



US00D757120S

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

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(45) **Date of Patent:** **** May 24, 2016**

(54) **FLUID PRESSURE CYLINDER**

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Eiko Miyasato, Tsukubamirai (JP); **Yuu Mizutani**, Tsukubamirai (JP)

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

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

(21) Appl. No.: **29/504,181**

(22) Filed: **Oct. 2, 2014**

(51) **LOC (10) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**
USPC D15/7-9; D23/231, 232, 225; 417/60,
417/235, 265, 321, 355, 358, 363, 359,
417/410.1, 415-416, 405, 900; 60/408,
60/412; 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.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D295,753 S * 5/1988 LaBair D15/7
D301,583 S * 6/1989 Herner D15/7
4,856,415 A * 8/1989 Noda F15B 15/082
384/42

(Continued)

FOREIGN PATENT DOCUMENTS

JP D1200380 S 1/2006
JP D1260587 S 1/2006

Primary Examiner — Ralf Seifert

(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 thereof;

FIG. 10 is a rear view thereof;

FIG. 11 is a top plan view thereof;

FIG. 12 is a bottom plan view thereof;

FIG. 13 is a left side view thereof;

FIG. 14 is a right side view thereof;

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 thereof;

FIG. 17 is a rear view thereof;

FIG. 18 is a top plan view thereof;

FIG. 19 is a bottom plan view thereof;

FIG. 20 is a left side view thereof;

FIG. 21 is a right side view thereof;

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 thereof;

FIG. 24 is a rear view thereof;

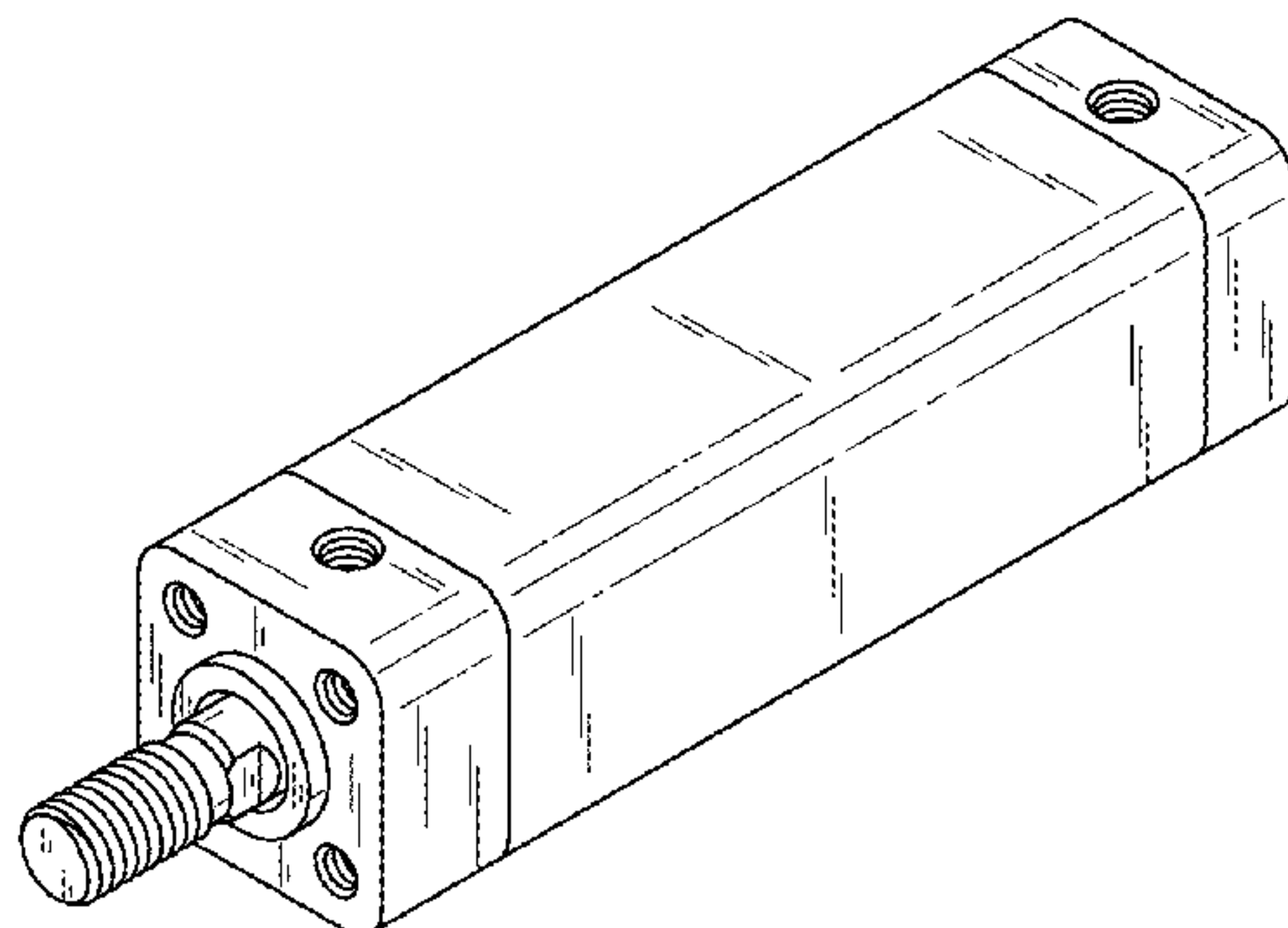
FIG. 25 is a top plan view thereof;

FIG. 26 is a bottom plan view thereof;

FIG. 27 is a left side view thereof; and,

FIG. 28 is a right side view thereof.

1 Claim, 28 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D303,393 S *	9/1989	Stoll	.....	D15/7	D428,617 S *	7/2000	Hariwara	.....	D15/7
D370,683 S *	6/1996	Stahlman	.....	D15/7	D643,855 S *	8/2011	Taniguchi	.....	D15/7
D378,214 S *	2/1997	Ikumi	.....	D15/143	D643,856 S *	8/2011	Taniguchi	.....	D15/7
D378,680 S *	4/1997	Ikumi	.....	D15/7	D669,097 S *	10/2012	Hariwara	.....	D15/7
D380,217 S *	6/1997	Jermeay	.....	D15/5	D669,098 S *	10/2012	Hariwara	.....	D15/7
D408,420 S *	4/1999	Buter	.....	D15/7	D682,901 S *	5/2013	Peschel	.....	D15/143
D417,457 S *	12/1999	Asahara	.....	D15/7	D699,759 S *	2/2014	Peschel	.....	D15/7
D420,683 S *	2/2000	Suzuki	.....	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

