



US00D929544S

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

(10) **Patent No.:** **US D929,544 S**

(45) **Date of Patent:** **** Aug. 31, 2021**

(54) **FLOW SWITCH**

DESCRIPTION

- (71) Applicant: **SMC CORPORATION**, Tokyo (JP)
- (72) Inventors: **Takayoshi Okawara**, Nagareyama (JP);
Takahisa Miura, Tsukubamirai (JP)
- (73) Assignee: **SMC CORPORATION**, Tokyo (JP)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/701,922**
- (22) Filed: **Aug. 15, 2019**
- (30) **Foreign Application Priority Data**
Mar. 15, 2019 (CN) 201930107958.4
- (51) **LOC (13) Cl.** **23-01**
- (52) **U.S. Cl.**
USPC **D23/233**; D10/85; D10/96; D23/235
- (58) **Field of Classification Search**
USPC D10/85, 96; D23/233, 235
(Continued)

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Primary Examiner — Antoine Duval Davis

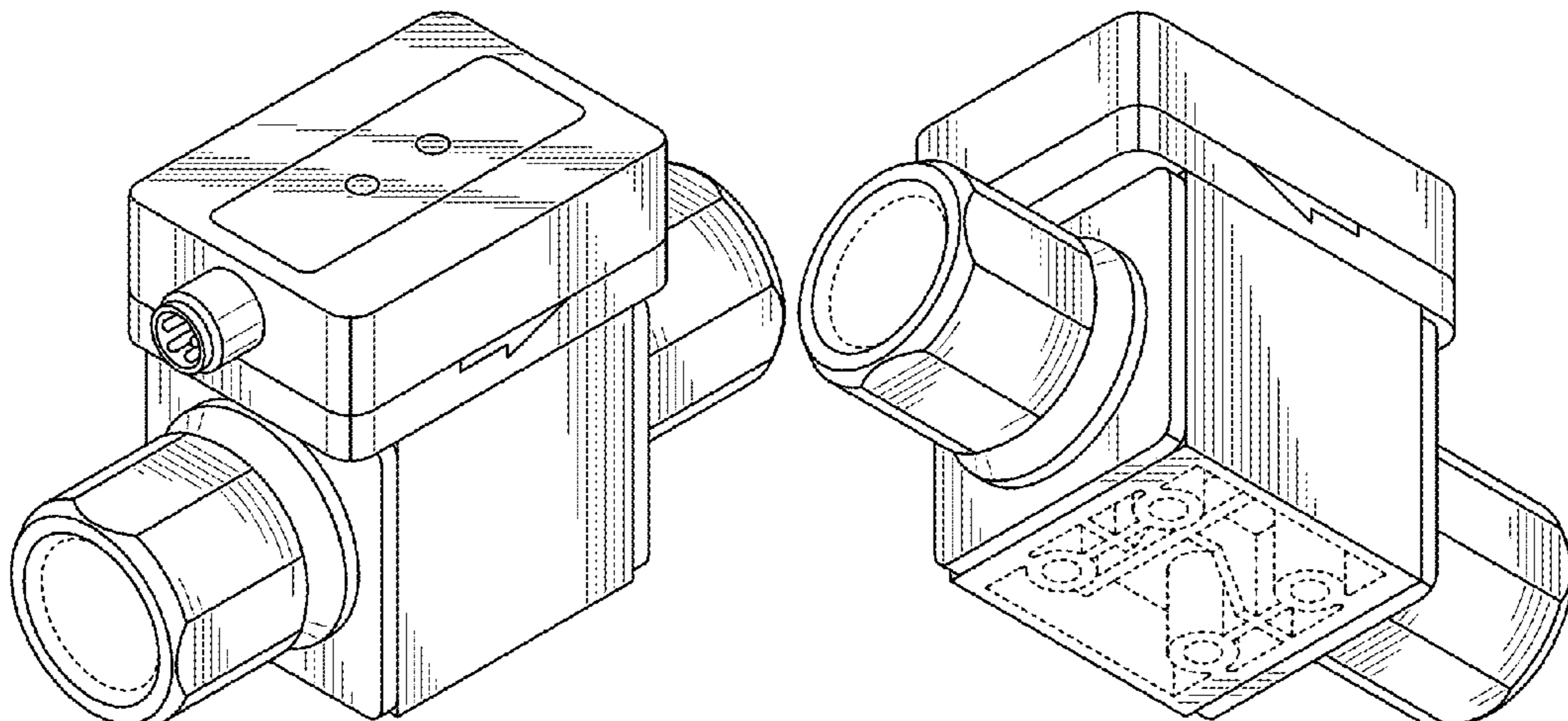
(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

(57) **CLAIM**

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

FIG. 1 is a front, top and left side perspective view of a flow switch 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 switch 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 switch 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 switch 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. The broken lines depict portions of the flow switch that form no part of the claimed design.

1 Claim, 32 Drawing Sheets



(58) **Field of Classification Search**

CPC G01P 13/002; G01P 13/0013; G01F 1/662;
G01F 1/667; G01F 15/14; H01H 35/02;
H01H 35/24; H01H 35/40; Y10T
137/8326

See application file for complete search history.

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2009/0167540	A1	*	7/2009	Struyk	G01P 13/002 340/610

