

US00D900973S

(12) **United States Design Patent**
Mitsuoka

(10) **Patent No.:** **US D900,973 S**

(45) **Date of Patent:** **** Nov. 3, 2020**

(54) **BALL VALVE**

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(72) Inventor: **Ryuji Mitsuoka**, Redmond, WA (US)

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

(21) Appl. No.: **29/702,706**

(22) Filed: **Aug. 21, 2019**

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/700,852, filed on Aug. 6, 2019, which is a continuation-in-part of application No. 29/696,405, filed on Jun. 27, 2019.

(51) **LOC (12) Cl.** **23-03**

(52) **U.S. Cl.**
USPC **D23/245**

(58) **Field of Classification Search**
USPC D23/223, 226, 233, 241, 245, 246, 250, 257, 249, 259, 262; 137/240, 412, 137/801; 251/148, 152, 309
CPC F16K 27/067; F16K 5/0647; F16K 15/183; F16K 31/60; F16K 27/0209; F16K 15/144; F16K 15/148; E21B 2200/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D602,565 S * 10/2009 Nimberger D23/233
D701,945 S * 4/2014 Mitsuoka D23/245

D701,946 S * 4/2014 Mitsuoka D23/245
D755,348 S * 5/2016 Mitsuoka D23/233
D812,194 S * 3/2018 Yamamoto D23/245
9,951,667 B2 * 4/2018 Mitsuoka F16K 277/067
D884,836 S * 5/2020 Yamamoto D23/245

* cited by examiner

Primary Examiner — Gino Colan

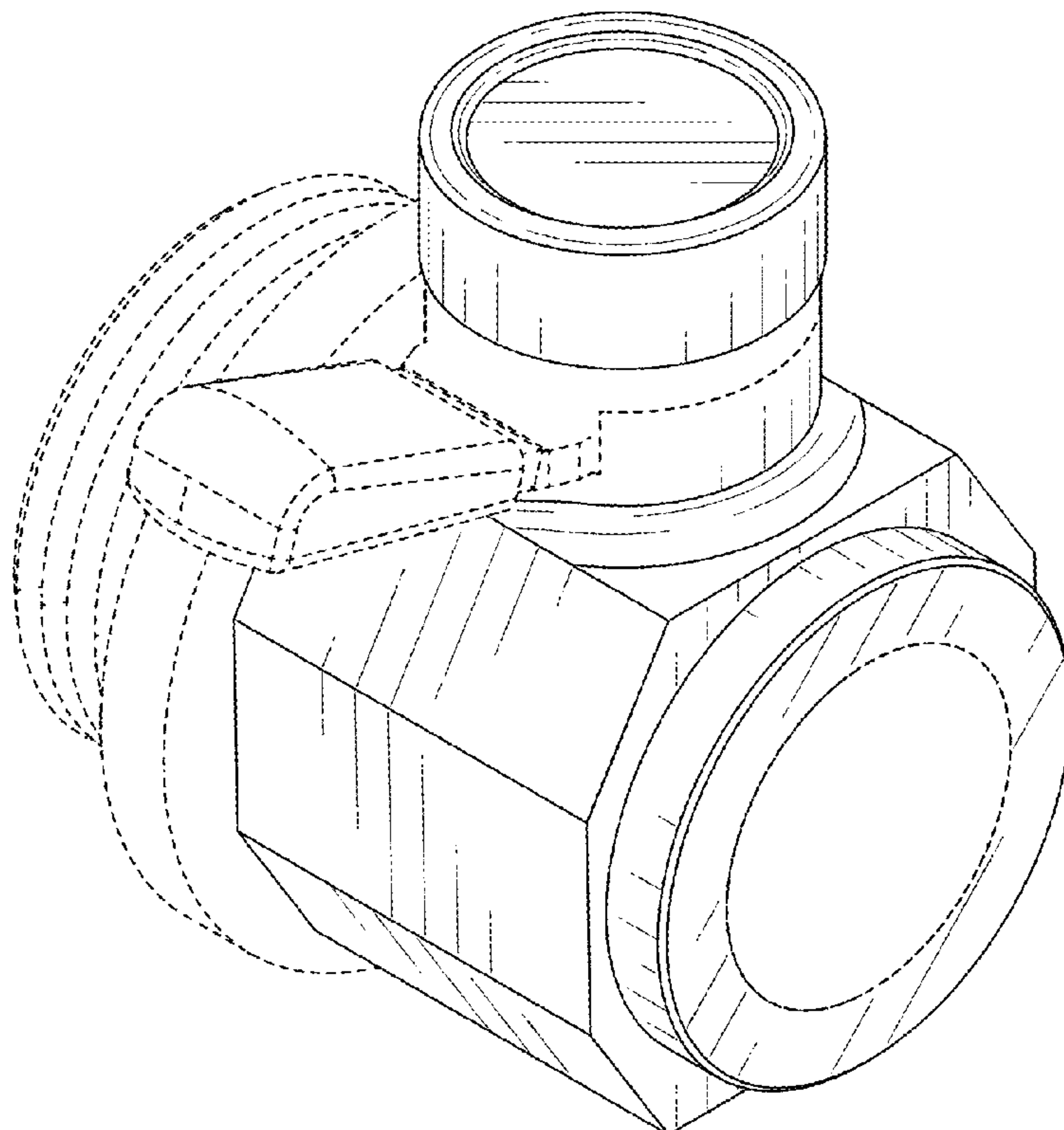
(57) **CLAIM**

The ornamental design for a ball valve, as shown and described.