* cited by examiner

FIG. 1

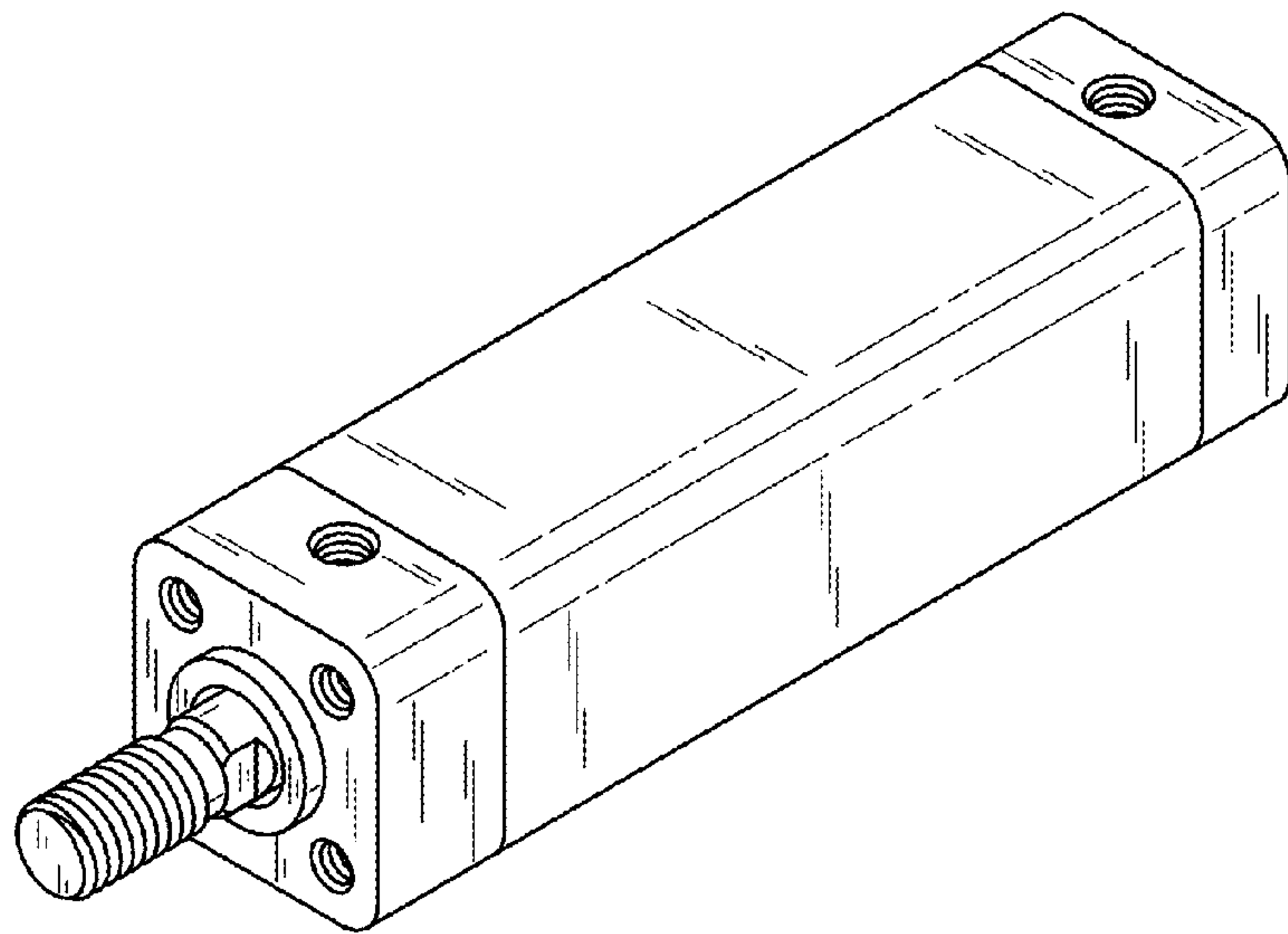


FIG. 2

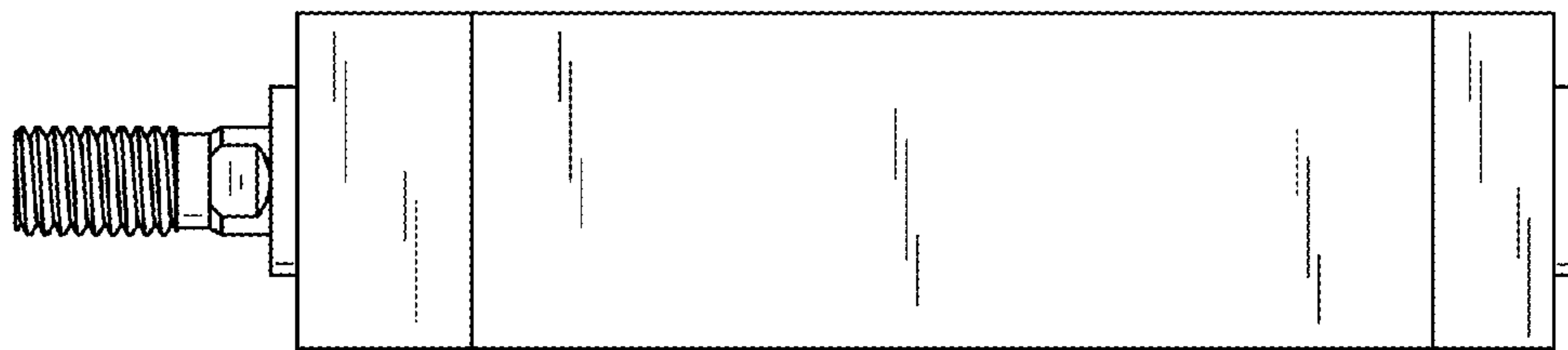


FIG. 3

