



US00D985099S

(12) **United States Design Patent** (10) **Patent No.:** **US D985,099 S**
Yamada et al. (45) **Date of Patent:** **** May 2, 2023**

(54) **FLOW CONTROL VALVE**

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Kenji Shishido, Tsukubamirai (JP);
Takahiro Ueyama, Tsukubamirai (JP)
(73) Assignee: **SMC CORPORATION**, Tokyo (JP)
(**) Term: **15 Years**

(21) Appl. No.: **29/737,956**

(22) Filed: **Jun. 12, 2020**

(30) **Foreign Application Priority Data**

Dec. 13, 2019 (CN) 201930697167.1

(51) **LOC (14) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/235**

(58) **Field of Classification Search**
USPC D23/233, 235, 245, 249, 226, 229, 248,
D23/257, 263, 421

(Continued)

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Primary Examiner — Gino Colan

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch
& Birch, LLP

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front, top and left side perspective view of a flow
control valve showing a first embodiment of our new design;

FIG. 2 is a rear, bottom and right side perspective view
thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a left side view thereof;

FIG. 8 is a right side view thereof;

FIG. 9 is a front, top and left side perspective view of a flow
control valve showing a second embodiment of our new
design;

FIG. 10 is a rear, bottom and right side perspective view of
FIG. 9;

FIG. 11 is a front view of FIG. 9;

FIG. 12 is a rear view of FIG. 9;

FIG. 13 is a top plan view of FIG. 9;

FIG. 14 is a bottom plan view of FIG. 9;

FIG. 15 is a left side view of FIG. 9;

FIG. 16 is a right side view of FIG. 9;

FIG. 17 is a front, top and left side perspective view of a flow
control valve showing a third embodiment of our new
design;

FIG. 18 is a rear, bottom and right side perspective view of
FIG. 17;

FIG. 19 is a front view of FIG. 17;

FIG. 20 is a rear view of FIG. 17;

FIG. 21 is a top plan view of FIG. 17;

FIG. 22 is a bottom plan view of FIG. 17;

FIG. 23 is a left side view of FIG. 17;

FIG. 24 is a right side view of FIG. 17;

FIG. 25 is a front, top and left side perspective view of a flow
control valve showing a fourth embodiment of our new
design;

FIG. 26 is a rear, bottom and right side perspective view of
FIG. 25;

FIG. 27 is a front view of FIG. 25;

FIG. 28 is a rear view of FIG. 25;

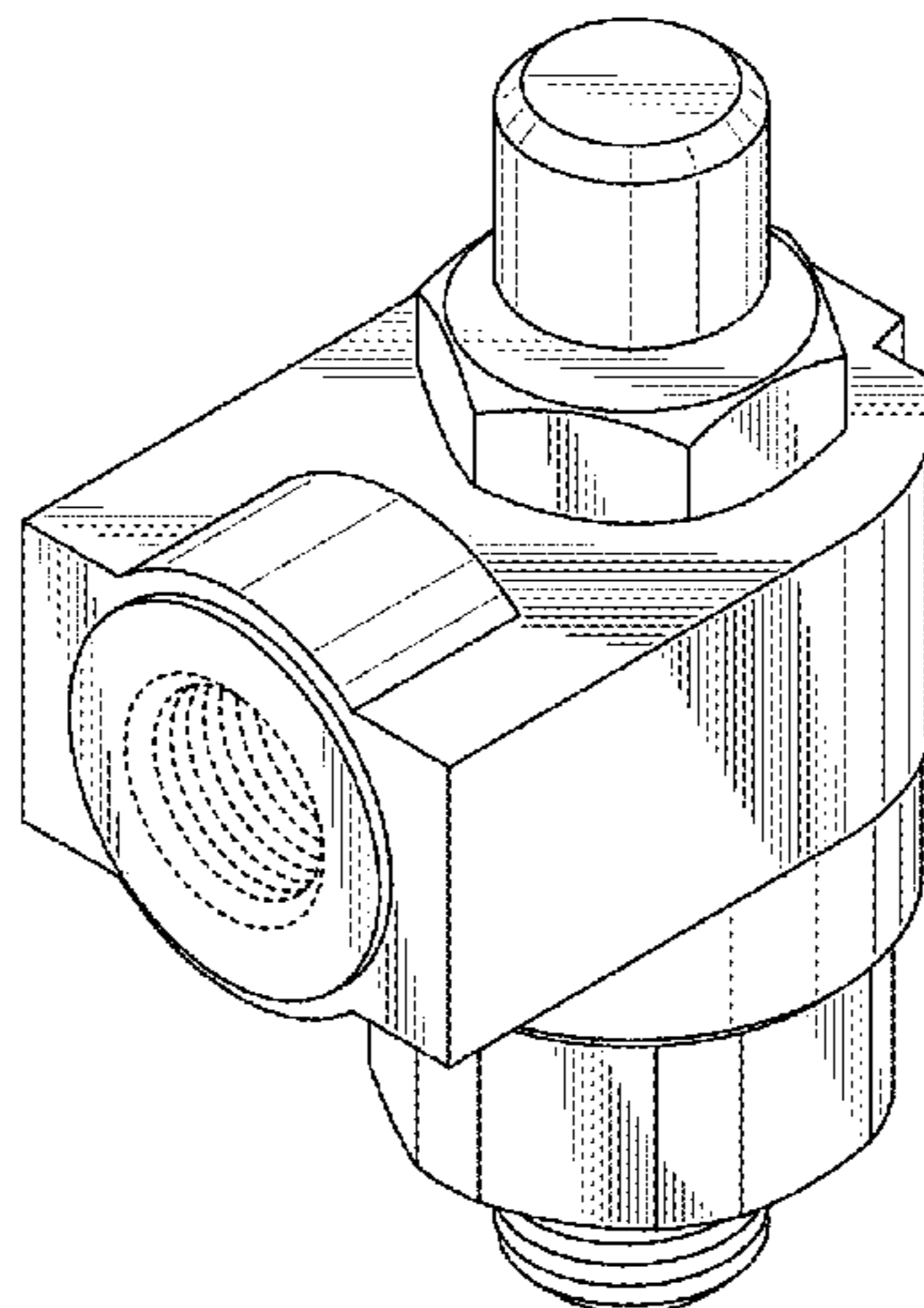
FIG. 29 is a top plan view of FIG. 25;

FIG. 30 is a bottom plan view of FIG. 25;

FIG. 31 is a left side view of FIG. 25; and,

FIG. 32 is a right side view of FIG. 25.

(Continued)



The broken lines depict portions of the flow control valve that form no part of the claimed design.

1 Claim, 32 Drawing Sheets

(58) Field of Classification Search

CPC F16K 1/32; F16K 5/10; F16K 7/07

See application file for complete search history.

