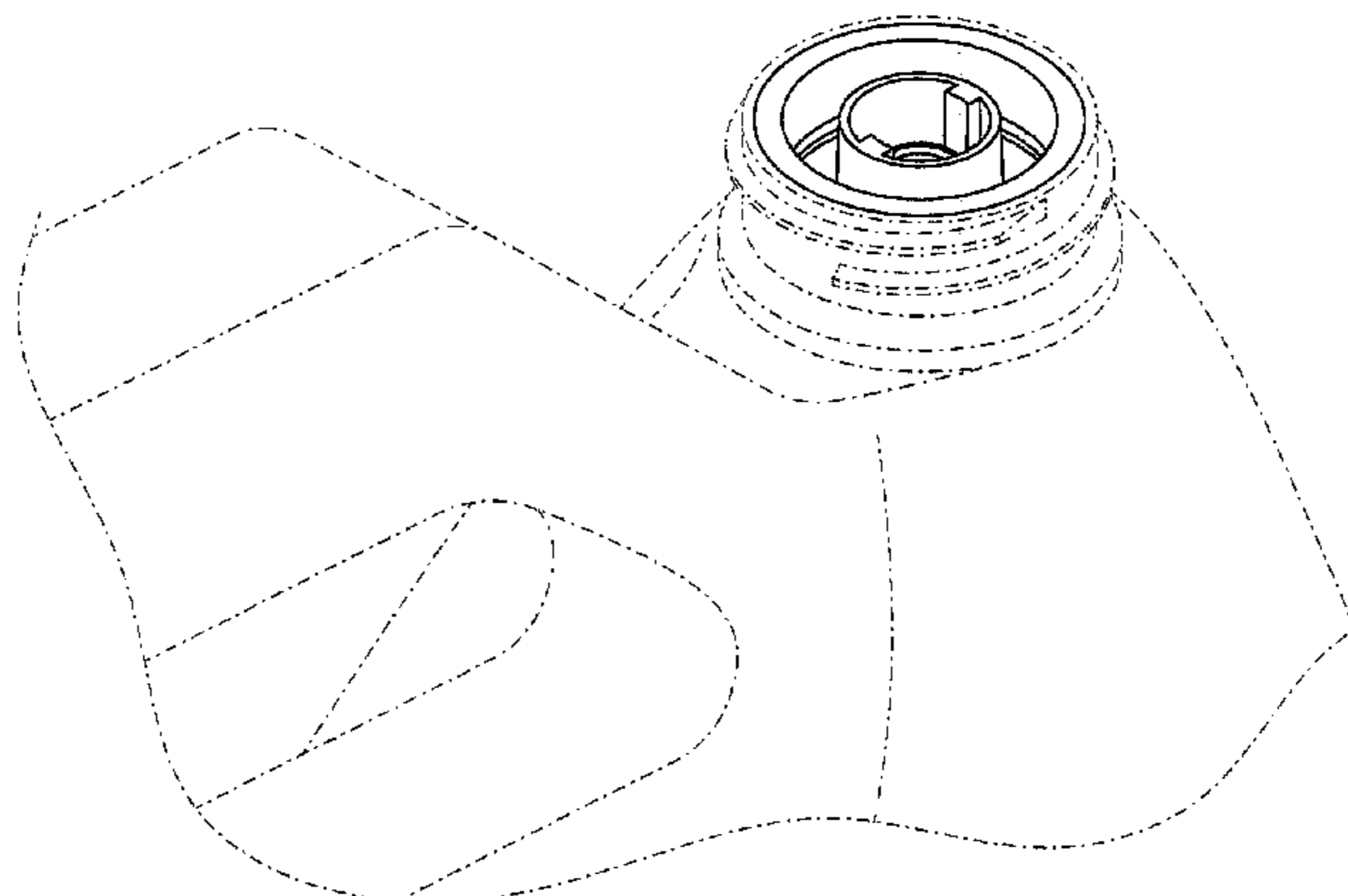
FIG. 8 is a top view of the bottle plug shown in FIG. 5; and,

