



US00D442259S

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

(10) **Patent No.:** **US D442,259 S**

(45) **Date of Patent:** **** May 15, 2001**

(54) **PILOT VALVE FOR SOLENOID VALVE**

5,893,394 * 4/1999 Melocke 137/884
5,944,056 * 8/1999 Miyazoe et al. 137/625.64

(75) Inventors: **Hideyuki Takada; Masanori Kaizuka;**
Hideaki Tanaka, all of Tsukuba-gun
(JP)

* cited by examiner

Primary Examiner—Robin V. Taylor

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

(74) *Attorney, Agent, or Firm*—Oblon, Spivak, McClelland,
Maier & Neustadt, P.C.

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

(57) **CLAIM**

(21) Appl. No.: **29/121,829**

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

(22) Filed: **Apr. 14, 2000**

DESCRIPTION

(30) **Foreign Application Priority Data**

Oct. 14, 1999 (JP) 11-28127

FIG. 1 is a top and right front perspective view of a pilot
valve for solenoid valve, showing our design;

(51) **LOC (7) Cl.** **23-01**

FIG. 2 is a front elevational view thereof;

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

FIG. 3 is a right side elevational view thereof, the left side
view being a mirror image of the side view shown;

(58) **Field of Search** D23/233-6, 244-5;
137/884, 625.64

FIG. 4 is a top plan view thereof;

FIG. 5 is a bottom plan view thereof;

(56) **References Cited**

U.S. PATENT DOCUMENTS

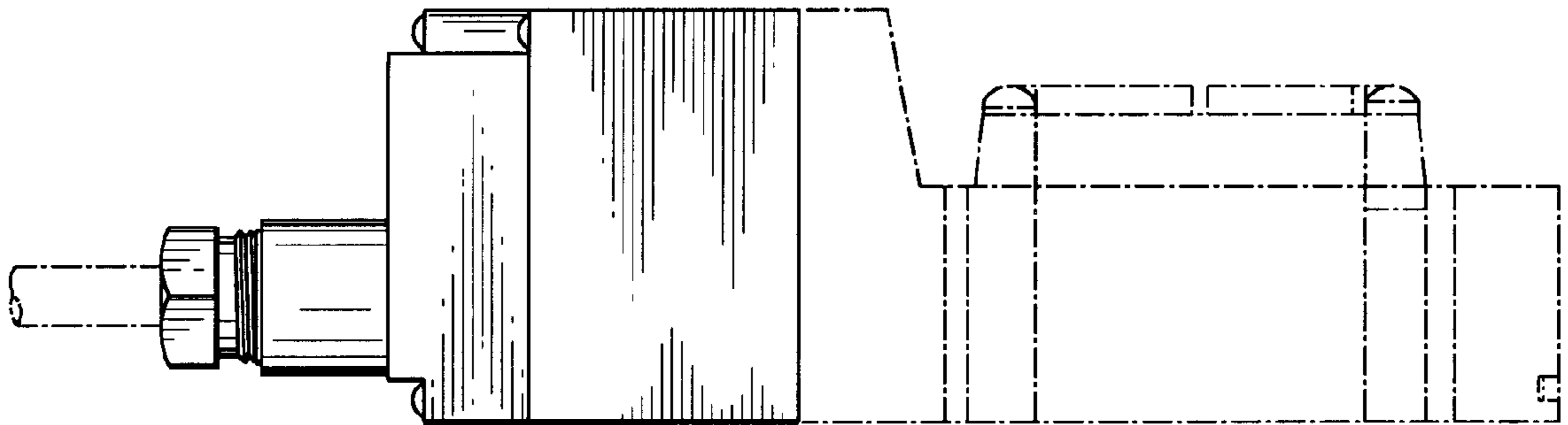
- D. 417,485 * 12/1999 Sato et al. D23/233
- D. 419,648 * 1/2000 Hiramatsu et al. D23/233
- D. 430,268 * 8/2000 Hiramatsu et al. D23/233
- 5,603,355 * 2/1997 Miyazoe et al. 137/625.64

FIG. 6 is a rear elevational view thereof; and,

FIG. 7 is a left side elevational view thereof when in use
with a main valve and a lead wire.

The main valve and lead wire shown in FIG. 7 are shown in
broken lines for illustrated purposes only and form no part
of the claimed invention.

