



US00D782076S

(12) **United States Design Patent** (10) **Patent No.:** **US D782,076 S**
Teufel et al. (45) **Date of Patent:** **** Mar. 21, 2017**

(54) **TROCAR** D700,326 S * 2/2014 Minnelli D24/146
D752,746 S * 3/2016 Teufel D24/146
D757,266 S * 5/2016 Teufel D24/146
(71) Applicant: **KARL STORZ GmbH & Co. KG,** 2007/0185453 A1 * 8/2007 Michael A61B 17/3462
Tuttlingen (DE) 604/164.01
(72) Inventors: **Felix Teufel,** Tuttlingen (DE); **Thomas** 2008/0228214 A1 * 9/2008 Hoan A61B 17/34
Weishaupt, Sigmaringen (DE); 606/185
Giovanni Dapri, Caravaggio (IT) 2010/0016878 A1 * 1/2010 Smith A61B 17/3417
606/185
(73) Assignee: **KARL STORZ GmbH & Co. KG,** 2013/0237902 A1 * 9/2013 McGinley A61B 17/3462
Tuttlingen (DE) 604/26
2013/0338694 A1 * 12/2013 Fischvogt A61B 17/3494
606/185

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

* cited by examiner

(21) Appl. No.: **29/535,732**

Primary Examiner — Garth Rademaker

(22) Filed: **Aug. 10, 2015**

Assistant Examiner — Samantha Q Lawrence

(30) **Foreign Application Priority Data**

(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

Feb. 9, 2015 (EM) 002629360-0001

(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D25/146**

(58) **Field of Classification Search**
USPC D7/649; D8/93, 97, 300, 310, 311, 313;
D19/110, 115; D24/146, 147, 148
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D541,417 S * 4/2007 Albrecht D24/146
8,206,411 B2 * 6/2012 Thompson A61B 17/3462
600/184

(57) **CLAIM**

The ornamental design for a trocar, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a trocar according to the present invention.

FIG. 2 is a front view of the trocar of FIG. 1.

FIG. 3 is a rear view of the trocar of FIG. 1.

FIG. 4 is a left side view of the trocar of FIG. 1.

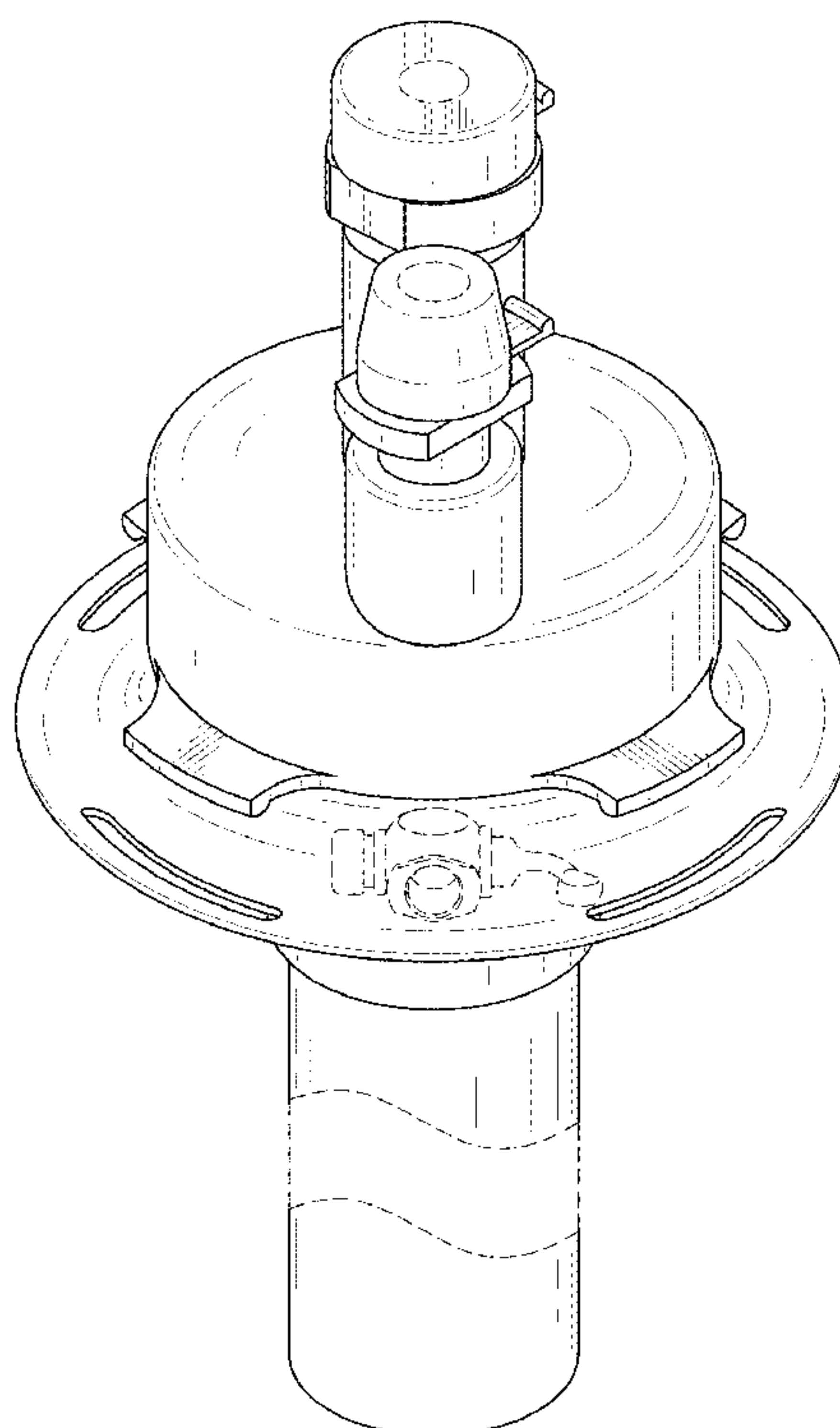
FIG. 5 is a right side view of the trocar of FIG. 1.