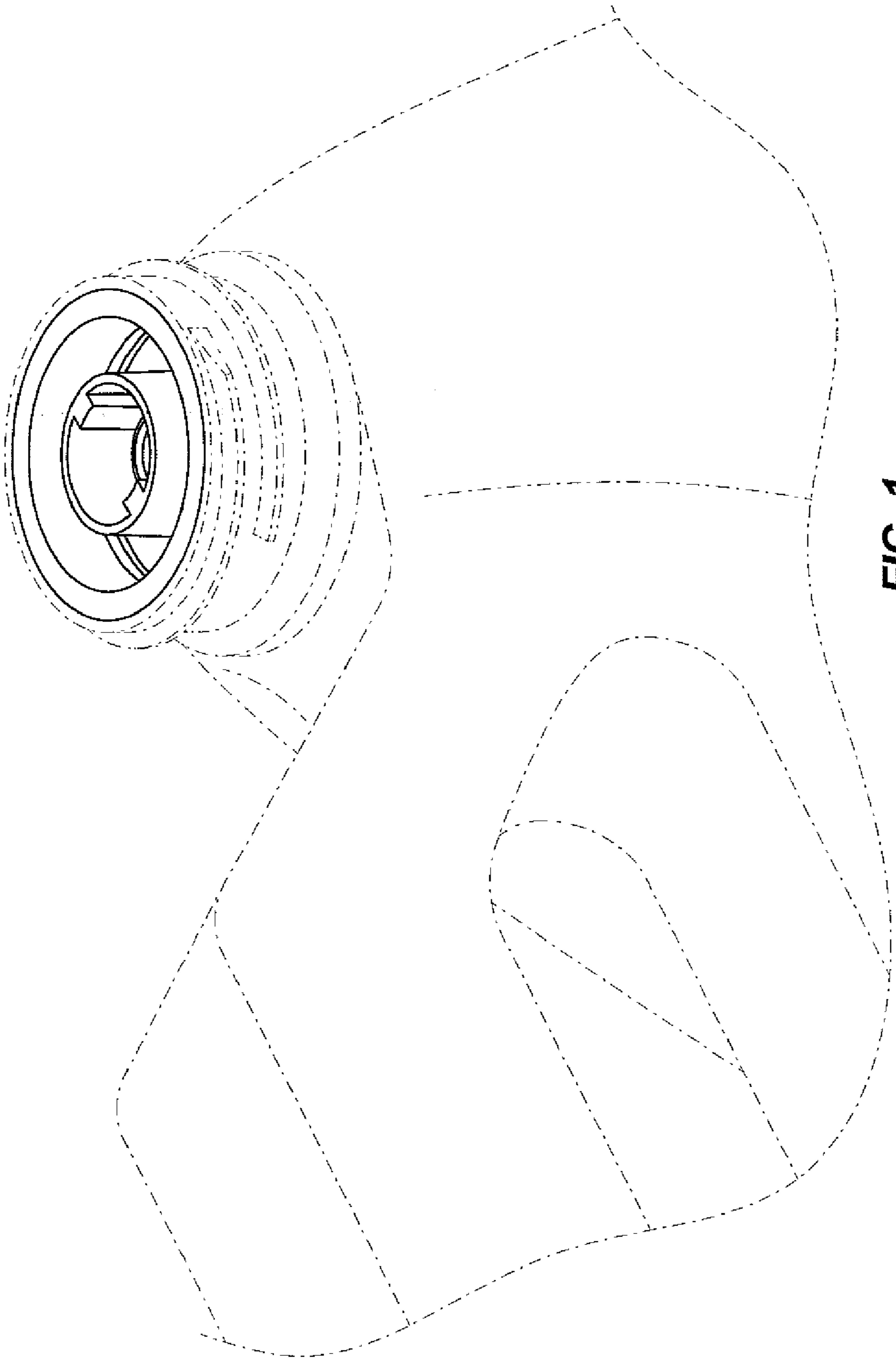
FIG. 9 is a bottom view of the bottle plug shown in FIG. 5.

The broken lines in the drawings depict environmental subject matter only and form no part of the claimed design.

The present application is directed to the ornamental features of a bottle plug having a lock-out feature and adapted to dispense the contents of a bottle when a cap having a matching lock-out feature engages the bottle.

