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

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(45) **Date of Patent:** **** Oct. 7, 2014**

(54) **ROTARY SOLENOID**

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(73) Assignee: **Nidec Servo Corporation**, Gumma (JP)

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

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(22) Filed: **May 29, 2012**

(30) **Foreign Application Priority Data**

Dec. 8, 2011 (JP) 2011-028477

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/166**

(58) **Field of Classification Search**
USPC D13/158, 166; 251/129.15; 335/126,
335/202, 206, 220, 272, 278; 361/160, 206
See application file for complete search history.

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(74) *Attorney, Agent, or Firm* — Keating & Bennett, LLP

(57) **CLAIM**

The ornamental design for a rotary solenoid, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of rotary solenoid according to our principal new design;
 FIG. 2 is a rear elevation view thereof;
 FIG. 3 is a right side elevation view thereof;
 FIG. 4 is a left side elevation view thereof;
 FIG. 5 is a top plan view thereof;
 FIG. 6 is a bottom plan view thereof;
 FIG. 7 is a front perspective view thereof;
 FIG. 8 is a rear perspective view thereof;
 FIG. 9 is a front elevation view of a rotary solenoid according to our second related new design;
 FIG. 10 is a rear elevation view thereof;
 FIG. 11 is a right side elevation view thereof;
 FIG. 12 is a left side elevation view thereof;
 FIG. 13 is a top plan view thereof;
 FIG. 14 is a bottom plan view thereof; and,
 FIG. 15 is a perspective view thereof.

1 Claim, 15 Drawing Sheets

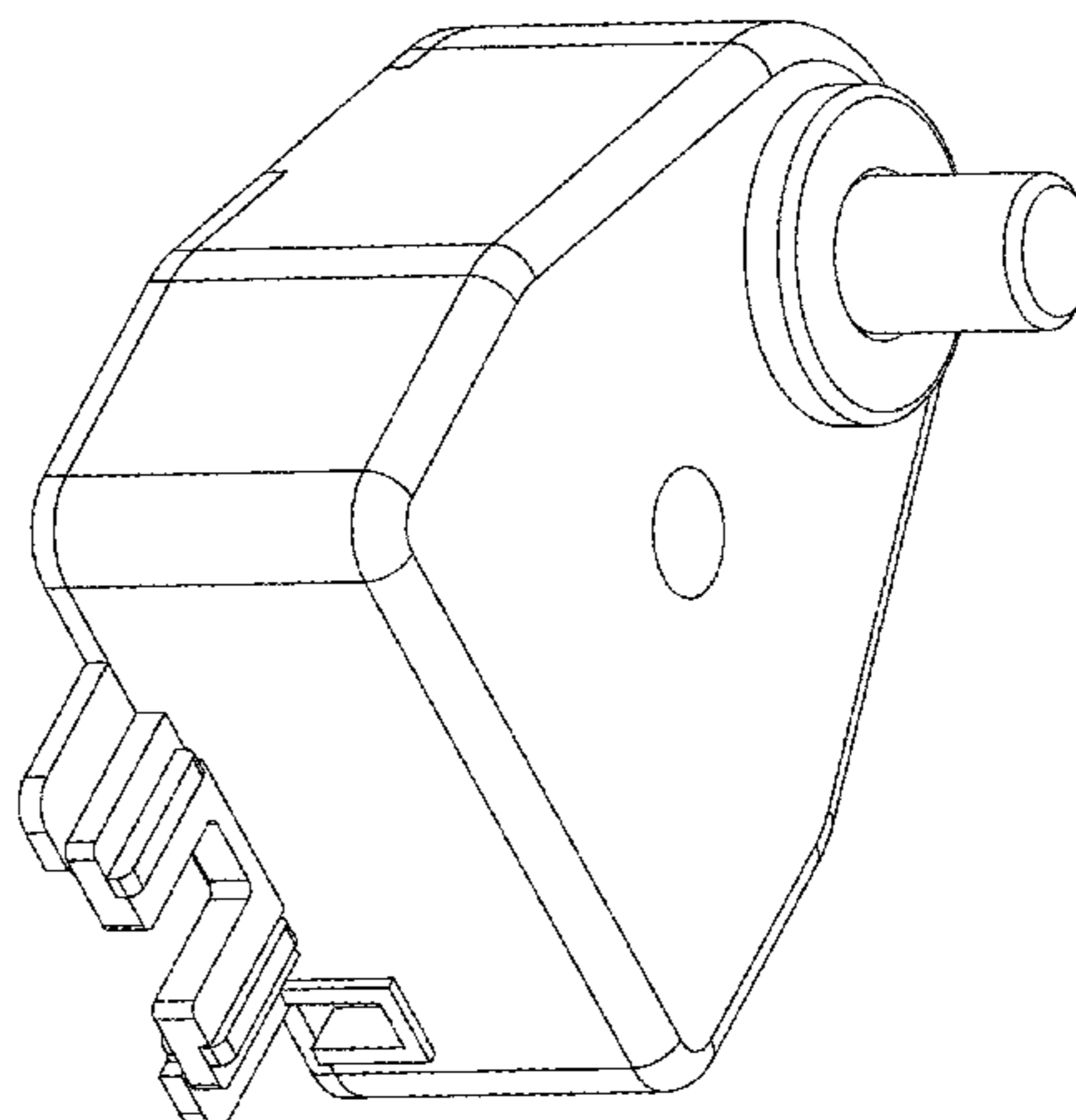
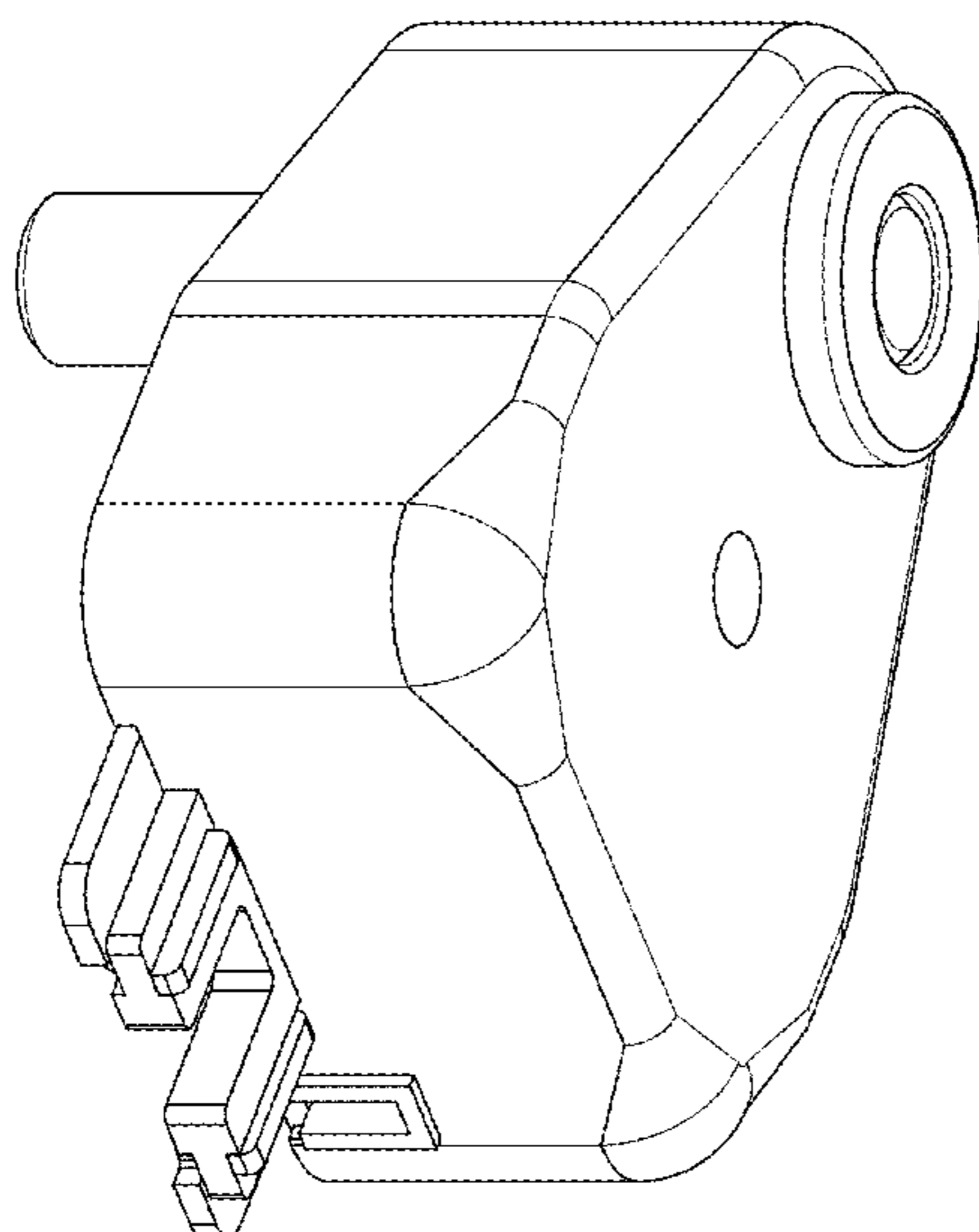