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* cited by examiner

FIG. 1

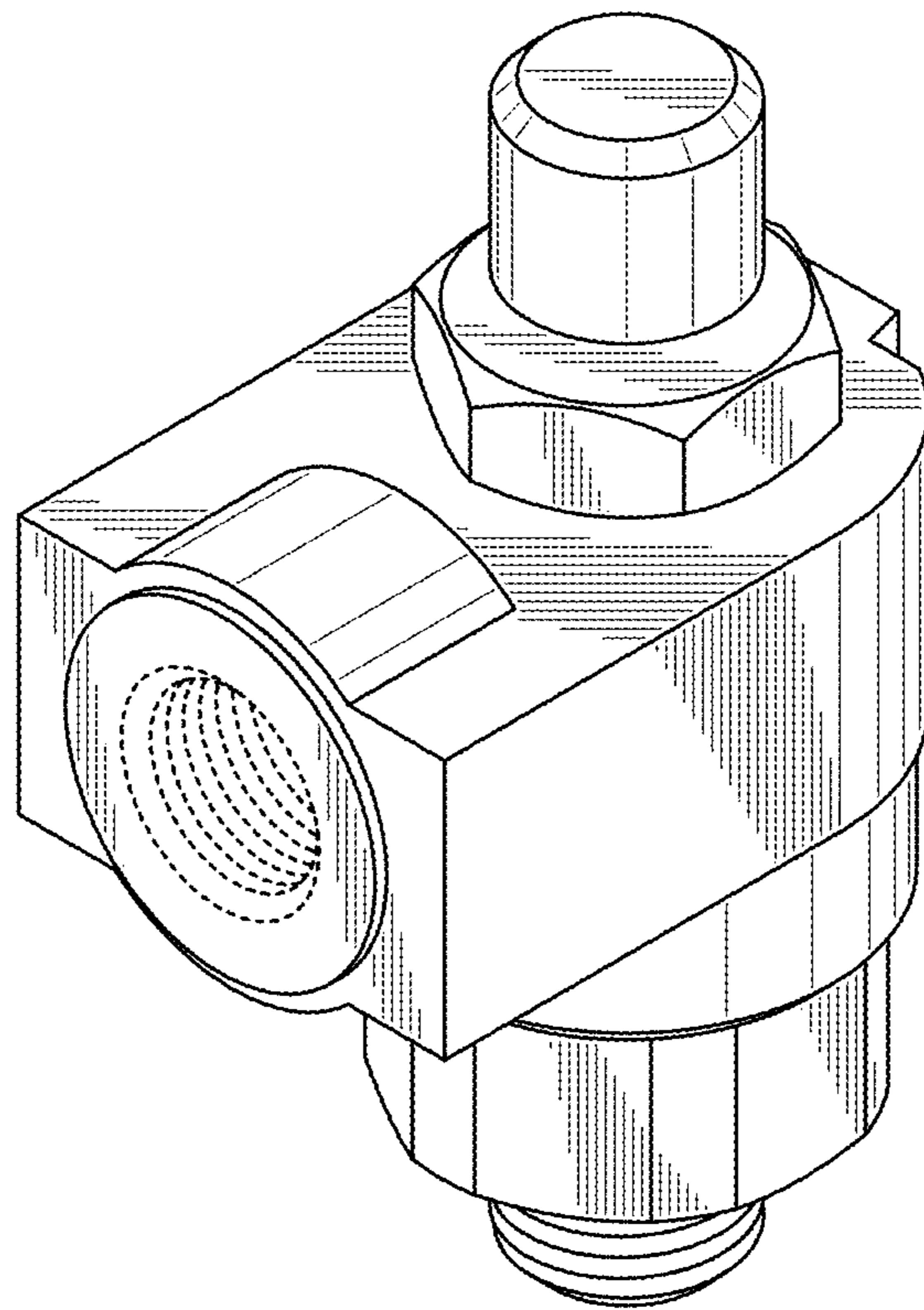


FIG. 2

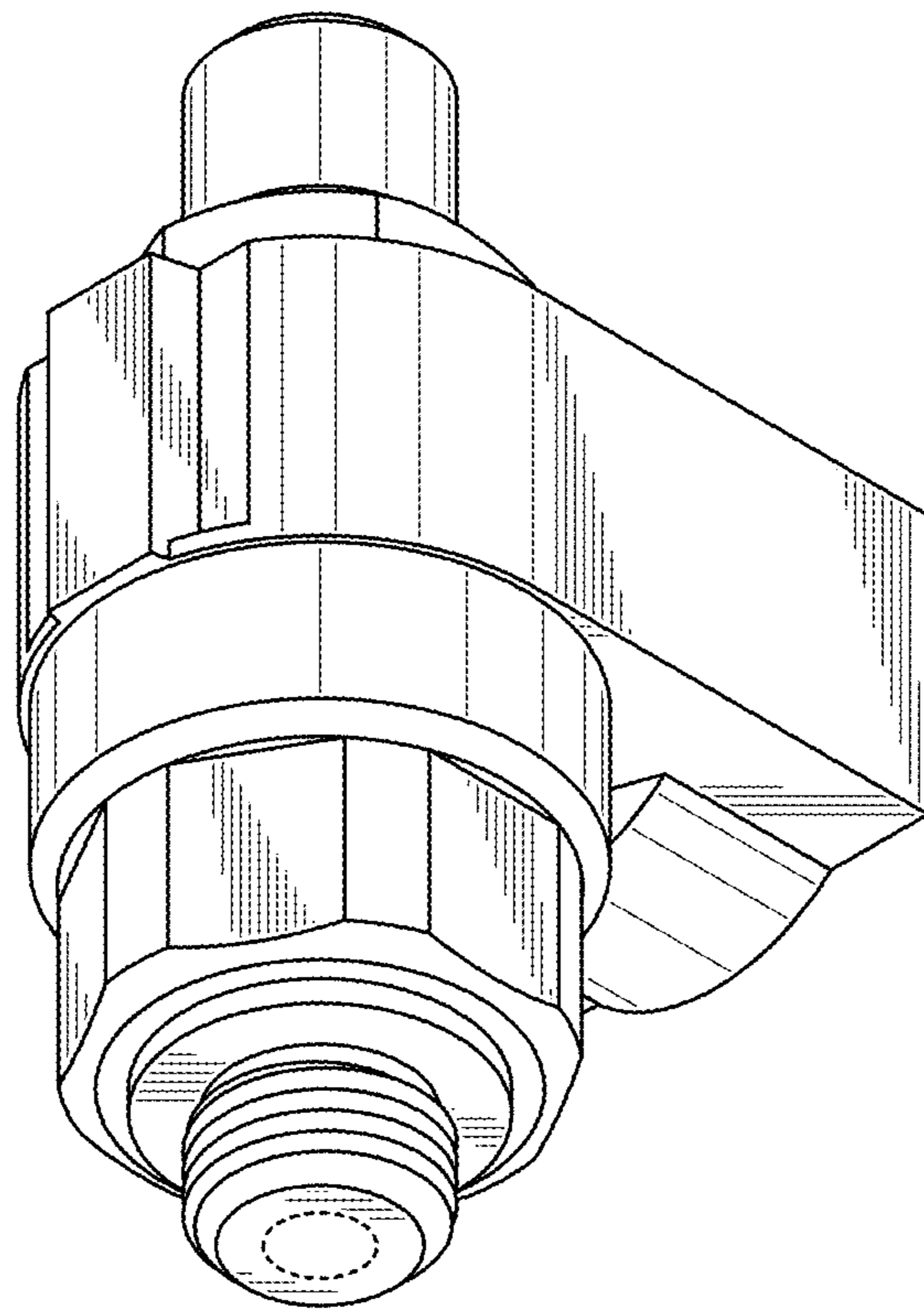


FIG. 3

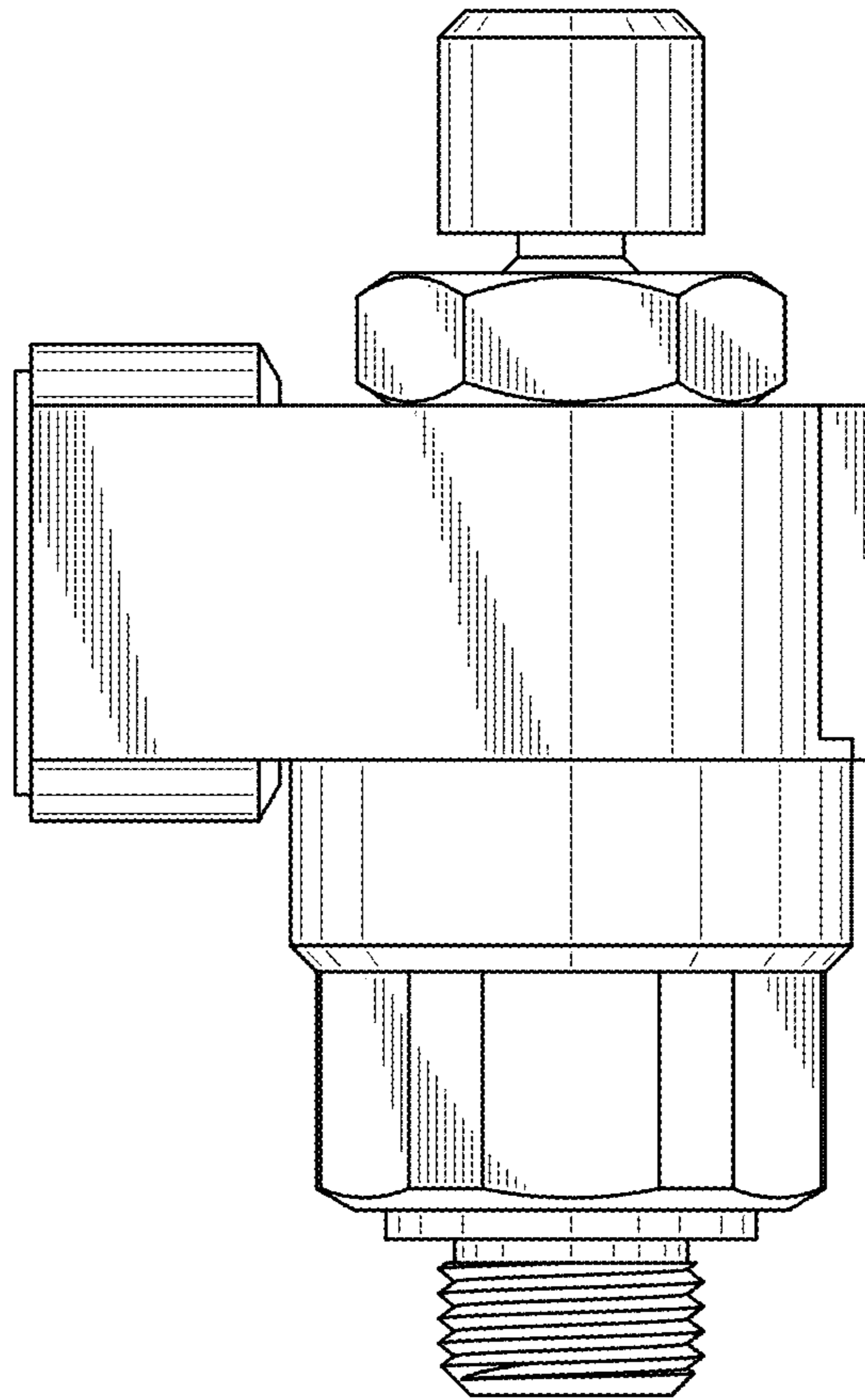


FIG. 4