1 Claim, 9 Drawing Sheets





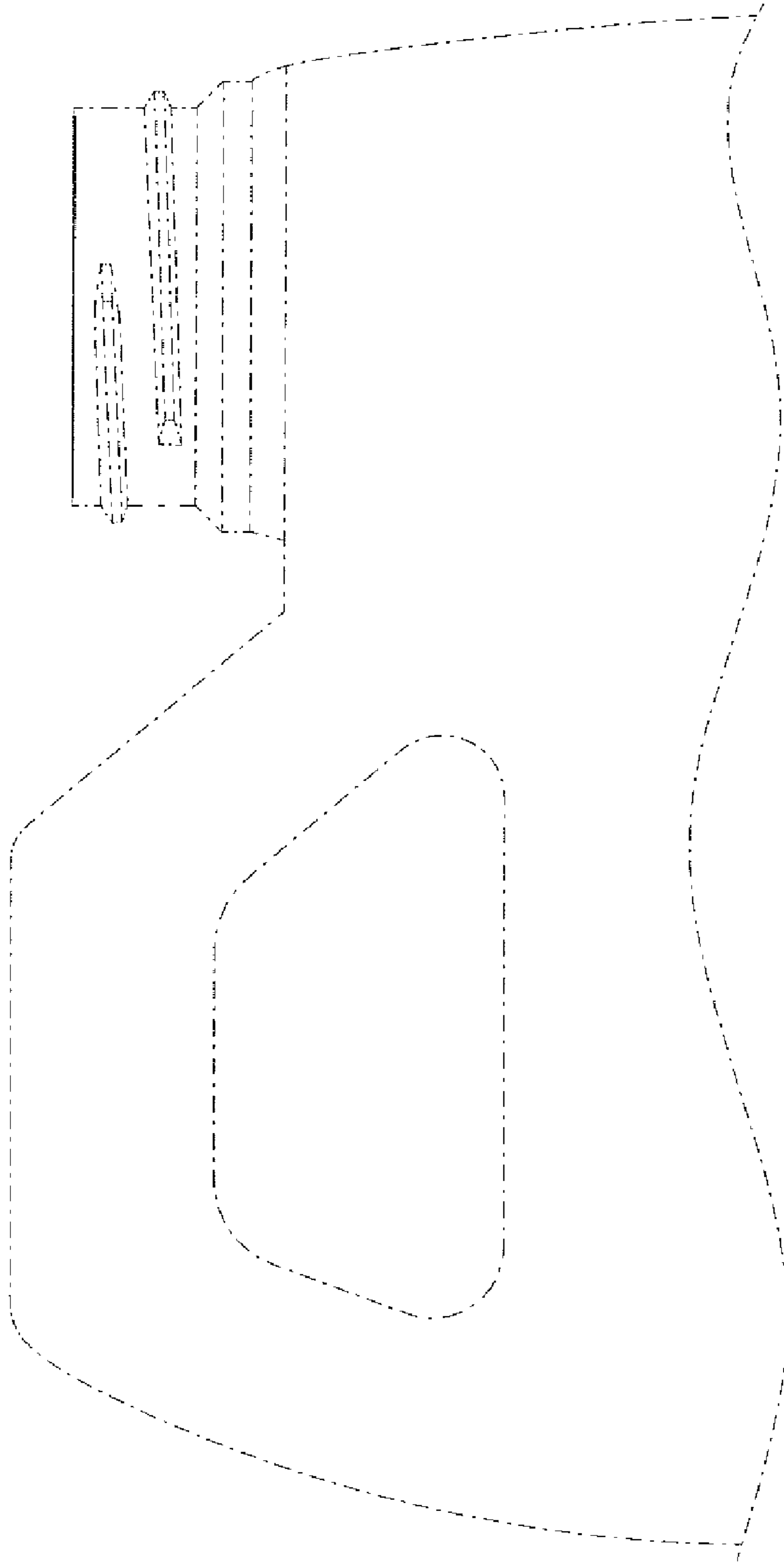


