



US00D736896S

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

(10) **Patent No.:** **US D736,896 S**

(45) **Date of Patent:** **** Aug. 18, 2015**

(54) **FLOW-RATE CONTROL VALVE**

(71) Applicant: **SMC CORPORATION**, Tokyo (JP)

(72) Inventor: **Akiho Nishimura**, Moriya (JP)

(73) Assignee: **SMC CORPORATION**, Tokyo (JP)

(**) Term: **14 Years**

(21) Appl. No.: **29/502,089**

(22) Filed: **Sep. 11, 2014**

(51) **LOC (10) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/233**

(58) **Field of Classification Search**

USPC D23/233-269; 137/498, 545, 547, 549,
137/377, 614.17; 251/62, 63, 63.5, 129.01,
251/129.1, 129.16-129.18, 368, 205, 208,
251/215, 309-310, 312, 904, 311

CPC F16K 47/08; F16K 15/188; F16K 31/12;
F16K 5/10; F16K 11/0716; F16K 11/0853

See application file for complete search history.

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Assistant Examiner — Gino Colan

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Birch, LLP

(57) **CLAIM**

The ornamental design for a flow-rate control valve, as
shown.

DESCRIPTION

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

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom plan view thereof;

FIG. 6 is a left side view thereof;

FIG. 7 is a right side view thereof;

FIG. 8 is a front, top and right side perspective view of a
flow-rate control valve showing a second embodiment of my
new design;

FIG. 9 is a front view thereof;

FIG. 10 is a rear view thereof;

FIG. 11 is a top plan view thereof;

FIG. 12 is a bottom plan view thereof;

FIG. 13 is a left side view thereof;

FIG. 14 is a right side view thereof;

FIG. 15 is a rear, top and right side perspective view of a
flow-rate control valve showing a third embodiment of my
new design;

FIG. 16 is a front view thereof;

FIG. 17 is a rear view thereof;

FIG. 18 is a top plan view thereof;

FIG. 19 is a bottom plan view thereof;

FIG. 20 is a left side view thereof;

FIG. 21 is a right side view thereof;

FIG. 22 is a rear, top and left side perspective view of a
flow-rate control valve showing a fourth embodiment of my
new design;

FIG. 23 is a front view thereof;

FIG. 24 is a rear view thereof;

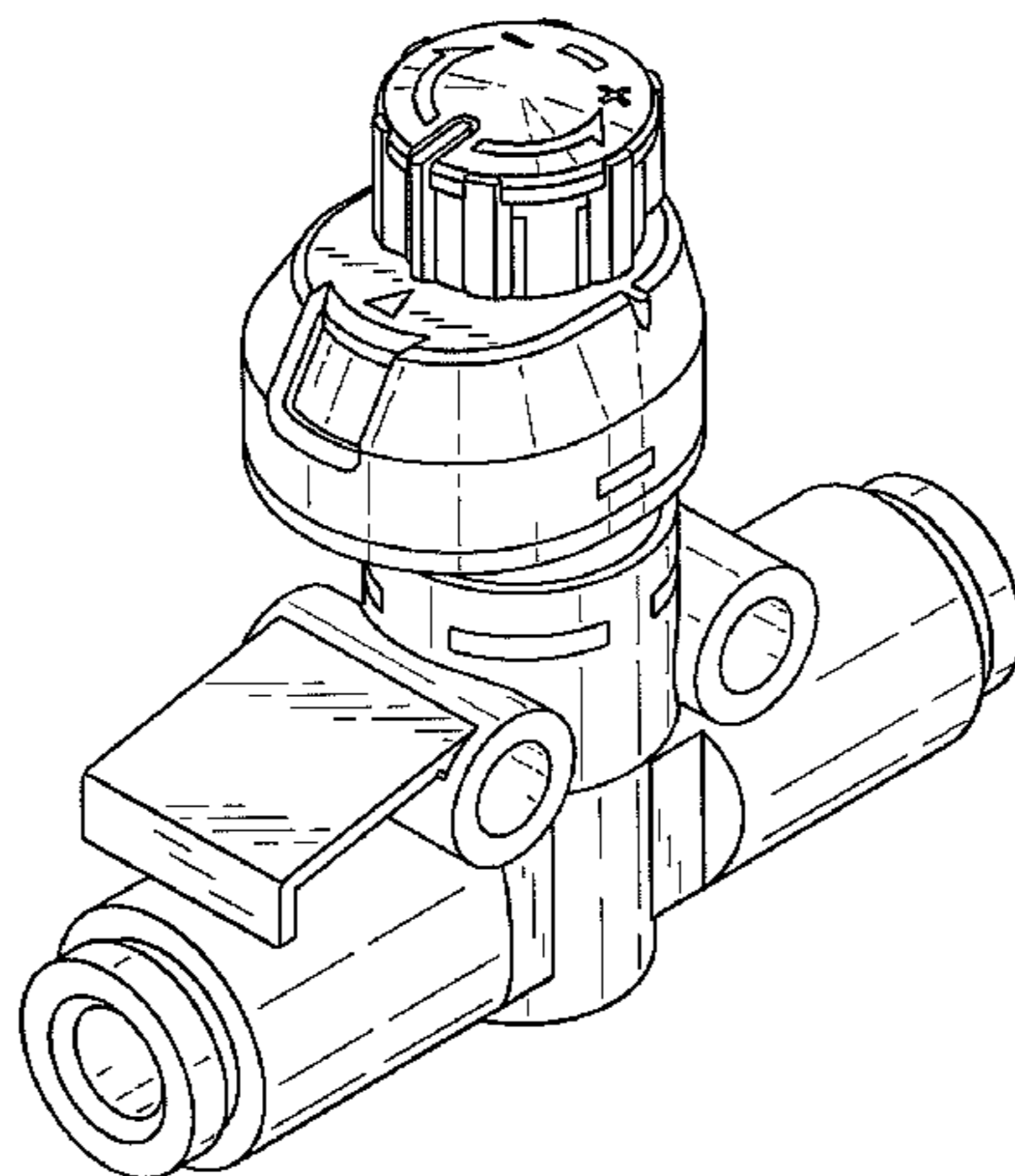
FIG. 25 is a top plan view thereof;

FIG. 26 is a bottom plan view thereof;

FIG. 27 is a left side view thereof; and,

FIG. 28 is a right side view thereof.

1 Claim, 28 Drawing Sheets



(56)