FIG. 1

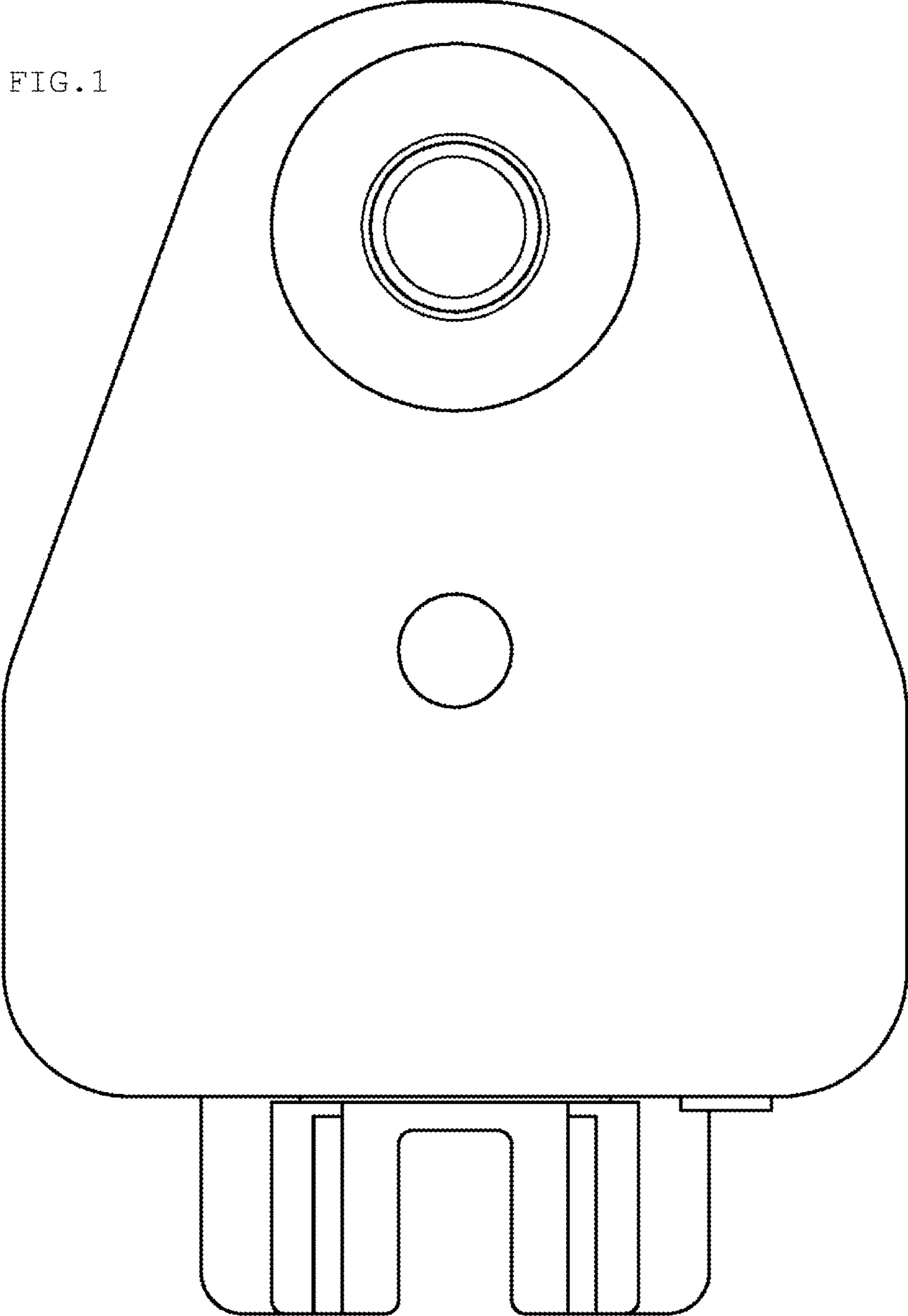
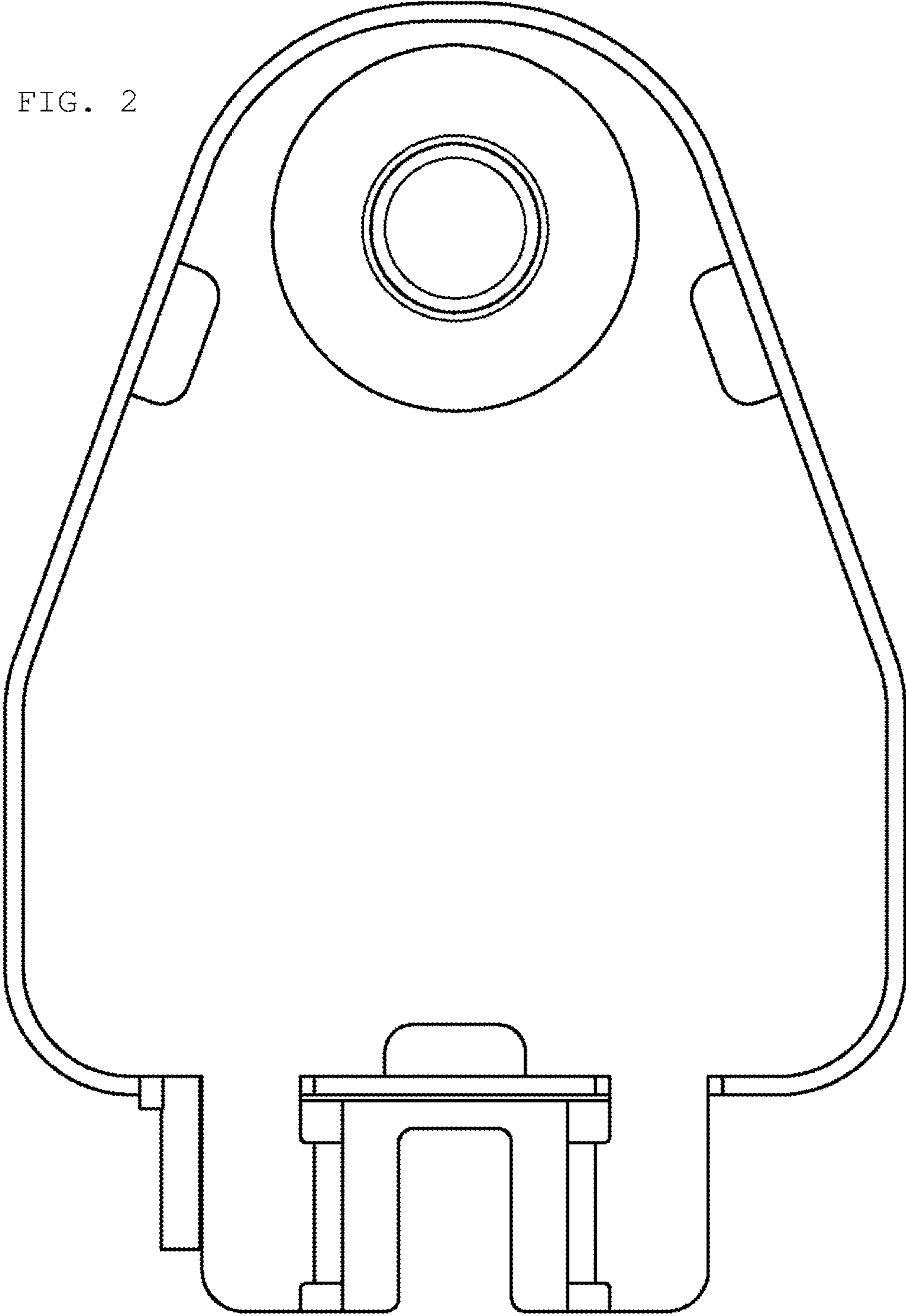


