



US00D692395S

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

(10) **Patent No.:** **US D692,395 S**
(45) **Date of Patent:** **** Oct. 29, 2013**

(54) **LIMIT SWITCH**

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(73) Assignee: **OMRON Corporation**, Kyoto (JP)

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

(21) Appl. No.: **29/408,235**

(22) Filed: **Dec. 8, 2011**

(30) **Foreign Application Priority Data**

Jun. 10, 2011	(JP)	.....	2011-013169
Jun. 10, 2011	(JP)	.....	2011-013170
Jun. 10, 2011	(JP)	.....	2011-013171
Jun. 10, 2011	(JP)	.....	2011-013172
Jun. 10, 2011	(JP)	.....	2011-013176
Jun. 10, 2011	(JP)	.....	2011-013177

(51) **LOC (9) Cl.** **09-03**

(52) **U.S. Cl.**
USPC **D13/158**

(58) **Field of Classification Search**
USPC D13/110, 133, 160, 158; 174/50, 66,
174/65 R, 67, 70 R, 77 R, 77 S, 92; 200/5 R,
200/43.11, 43.14, 50.01, 50.15, 293, 293.1,
200/303, 401; 335/68, 132, 202; 361/42,
361/44, 45, 50, 71, 115, 118, 119, 679;
439/578, 638, 675, 687, 696, 825, 842,
439/844, 620

See application file for complete search history.

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Omron Catalog of limit switches (Oct. 2011).

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Primary Examiner — Thomas Johannes

(74) *Attorney, Agent, or Firm* — Harness, Dickey & Pierce,
P.L.C.

(57) **CLAIM**

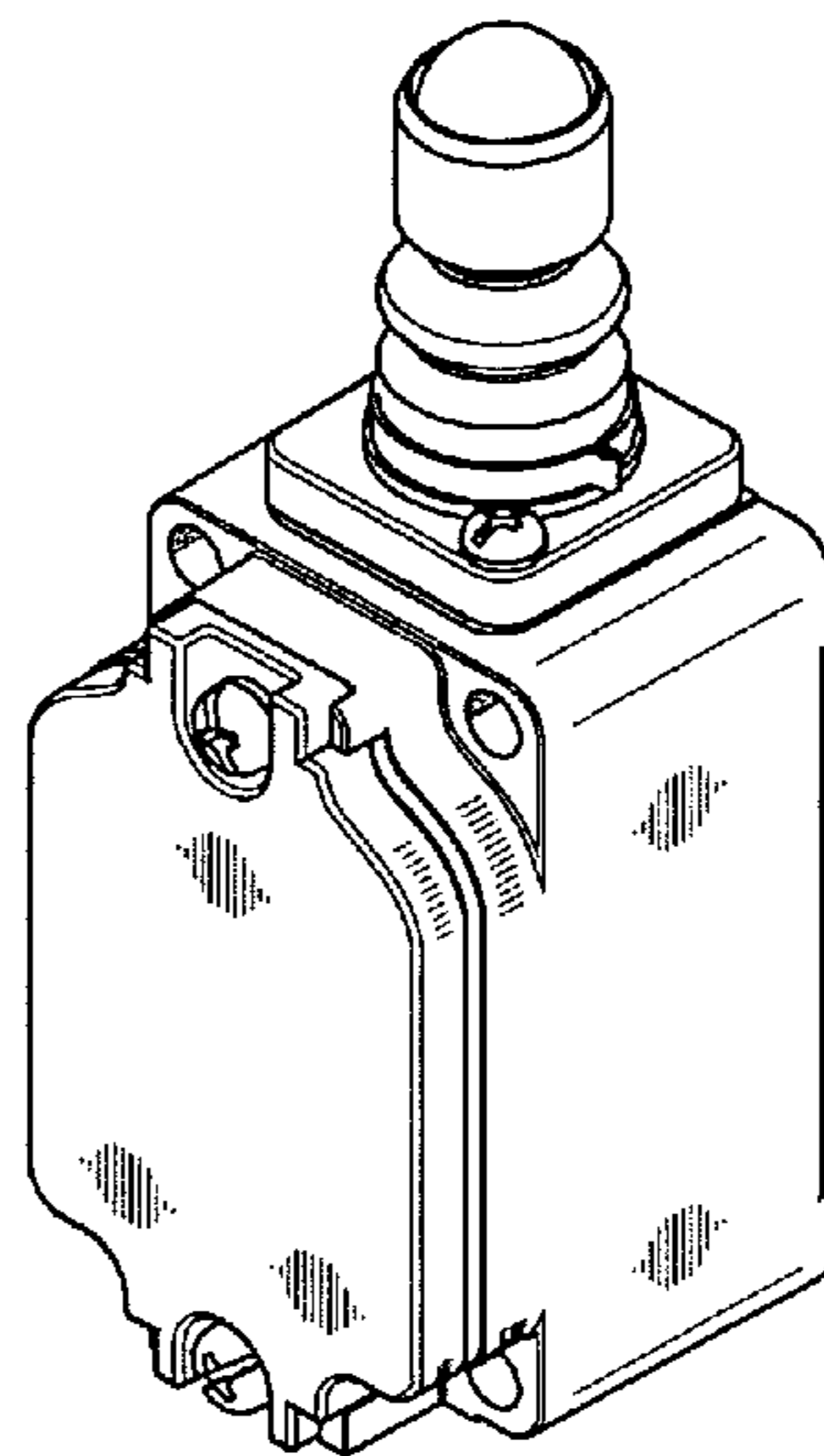
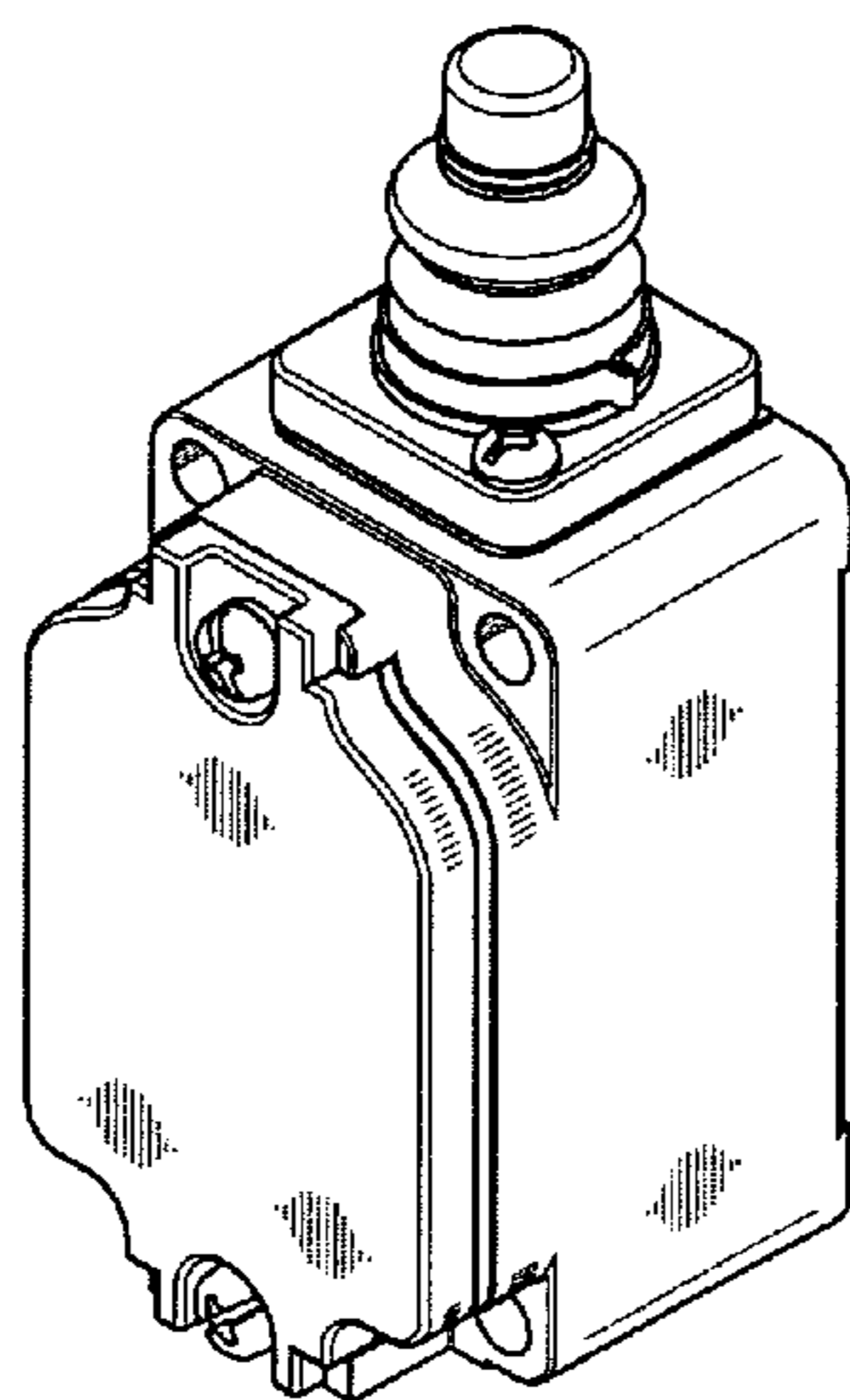
The ornamental design for a limit switch, as shown and described.