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FIG. 1

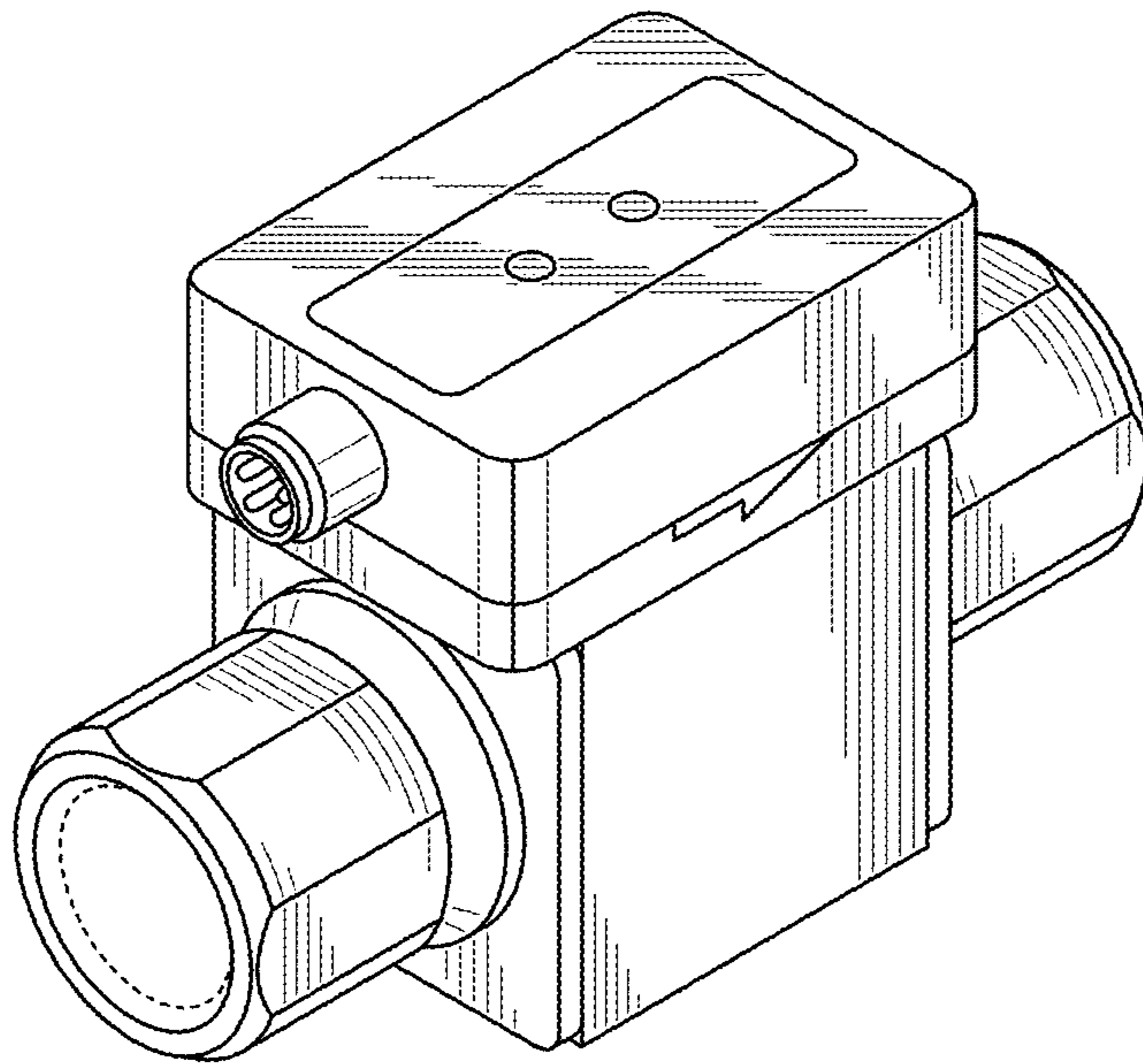


FIG. 2

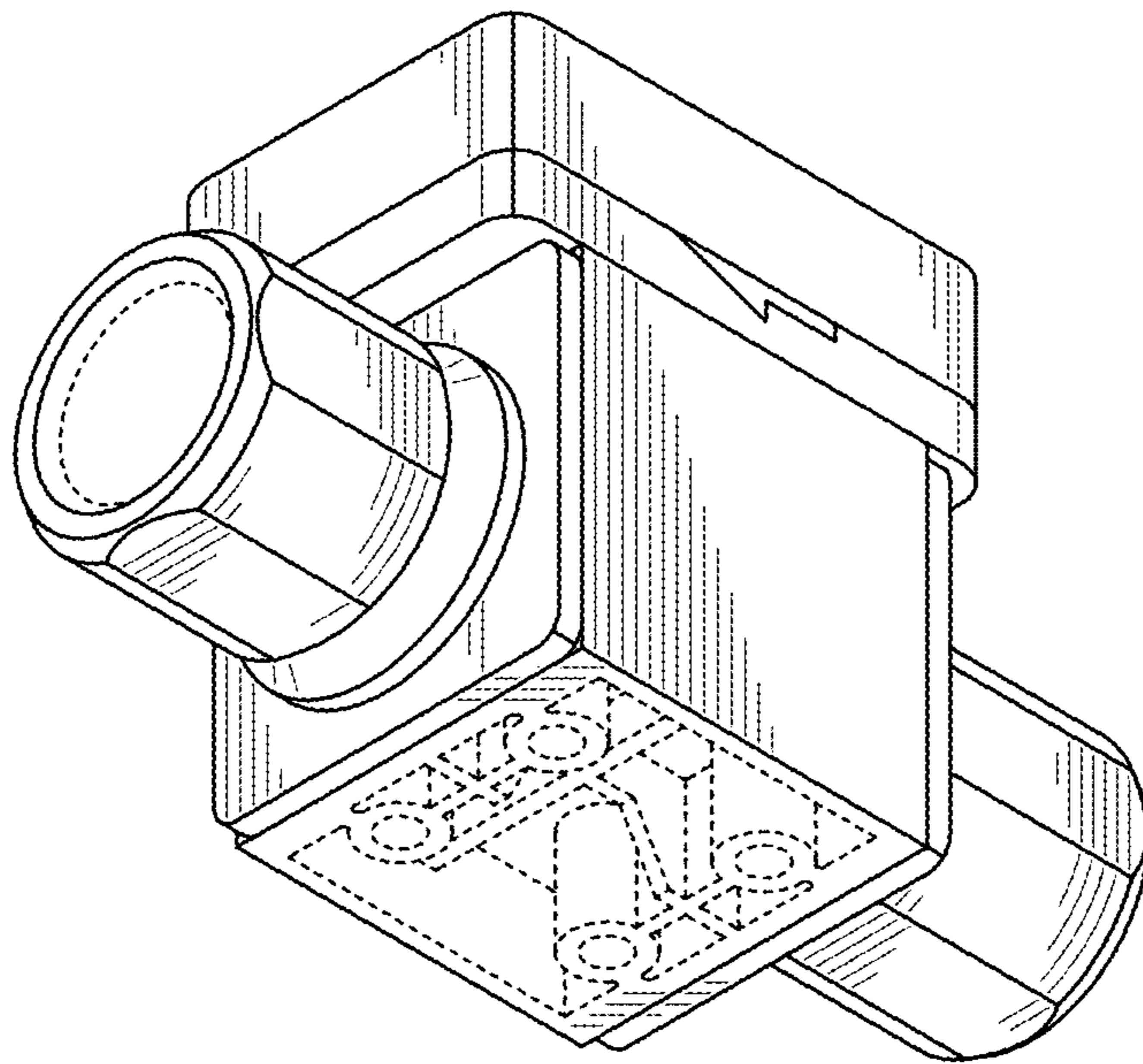


FIG. 3

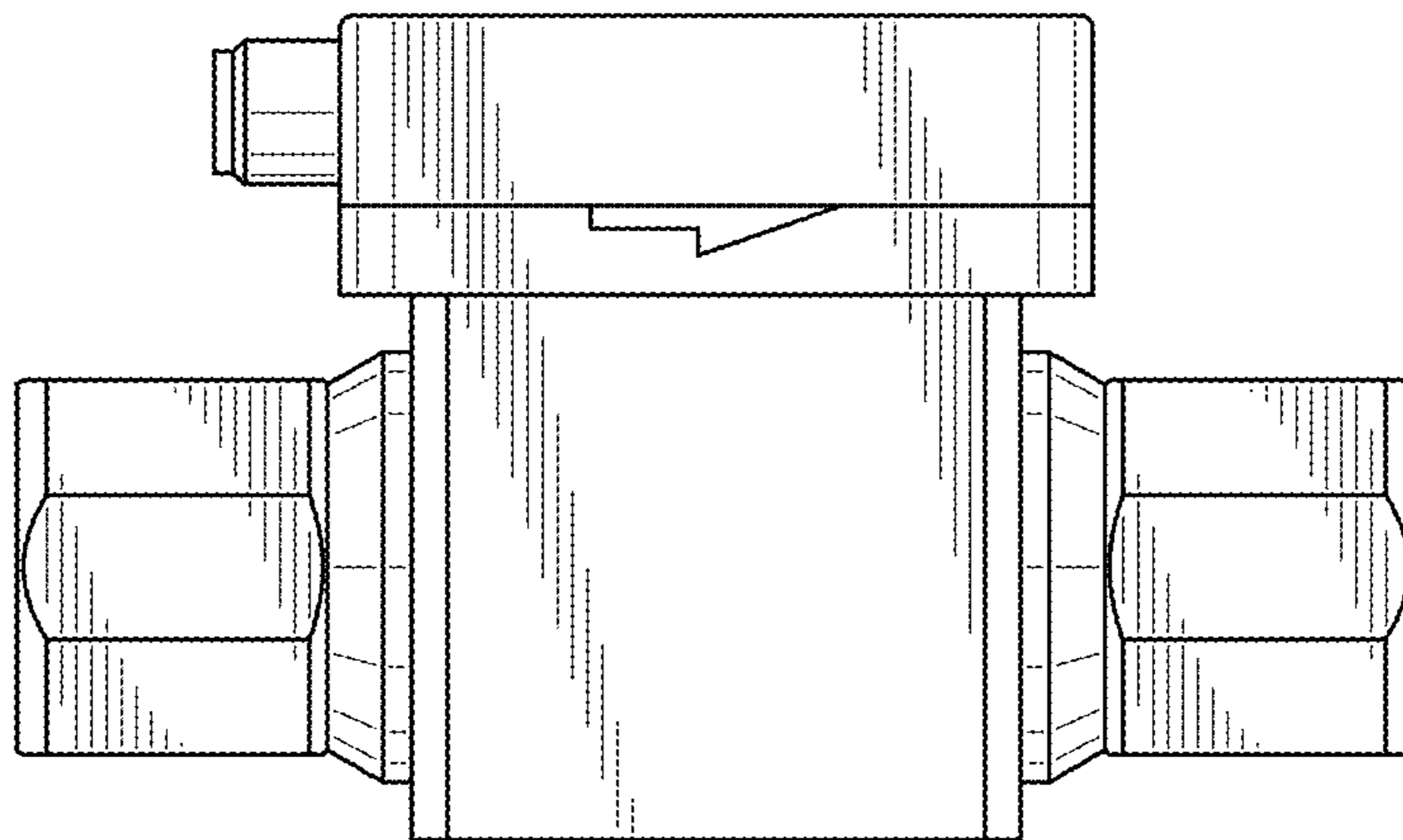


FIG. 4

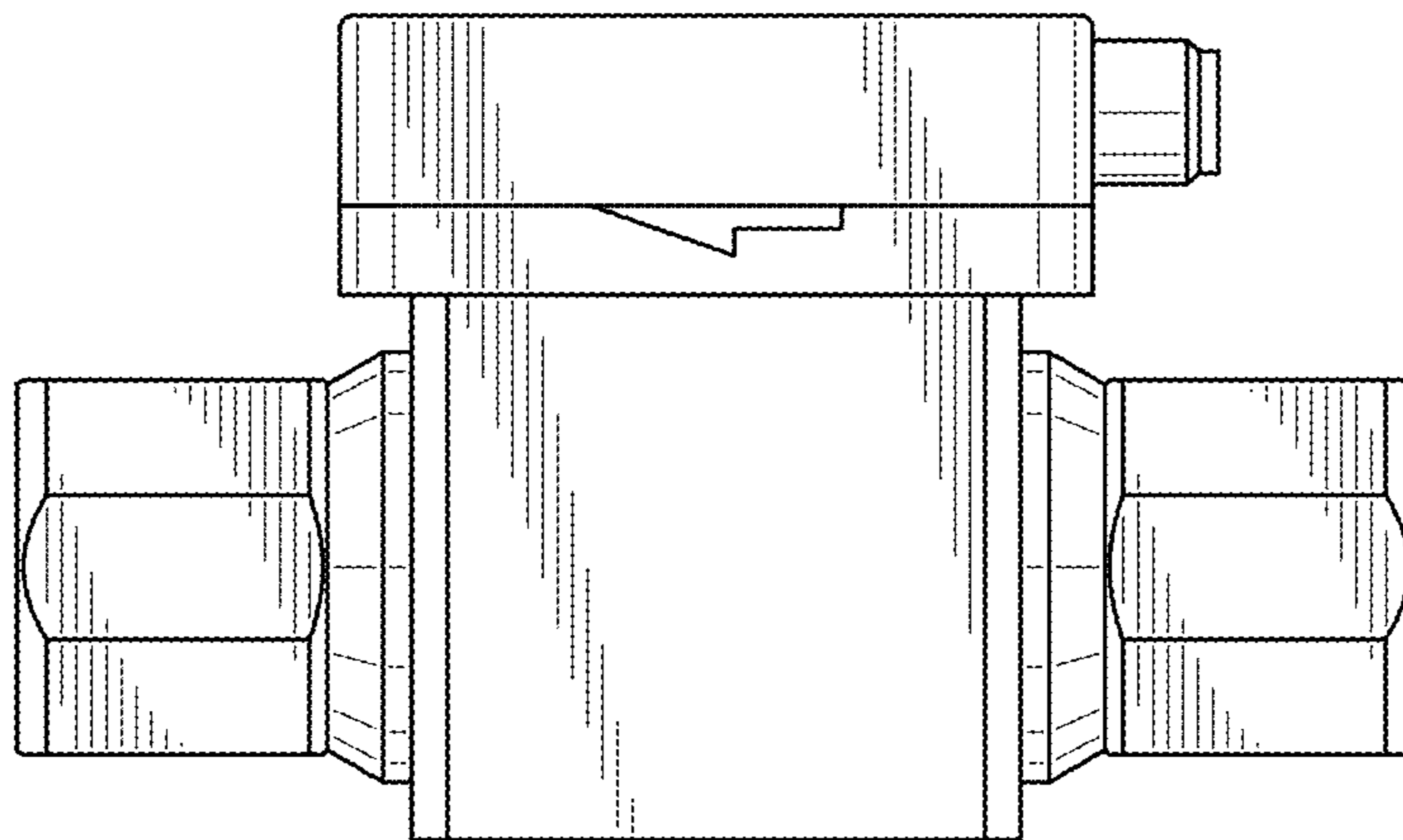