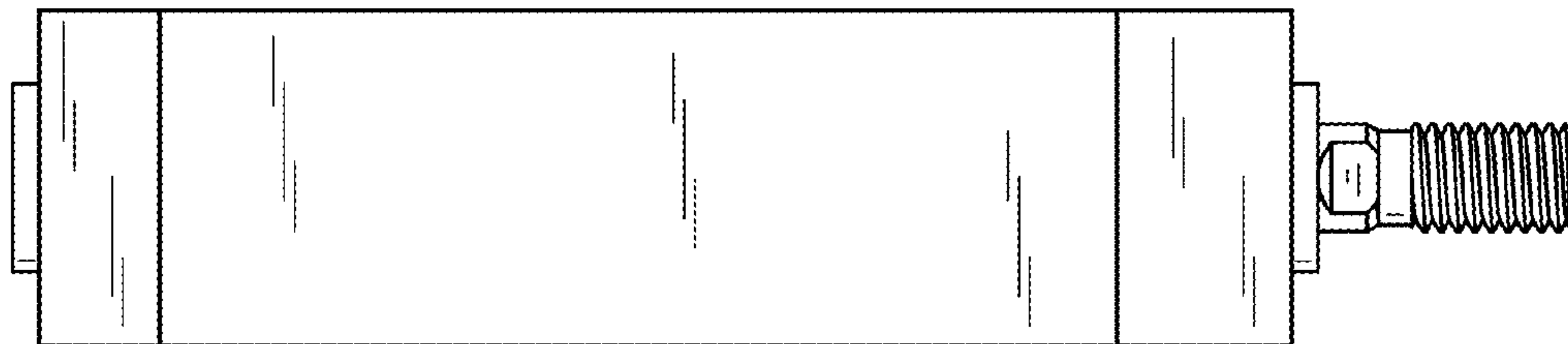


FIG. 4

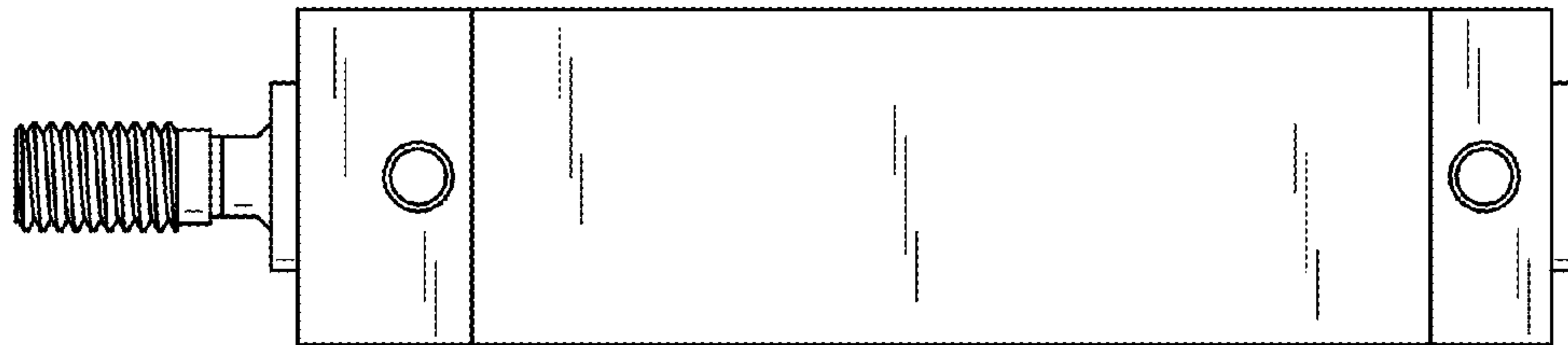


FIG. 5

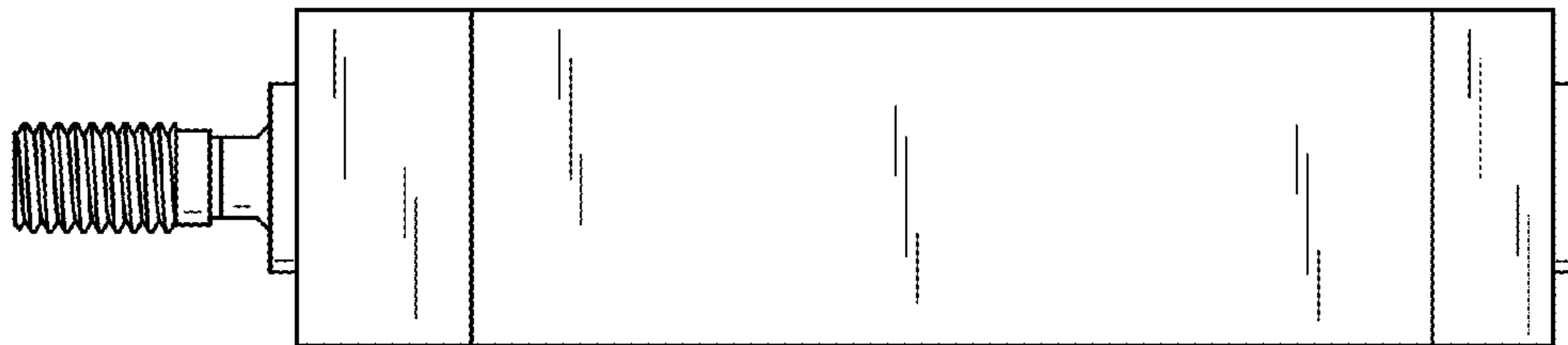


FIG. 6

