



US00D506153S

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

(10) **Patent No.: US D506,153 S**
(45) **Date of Patent: ** Jun. 14, 2005**

(54) **ELECTRICAL CURRENT SENSOR**

(75) Inventor: **Pascal Morel**, Saint Pierre en Faucigny (FR)

(73) Assignee: **Liaisons Electroniques-Mecaniques LEM S.A.**, Geneva (CH)

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

(21) Appl. No.: **29/198,301**

(22) Filed: **Jan. 28, 2004**

(30) **Foreign Application Priority Data**

Aug. 14, 2003 (CH) 129881

(51) **LOC (8) Cl.** **10-04**

(52) **U.S. Cl.** **D10/78**

(58) **Field of Search** D10/78; 324/110, 324/107, 115, 117, 127, 142, 157; 336/175, 178, 216

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 6,005,383 A * 12/1999 Savary et al. 324/117 H
- D420,297 S * 2/2000 Cattaneo D10/78
- 6,769,166 B1 * 8/2004 Blanchard 29/595

OTHER PUBLICATIONS

- Technical Specification Sheets for LEM Voltage Transducer CV 4-3000.
- Technical Specification Sheets for LEM Voltage Transducer LV 200-AW.
- Technical Specification Sheets for LEM Voltage Transducer LV 100.
- Technical Specification Sheets for LEM Voltage Transducer LV 200-AW/2/1600.

* cited by examiner

Primary Examiner—Antoine D. Davis

(74) *Attorney, Agent, or Firm*—Clifford W. Browning; Woodard, Emhardt, Moriarty, McNett & Henry LLP

(57) **CLAIM**

The ornamental design for an electrical current sensor, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of an electrical current sensor, showing my new design.

FIG. 2 is a bottom perspective view thereof.

FIG. 3 is a bottom plan view thereof.

FIG. 4 is a left side view thereof.

FIG. 5 is a rear view thereof.

FIG. 6 is a right side view thereof.

FIG. 7 is a front view thereof.

FIG. 8 is a top view thereof.

FIG. 9 is a top perspective view of a second variant of an electrical current sensor, showing my new design.

FIG. 10 is a bottom perspective plan view thereof.

FIG. 11 is a bottom plan view thereof.

FIG. 12 is a left side view thereof.

FIG. 13 is a front view thereof.

FIG. 14 is a right side view thereof.

FIG. 15 is a rear view thereof.

FIG. 16 is a top plan view thereof.

FIG. 17 is a front perspective view of a third variant of an electrical current sensor, showing my new design.

FIG. 18 is a bottom perspective view thereof.

FIG. 19 is a bottom plan view thereof.

FIG. 20 is a left side view thereof.

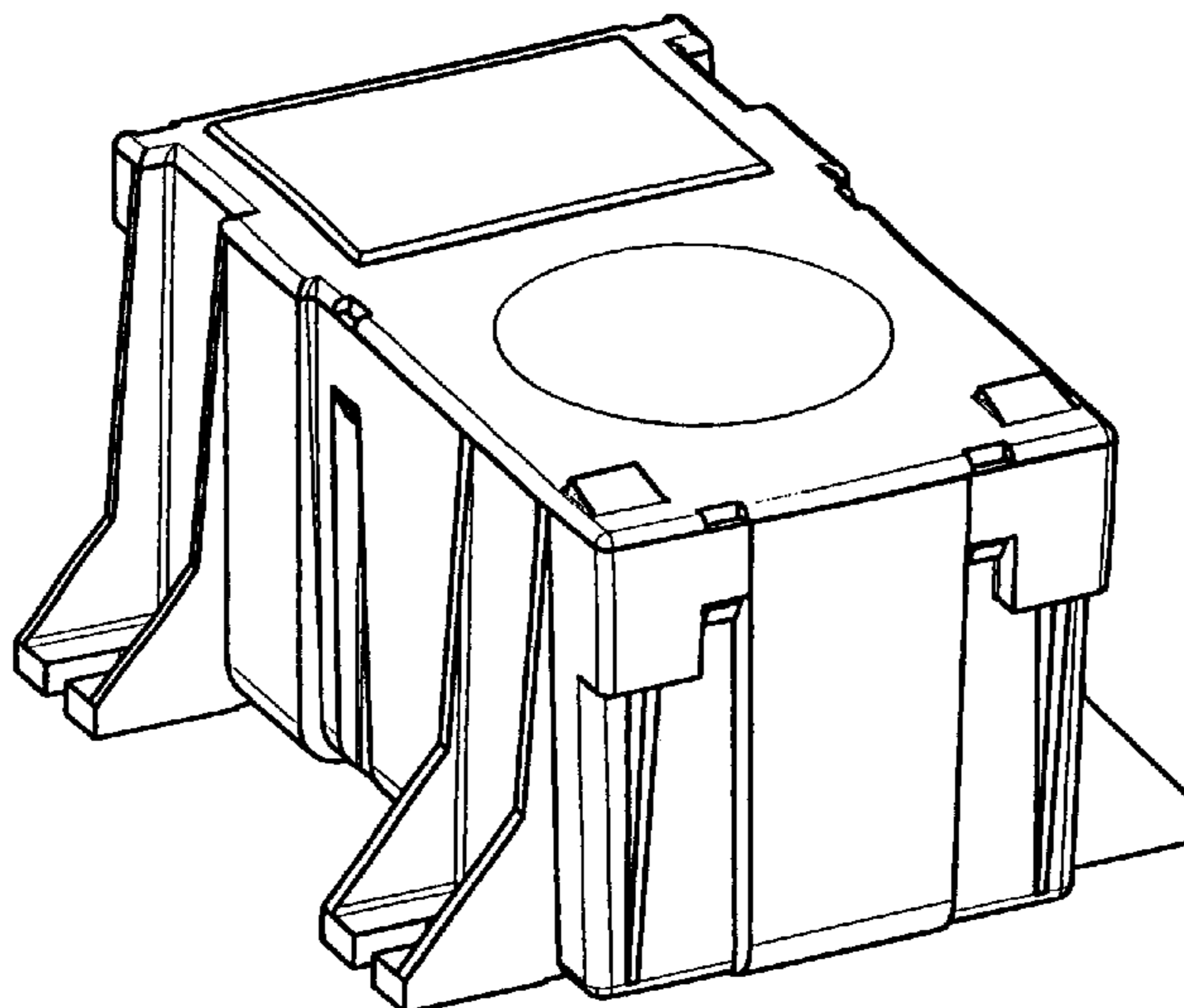
FIG. 21 is a front view thereof.

FIG. 22 is a right side view thereof.

FIG. 23 is a rear view thereof; and,

FIG. 24 is a top plan view thereof.