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FIG. 1

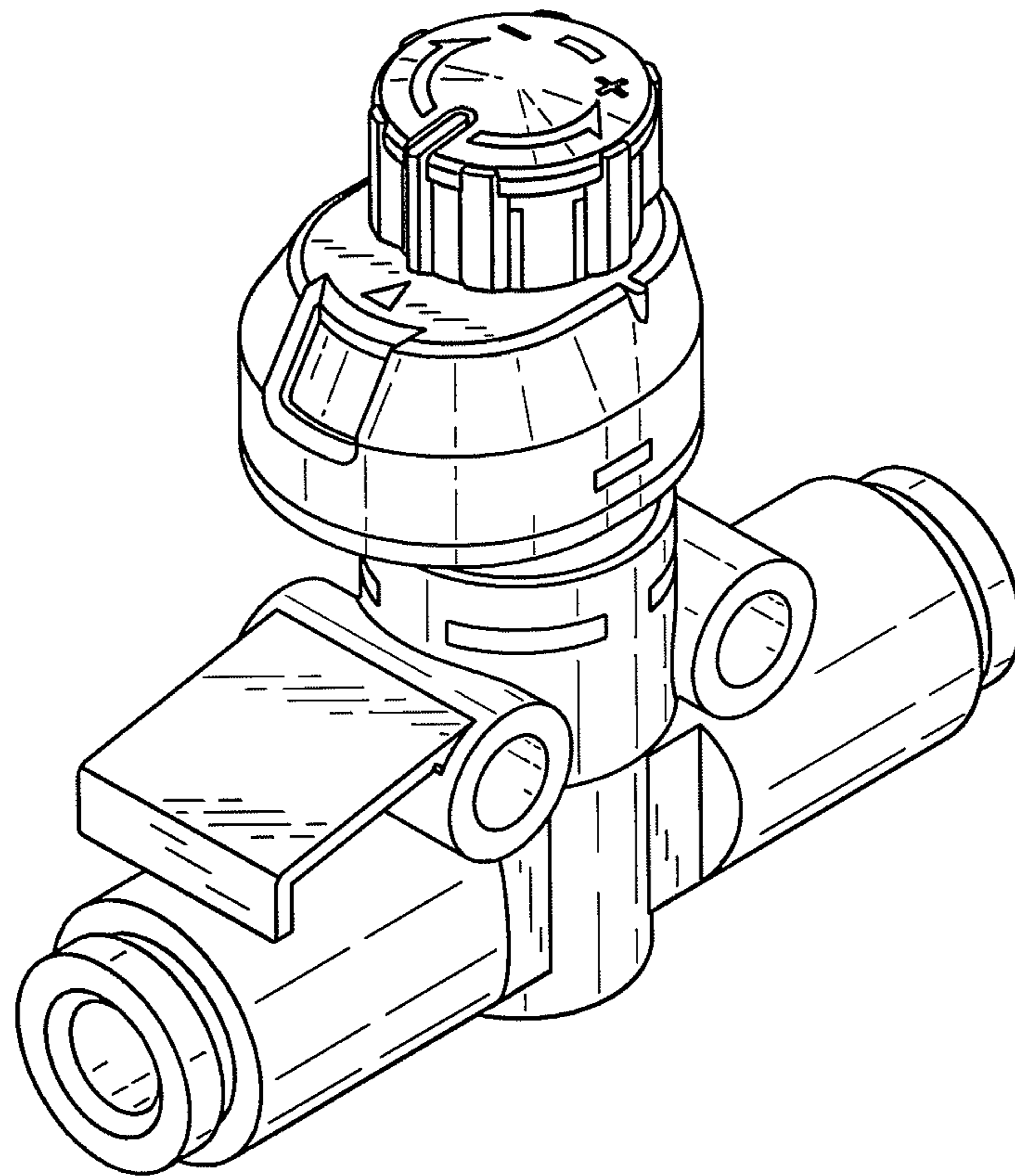


FIG. 2

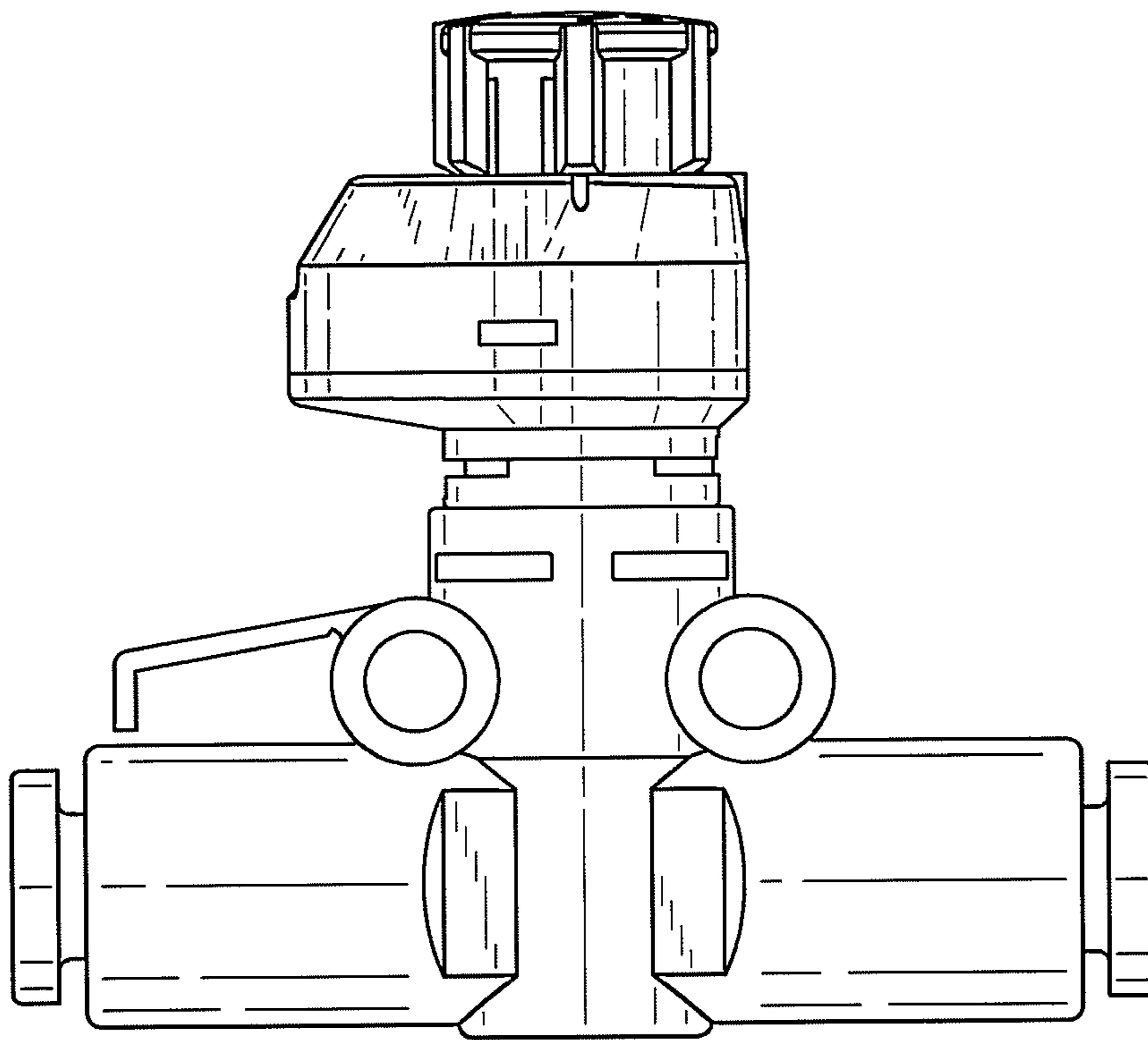


FIG. 3

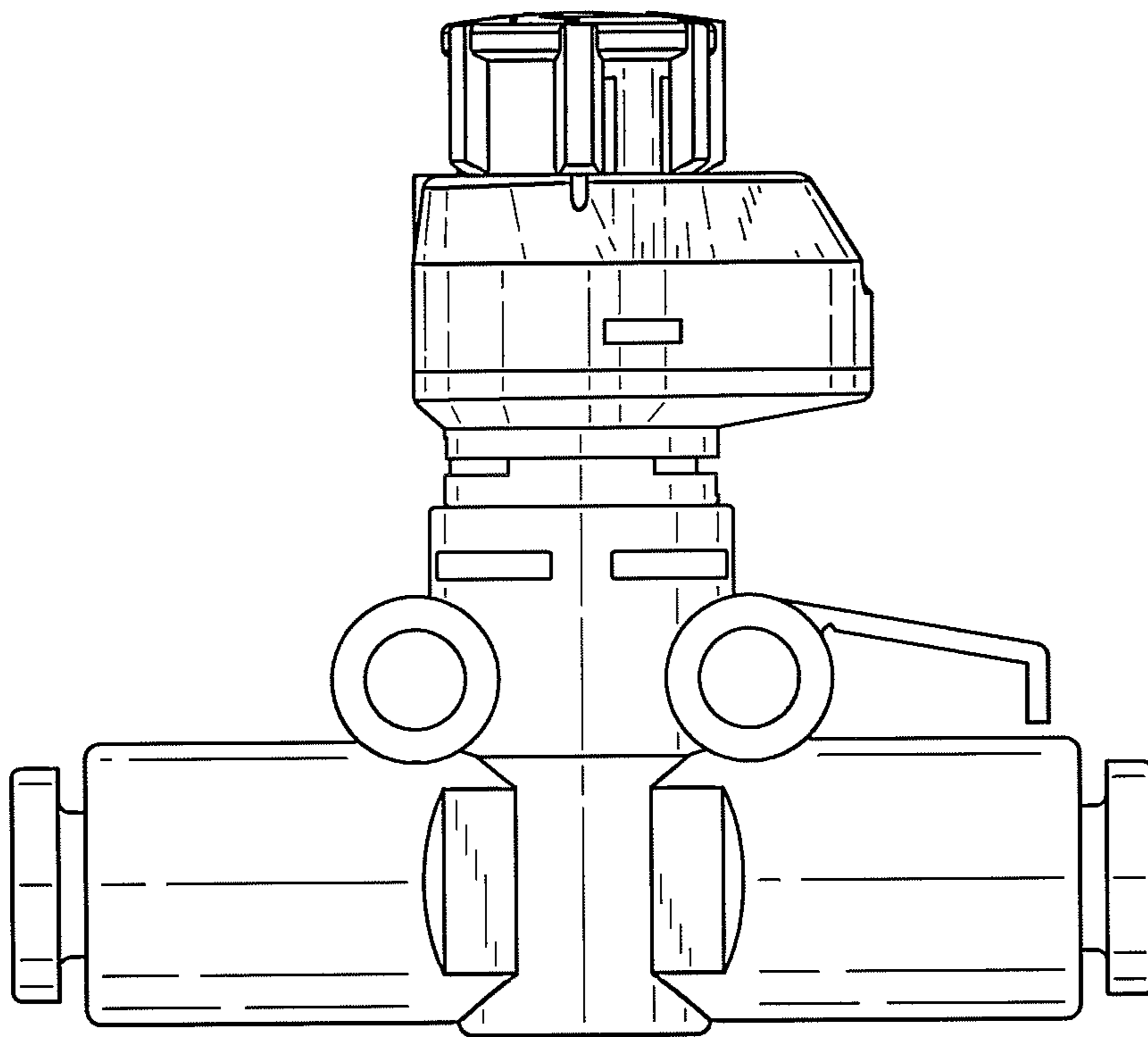


