



US00D772302S

(12) **United States Design Patent** (10) **Patent No.:** **US D772,302 S**  
**Kudo et al.** (45) **Date of Patent:** **\*\* Nov. 22, 2016**

- (54) **FLUID PRESSURE CYLINDER**
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- (73) Assignee: **SMC CORPORATION**, Tokyo (JP)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/557,068**
- (22) Filed: **Mar. 4, 2016**

**Related U.S. Application Data**

- (62) Division of application No. 29/504,181, filed on Oct. 2, 2014, now Pat. No. Des. 757,120.
- (51) **LOC (10) Cl.** ..... **15-02**
- (52) **U.S. Cl.**  
USPC ..... **D15/7**
- (58) **Field of Classification Search**  
USPC ..... D15/7-9, 143; D23/231, 232, 225;  
417/60, 235, 265, 321, 355, 358, 363,  
417/359, 410.1, 415-416, 405, 900;  
60/408, 412; 184/26-37; 415/140-147;  
123/495, 509  
CPC ... F02M 37/04; F02M 31/14; F04D 29/4286  
See application file for complete search history.

**References Cited**

**U.S. PATENT DOCUMENTS**

- D295,753 S \* 5/1988 LaBair ..... D15/7
- D301,583 S \* 6/1989 Herner ..... D15/7

(Continued)

**FOREIGN PATENT DOCUMENTS**

- JP D1200380 S 3/2004
- JP D1260587 S 1/2006

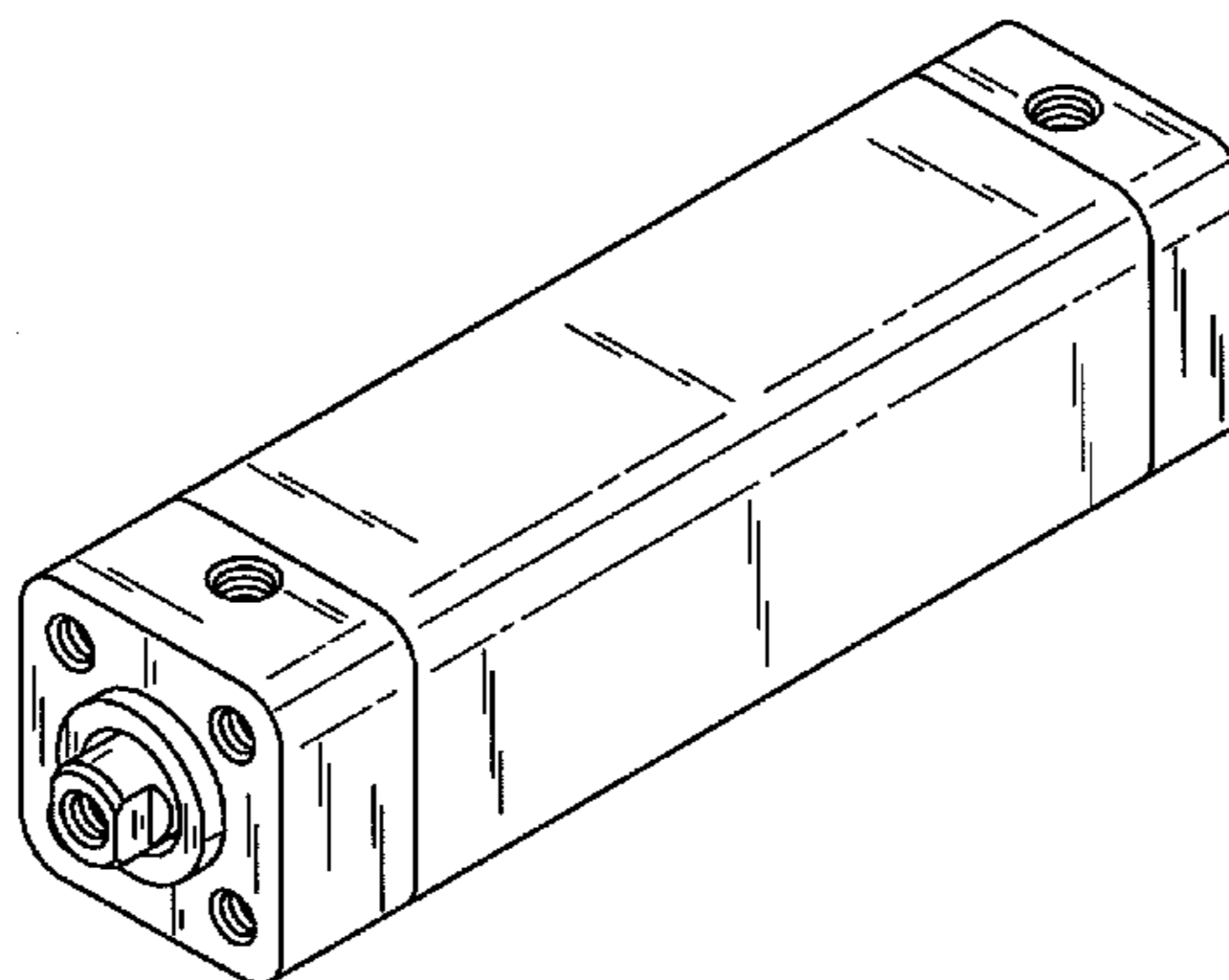
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(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

(57) **CLAIM**  
The ornamental design for a fluid pressure cylinder, as shown.

**DESCRIPTION**

FIG. 1 is a top, front and left-side perspective view of a fluid pressure cylinder showing a first embodiment of our 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 top, front and left-side perspective view of a fluid pressure cylinder showing a second embodiment of our new design;  
 FIG. 9 is a front view of FIG. 8;  
 FIG. 10 is a rear view of FIG. 8;  
 FIG. 11 is a top plan view of FIG. 8;  
 FIG. 12 is a bottom plan view of FIG. 8;  
 FIG. 13 is a left side view of FIG. 8;  
 FIG. 14 is a right side view of FIG. 8;  
 FIG. 15 is a top, front and left-side perspective view of a fluid pressure cylinder showing a third embodiment of our new design;  
 FIG. 16 is a front view of FIG. 15;  
 FIG. 17 is a rear view of FIG. 15;  
 FIG. 18 is a top plan view of FIG. 15;  
 FIG. 19 is a bottom plan view of FIG. 15;  
 FIG. 20 is a left side view of FIG. 15;  
 FIG. 21 is a right side view of FIG. 15;  
 FIG. 22 is a top, front and left-side perspective view of a fluid pressure cylinder showing a fourth embodiment of our new design;  
 FIG. 23 is a front view of FIG. 22;  
 FIG. 24 is a rear view of FIG. 22;  
 FIG. 25 is a top plan view of FIG. 22;  
 FIG. 26 is a bottom plan view of FIG. 22;  
 FIG. 27 is a left side view of FIG. 22; and,  
 FIG. 28 is a right side view of FIG. 22.

**1 Claim, 28 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

4,856,415 A 8/1989 Noda  
 D303,393 S \* 9/1989 Stoll ..... D15/7  
 D370,683 S \* 6/1996 Stahlman ..... D15/7  
 D378,214 S \* 2/1997 Ikumi ..... D15/143  
 D378,680 S \* 4/1997 Ikumi ..... D15/7  
 D380,217 S \* 6/1997 Jermeay ..... D15/5  
 D408,420 S \* 4/1999 Buter ..... D15/7  
 D417,457 S \* 12/1999 Asahara ..... D15/7  
 D420,683 S \* 2/2000 Suzuki ..... D15/7  
 D428,617 S \* 7/2000 Hariwara ..... D15/7

D643,855 S \* 8/2011 Taniguchi ..... D15/7  
 D643,856 S \* 8/2011 Taniguchi ..... D15/7  
 D669,097 S \* 10/2012 Hariwara ..... D15/7  
 D669,098 S \* 10/2012 Hariwara ..... D15/7  
 D682,901 S \* 5/2013 Peschel ..... D15/143  
 D699,759 S \* 2/2014 Peschel ..... D15/7  
 D699,760 S \* 2/2014 Peschel ..... D15/7  
 D699,761 S \* 2/2014 Peschel ..... D15/7  
 D702,261 S \* 4/2014 Landers ..... D15/7  
 D730,407 S \* 5/2015 Mauchle ..... D15/7  
 D757,120 S \* 5/2016 Kudo ..... D15/7  
 D760,805 S \* 7/2016 Monden ..... D15/7