1 Claim, 6 Drawing Sheets



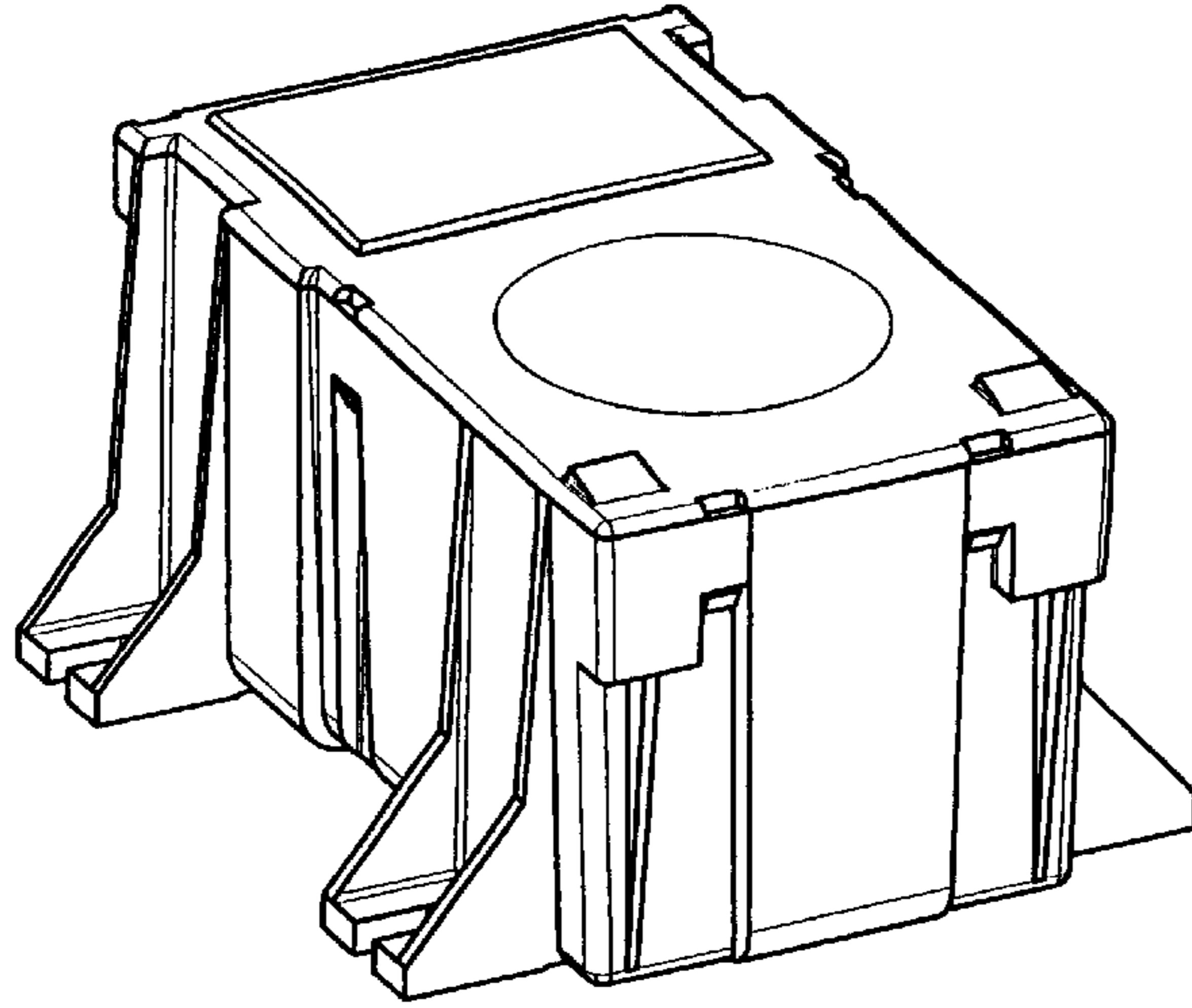


Fig. 1

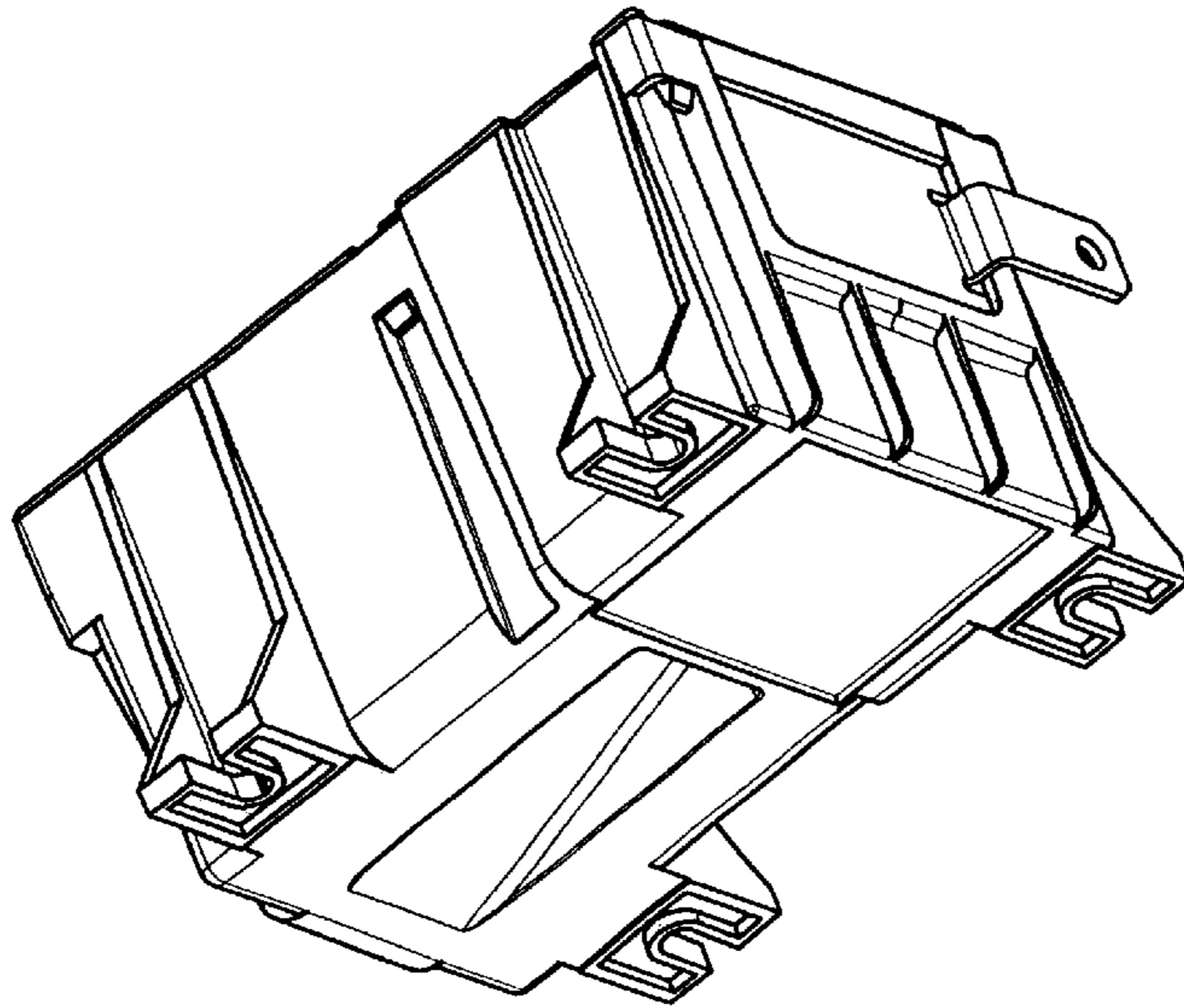


Fig. 2

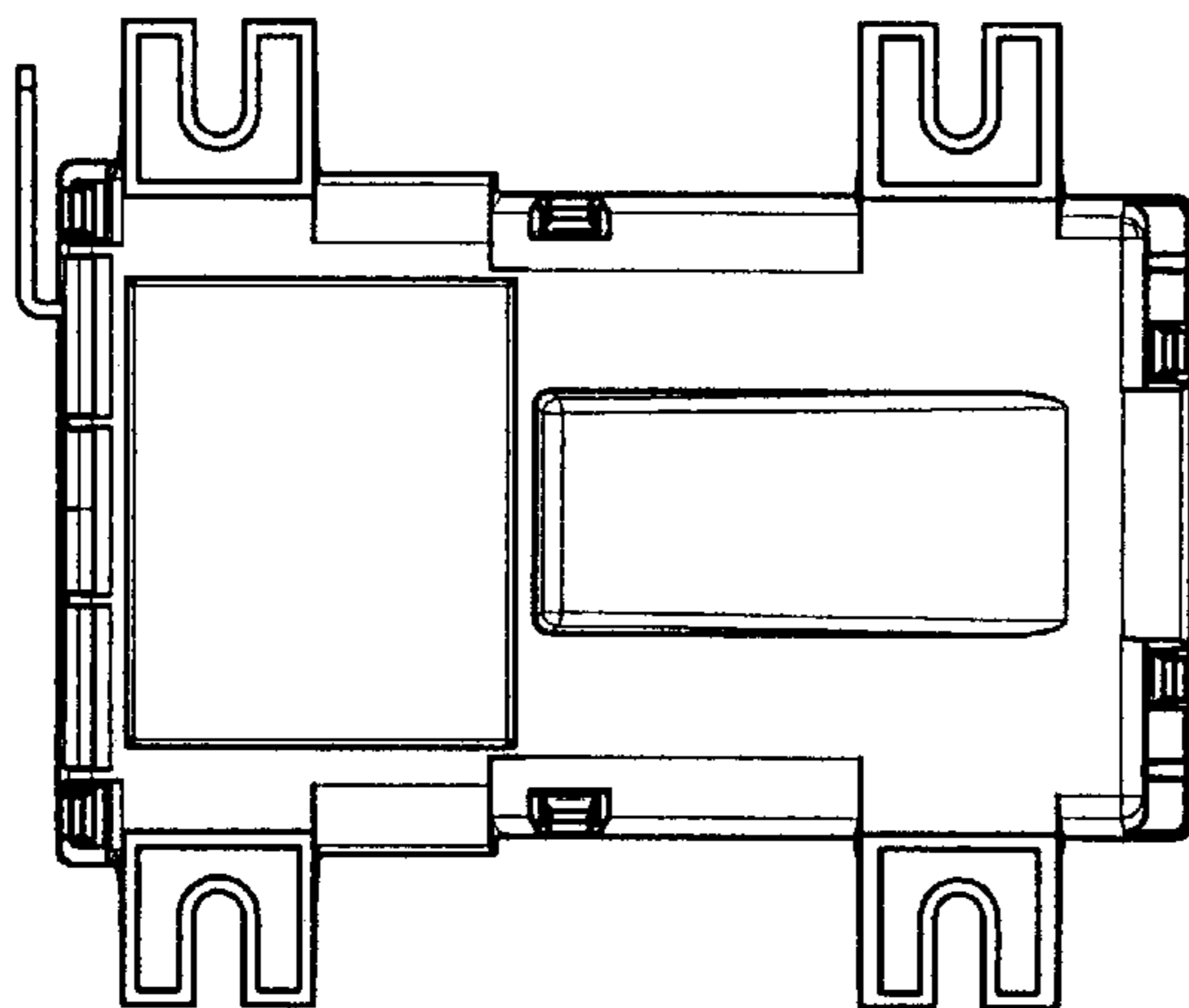


Fig. 3

