



US00D865102S

(12) **United States Design Patent** (10) **Patent No.:** **US D865,102 S**
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(54) **COLLAR FOR A REDUCED DIAMETER BROADHEAD**

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

(21) Appl. No.: **29/635,654**

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Related U.S. Application Data

(63) Continuation of application No. 15/793,596, filed on Oct. 25, 2017, now Pat. No. 10,352,665, and a continuation of application No. 15/793,686, filed on Oct. 25, 2017, now Pat. No. 10,352,666.

(51) **LOC (12) Cl.** **22-01**

(52) **U.S. Cl.**
USPC **D22/107**

(58) **Field of Classification Search**
USPC D22/107
CPC F42B 6/08; F42B 12/34
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,417,440 A * 5/1995 Barrie F42B 6/08
473/584
8,182,378 B1 * 5/2012 Futterer F42B 6/08
473/583

9,803,962 B2 * 10/2017 Hahn F42B 6/08
10,030,949 B1 * 7/2018 Grace F42B 6/08
2002/0098926 A1 * 7/2002 Liechty, II F42B 6/08
473/583
2012/0178560 A1 * 7/2012 Grace F42B 6/08
473/583
2013/0190112 A1 * 7/2013 Pedersen F42B 6/08
473/583
2014/0179467 A1 * 6/2014 Pedersen F42B 6/08
473/583
2015/0168109 A1 * 6/2015 Pedersen F42B 12/34
473/583
2016/0025466 A1 * 1/2016 Pedersen F42B 6/08
473/583
2018/0112956 A1 * 4/2018 Haas F42B 6/08
2019/0219372 A1 * 7/2019 Haas F42B 6/08

* cited by examiner

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(57) **CLAIM**

The ornamental design for a collar for a reduced diameter broadhead, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a non-limiting exemplary embodiment of a collar for a reduced diameter broadhead; FIG. 2 is a bottom perspective view of the collar of FIG. 1; FIG. 3 is a top view of the collar of FIG. 1; FIG. 4 is a bottom view of the collar of FIG. 1; FIG. 5 is a side view of the collar of FIG. 1; FIG. 6 is a side view of the collar of FIG. 1 as viewed orthogonally from the side view illustrated in FIG. 5; and, FIG. 7 is a perspective view of a cross-section of the collar of FIG. 1 along line 7-7 shown in FIGS. 5 and 6.