FIG. 2



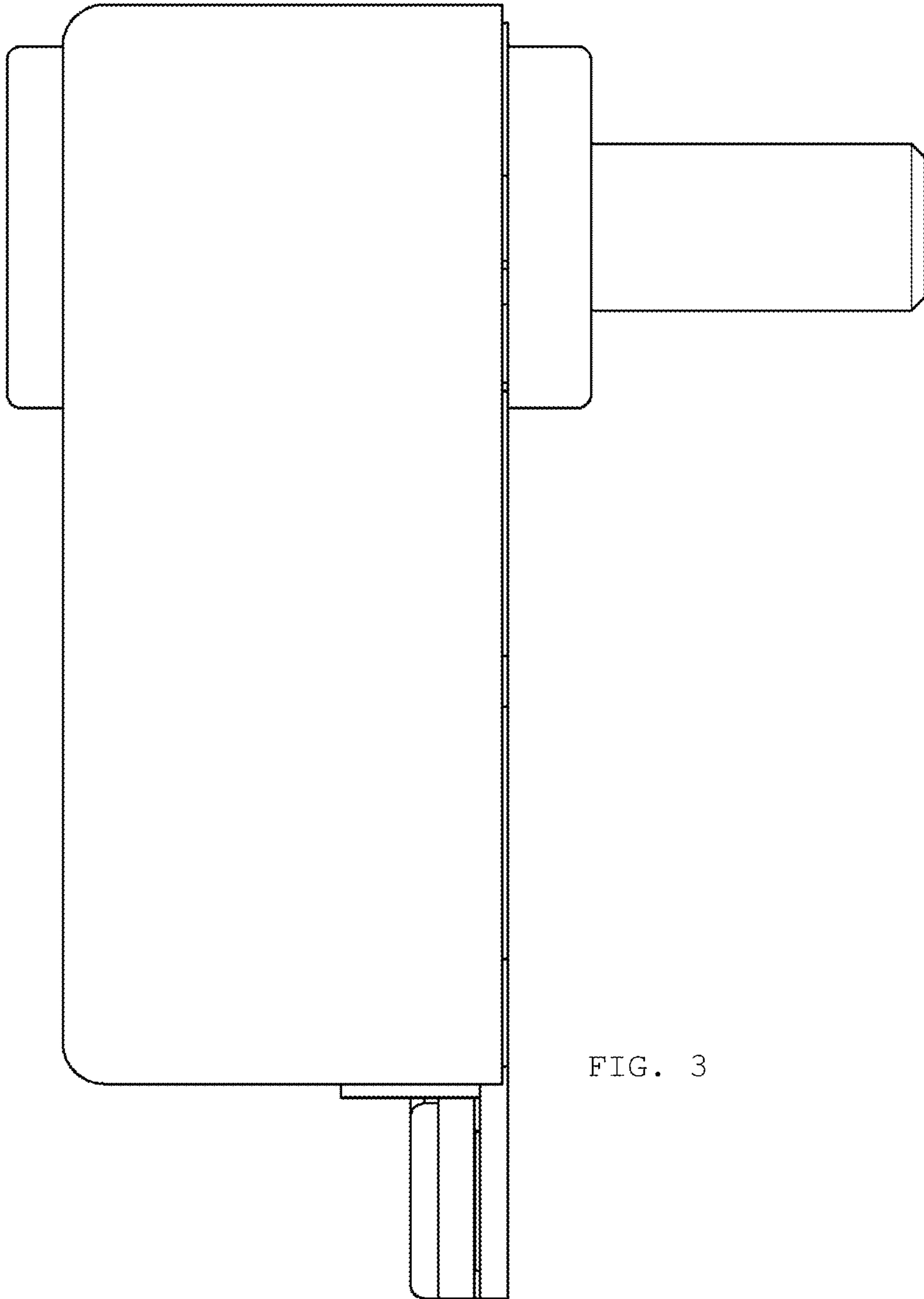


FIG. 3

FIG. 4

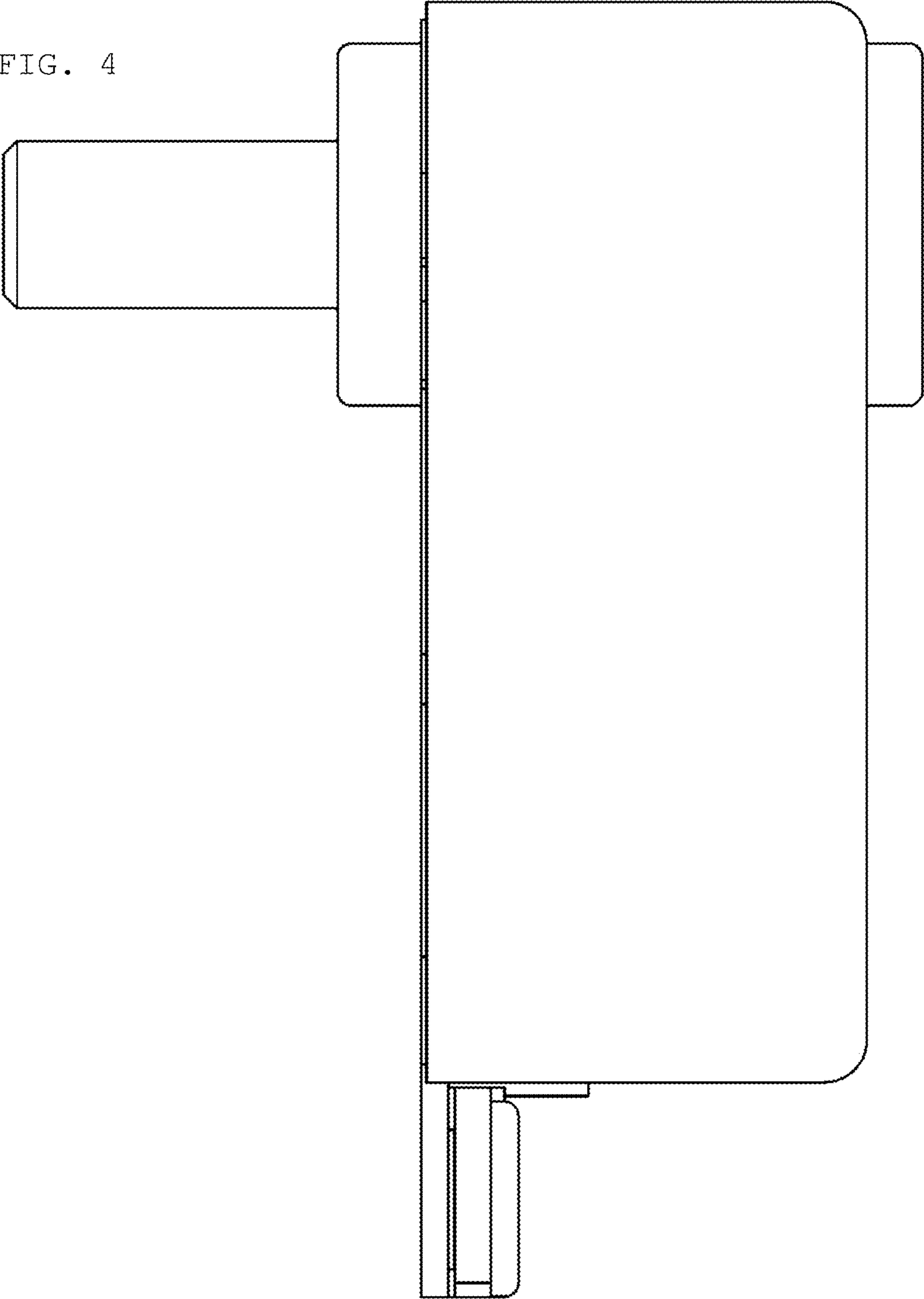