FIG. 2

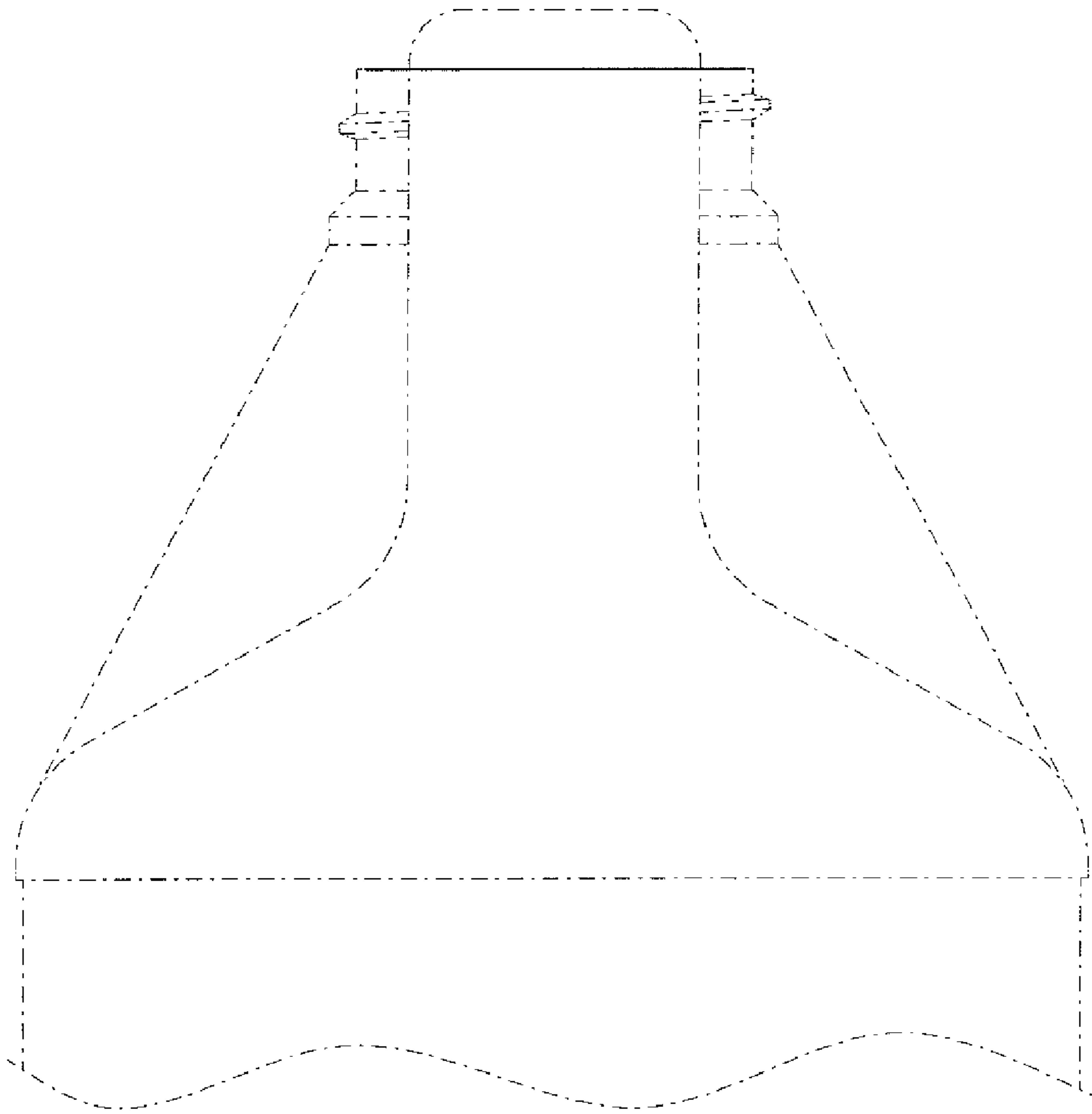


FIG. 3