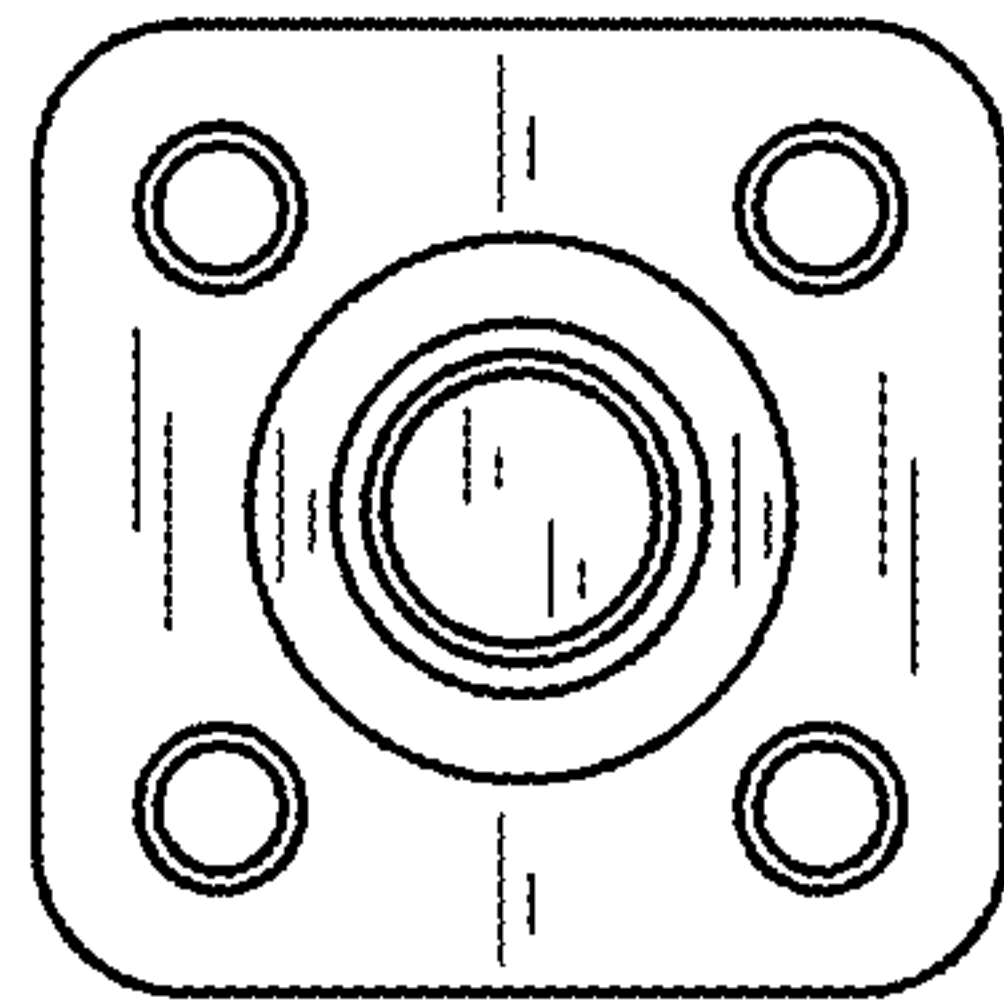


FIG. 7

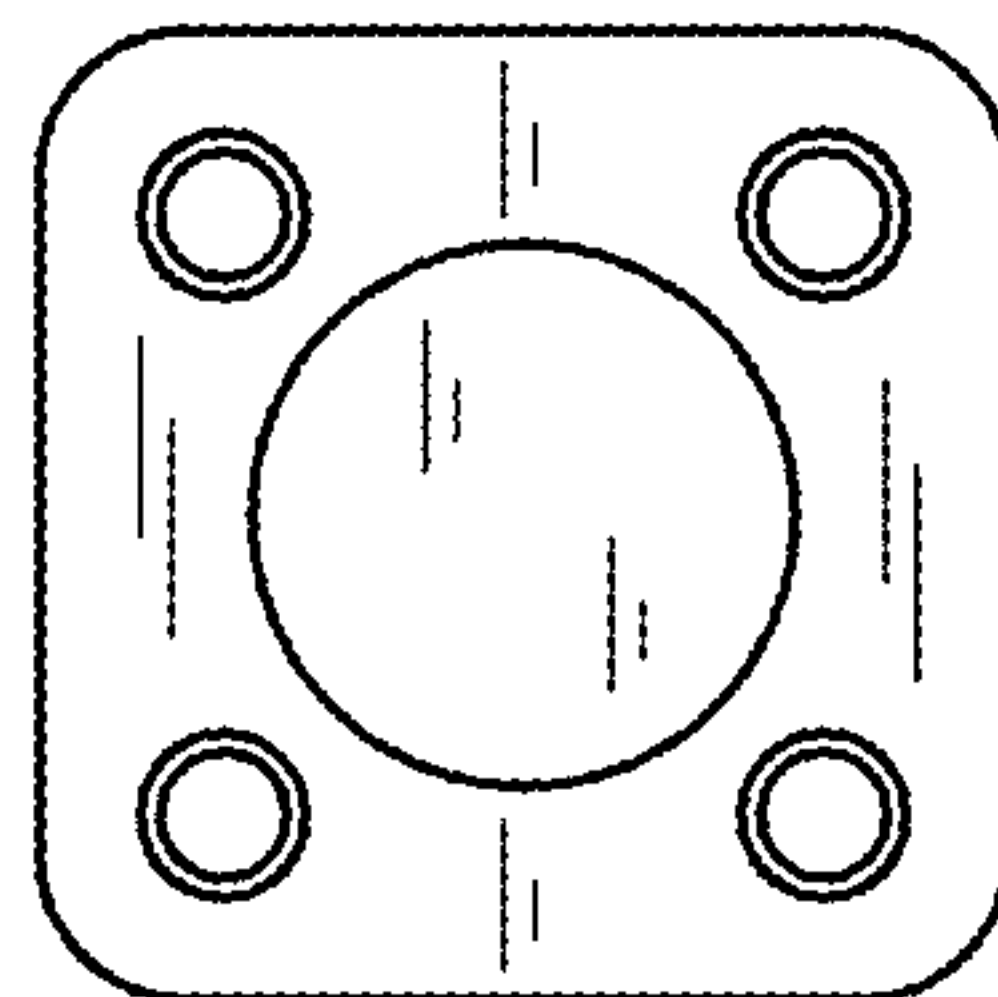


FIG. 8

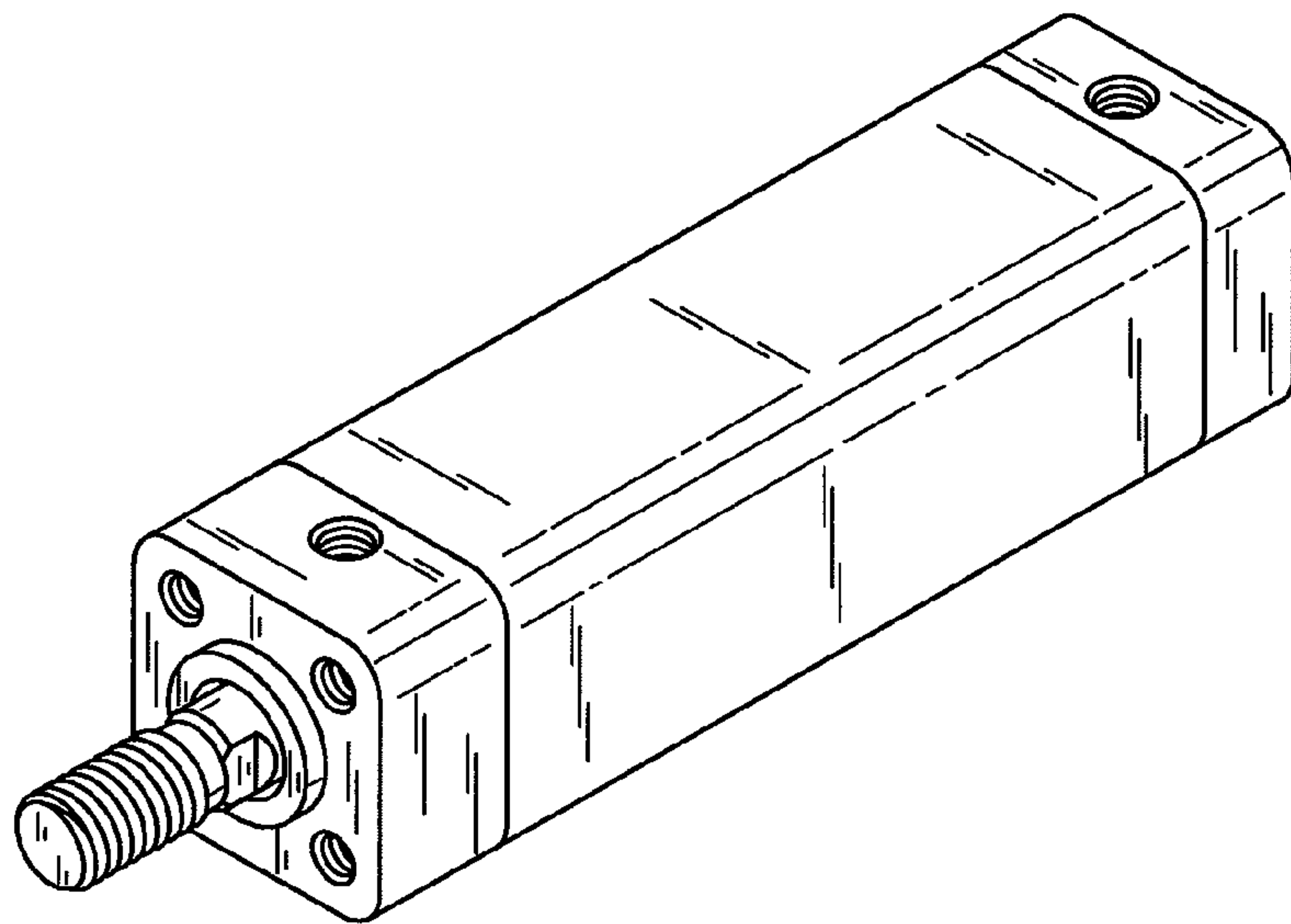


FIG. 9