1 Claim, 6 Drawing Sheets

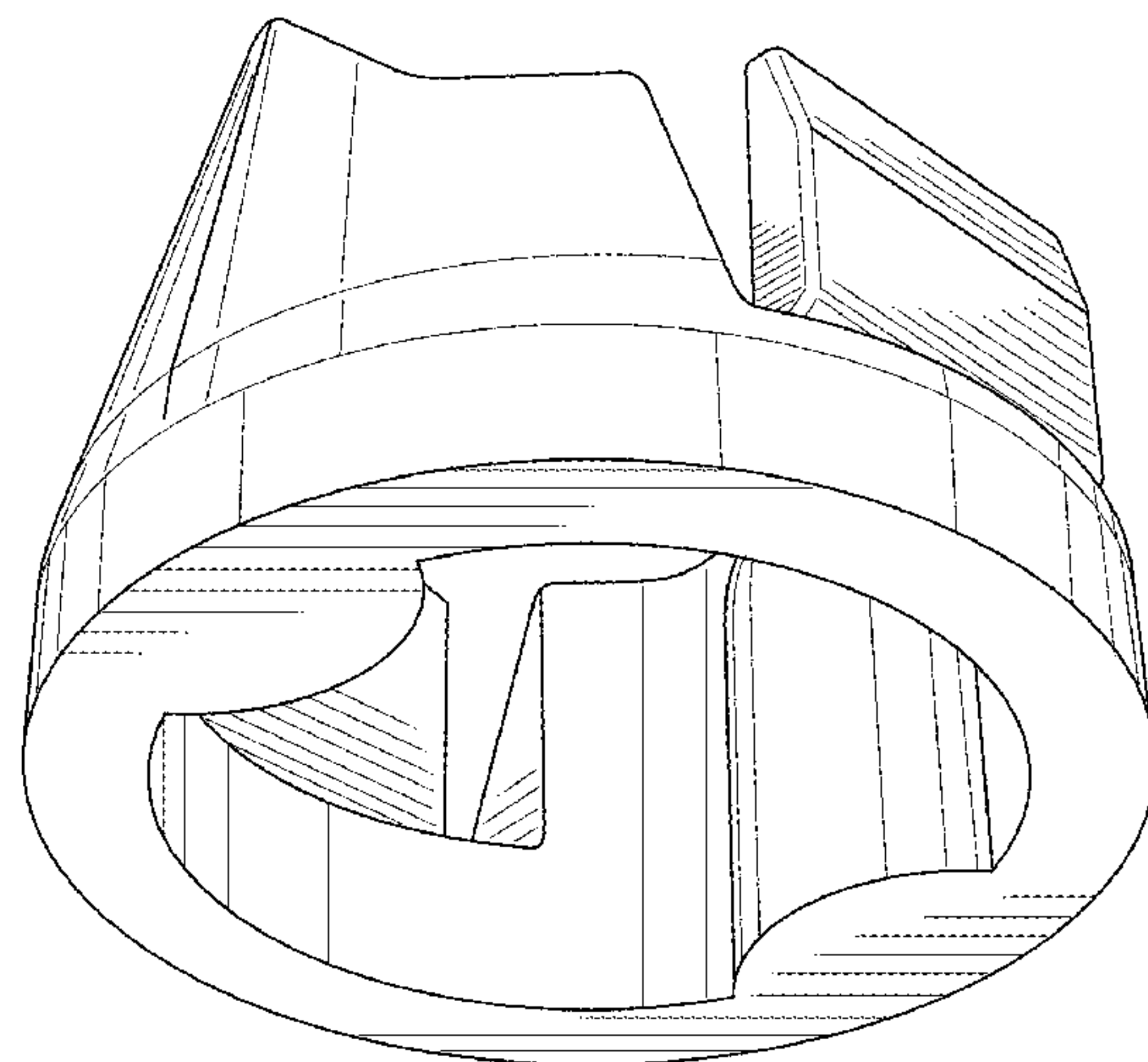