FIG. 5

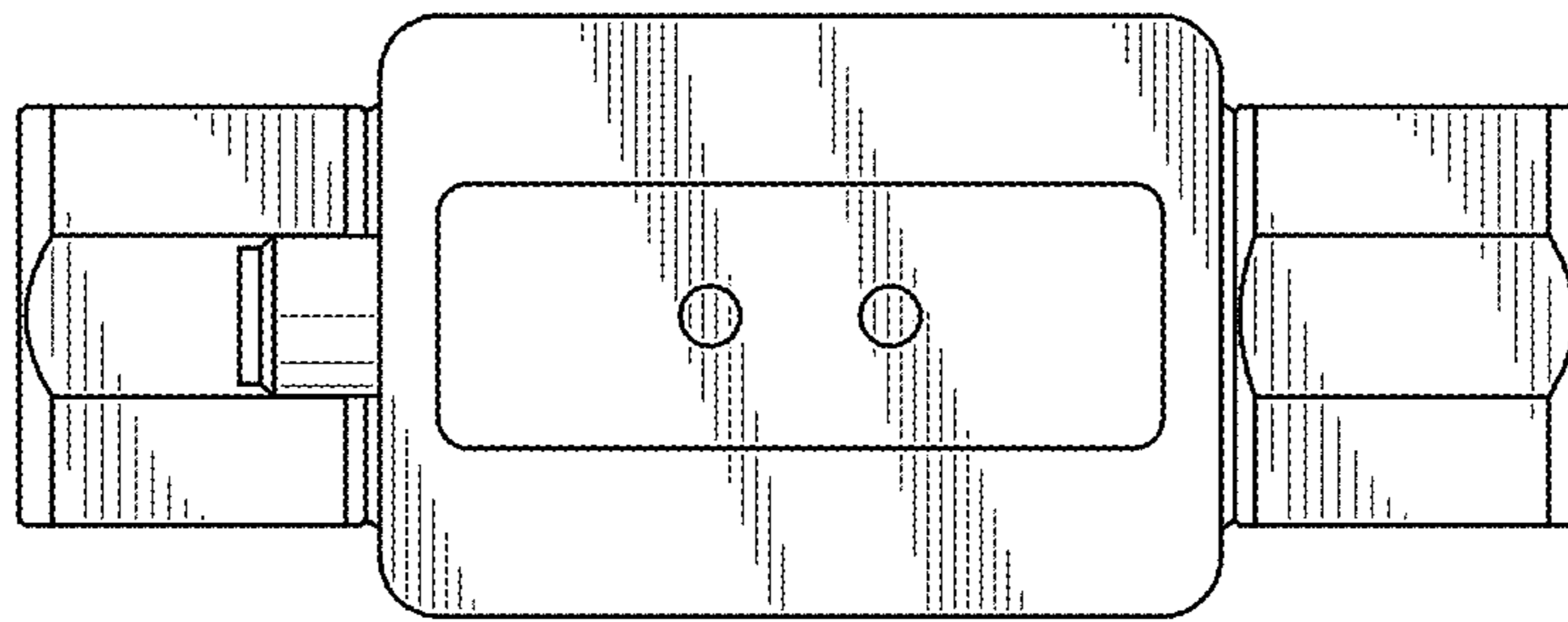


FIG. 6

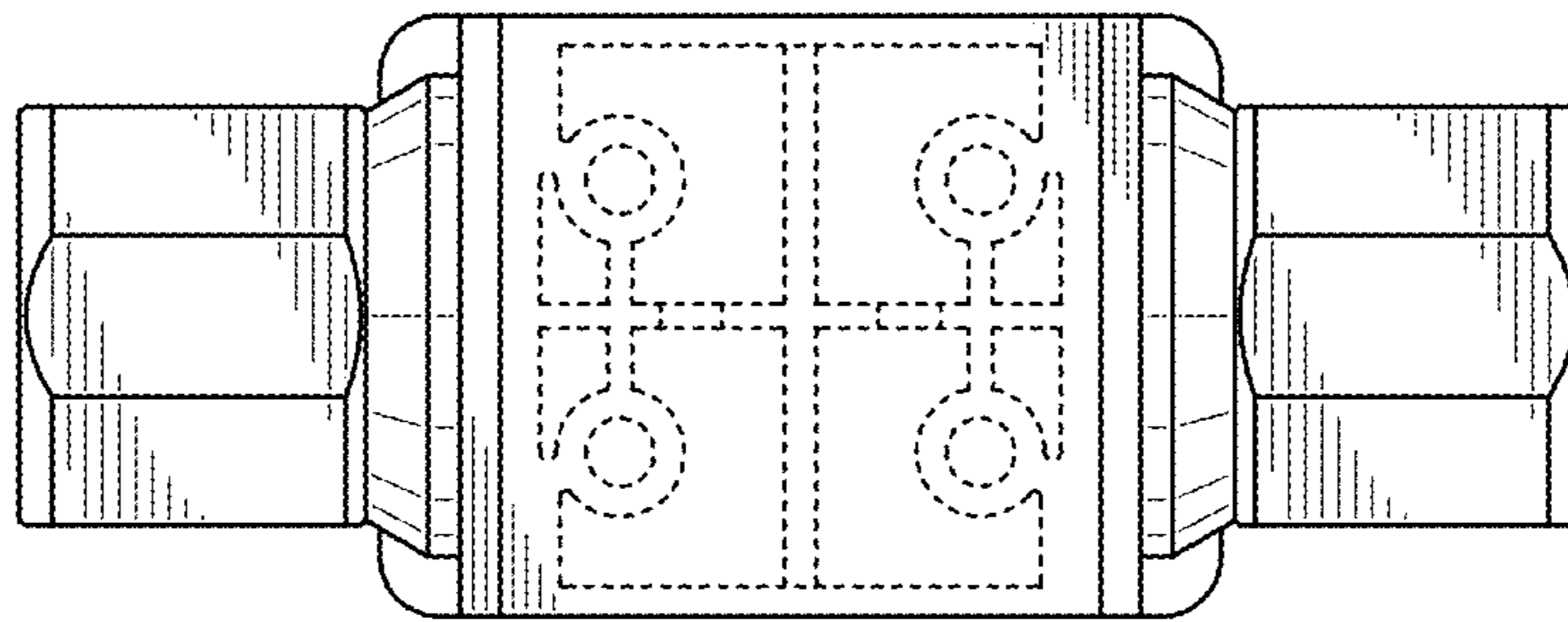


FIG. 7

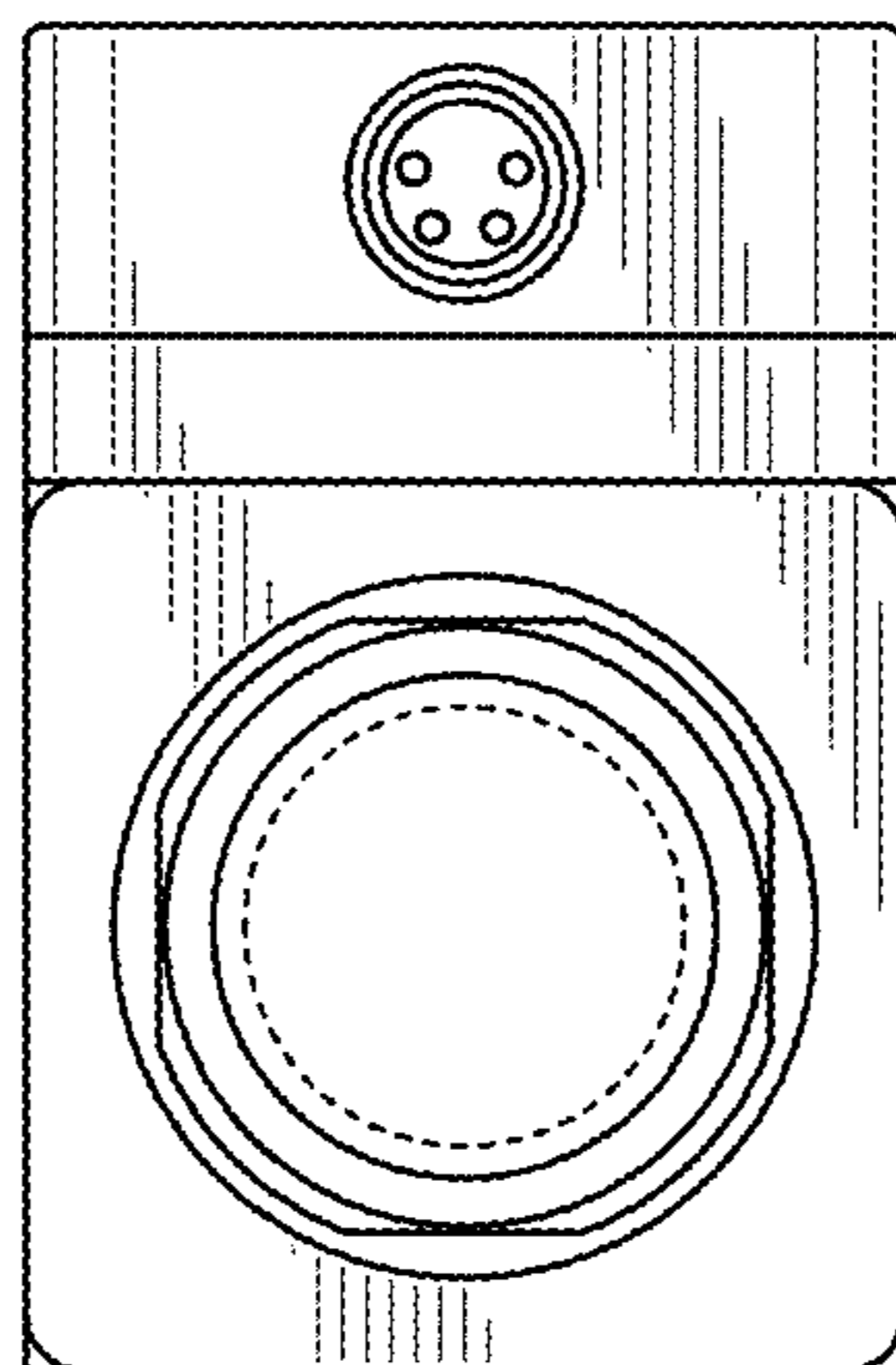


FIG. 8

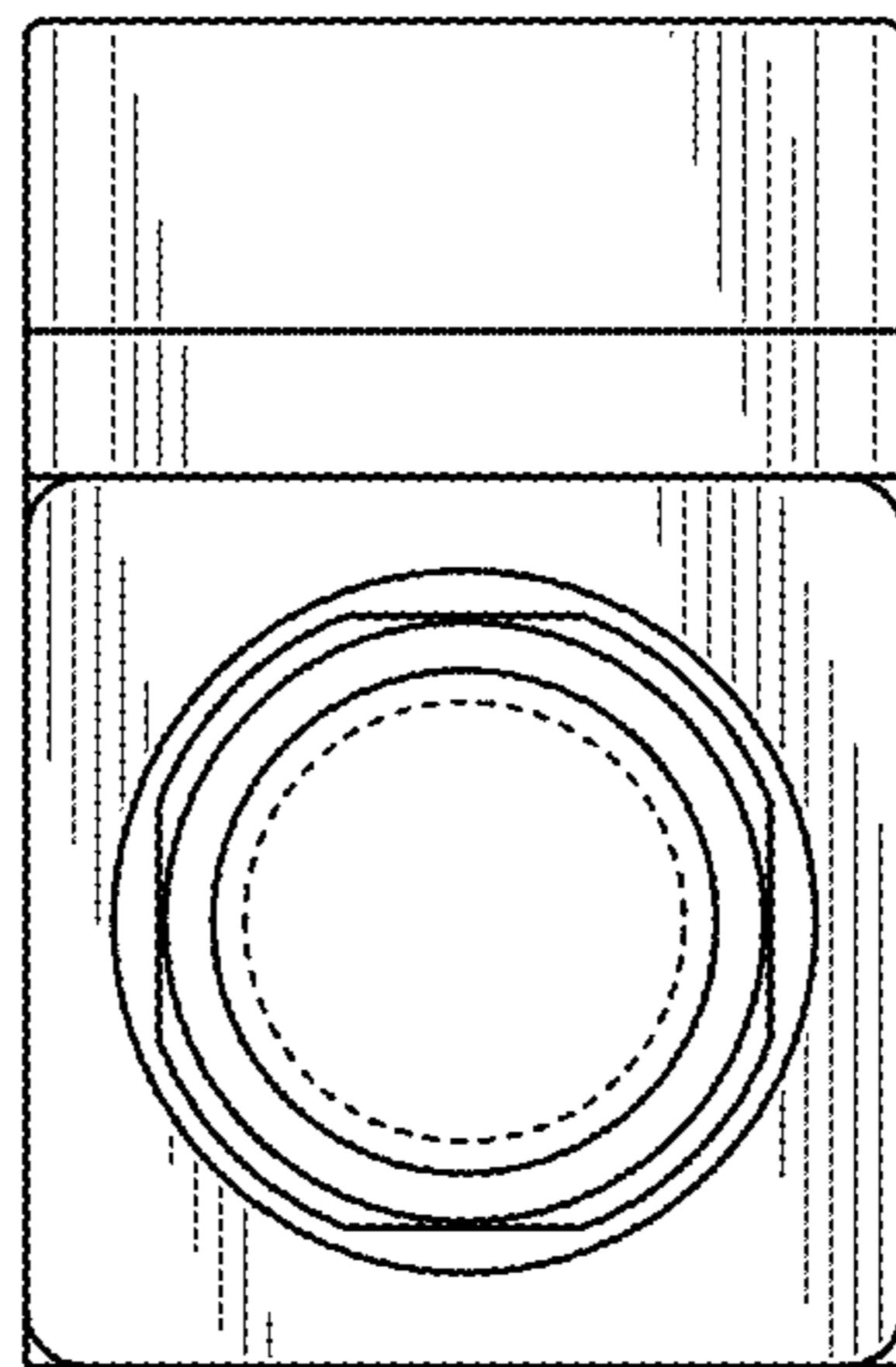


FIG. 9