1 Claim, 2 Drawing Sheets



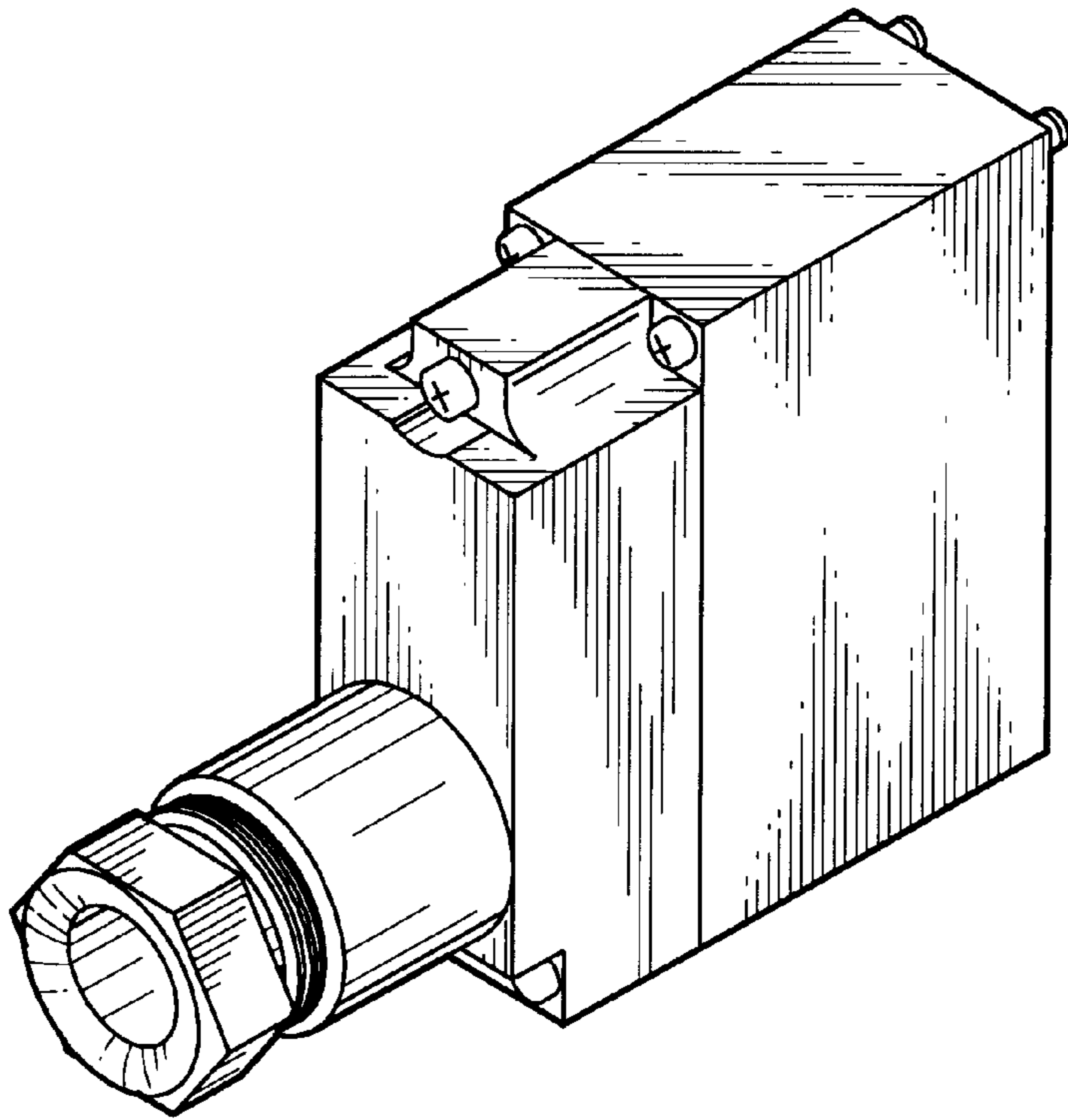


FIG. 1