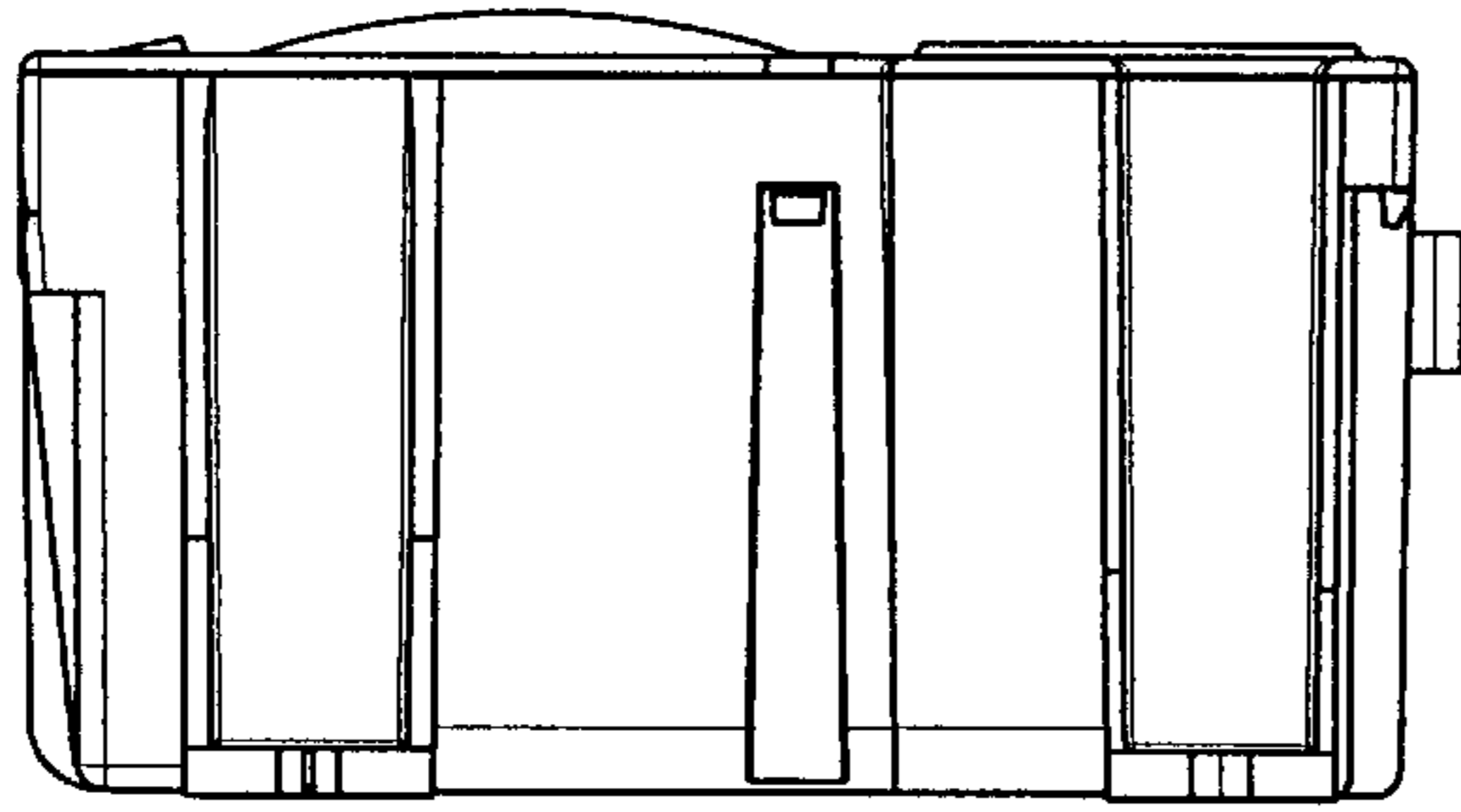


Fig. 4

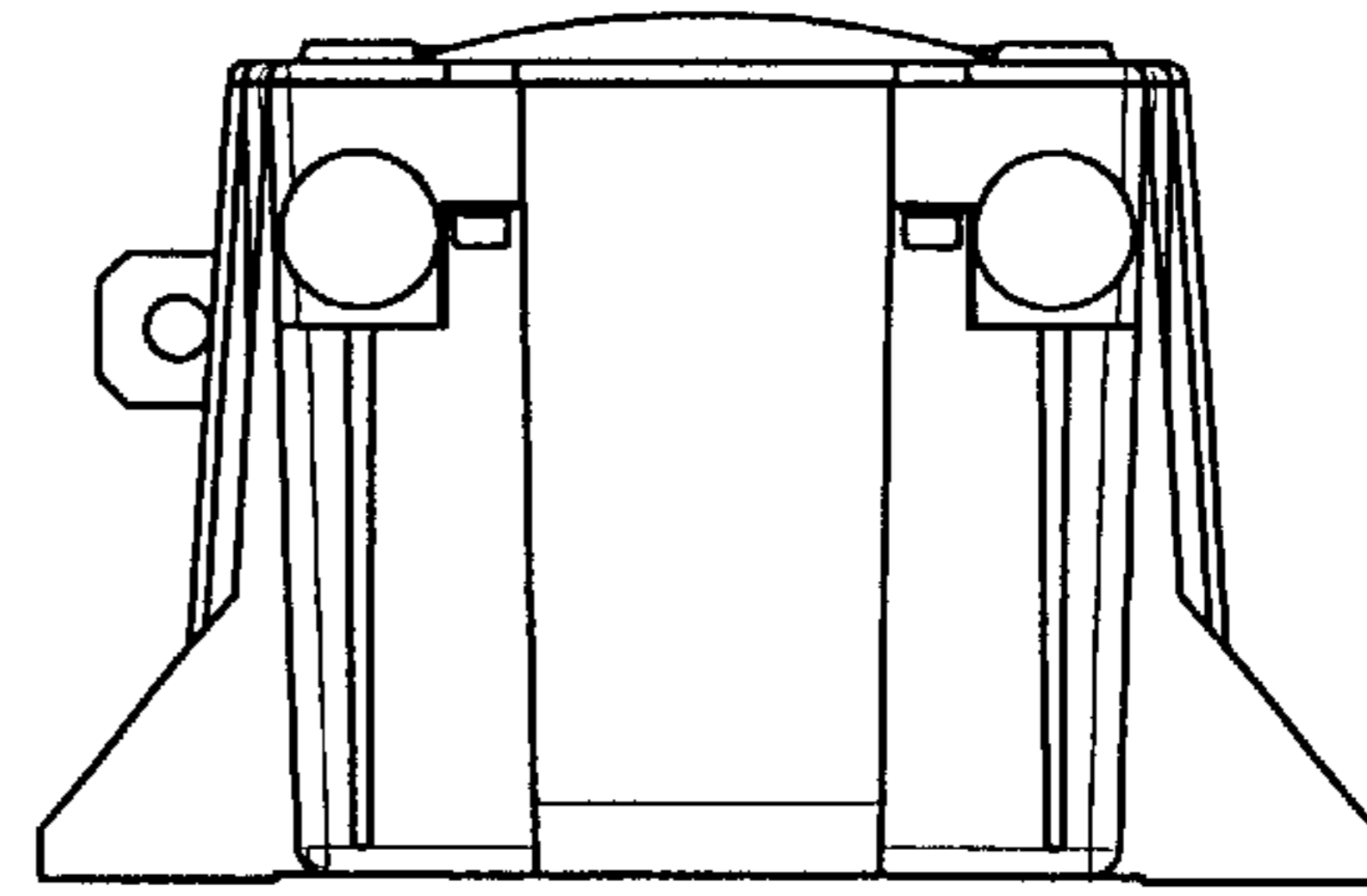


Fig. 5

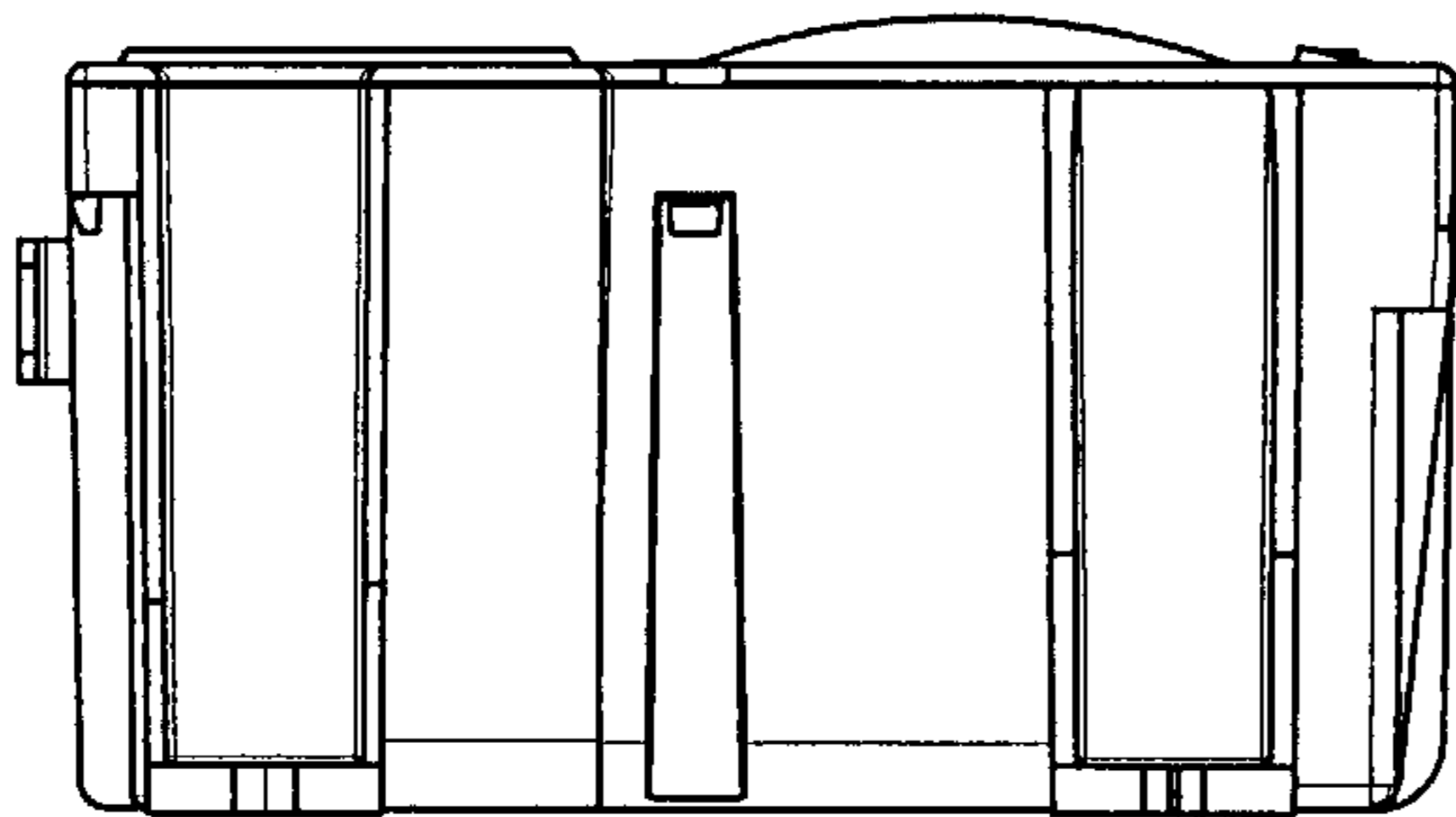


Fig. 6

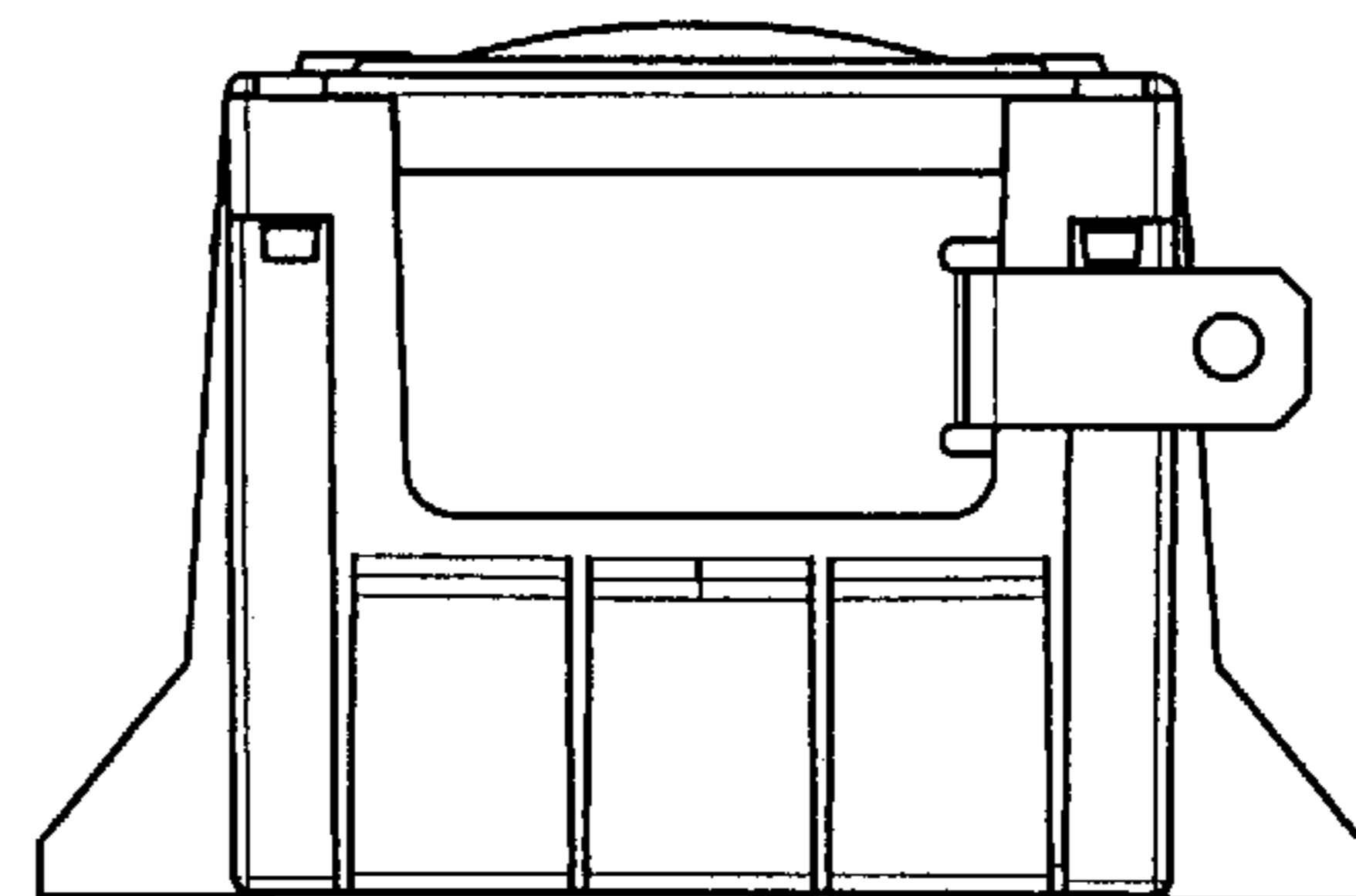