FIG. 5

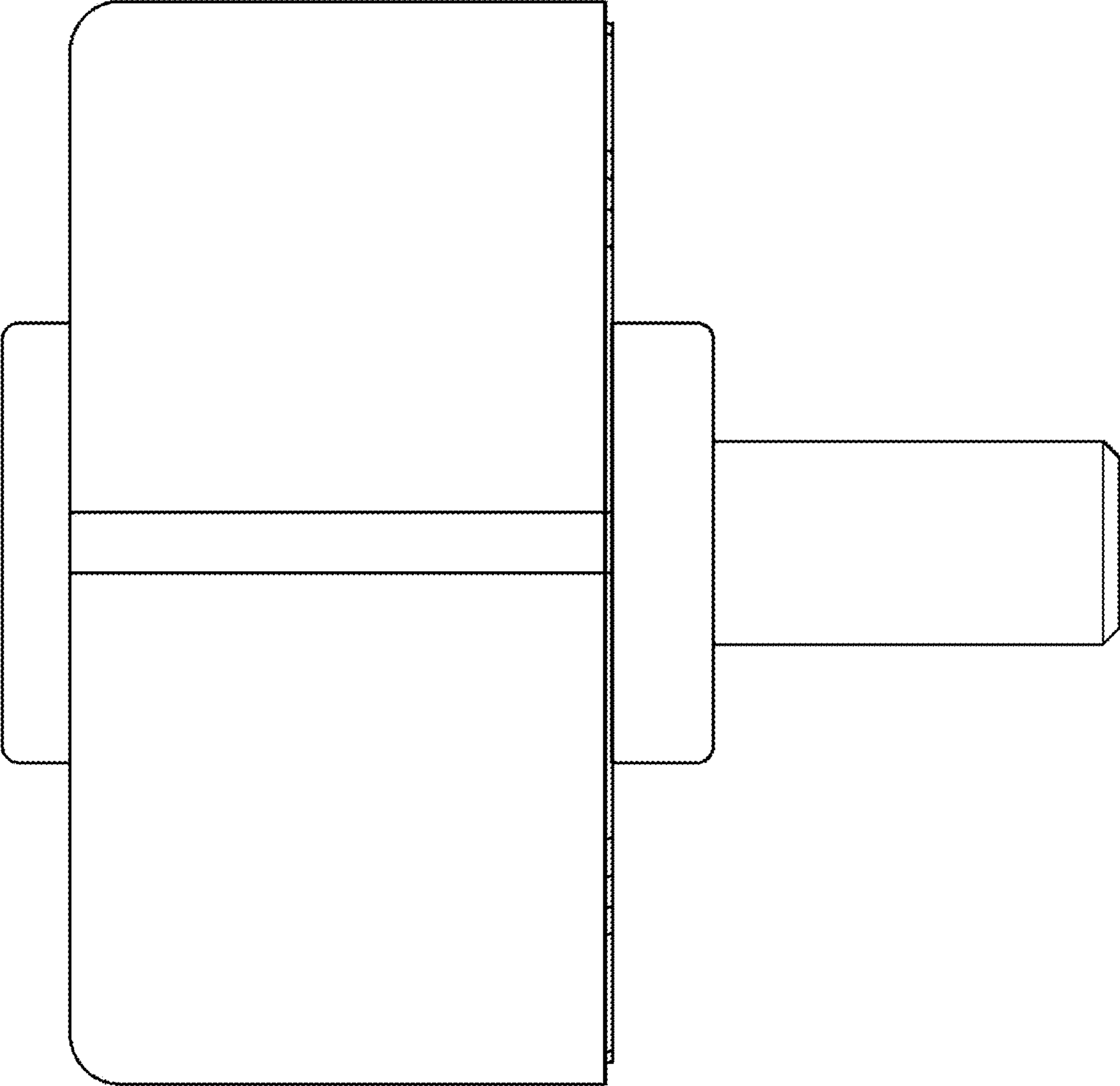


FIG. 6

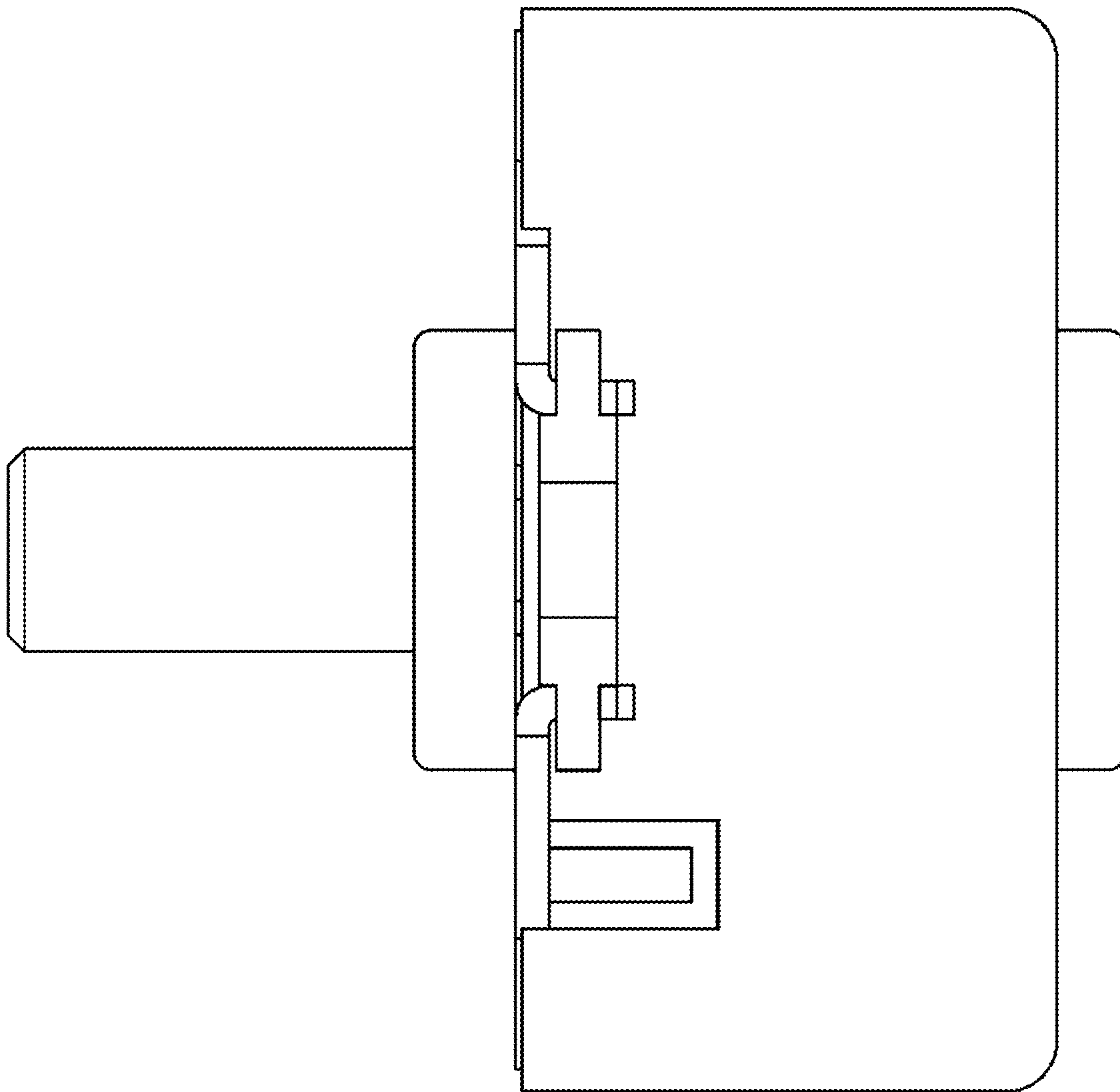


FIG. 7