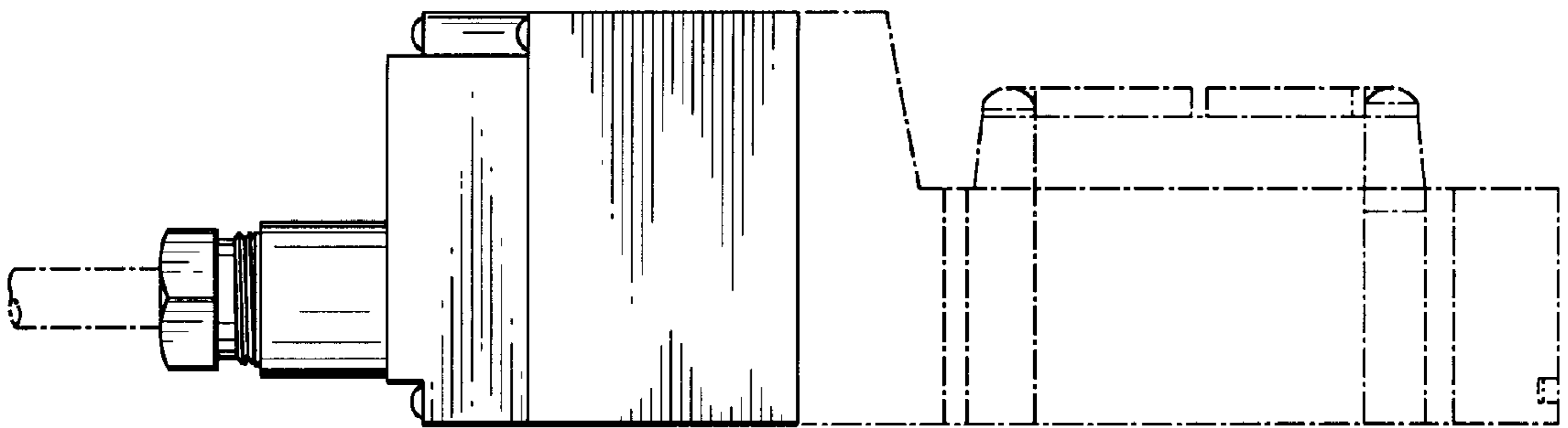


FIG. 7

FIG. 2

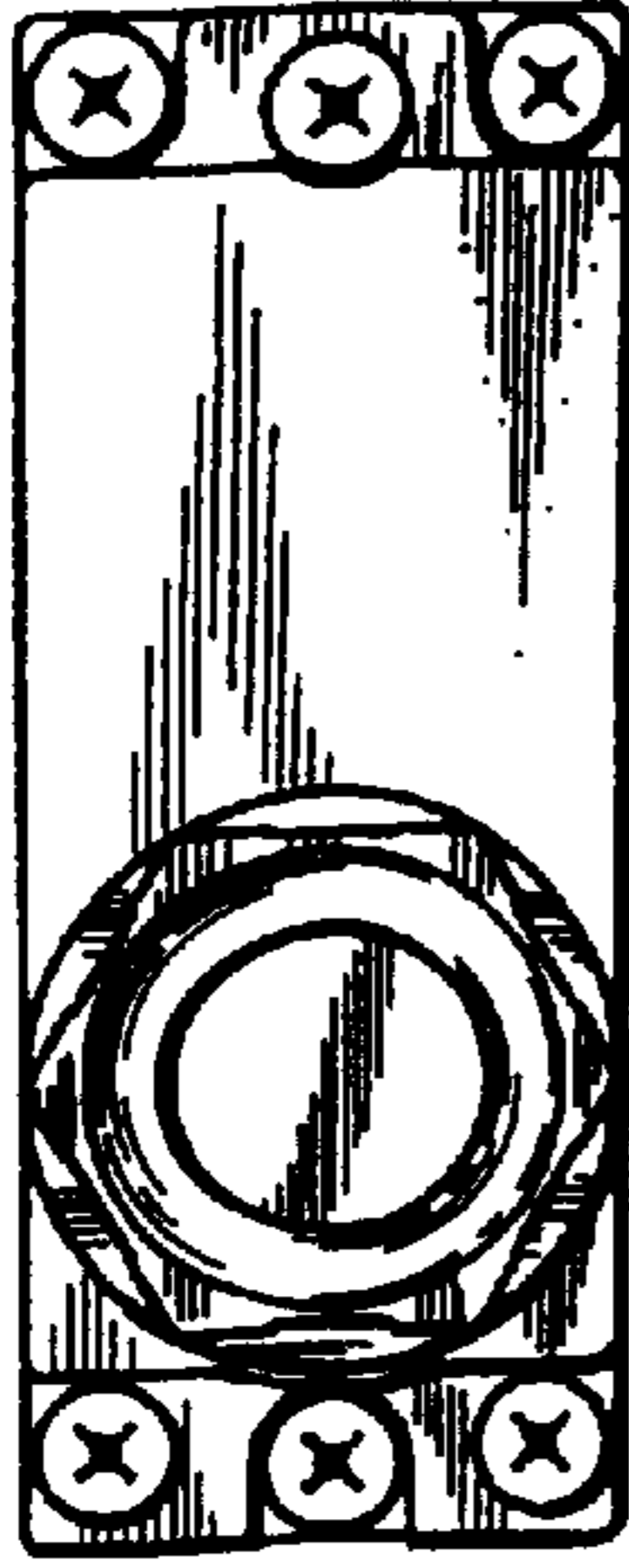