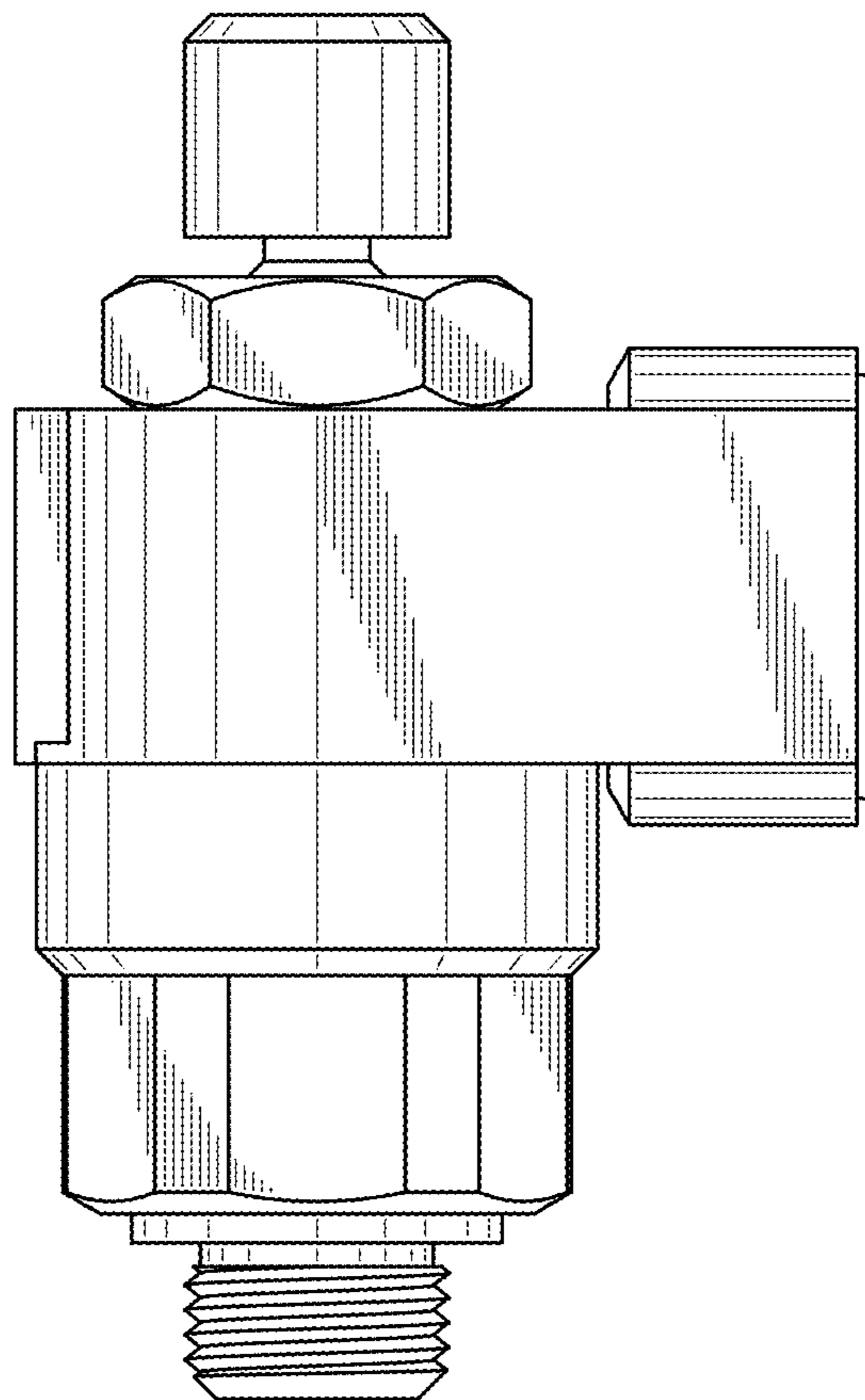


FIG. 5

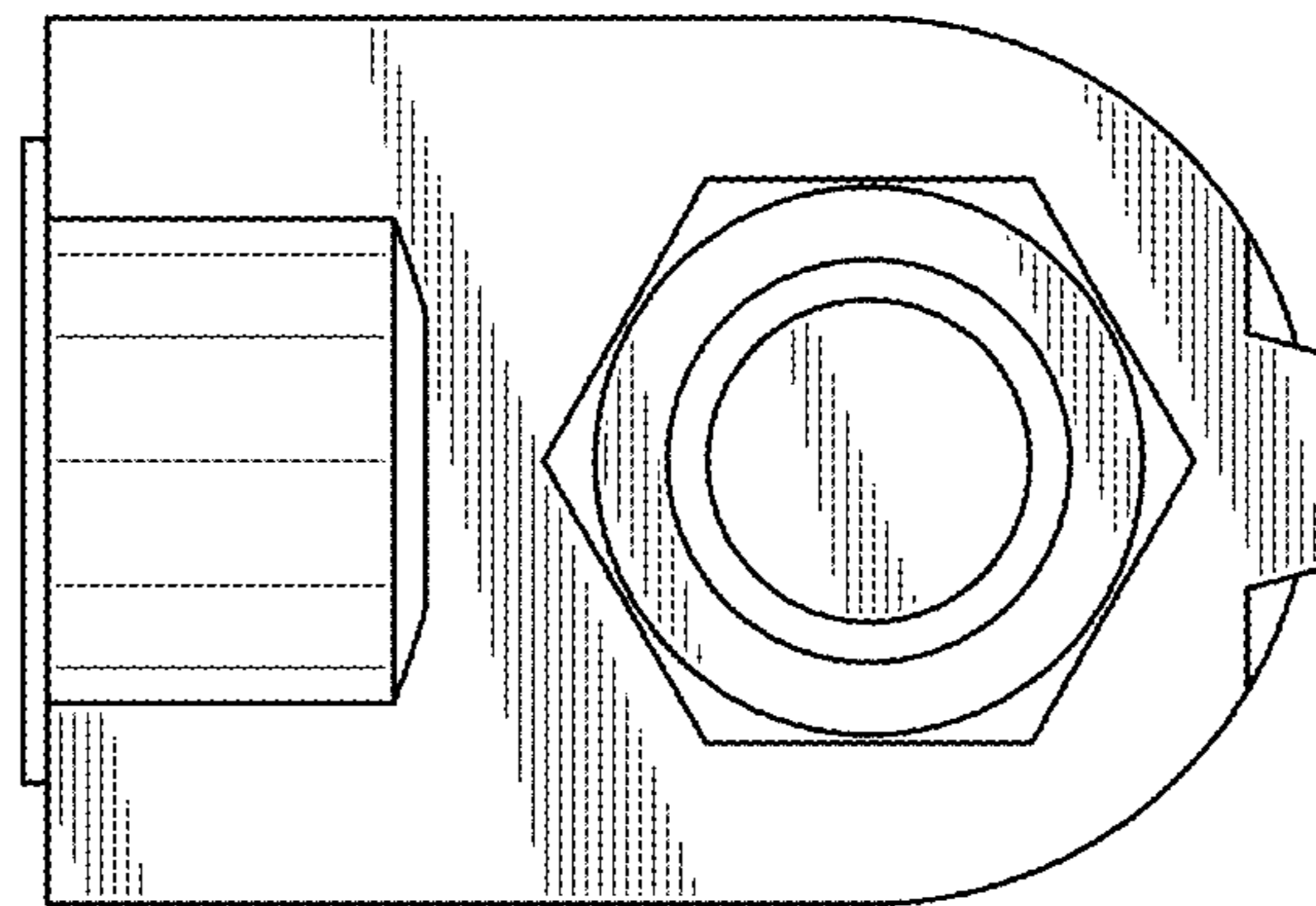


FIG. 6

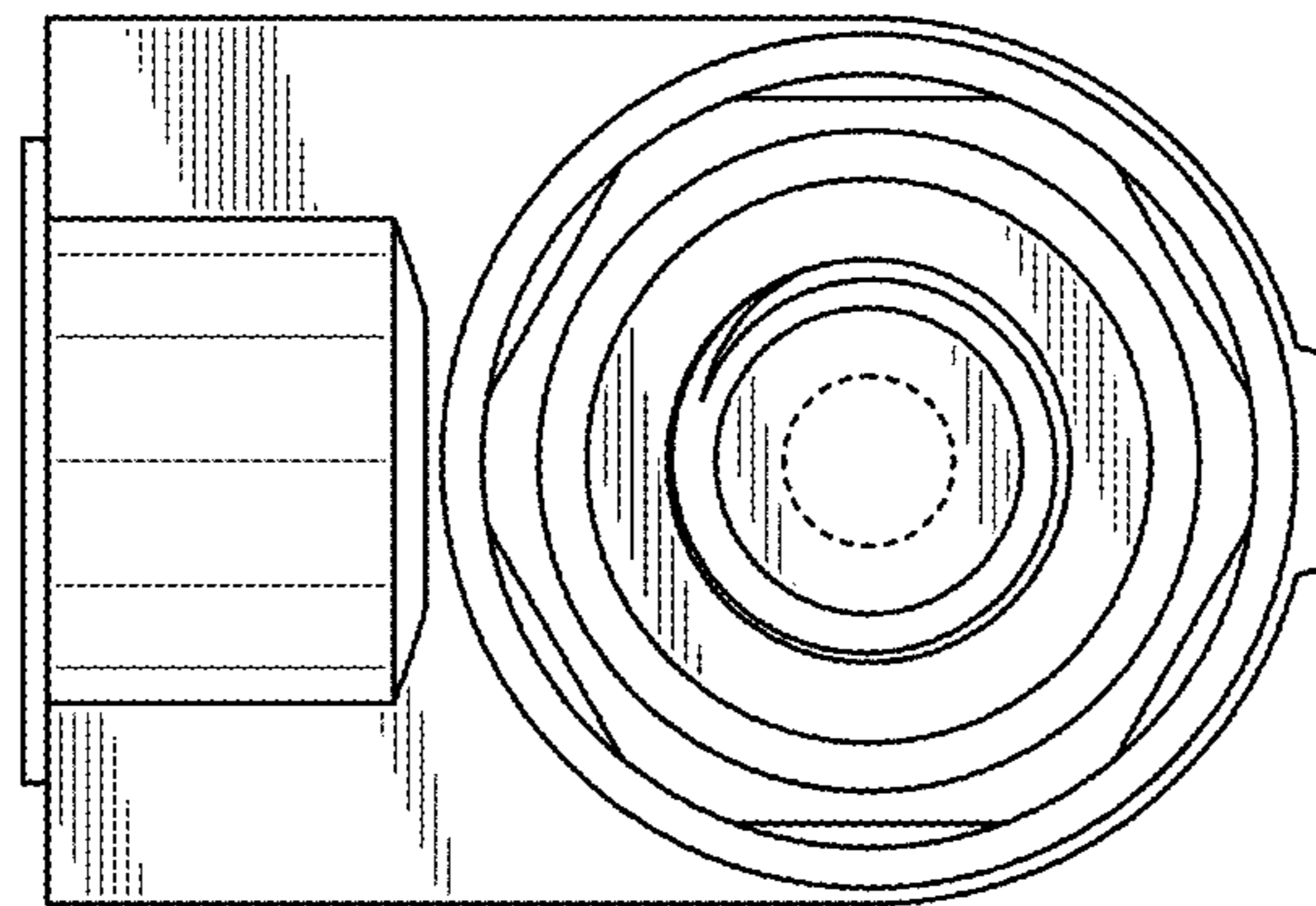


FIG. 7

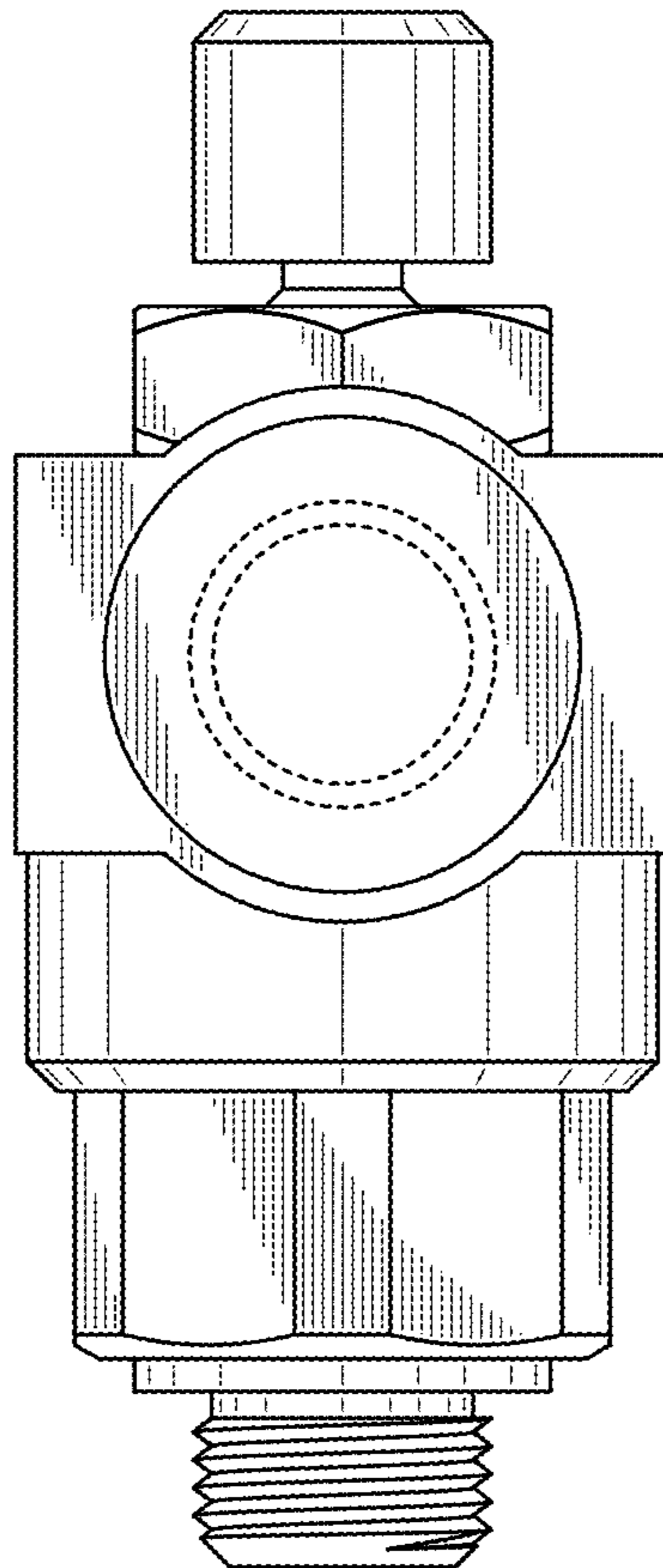


FIG. 8

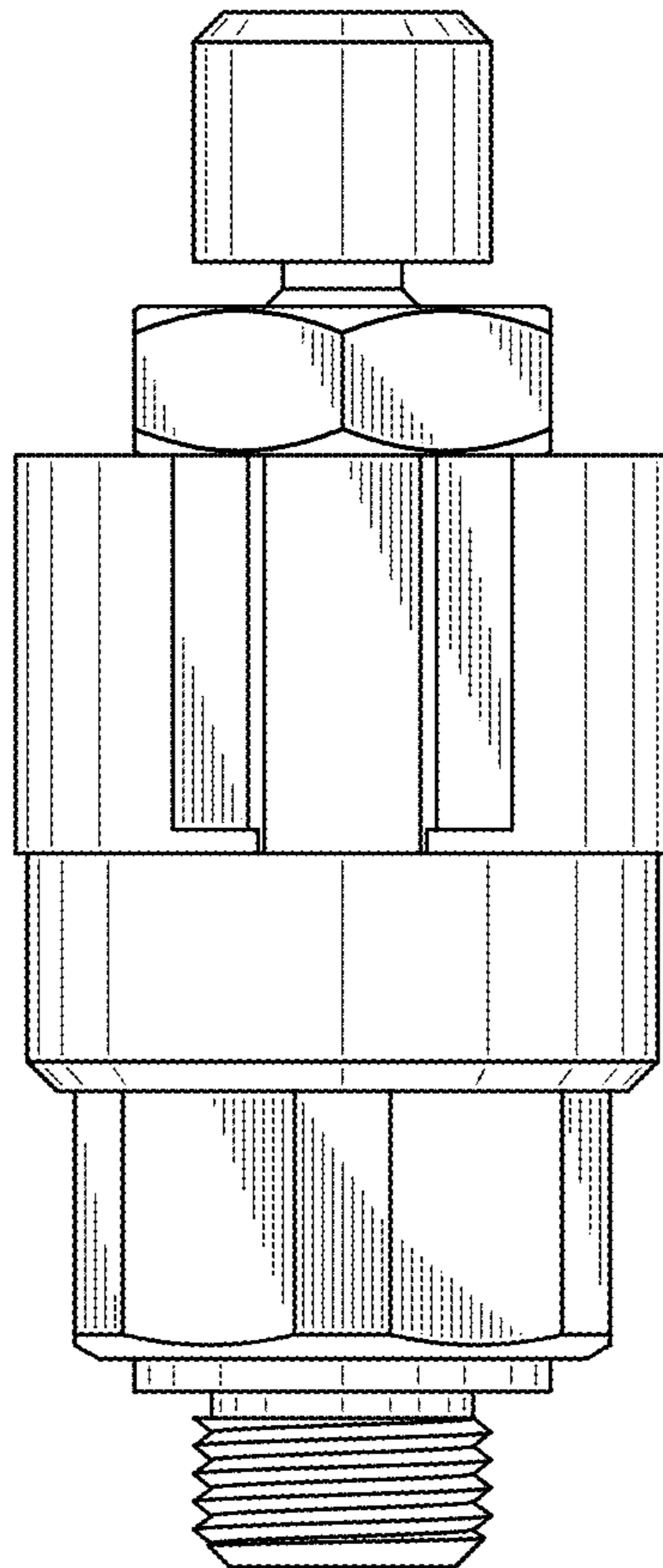