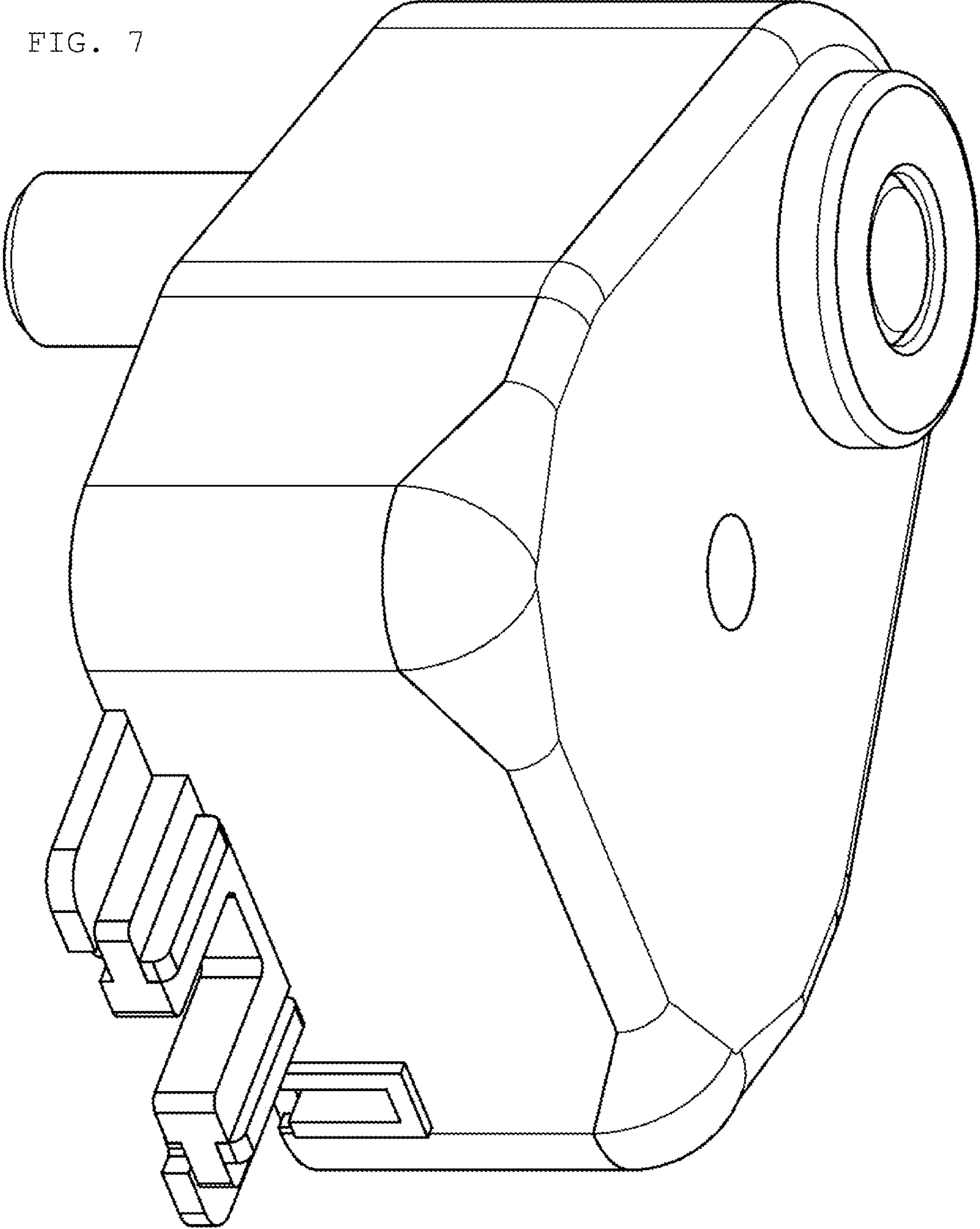


FIG. 8

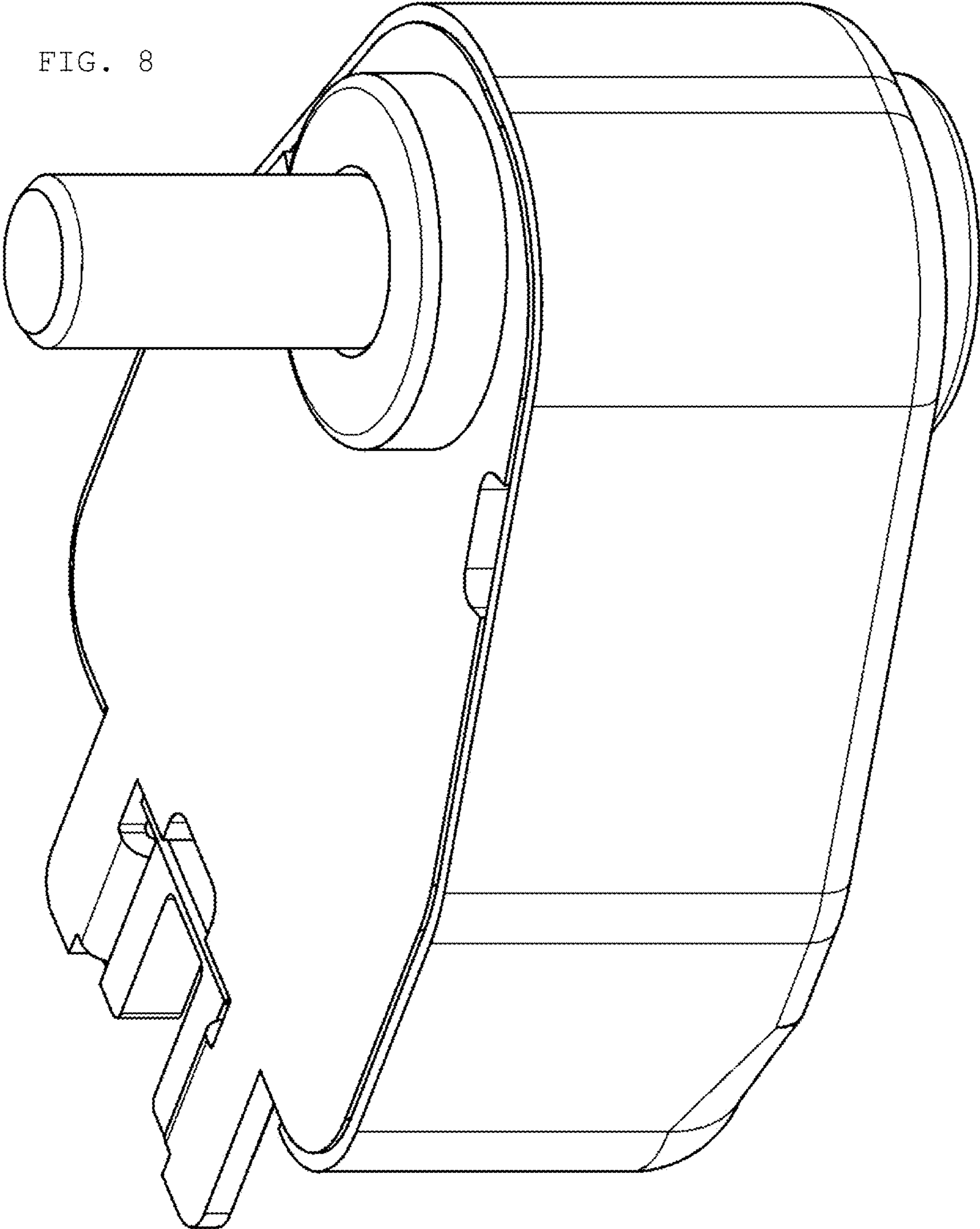


FIG. 9

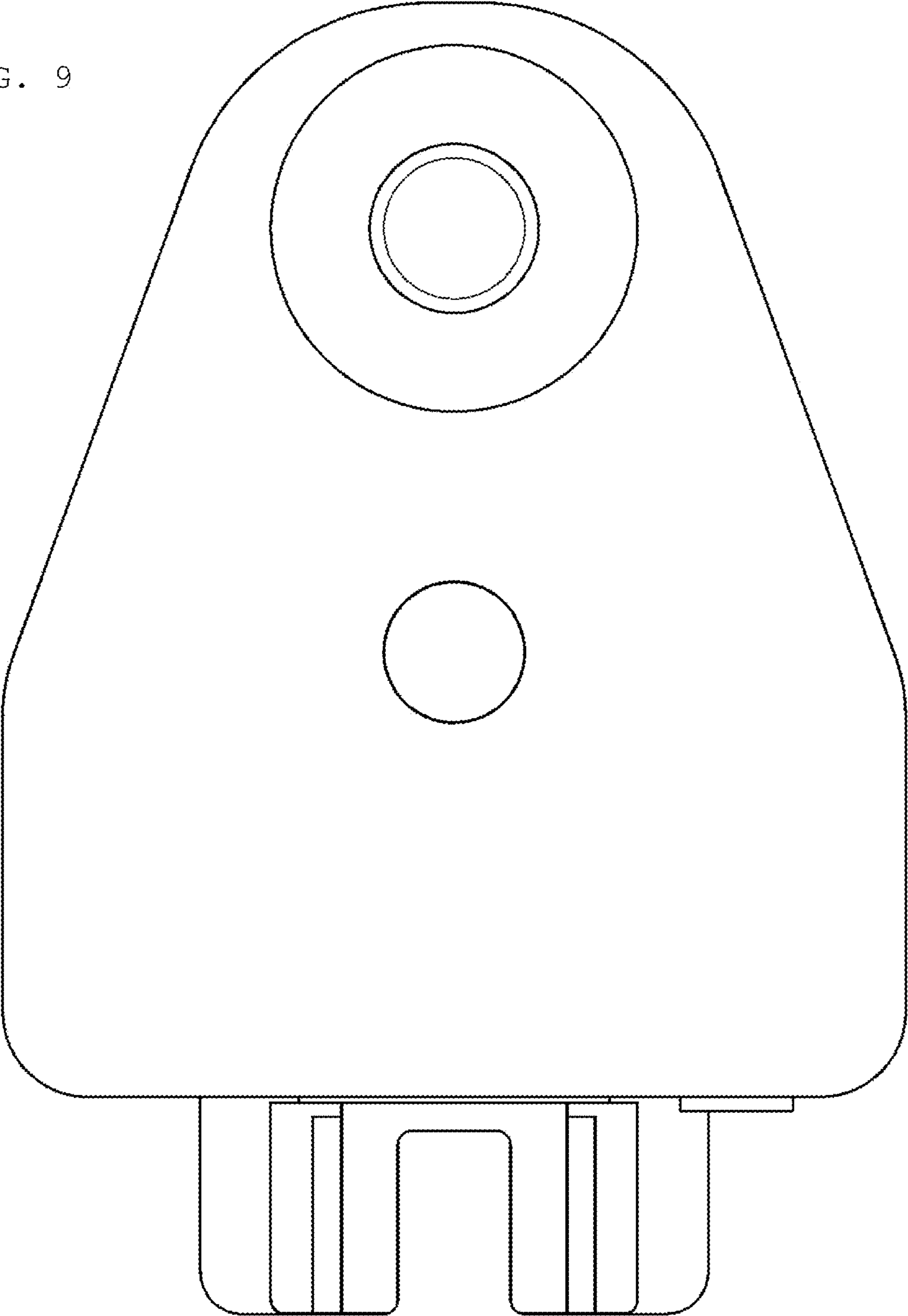