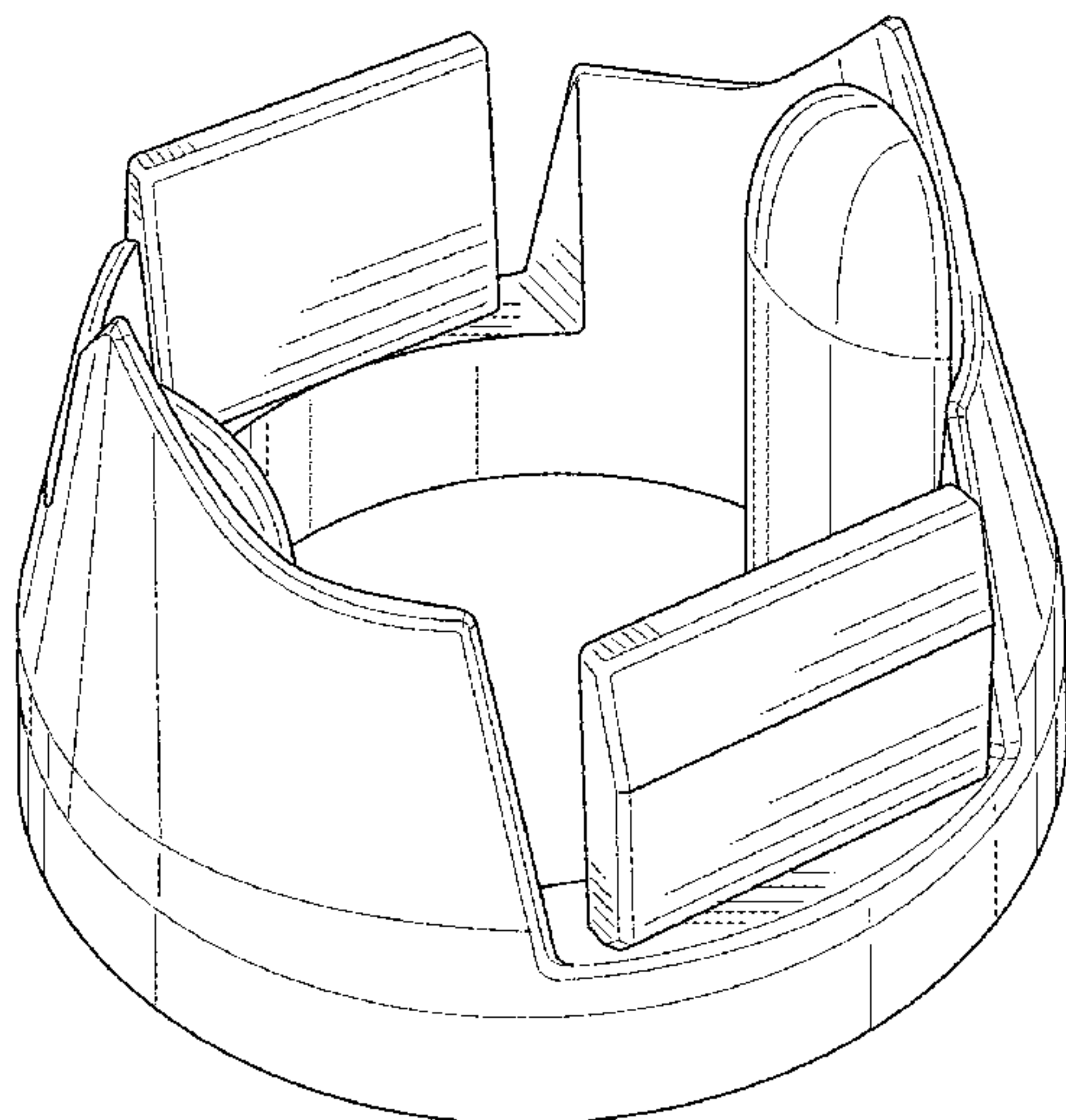