FIG. 6 is a top view of the trocar of FIG. 1; and,

FIG. 7 is a bottom view of the trocar of FIG. 1.

The dashed lines illustrate environment that does not form a part of the present invention, and no claim is made to the material illustrated with dashed lines.

1 Claim, 7 Drawing Sheets



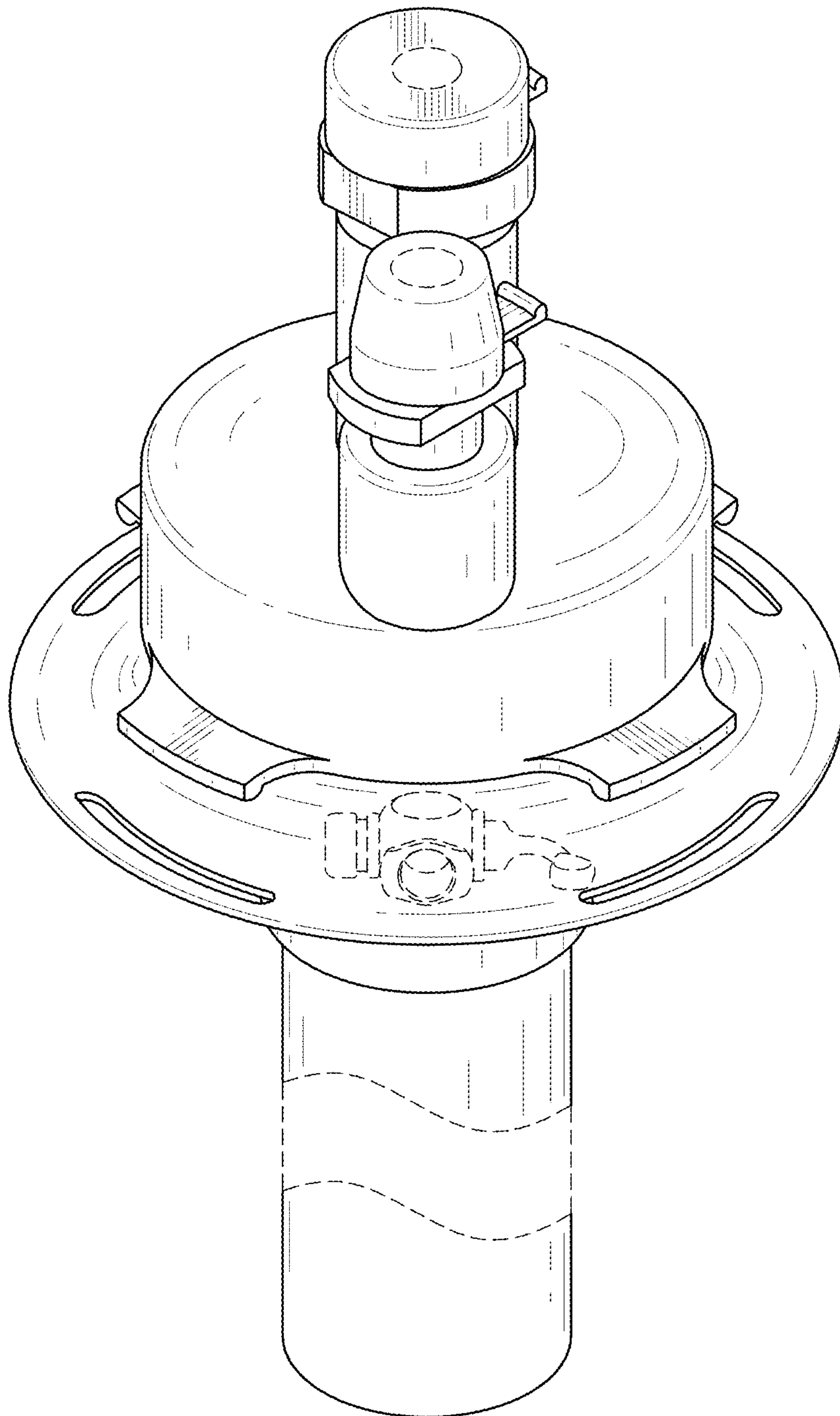


FIG.1

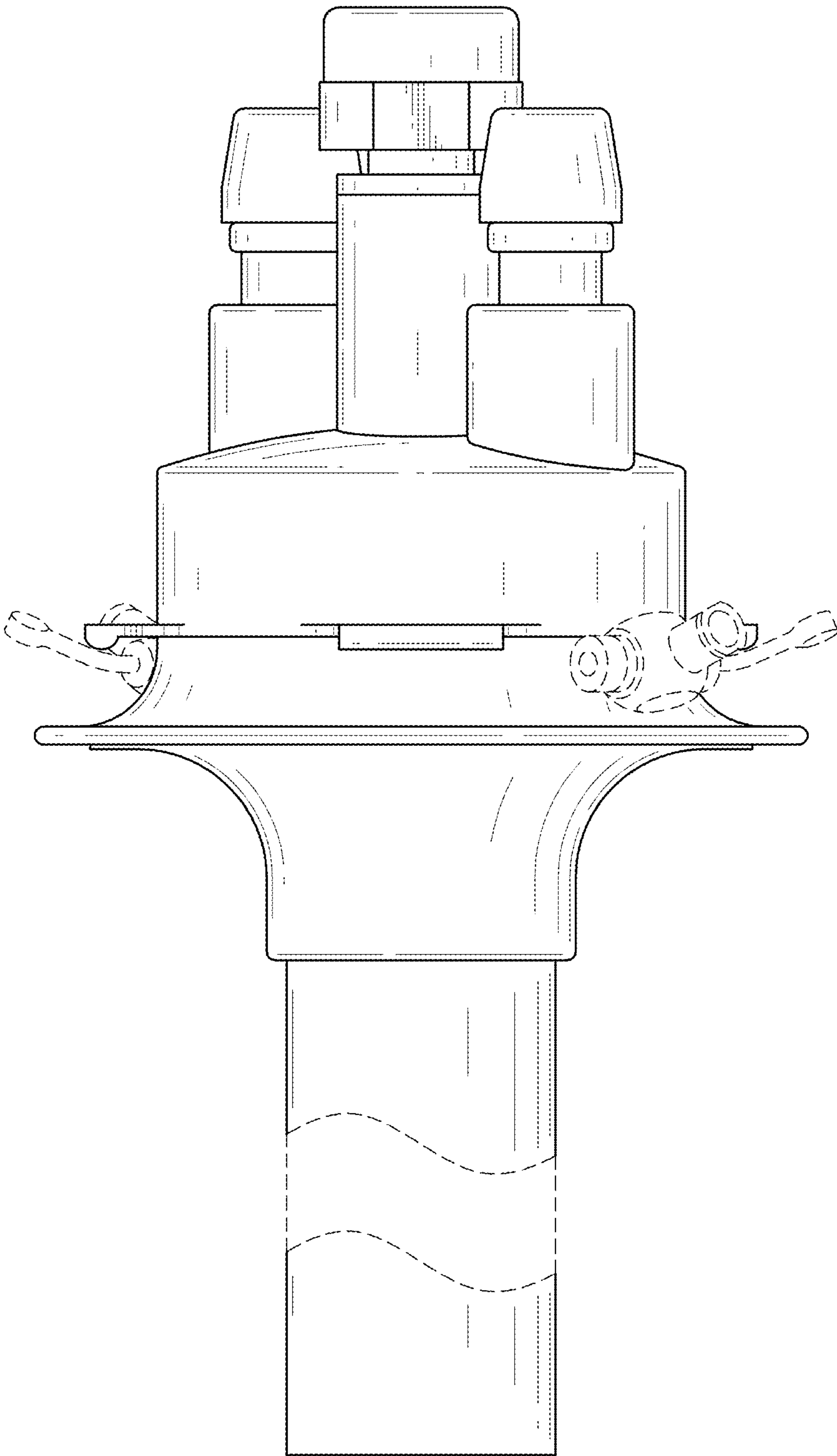