FIG. 10

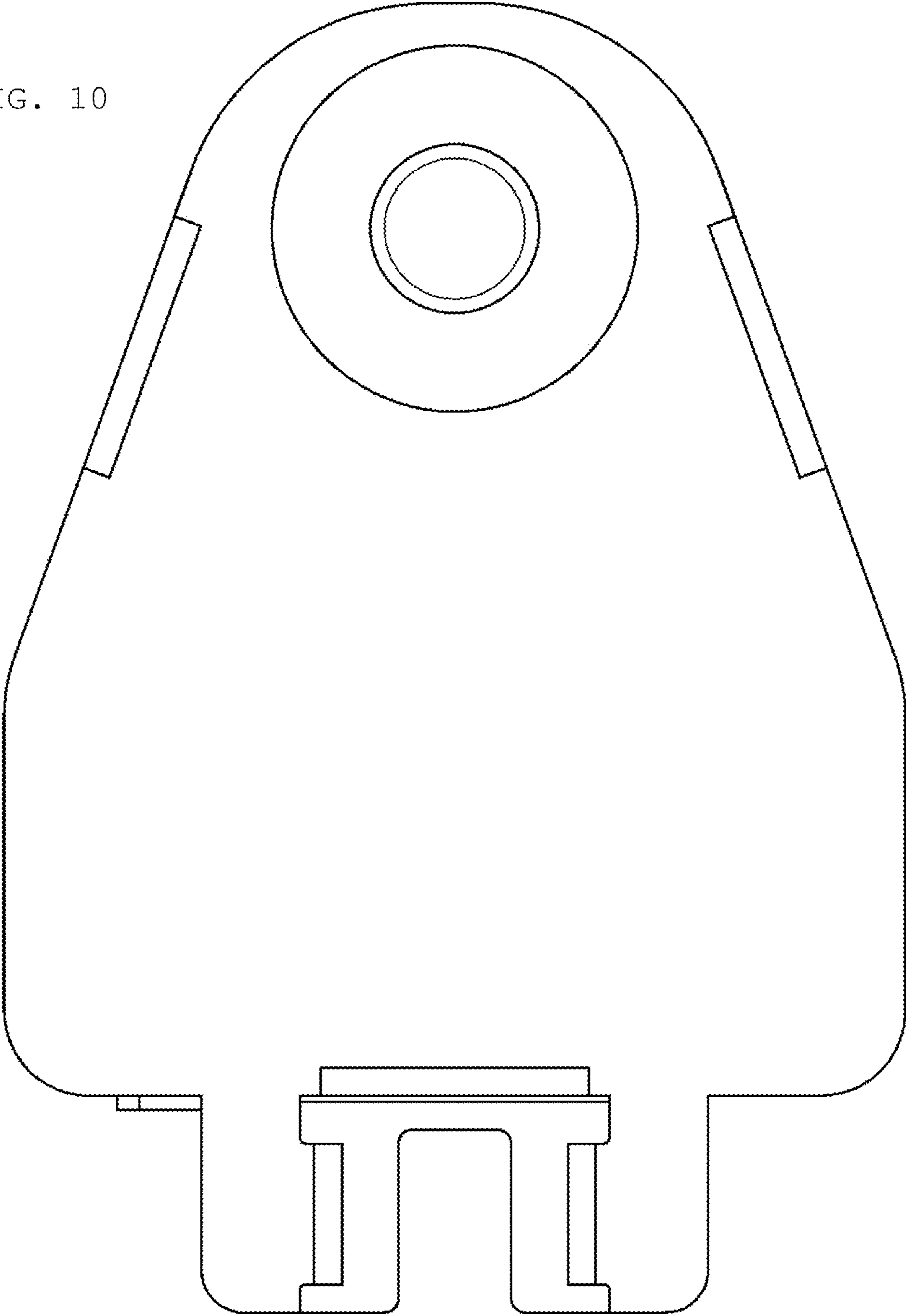
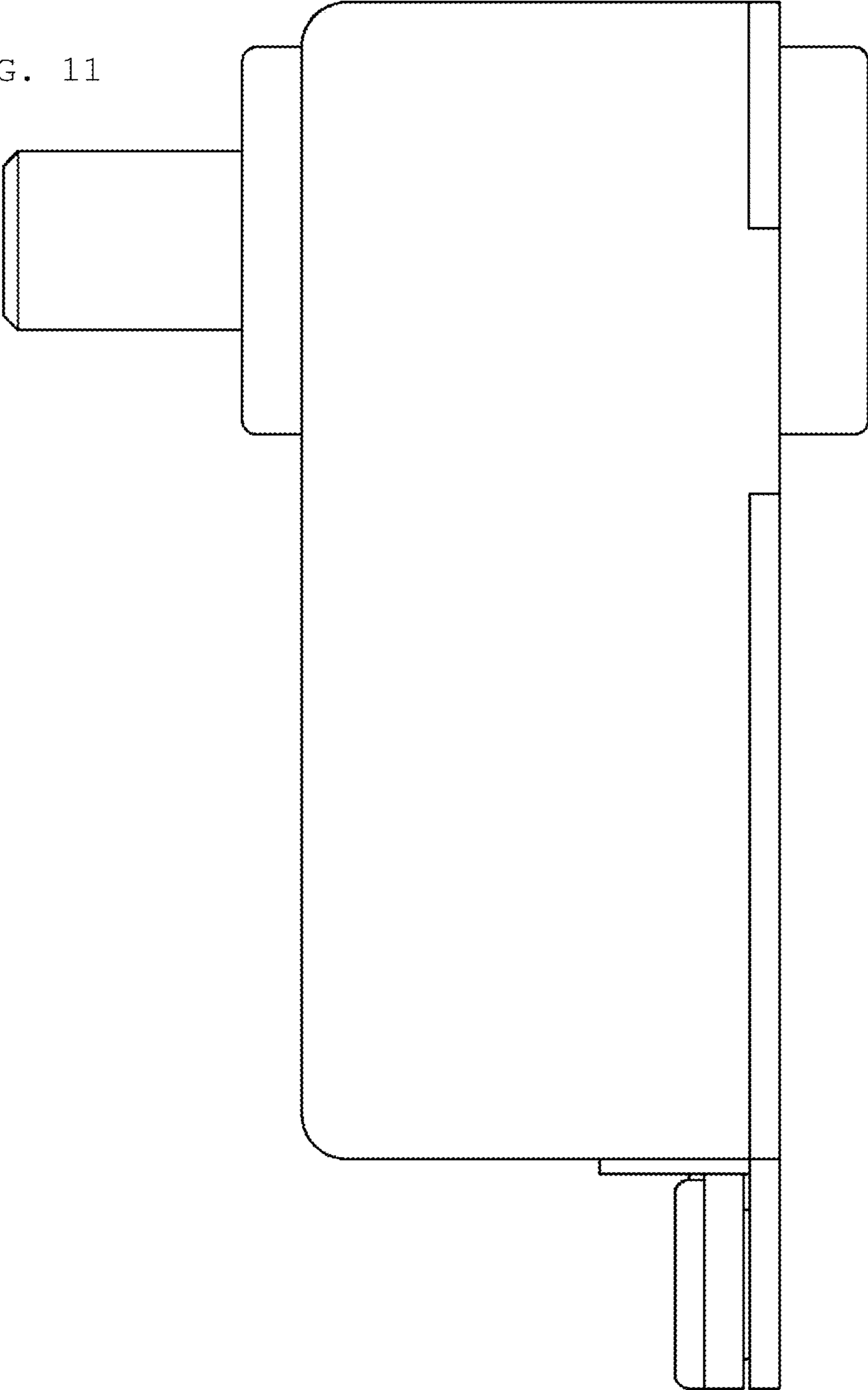