FIG. 4

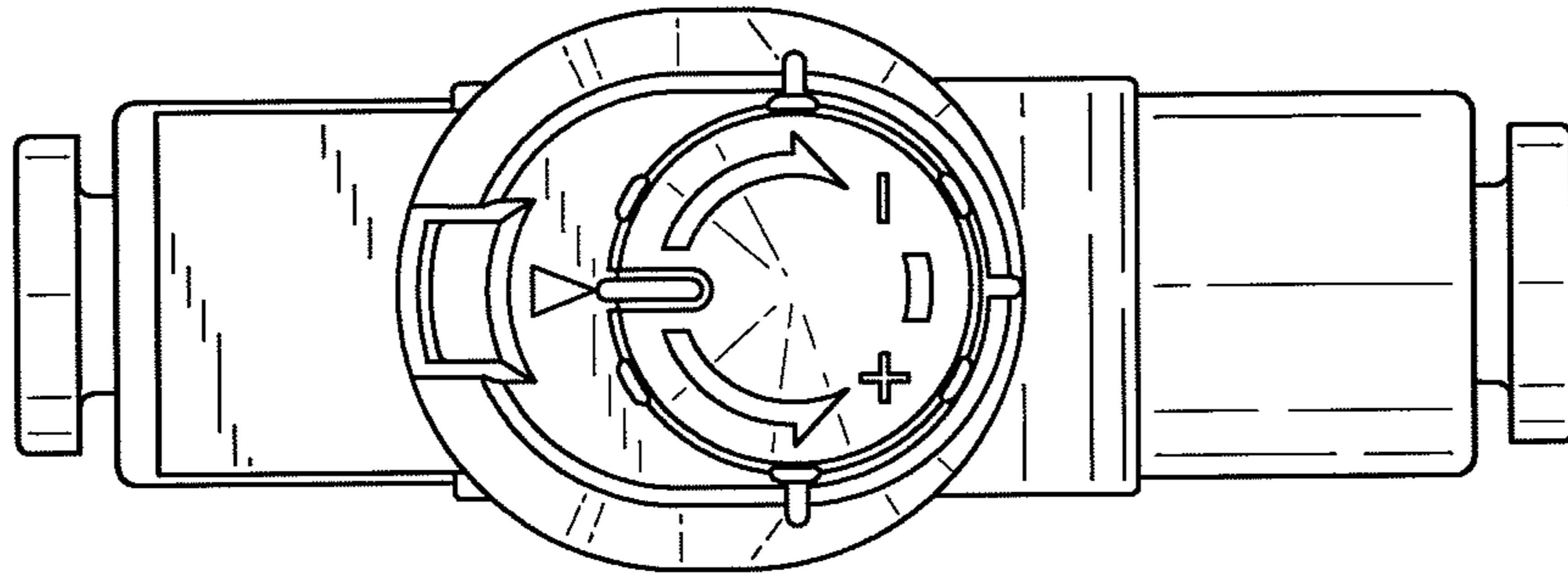


FIG. 5

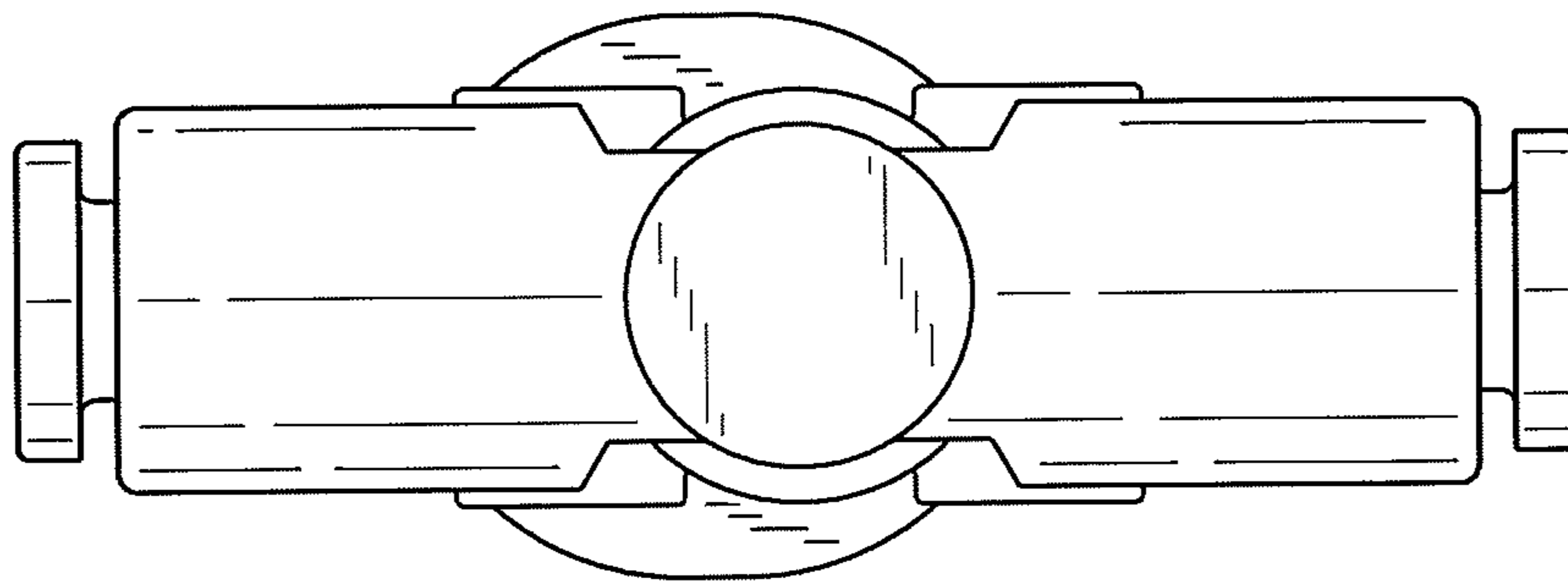


FIG. 6

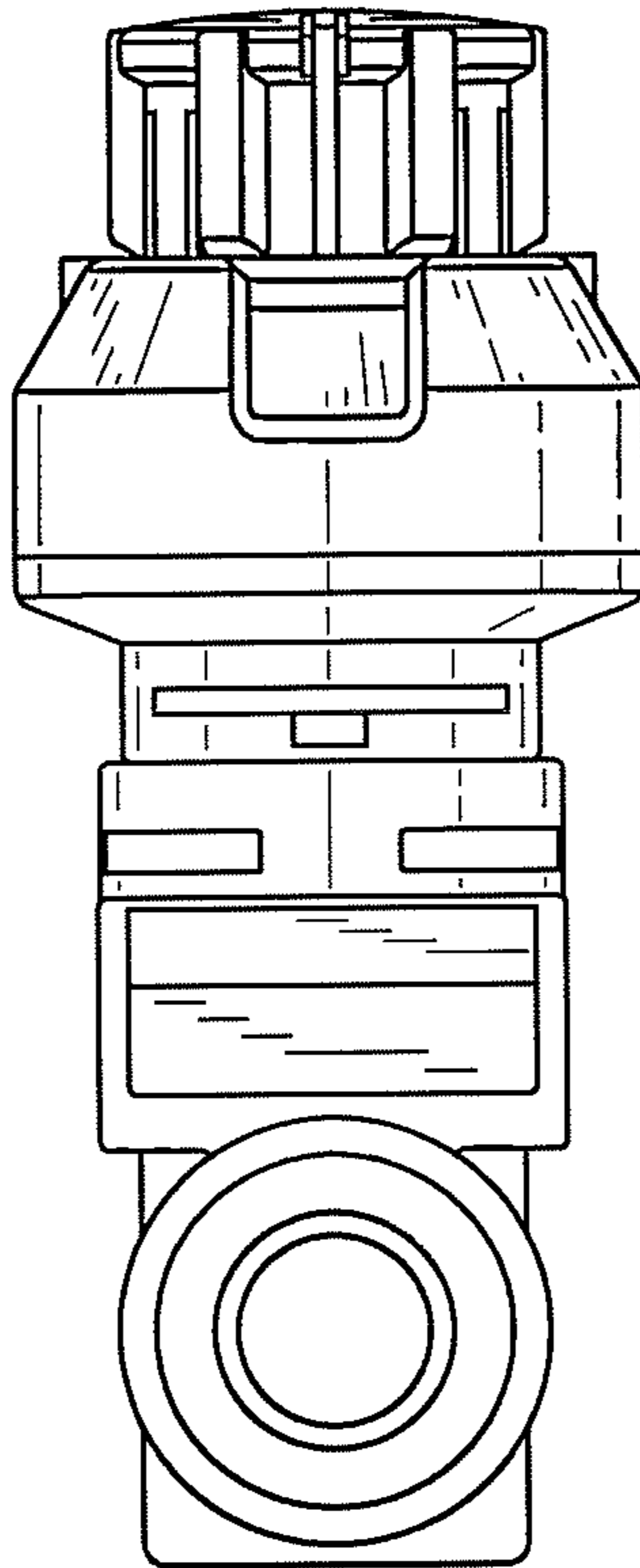


FIG. 7

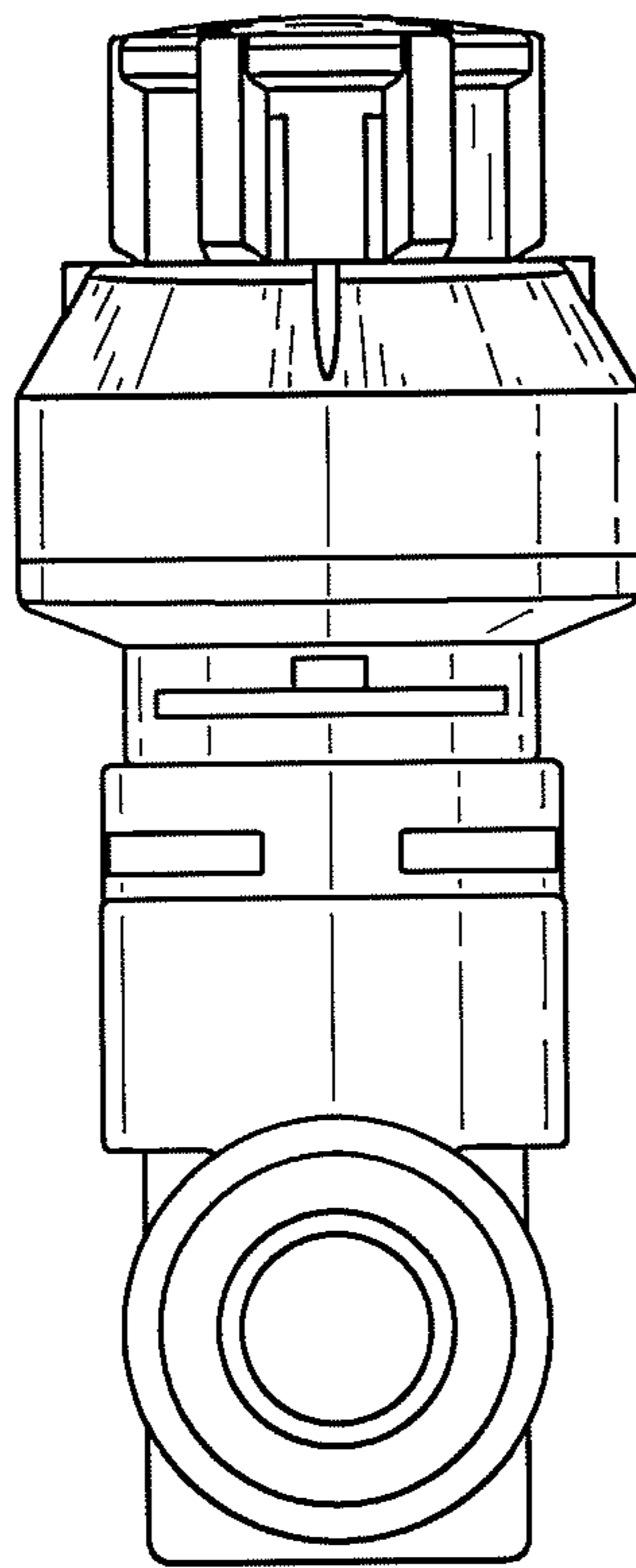


FIG. 8