FIG. 1

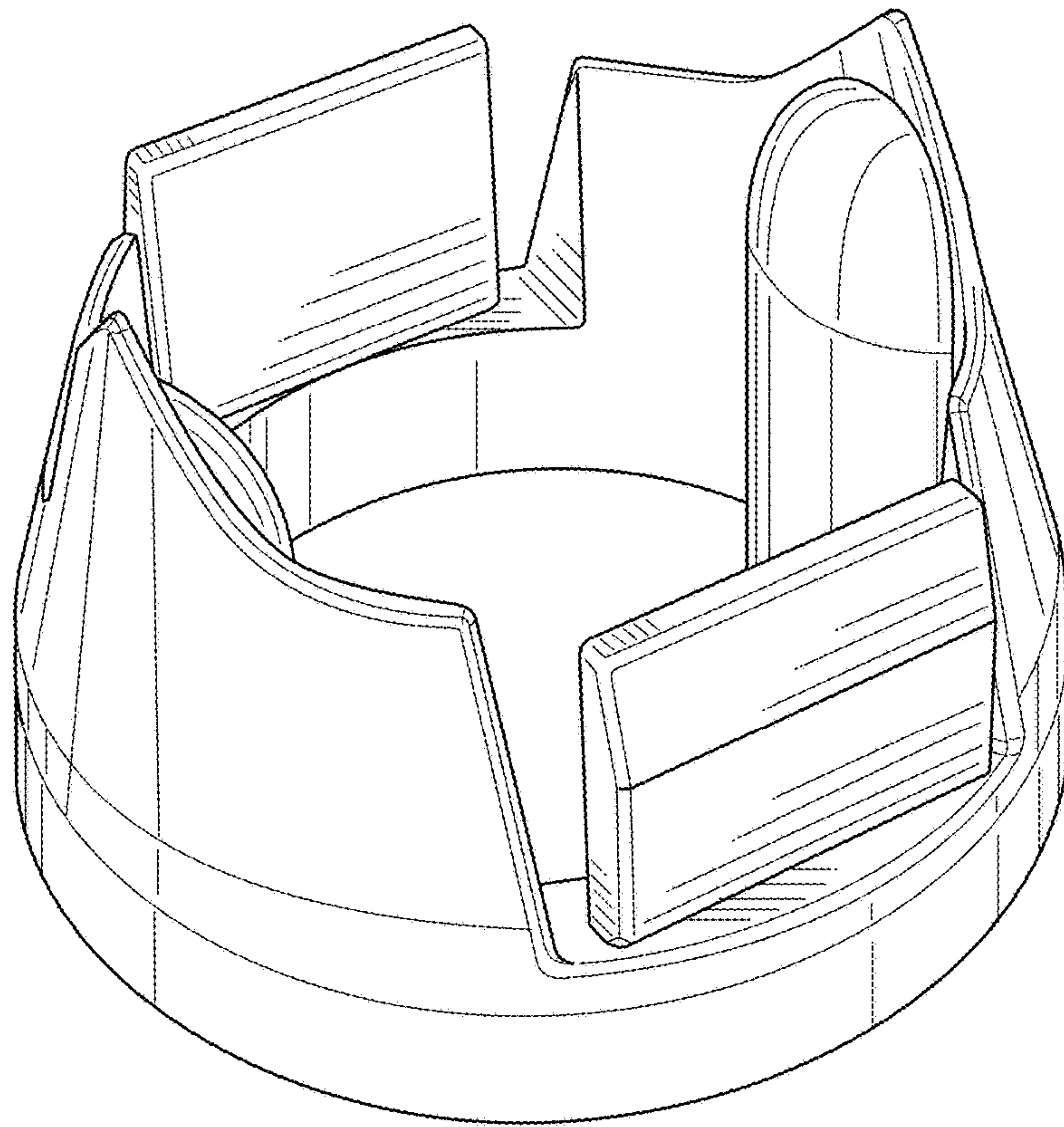


FIG. 2