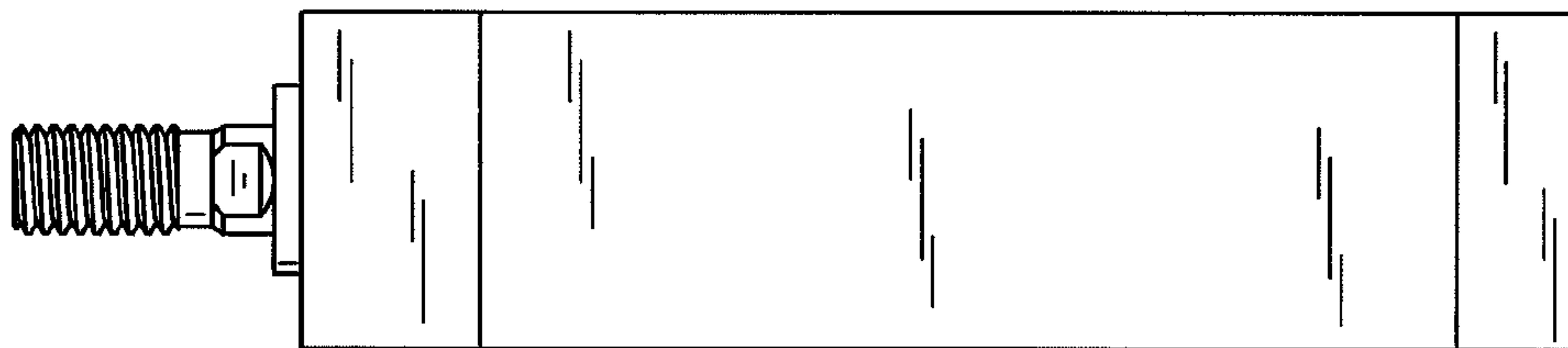


FIG. 10

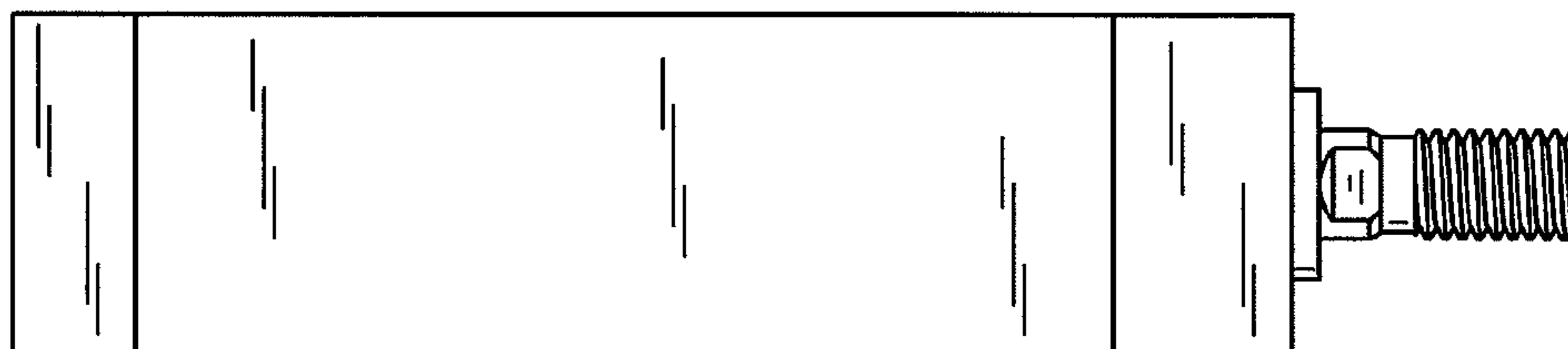


FIG. 11

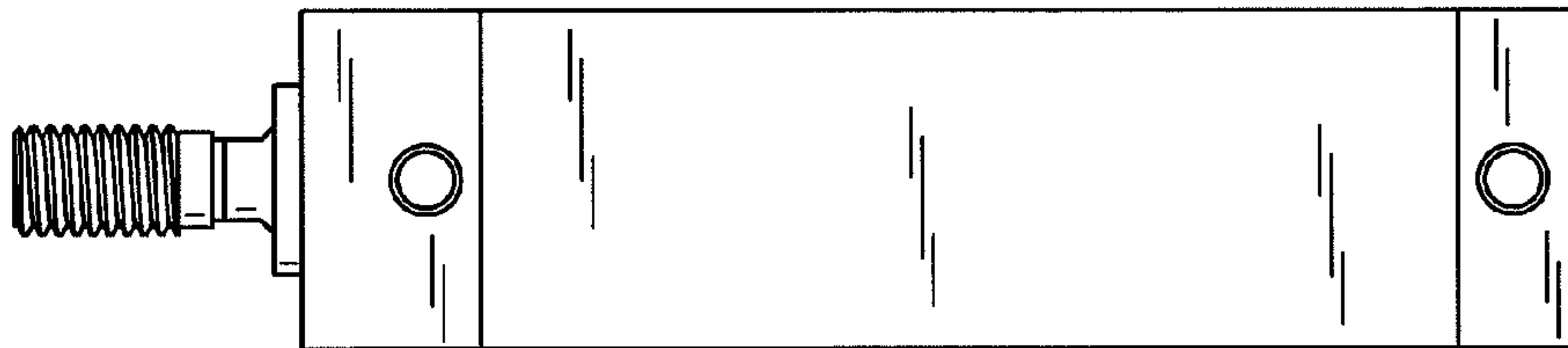


FIG. 12