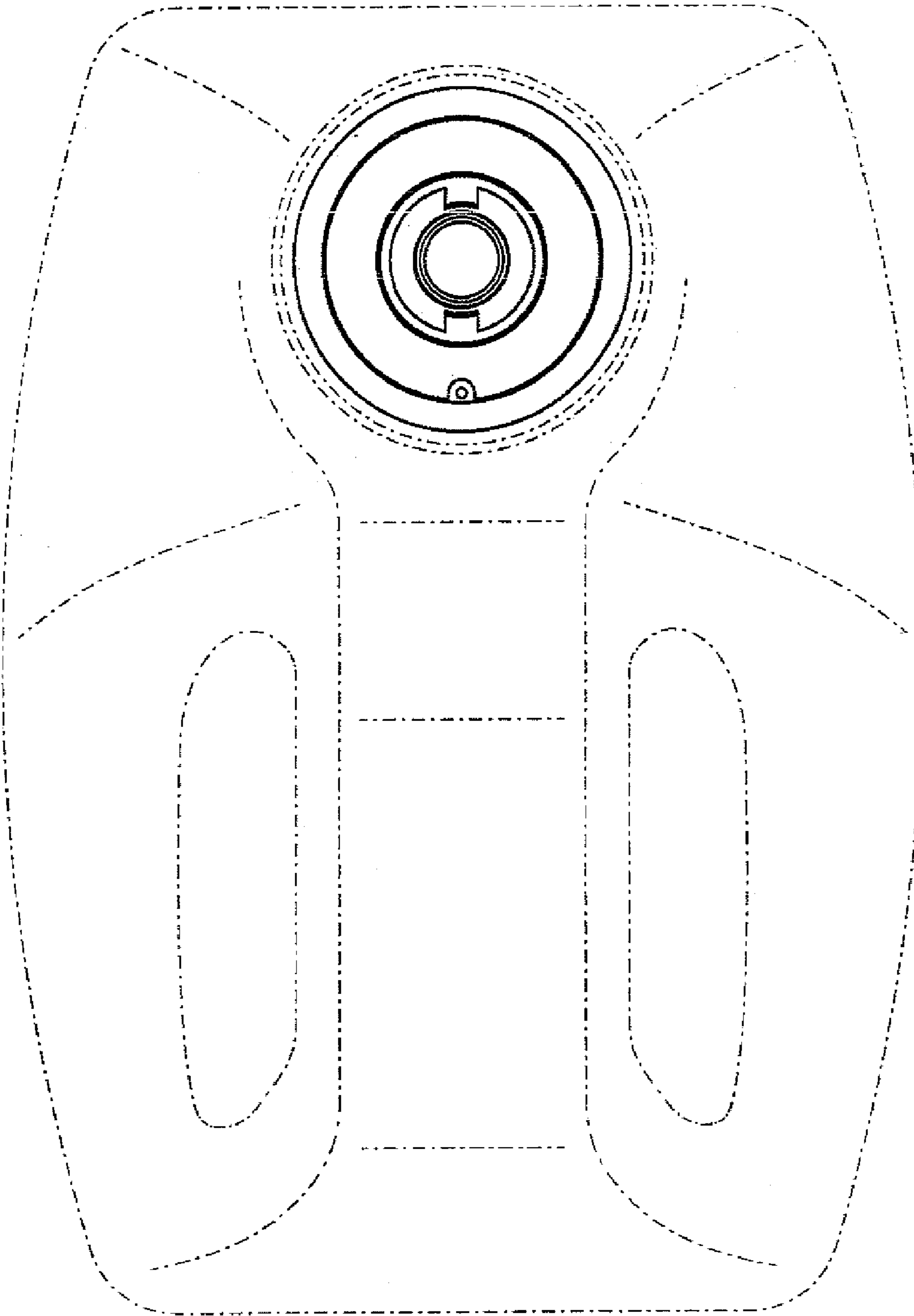


FIG. 4

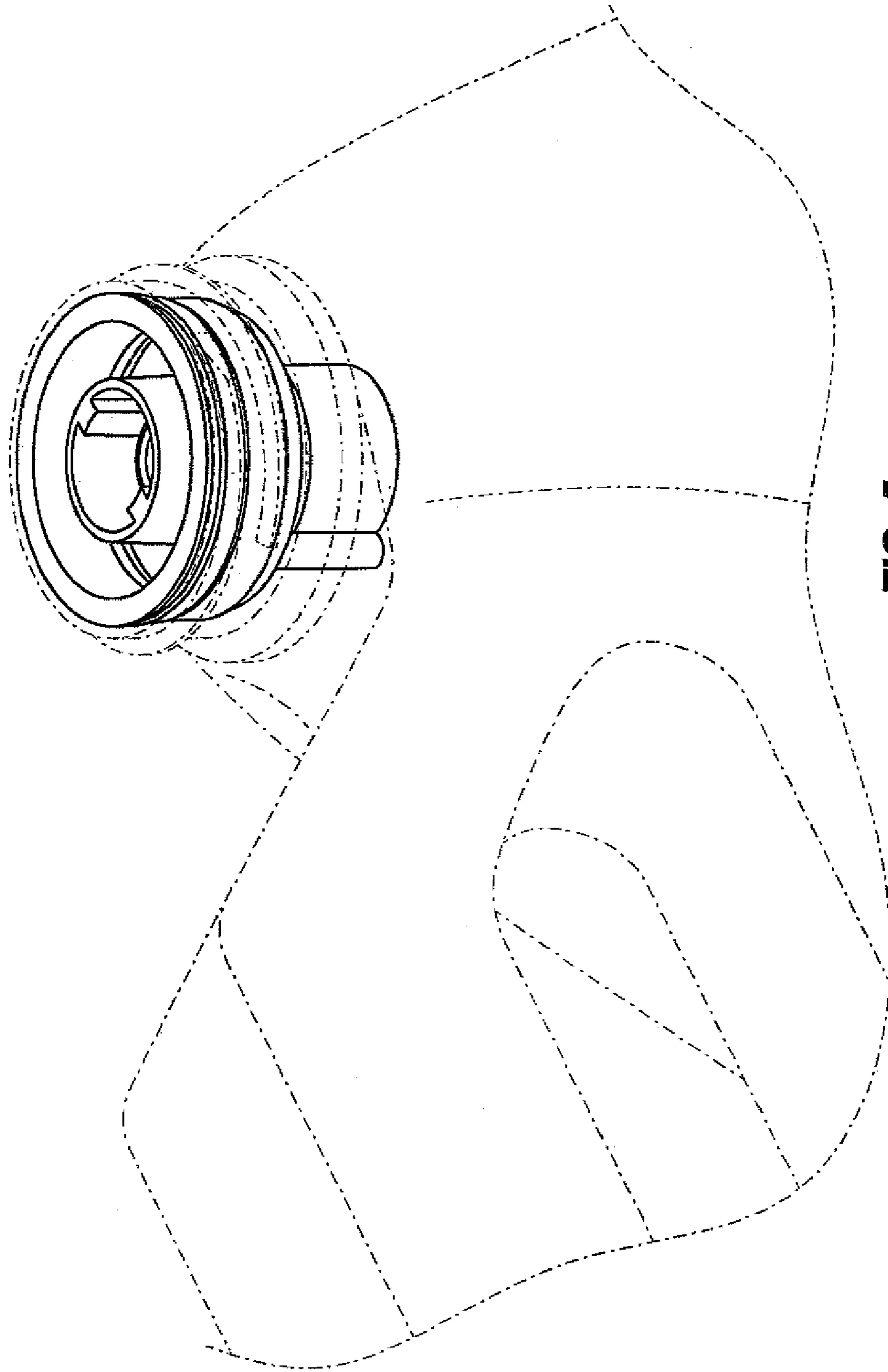