FIG. 11



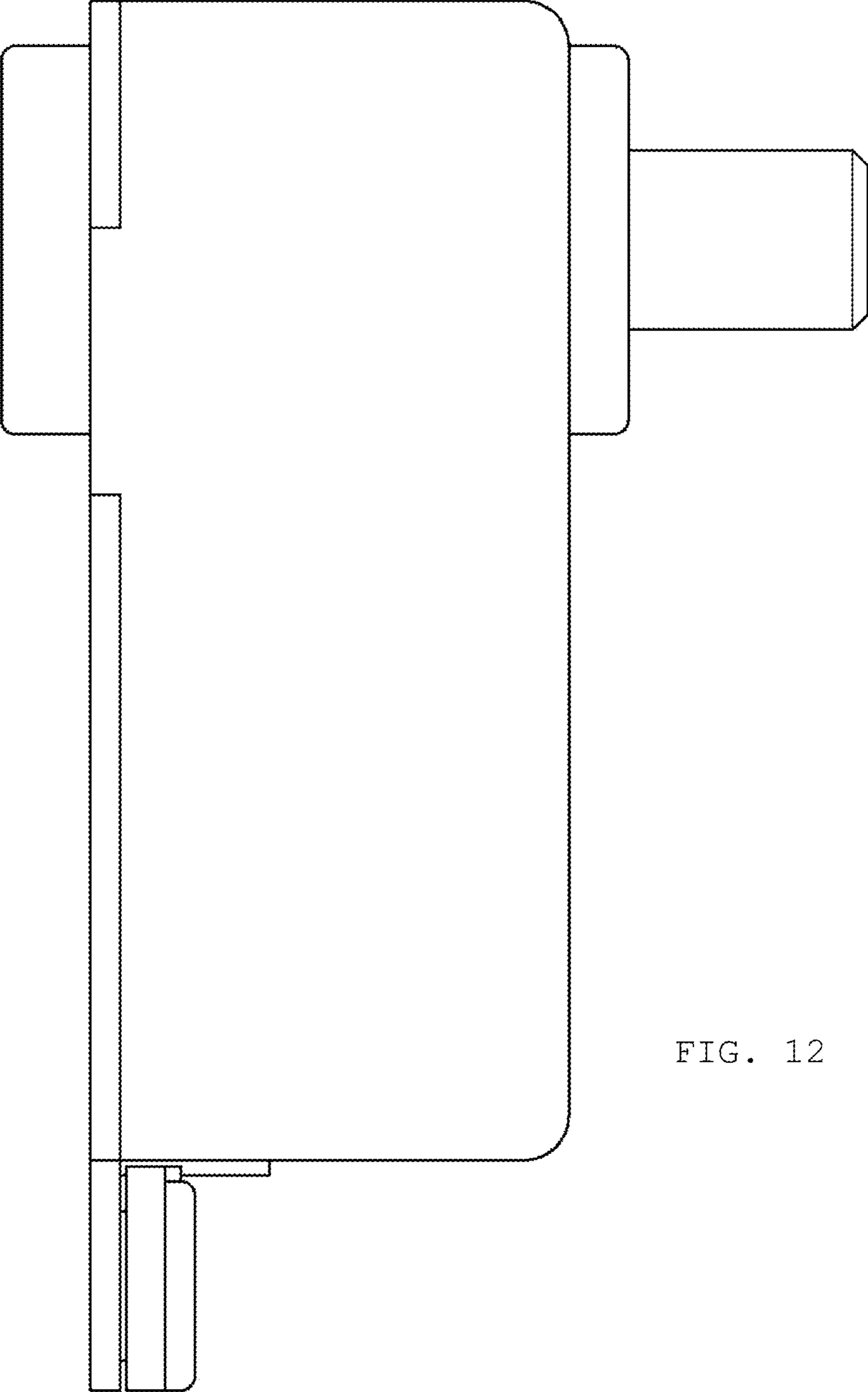
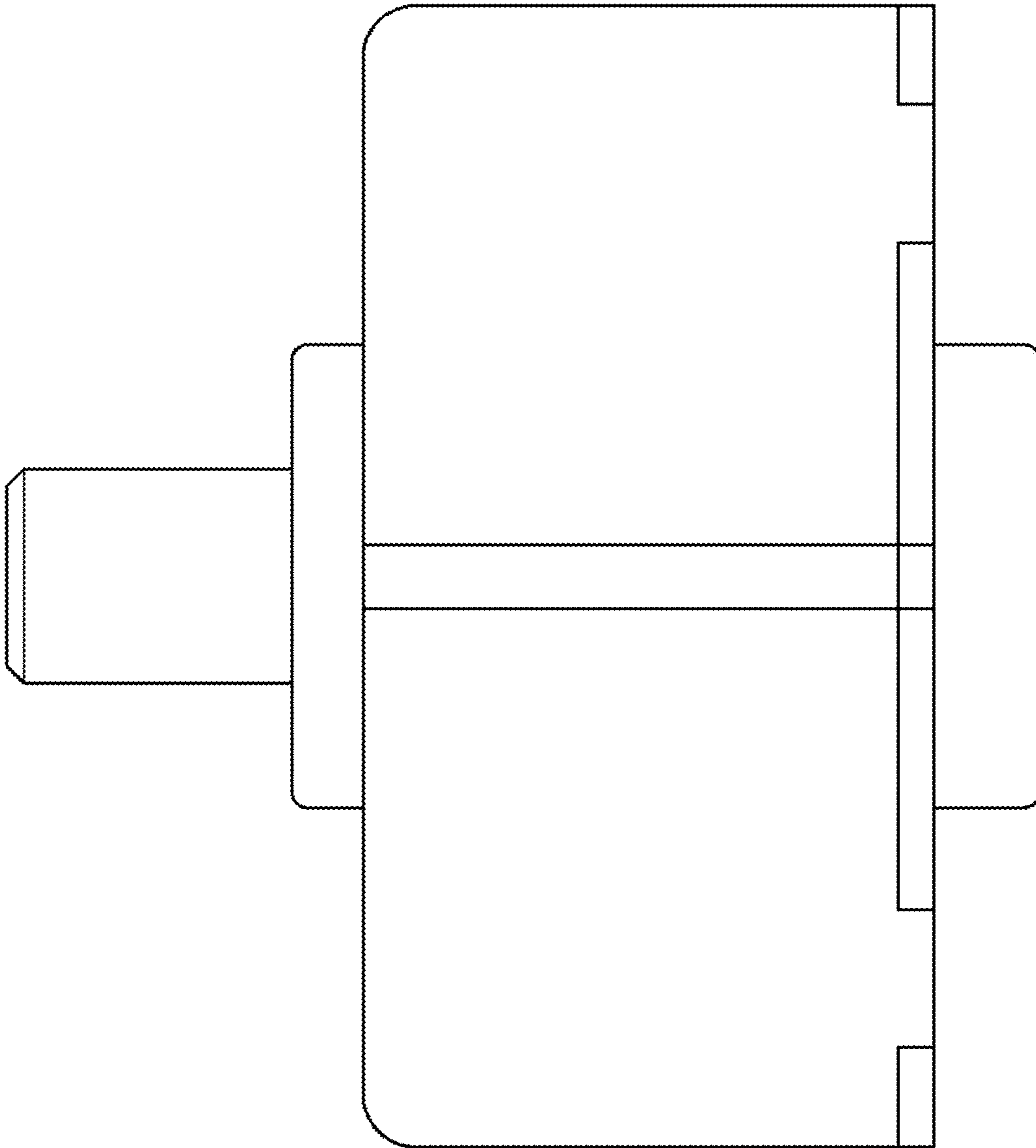