FIG. 9

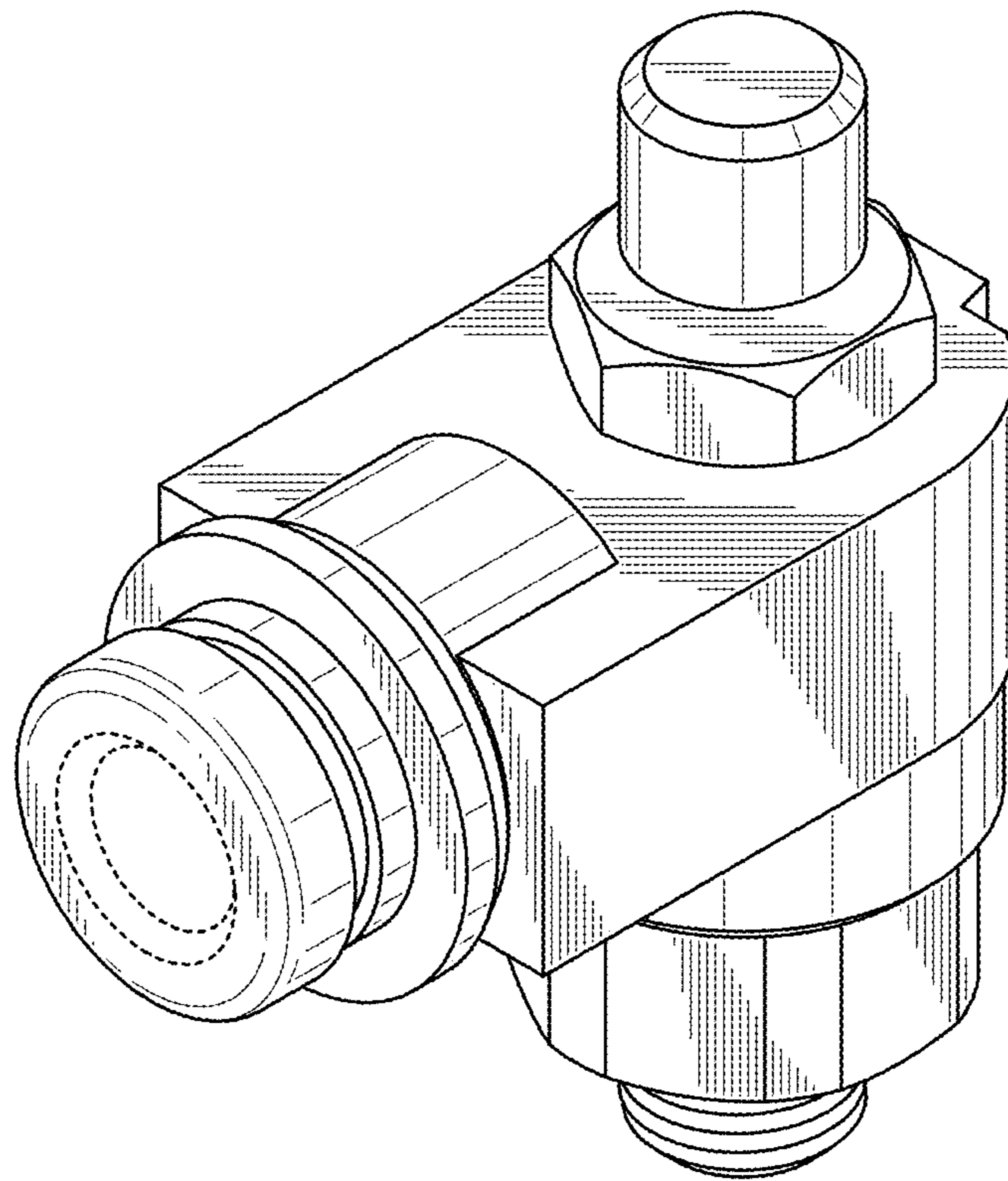


FIG. 10

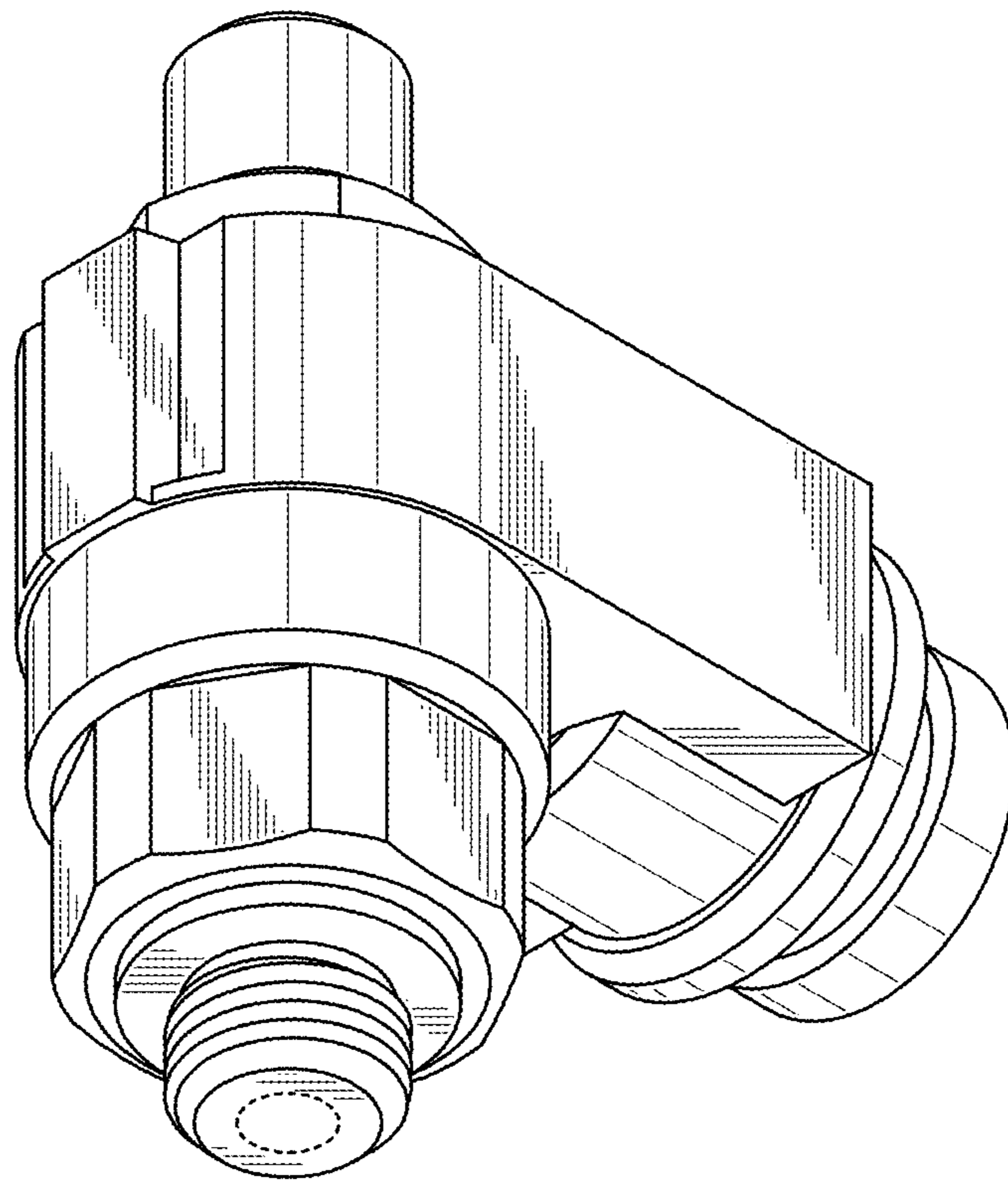


FIG. 11

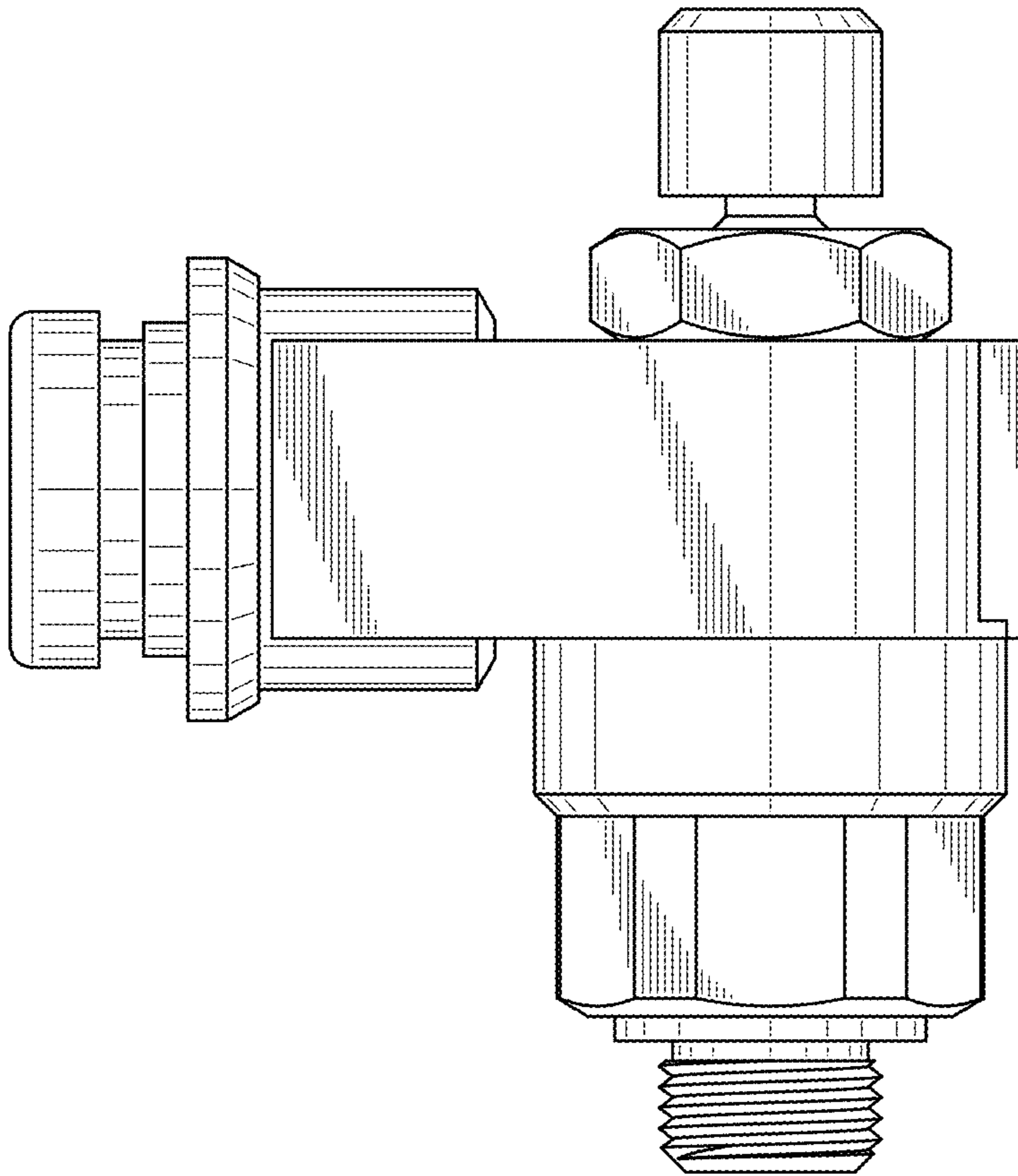


FIG. 12

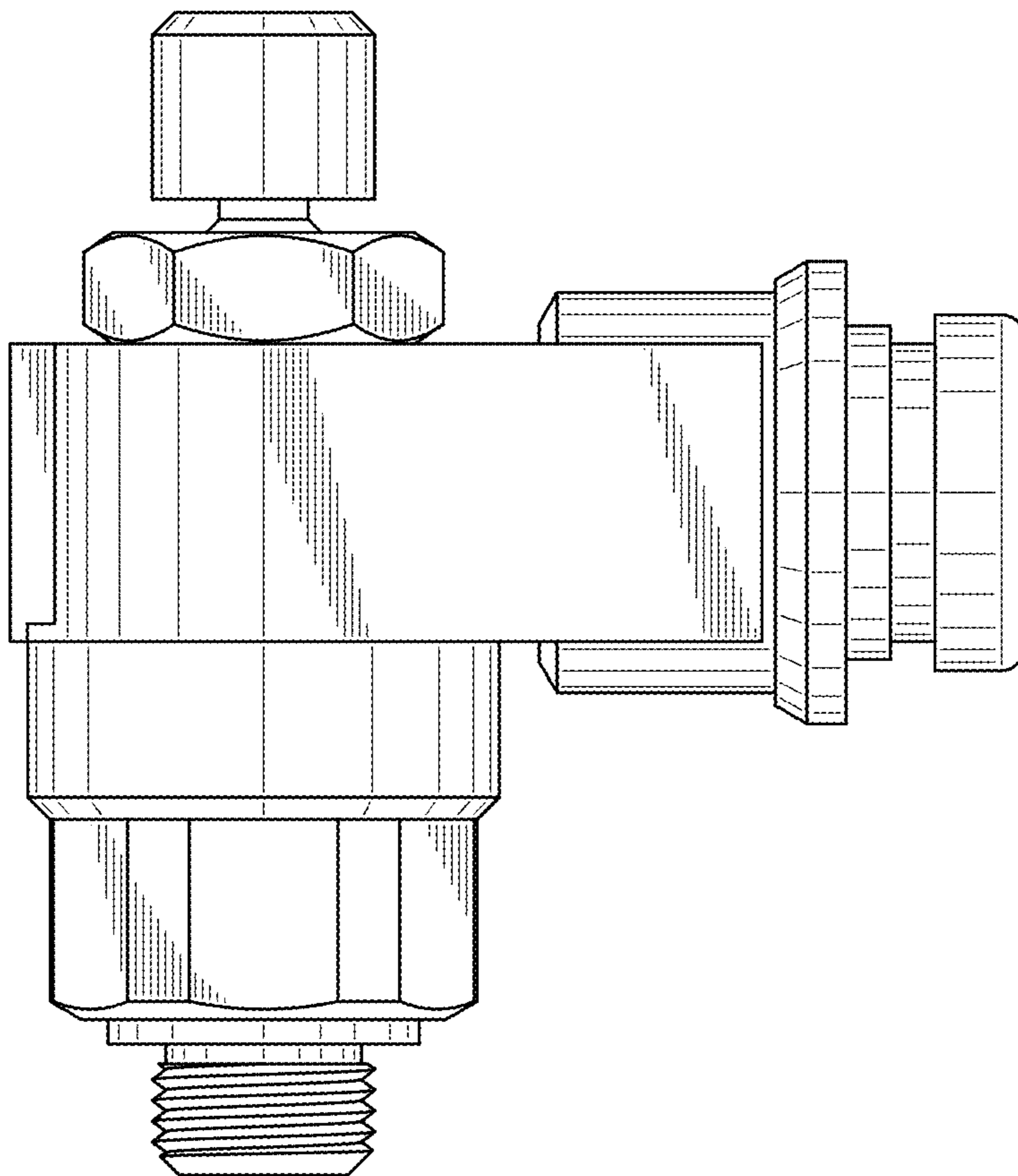


FIG. 13

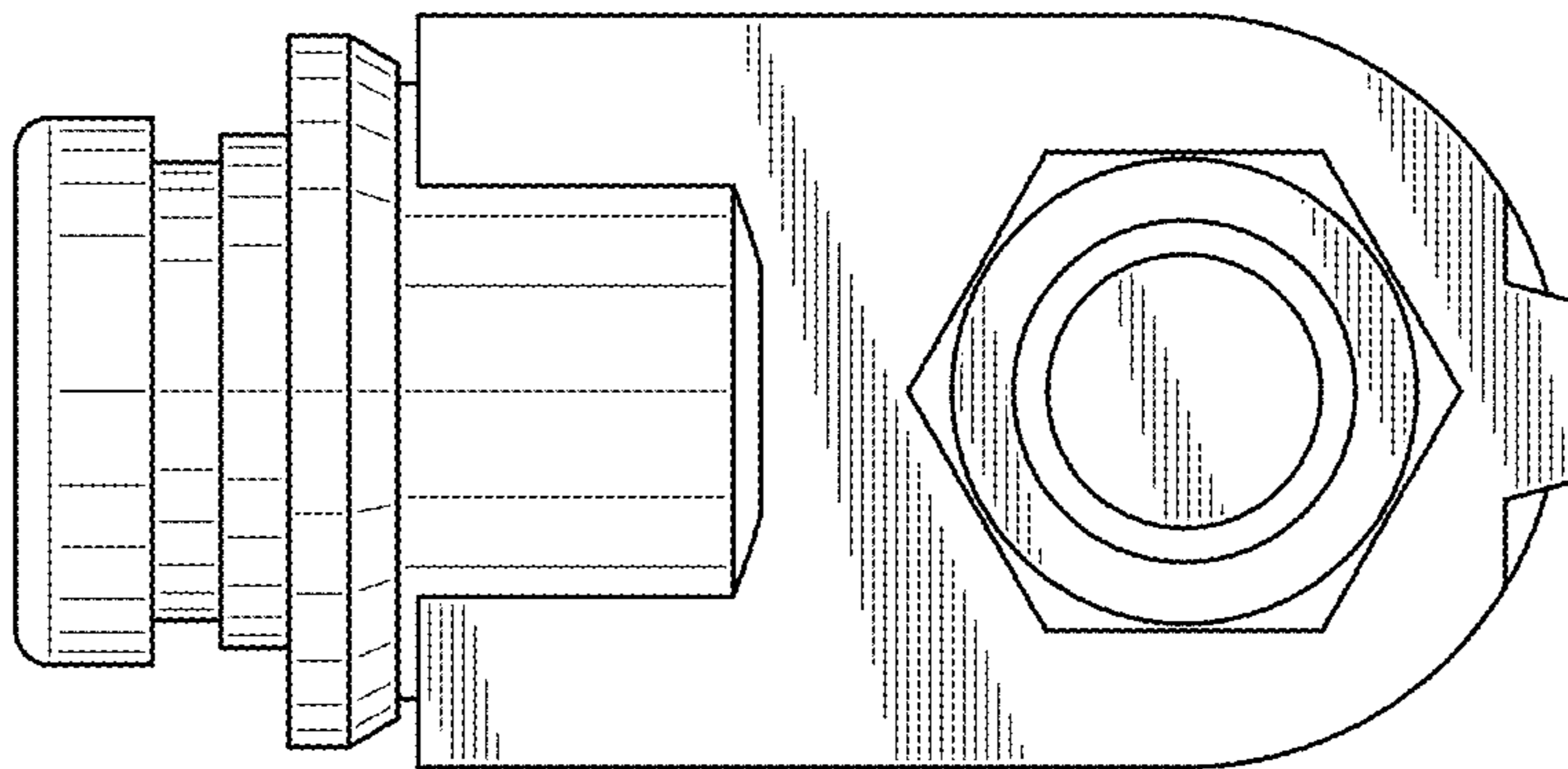