\* cited by examiner

FIG. 1

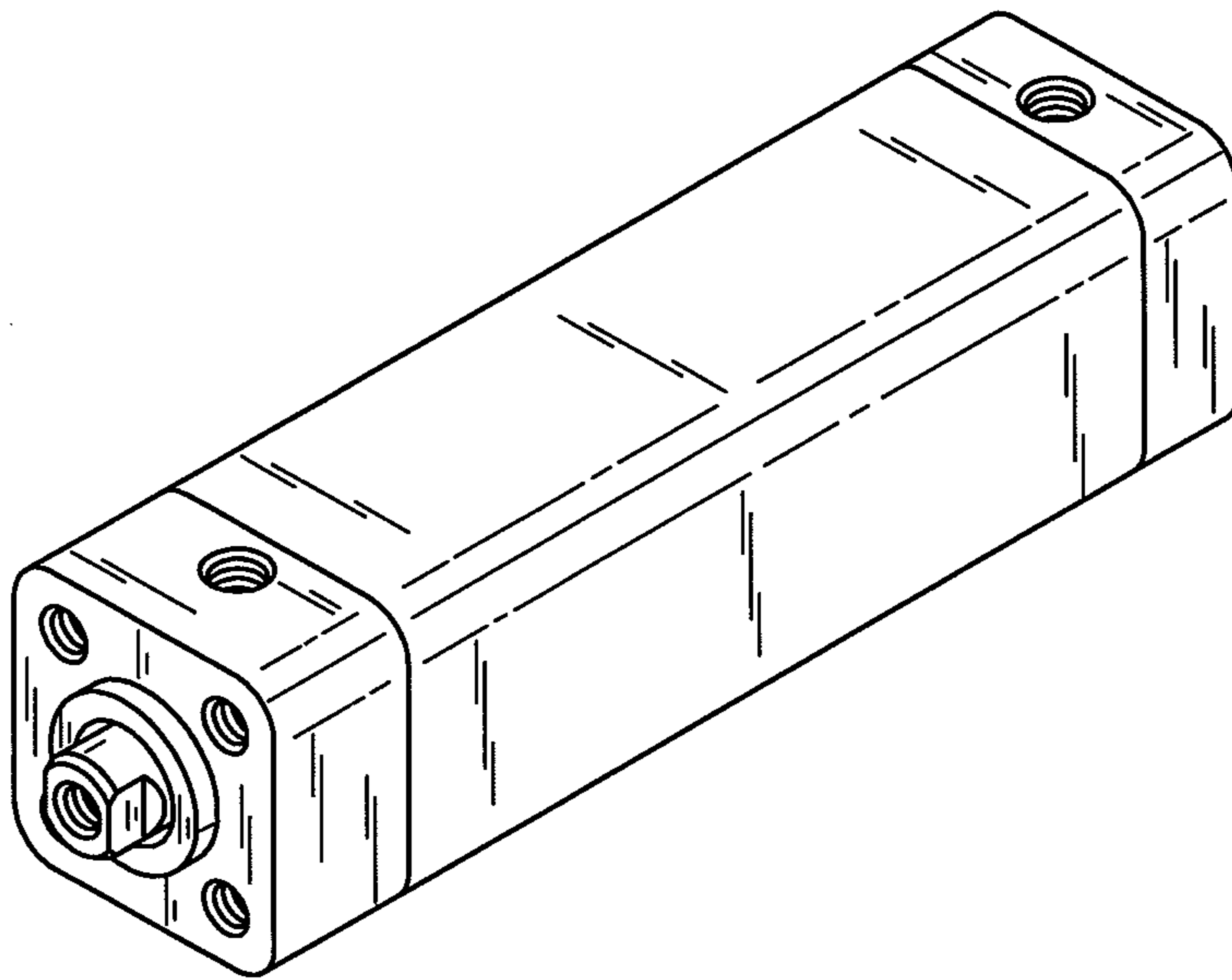


FIG. 2

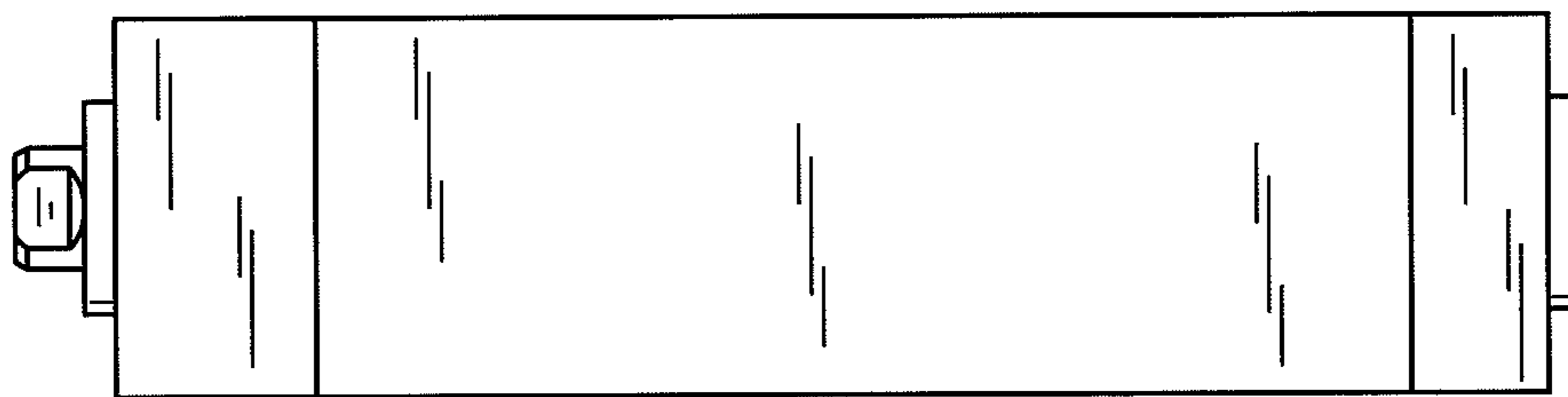


FIG. 3

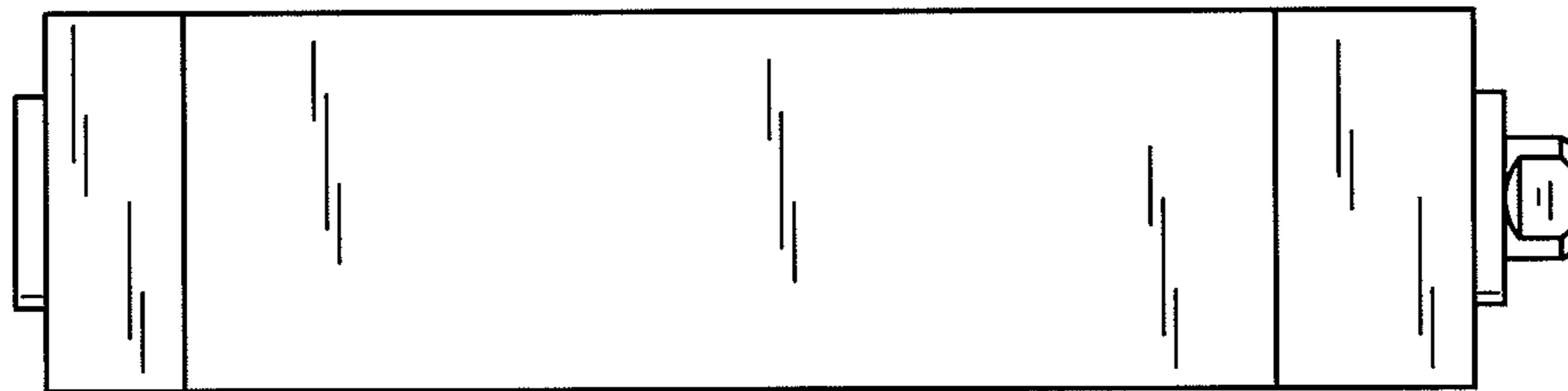


FIG. 4

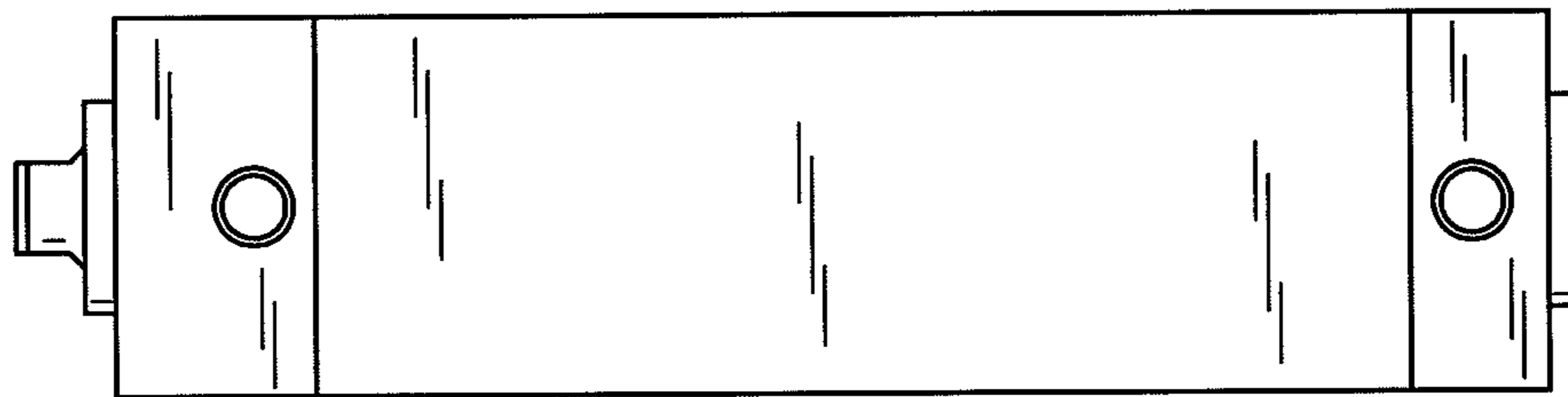