FIG.2

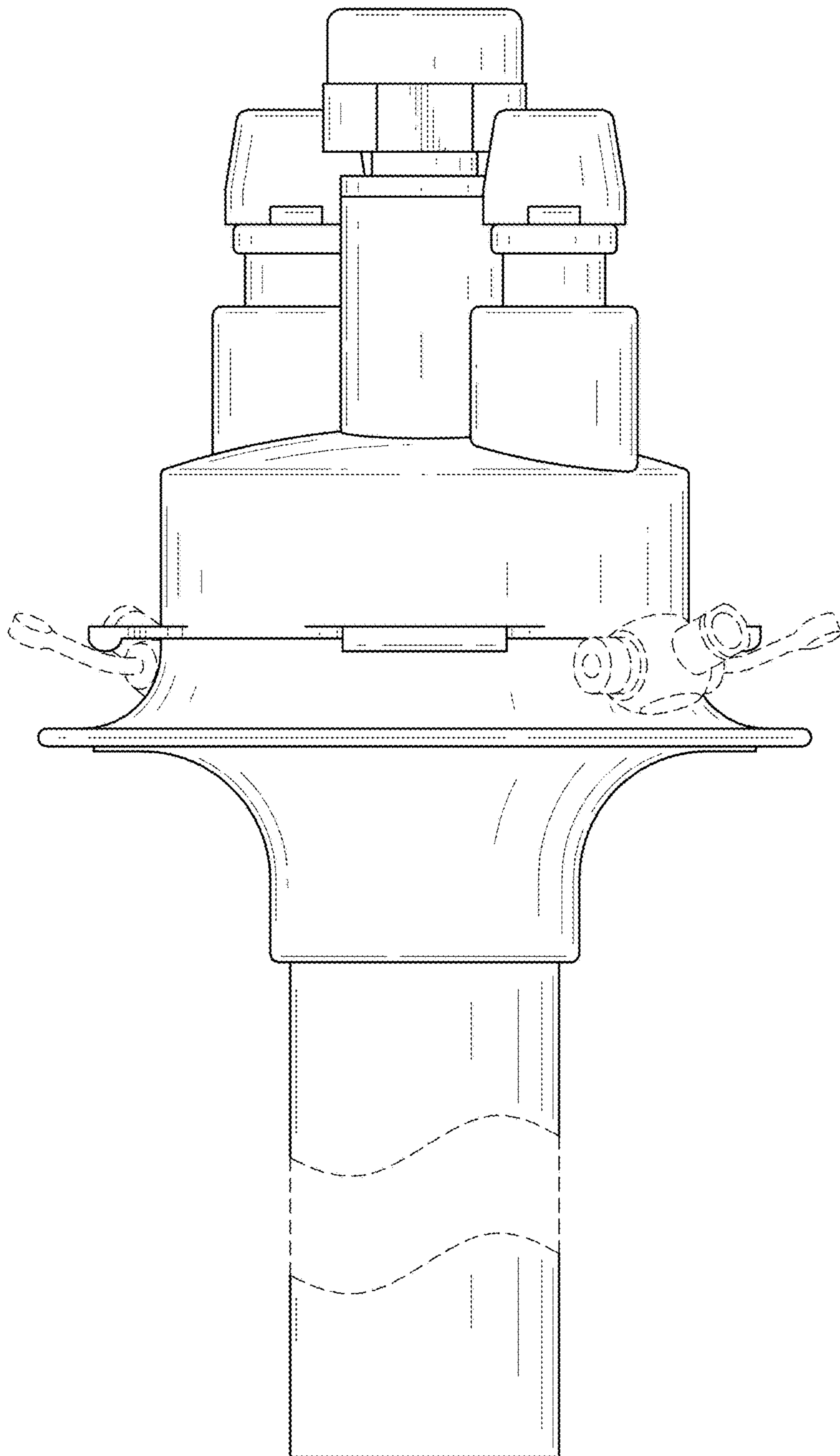


FIG.3