Fig. 7

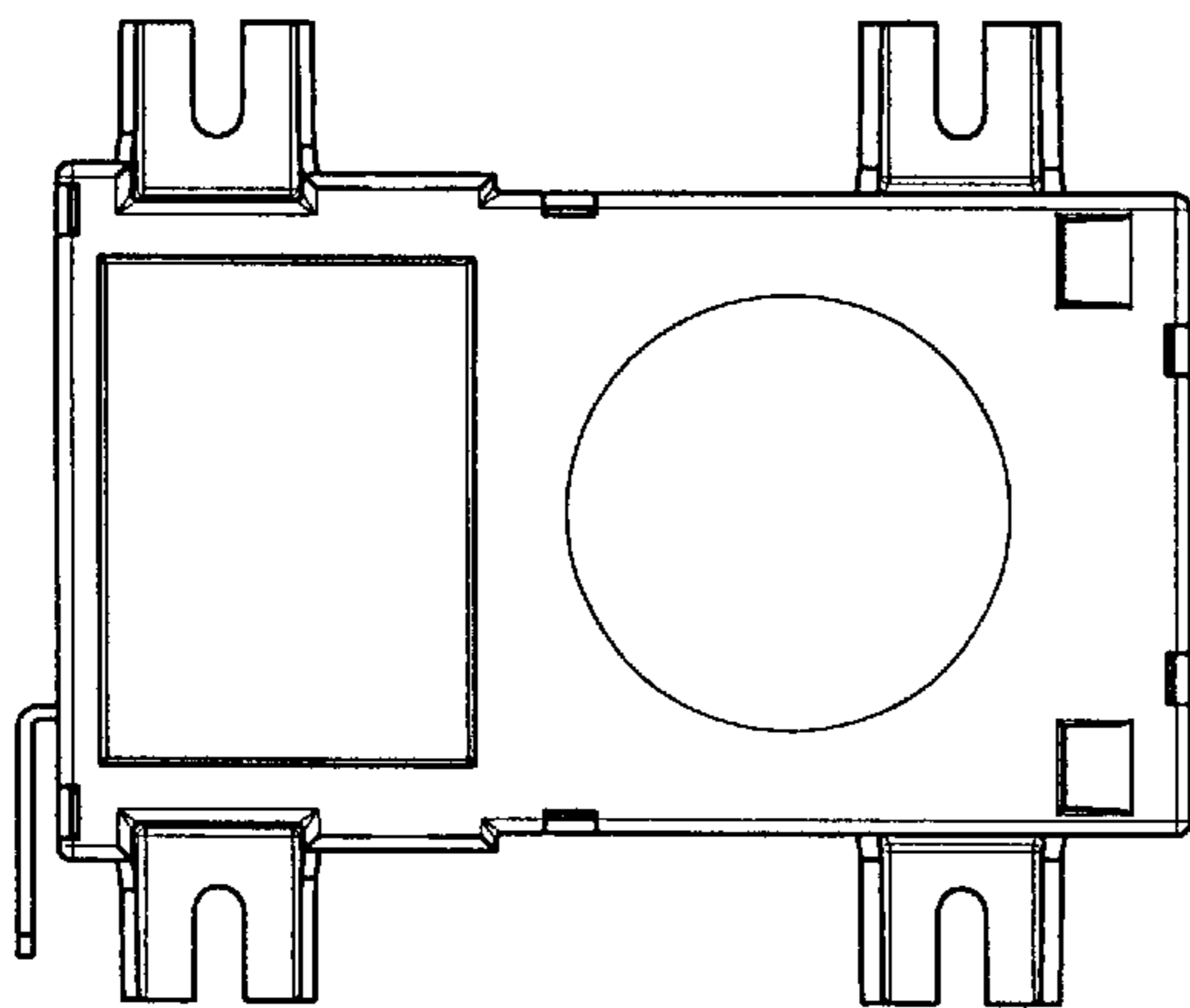


Fig. 8

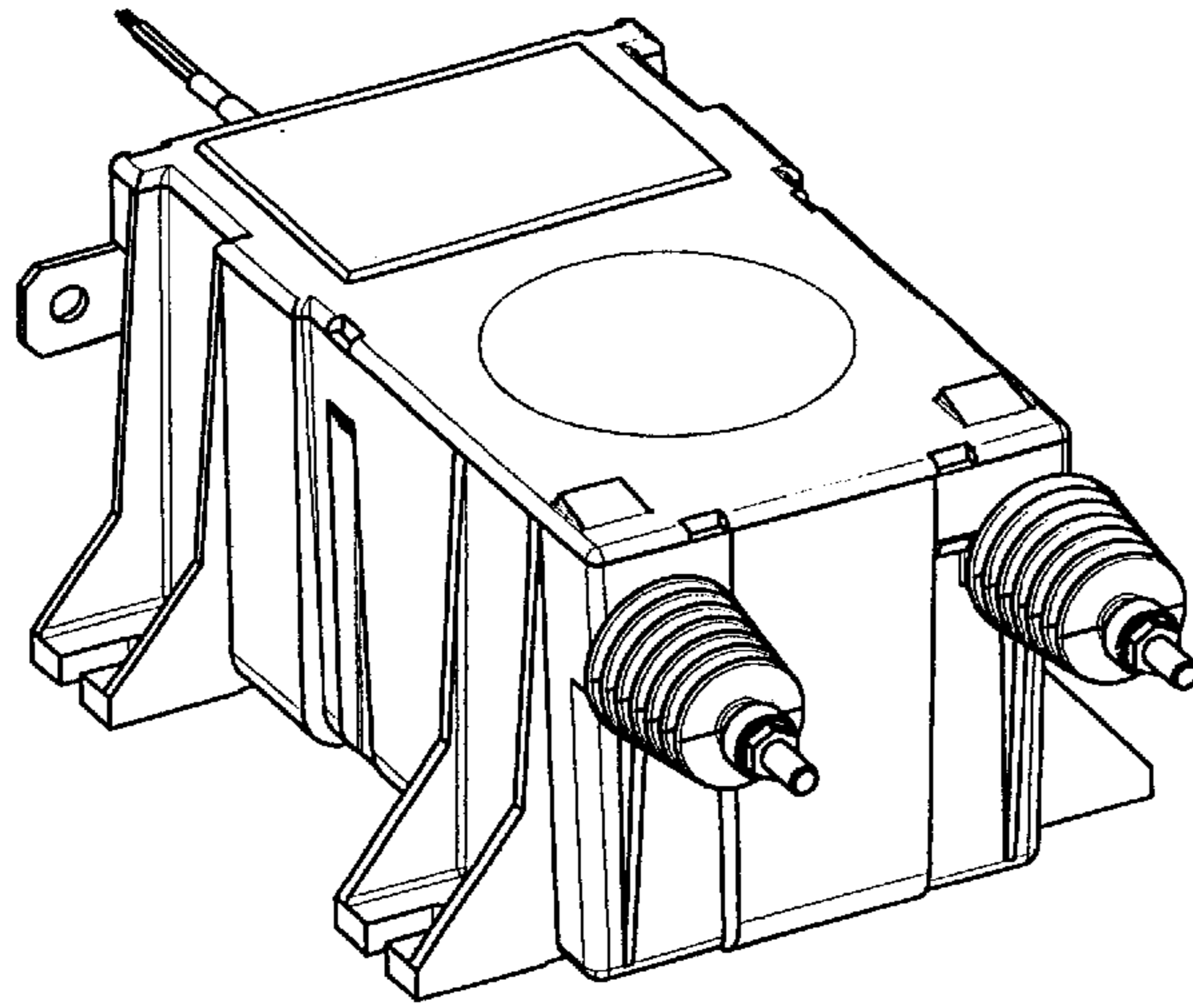


Fig. 9

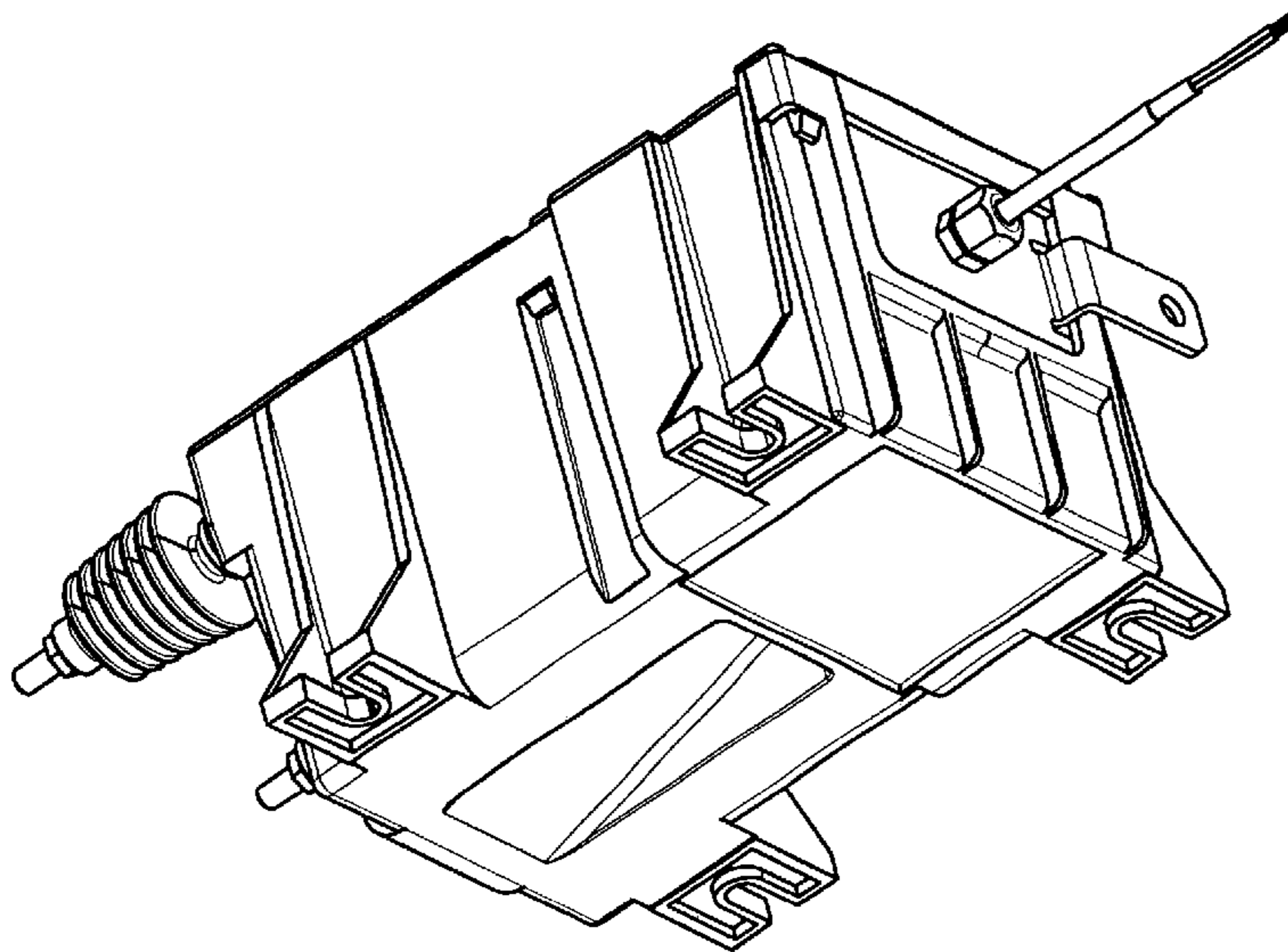


Fig. 10