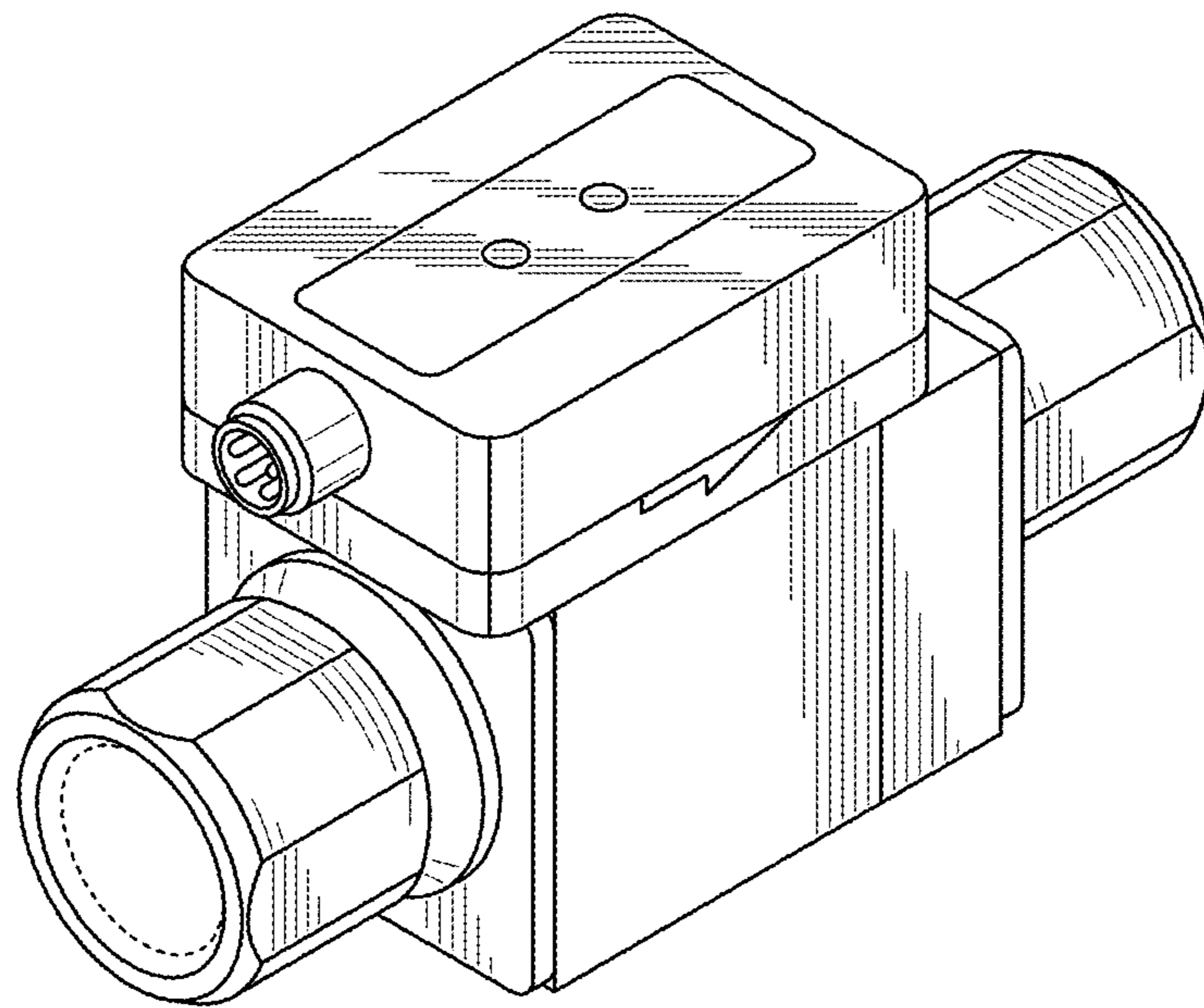


FIG. 10

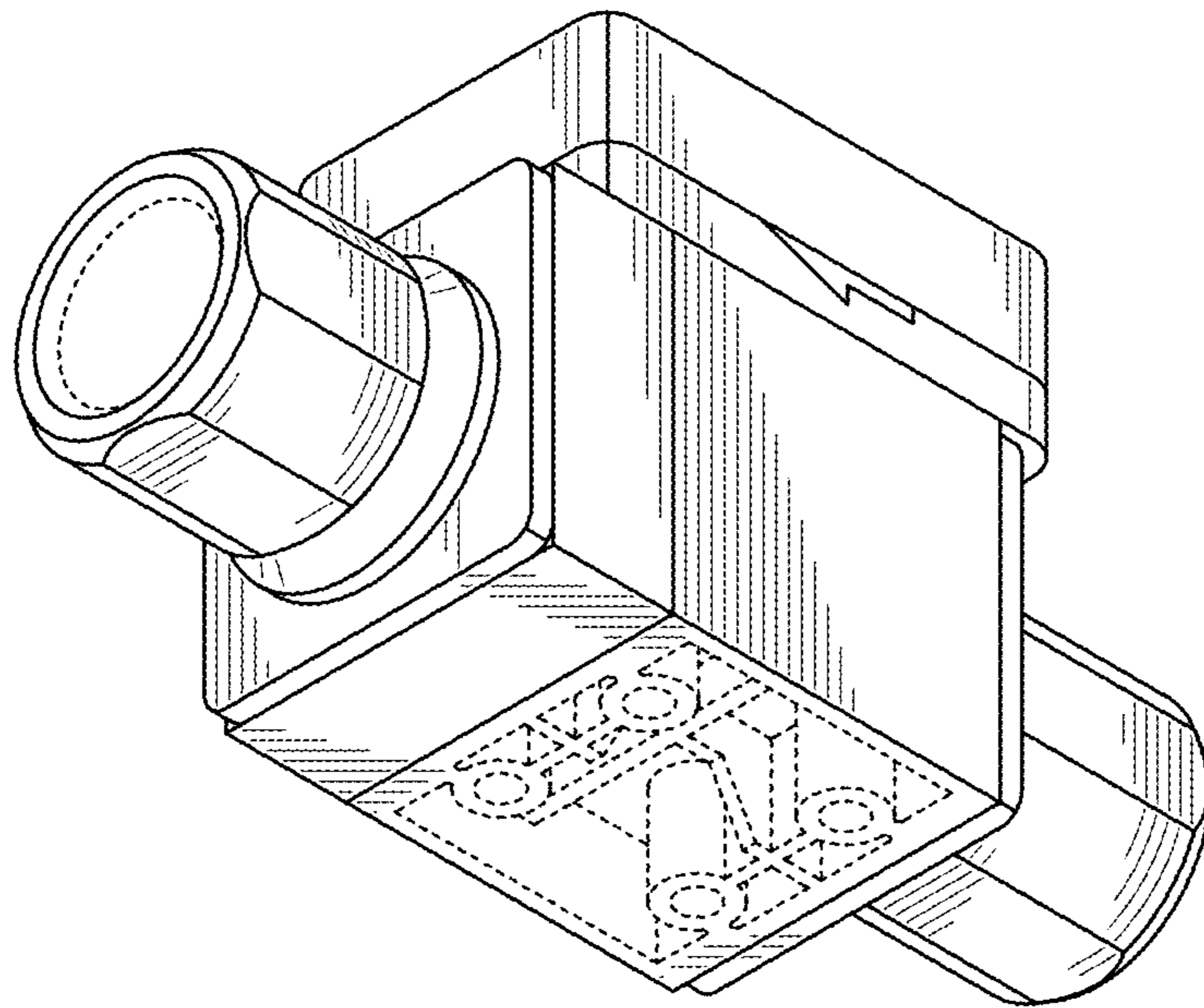


FIG. 11

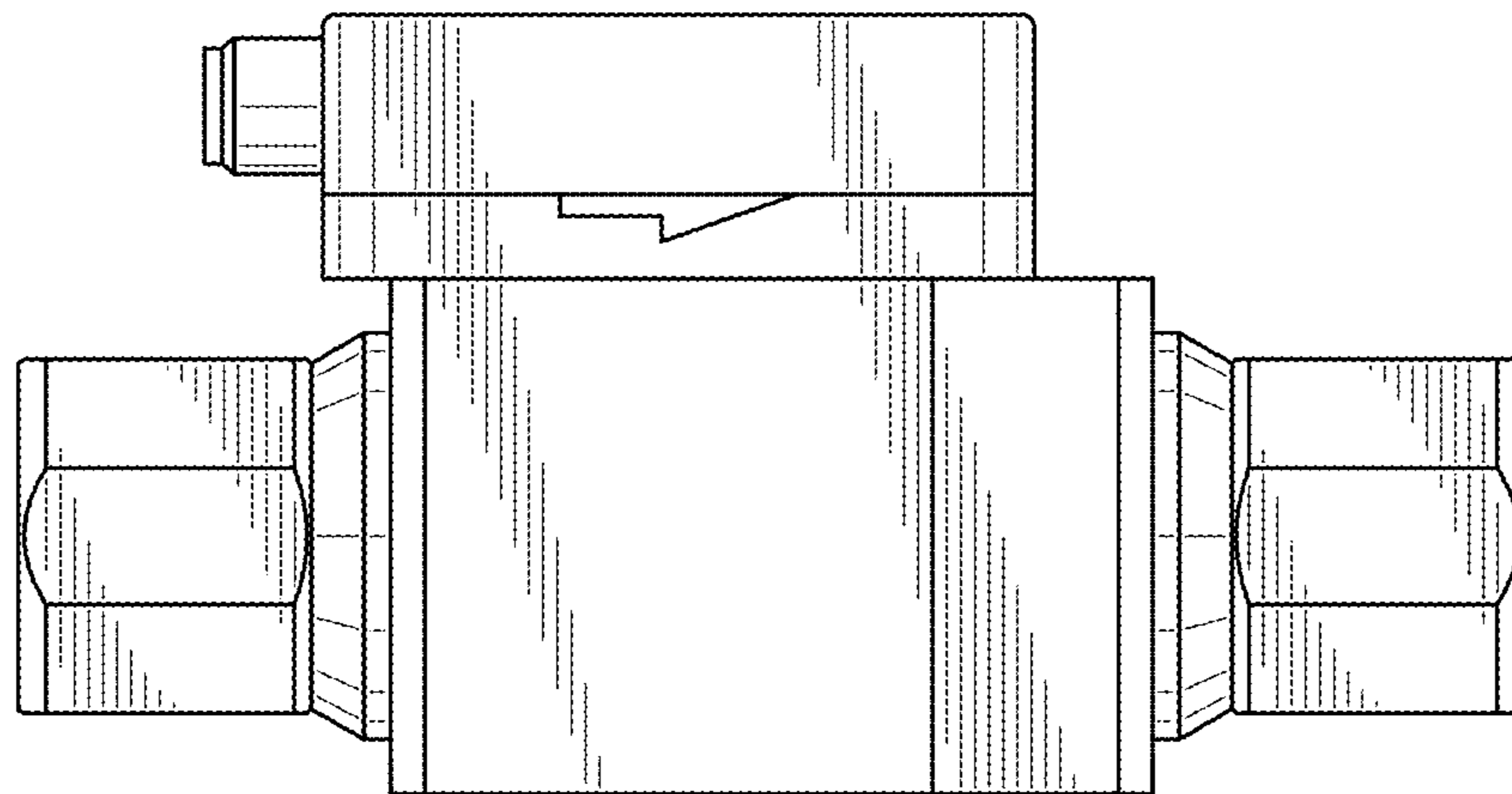


FIG. 12

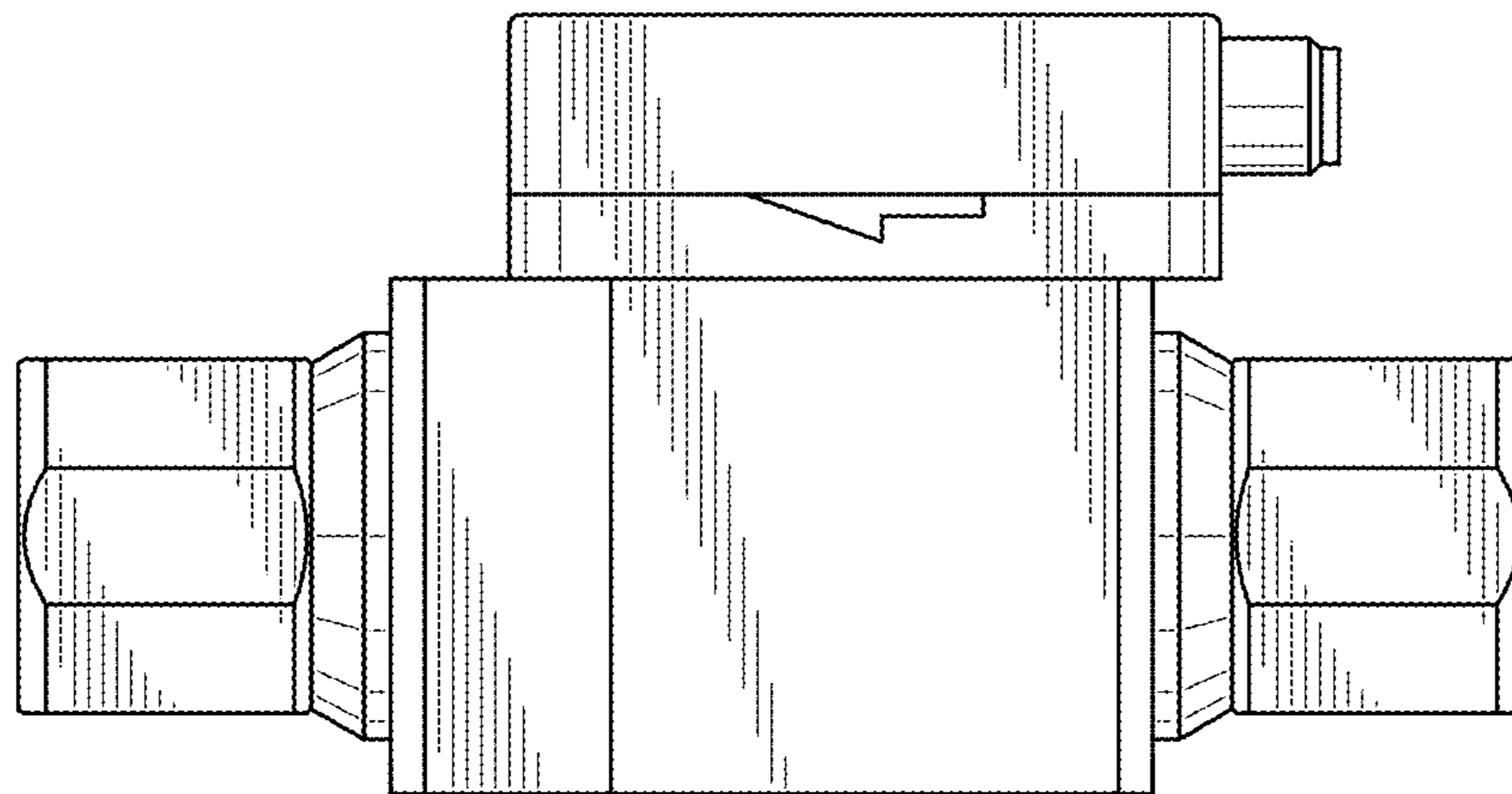


FIG. 13

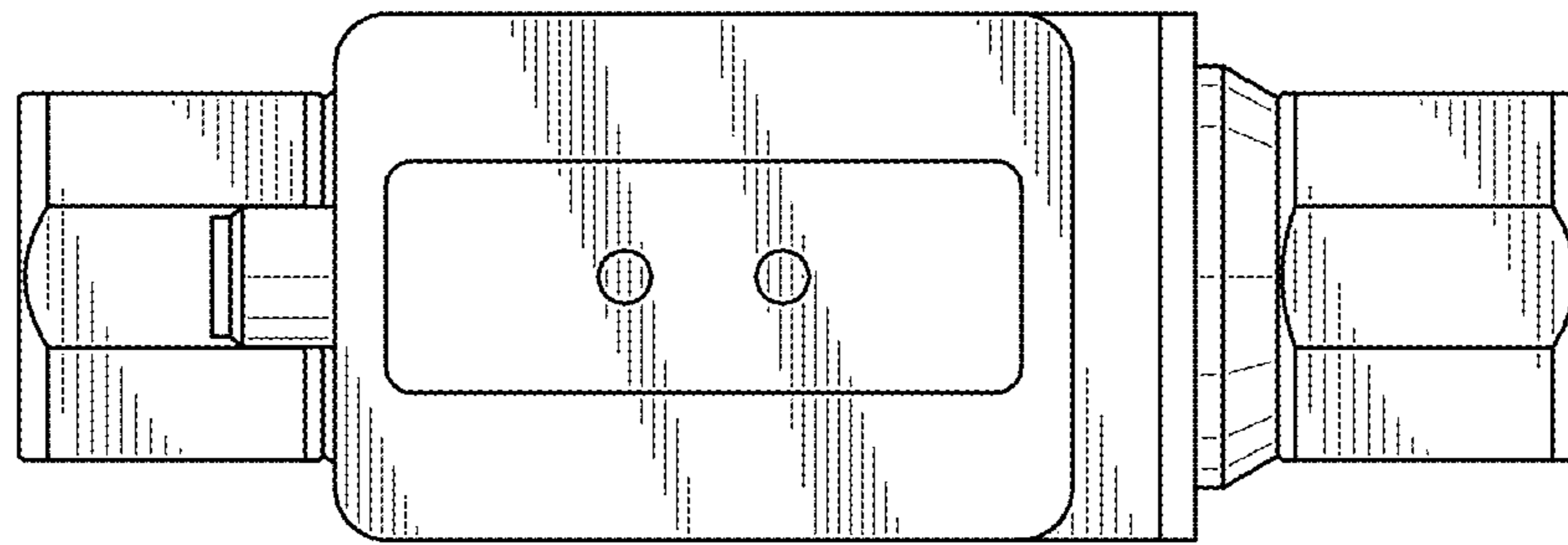