FIG. 3

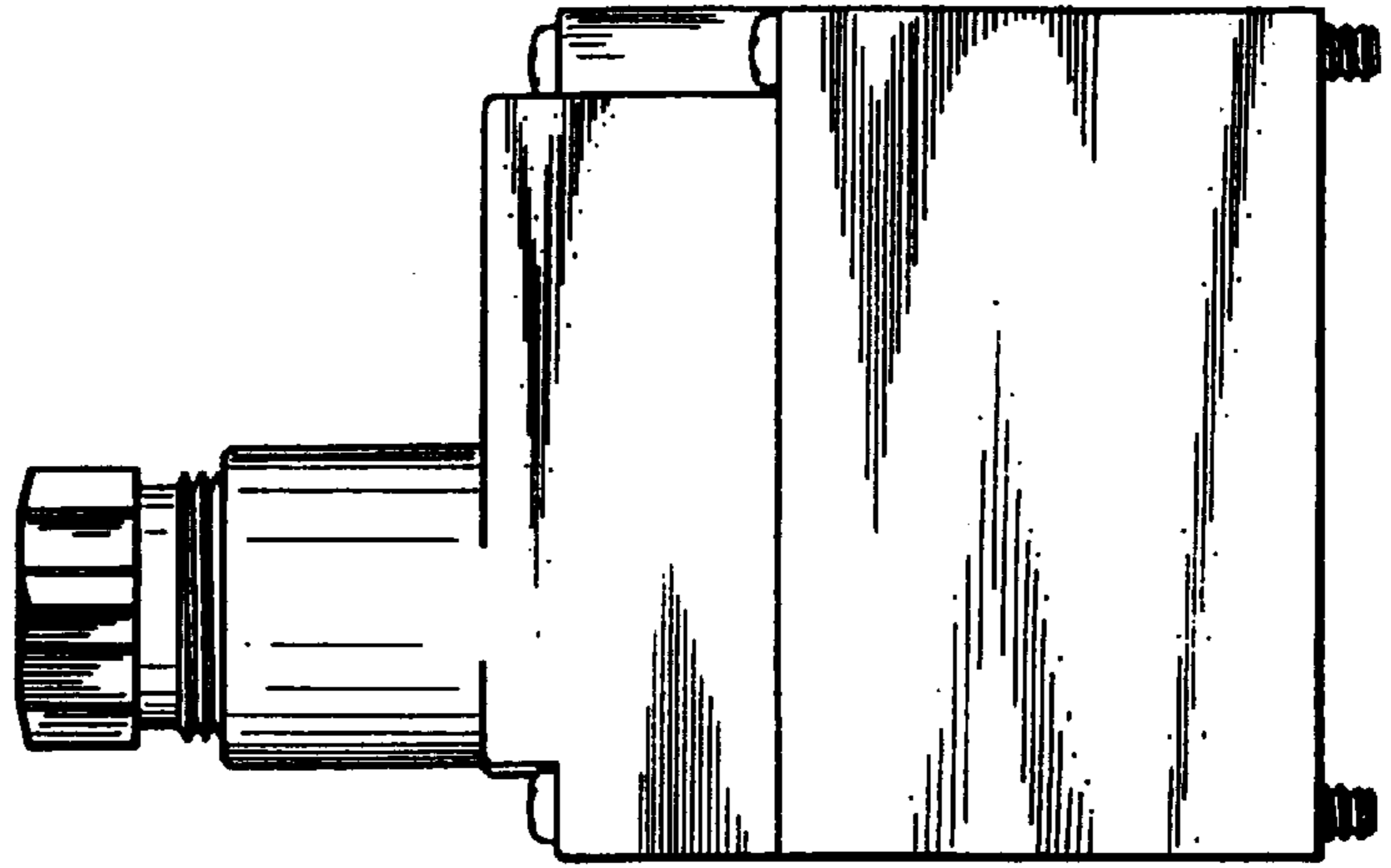


FIG. 6