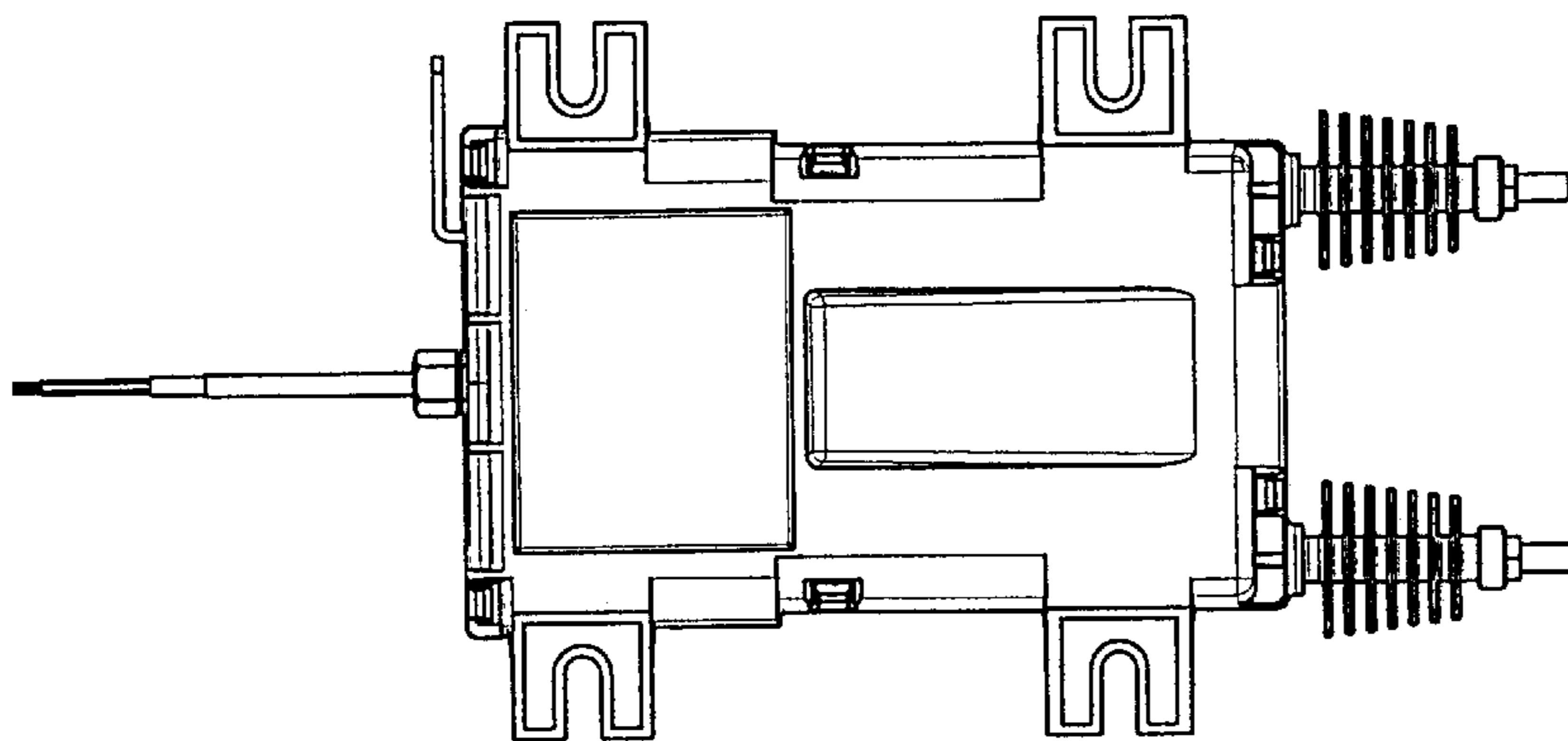


Fig. 11

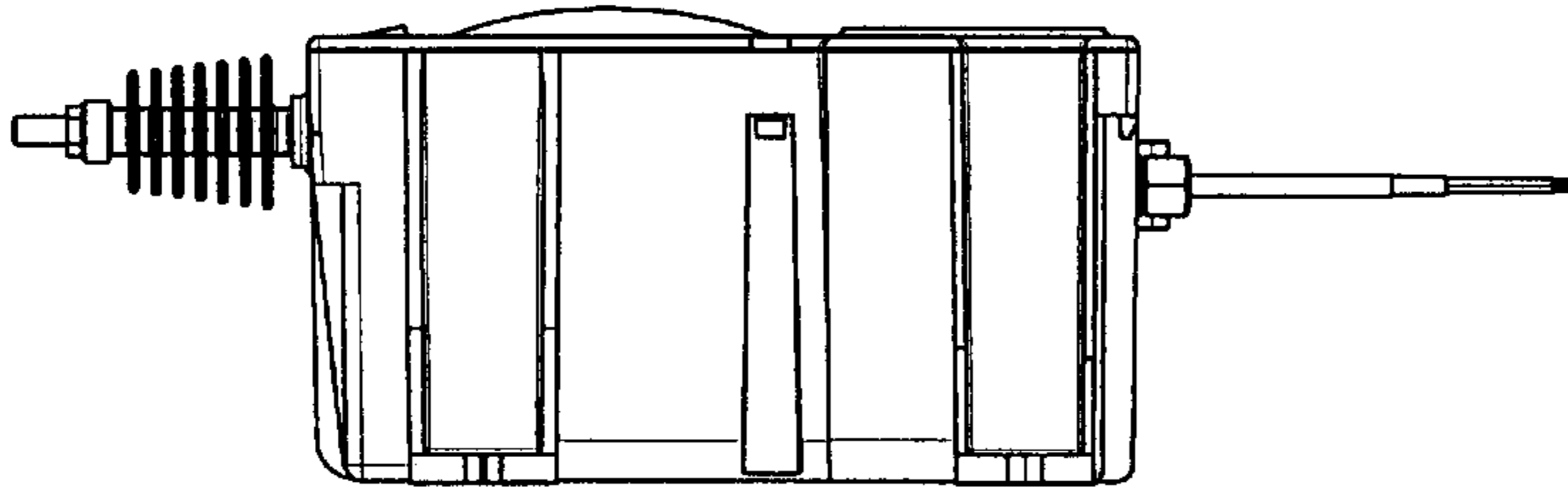


Fig. 12

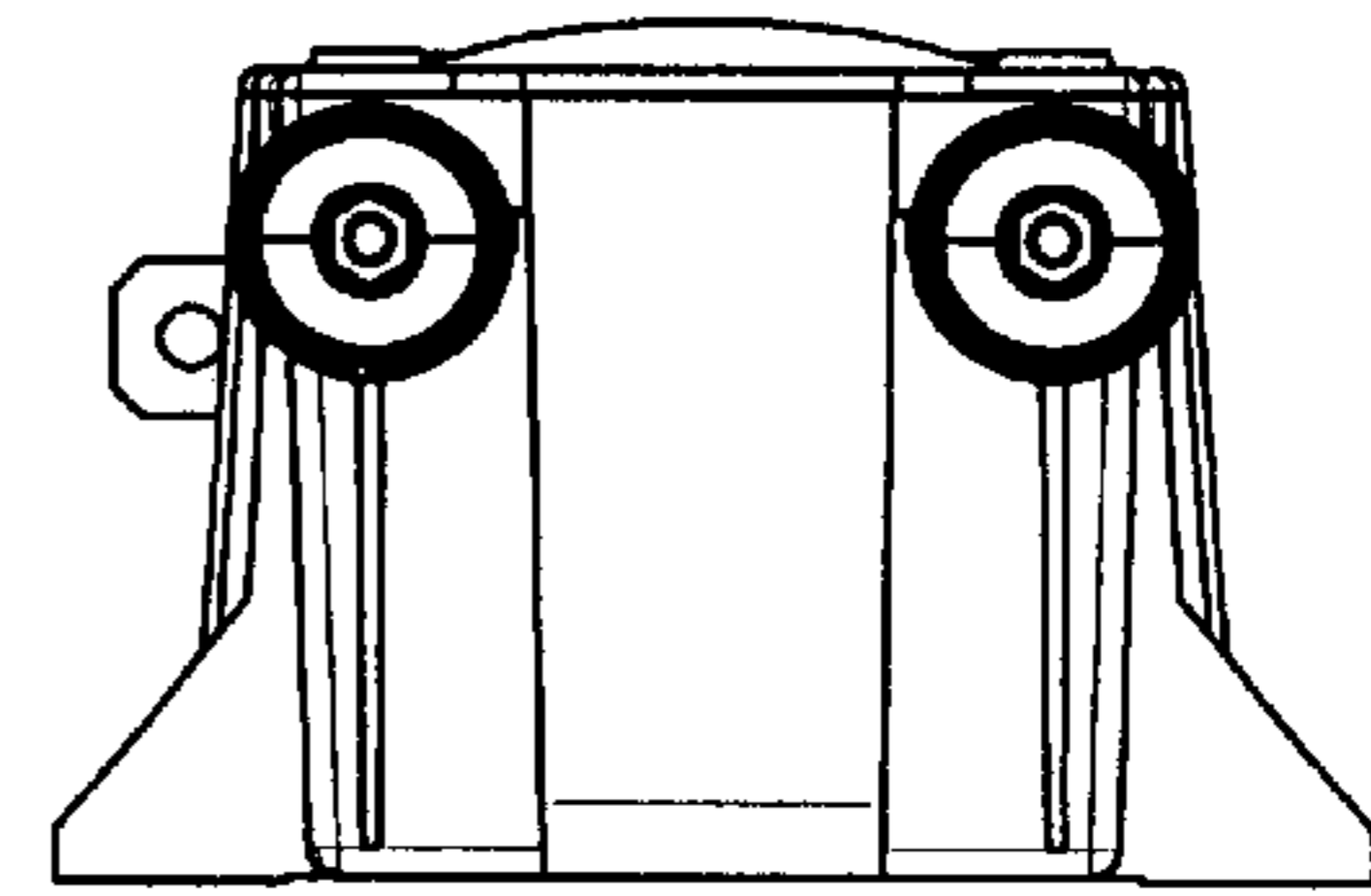


Fig. 13

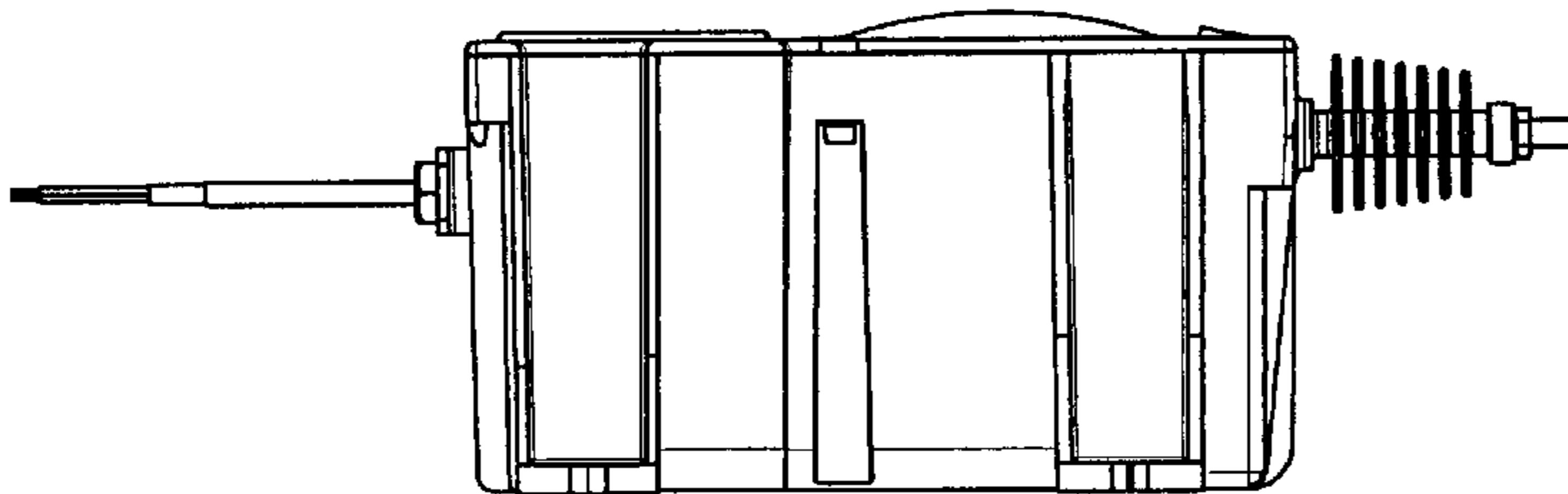