FIG. 14

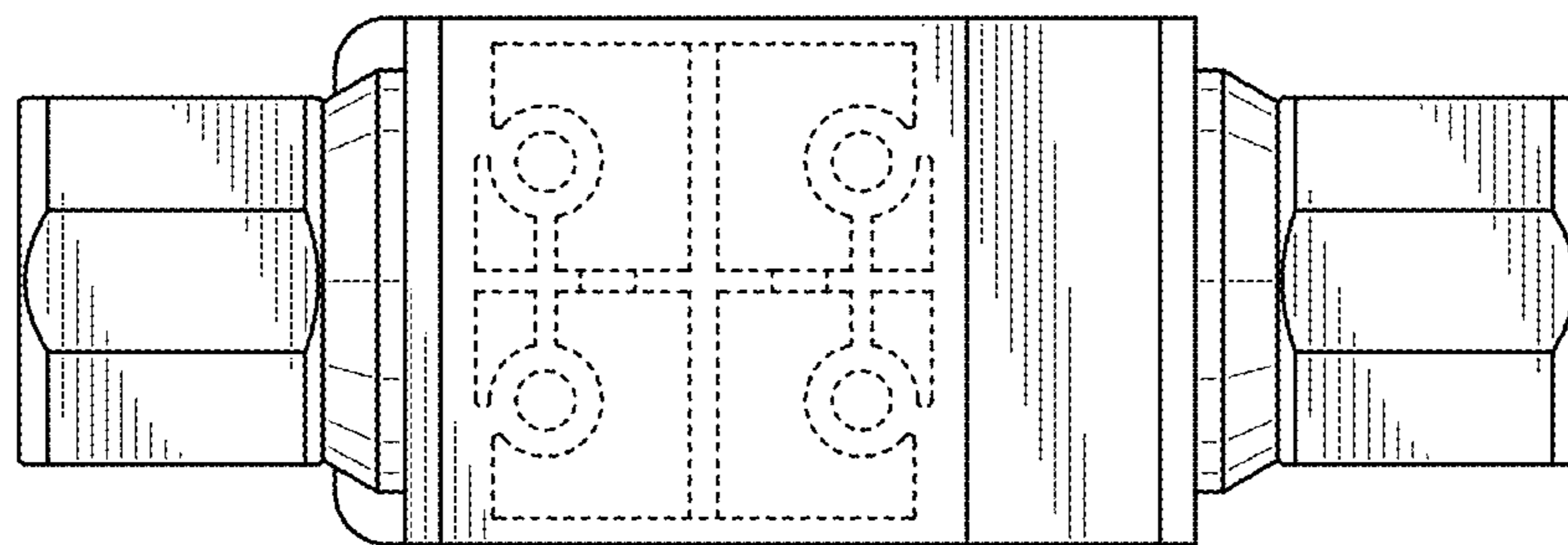


FIG. 15

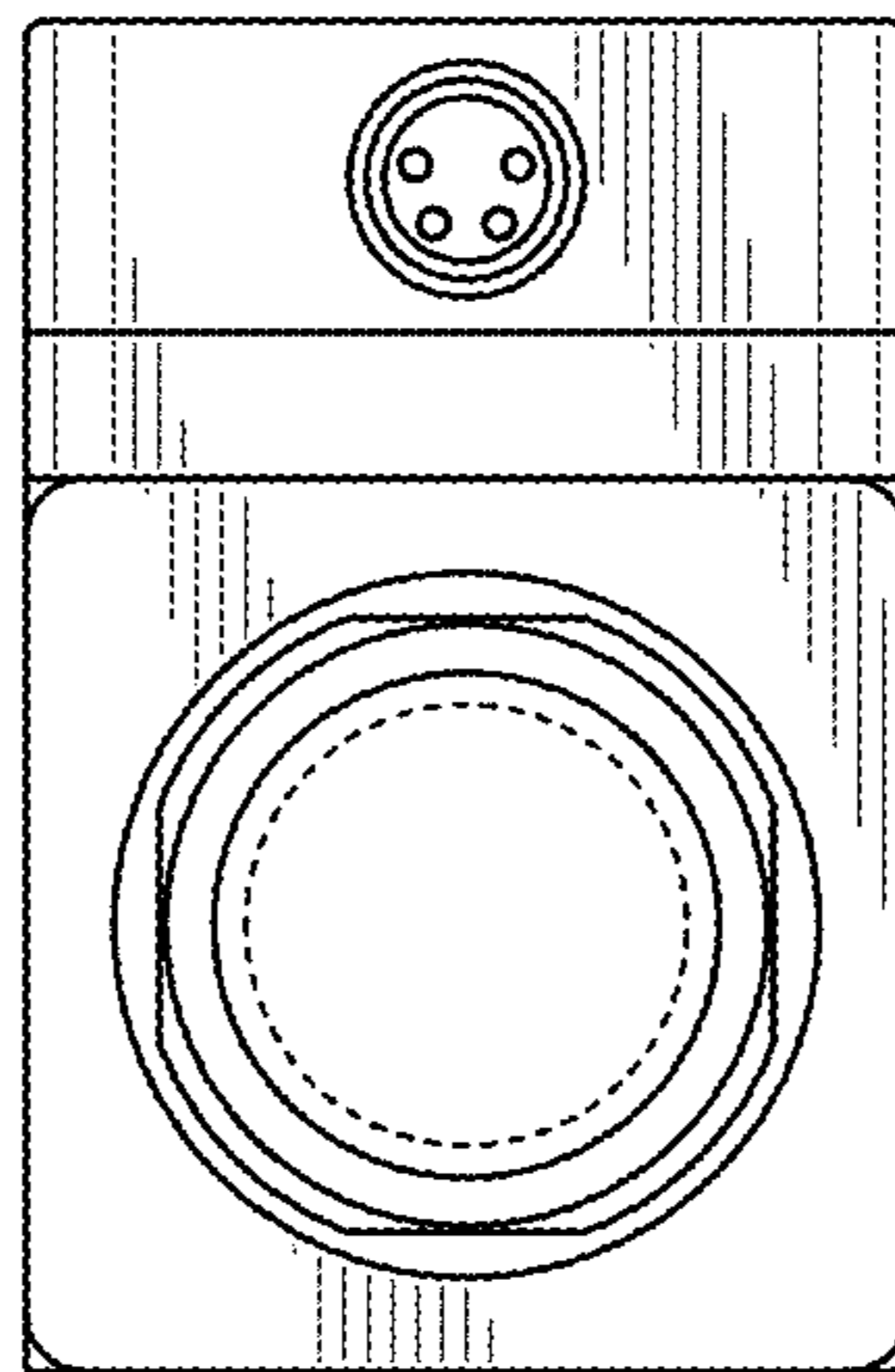


FIG. 16

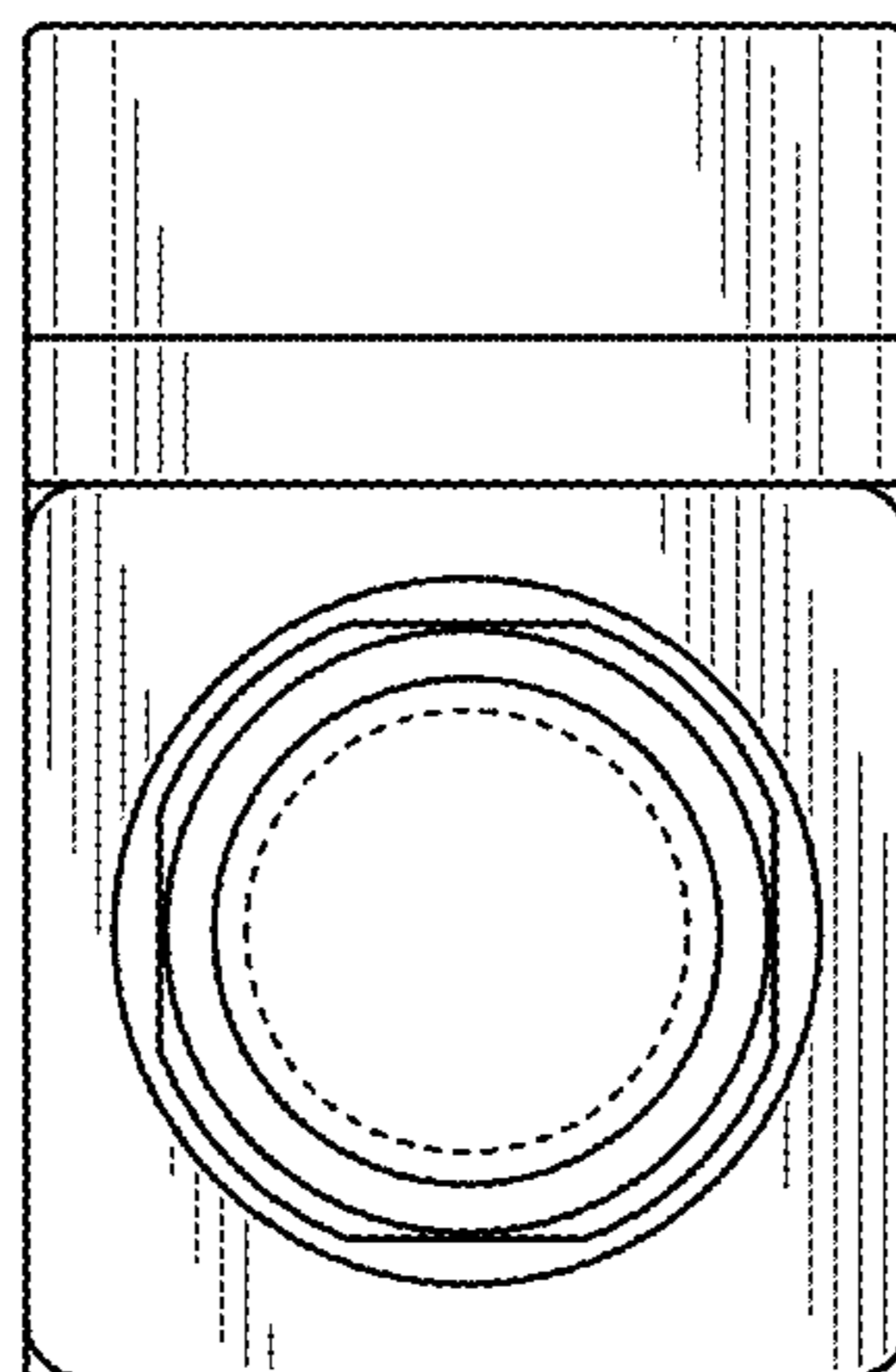


FIG. 17

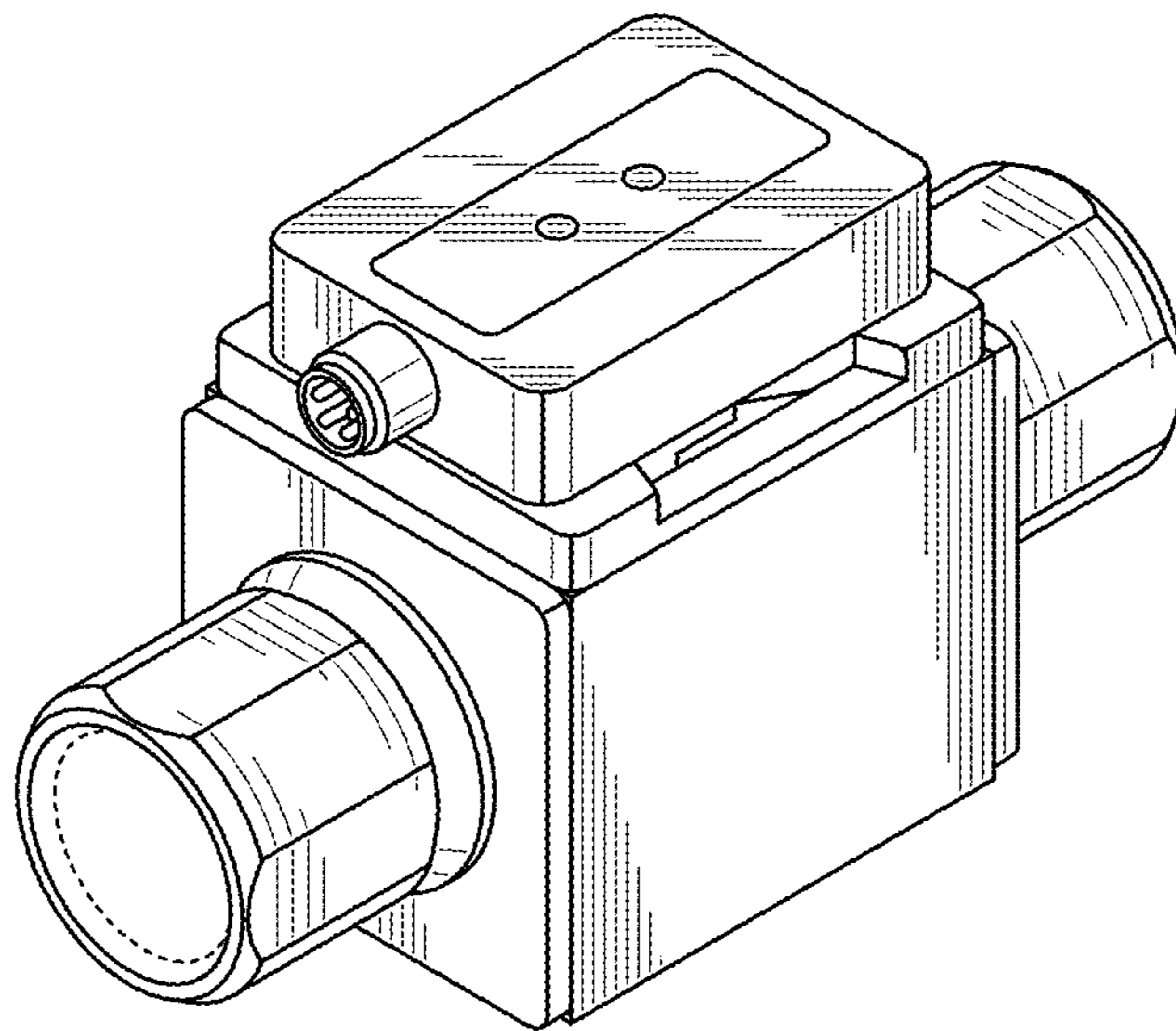


FIG. 18