FIG. 14

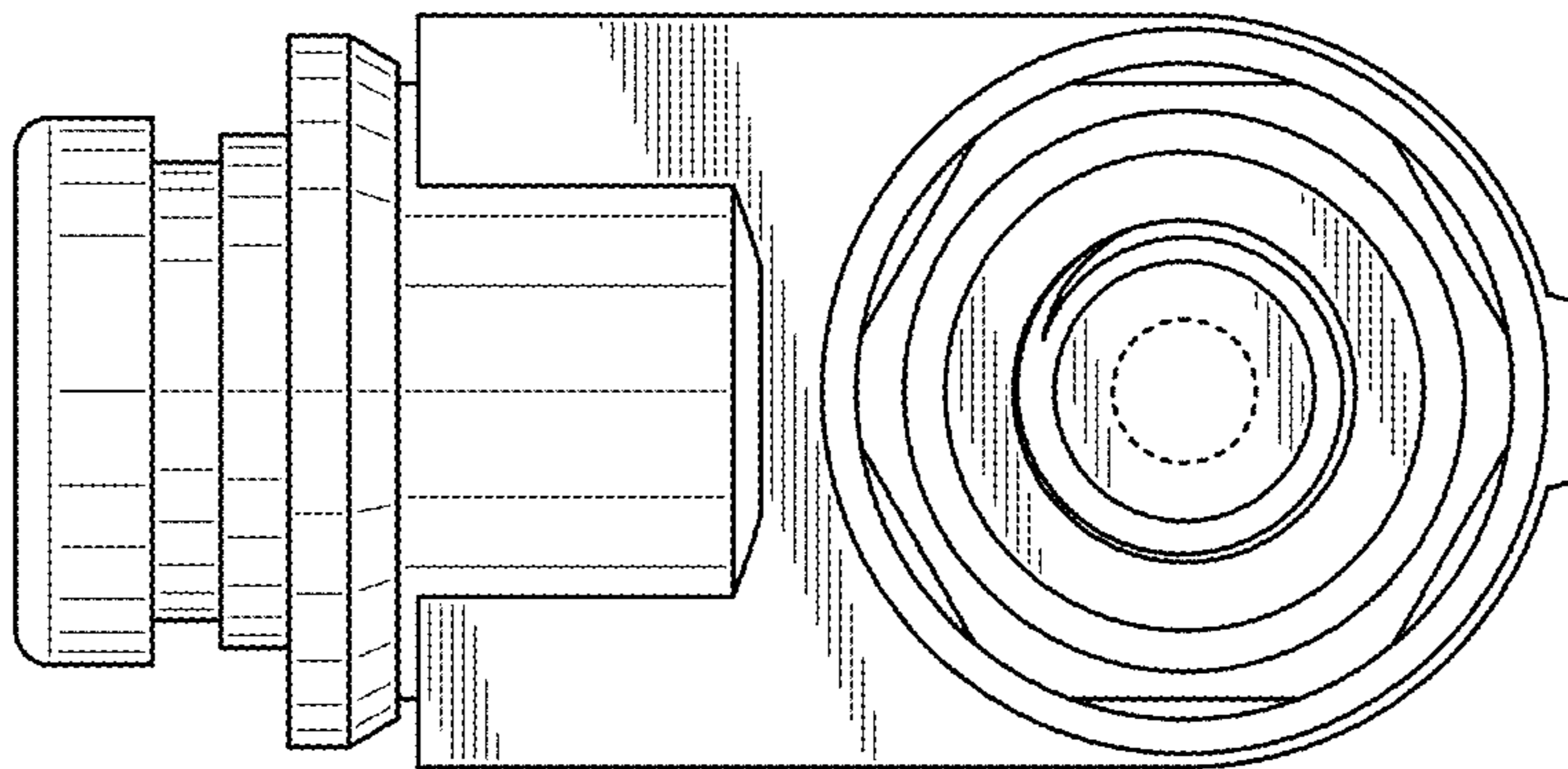


FIG. 15

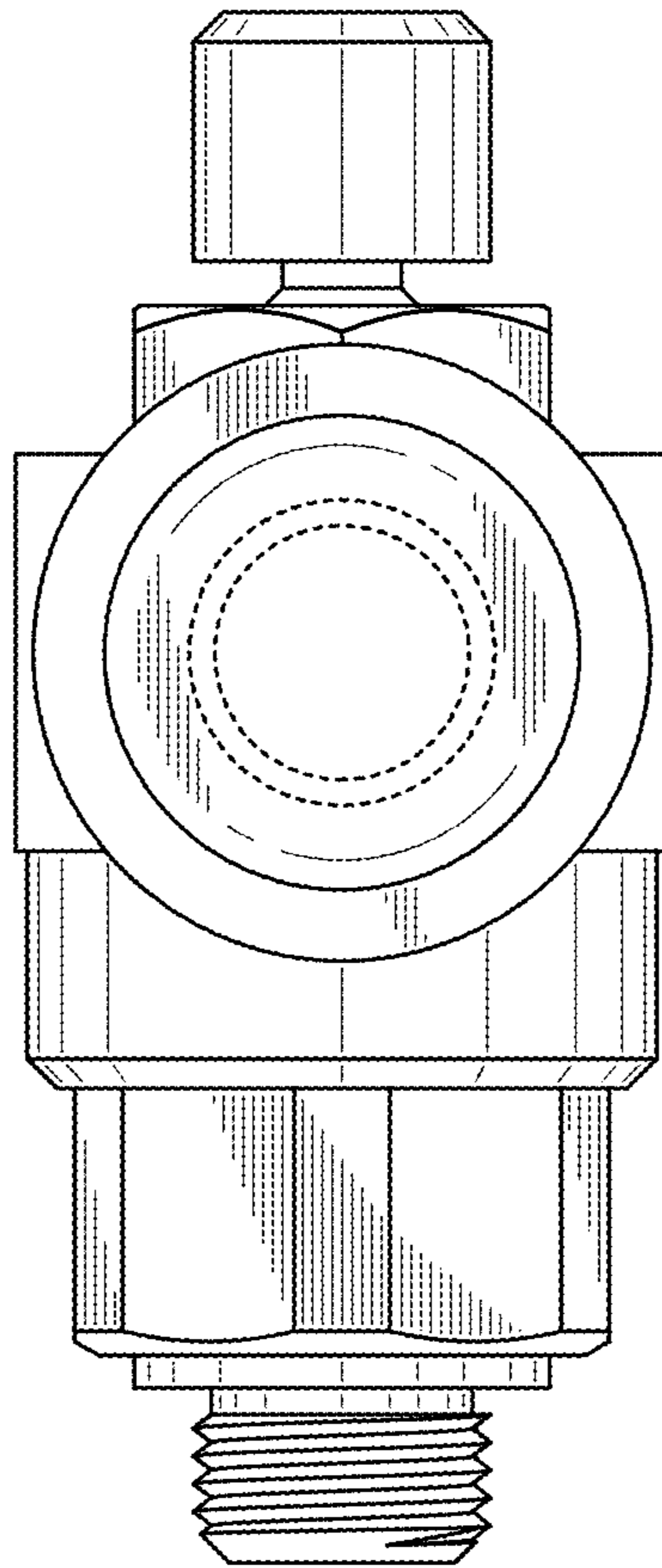


FIG. 16

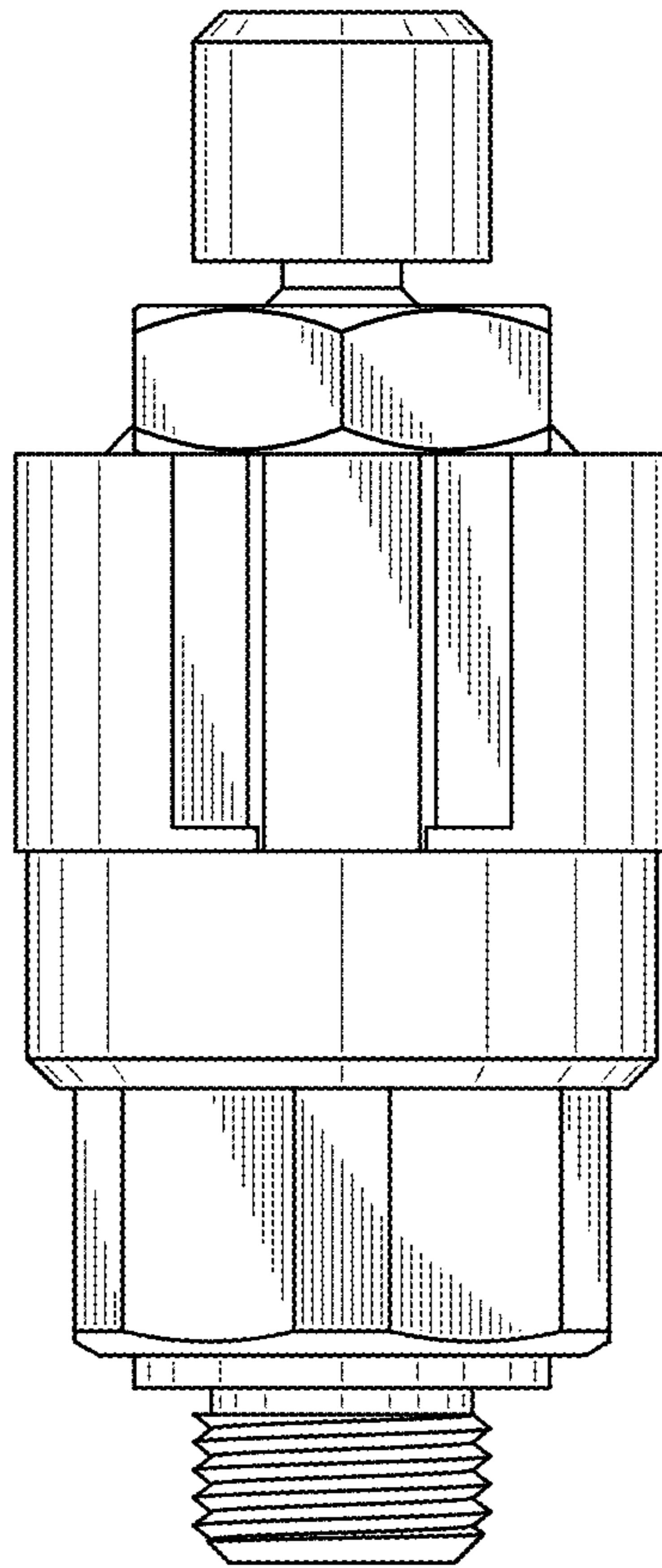


FIG. 17

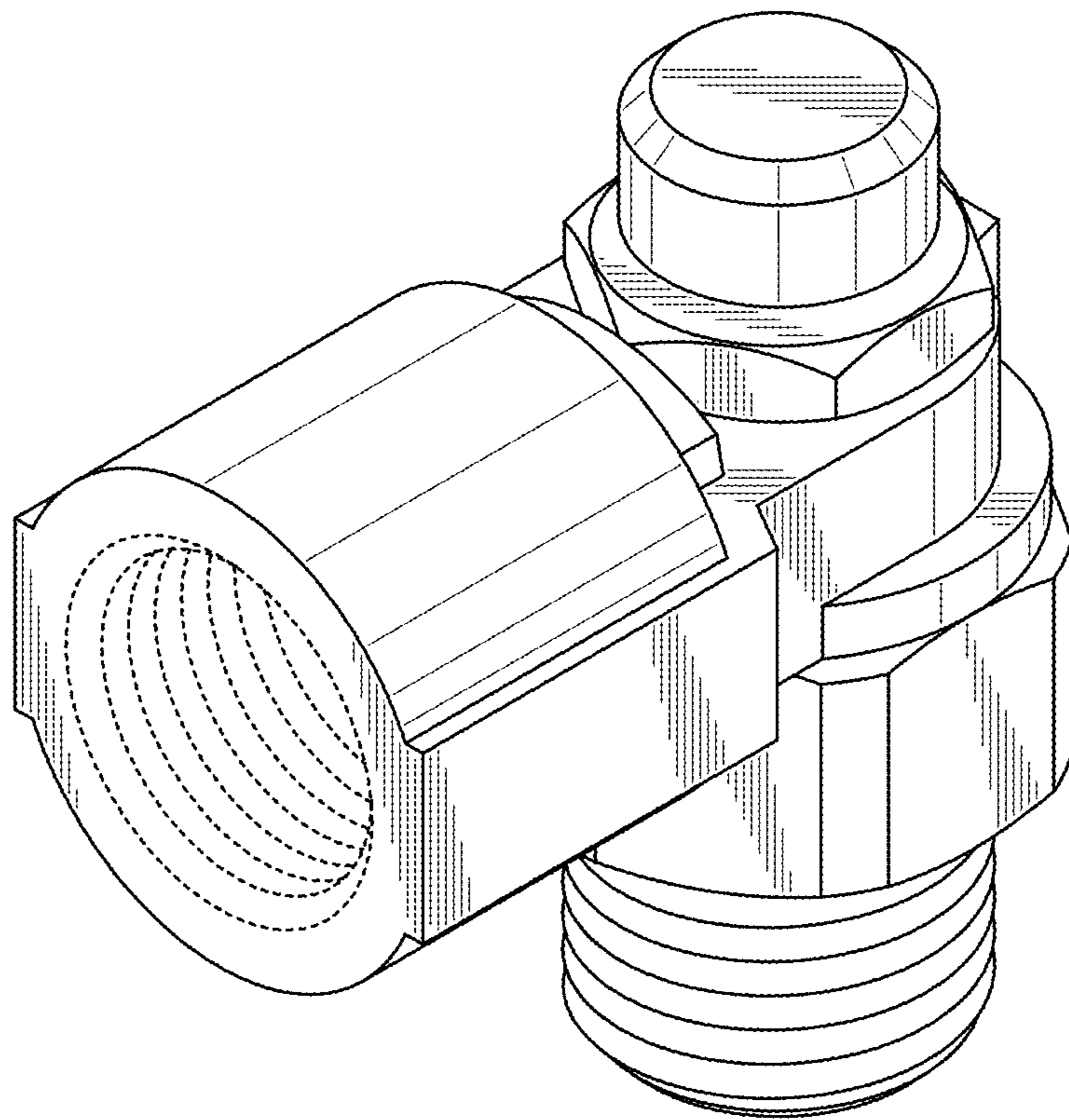


FIG. 18