FIG. 5

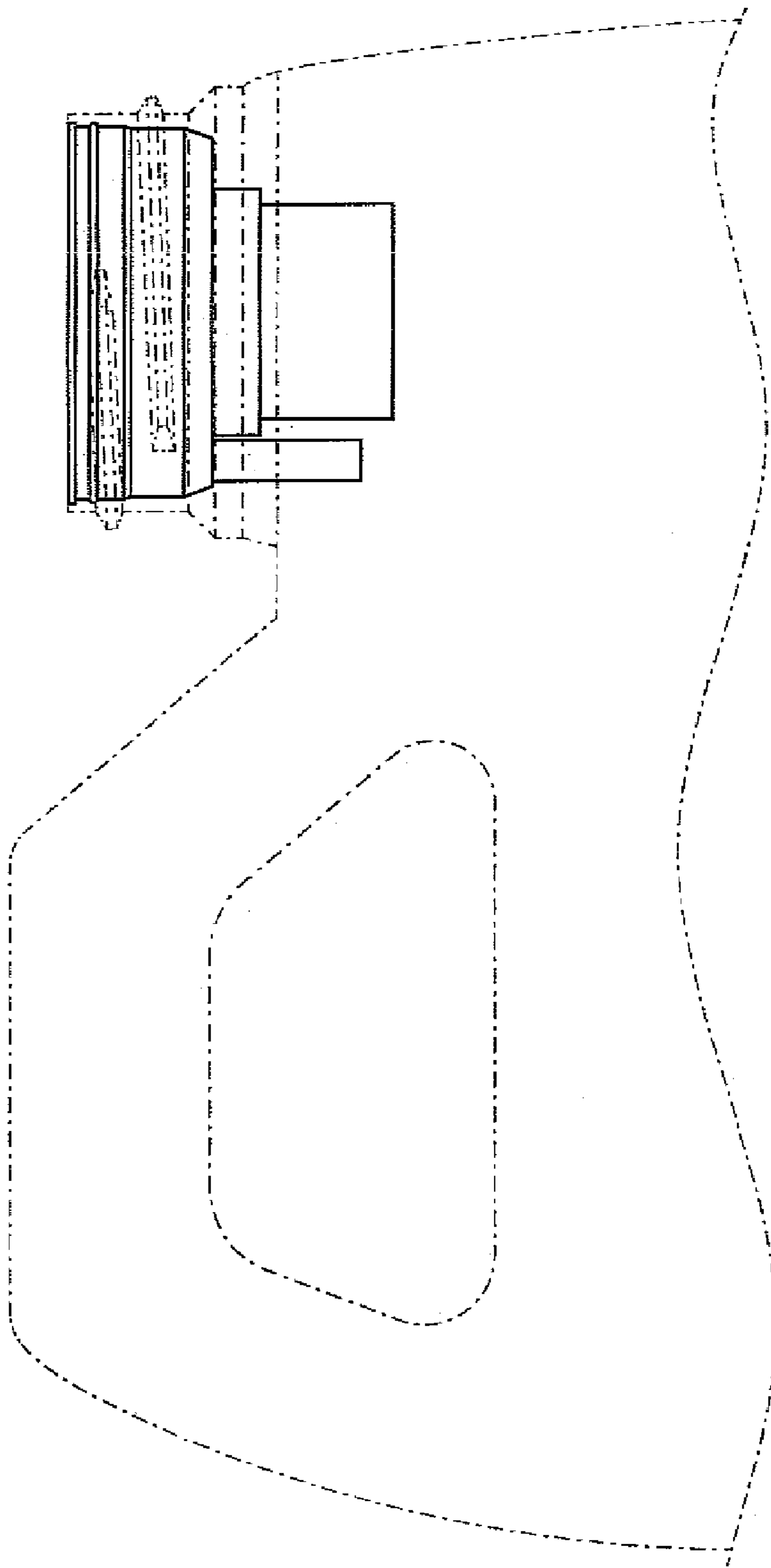


FIG. 6