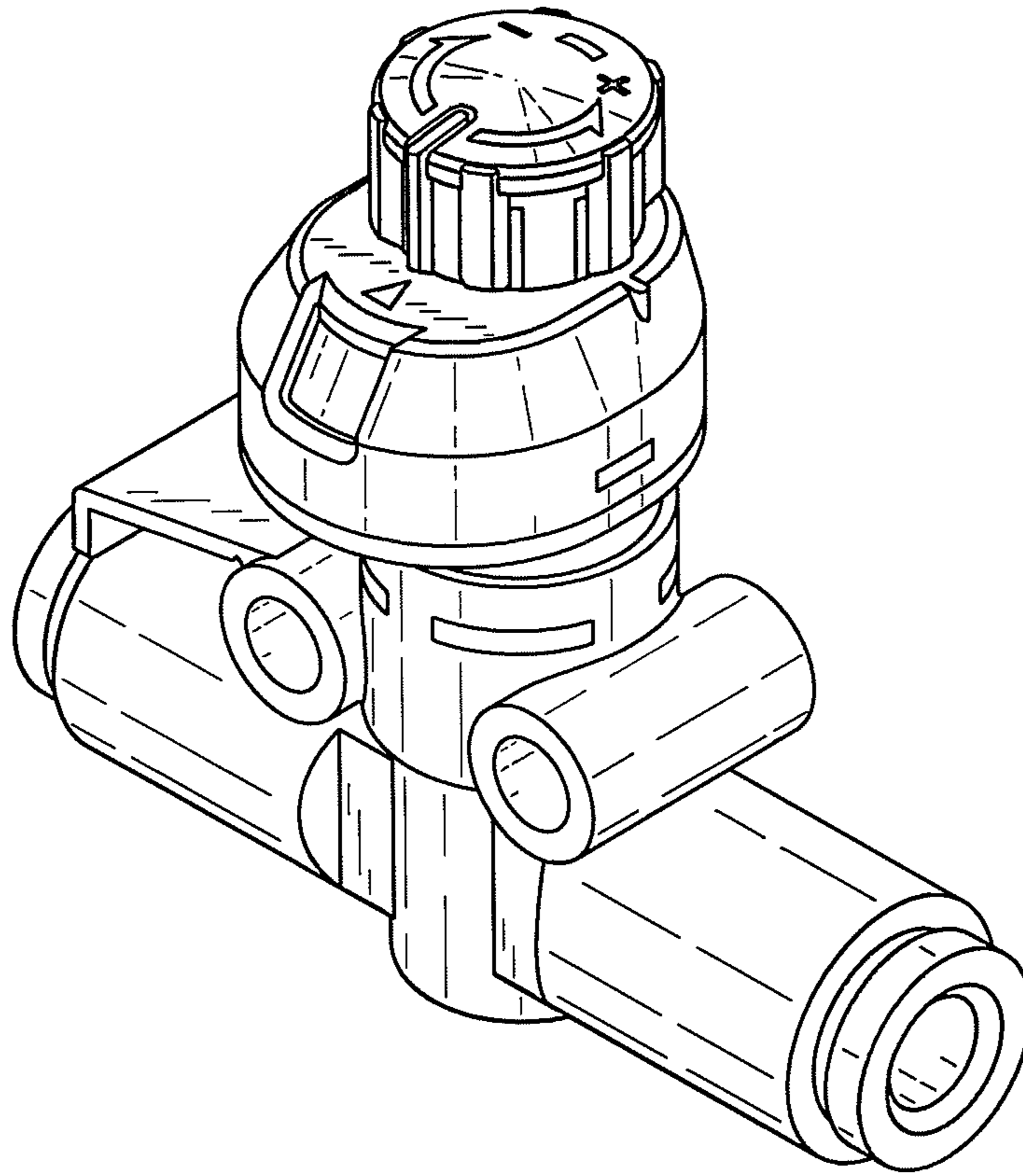


FIG. 9

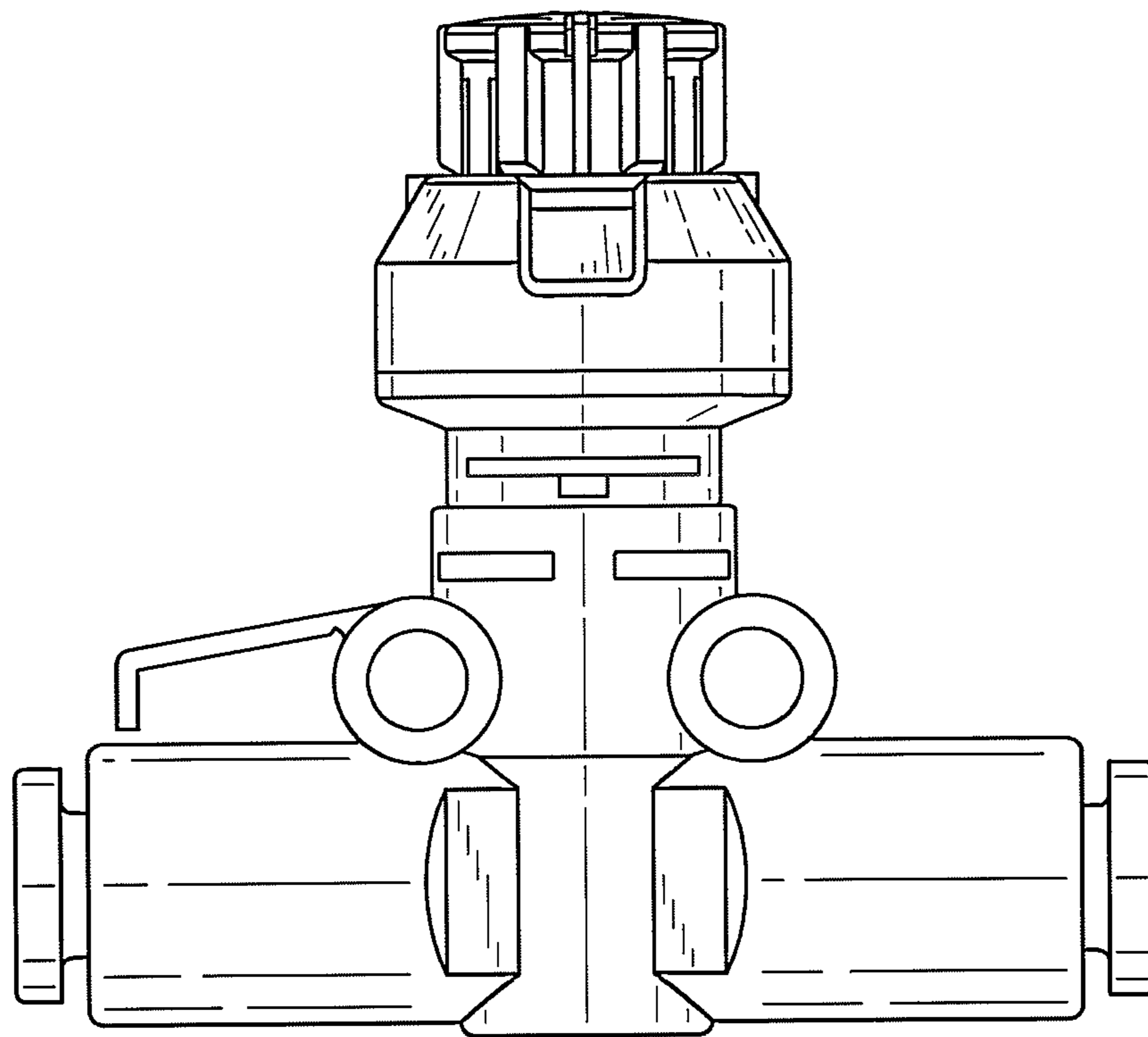


FIG. 10

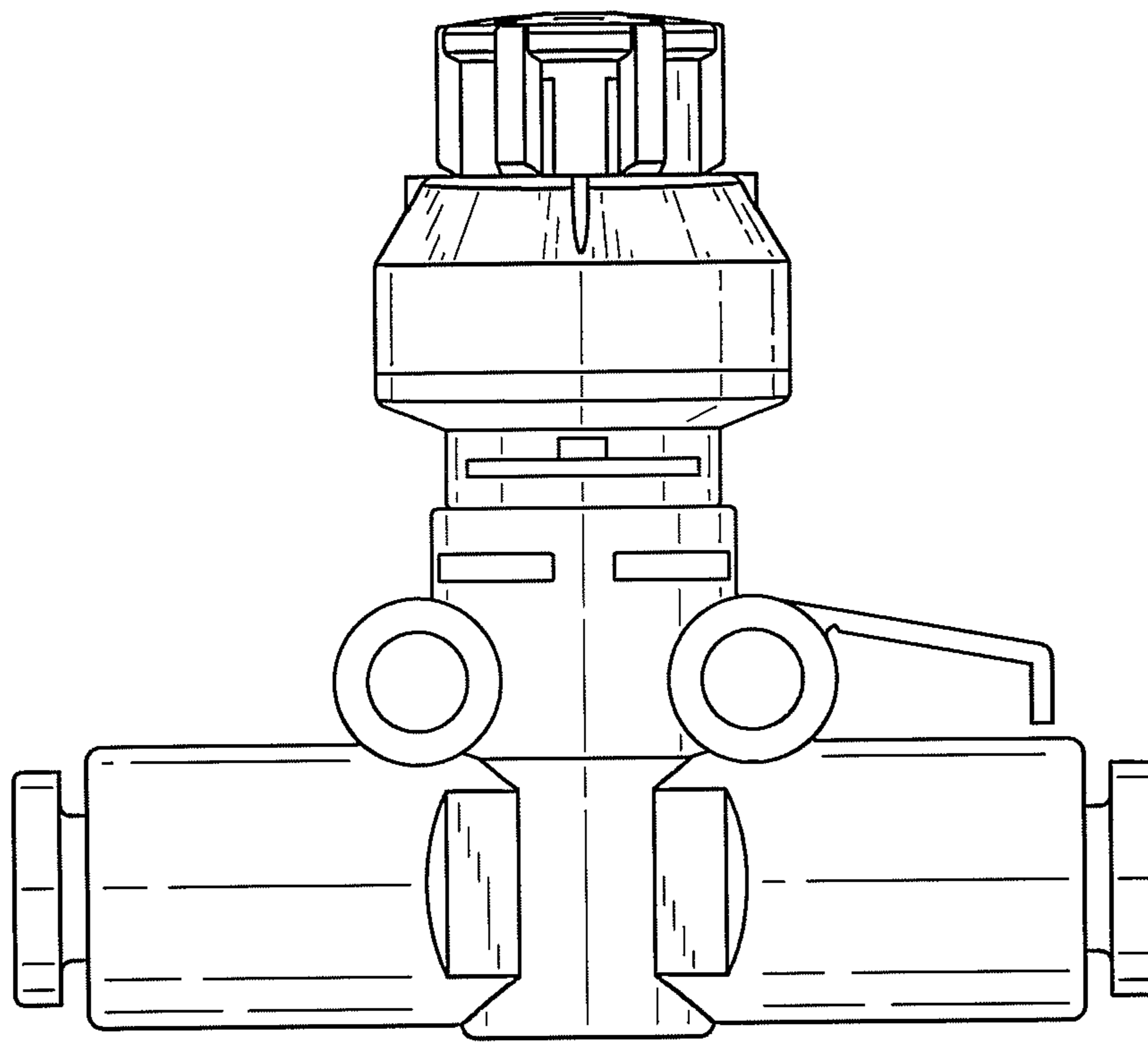


FIG. 11

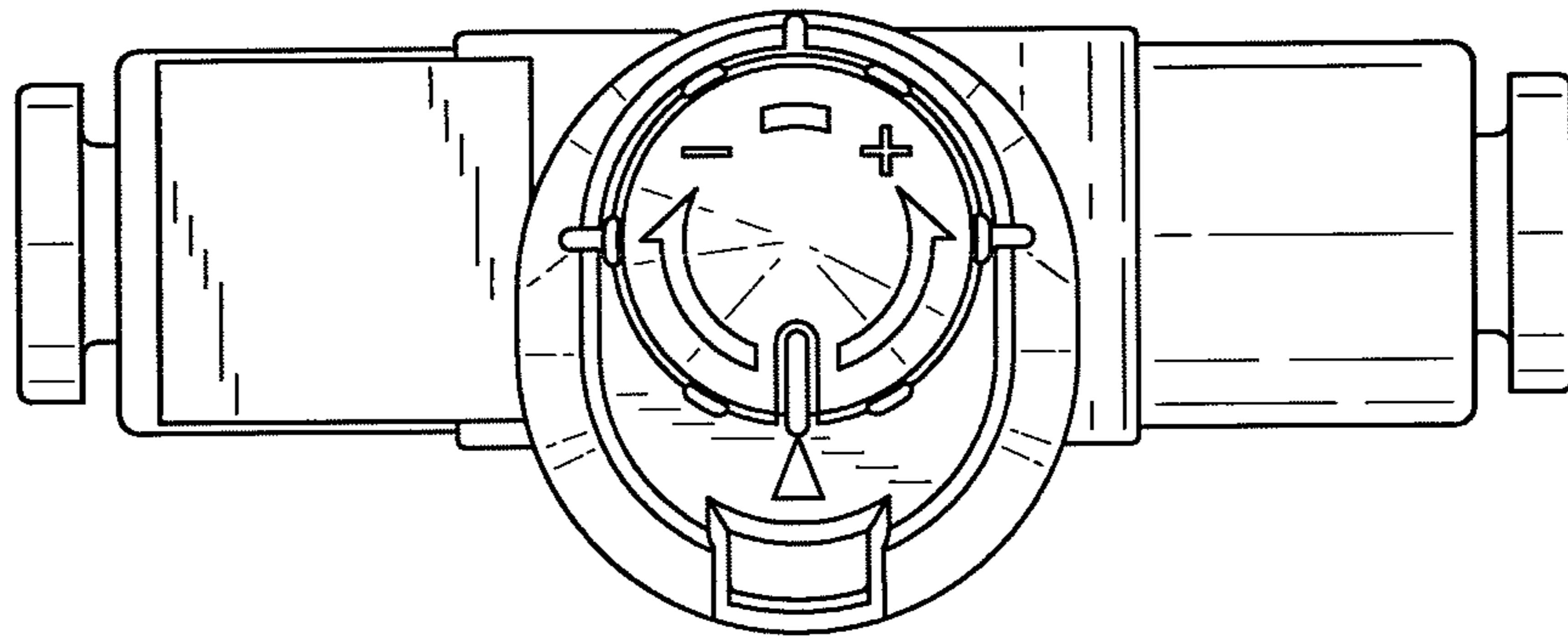


FIG. 12