FIG. 12

FIG. 13



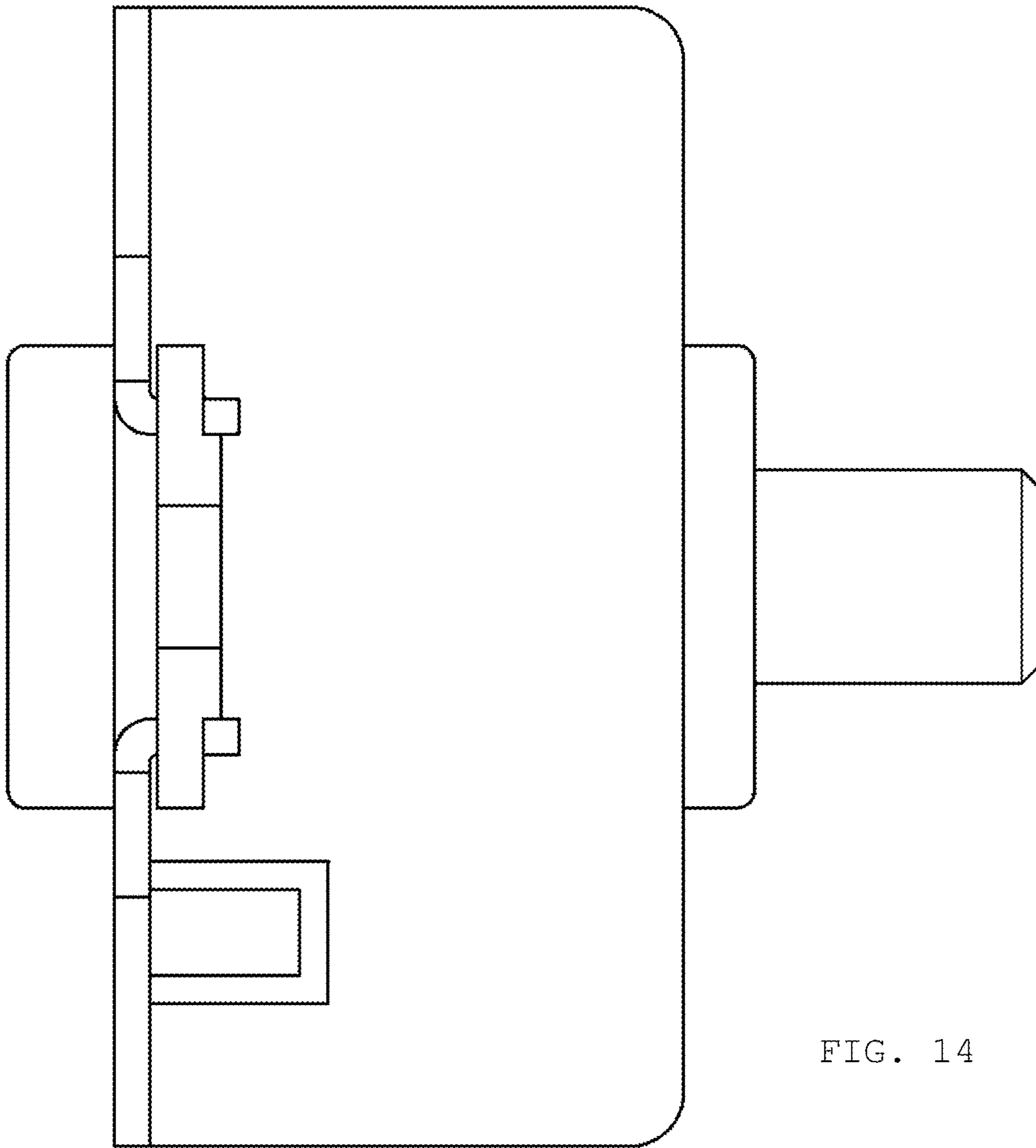


FIG. 14

FIG. 15