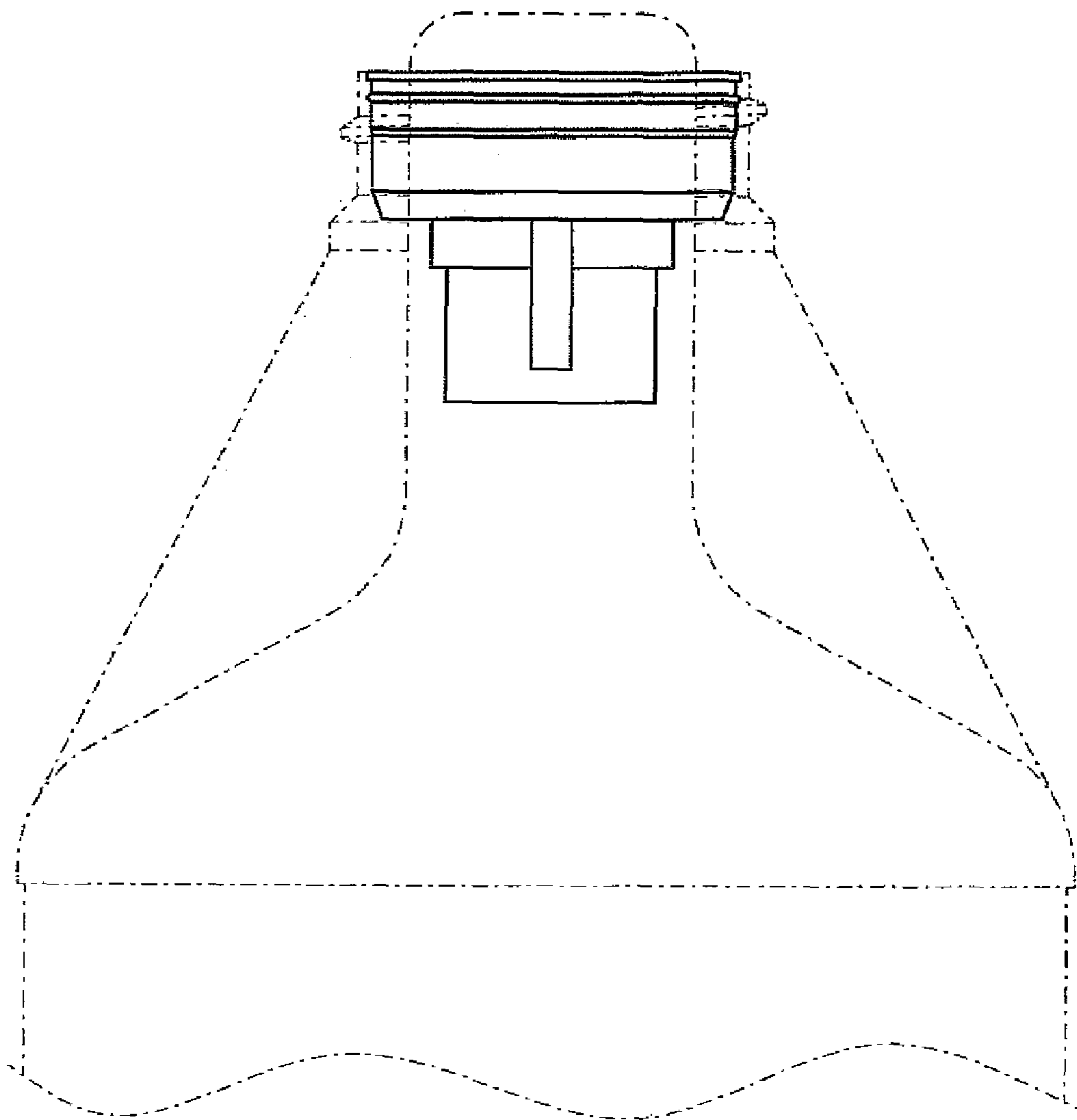


FIG. 7

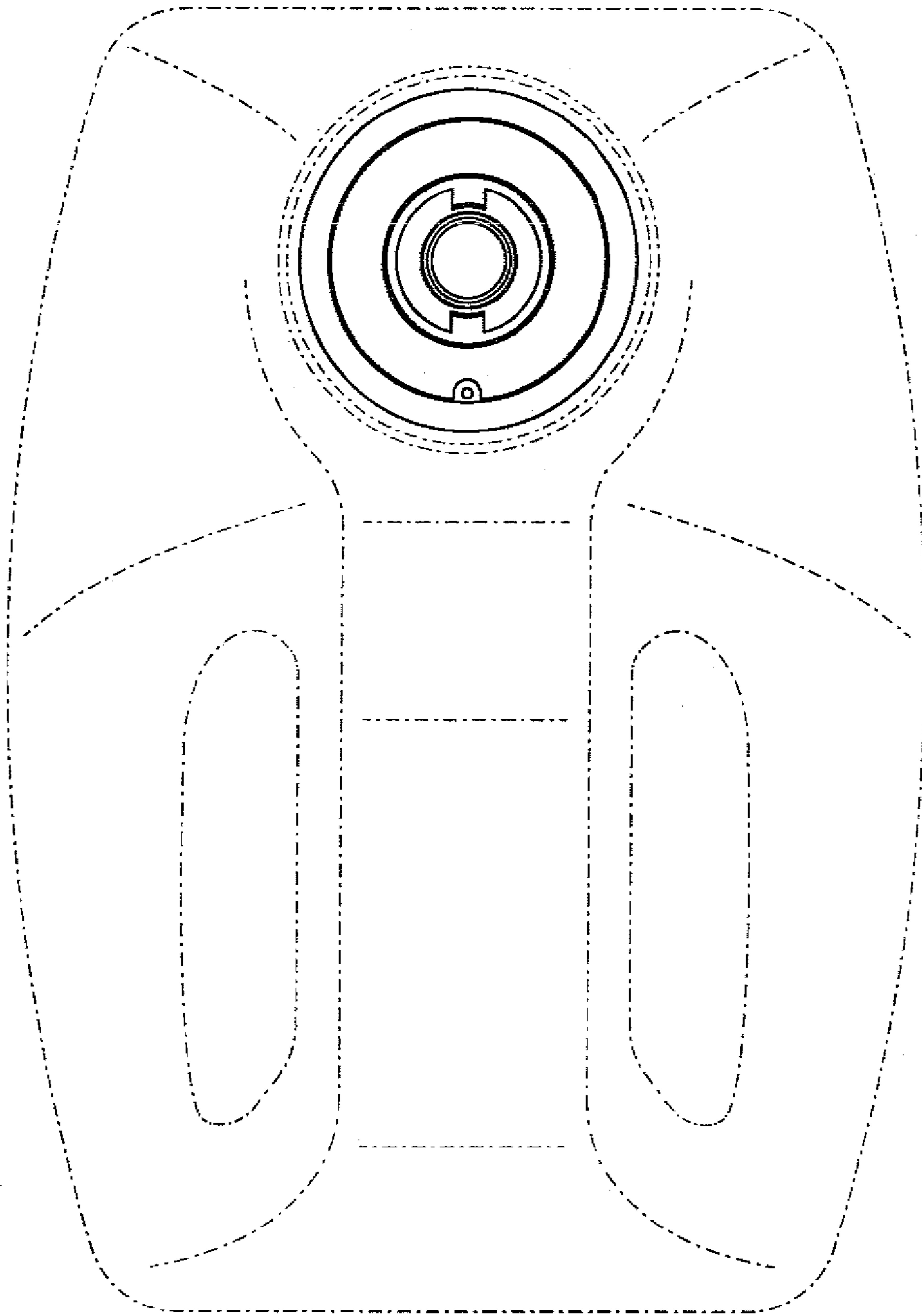