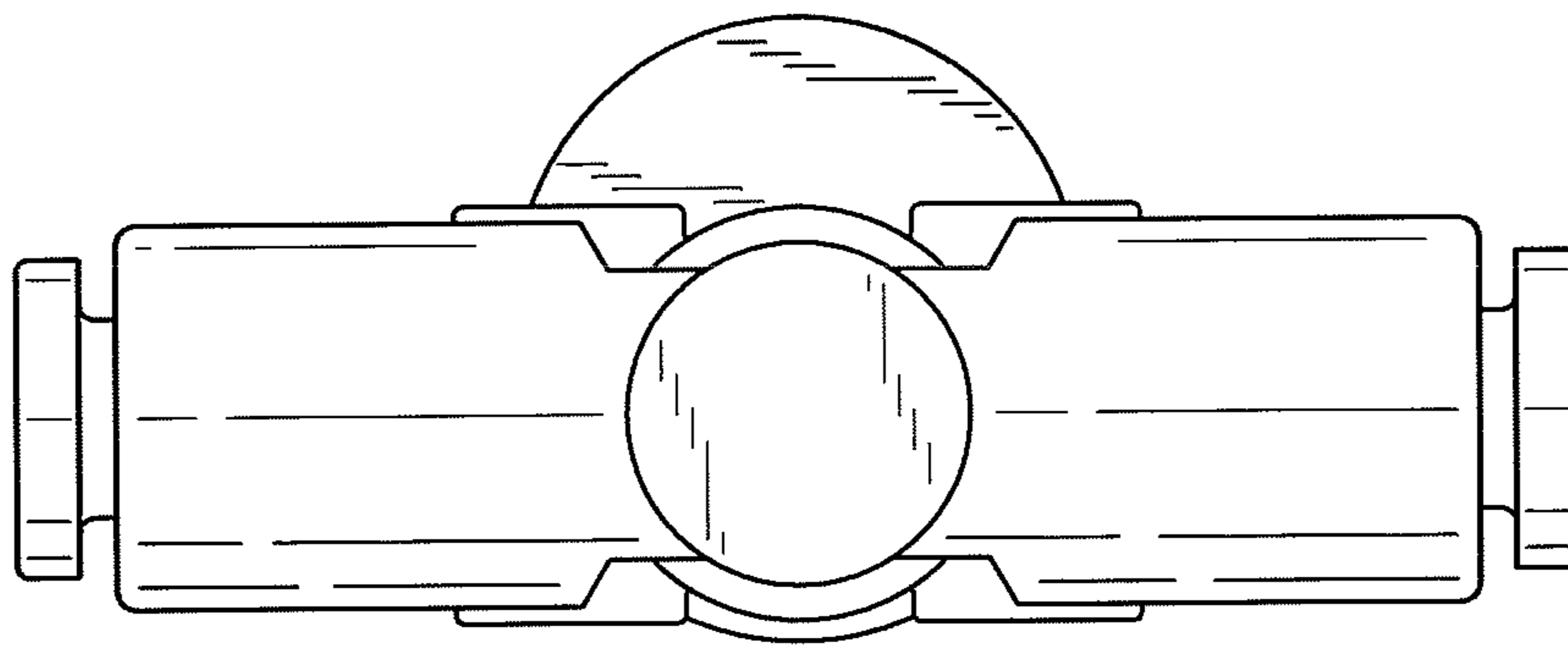


FIG. 13

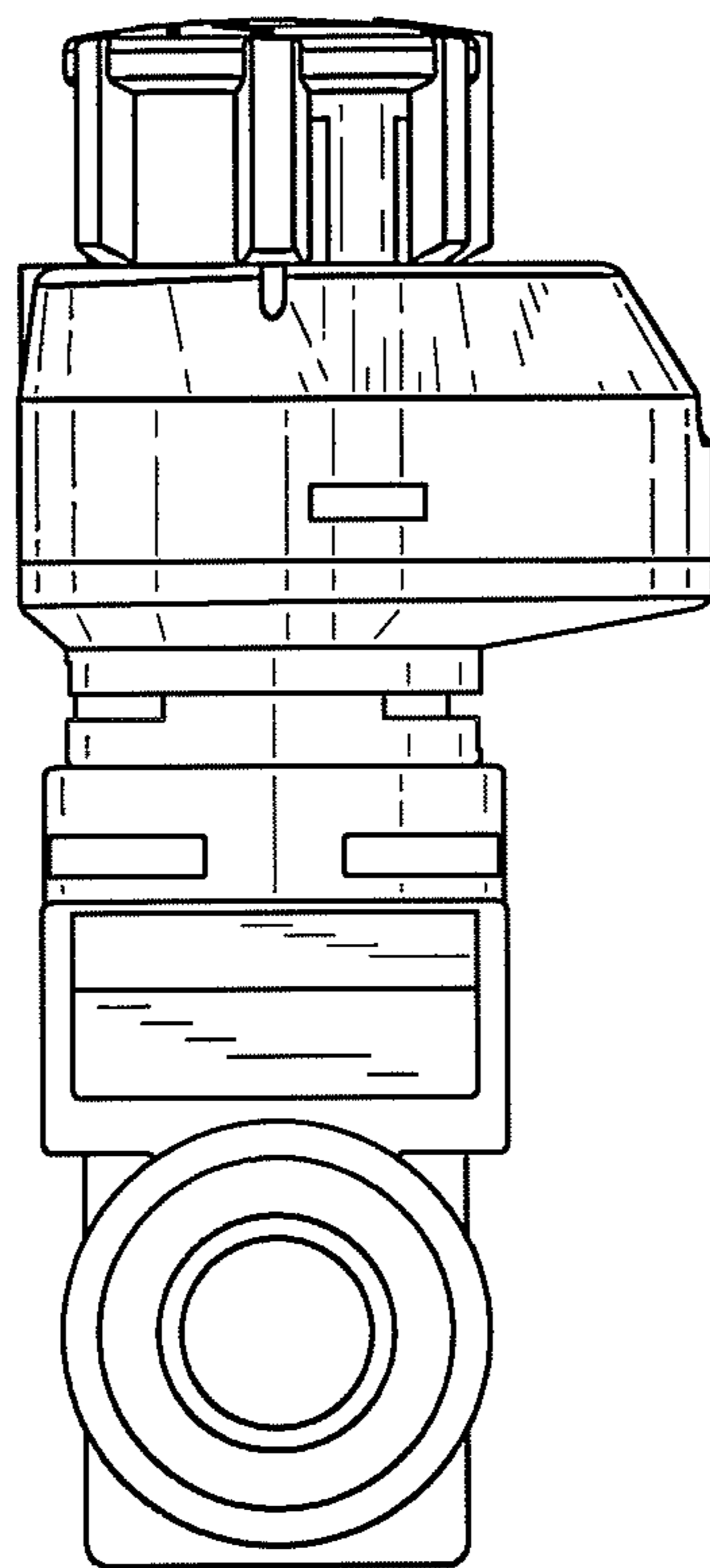


FIG. 14

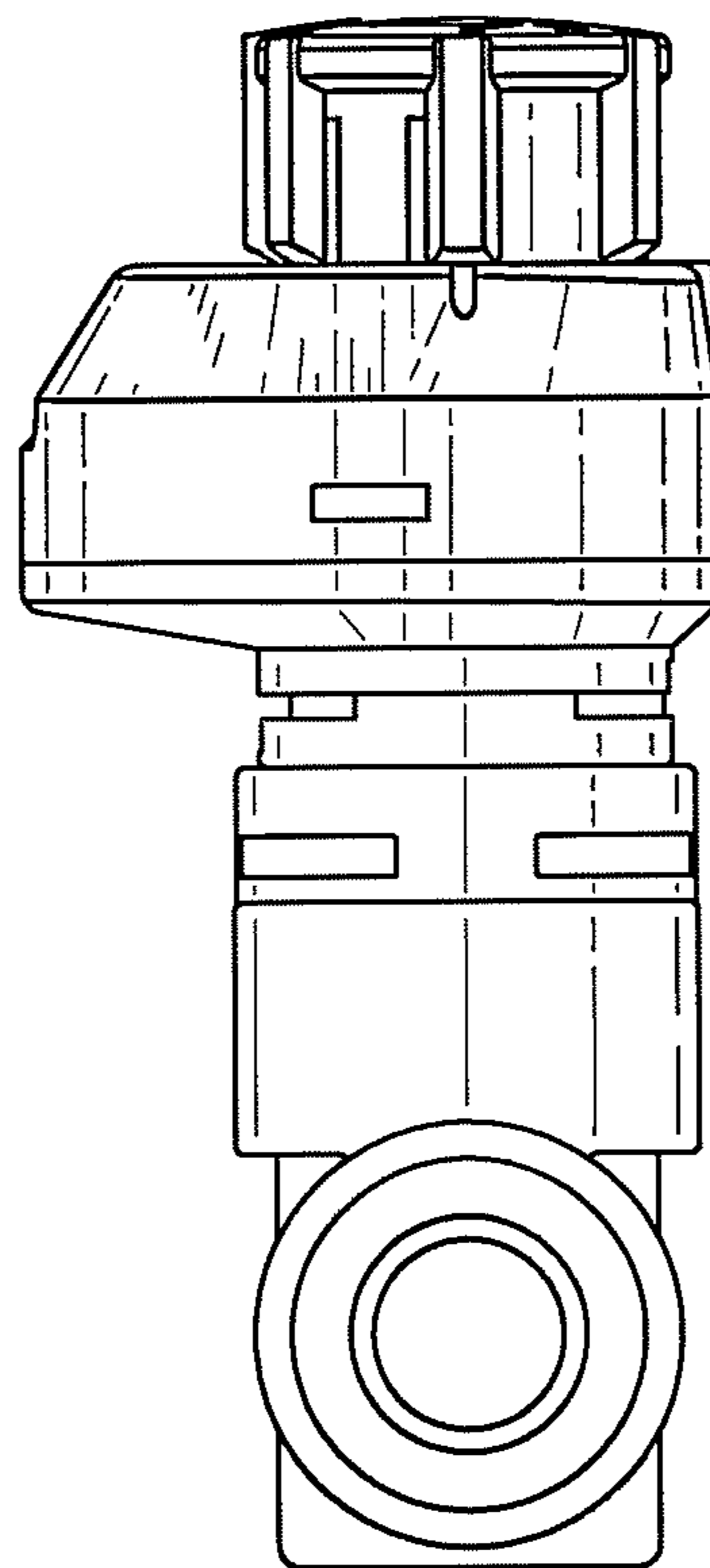


FIG. 15

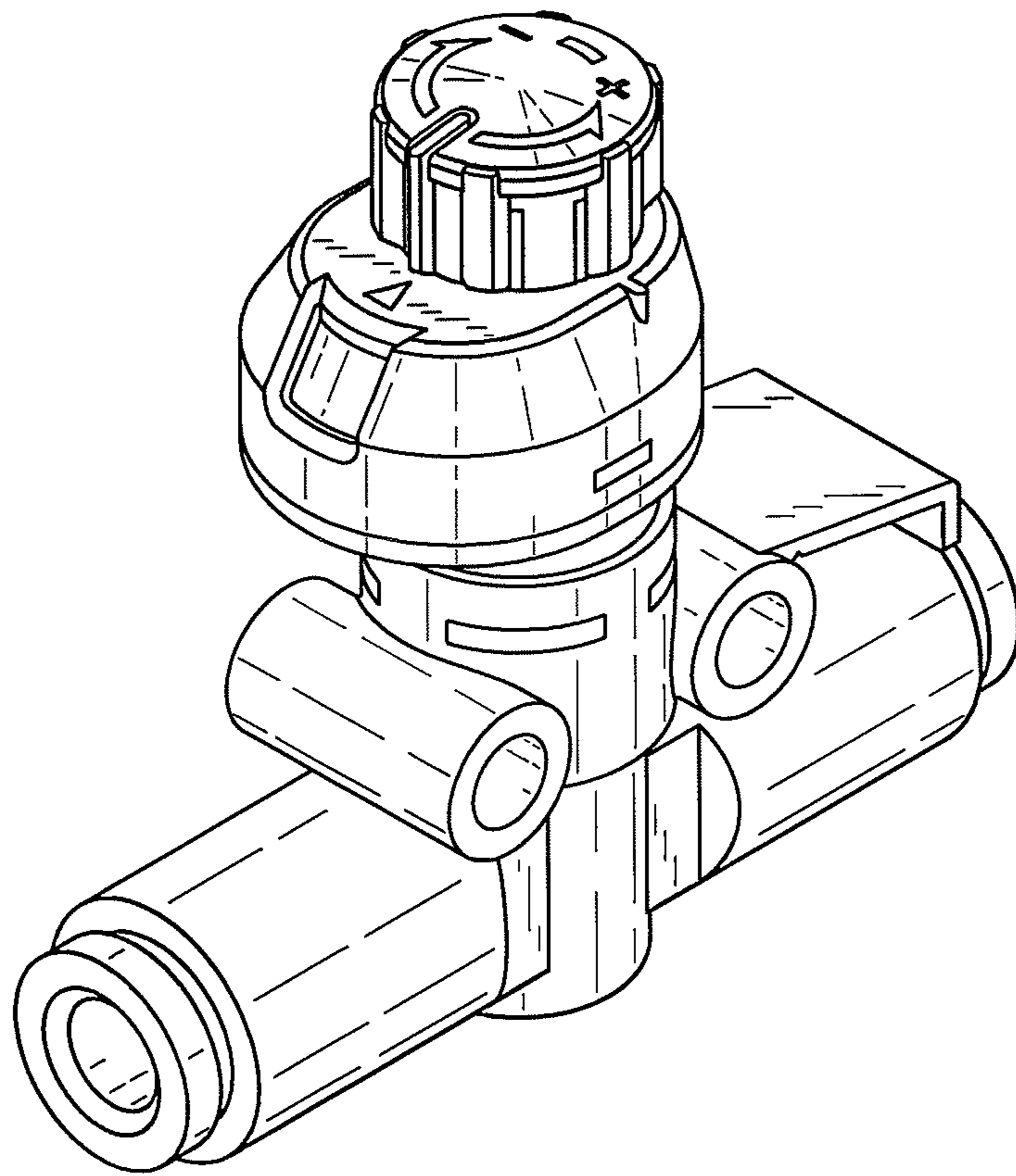


FIG. 16