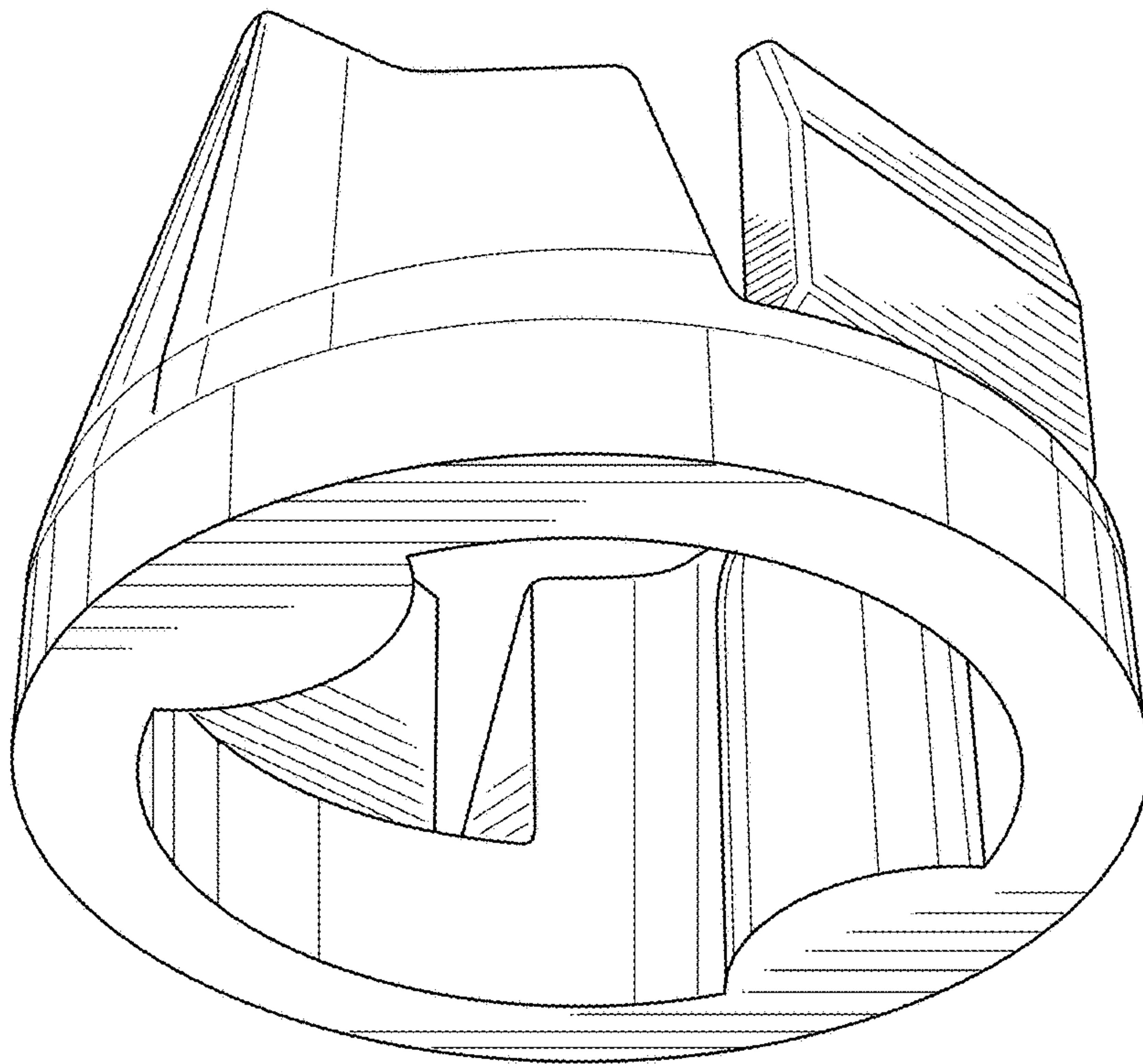


FIG. 3