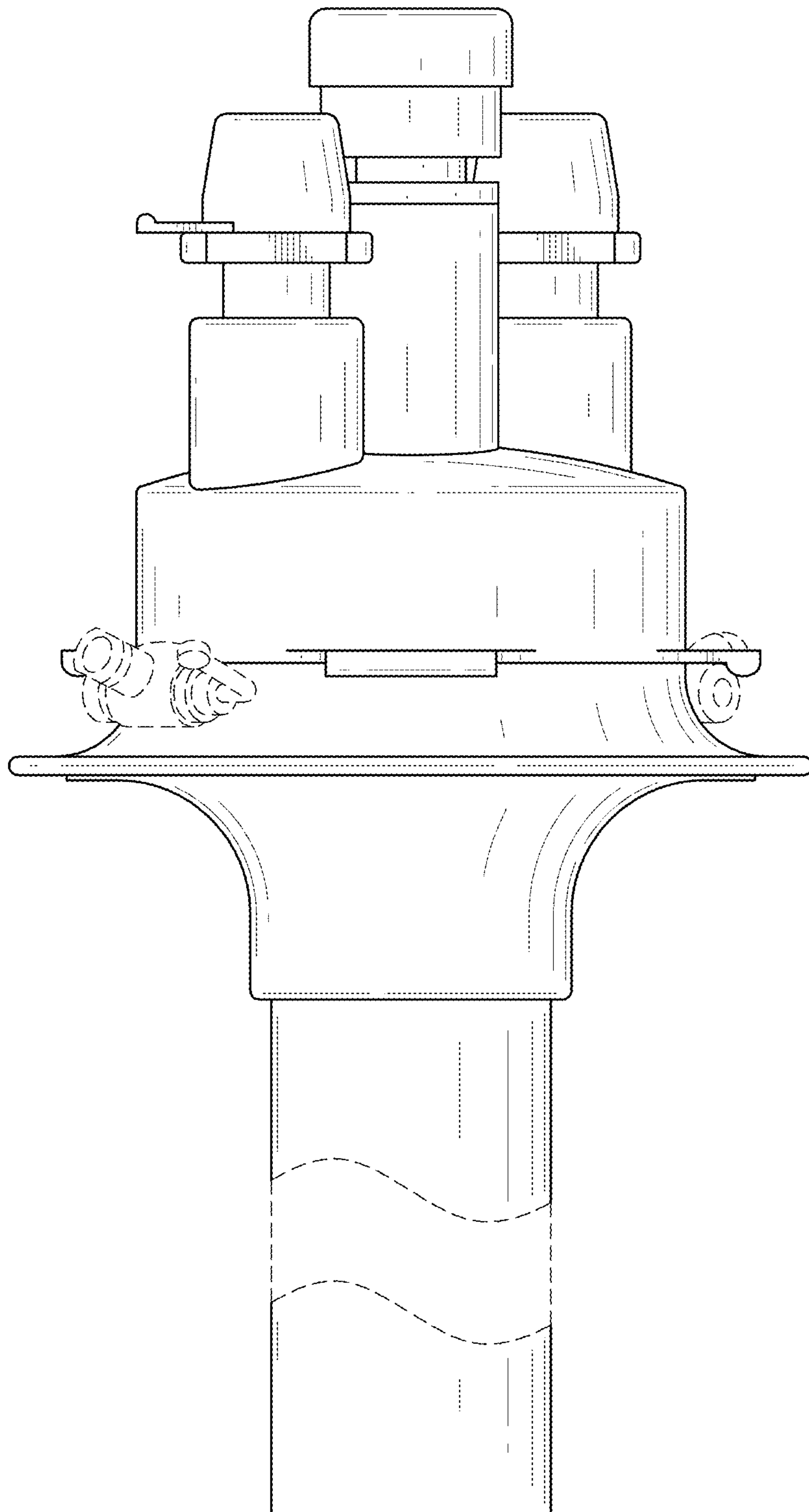


FIG.4

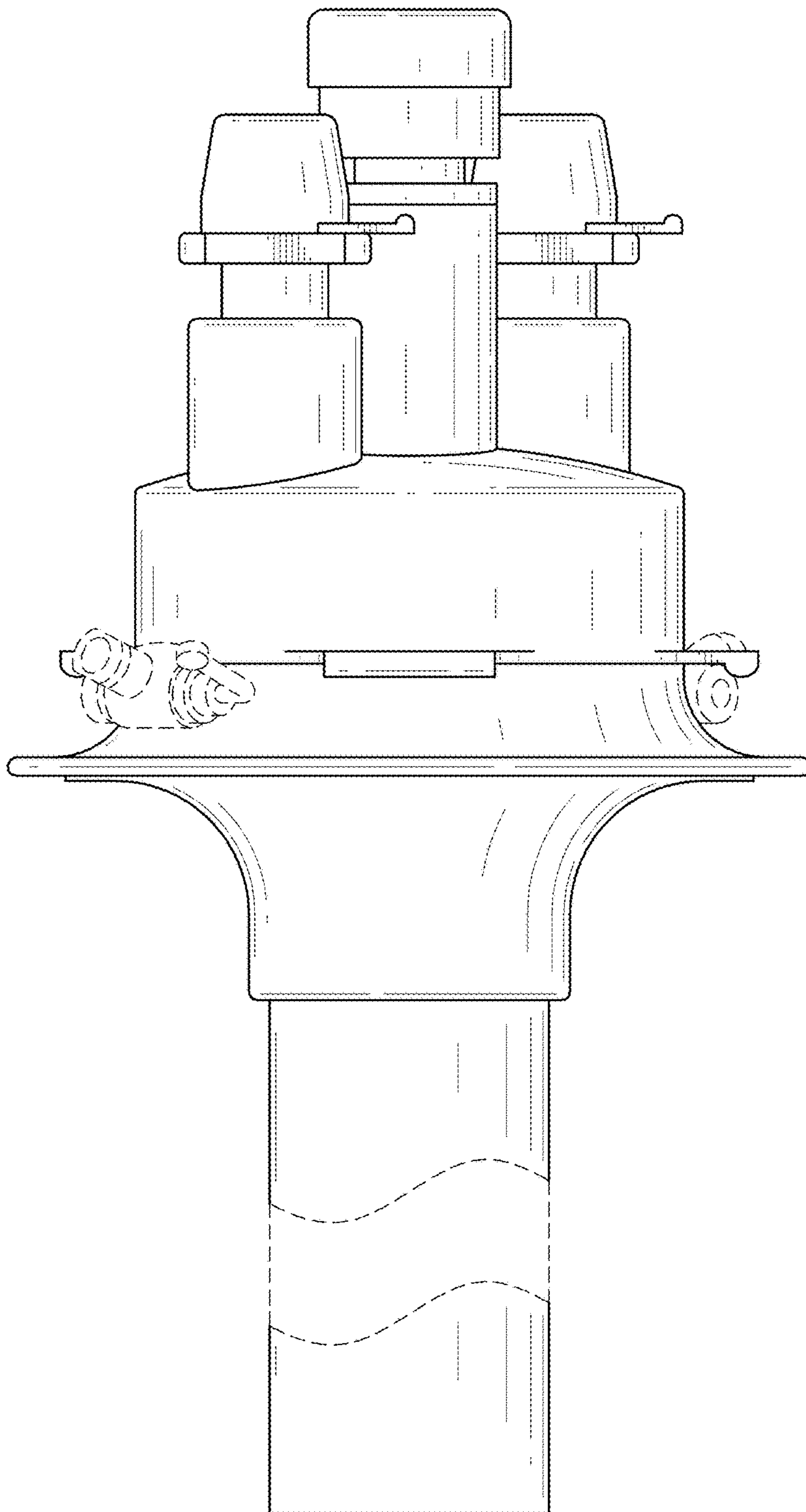


FIG.5