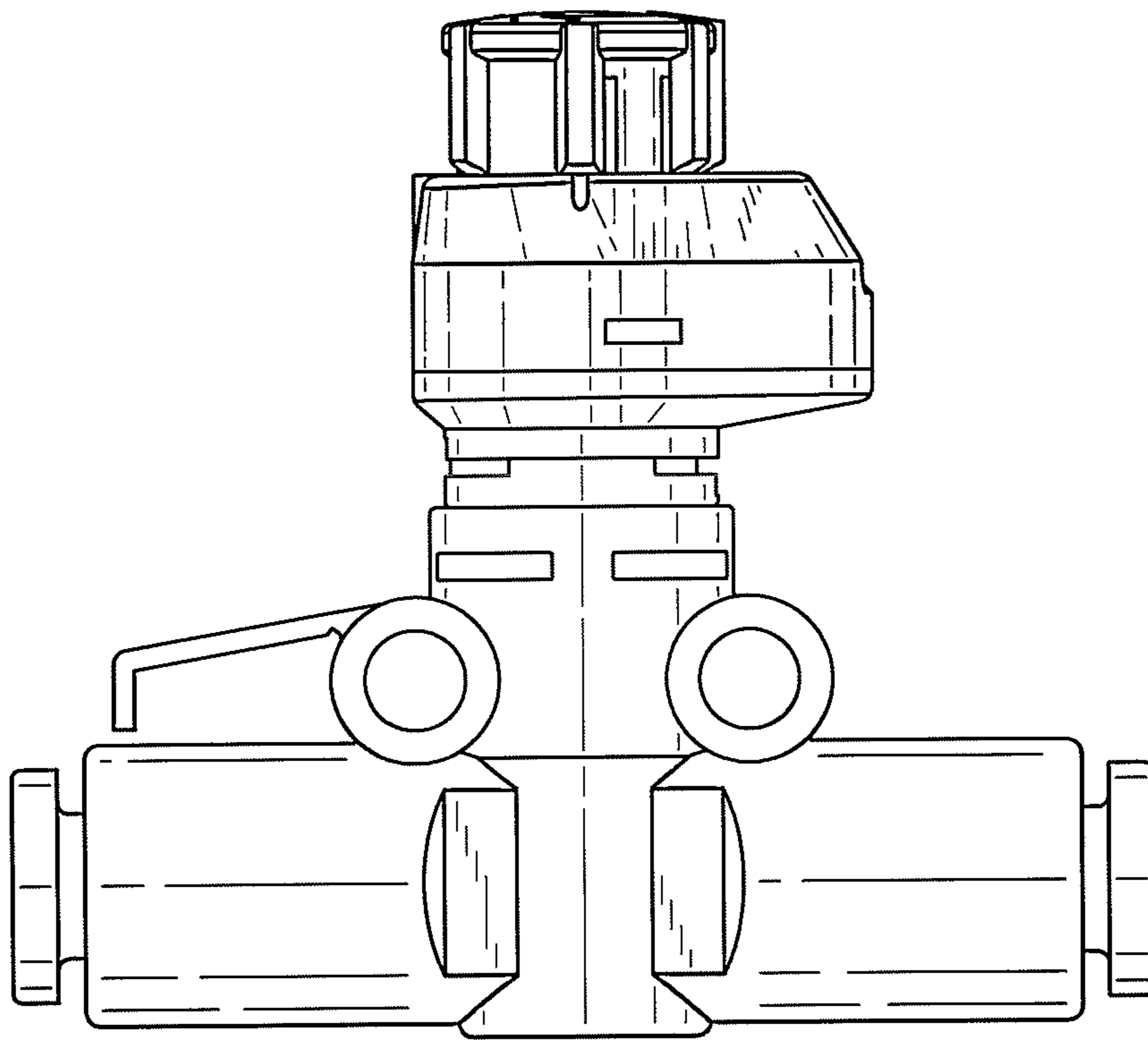


FIG. 17

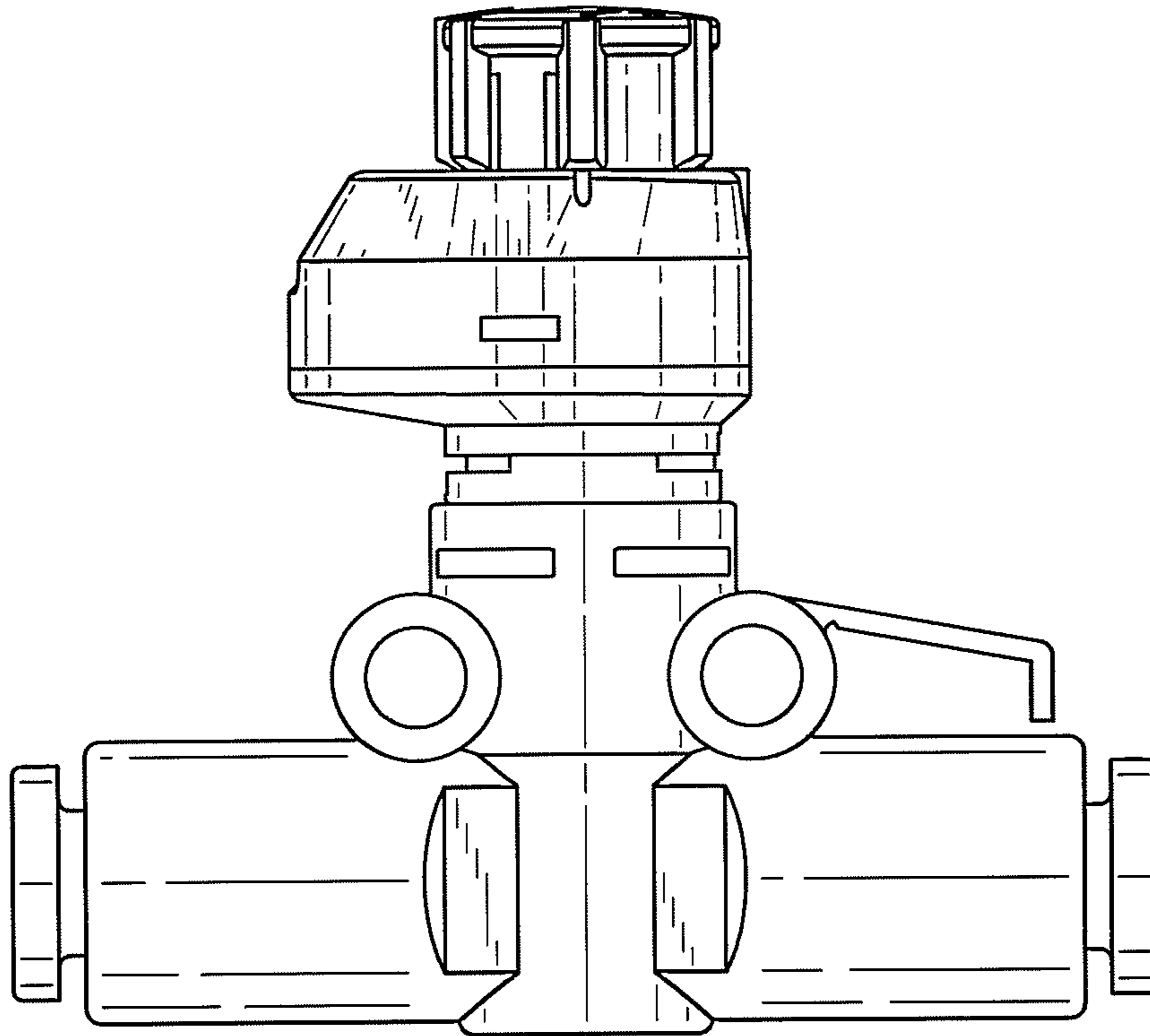


FIG. 18

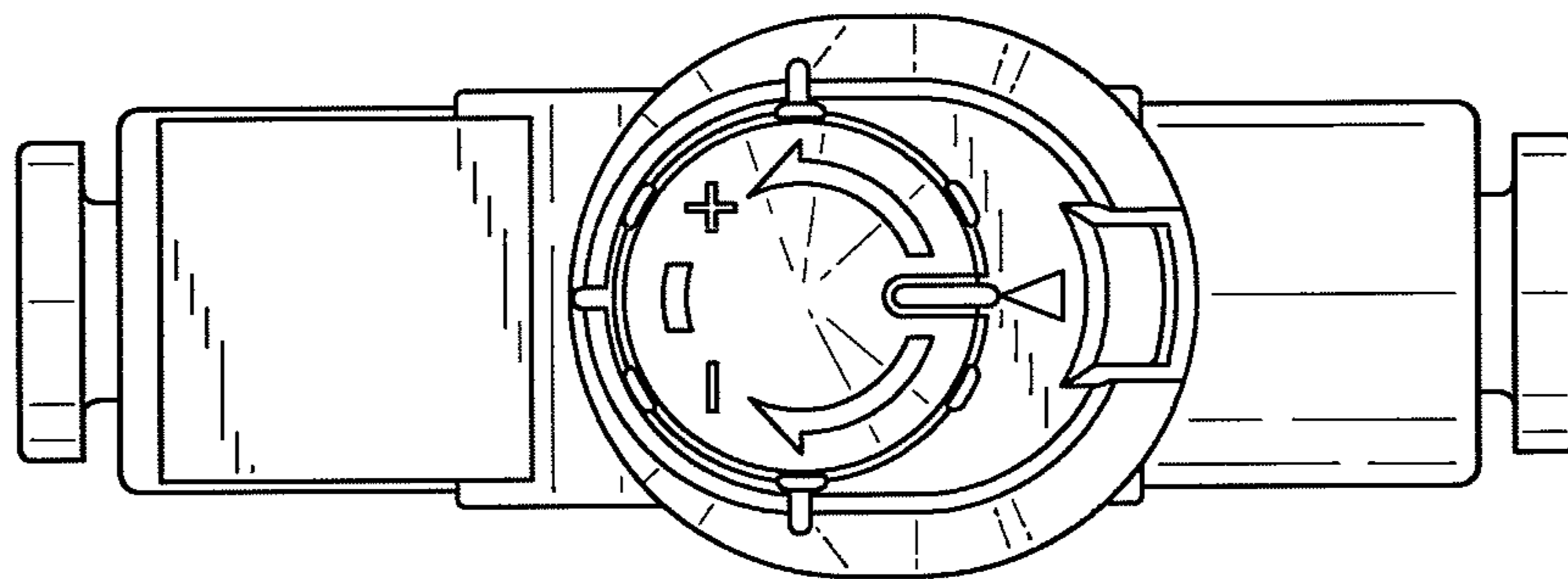


FIG. 19

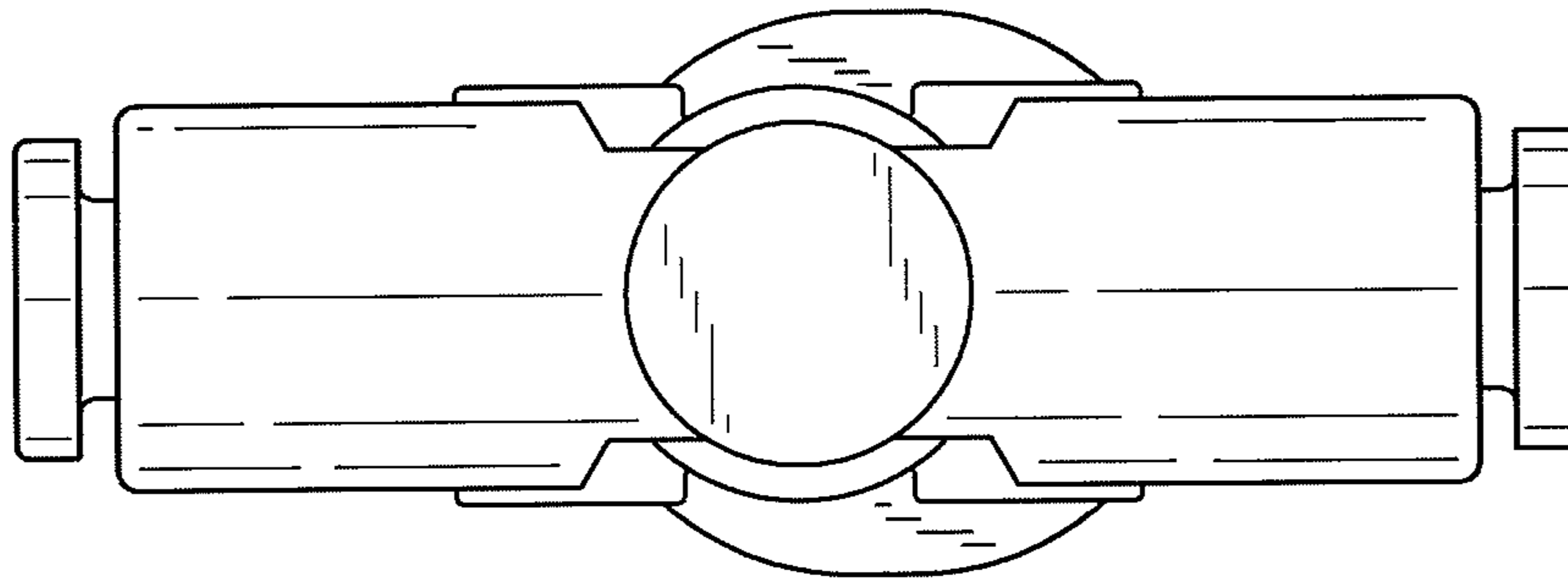


FIG. 20