FIG. 5

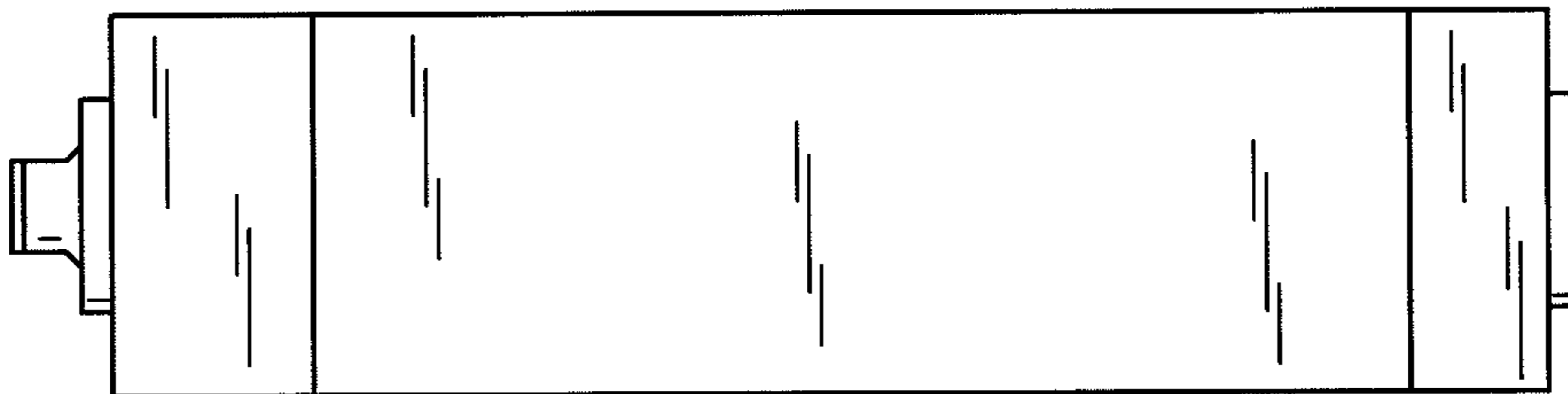


FIG. 6

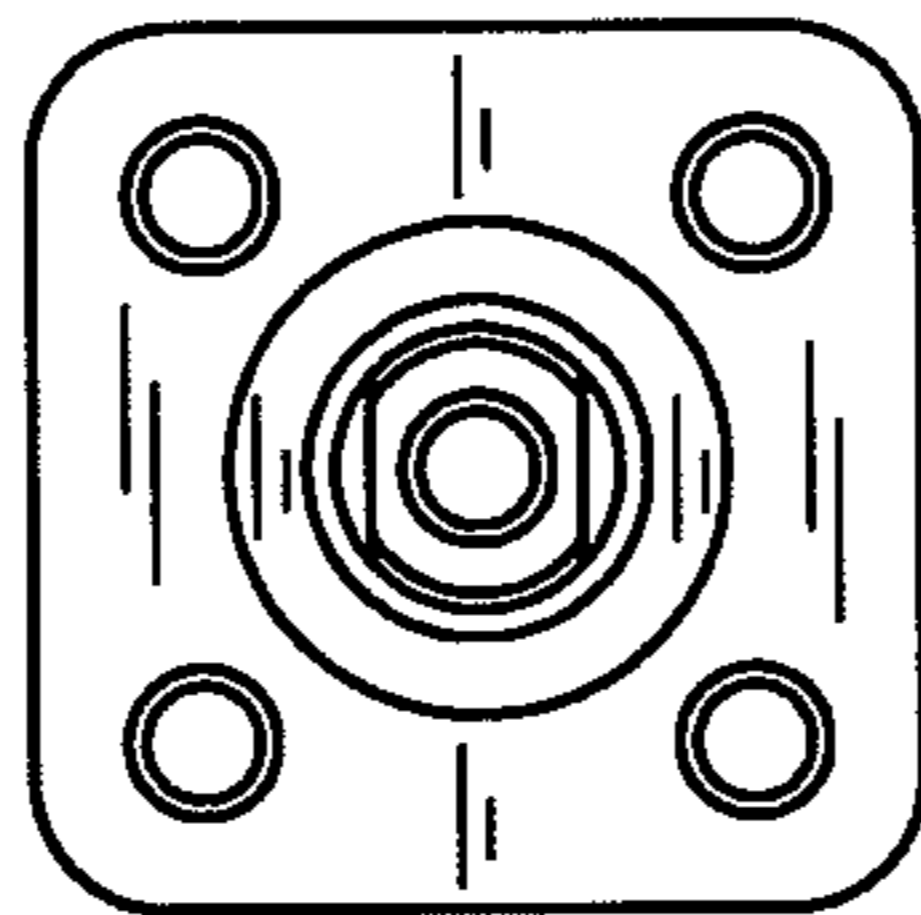




FIG. 7

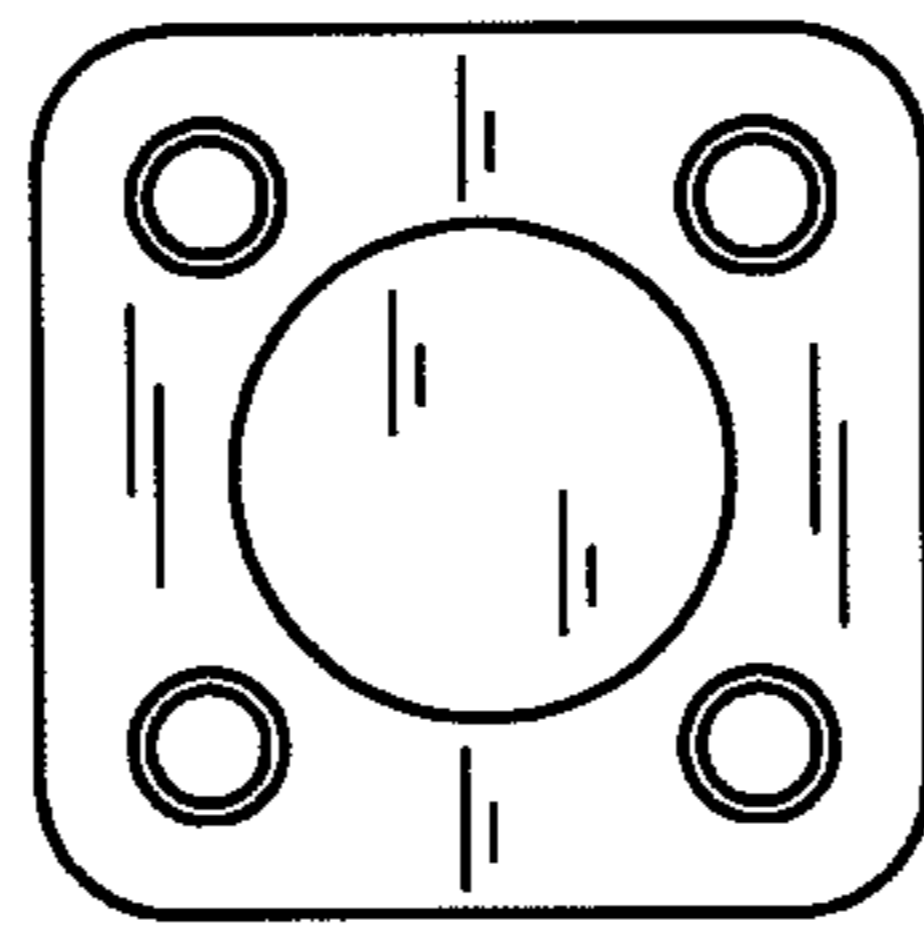


FIG. 8