DESCRIPTION

FIG. 1 is a top, front and right side perspective view of a limit switch showing a first embodiment of our new design; FIG. 2 is a bottom, rear and left side perspective view thereof; FIG. 3 is a front elevation view thereof; FIG. 4 is a rear elevation view thereof; FIG. 5 is a left side view thereof; FIG. 6 is a right side view thereof; FIG. 7 is a top plan view thereof; FIG. 8 is a bottom plan view thereof; FIG. 9 is a top, front and right side perspective view of a limit switch showing a second embodiment of our new design; FIG. 10 is a bottom, rear and left side perspective view thereof; FIG. 11 is a front elevation view thereof; FIG. 12 is a rear elevation view thereof; FIG. 13 is a left side view thereof; FIG. 14 is a right side view thereof; FIG. 15 is a top plan view thereof; and, FIG. 16 is a bottom plan view thereof.

The broken line portion of the figure drawings is included to show unclaimed subject matter only and forms no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

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Moujen product information of limit switches <http://www.moujenswitch.com/products.php?cPath=596> (published at least as early as Dec. 8, 2011).

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Fig. 1

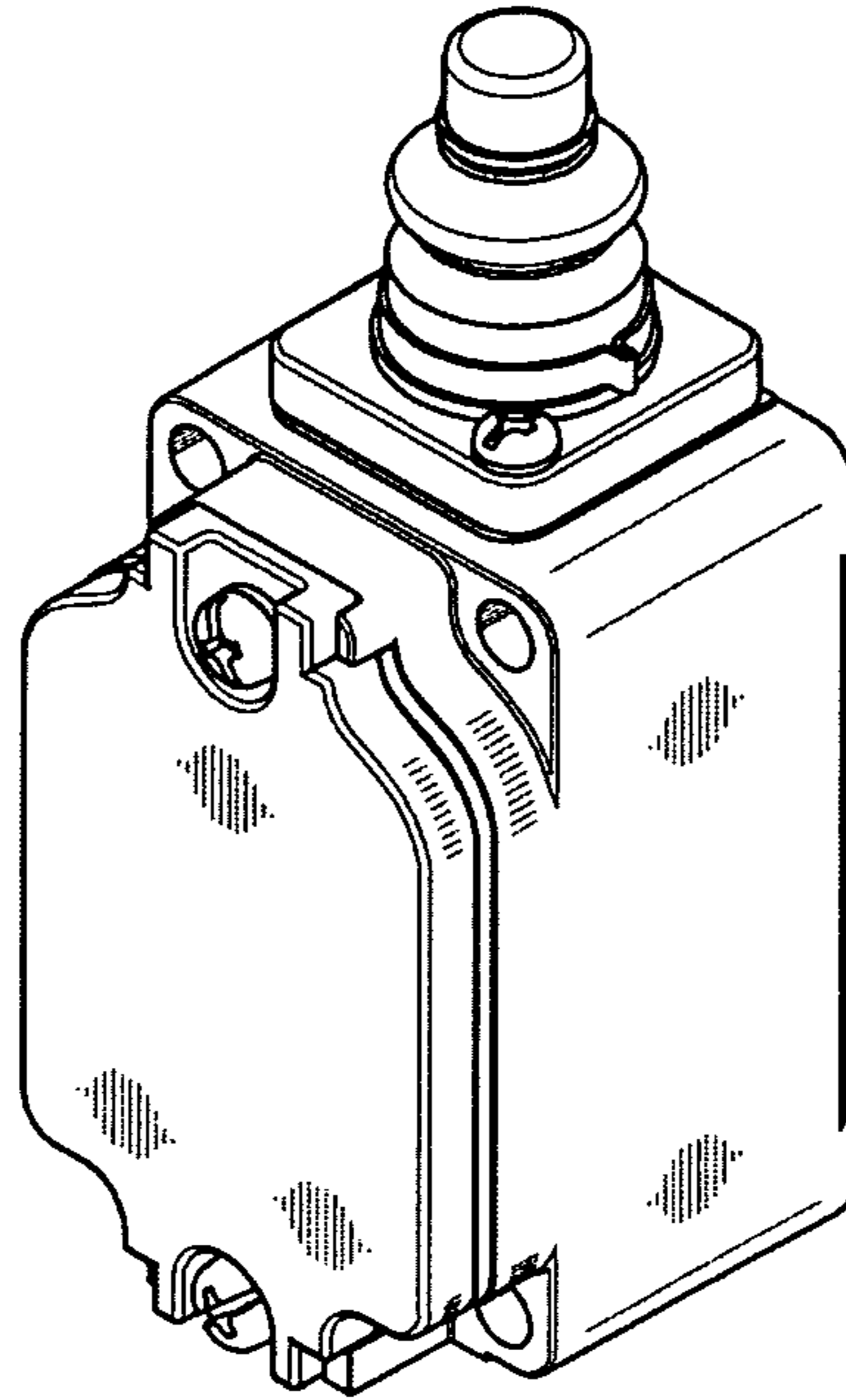


Fig. 2

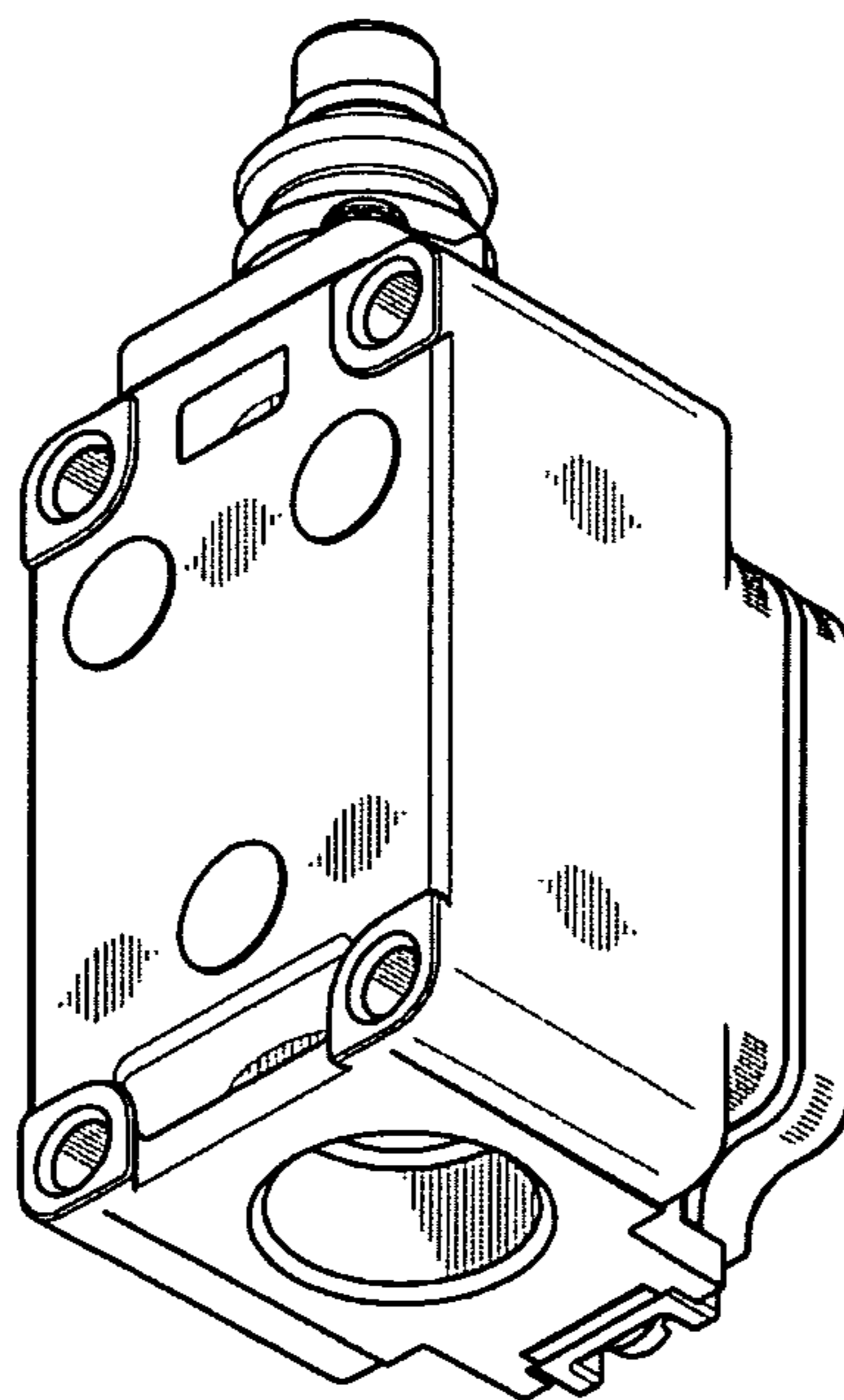


Fig. 3

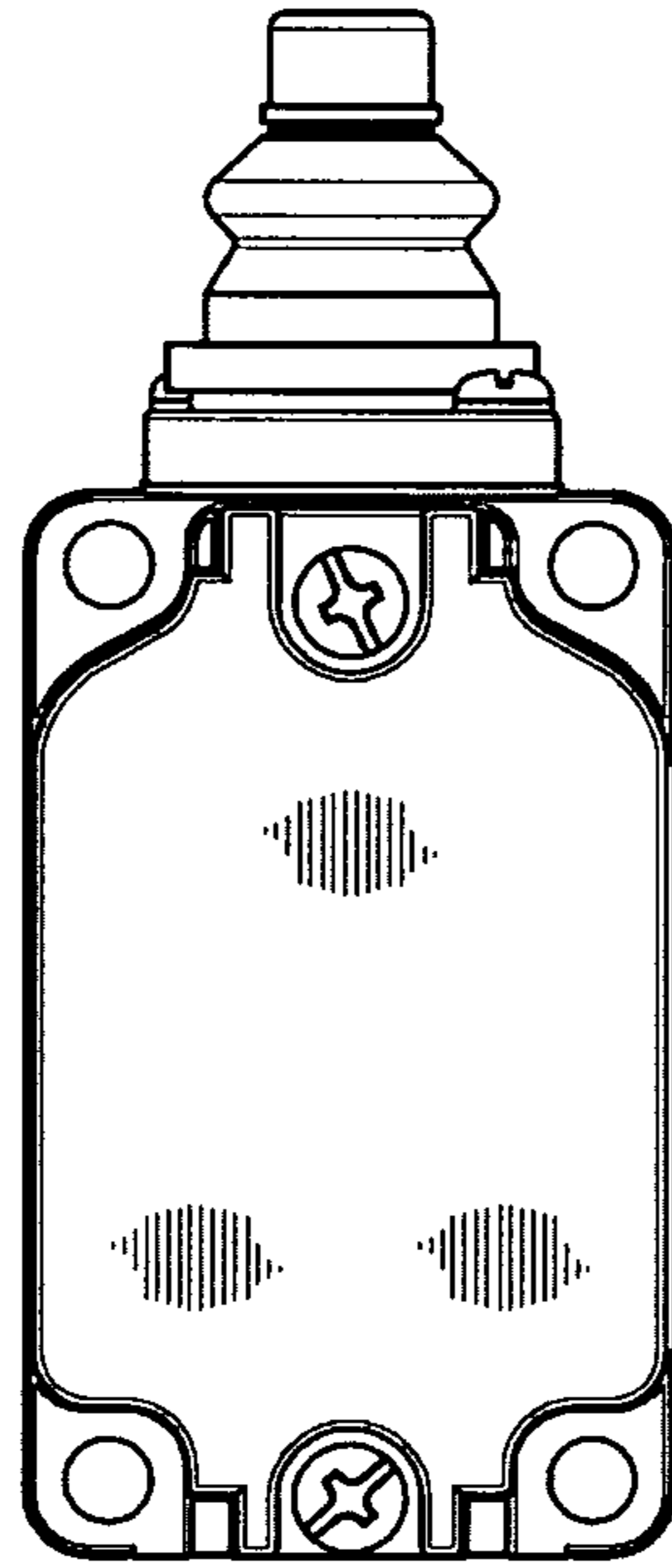


Fig. 4

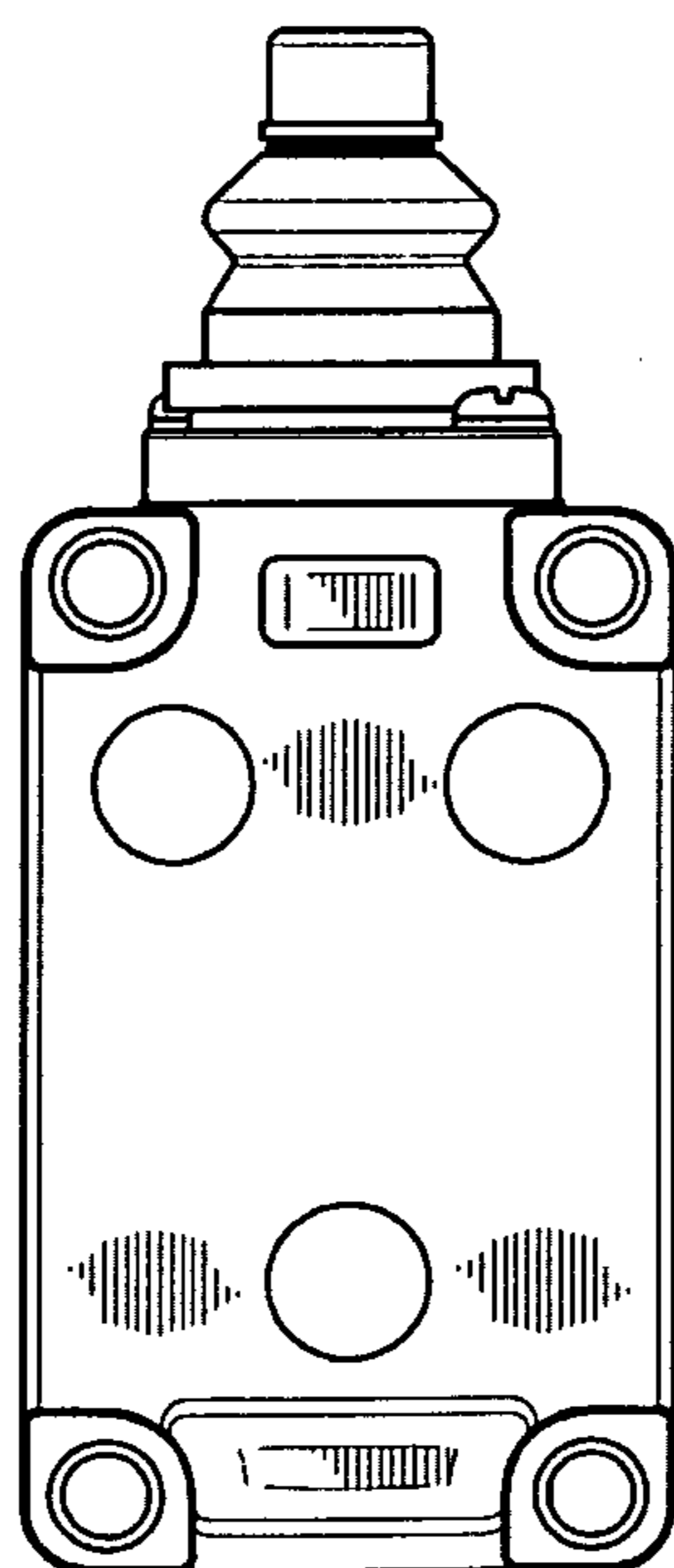