DESCRIPTION

FIG. 1 is a front-top perspective view of a ball valve showing my new design;
FIG. 2 is a front-bottom perspective view thereof;
FIG. 3 is a rear-top perspective view thereof;
FIG. 4 is a rear-bottom perspective view thereof;
FIG. 5 is a front elevational view thereof;
FIG. 6 is a rear elevational view thereof;
FIG. 7 is a left elevational view thereof;
FIG. 8 is a right elevational view thereof;
FIG. 9 is a top plan view thereof; and,
FIG. 10 is a bottom plan view thereof.
The broken lines shown in the figures are included for the purpose of illustrating portions of the ball valve and form no part of the claimed design.

1 Claim, 10 Drawing Sheets



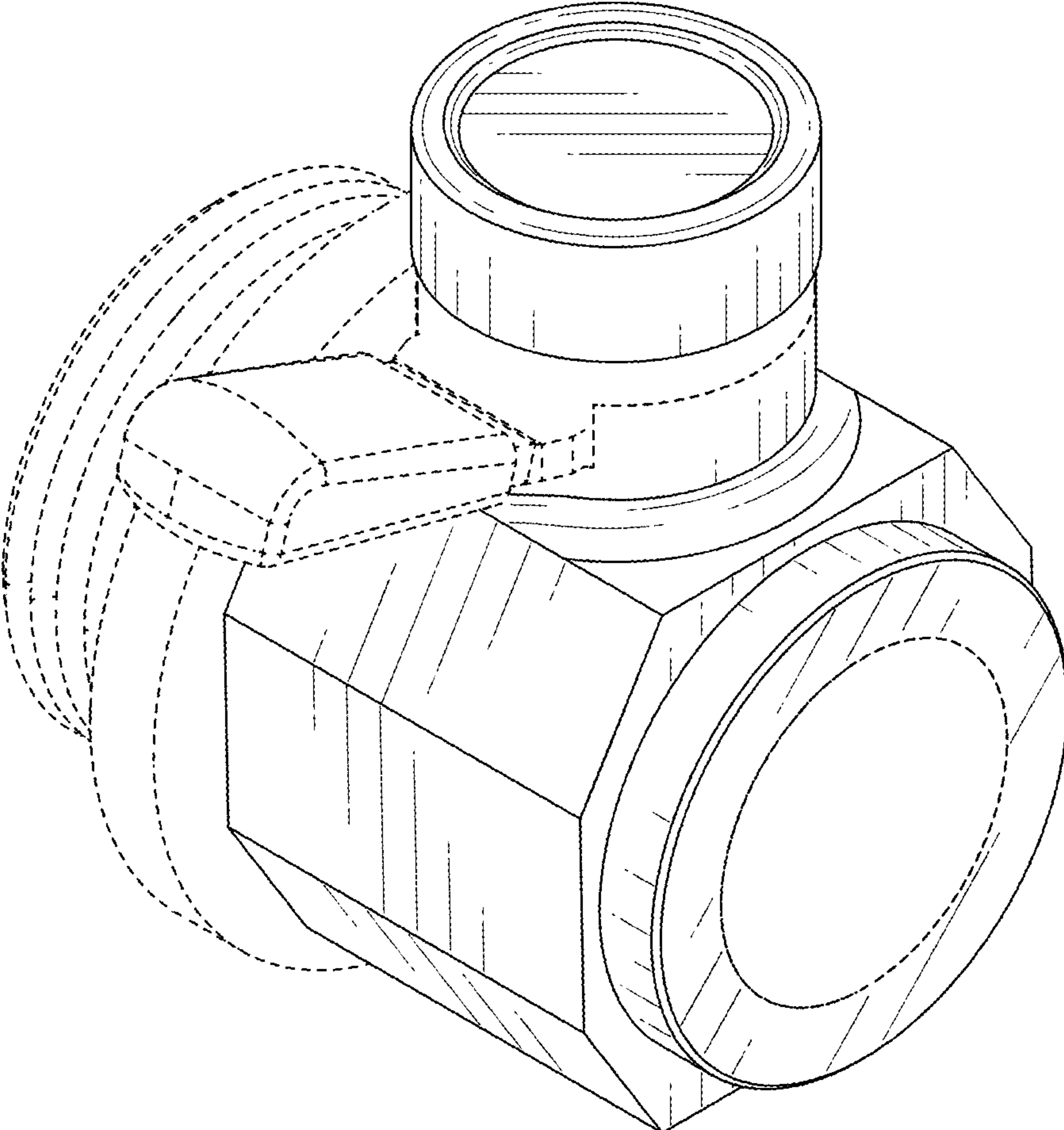


FIG. 1

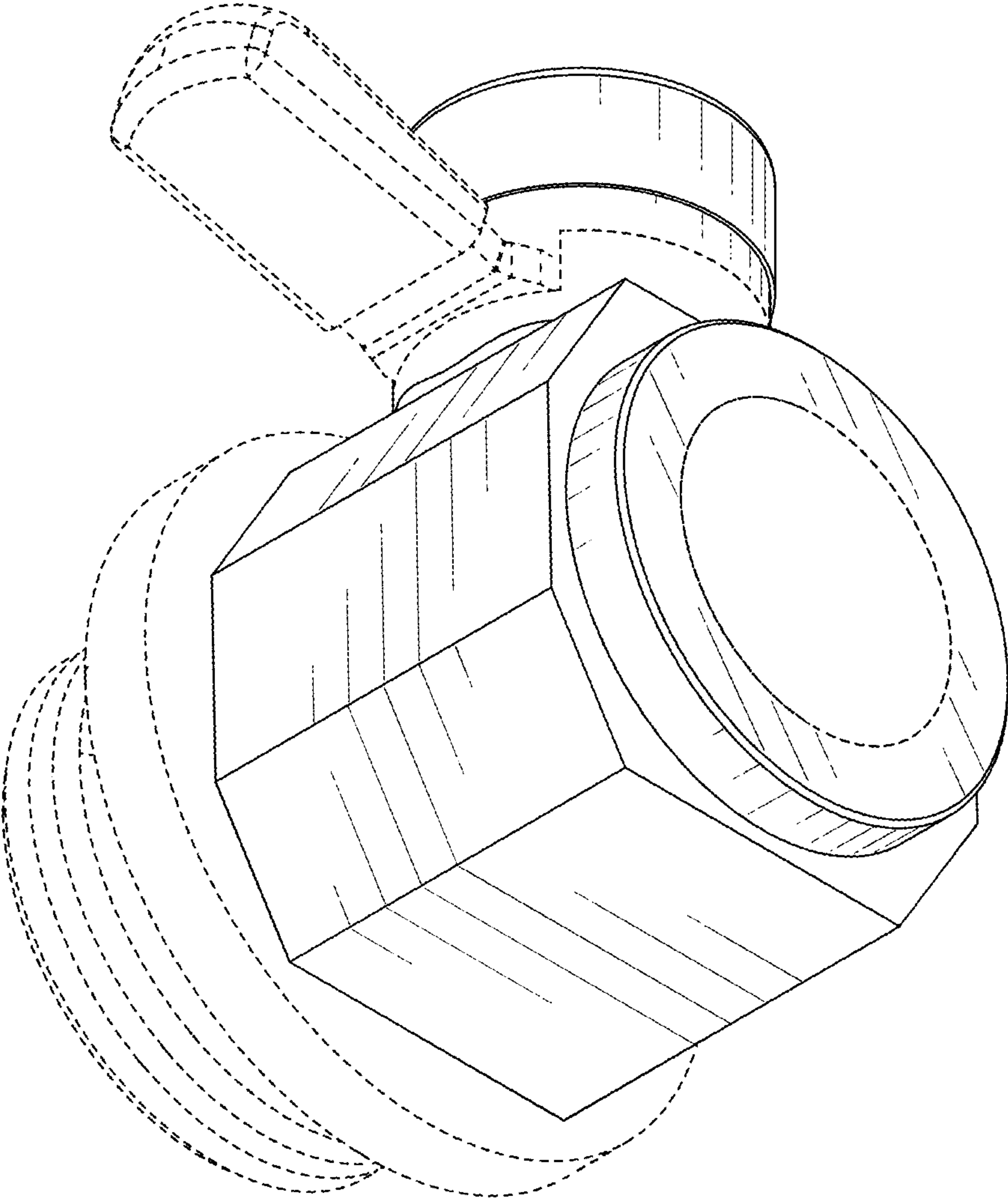


FIG. 2

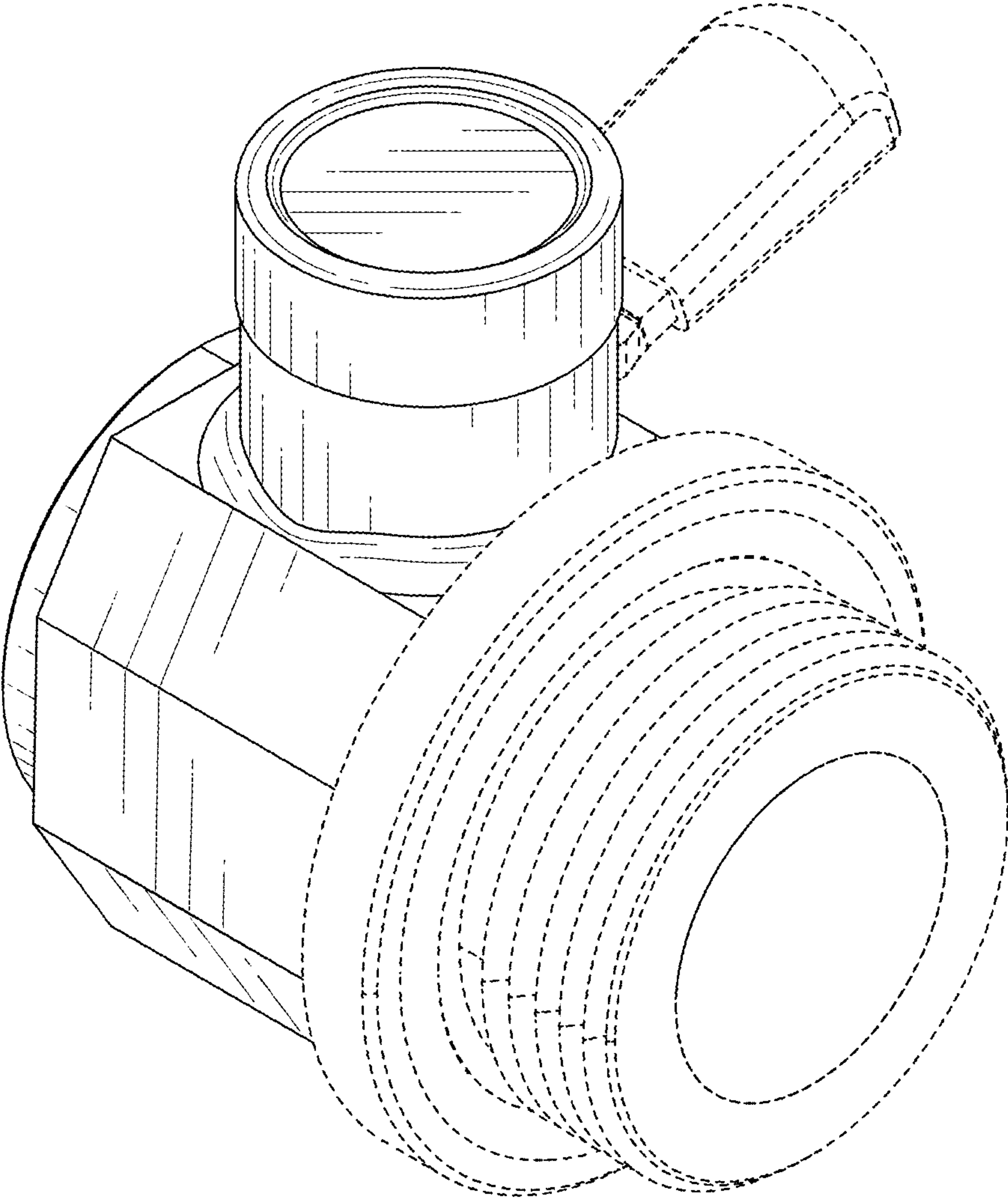


FIG. 3