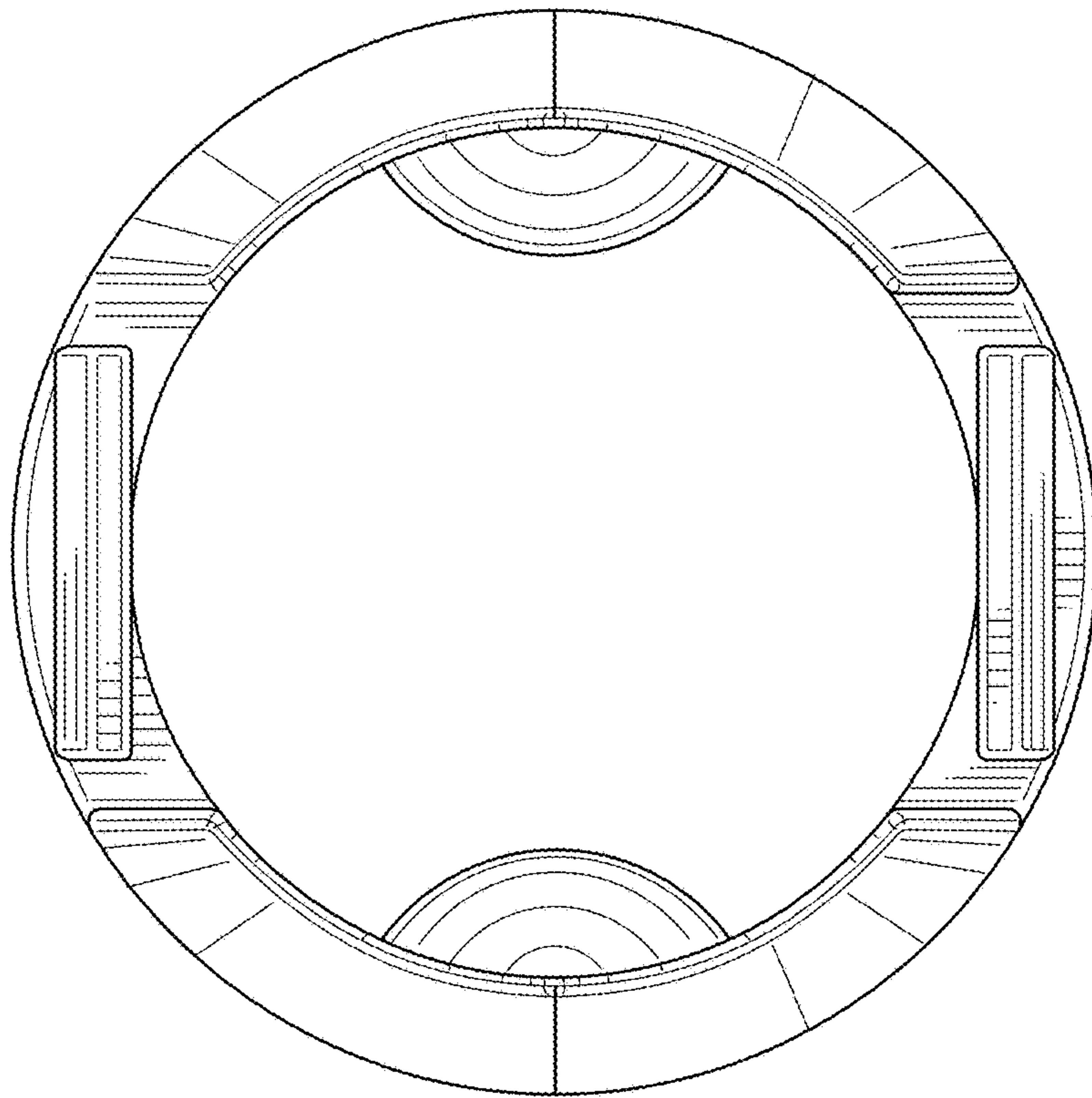


FIG. 4

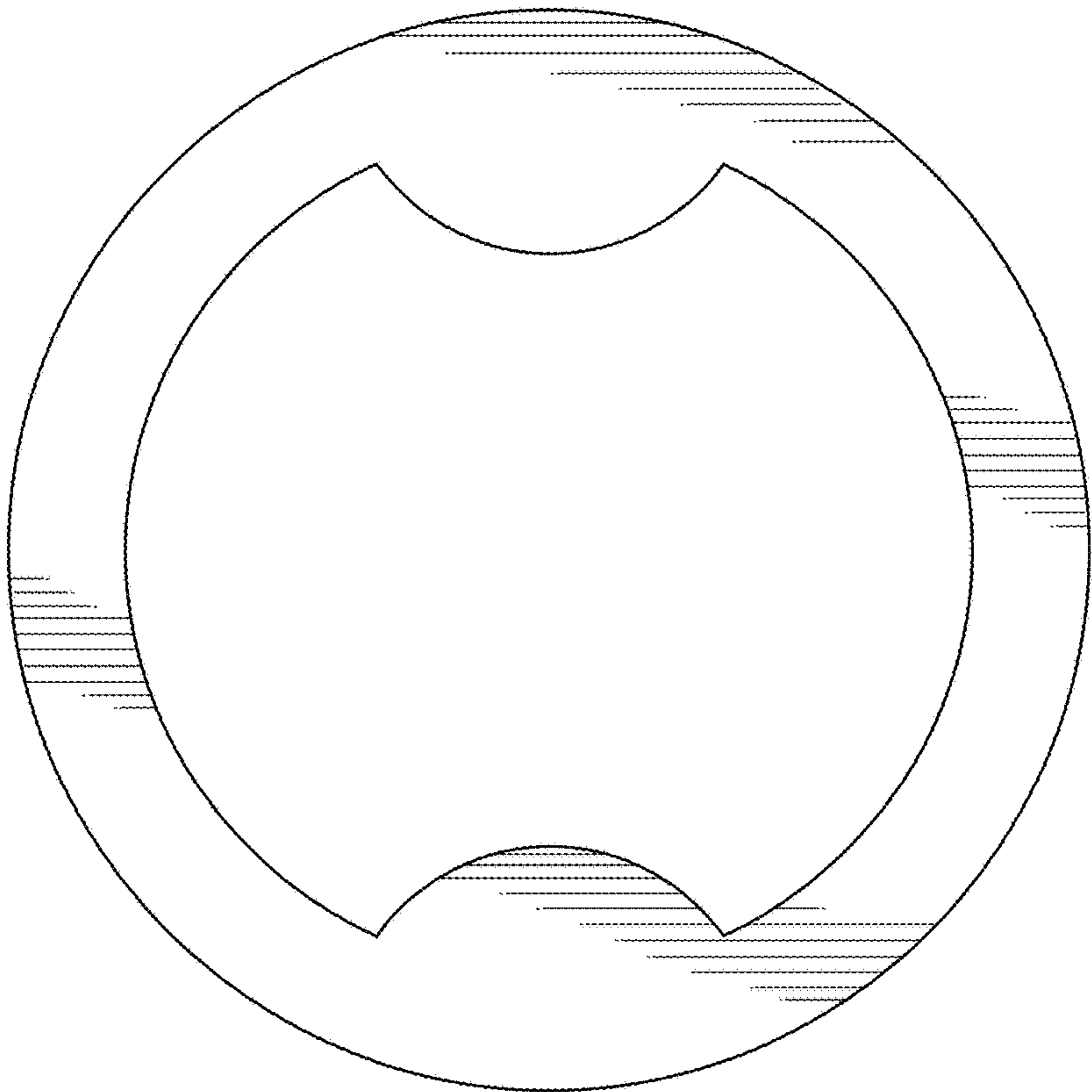