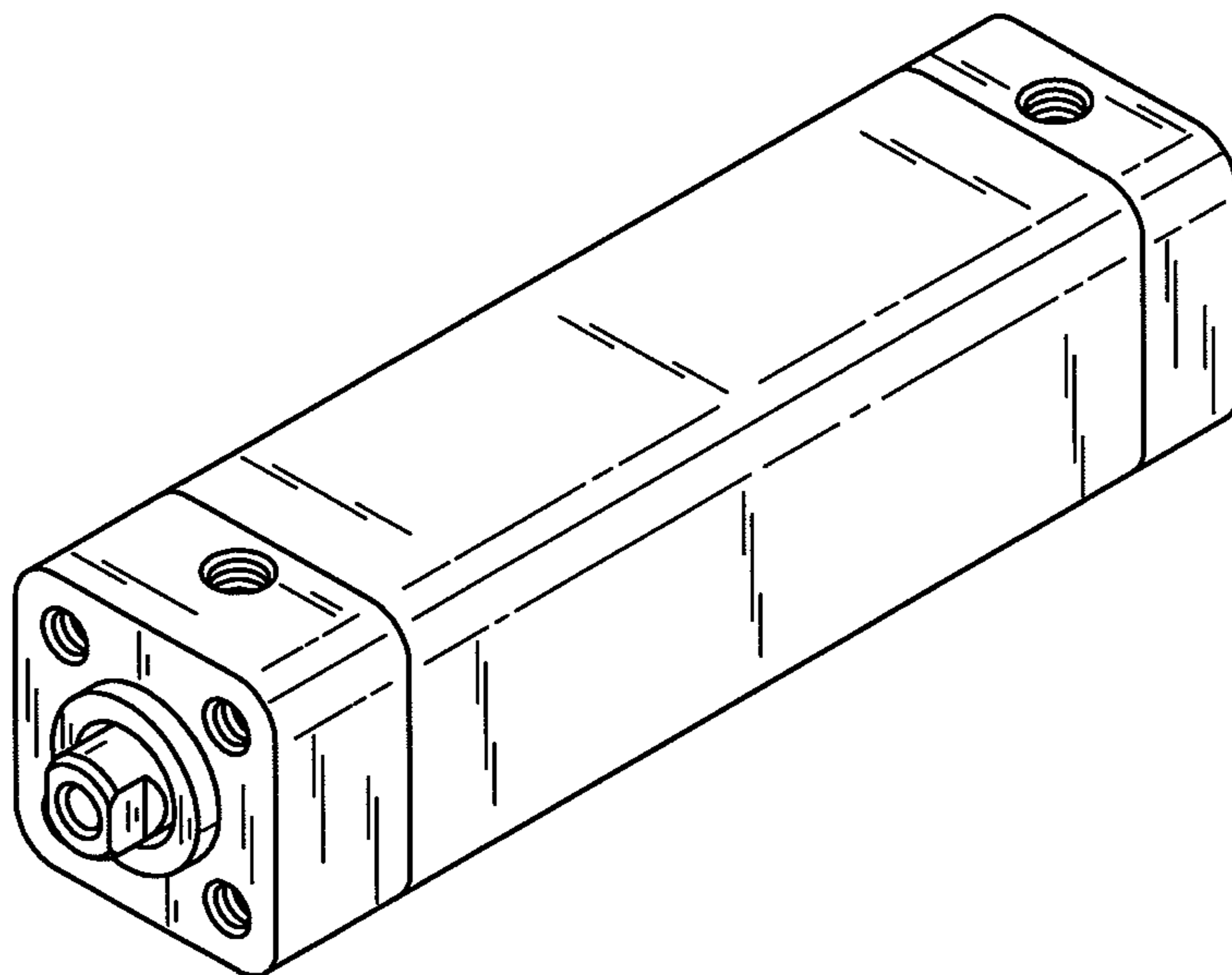


FIG. 9

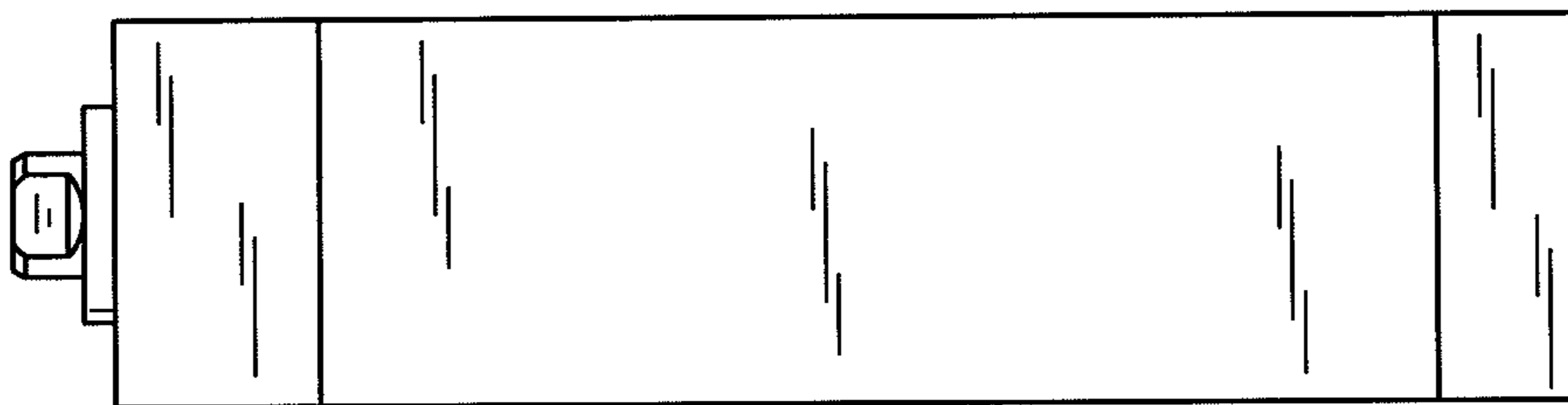


FIG. 10

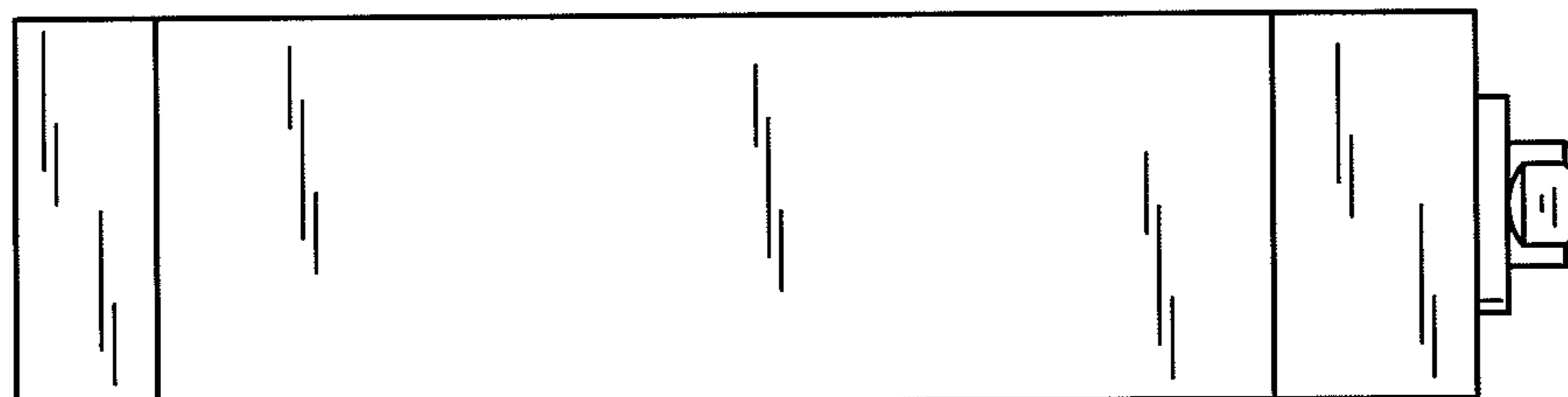


FIG. 11

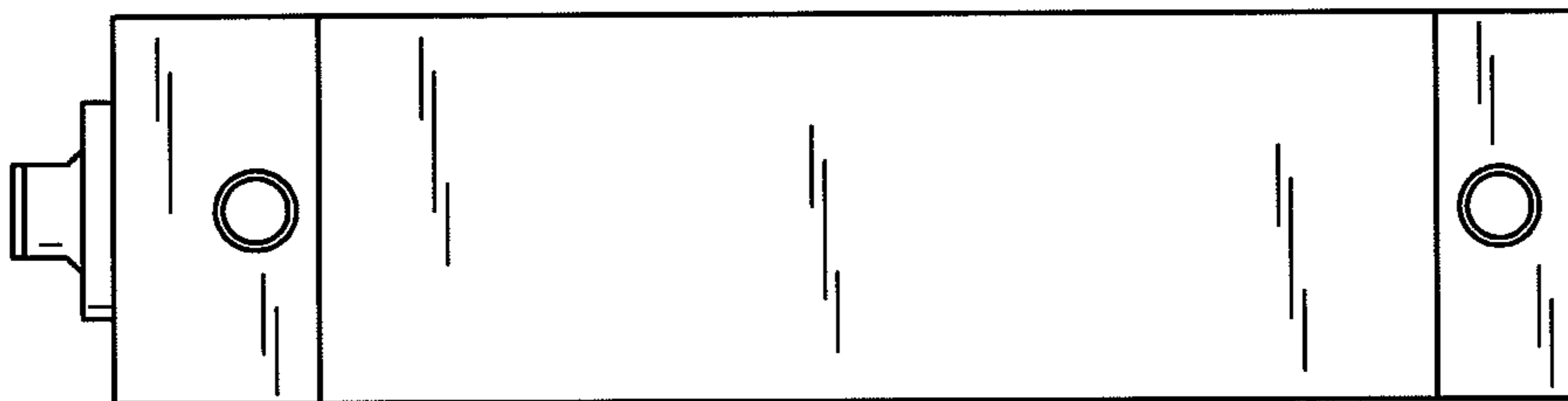


FIG. 12