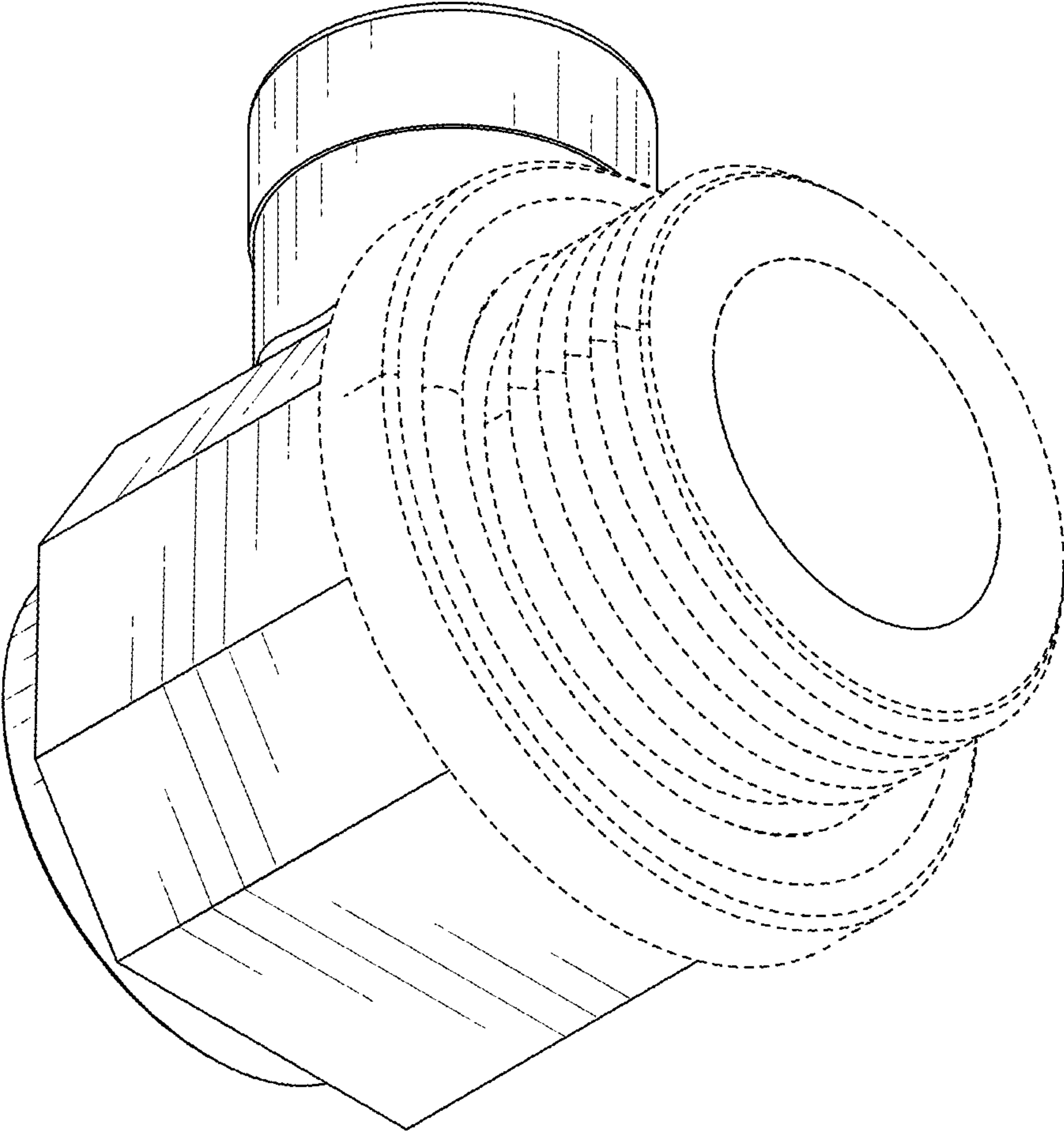


FIG. 4

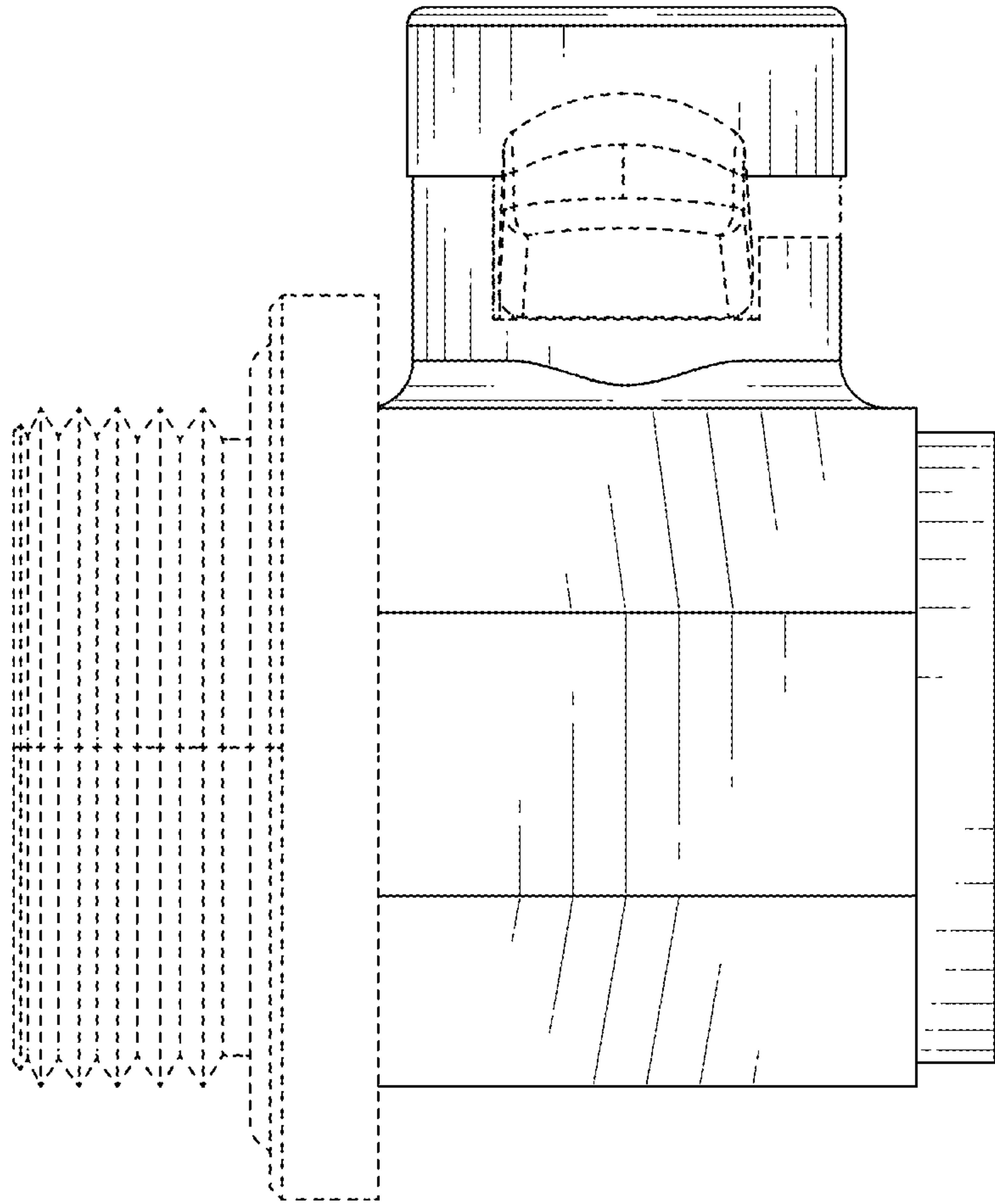


FIG. 5

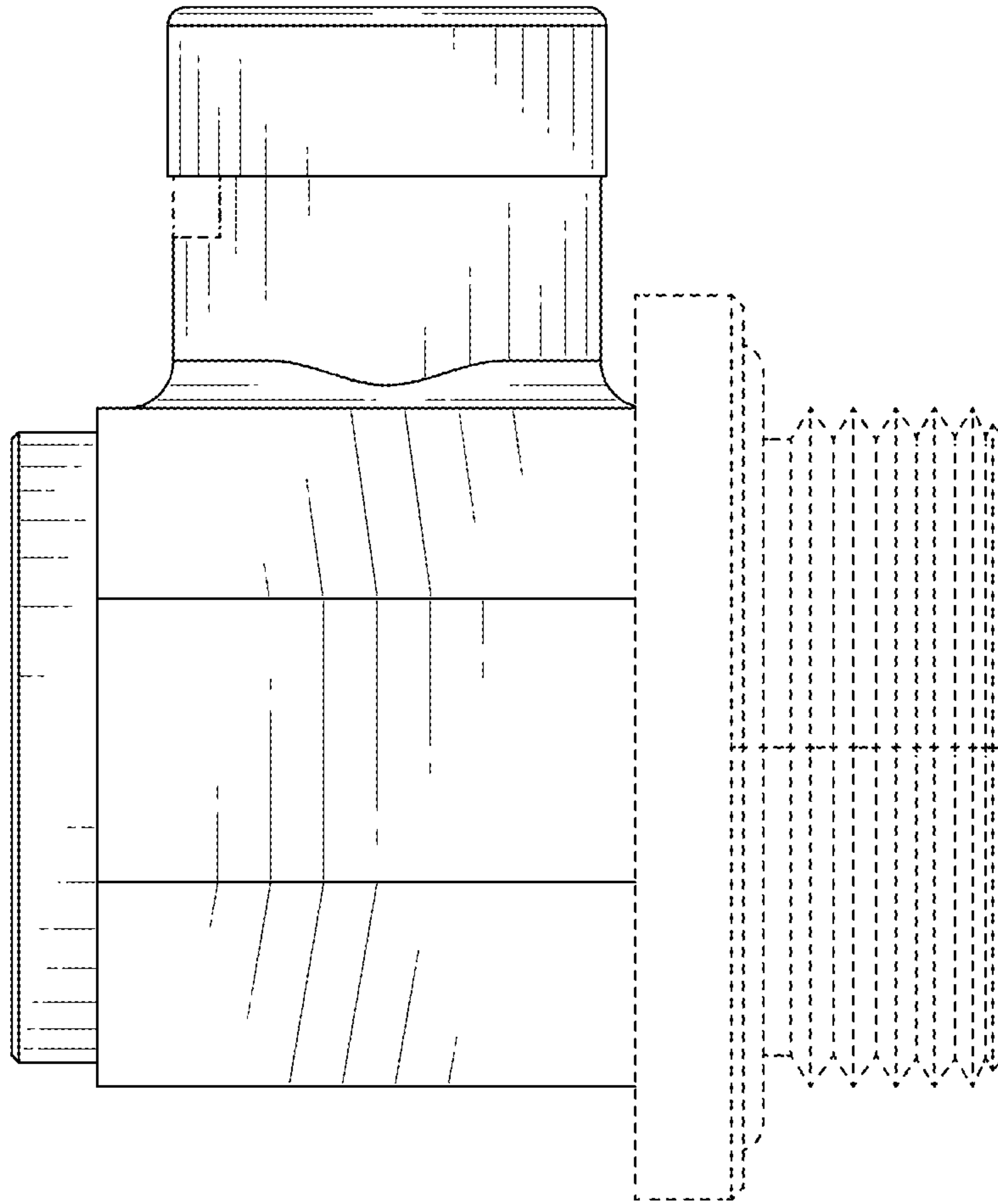


FIG. 6

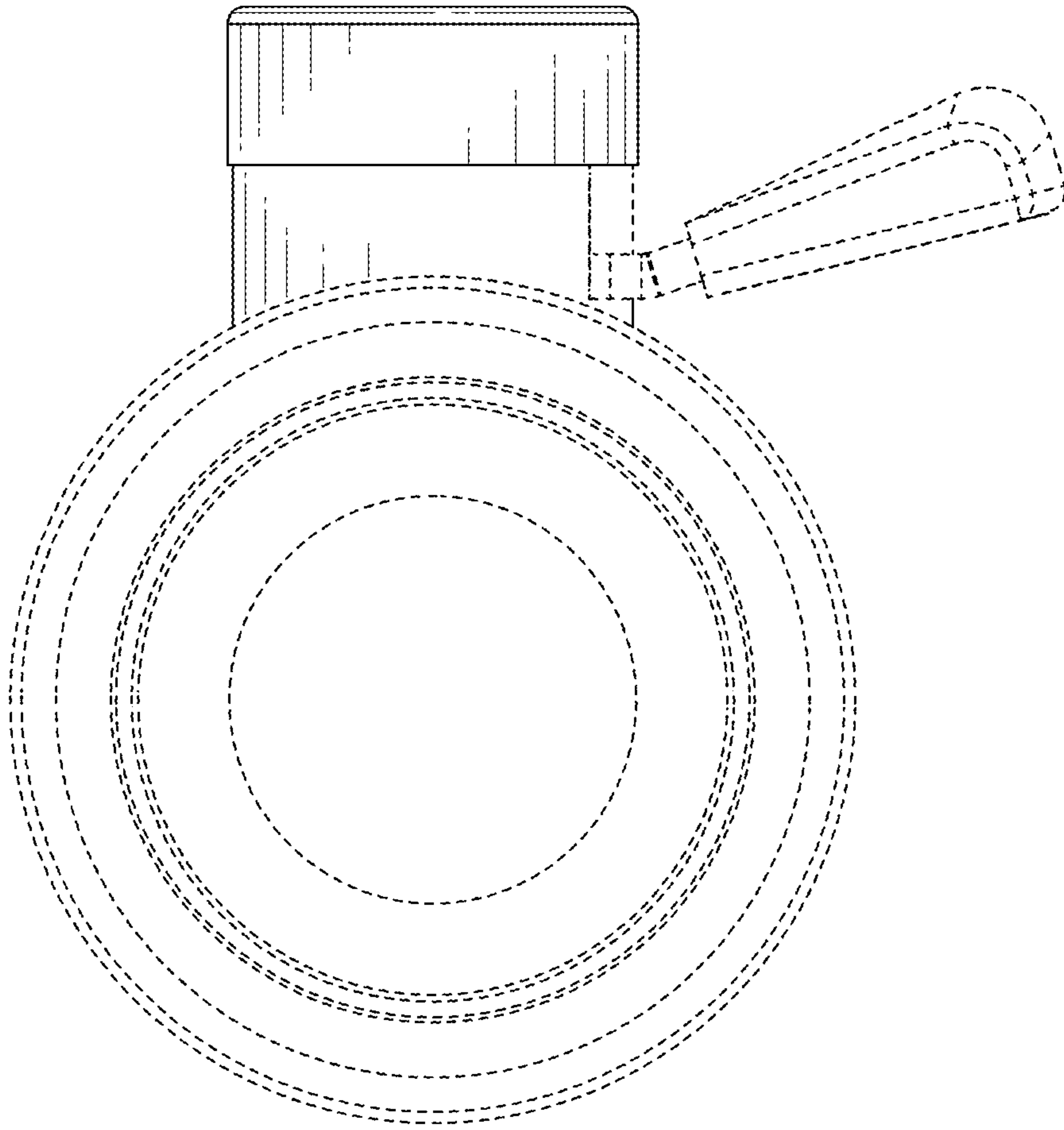