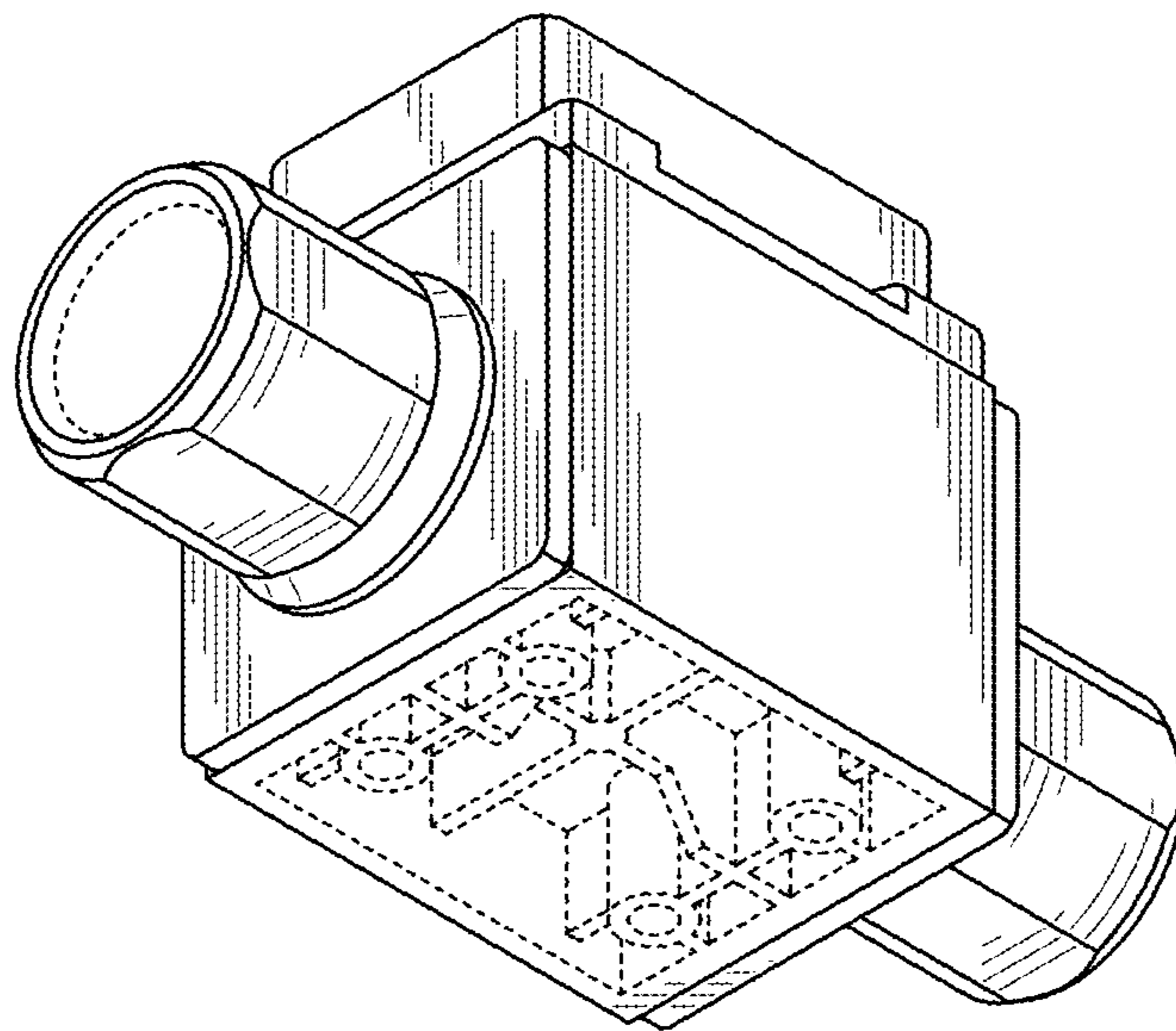


FIG. 19

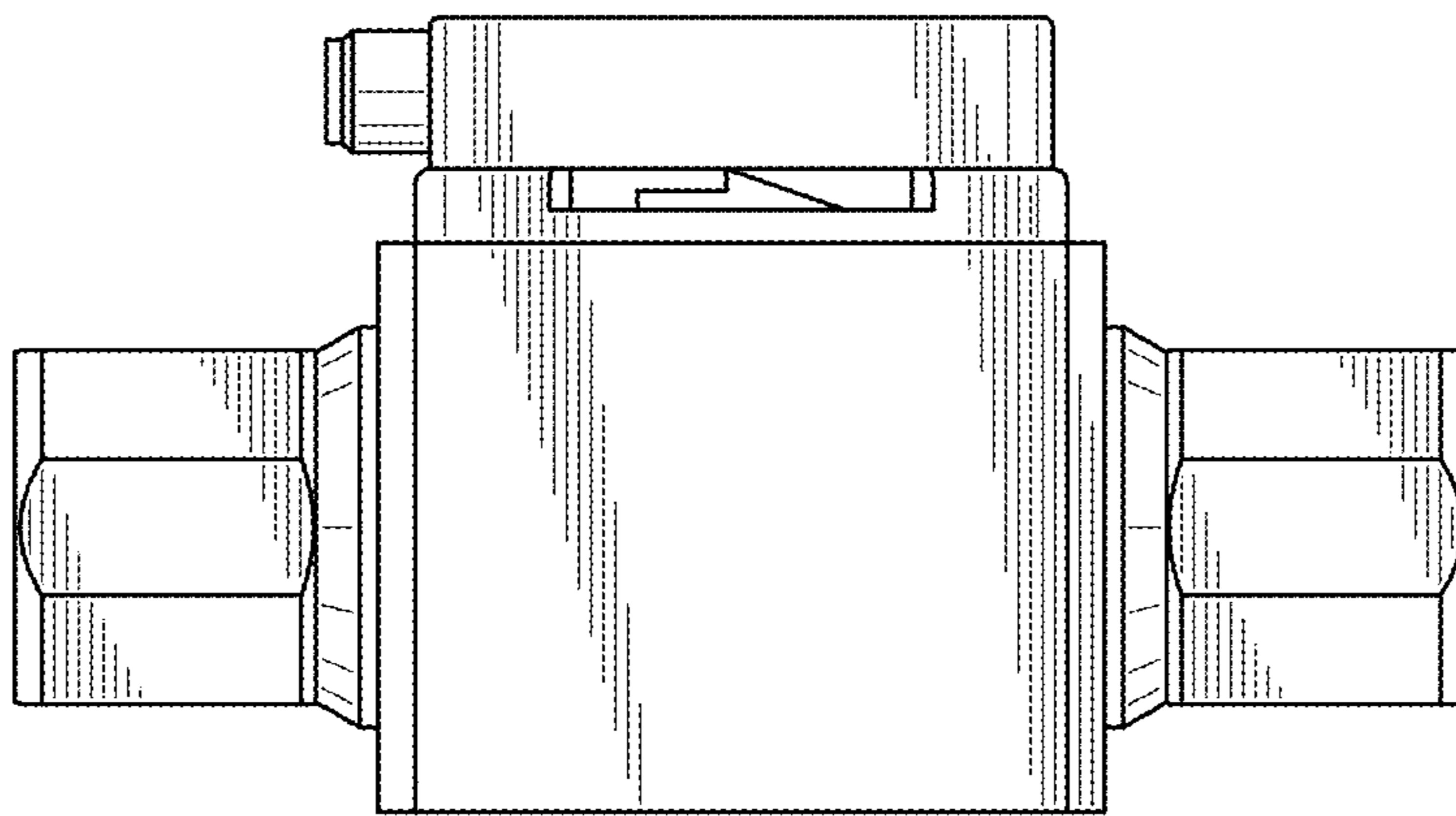


FIG. 20

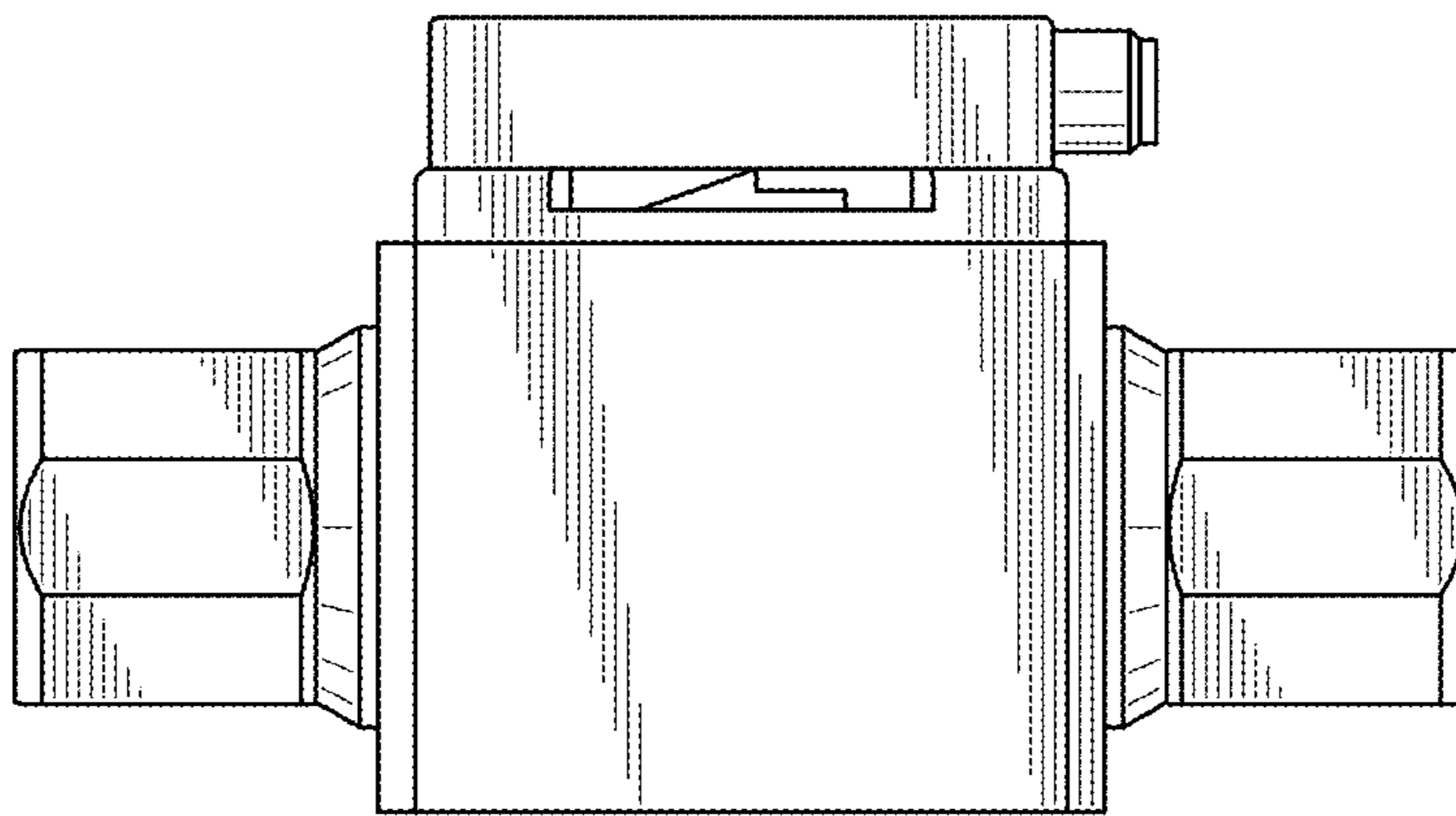


FIG. 21

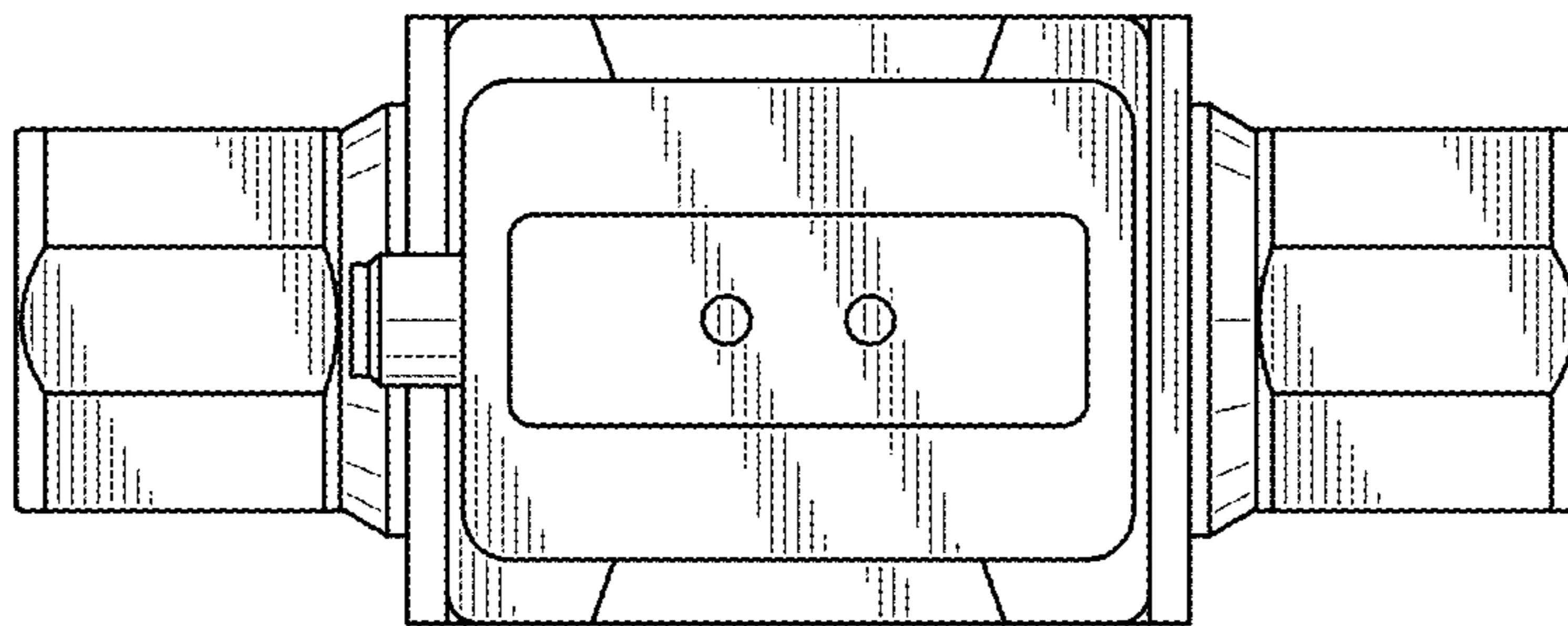


FIG. 22

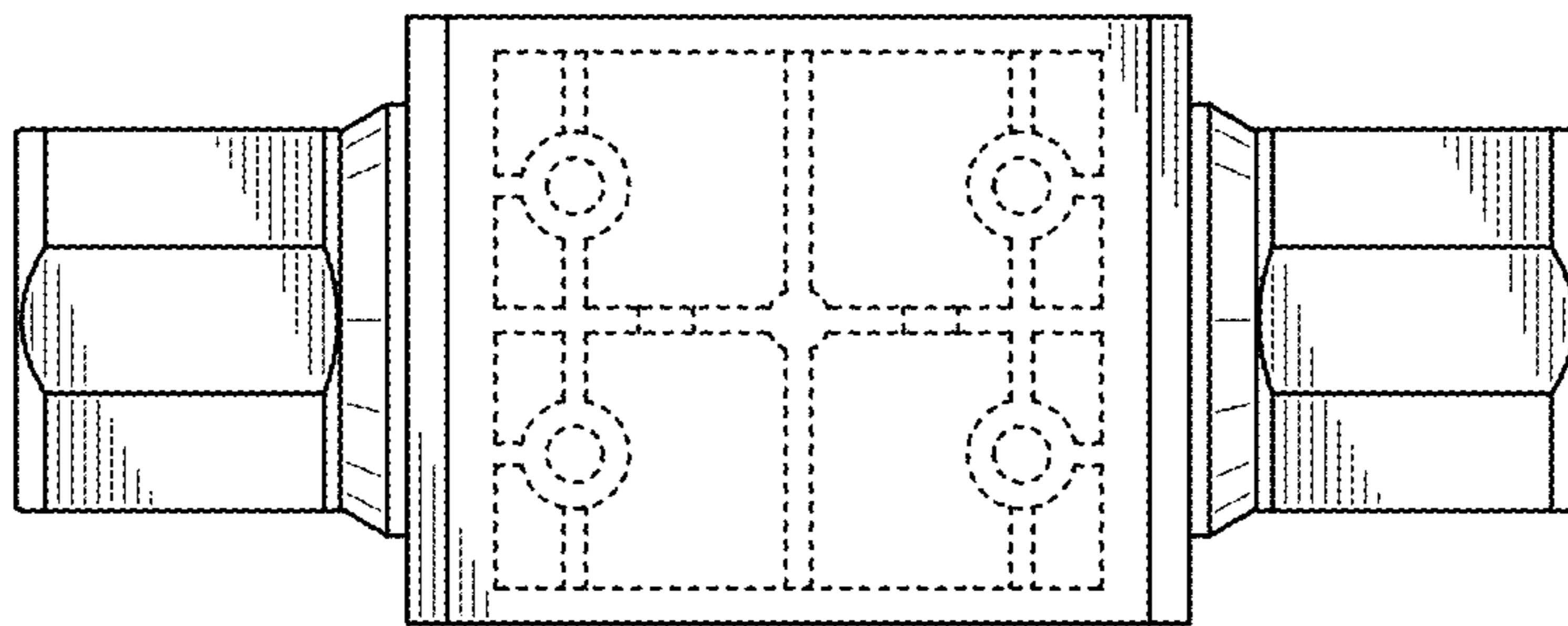