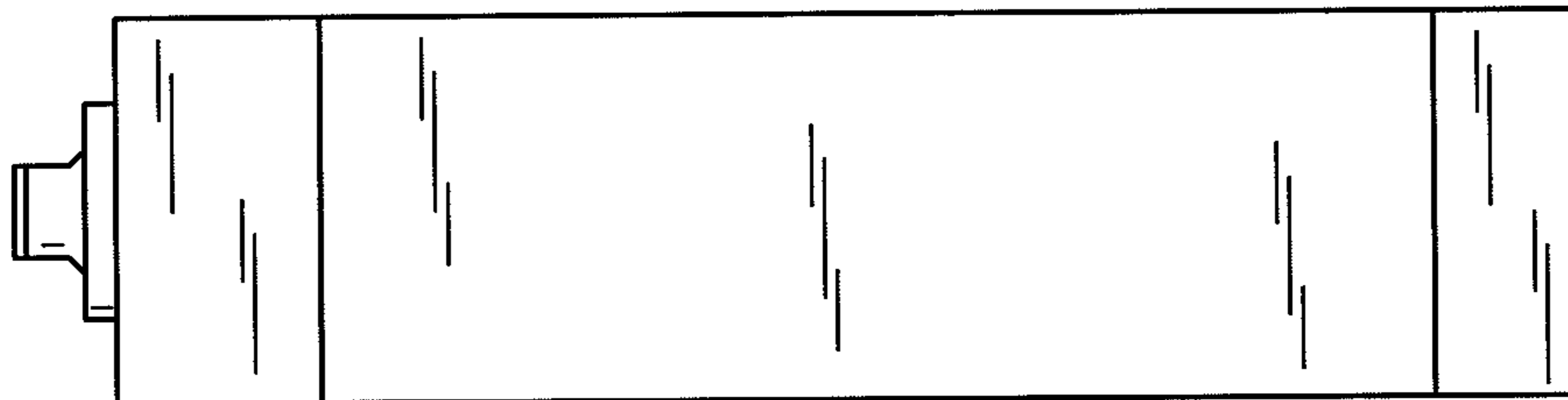


FIG. 13

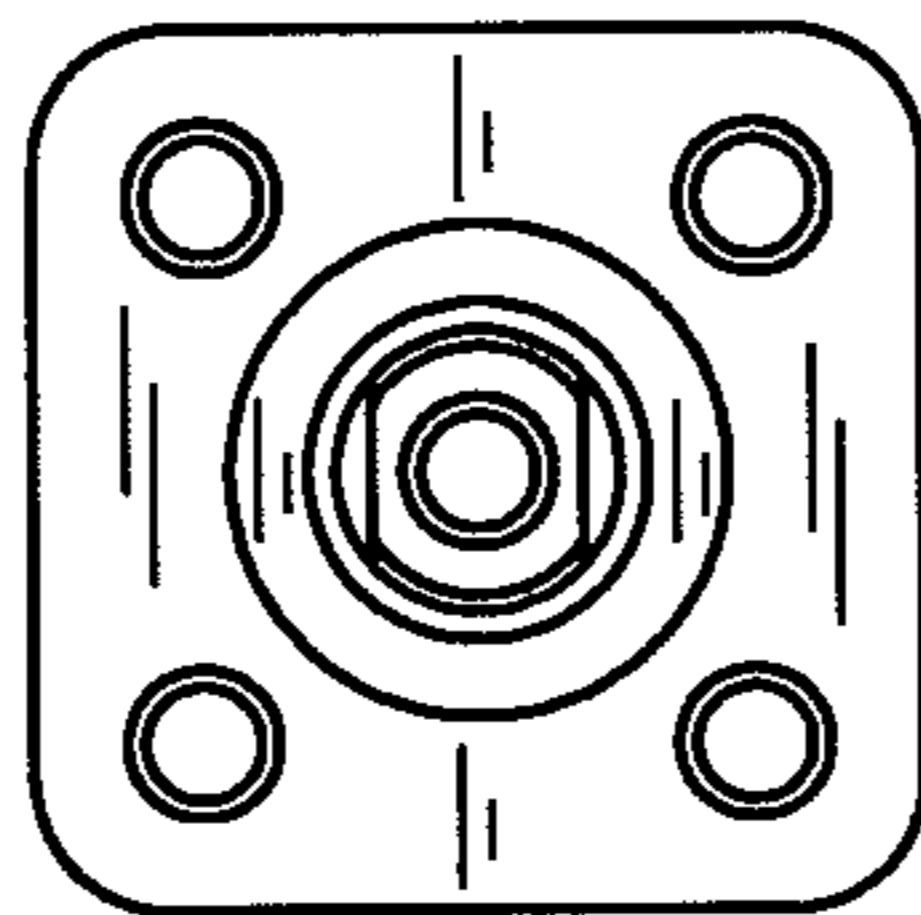


FIG. 14

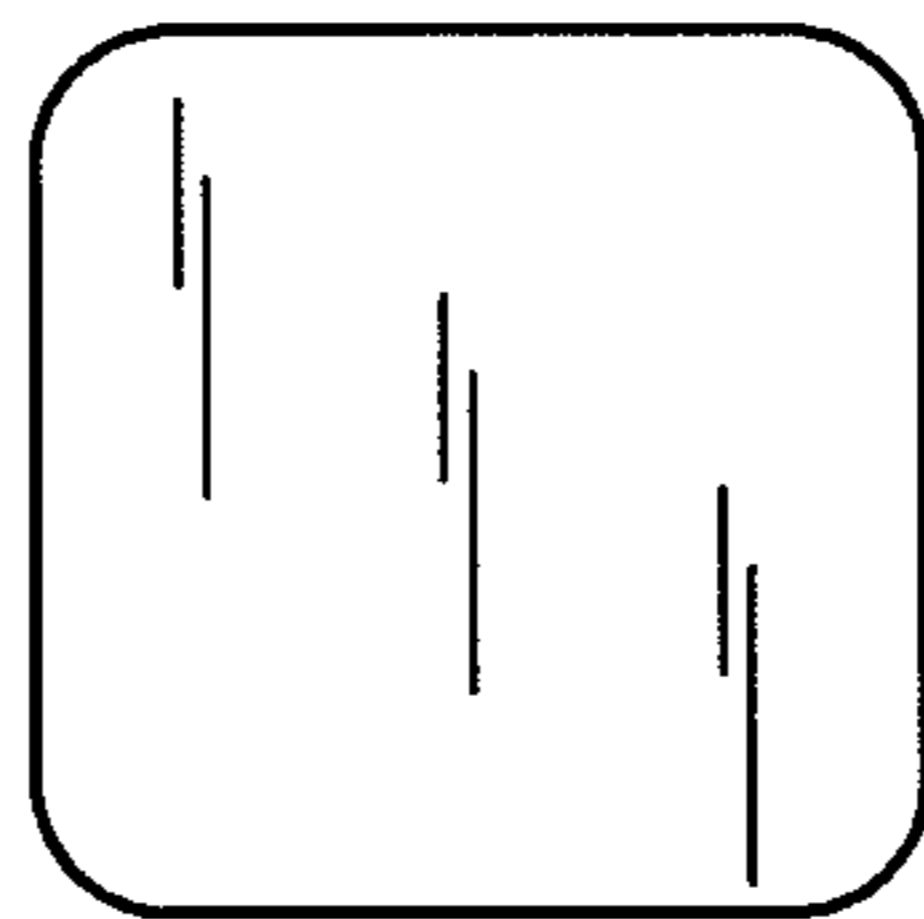




FIG. 15

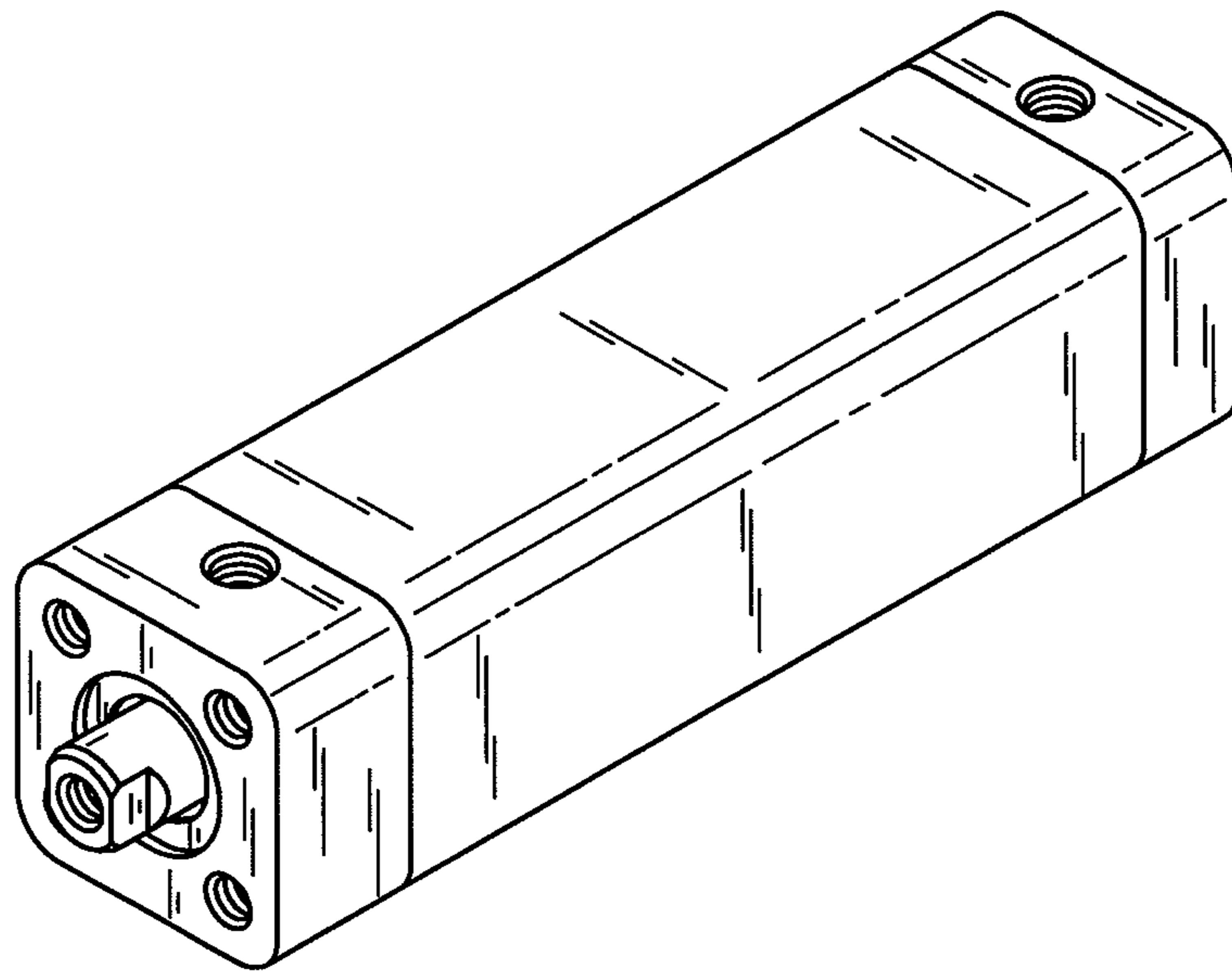


FIG. 16