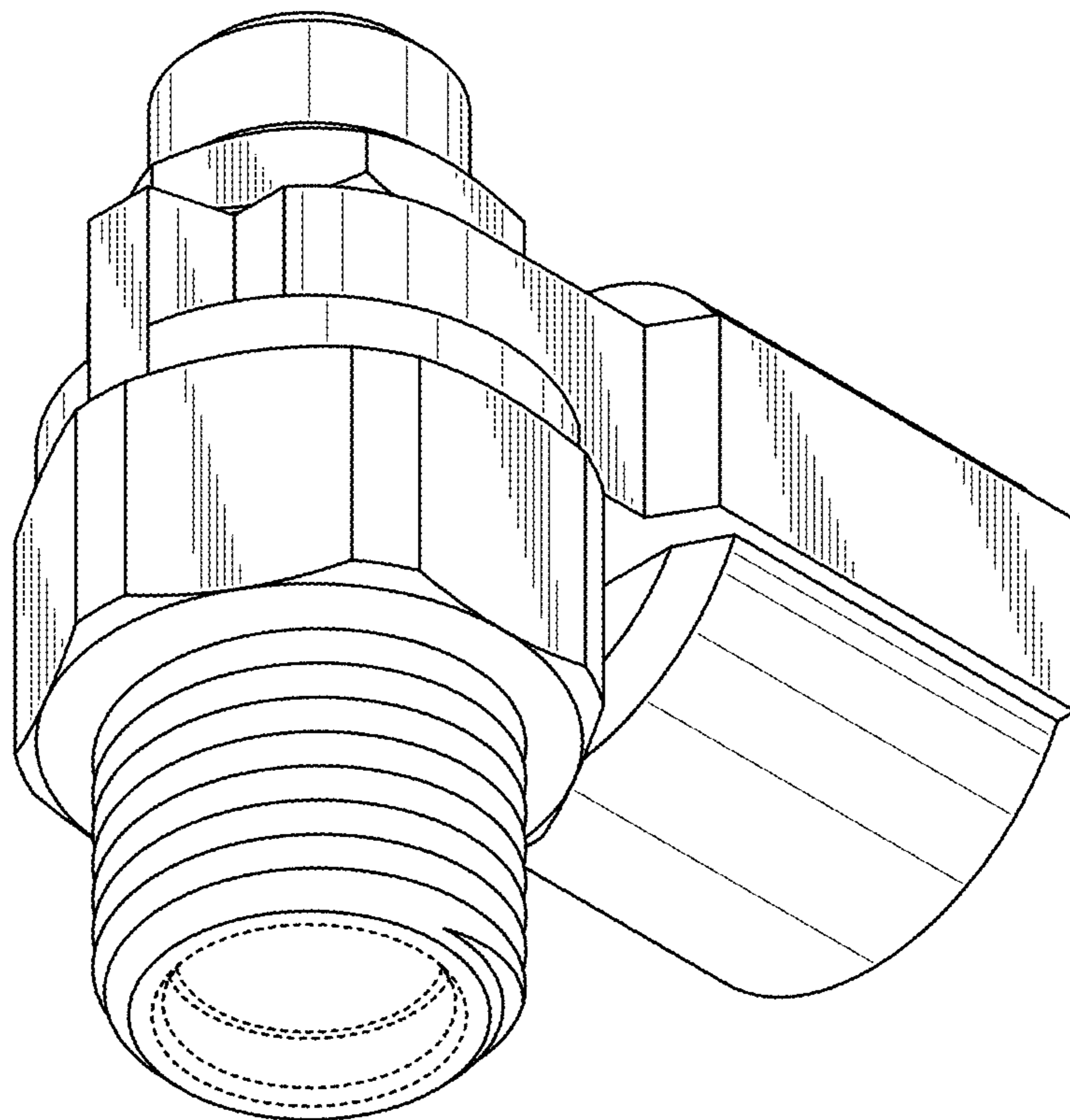


FIG. 19

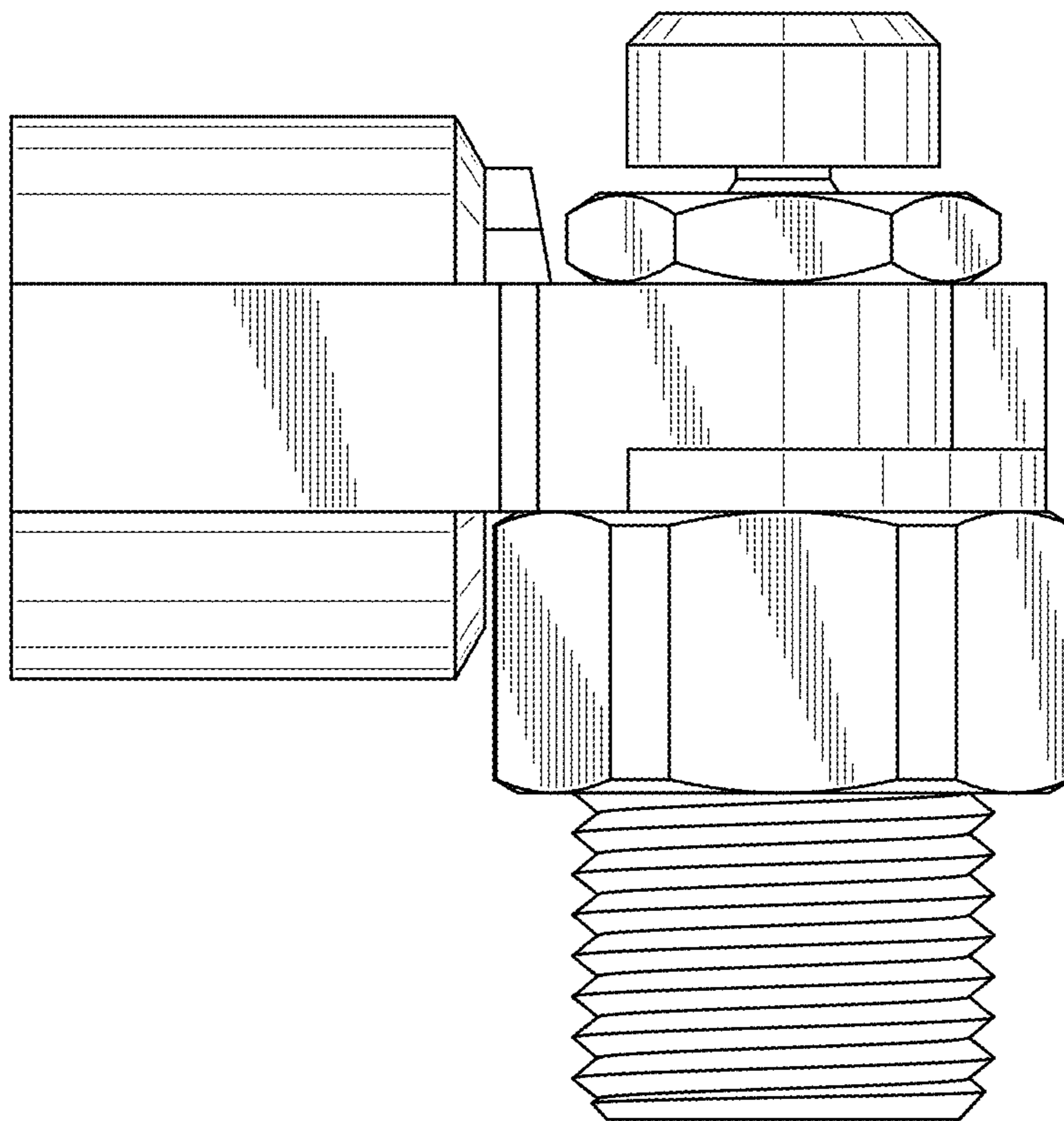


FIG. 20

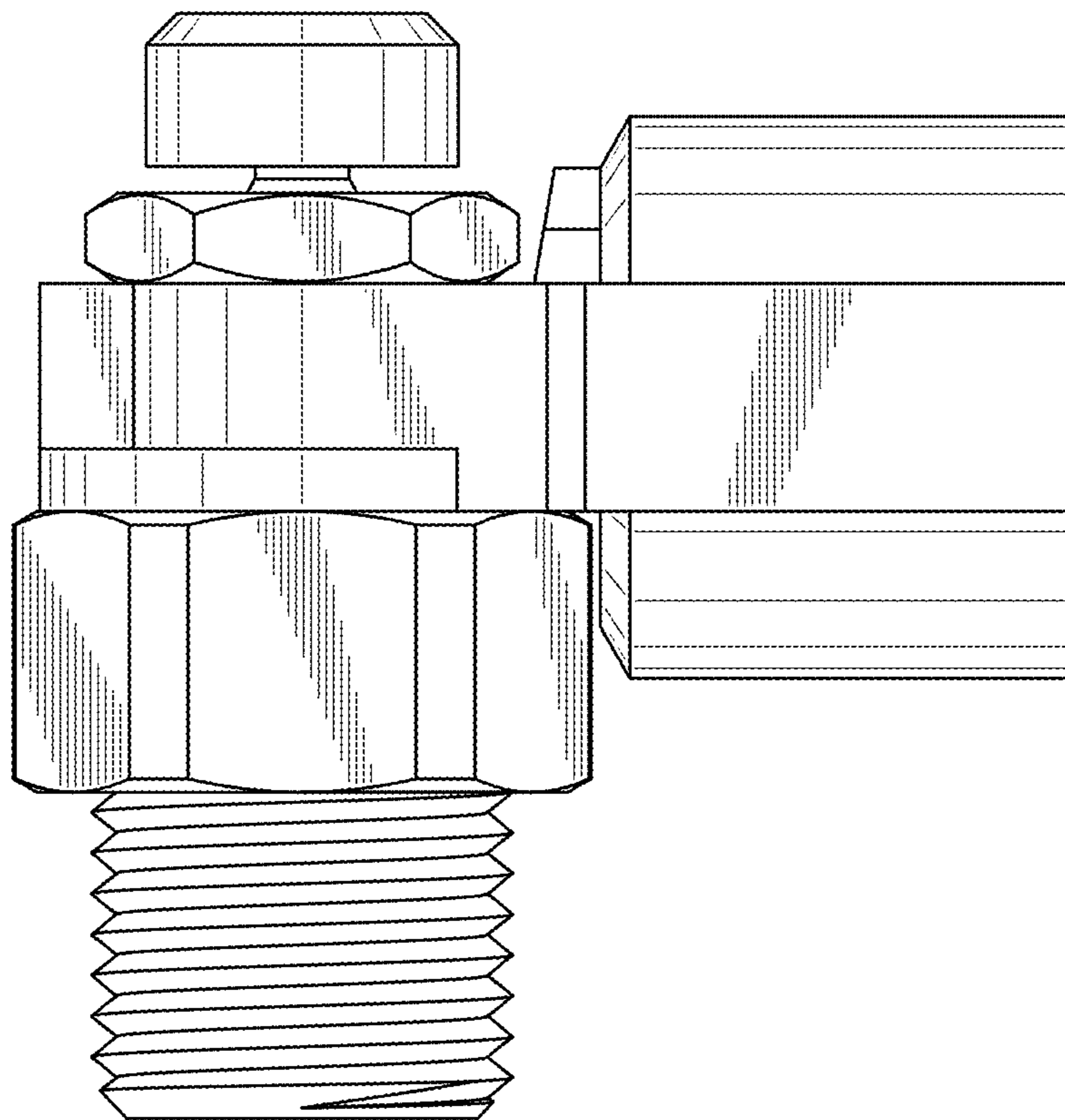


FIG. 21

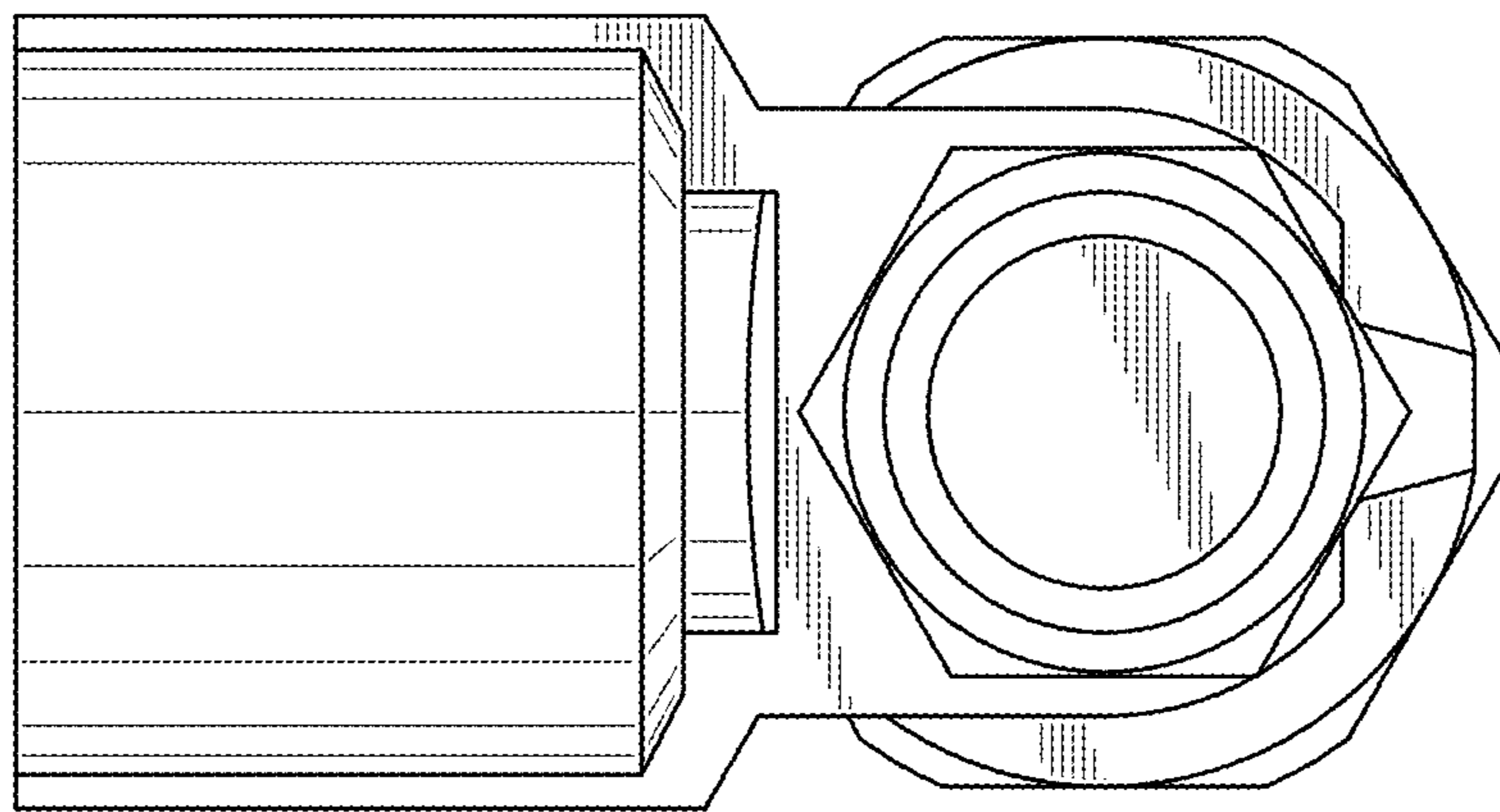


FIG. 22

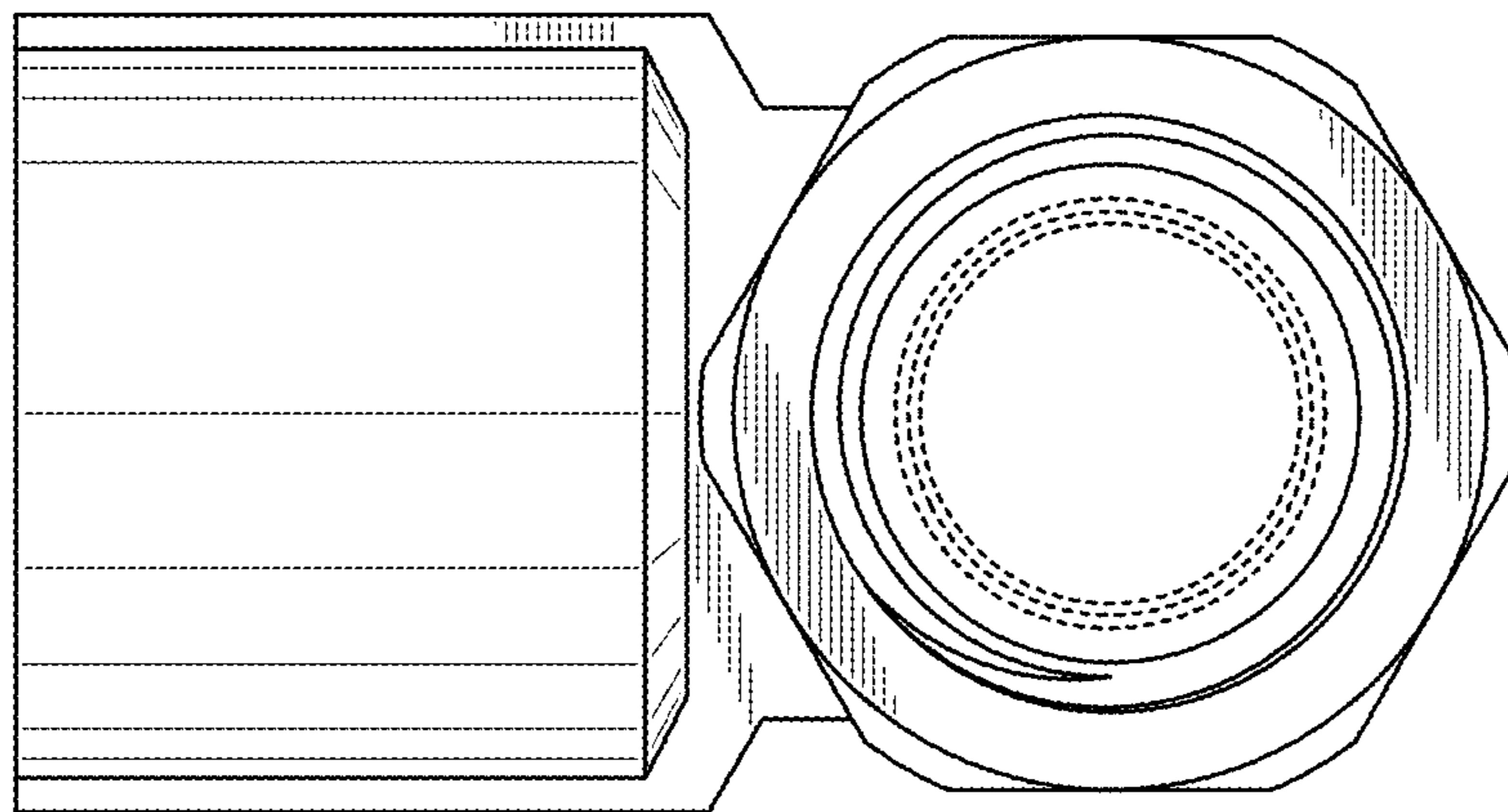