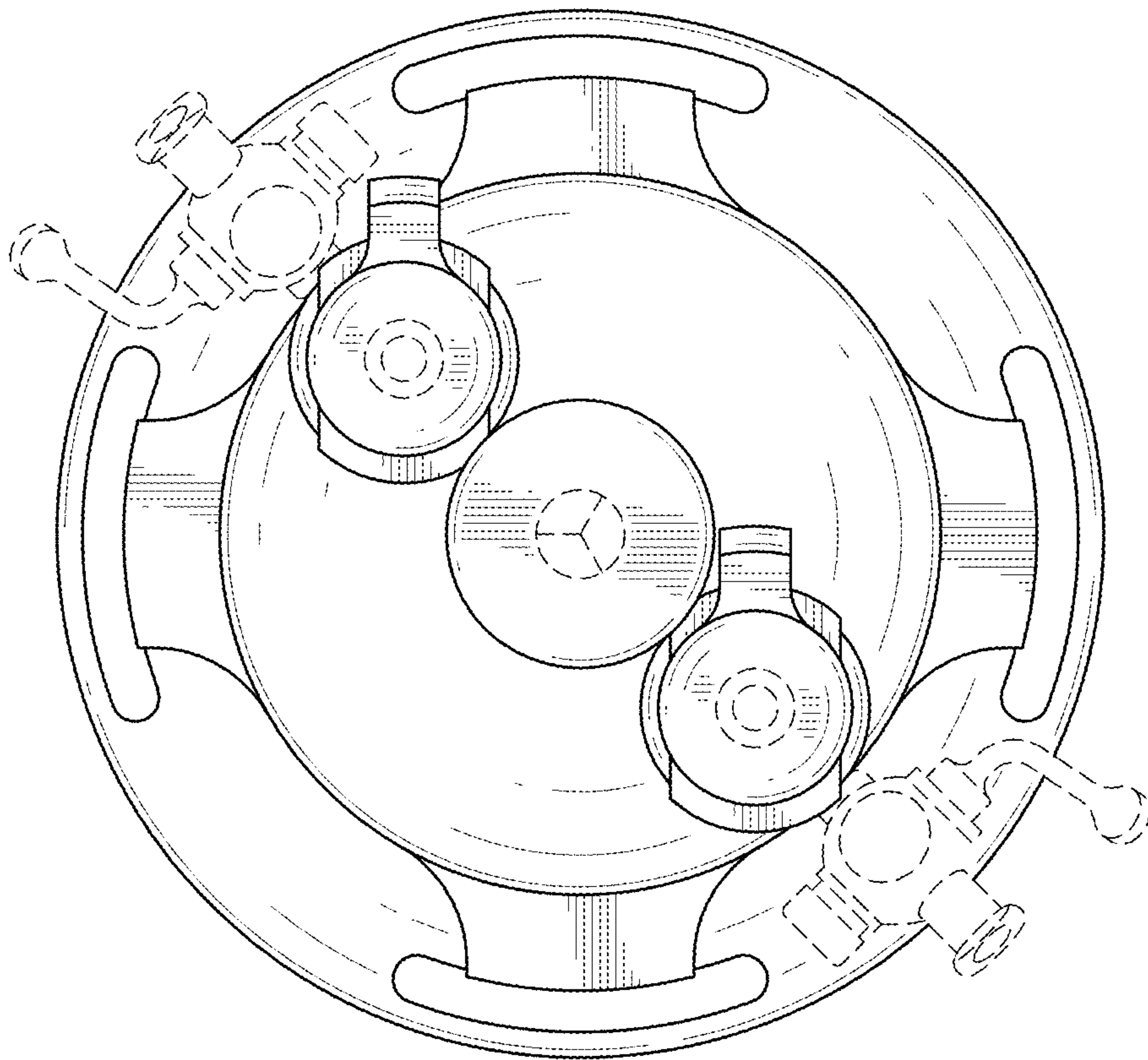


FIG.6

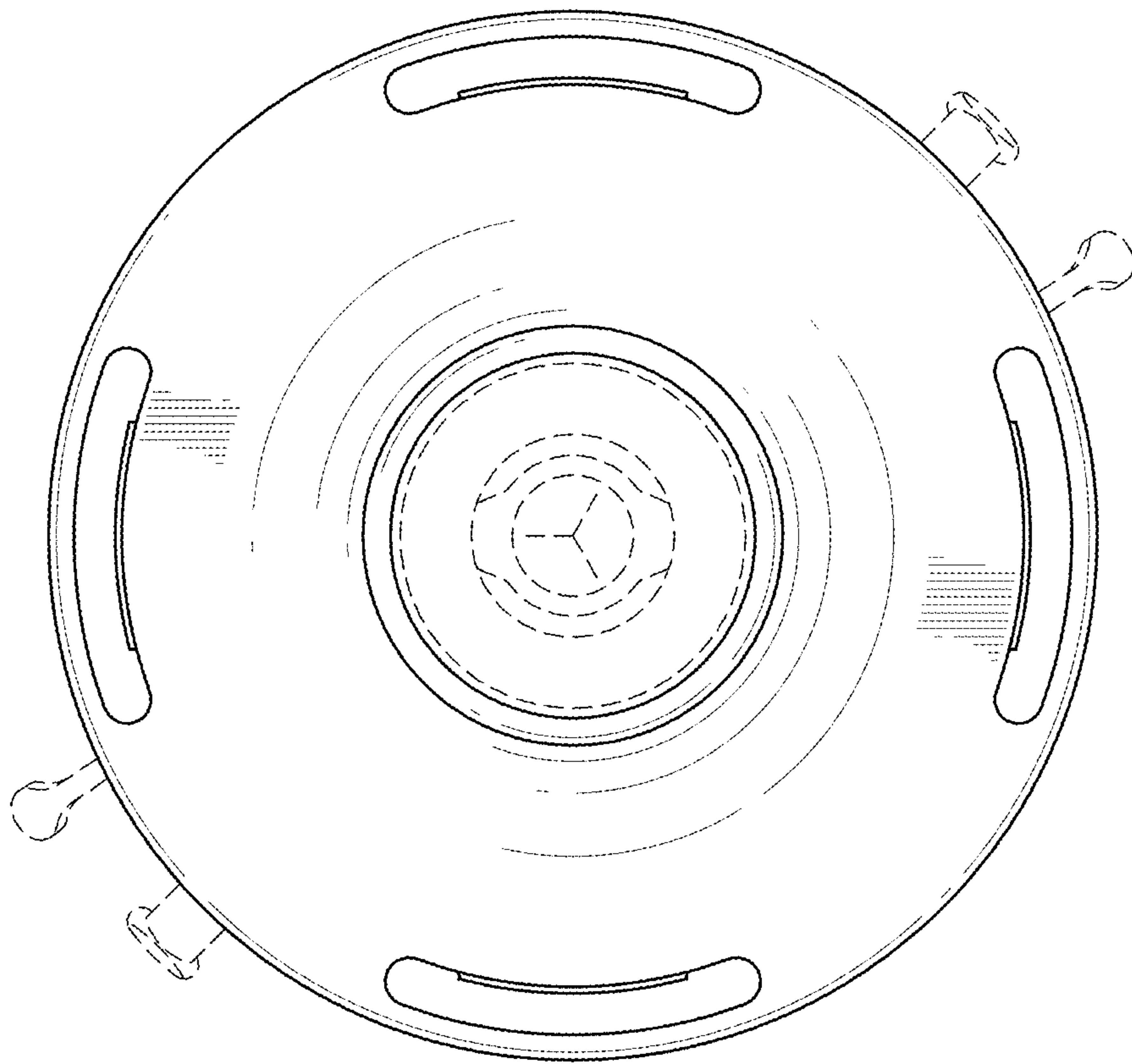


FIG.7