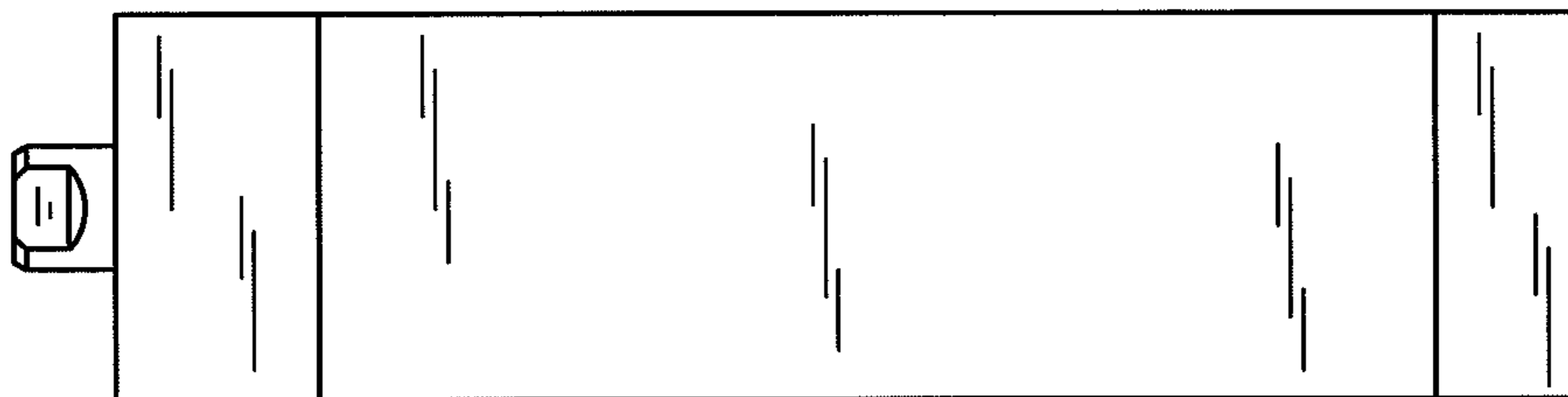


FIG. 17

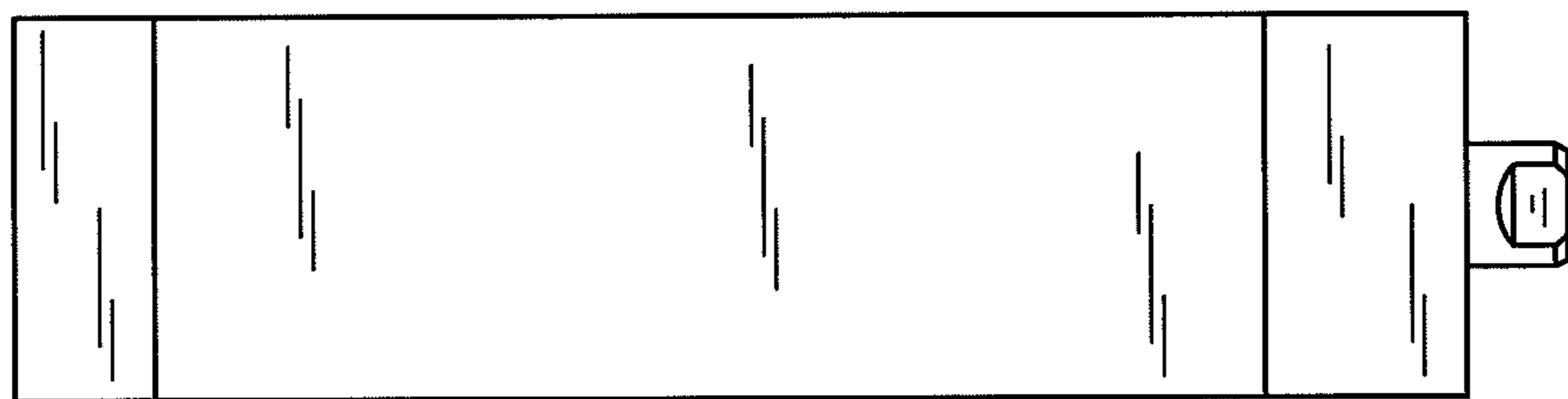


FIG. 18

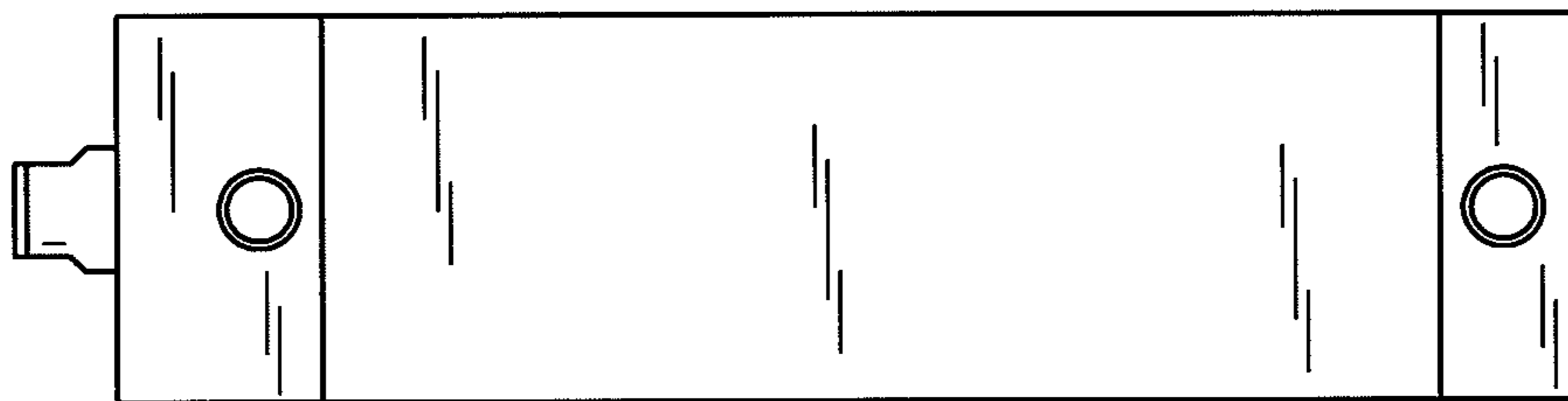


FIG. 19

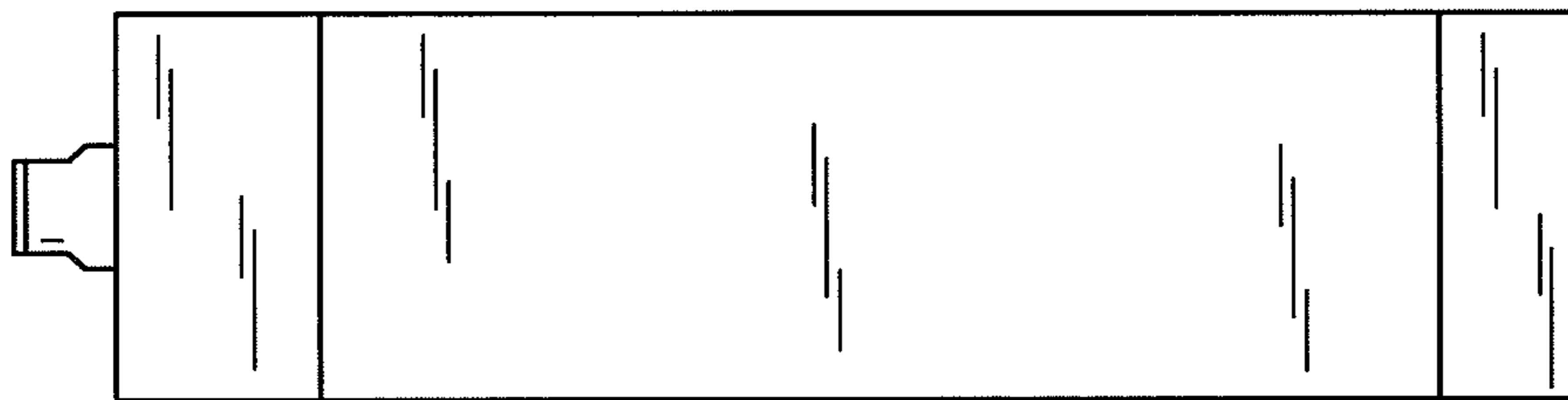


FIG. 20