FIG. 23

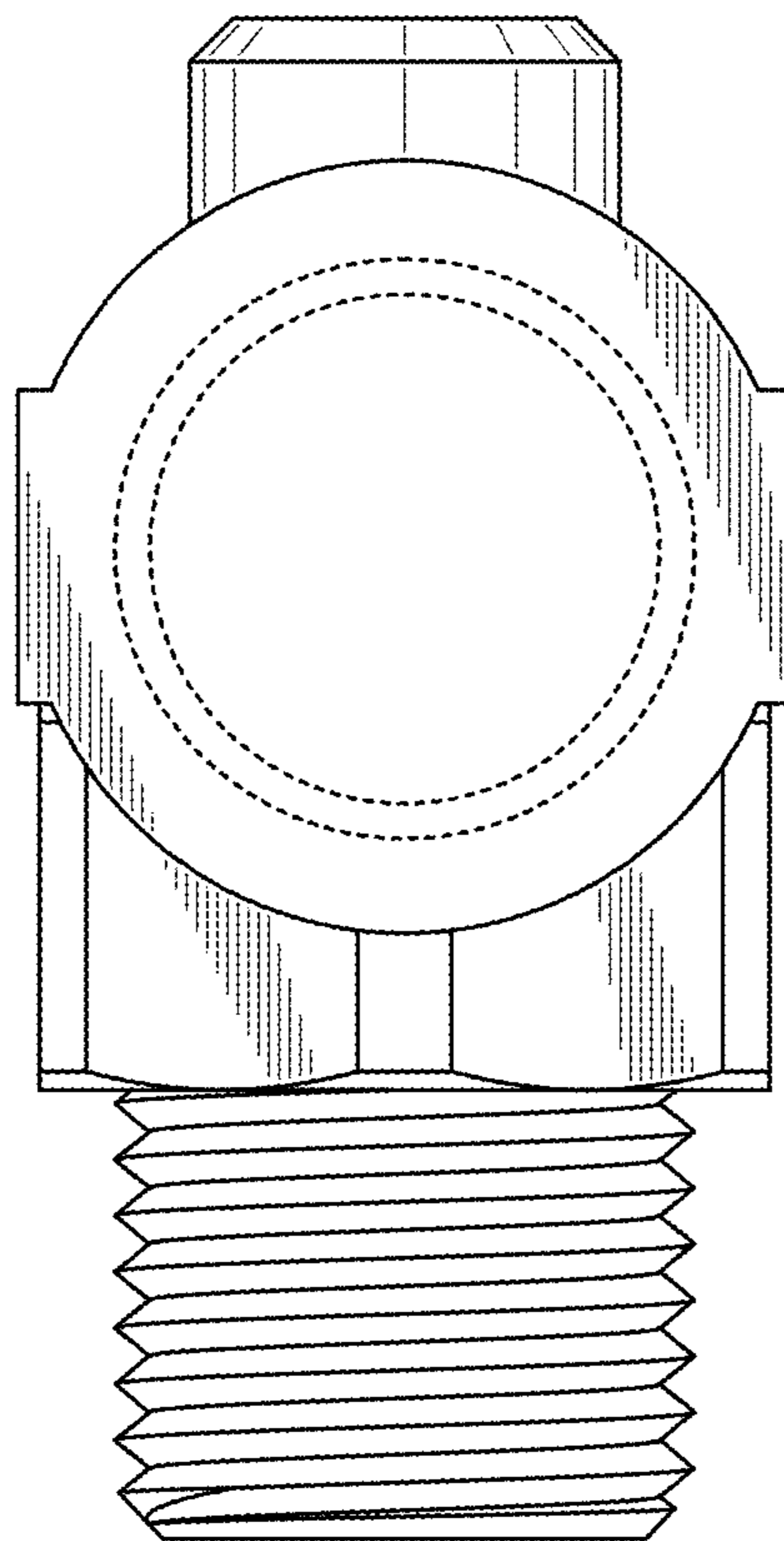


FIG. 24

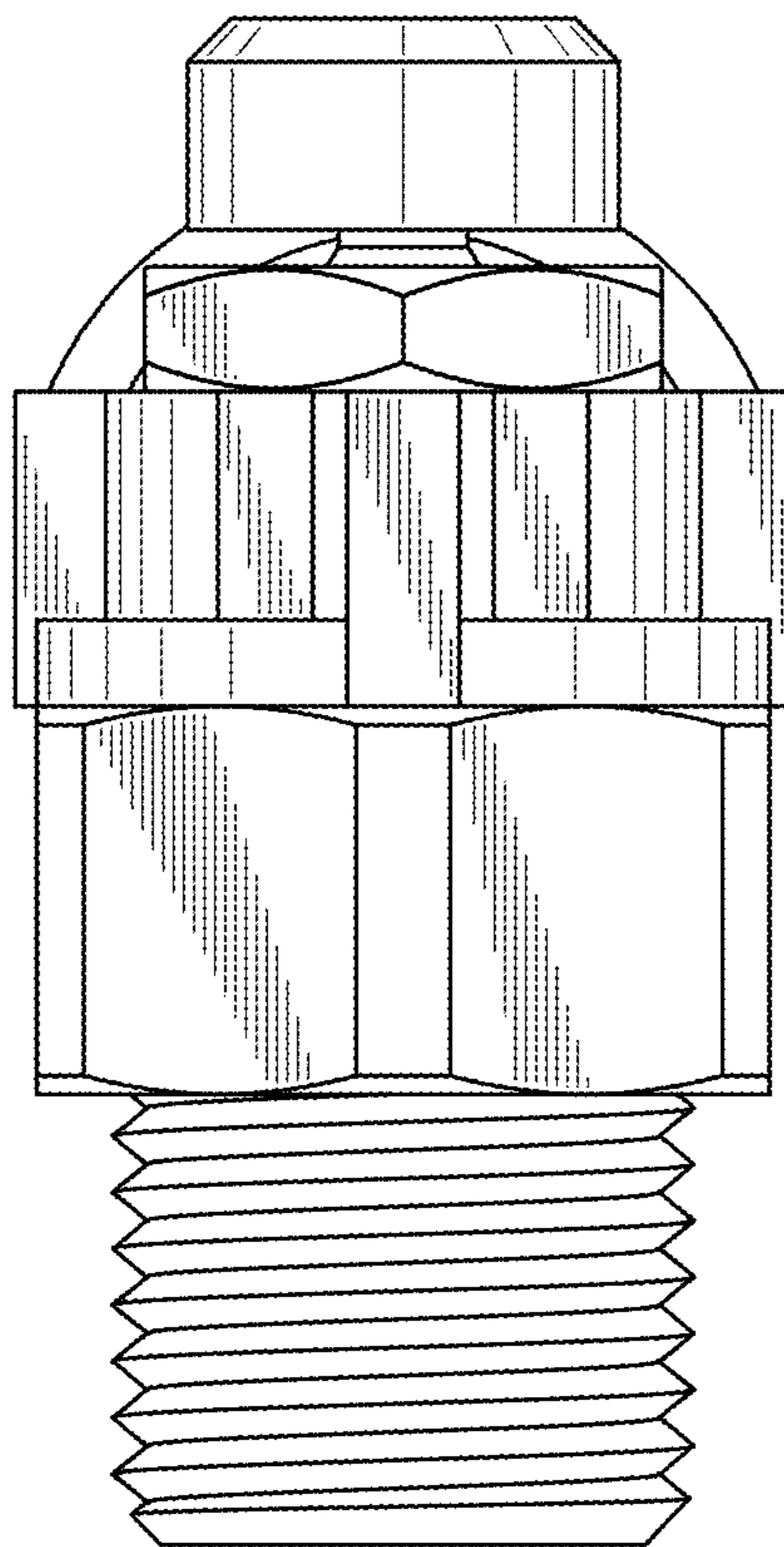


FIG. 25

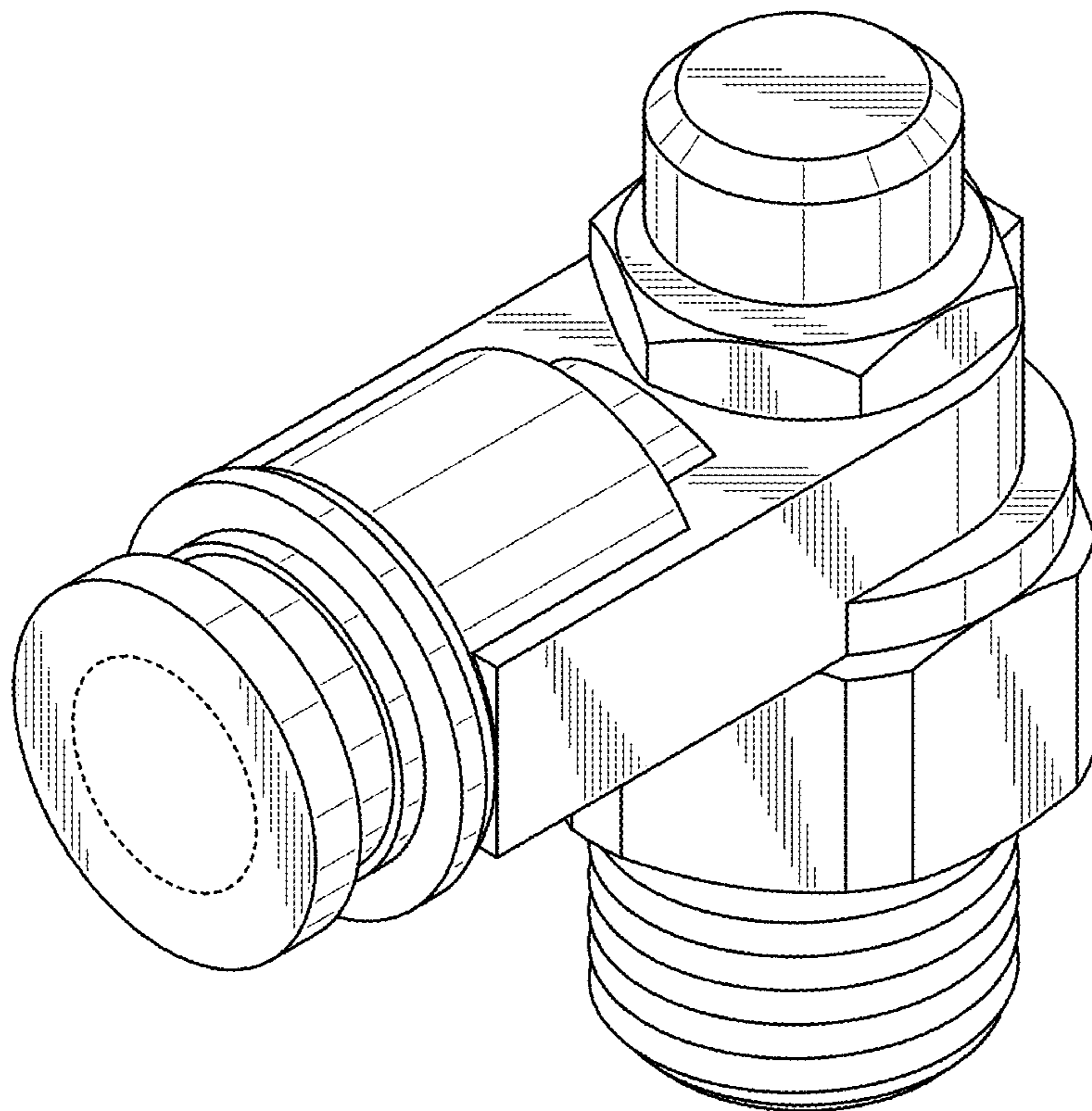


FIG. 26

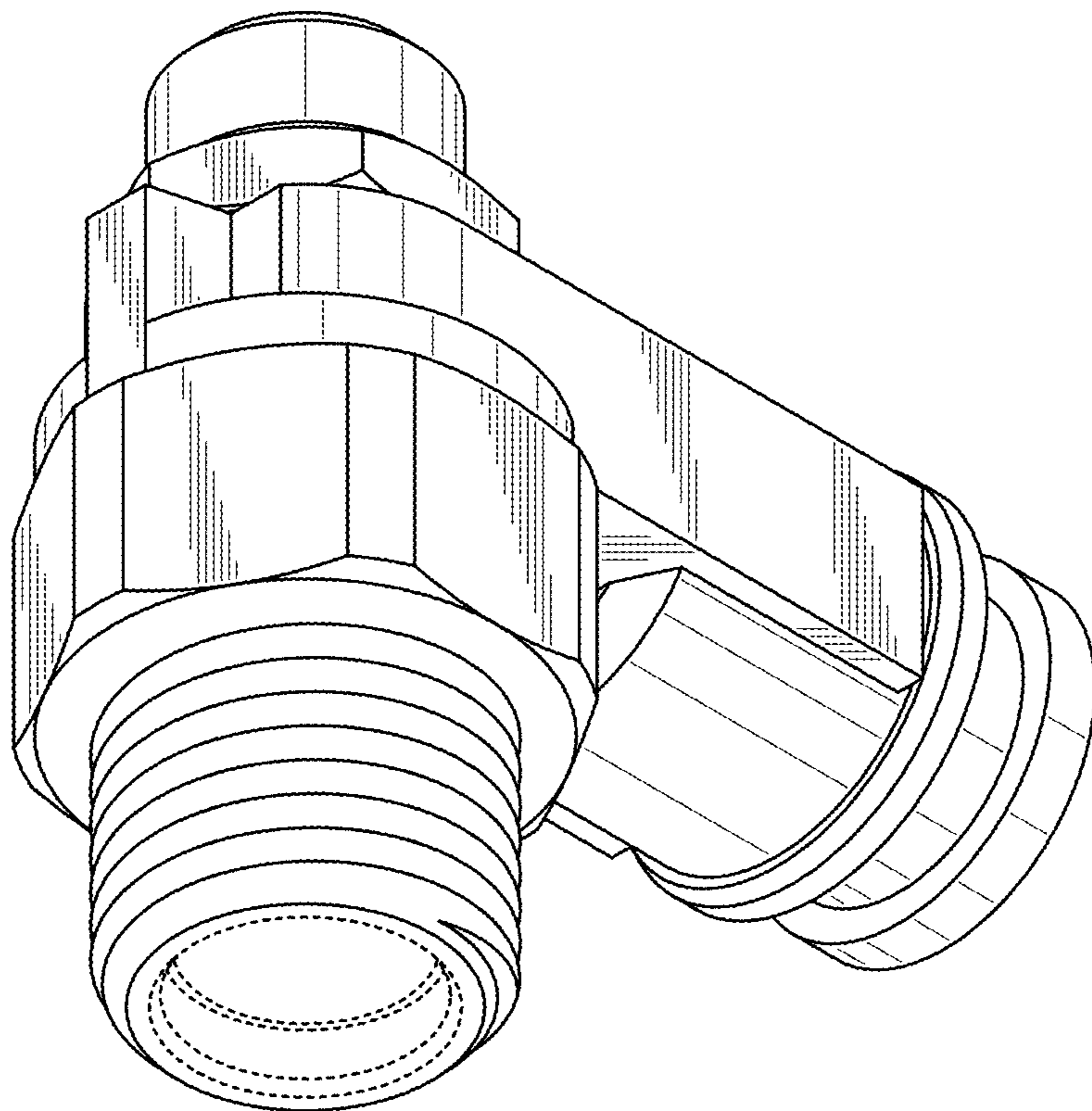


FIG. 27