Fig. 14

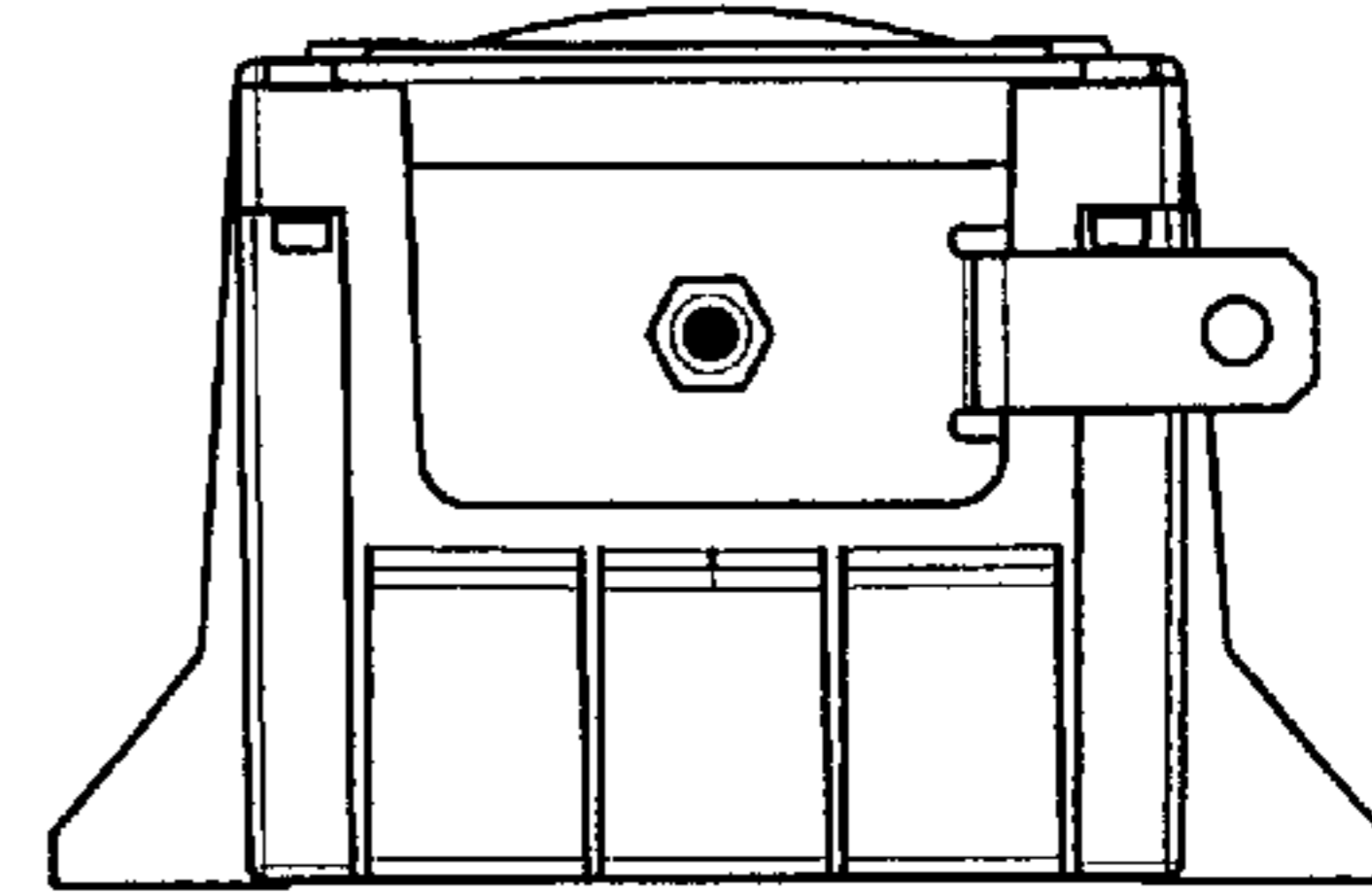


Fig. 15

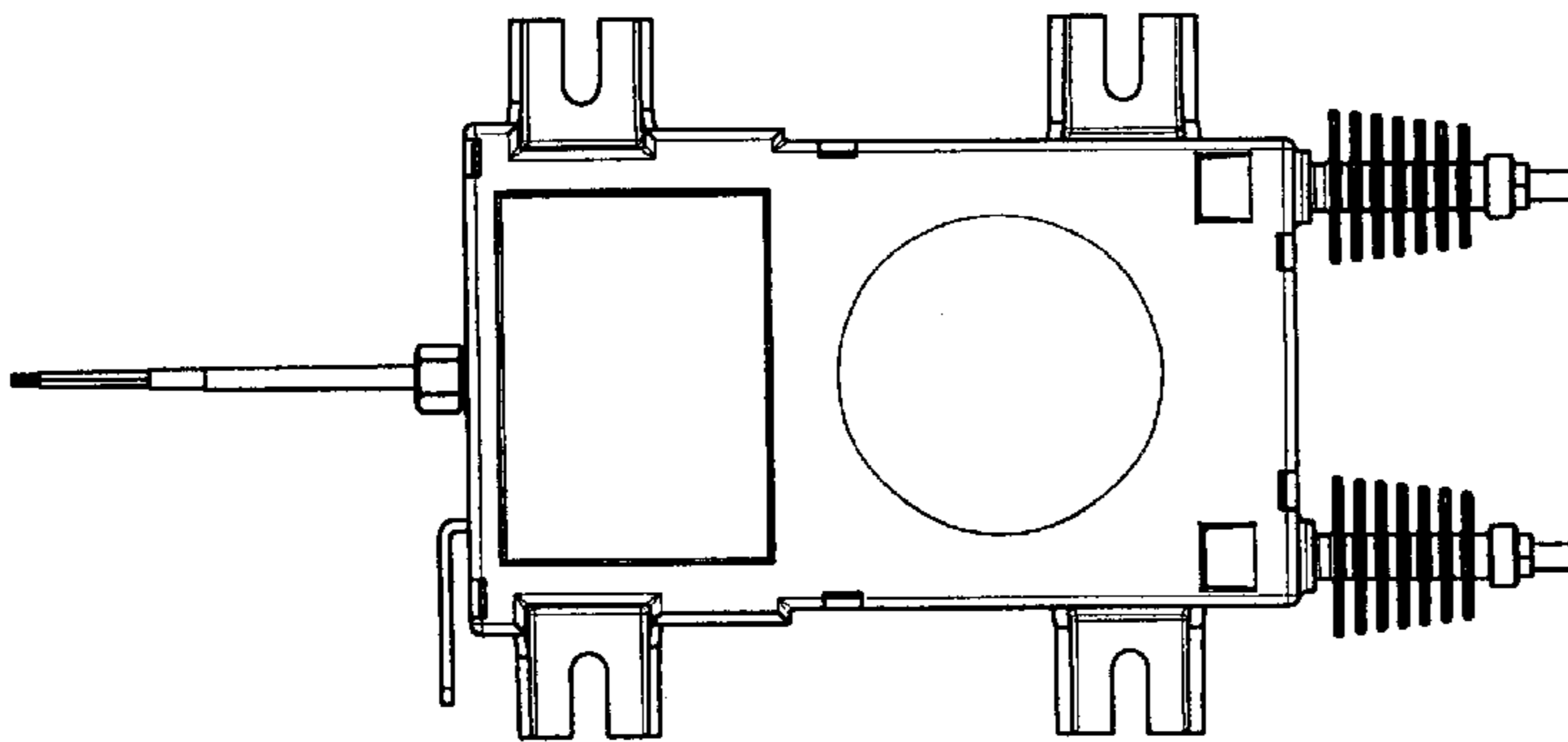


Fig. 16

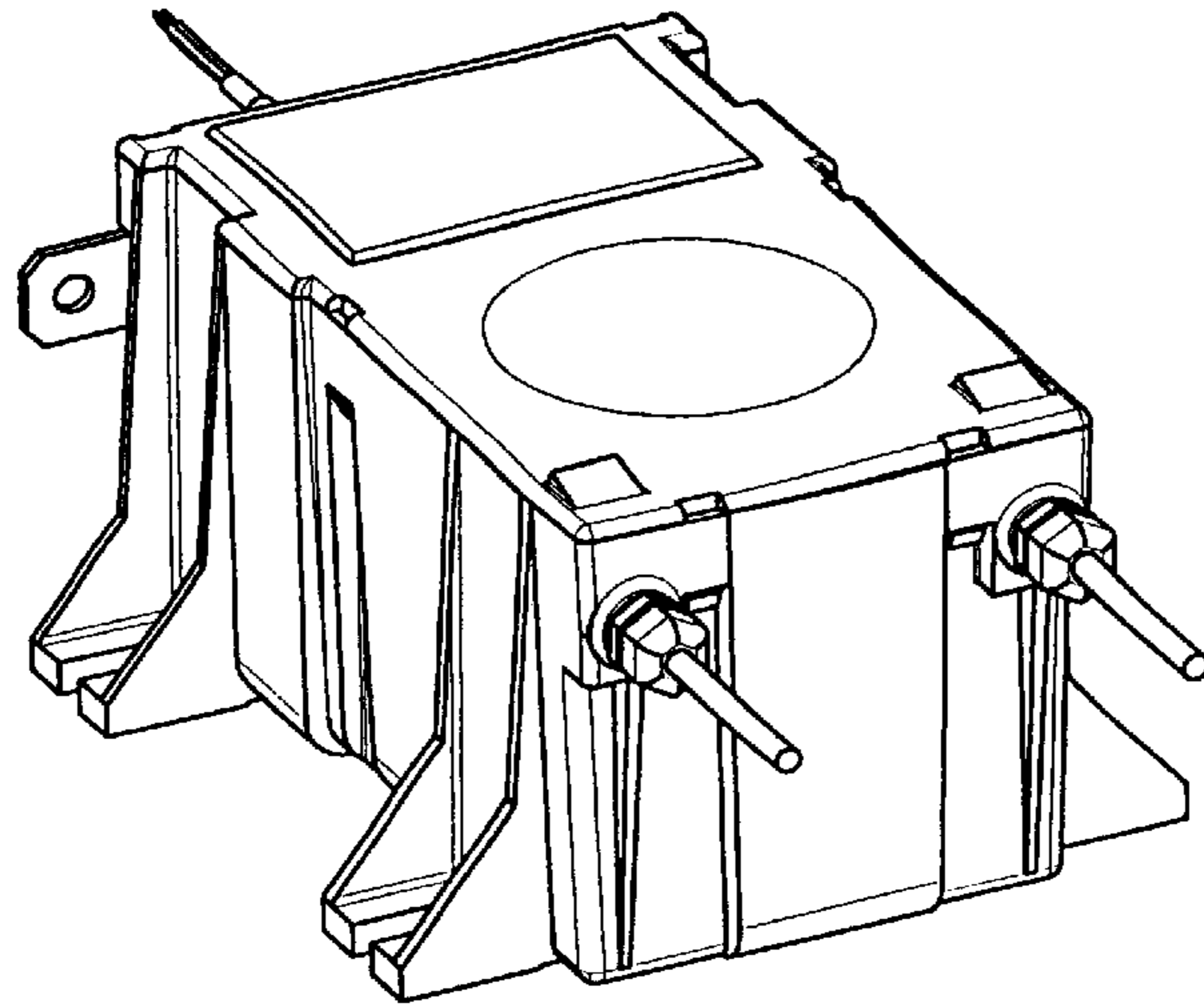


Fig. 17