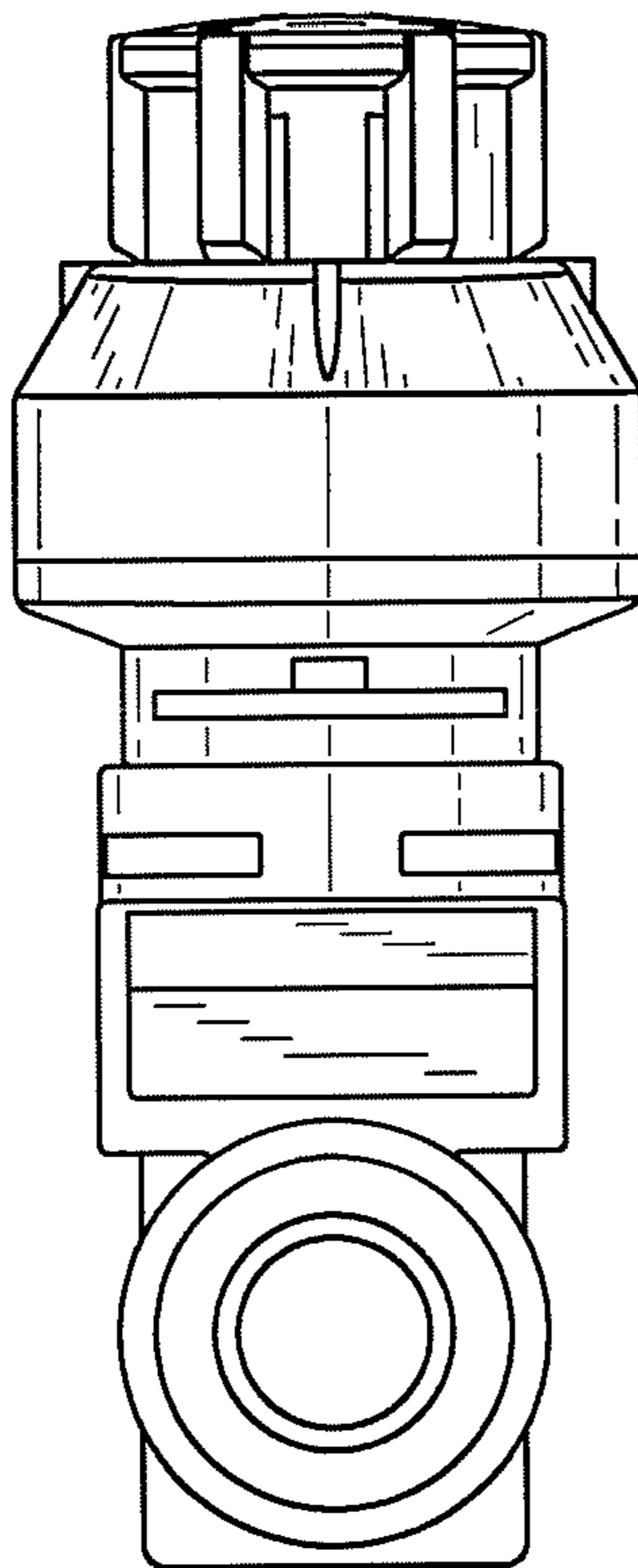


FIG. 21

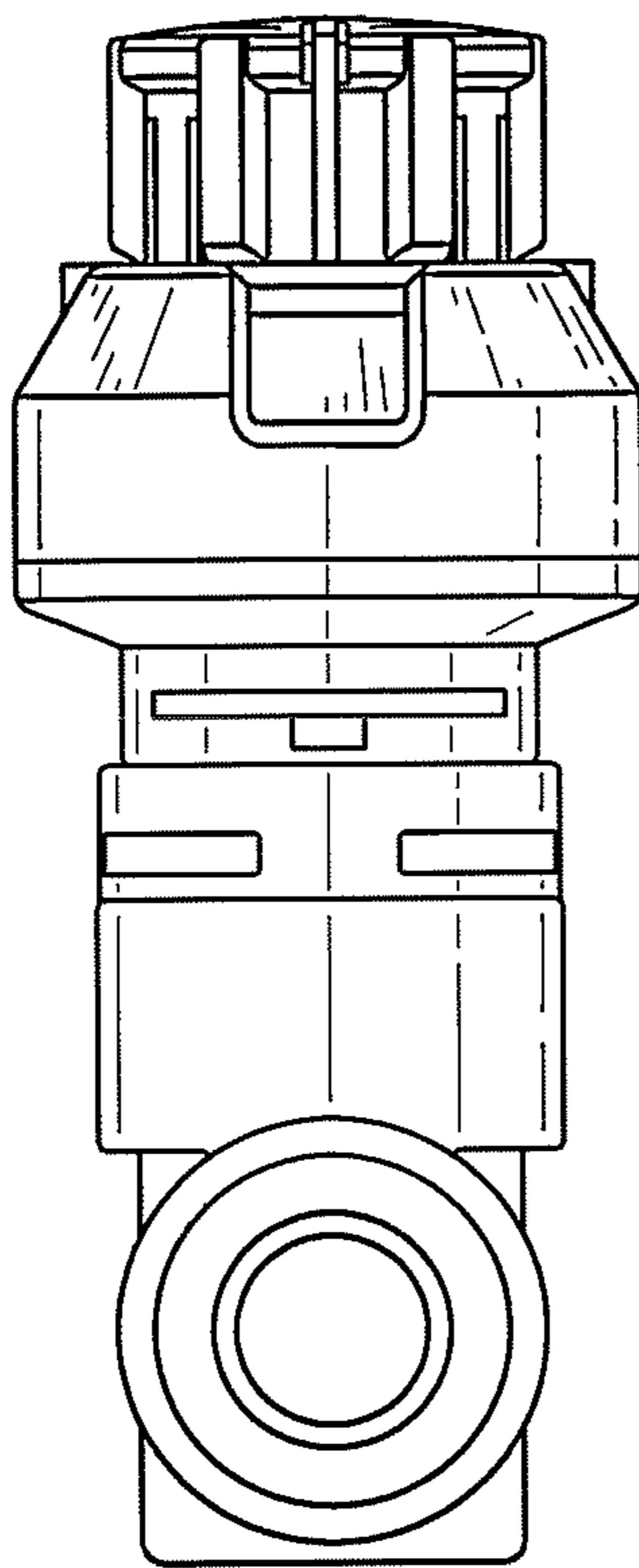


FIG. 22

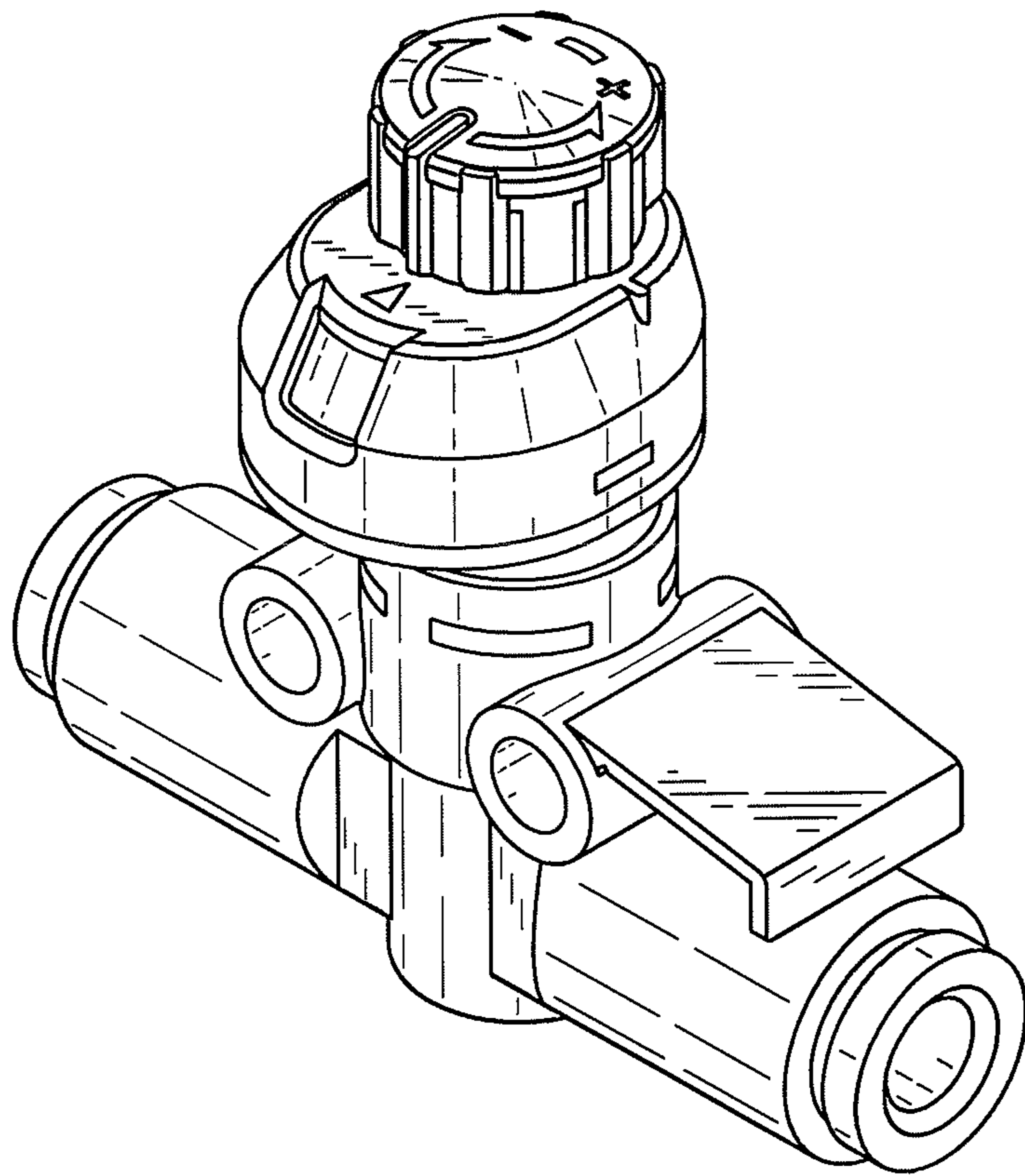


FIG. 23

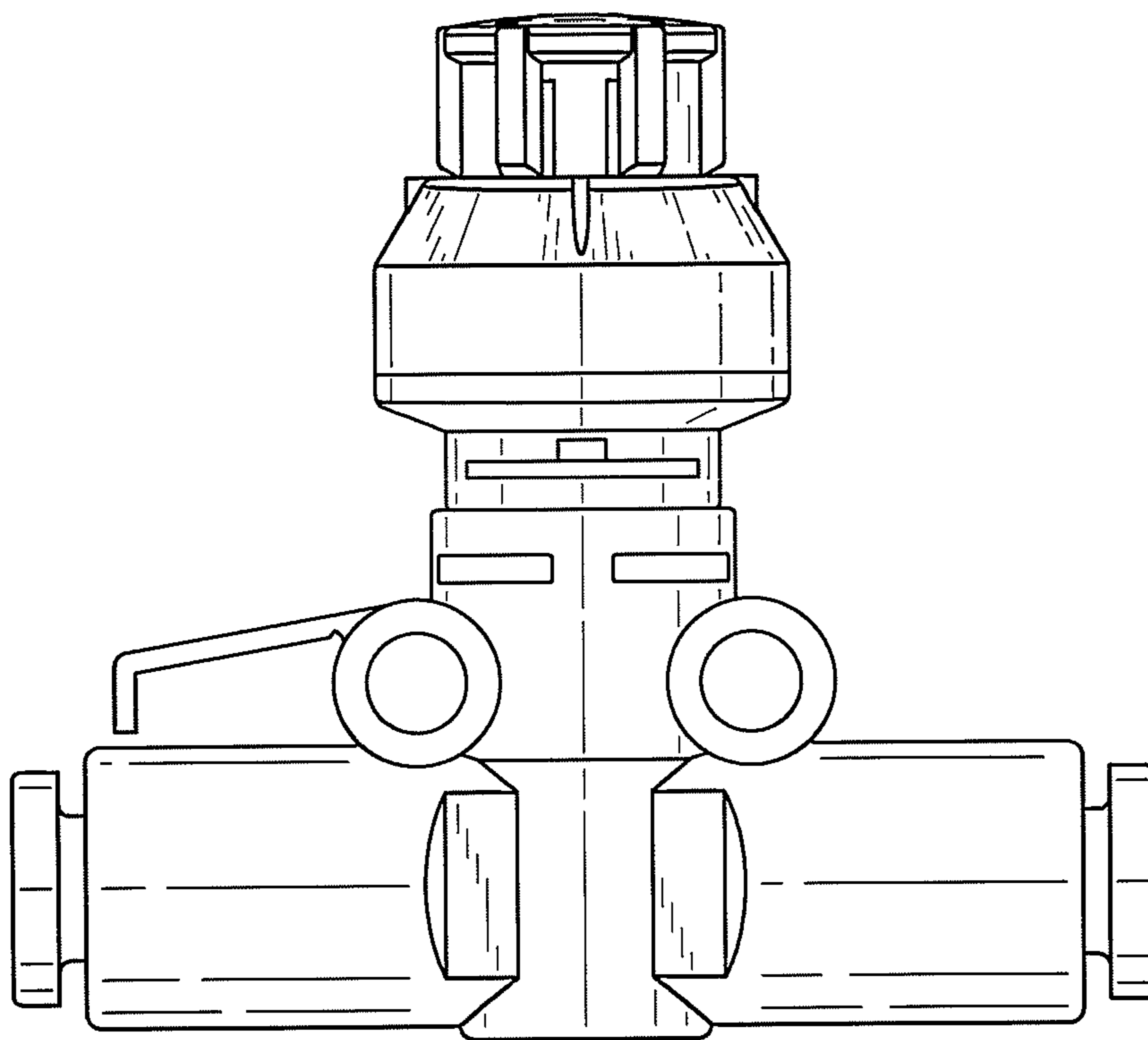


FIG. 24