FIG. 23

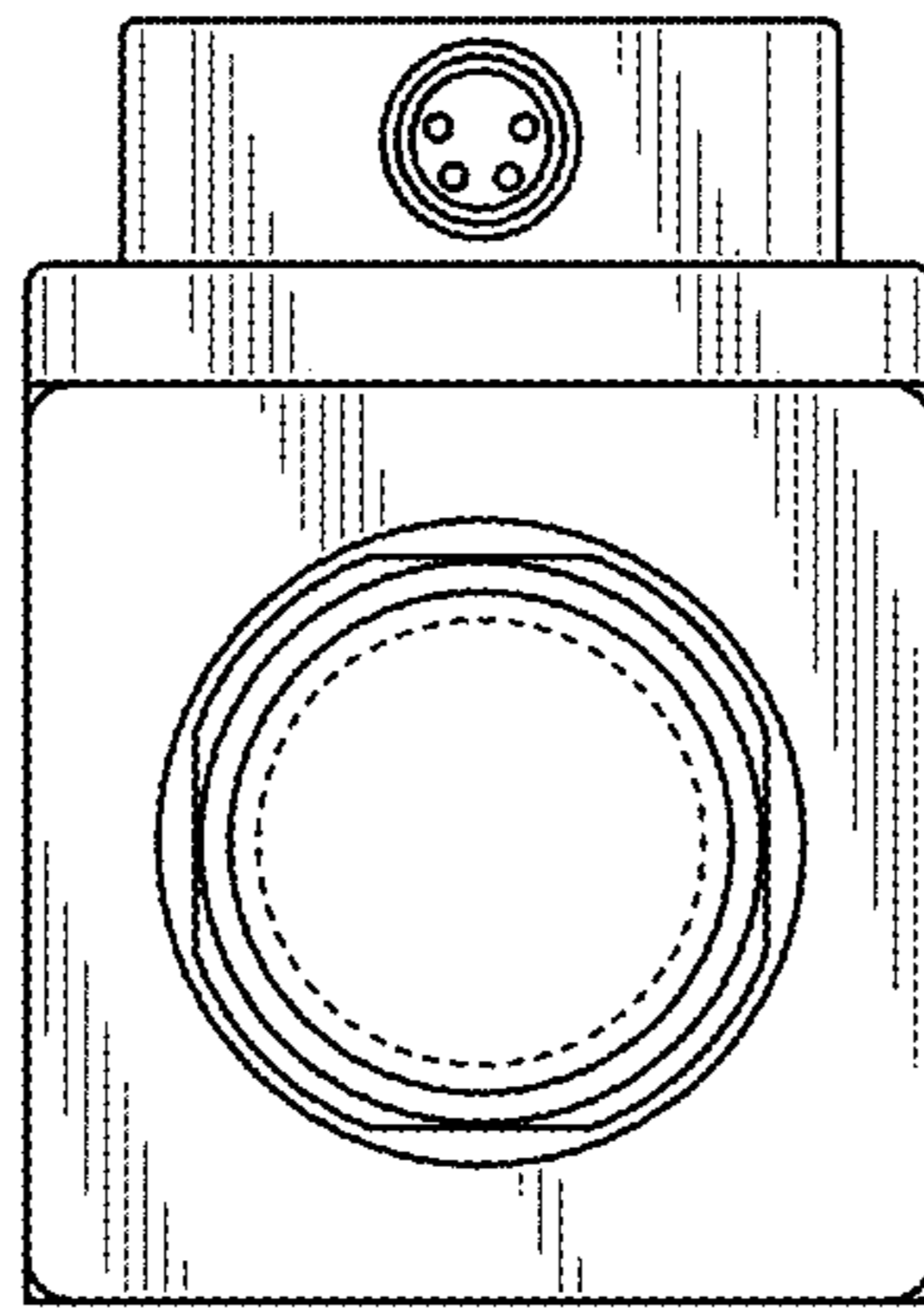


FIG. 24

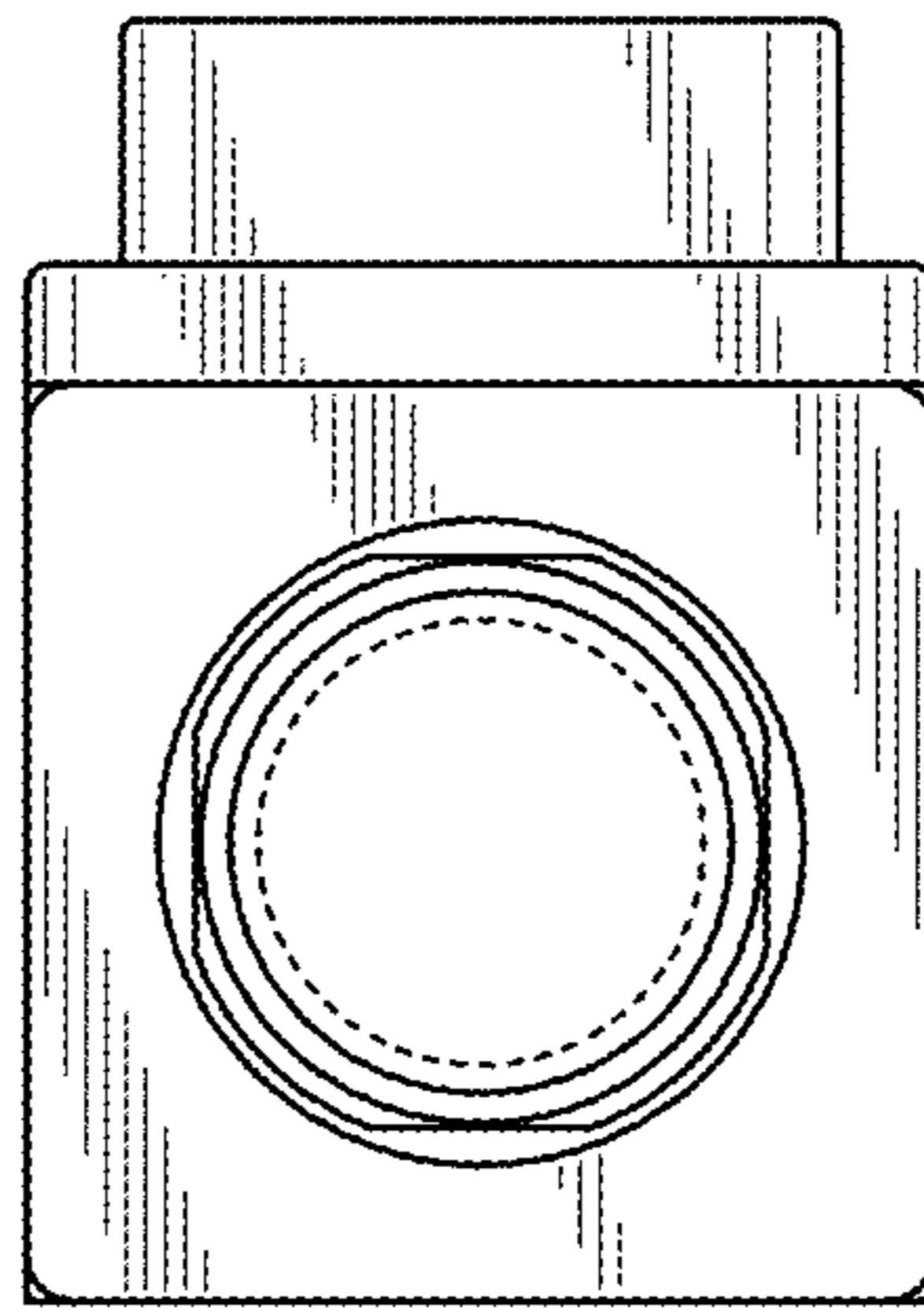


FIG. 25

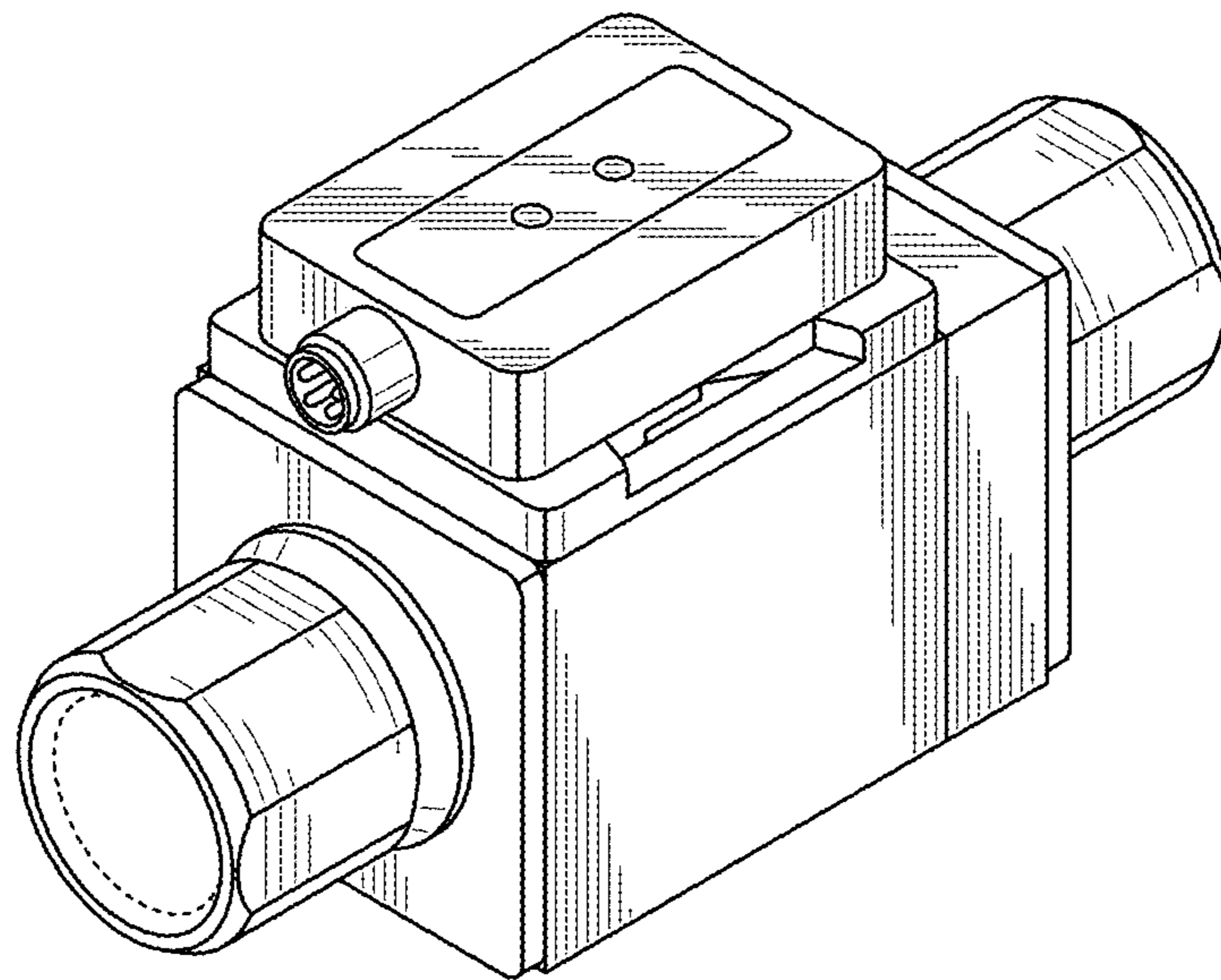


FIG. 26

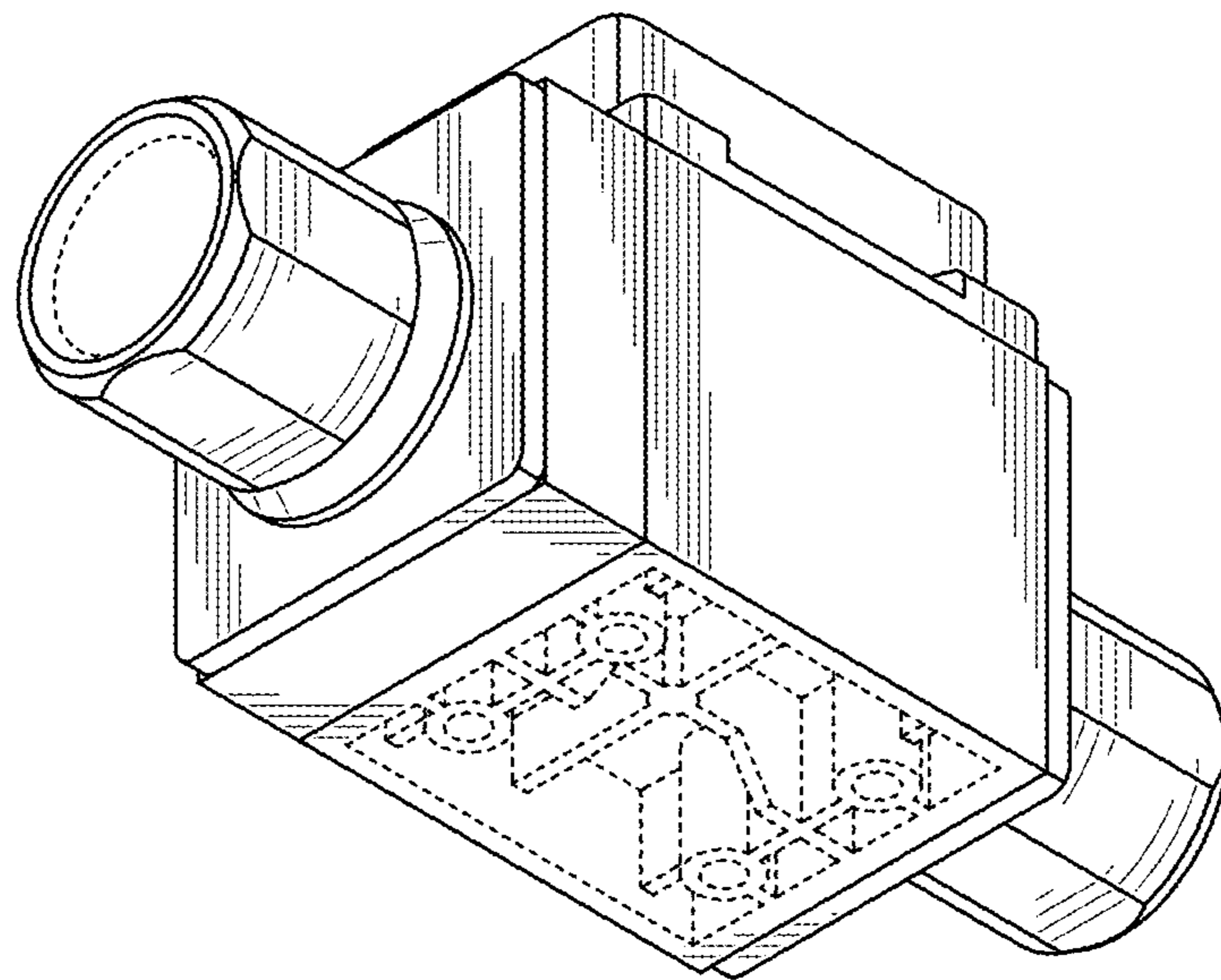


FIG. 27

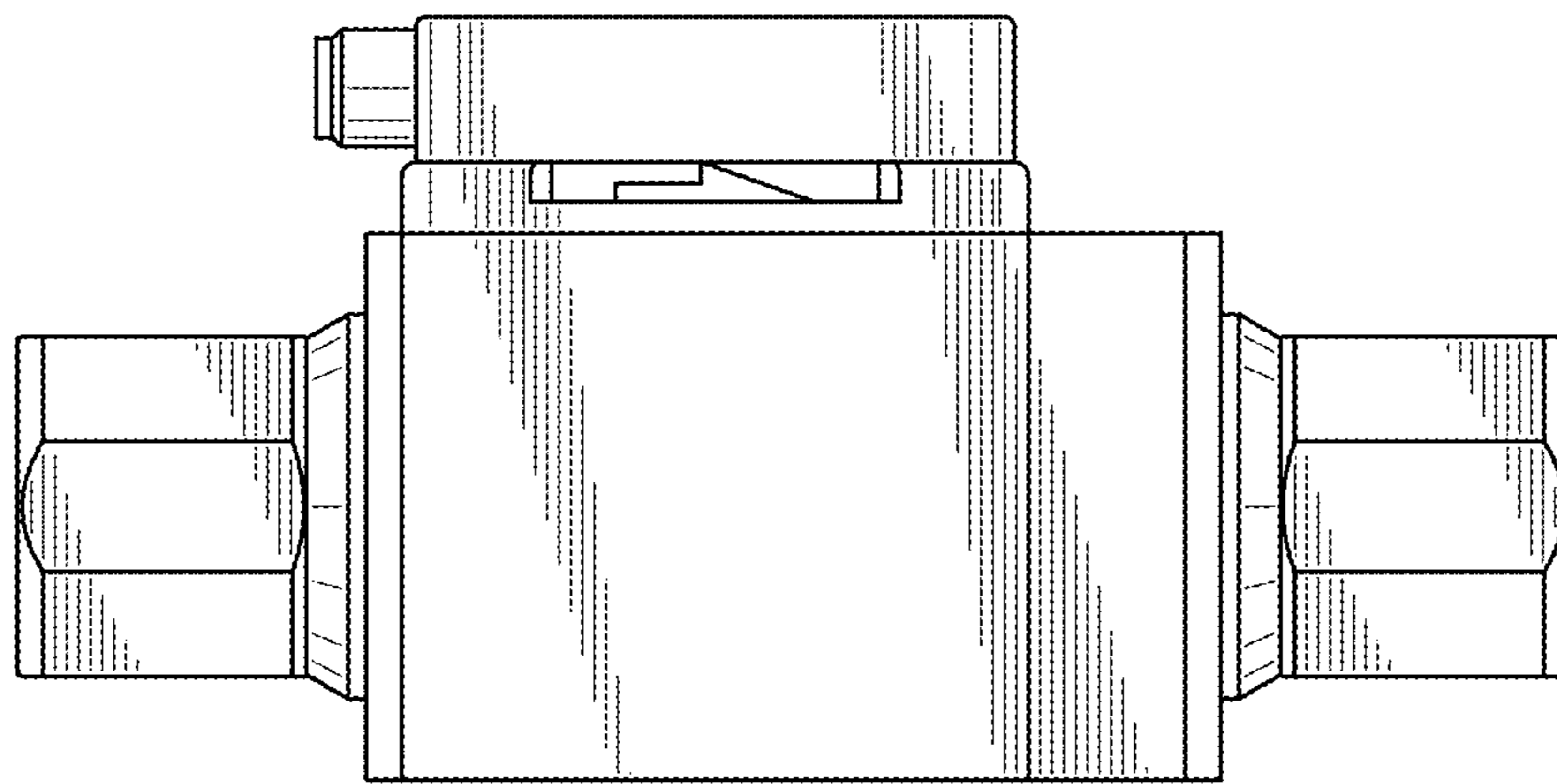