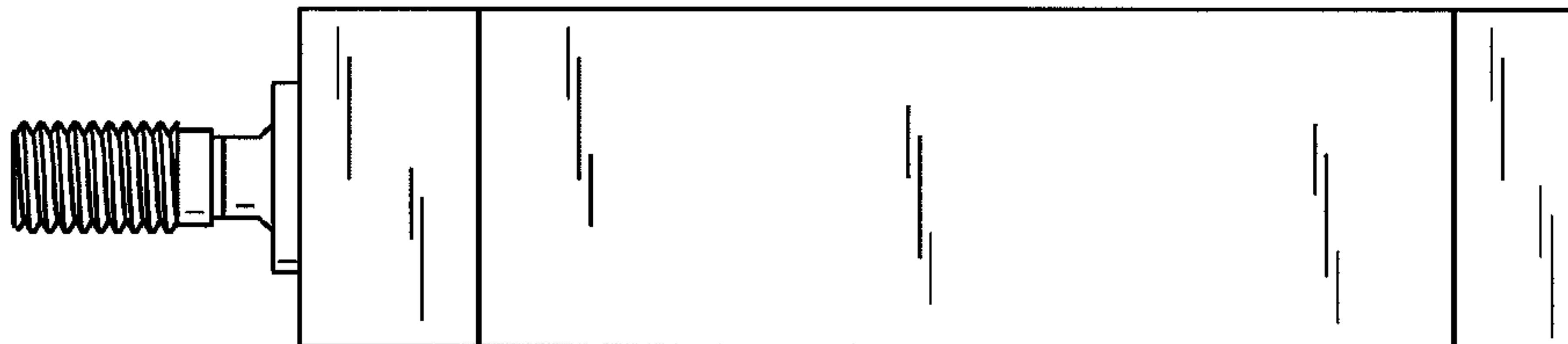


FIG. 13

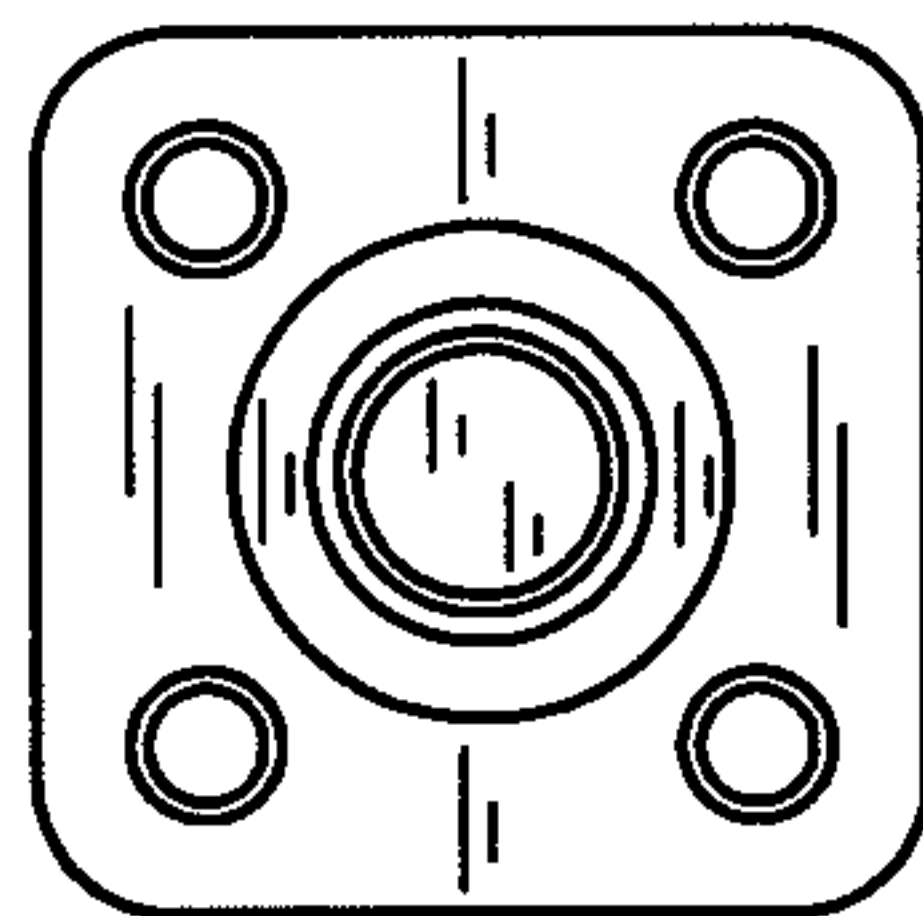


FIG. 14

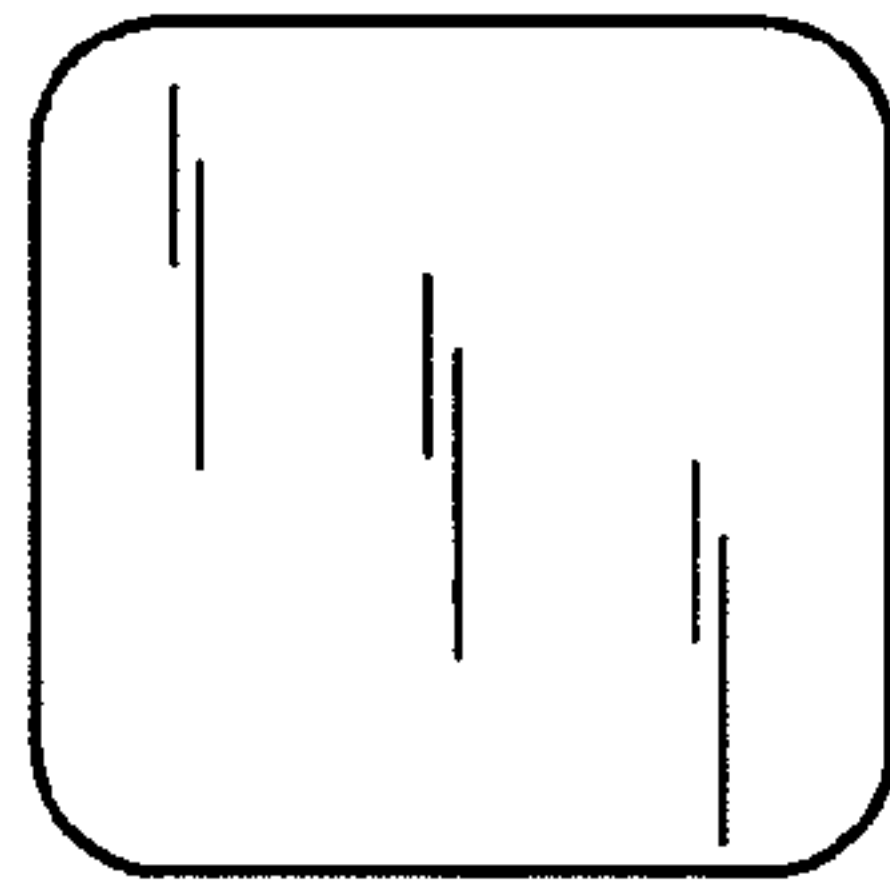


FIG. 15