FIG. 7

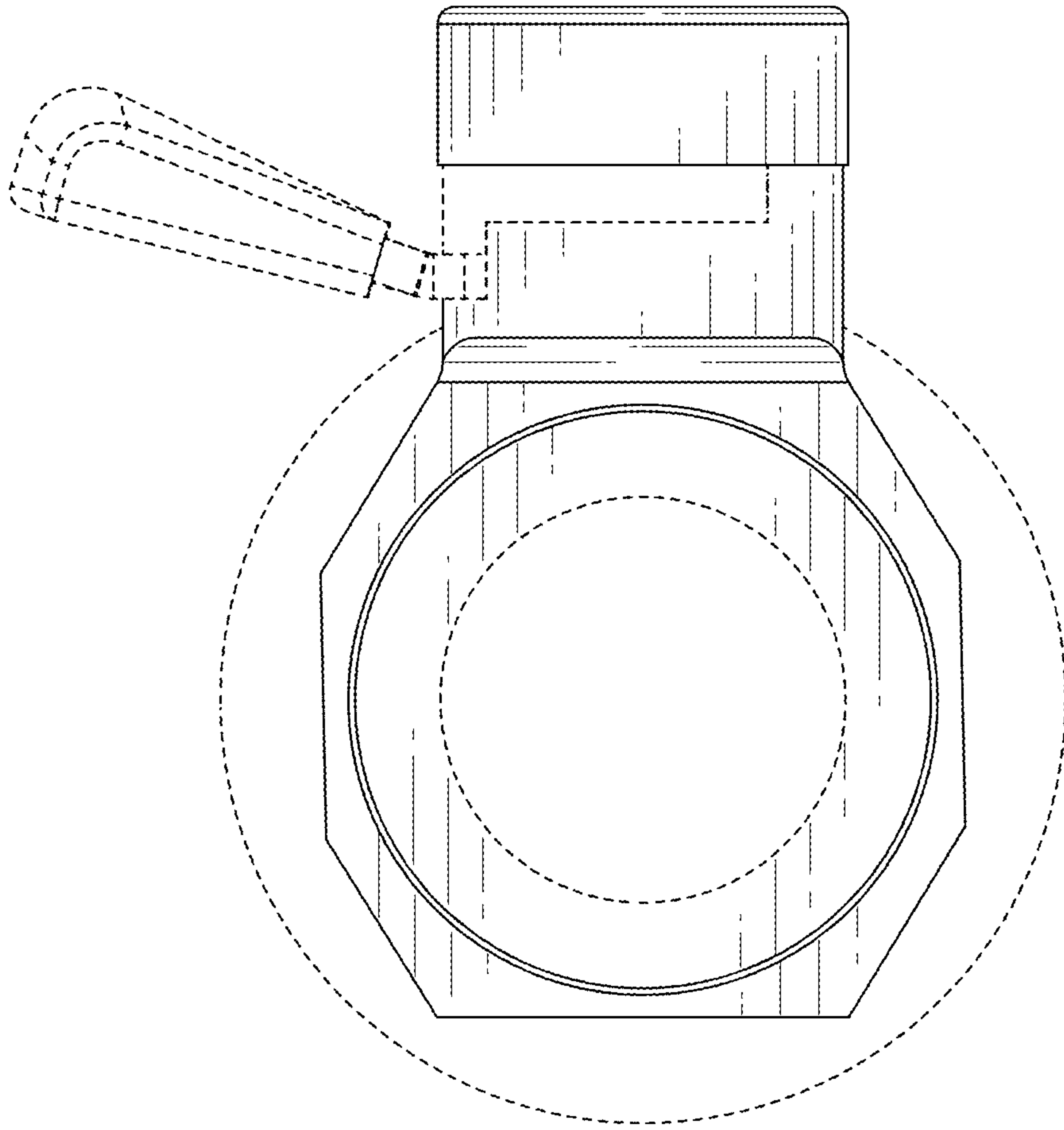


FIG. 8

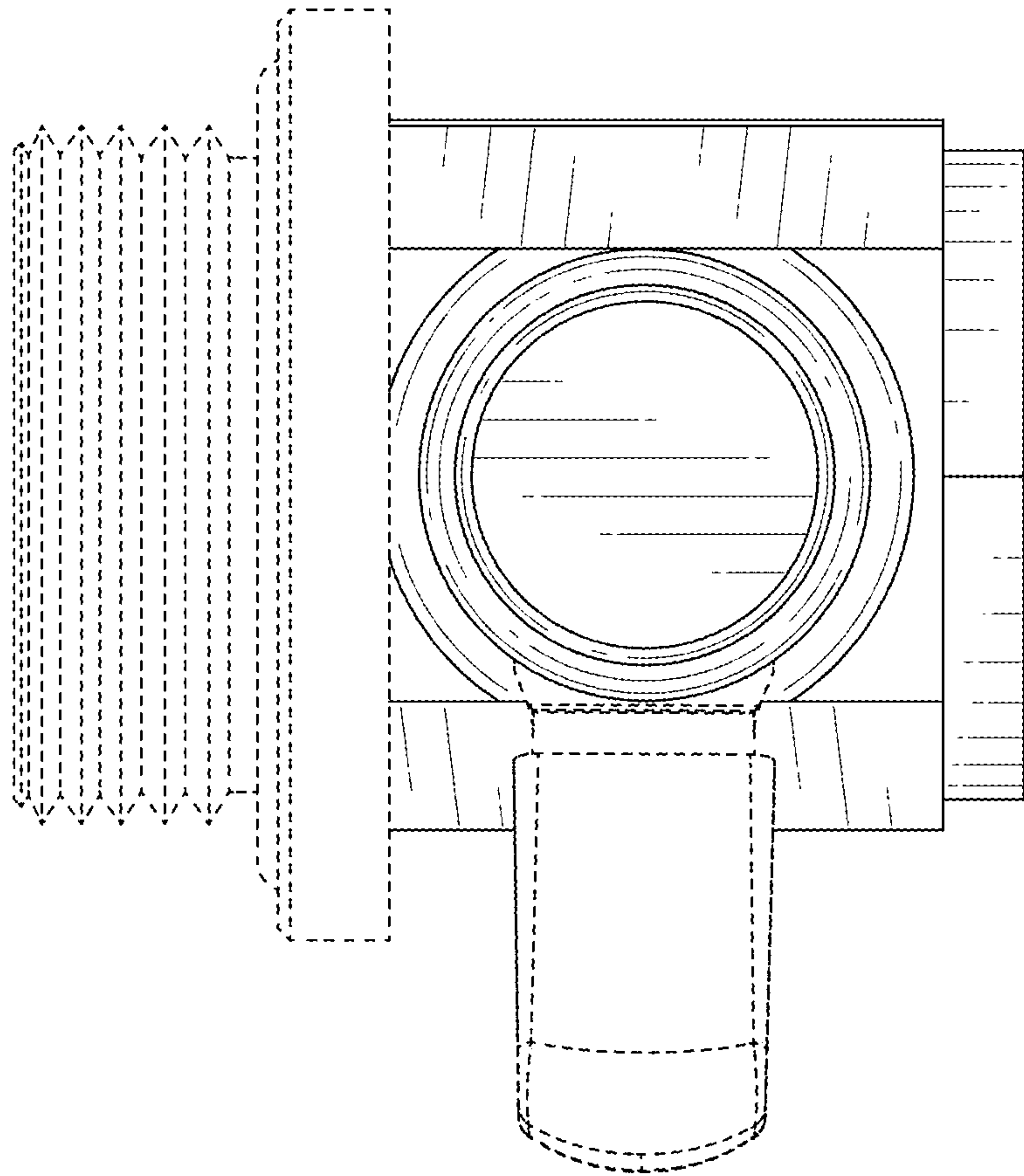


FIG. 9

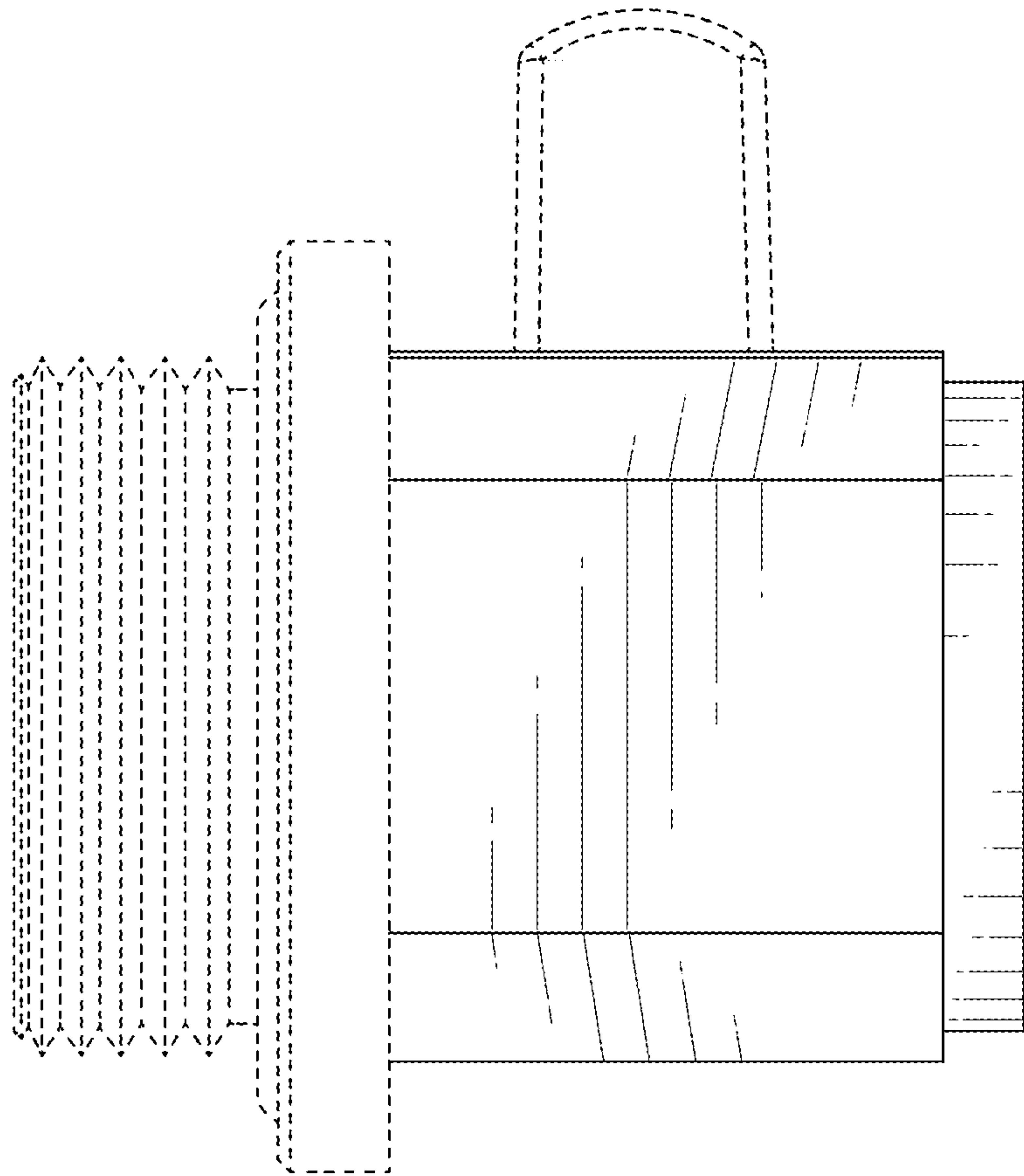


FIG. 10