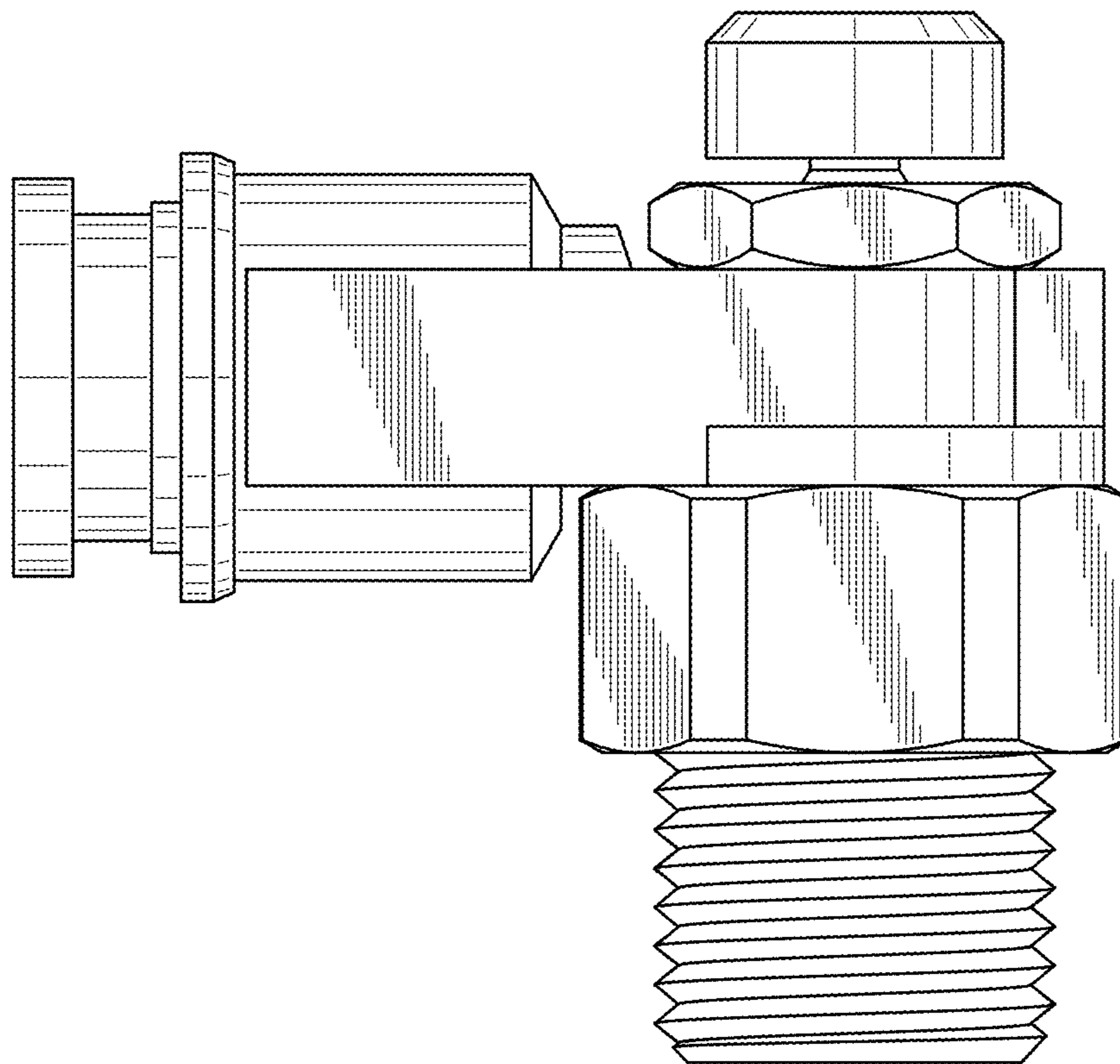


FIG. 28

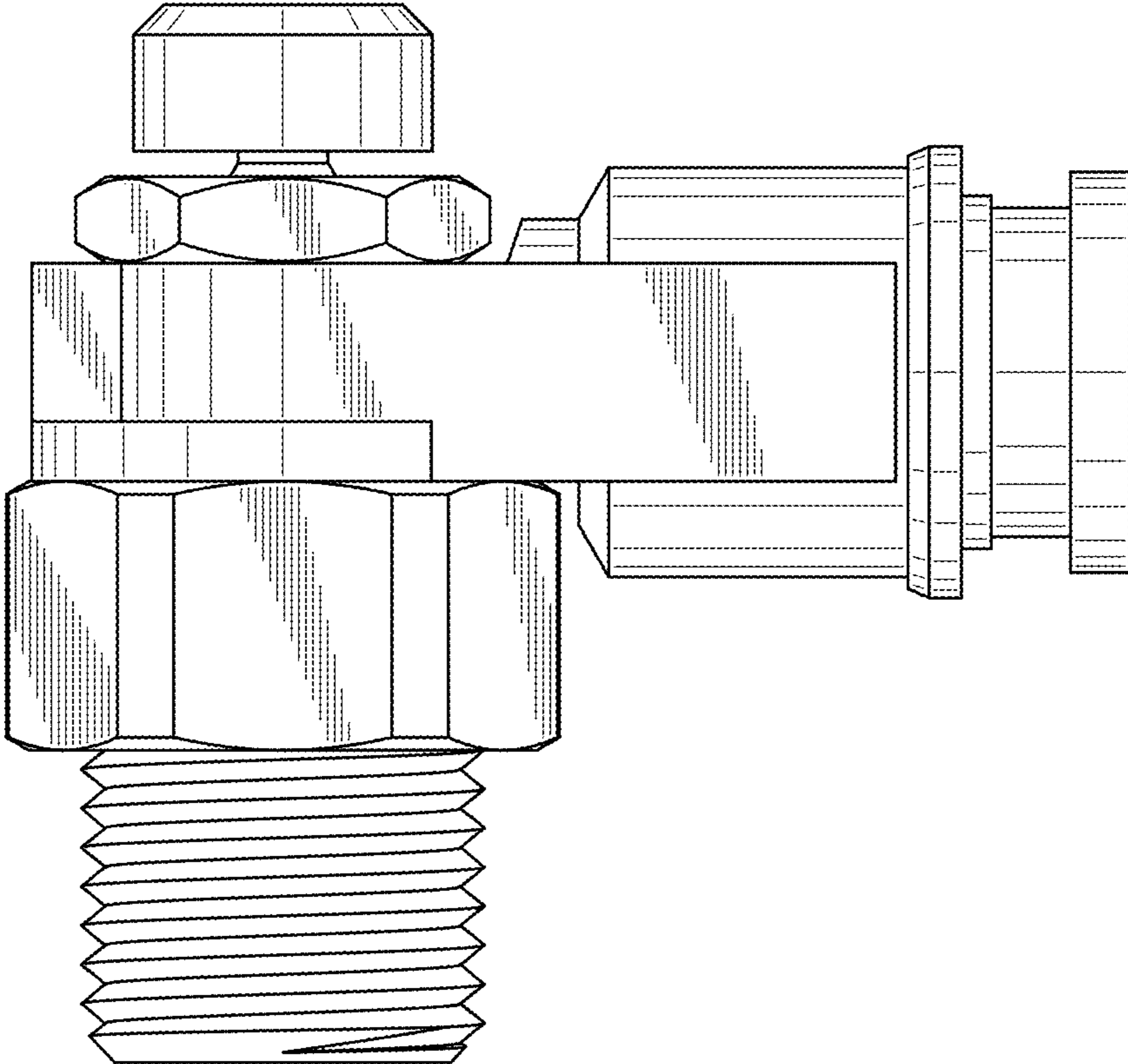


FIG. 29

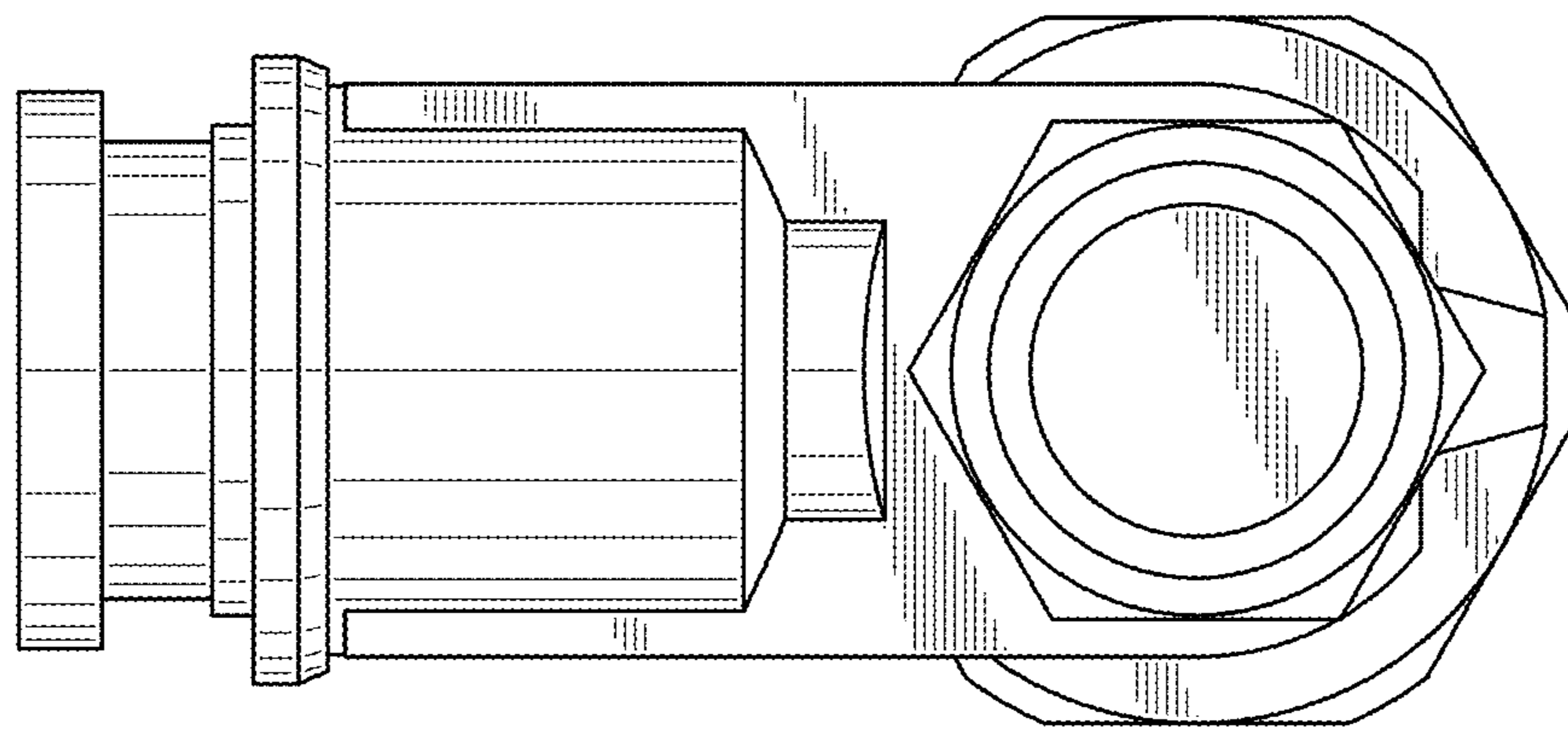


FIG. 30

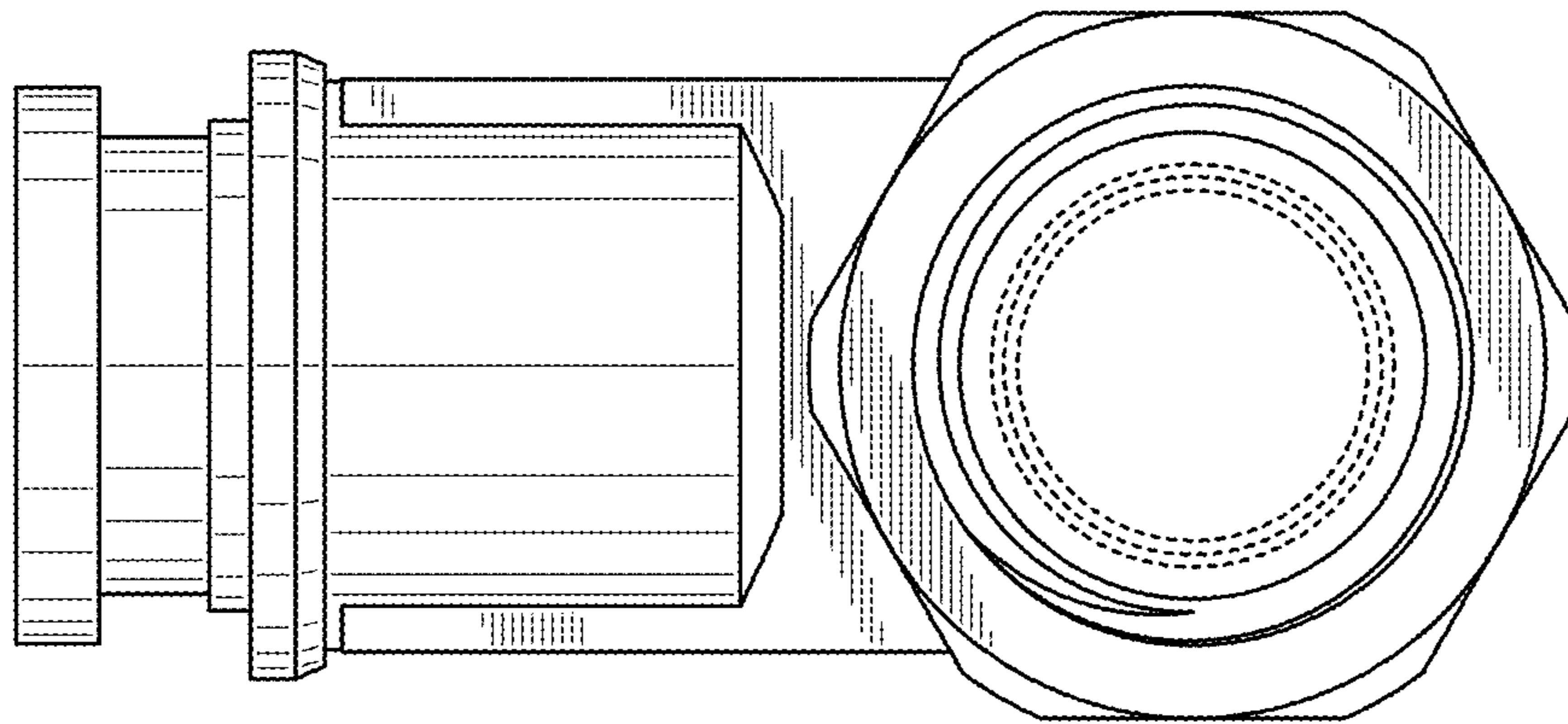


FIG. 31

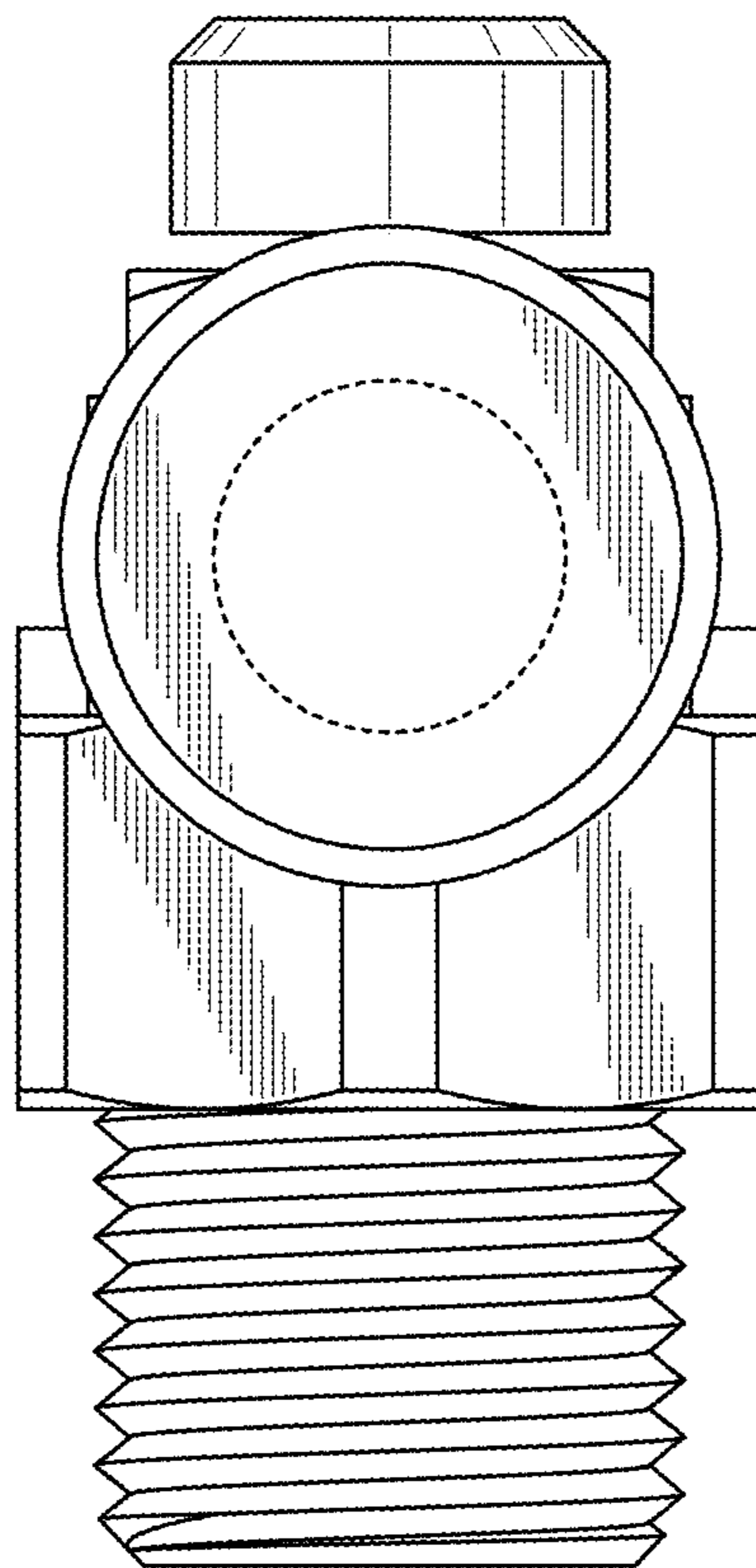


FIG. 32