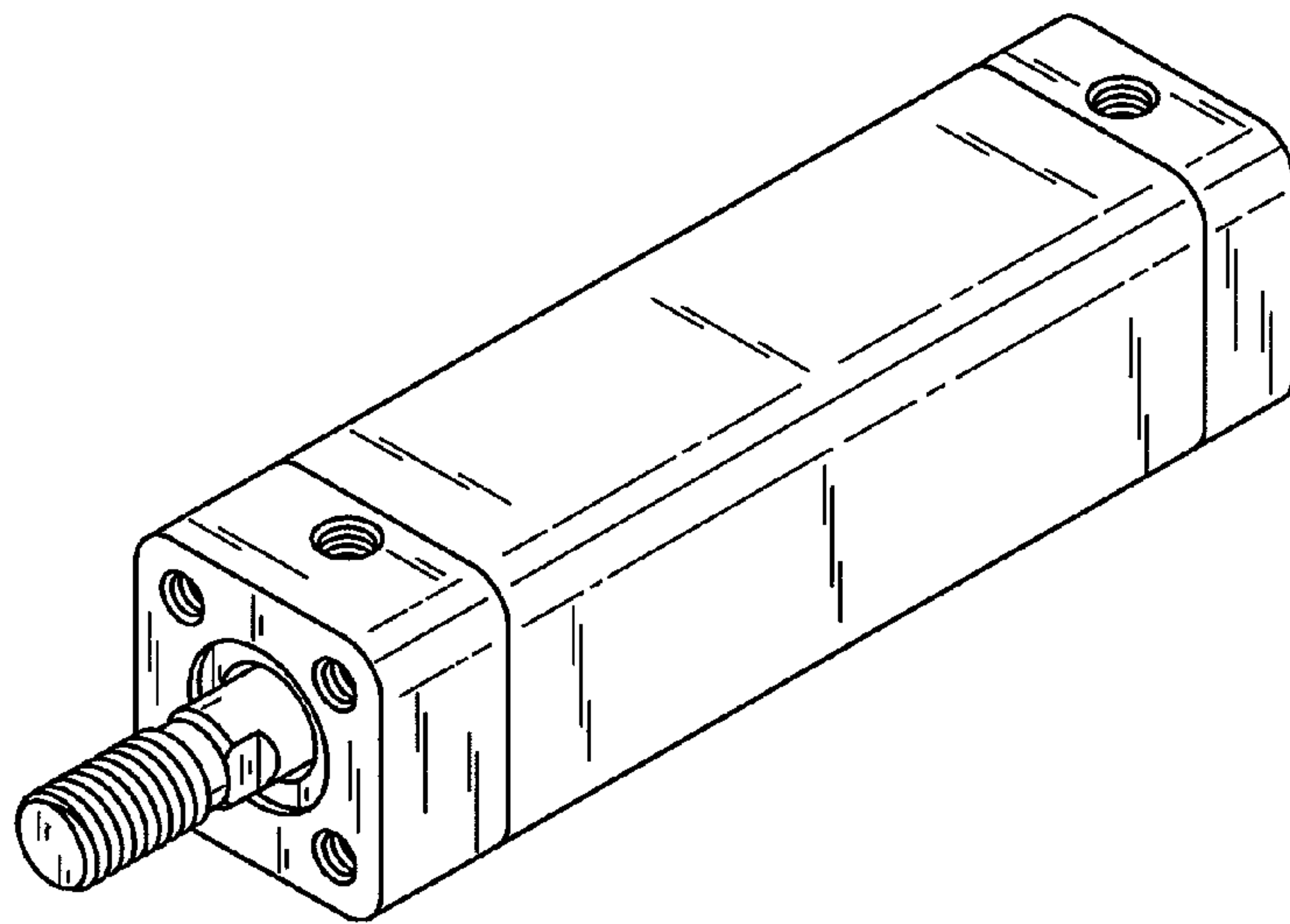


FIG. 16

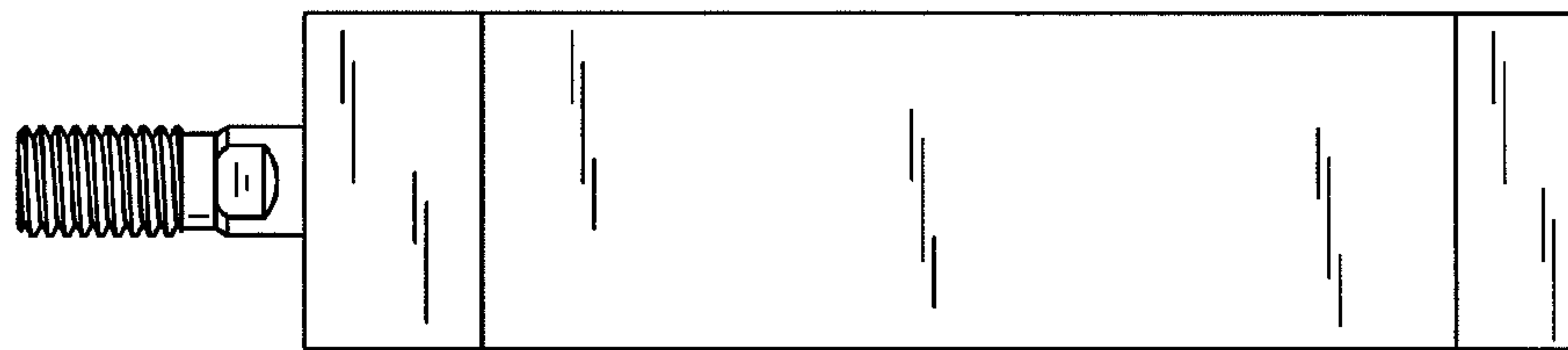


FIG. 17

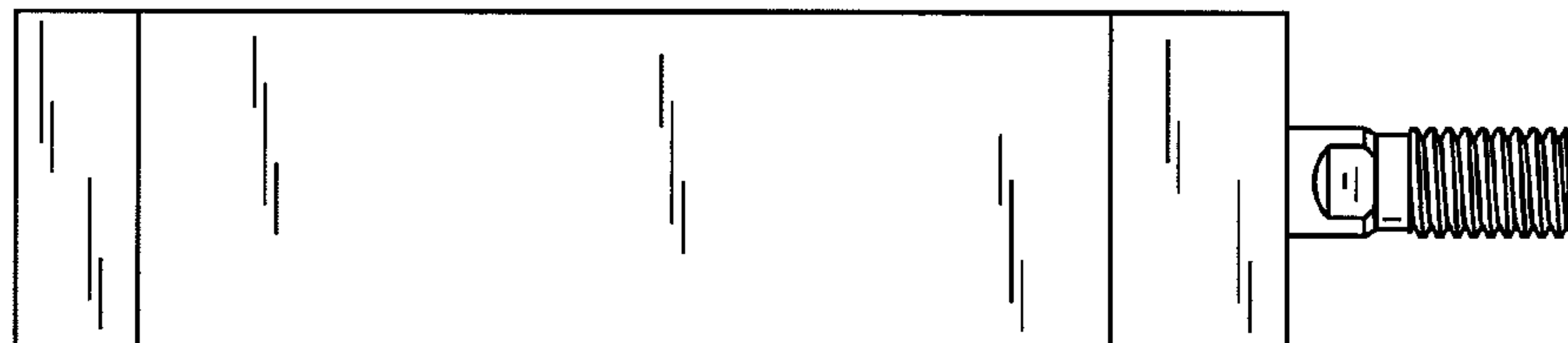


FIG. 18