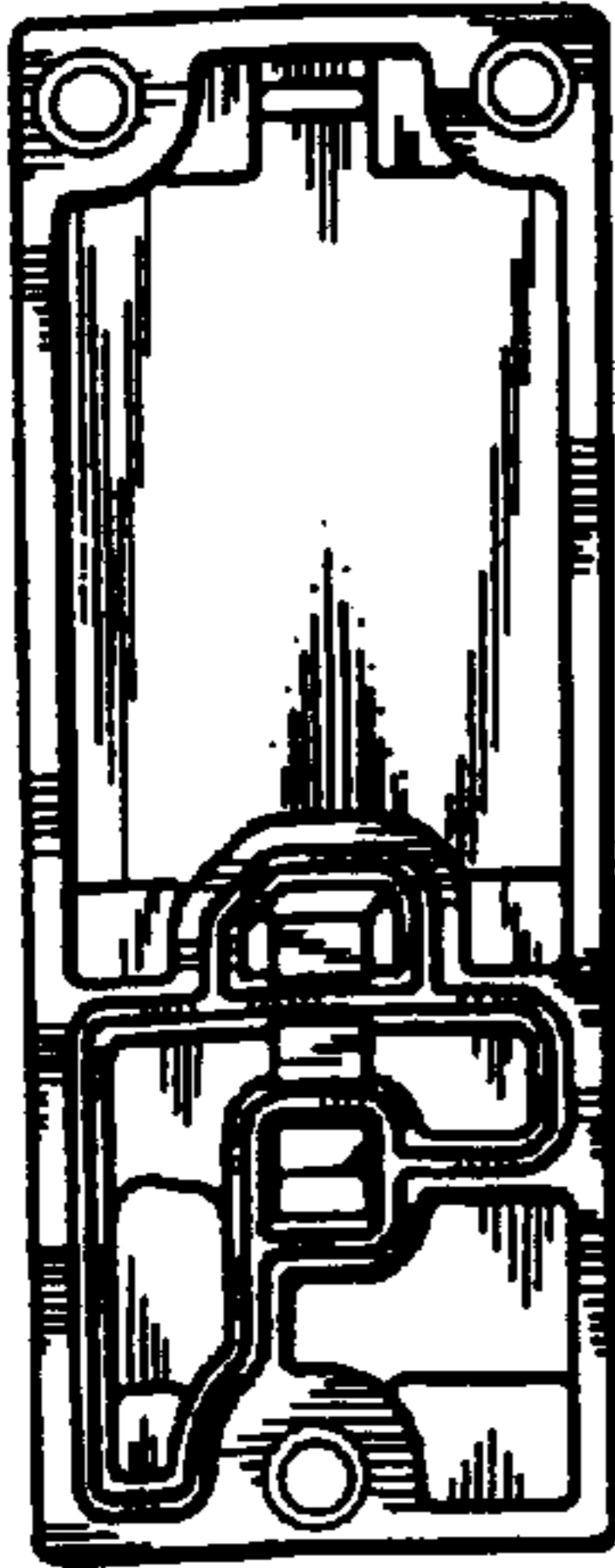


FIG. 4

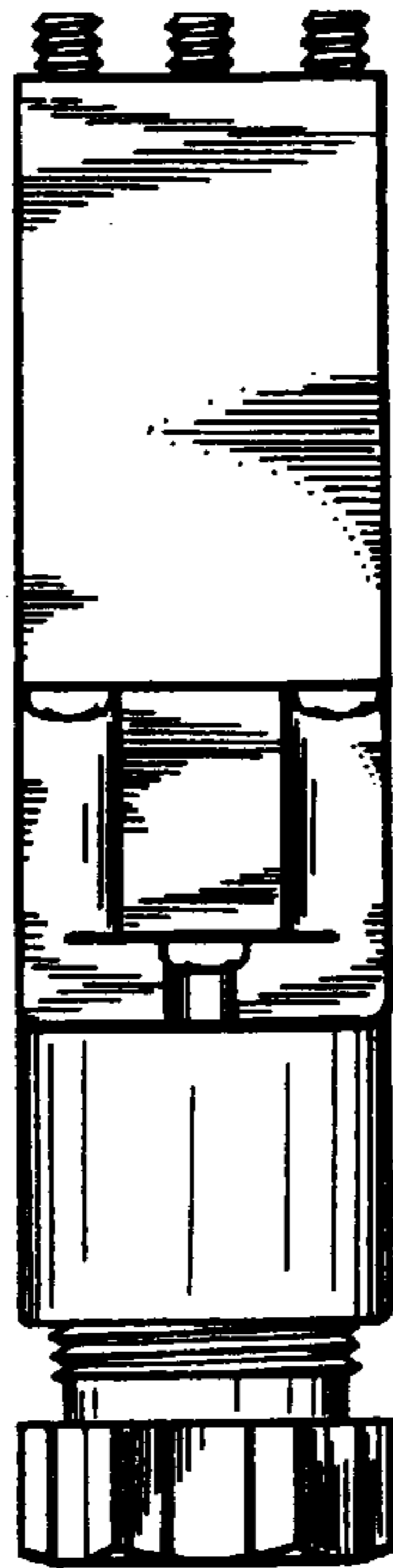


FIG. 5