FIG. 5

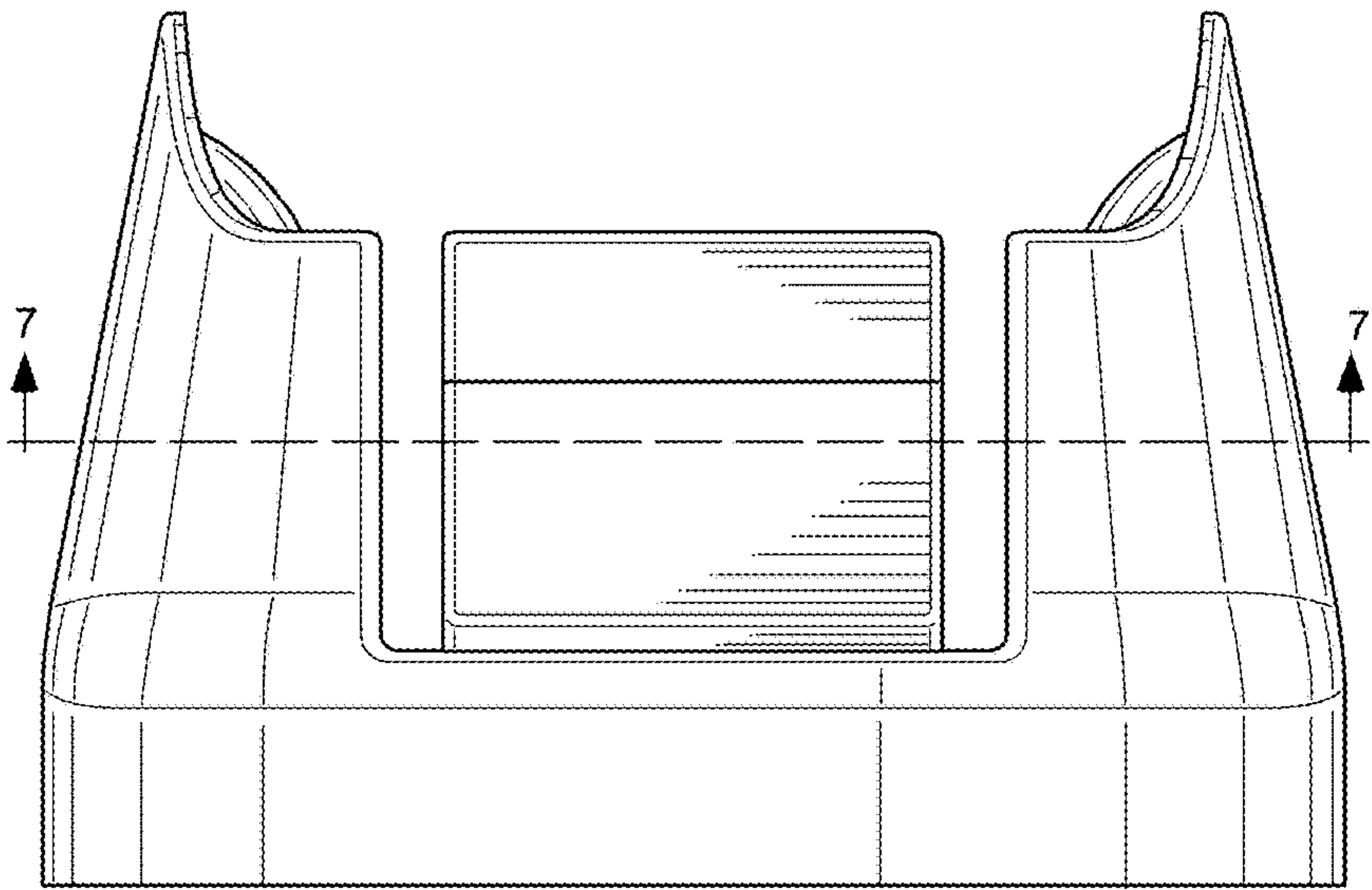