FIG. 28

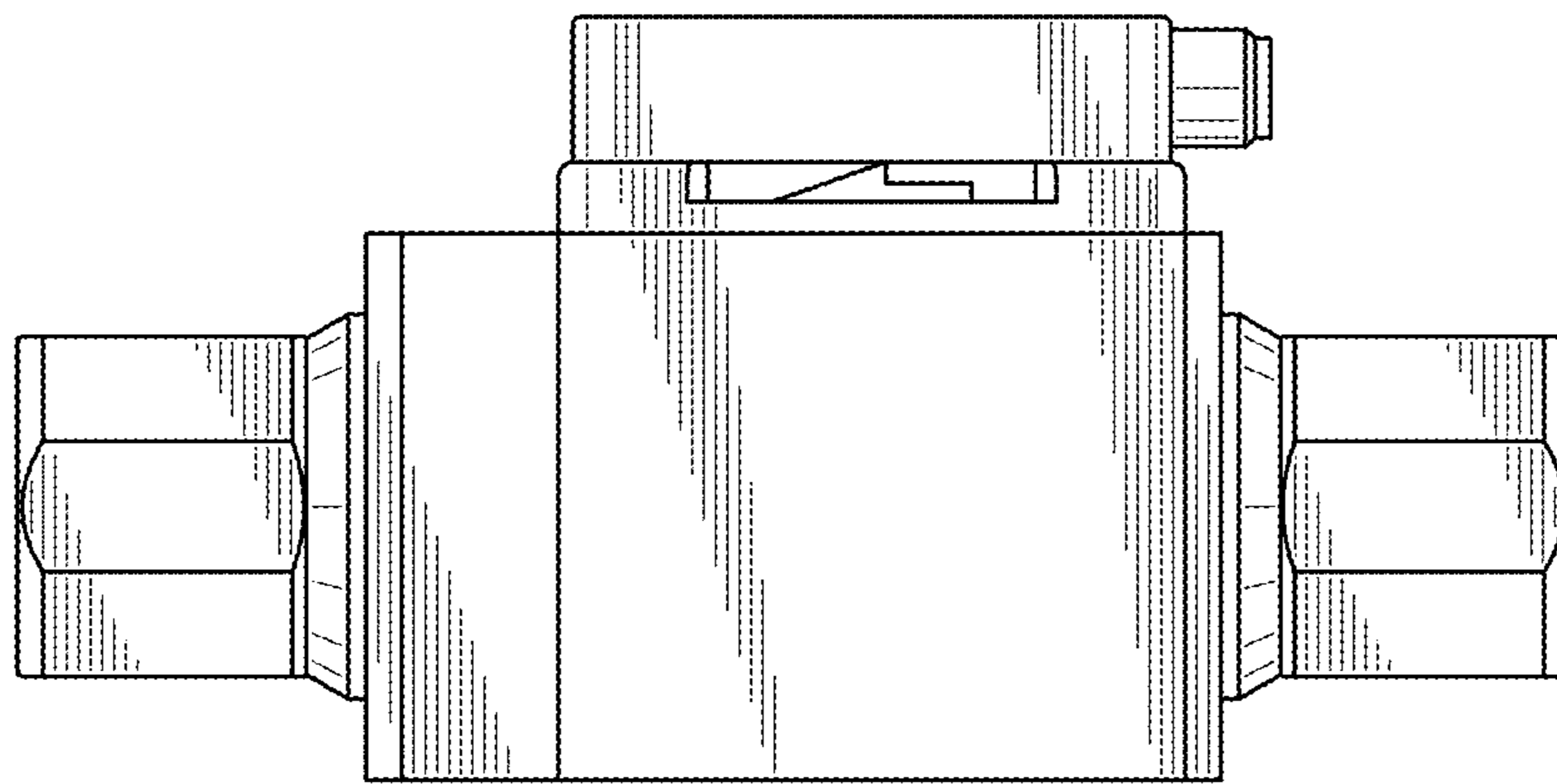


FIG. 29

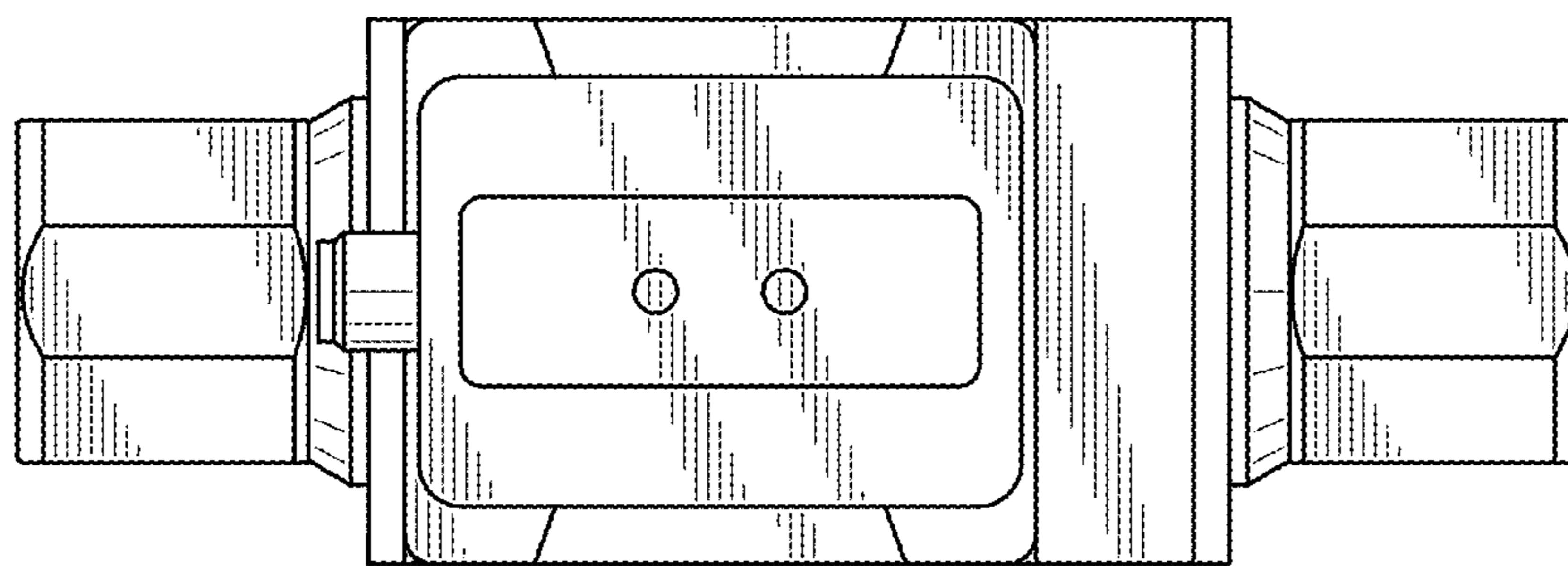


FIG. 30

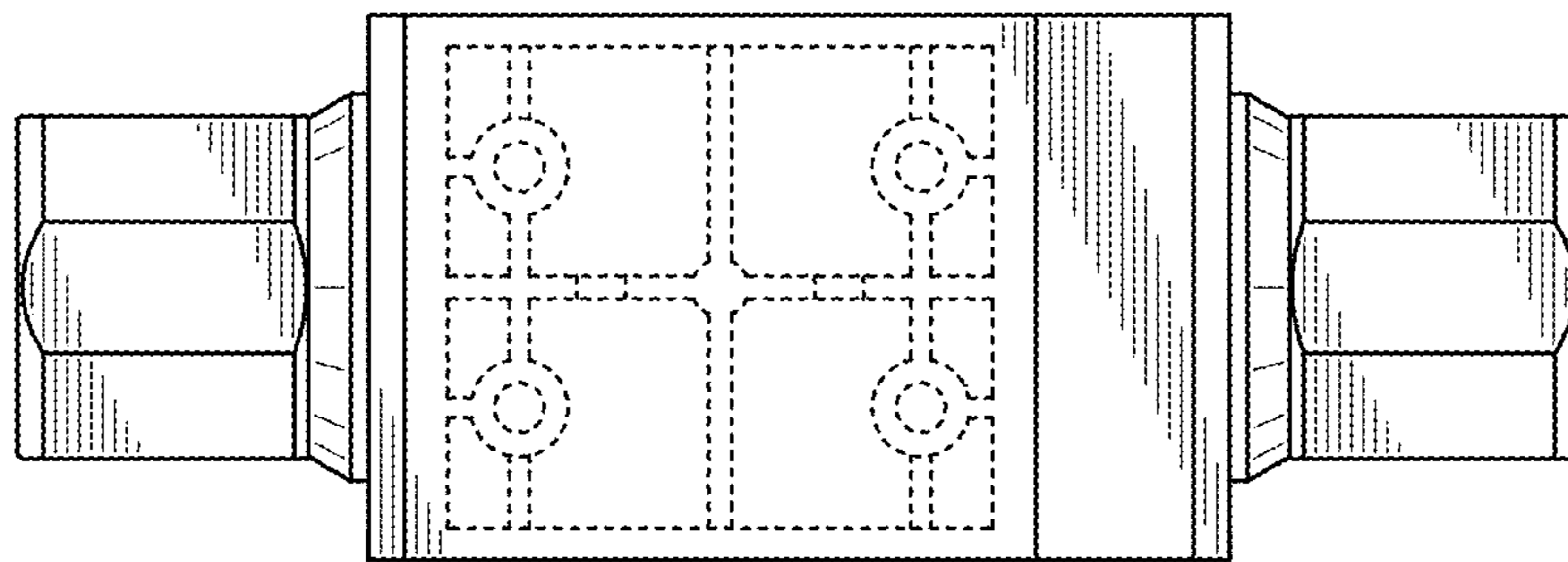


FIG. 31

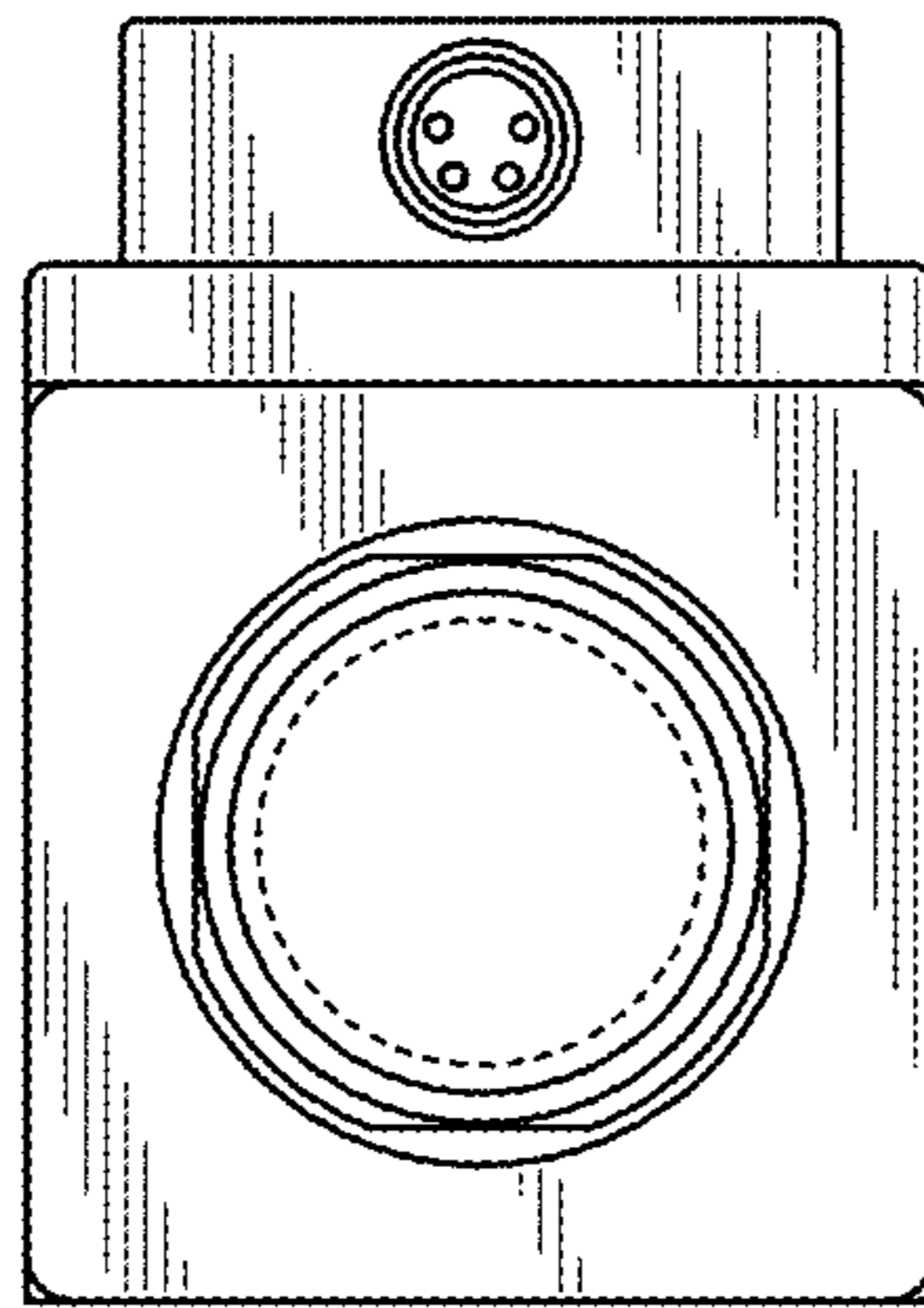


FIG. 32