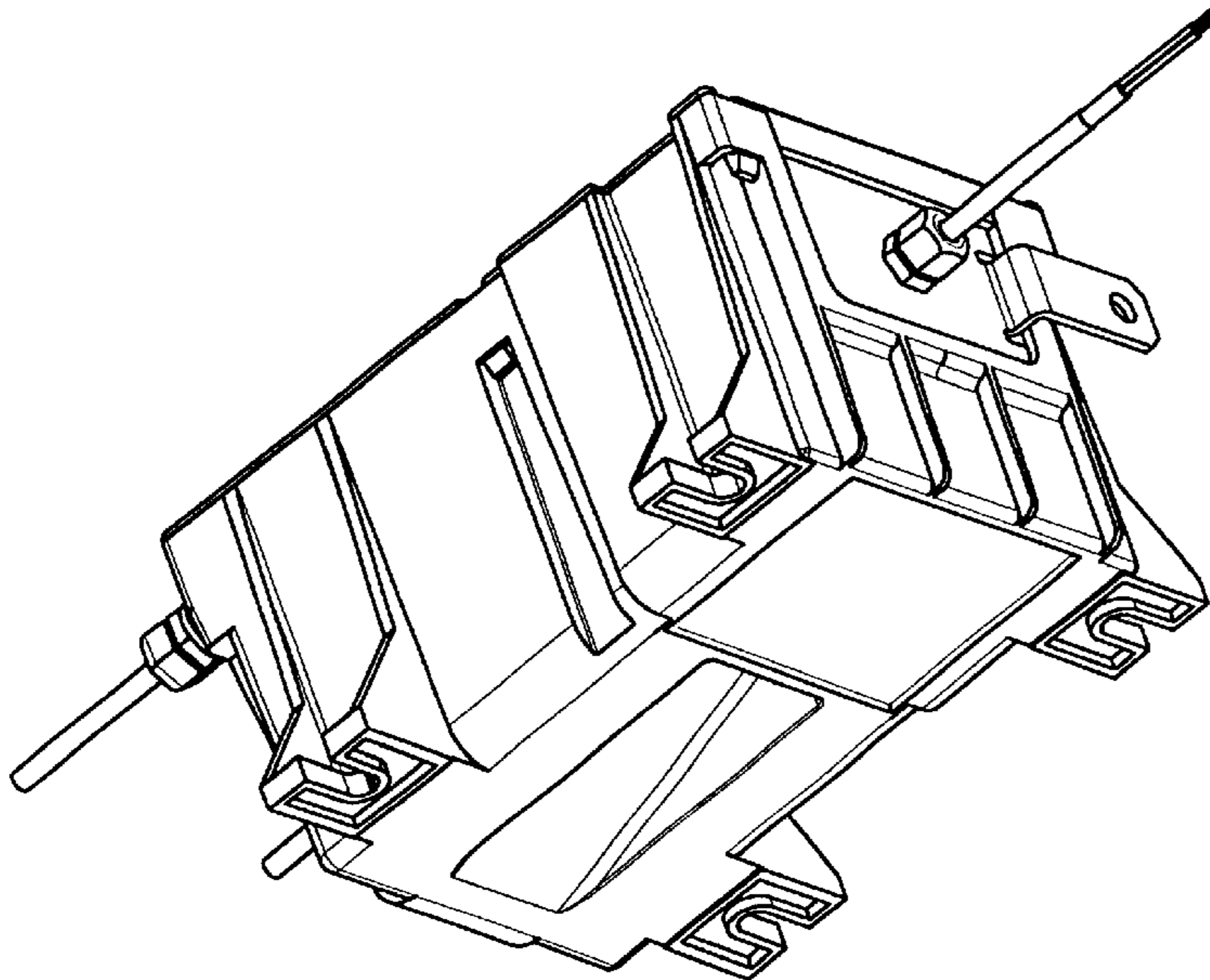


Fig. 18

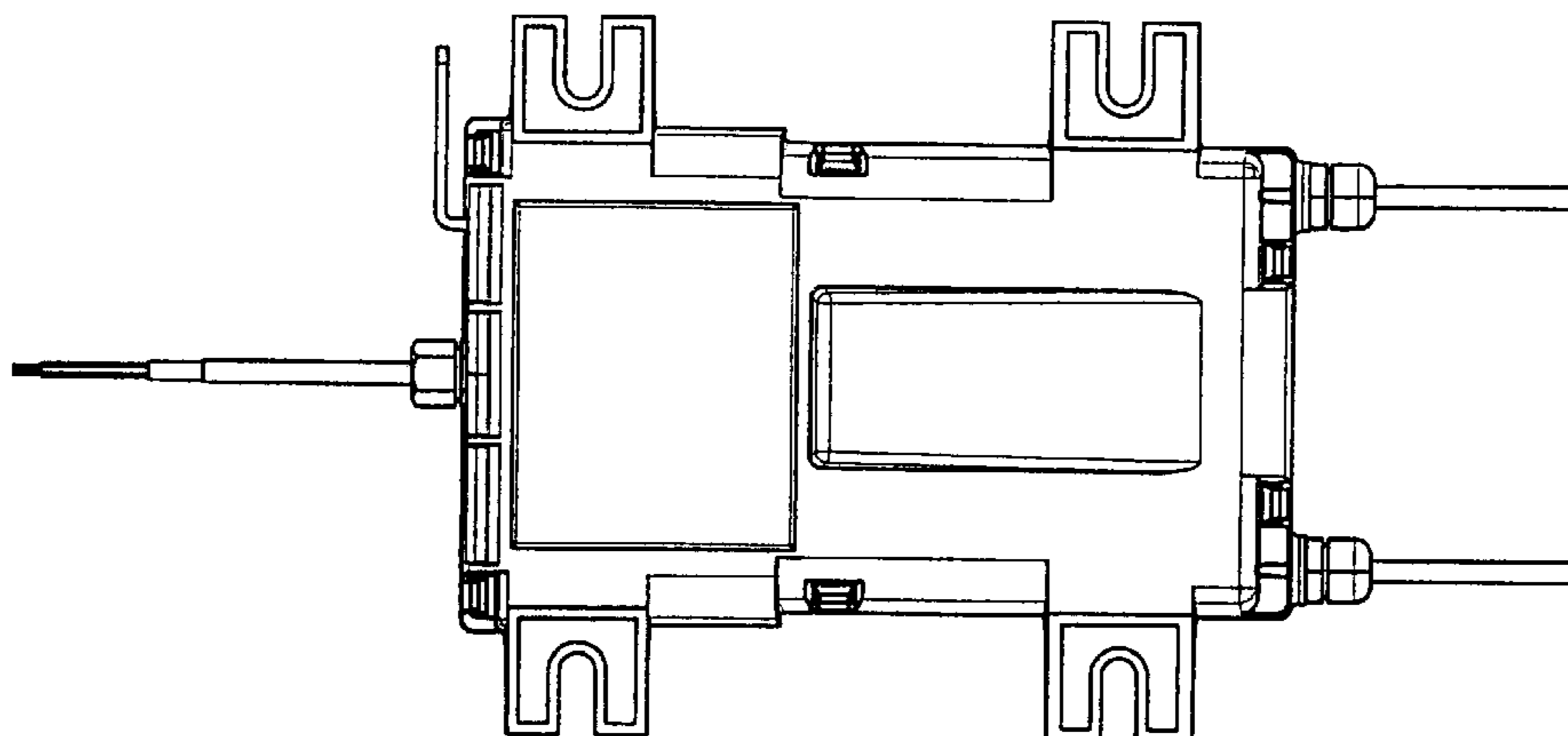


Fig. 19

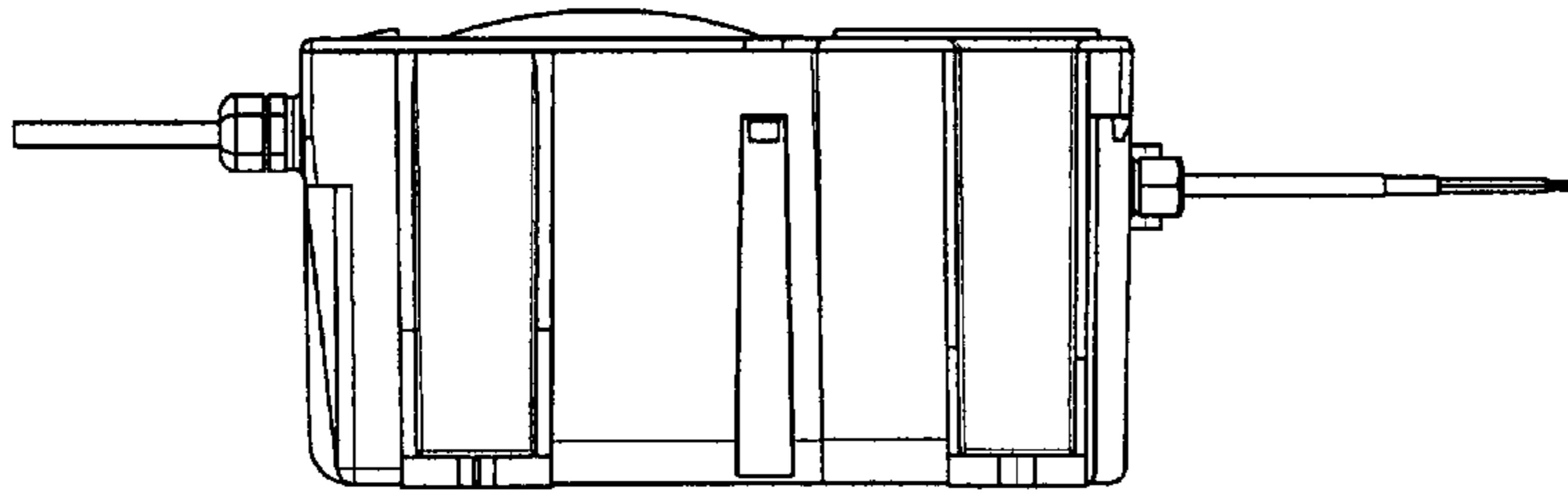


Fig. 20

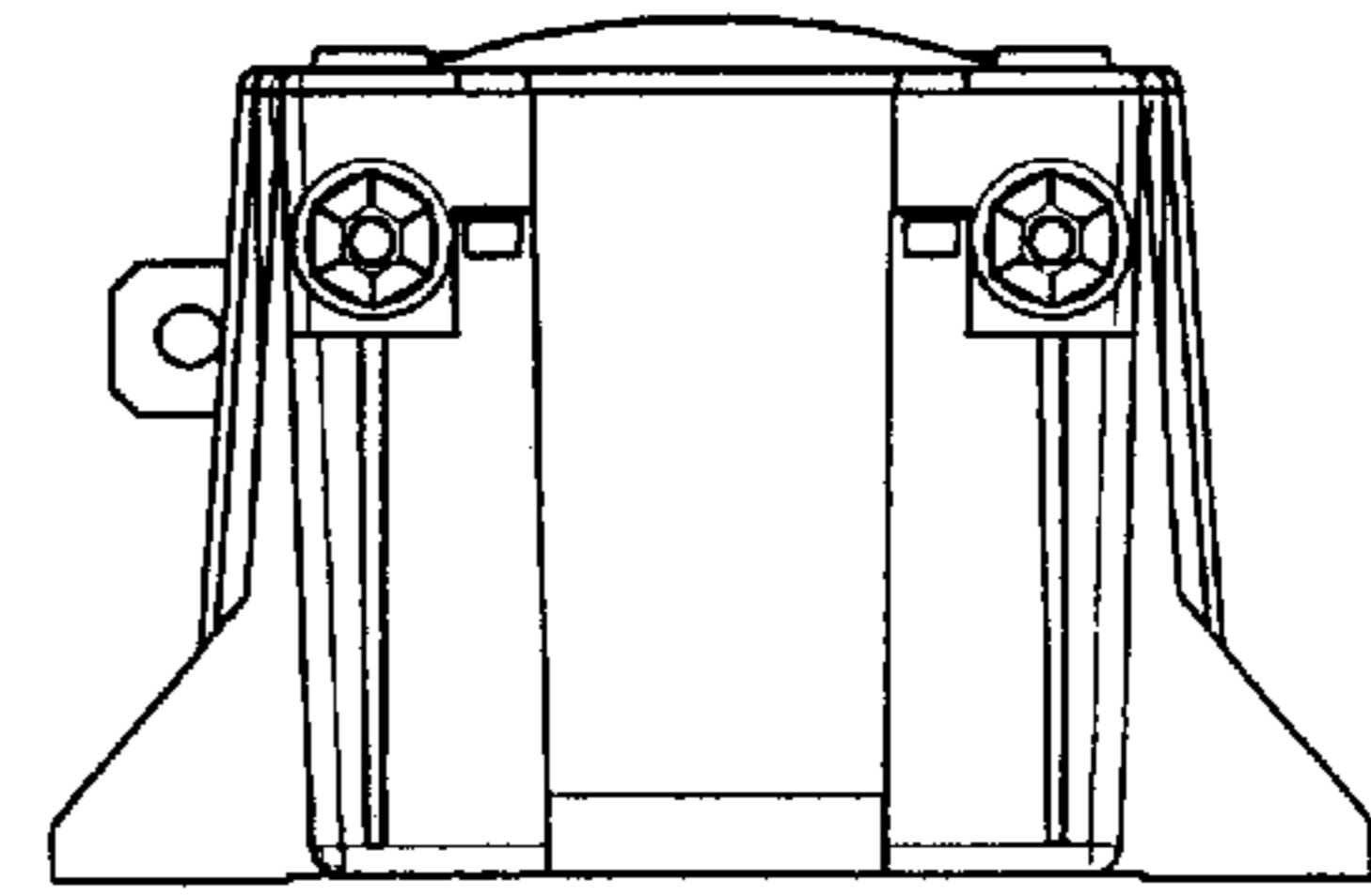