FIG. 6

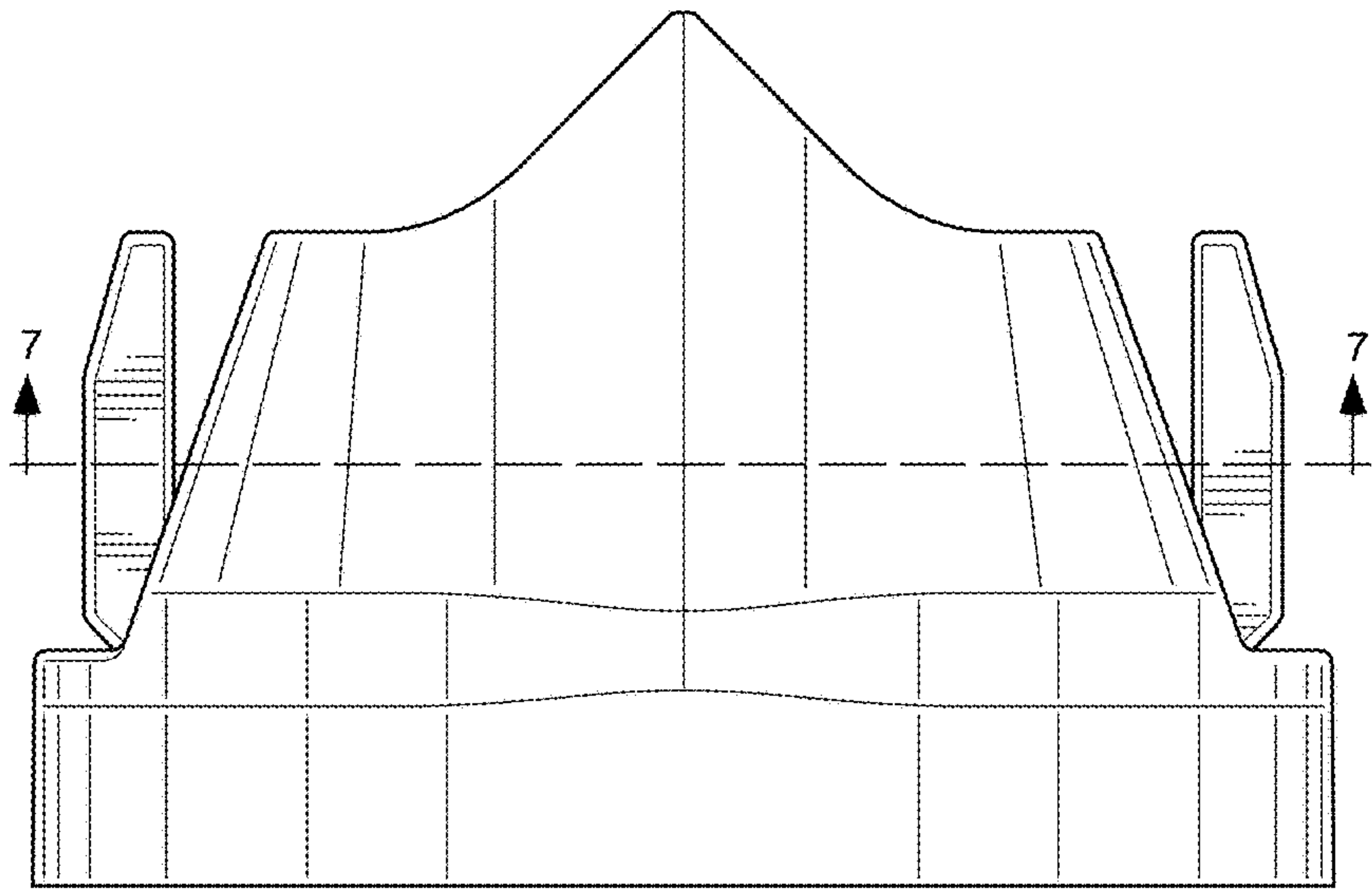


FIG. 7