Fig. 5

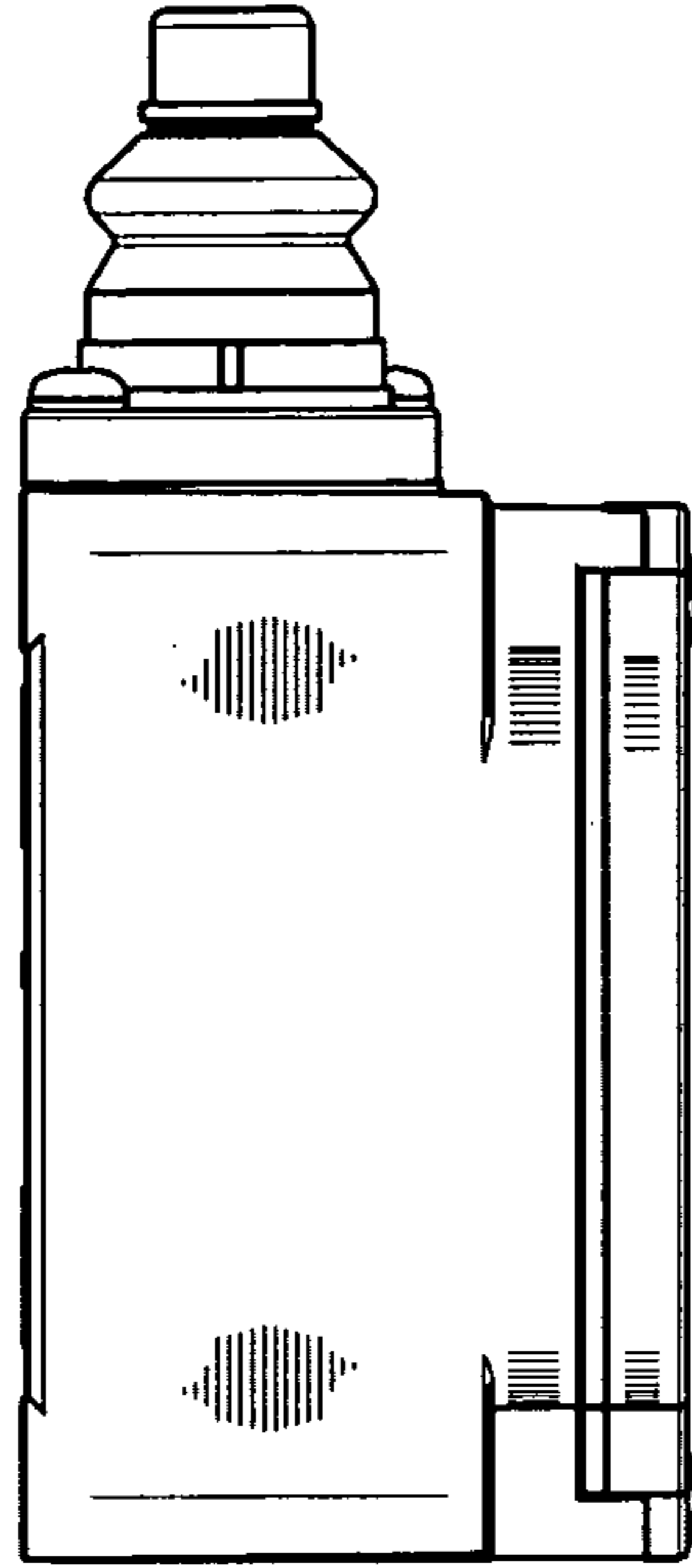


Fig. 6

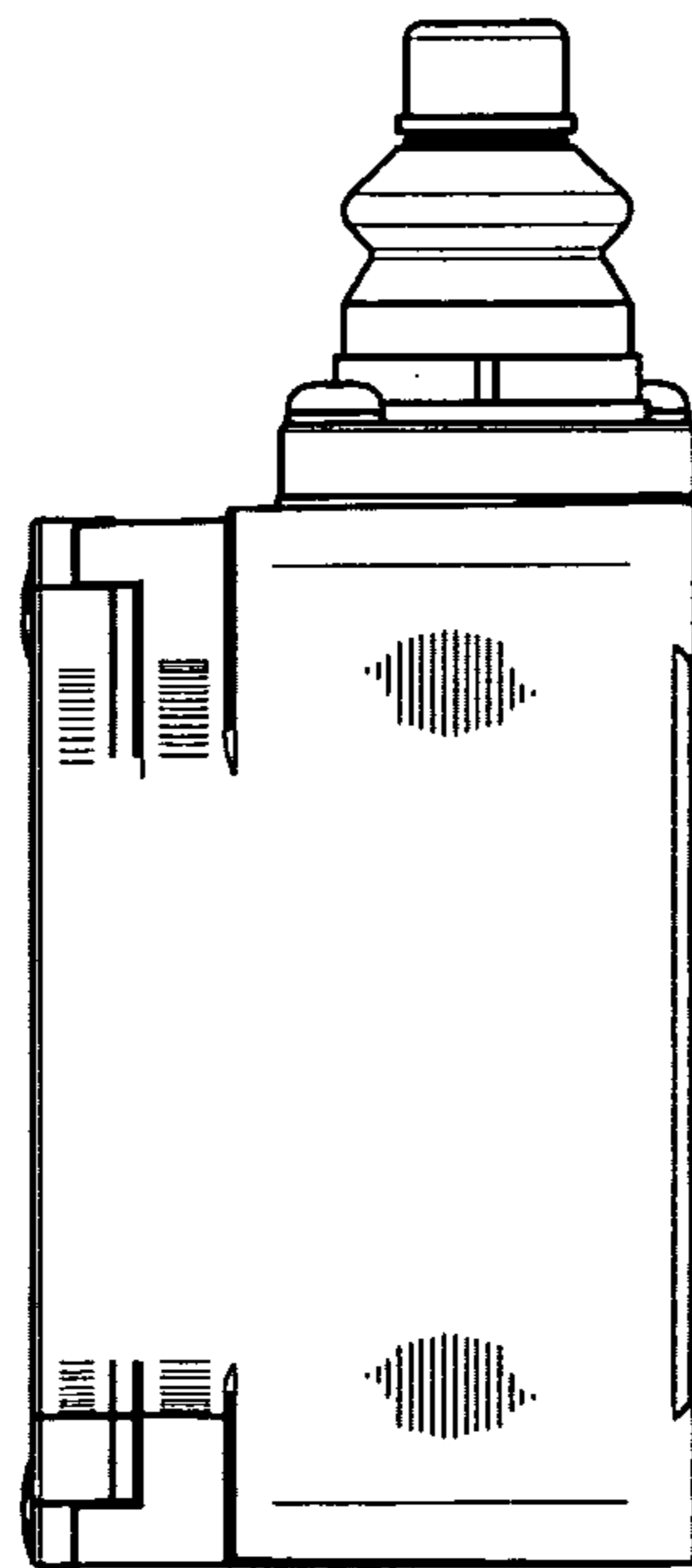


Fig. 7

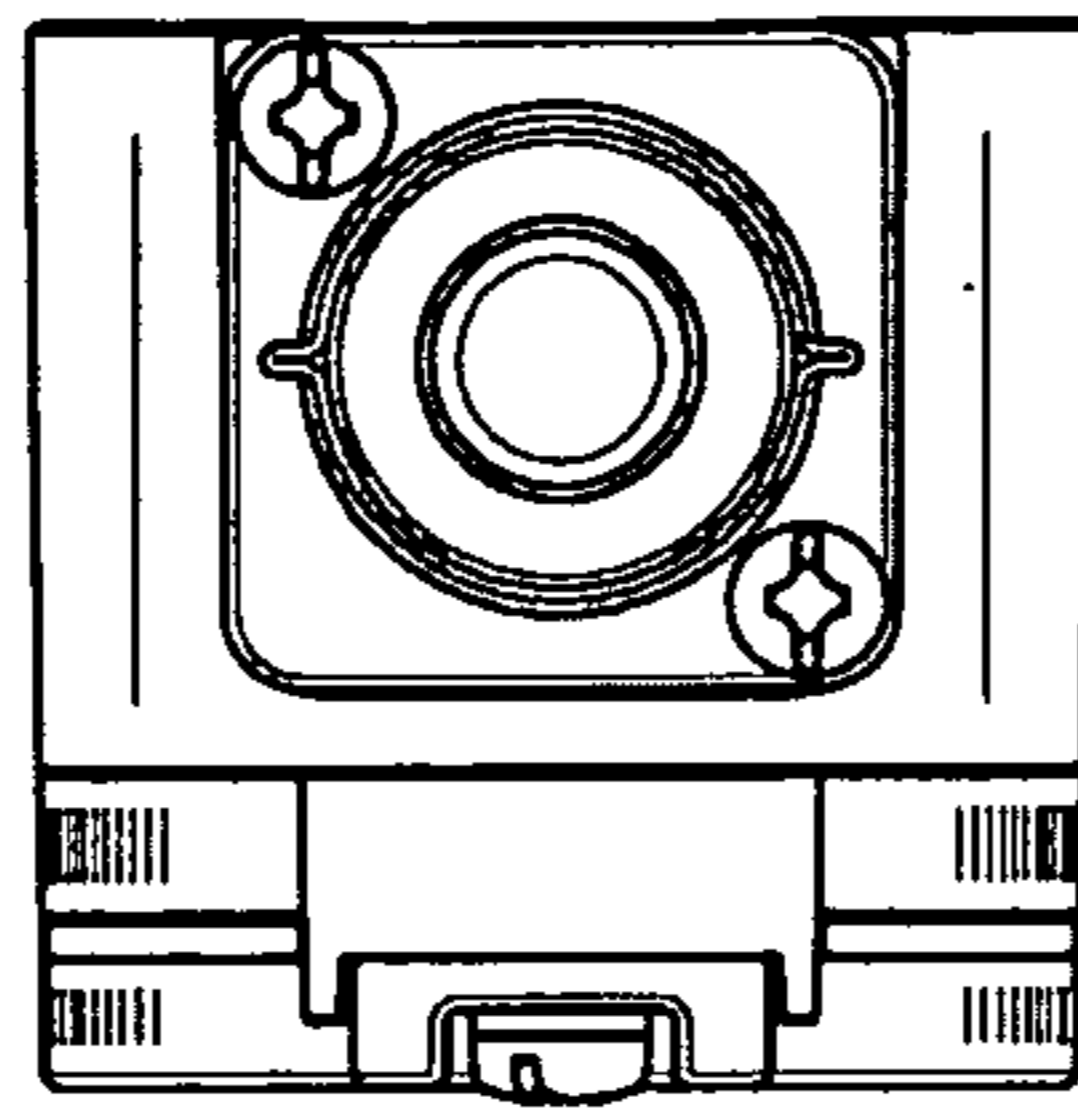


Fig. 8

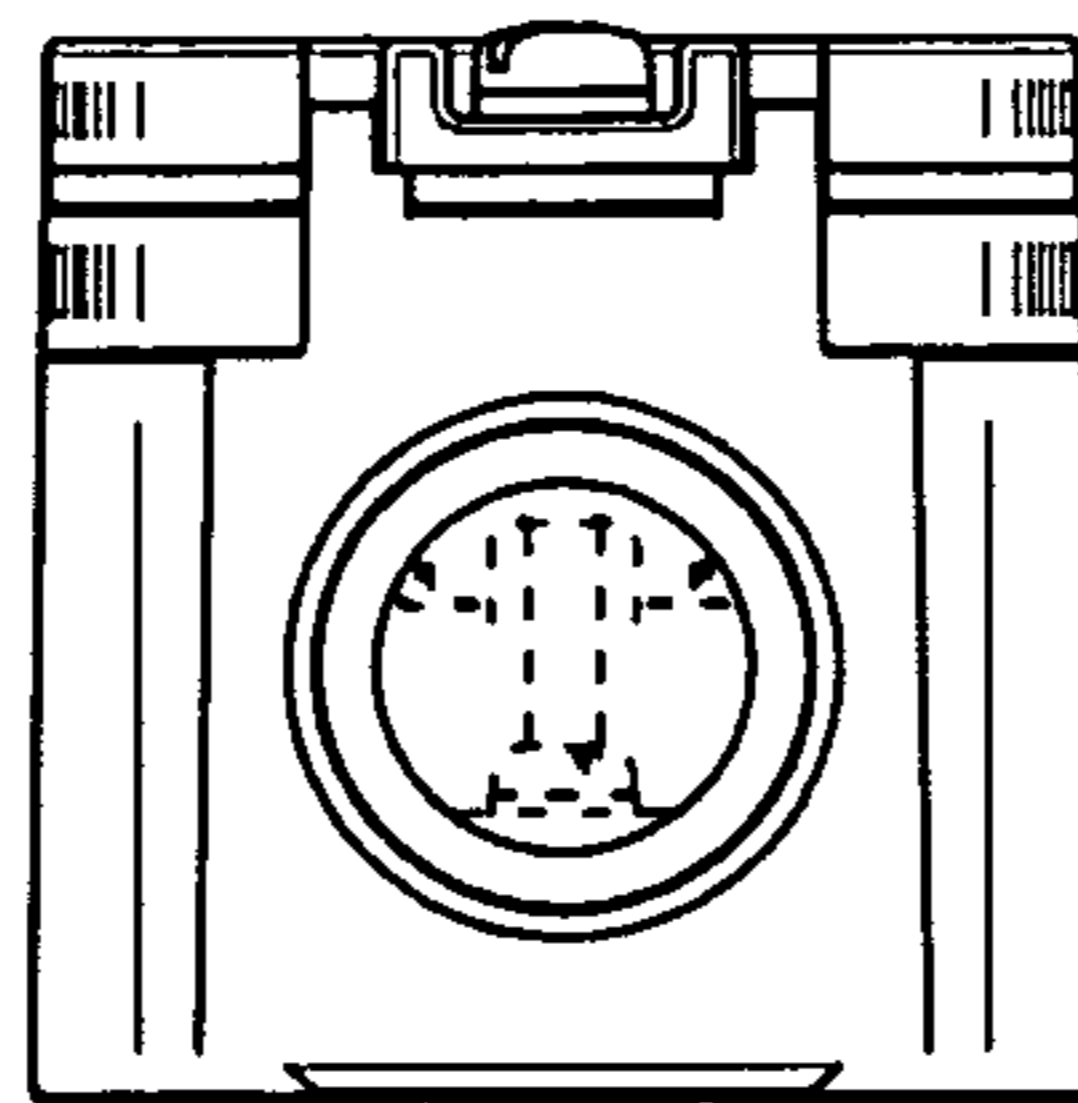


Fig. 9

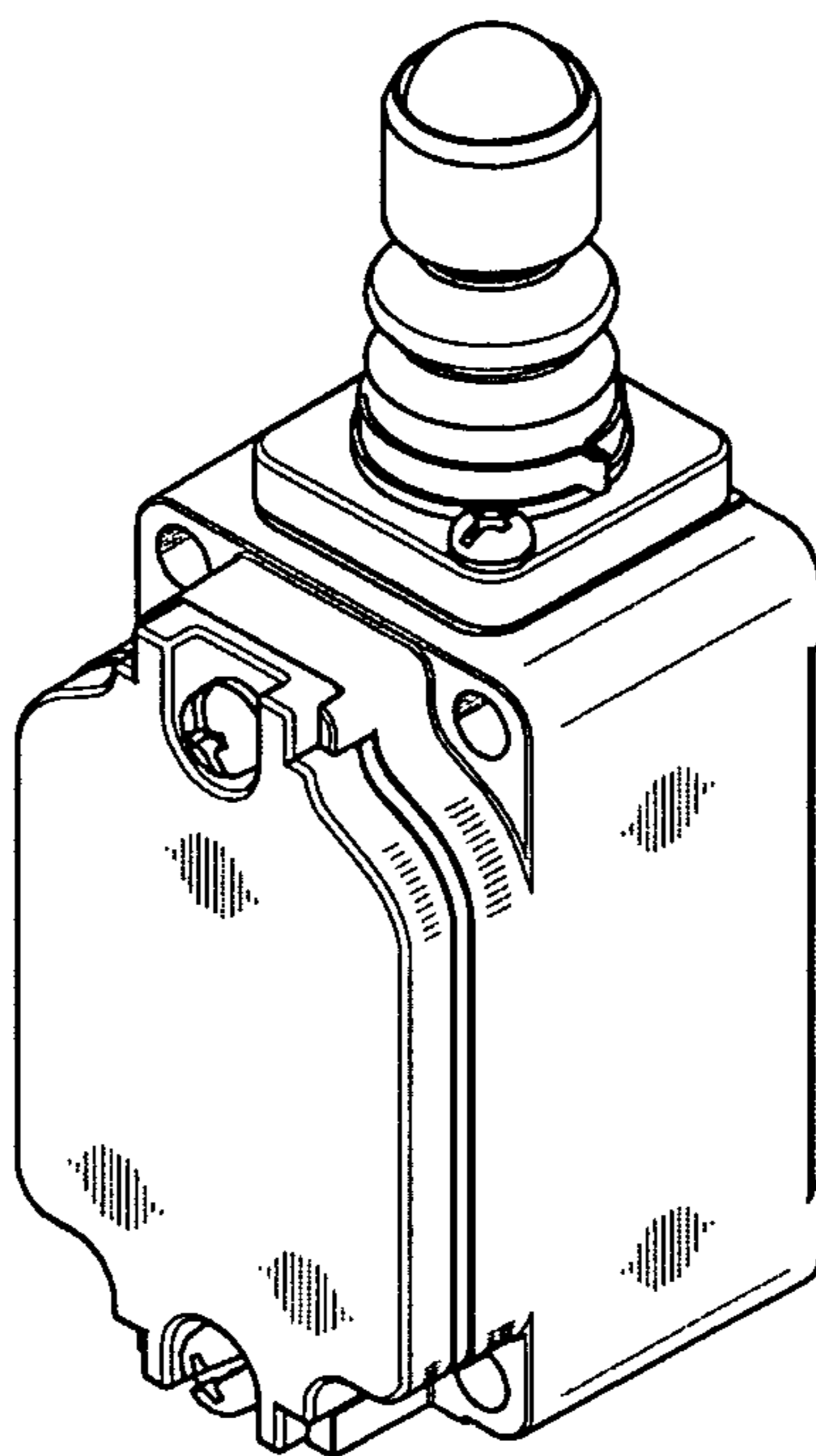


Fig. 10