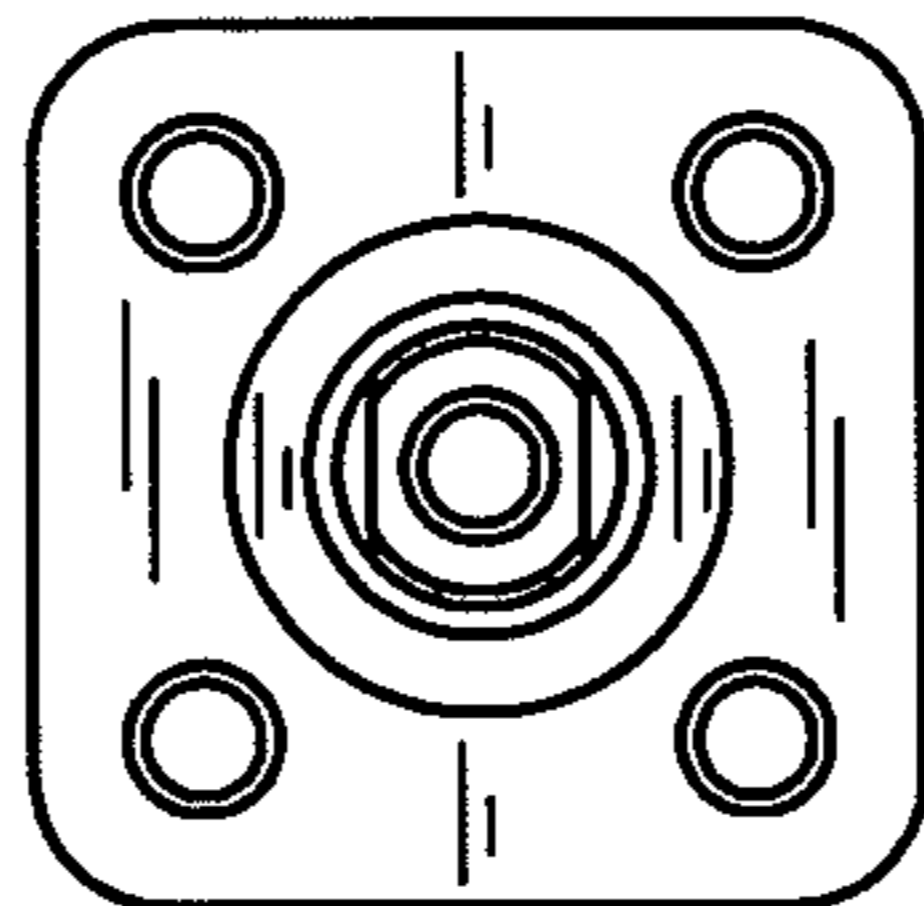


FIG. 21

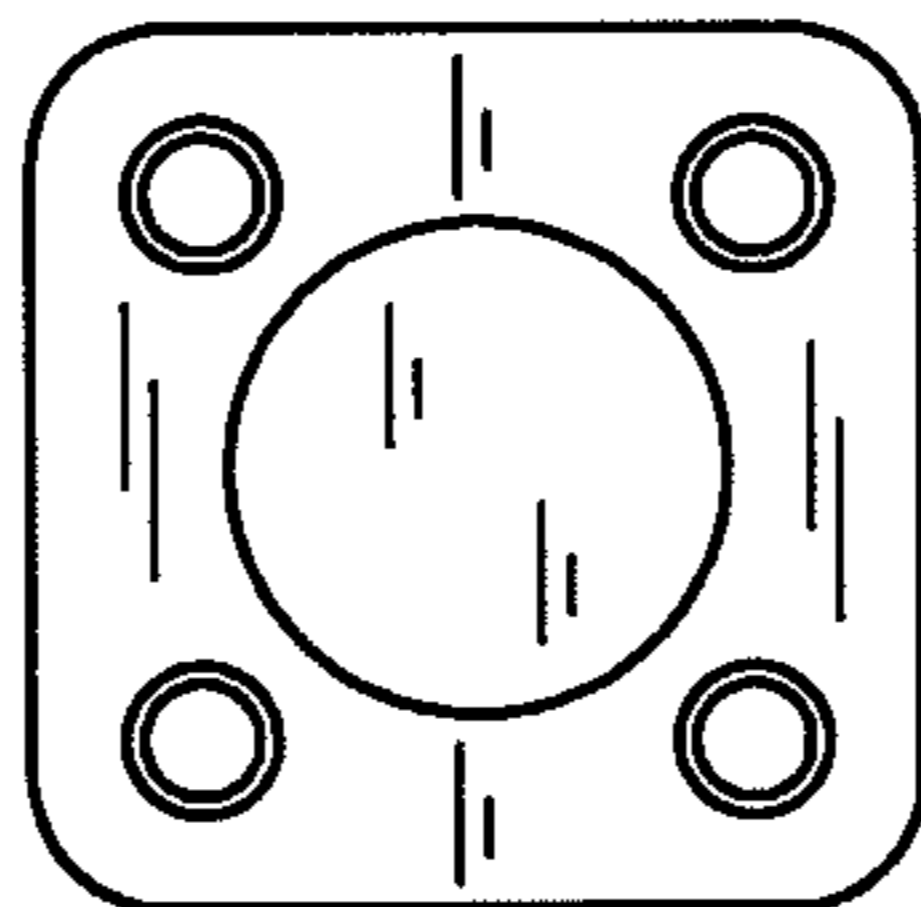


FIG. 22

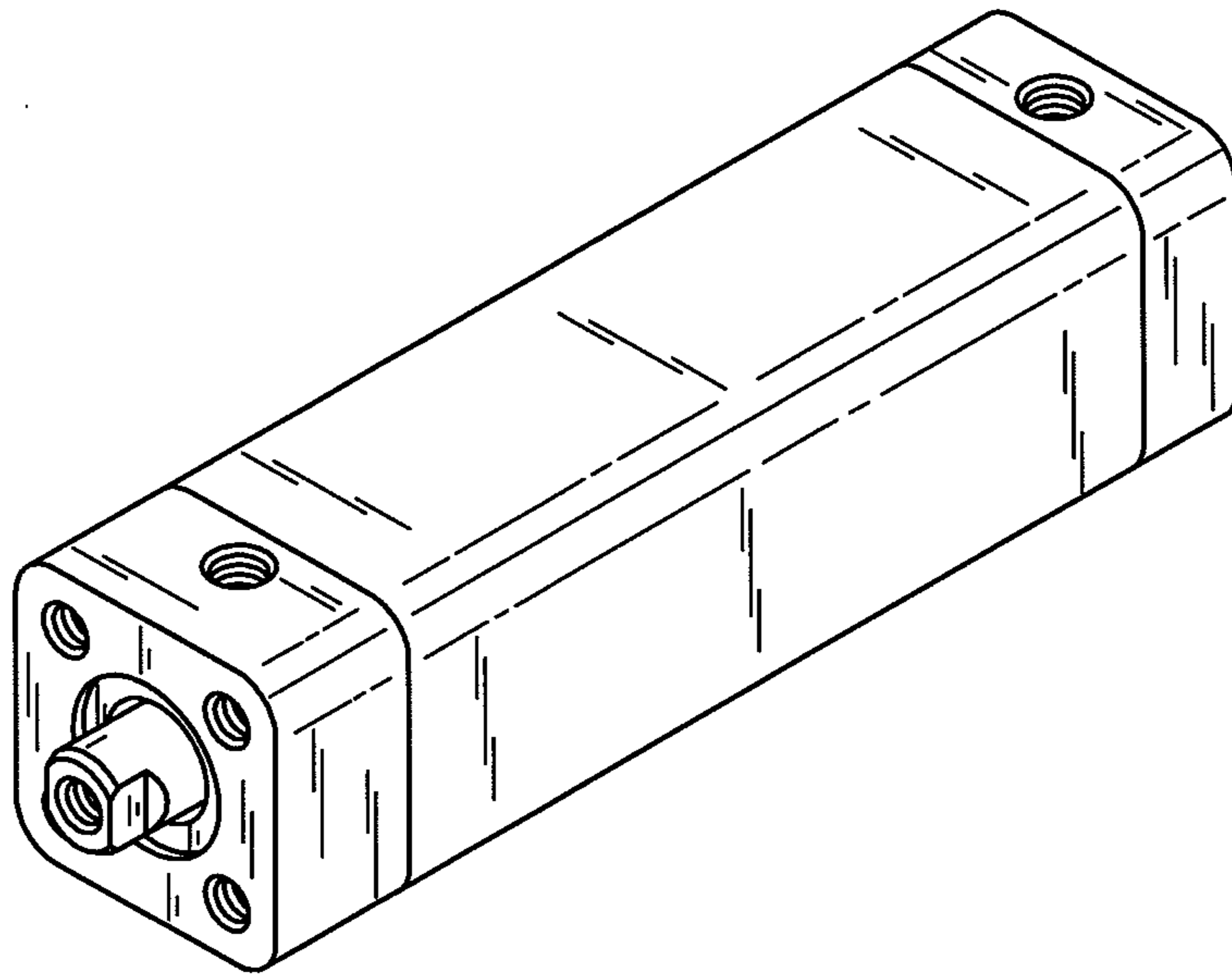




FIG. 23

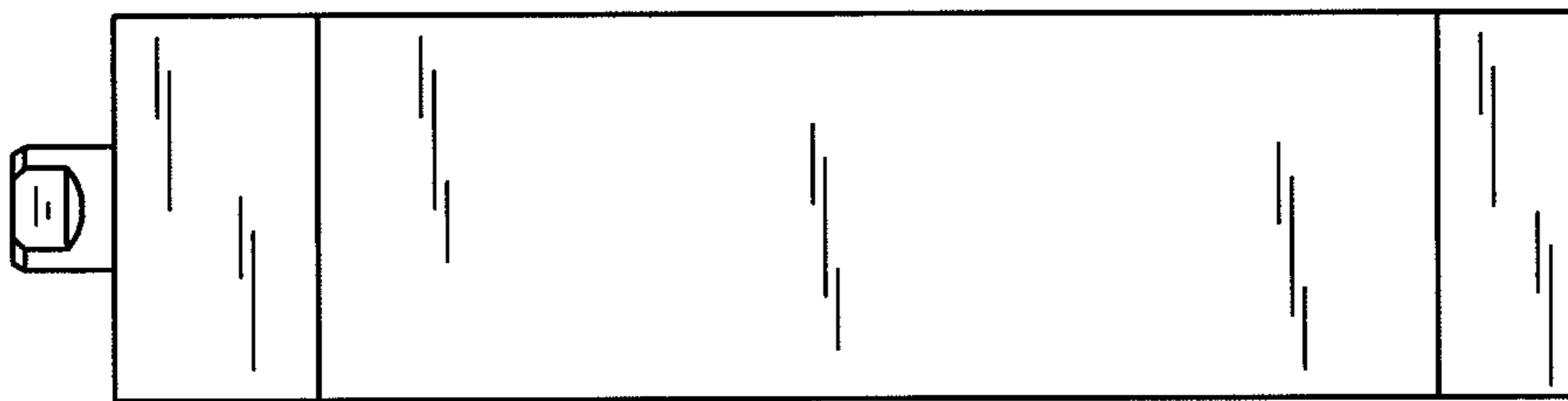


FIG. 24