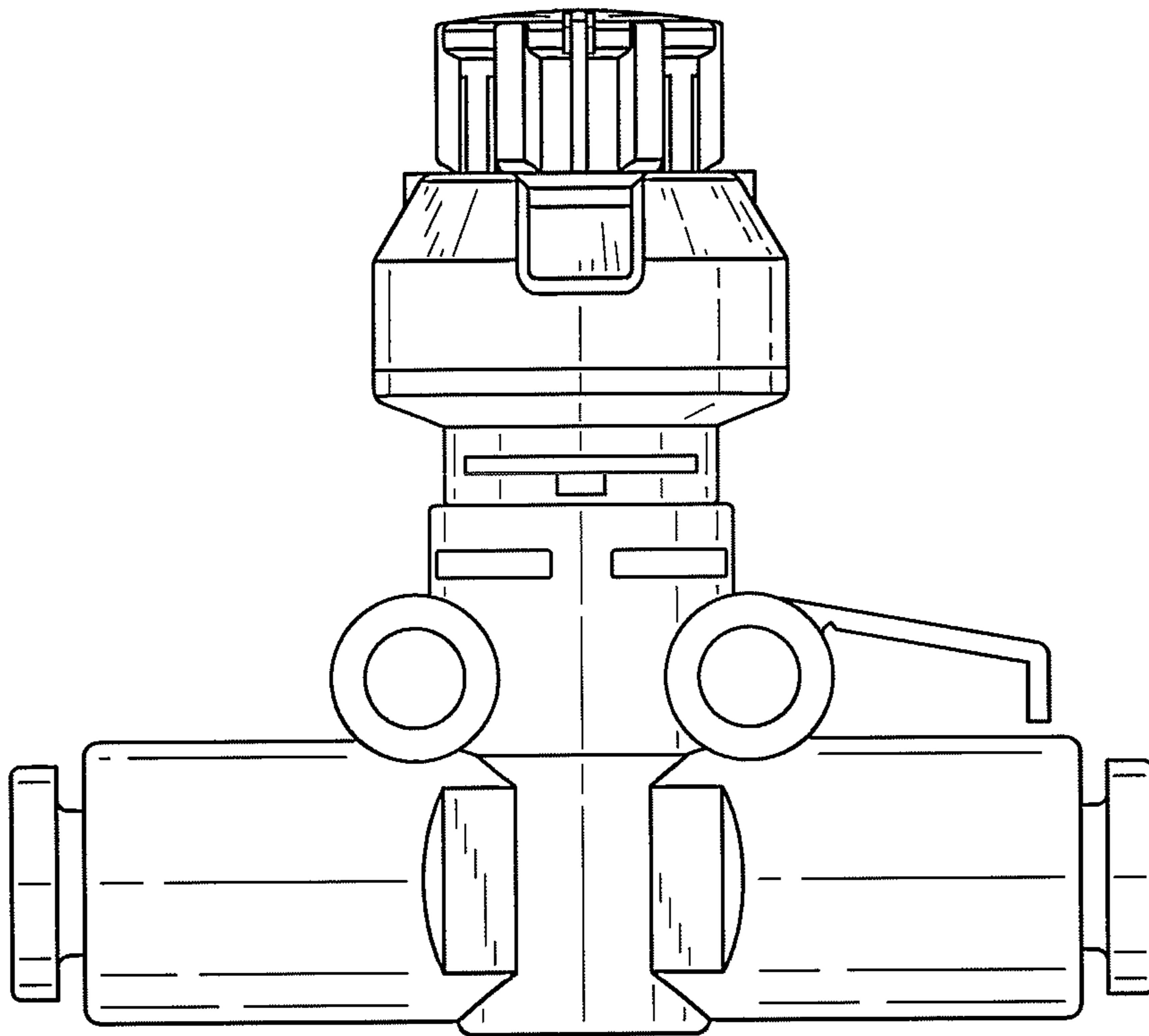


FIG. 25

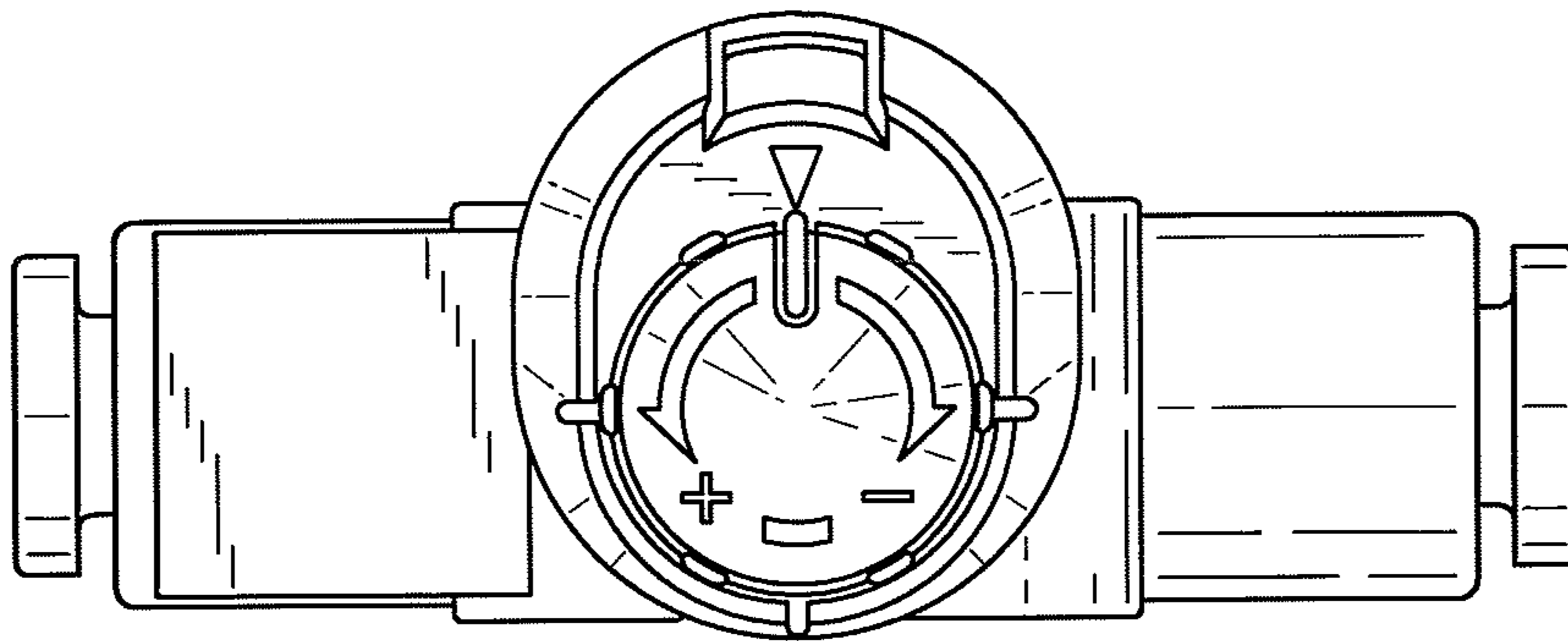


FIG. 26

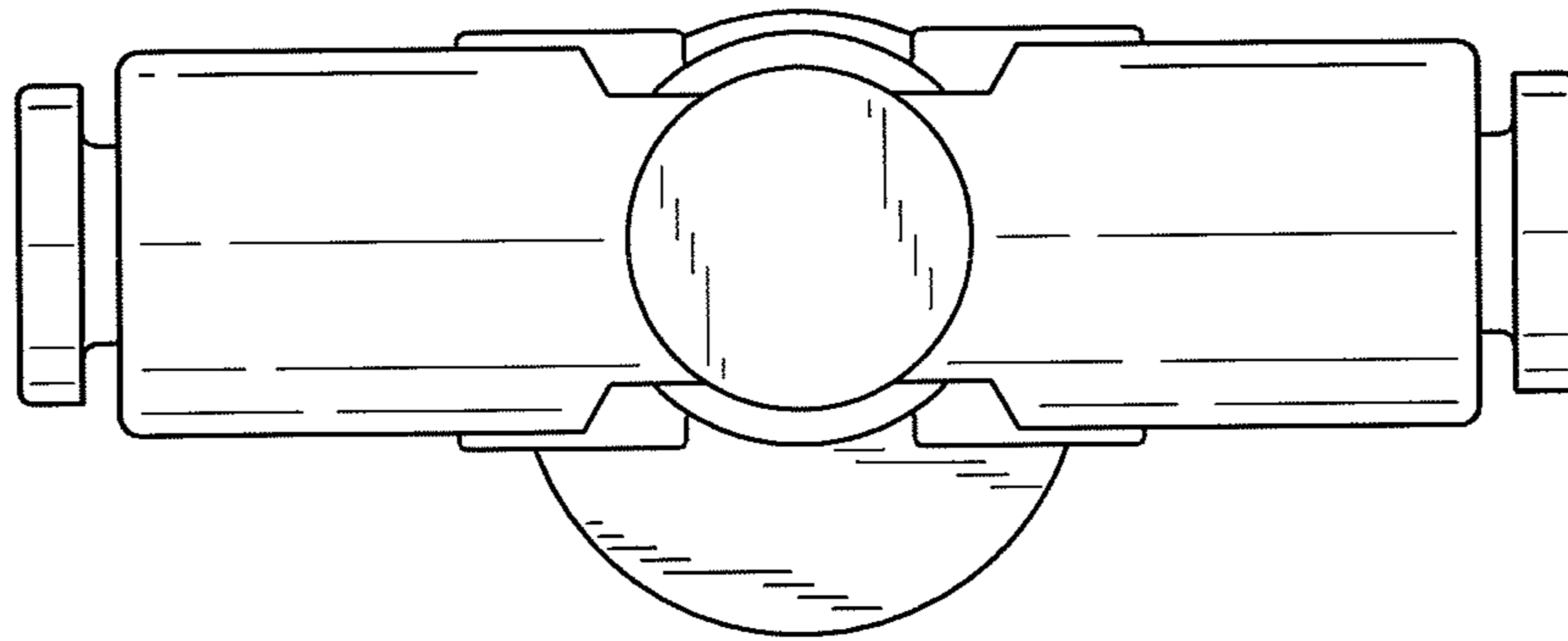


FIG. 27

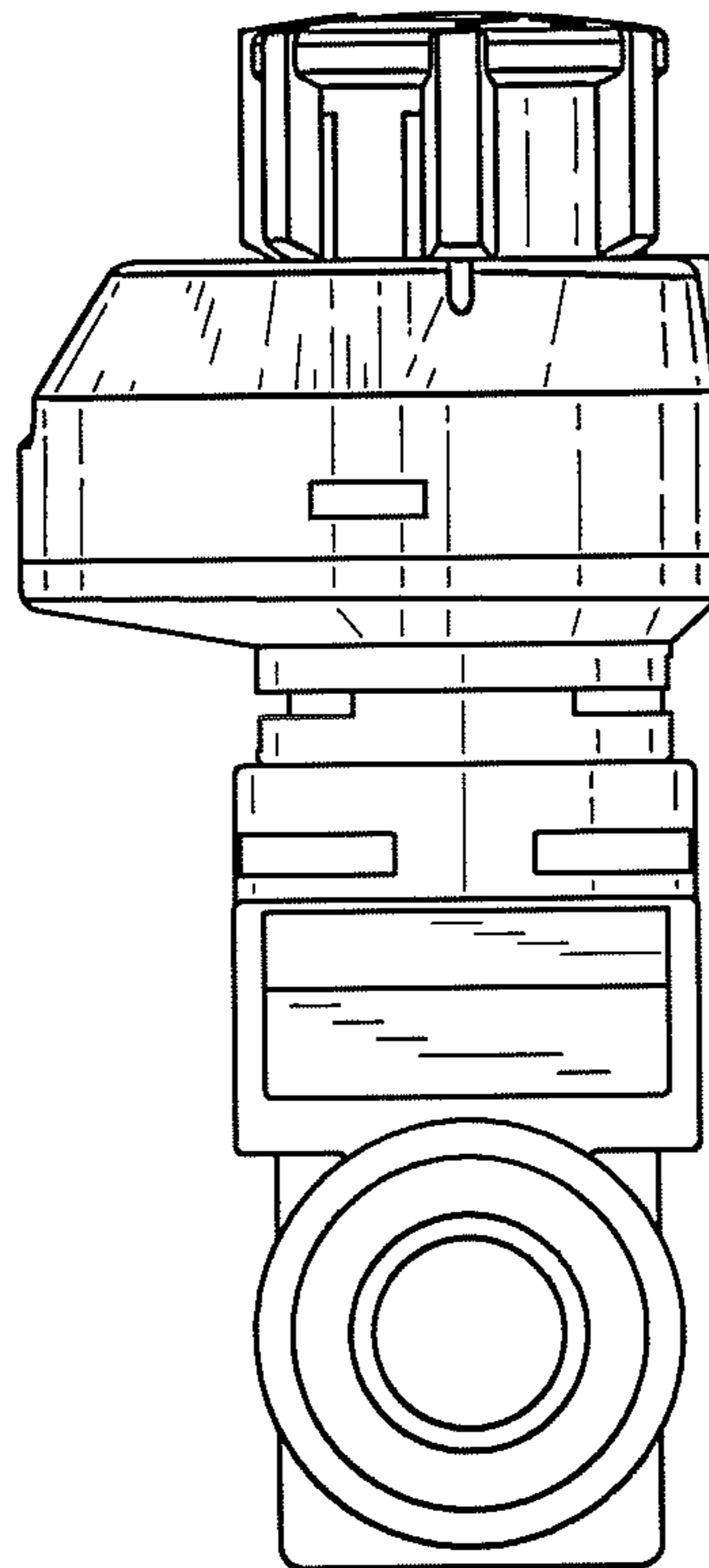


FIG. 28