FIG. 8

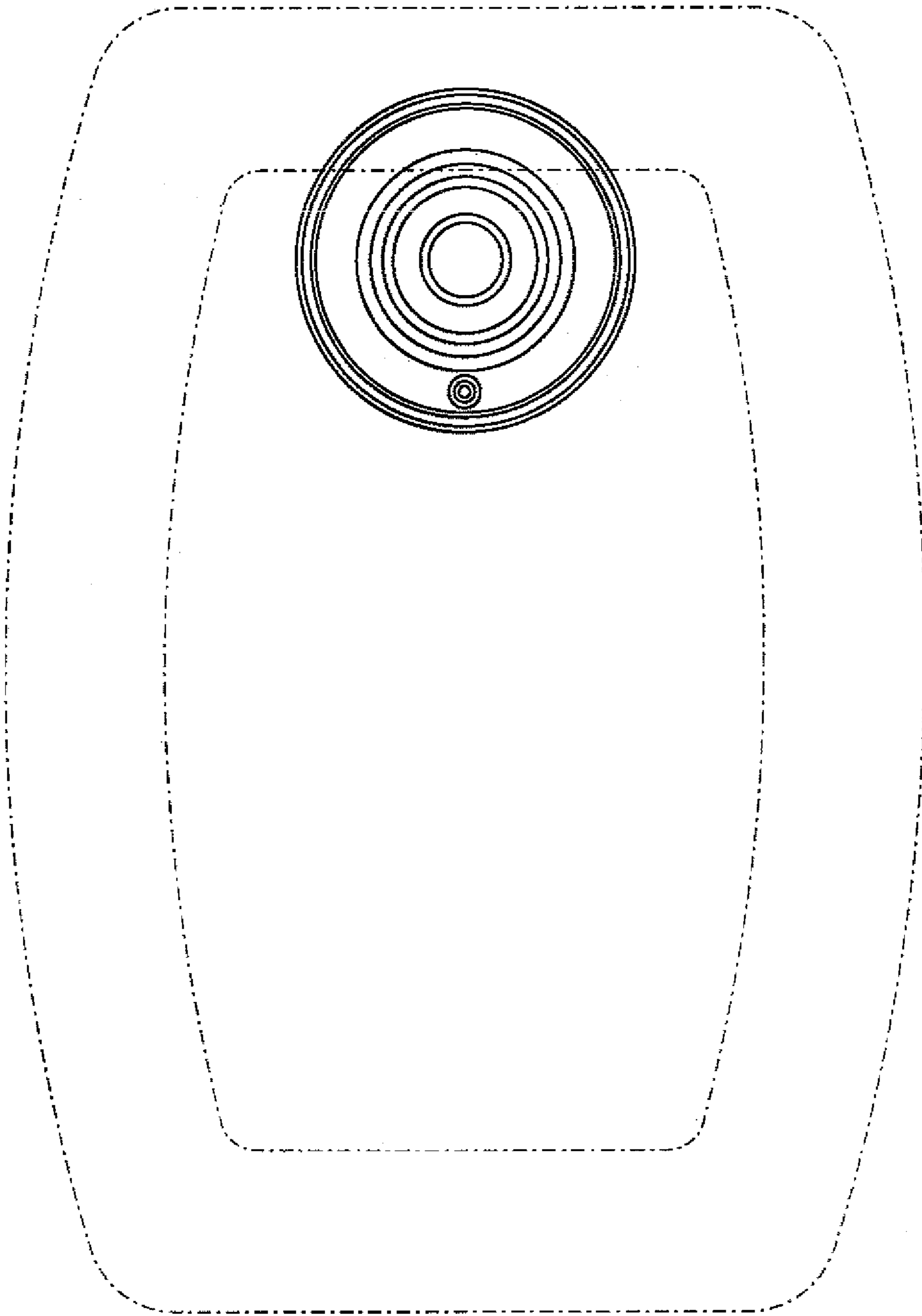


FIG. 9