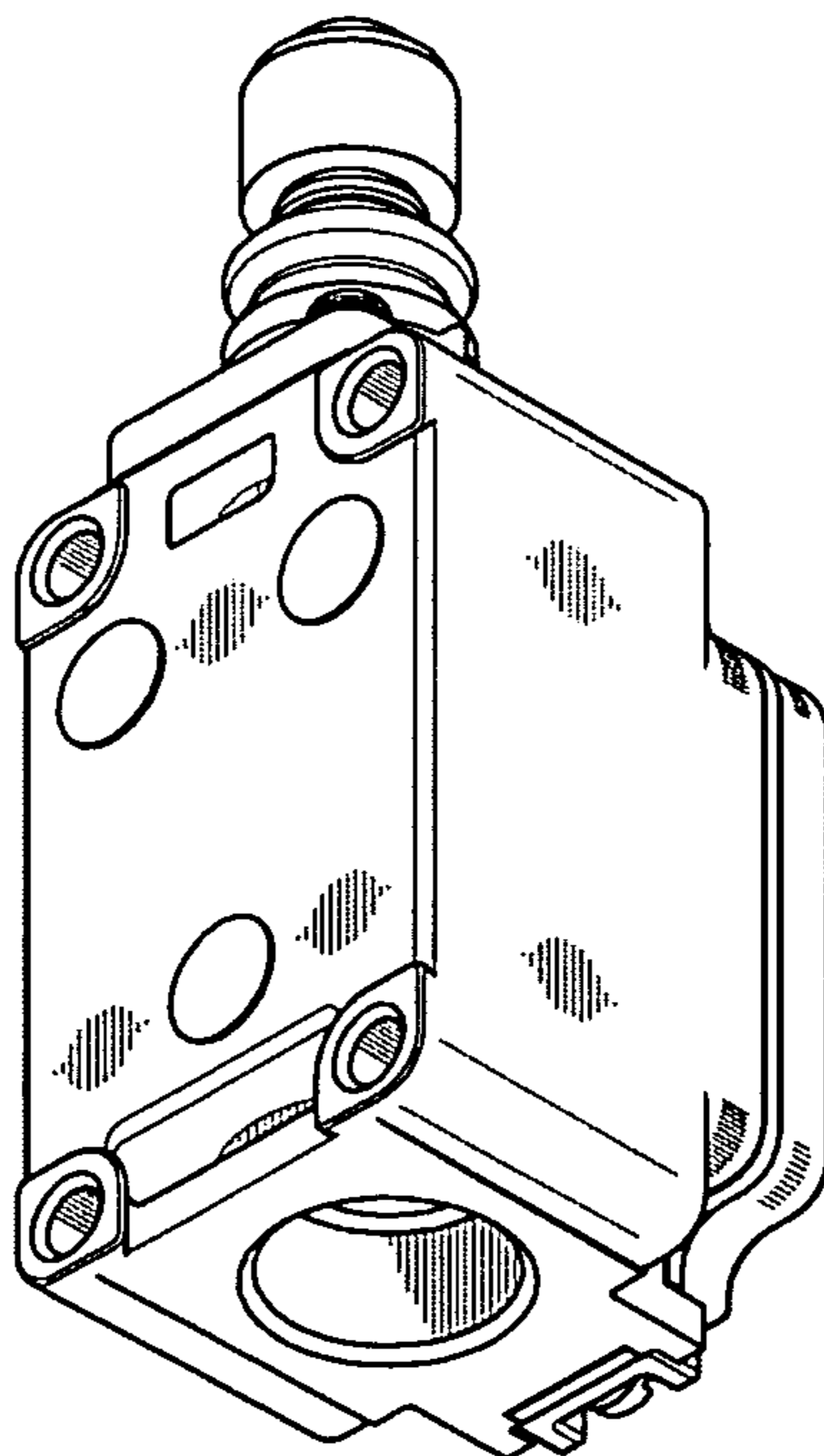


Fig. 11

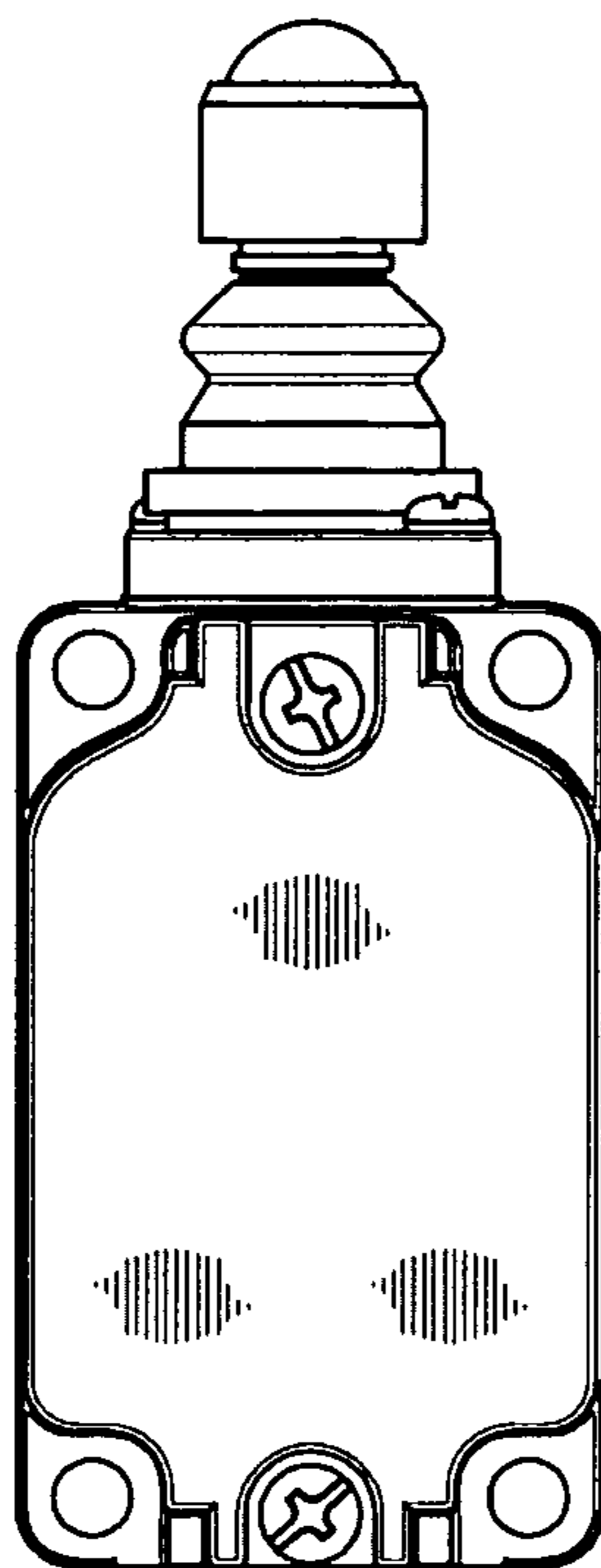


Fig. 12

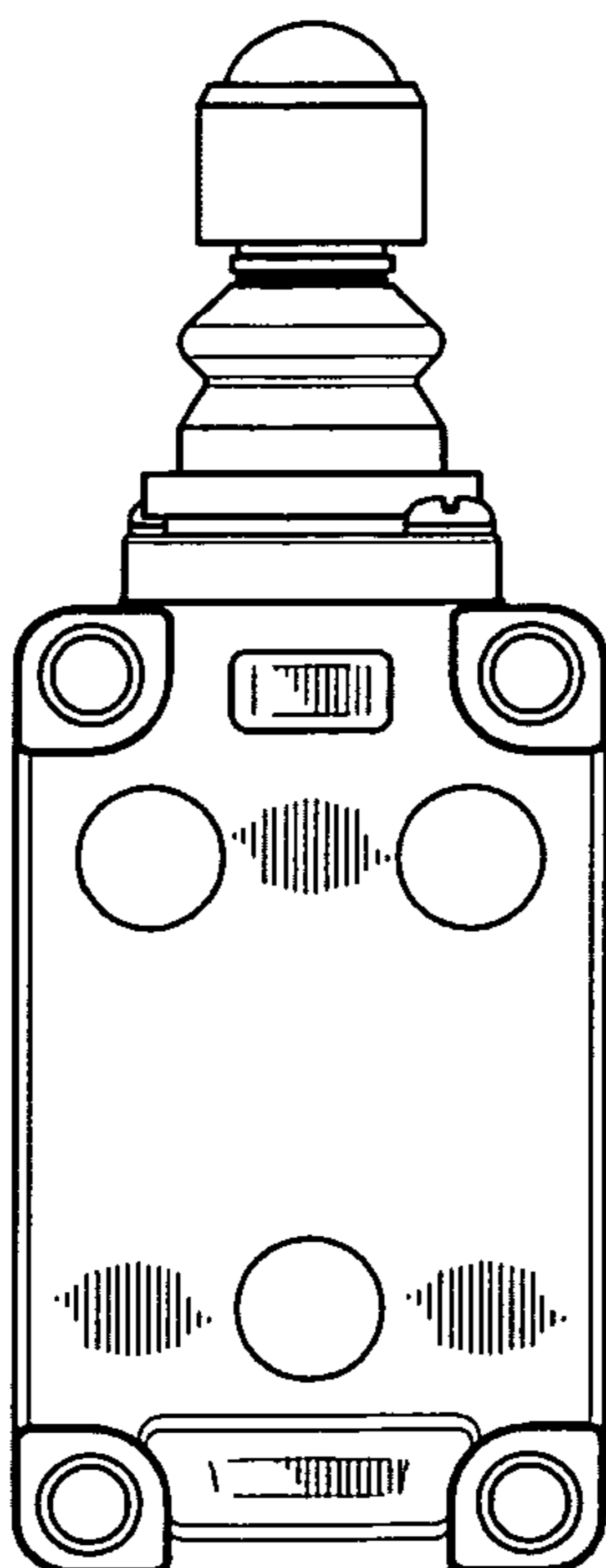


Fig. 13

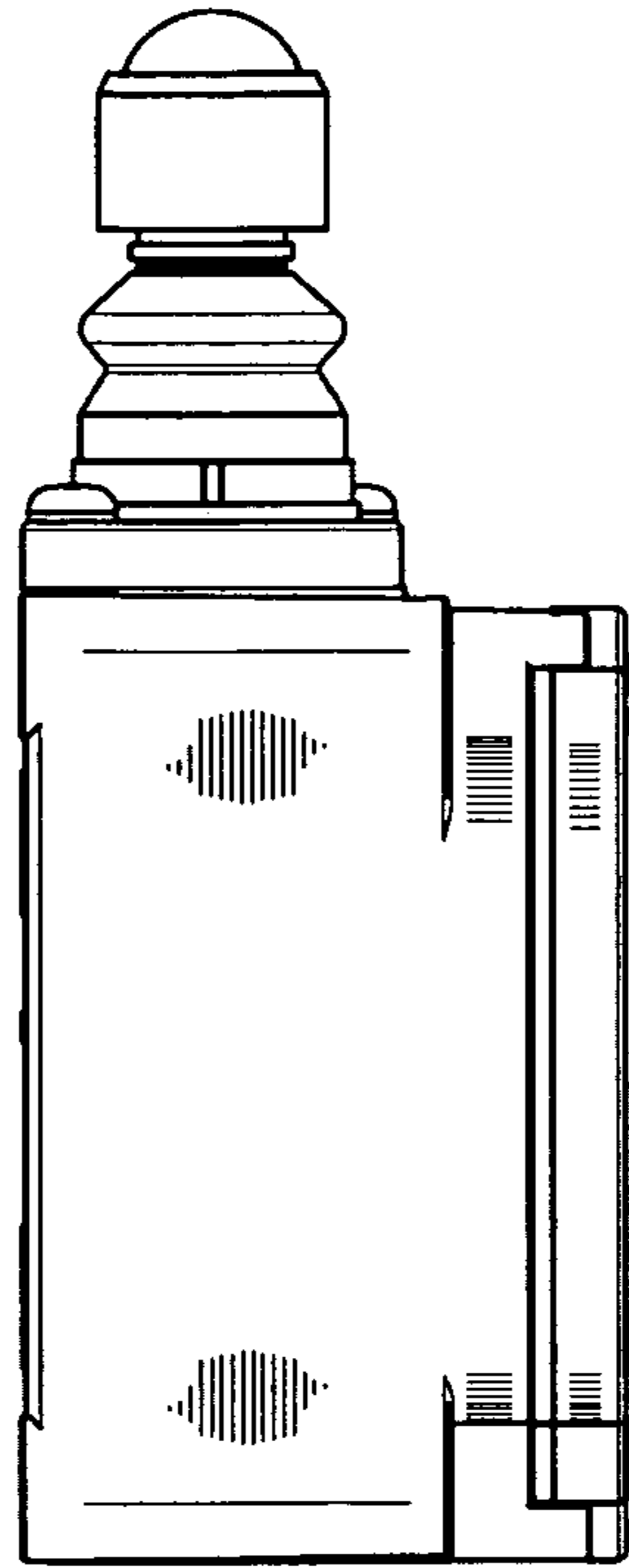


Fig. 14

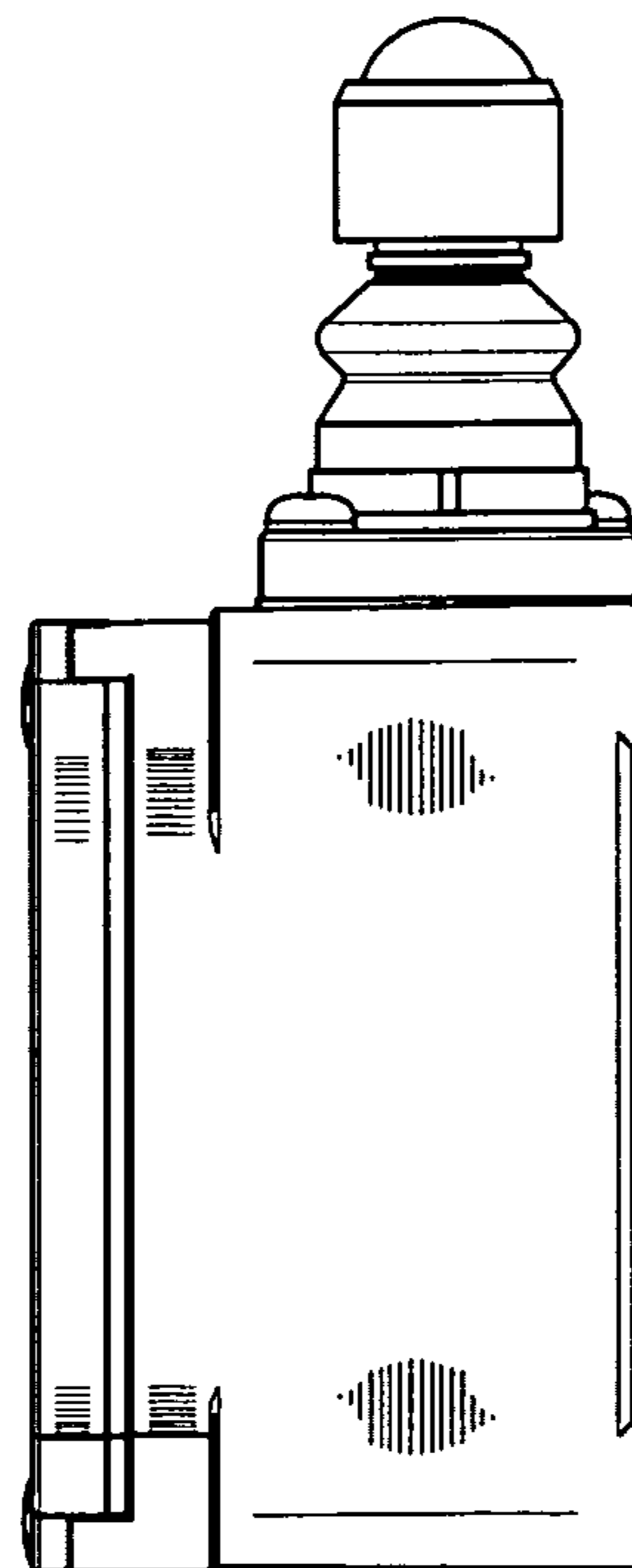


Fig. 15

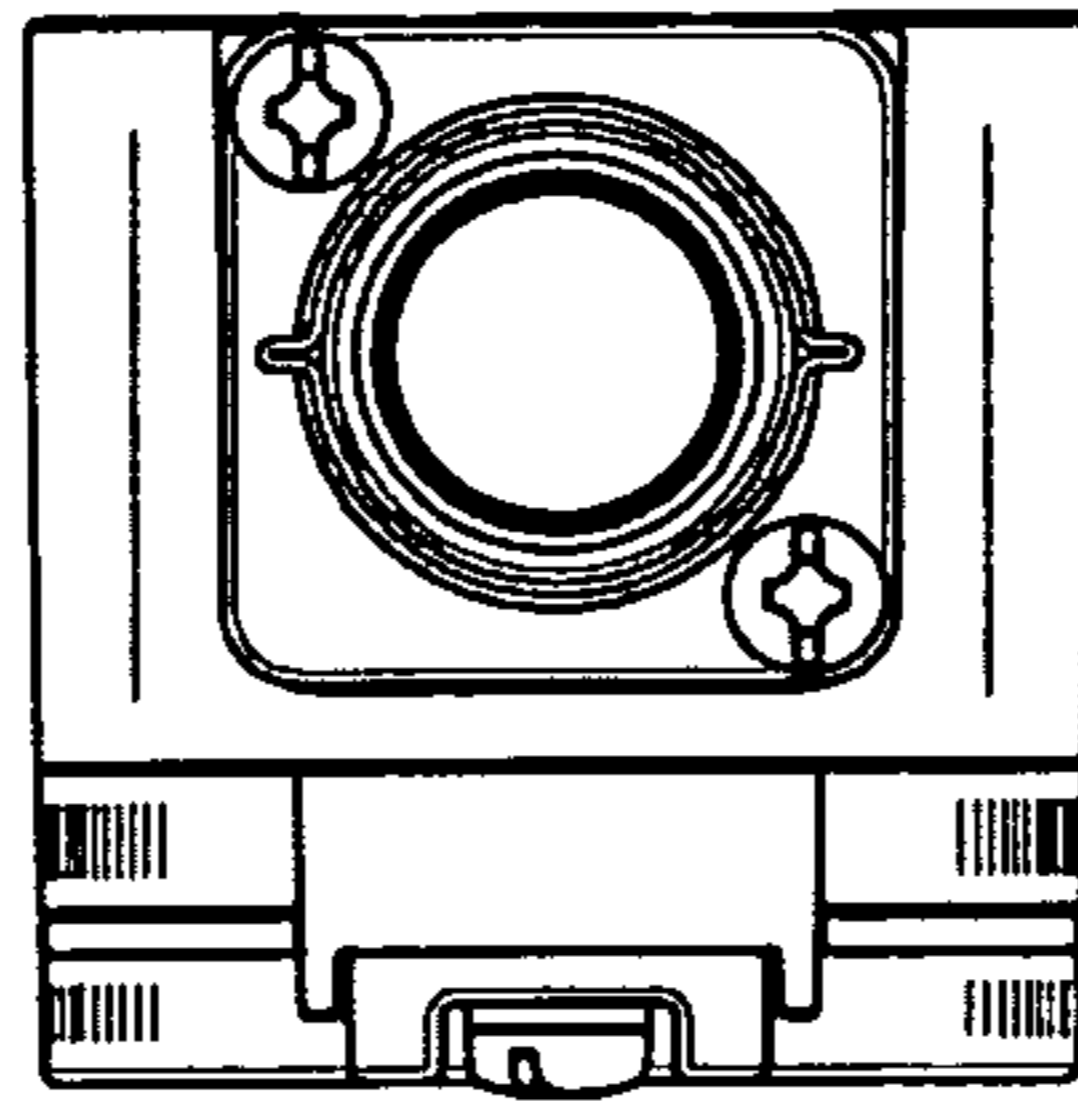


Fig. 16