Fig. 21

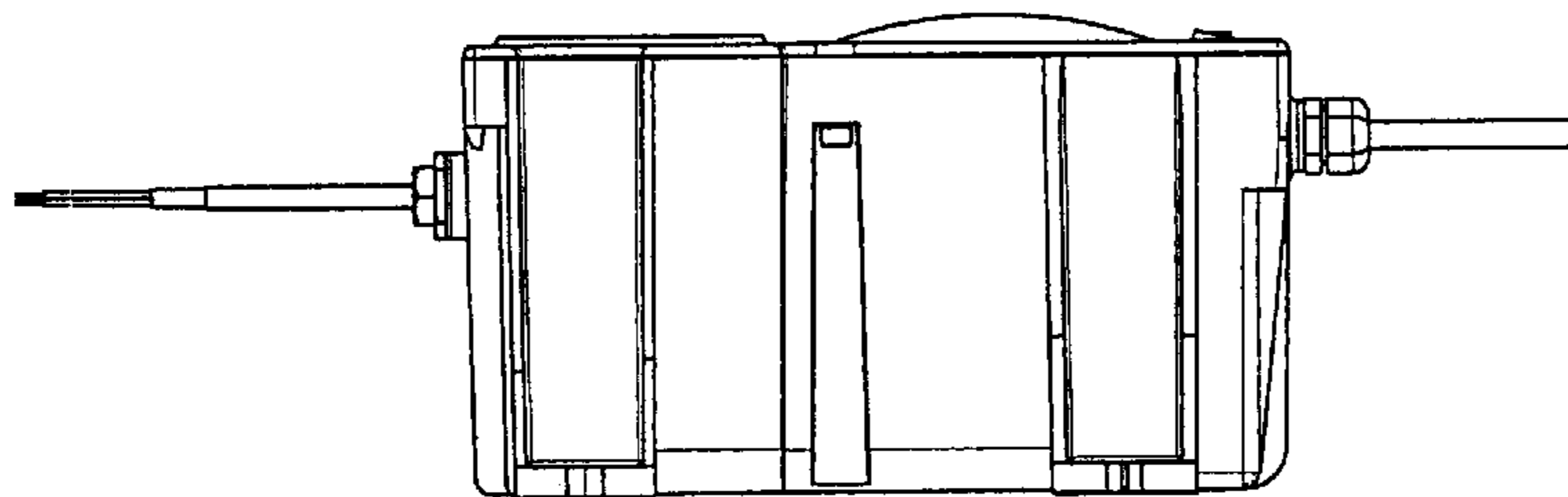


Fig. 22

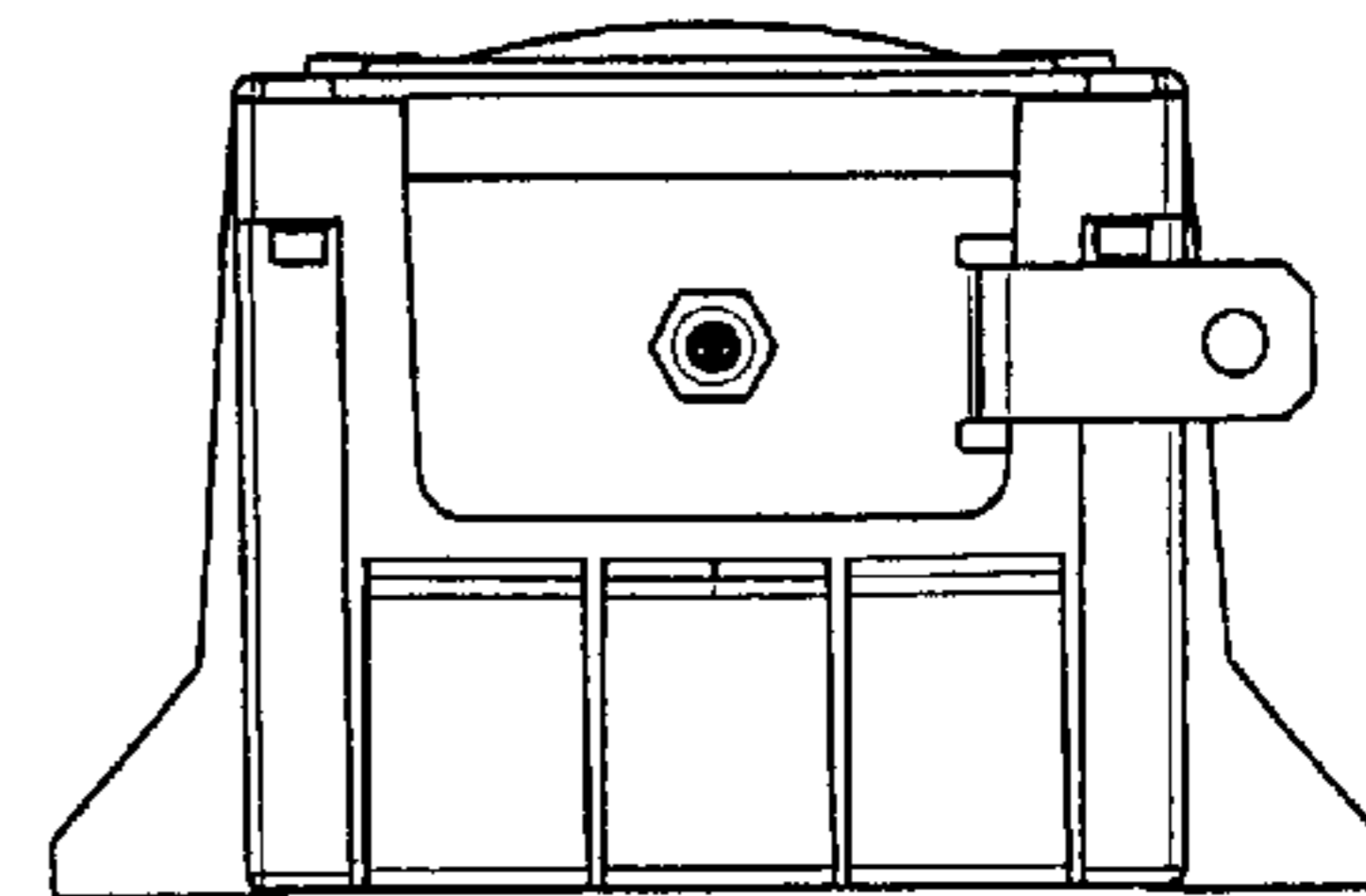


Fig. 23

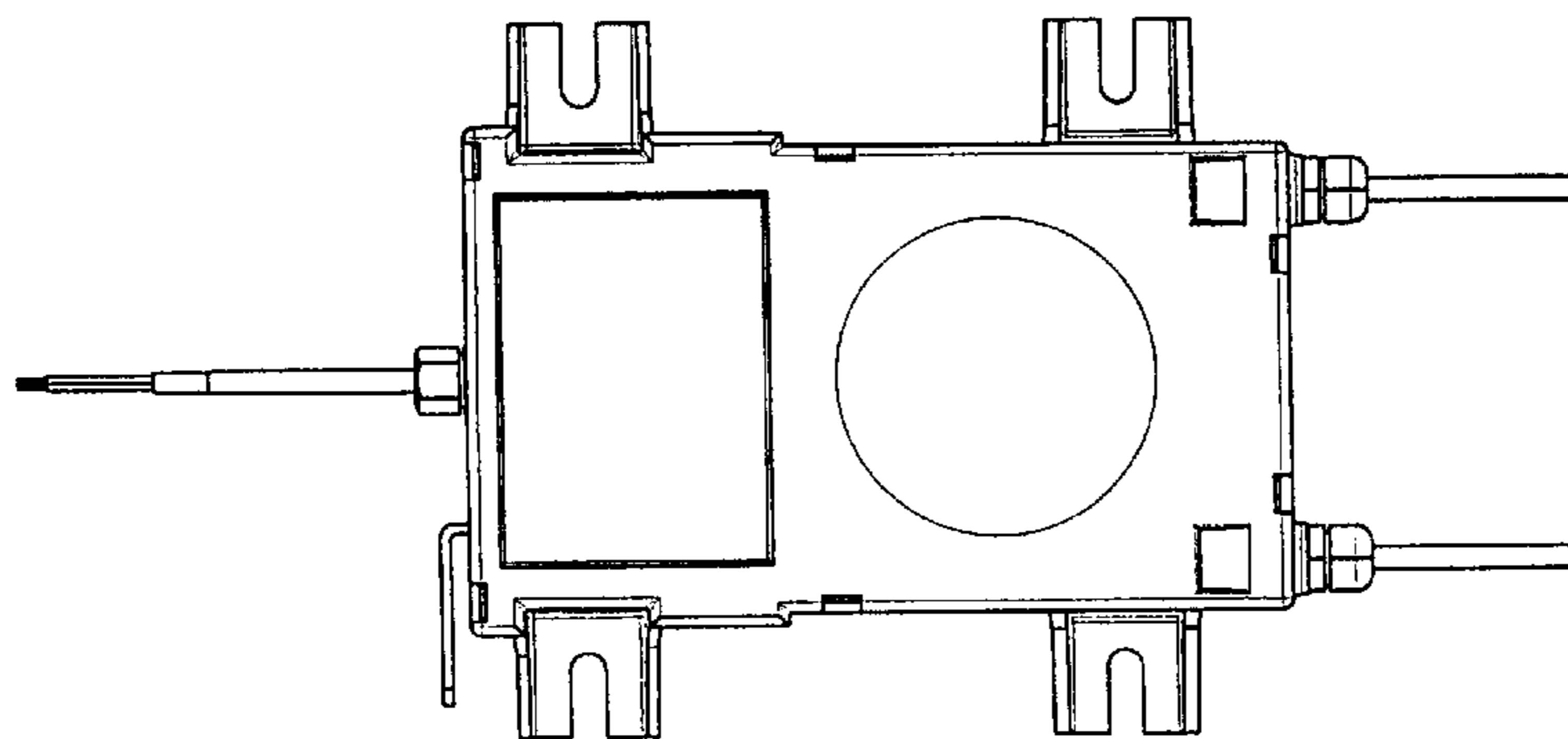


Fig. 24