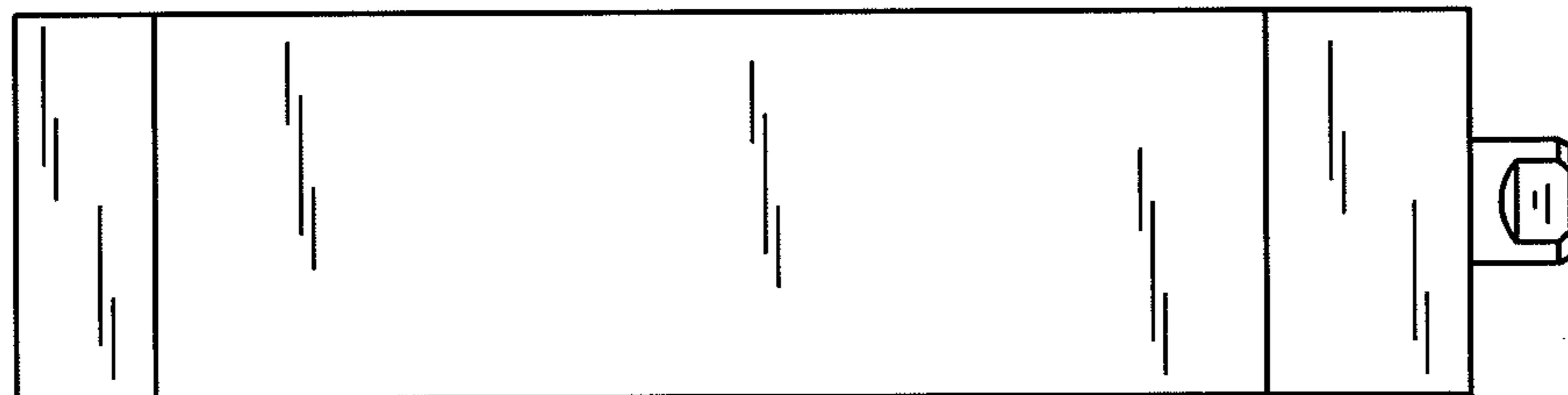


FIG. 25

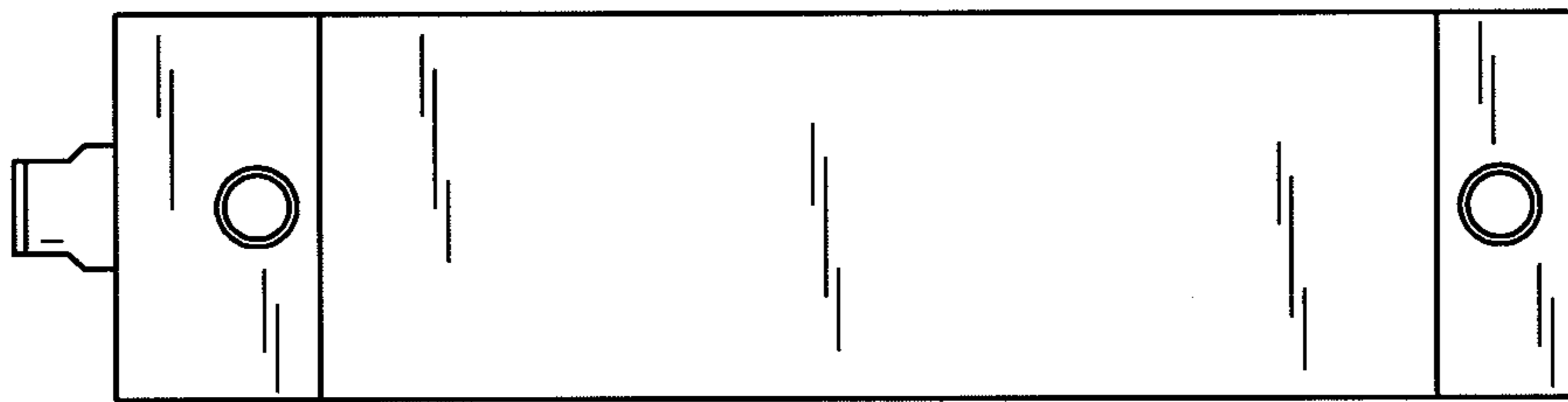


FIG. 26

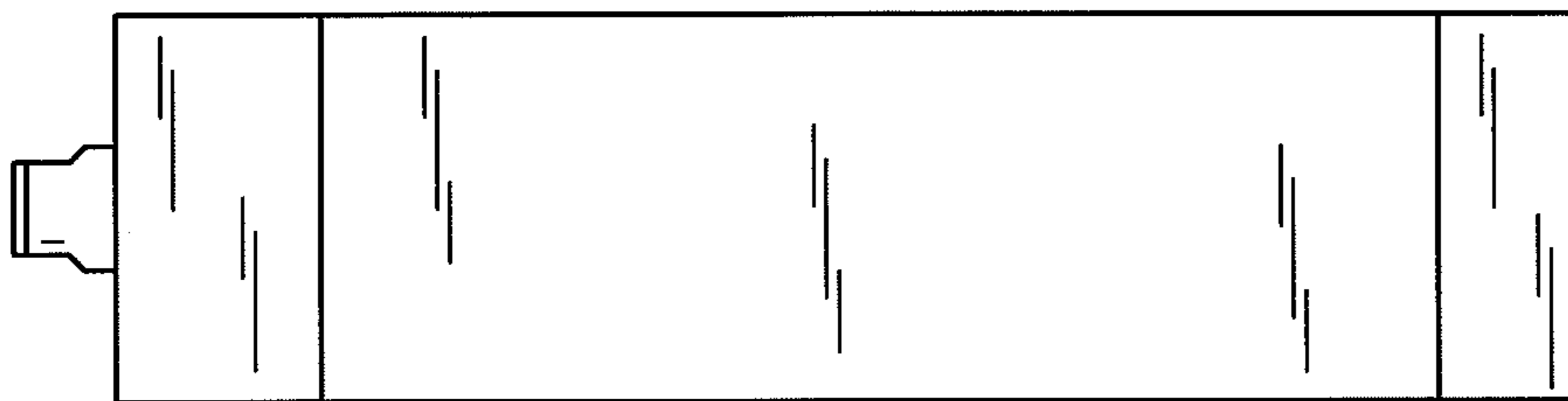


FIG. 27

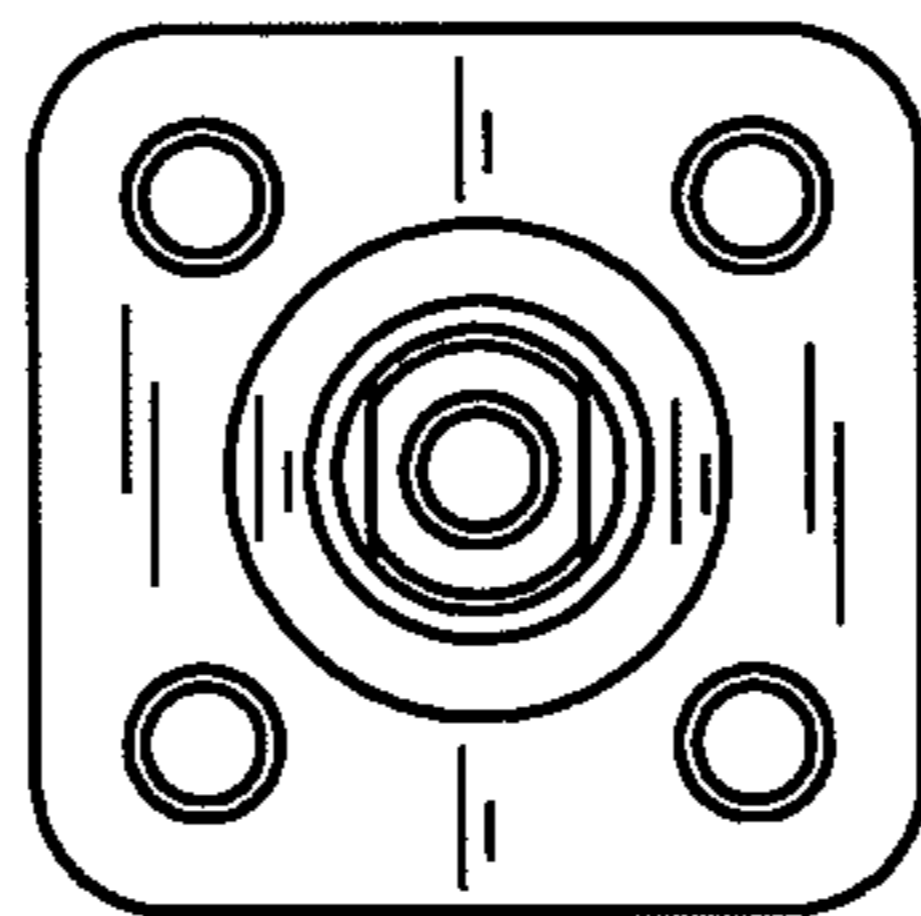


FIG. 28