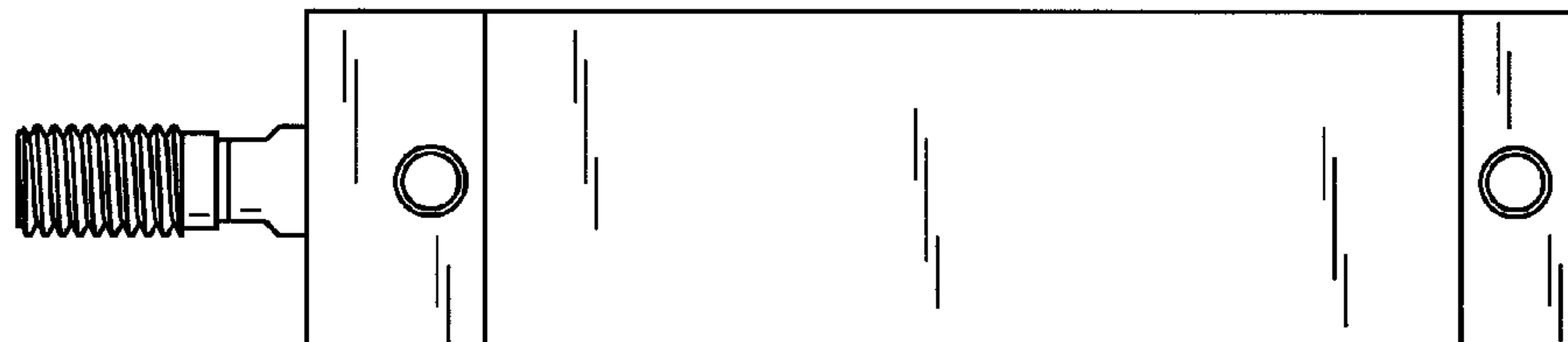


FIG. 19

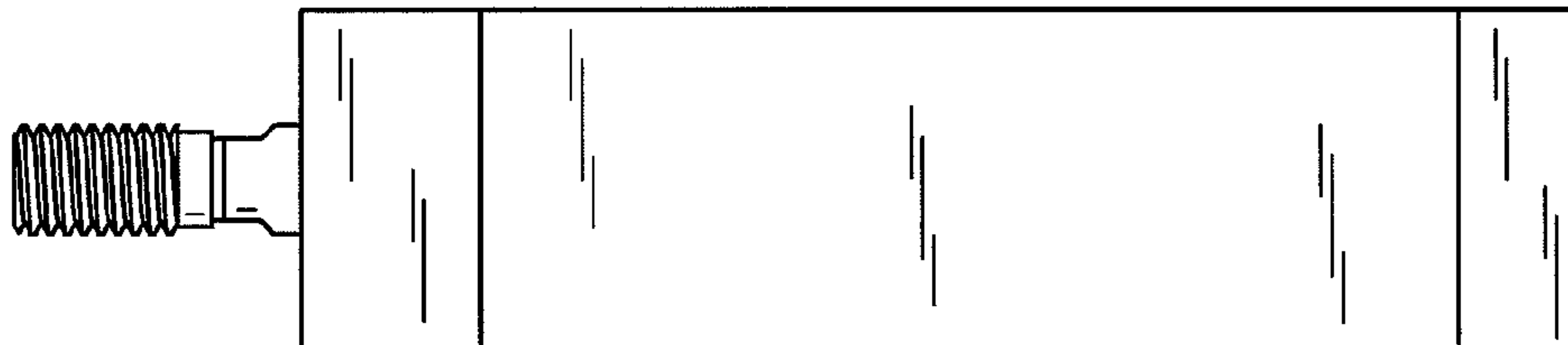


FIG. 20

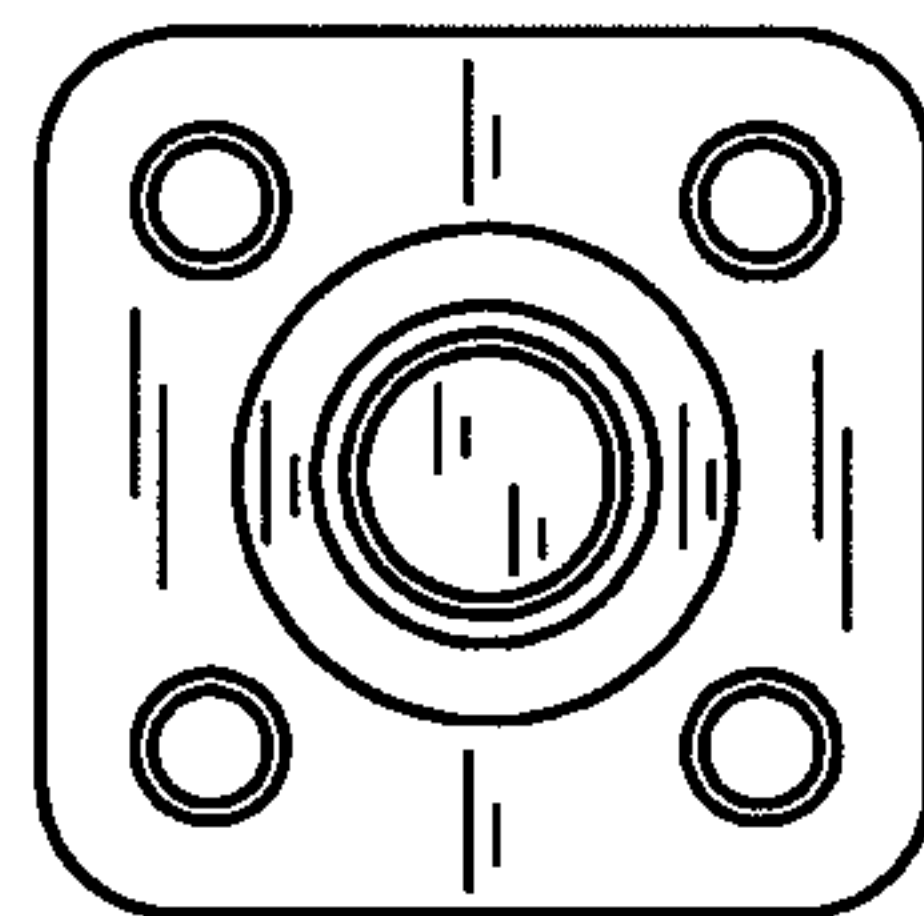


FIG. 21

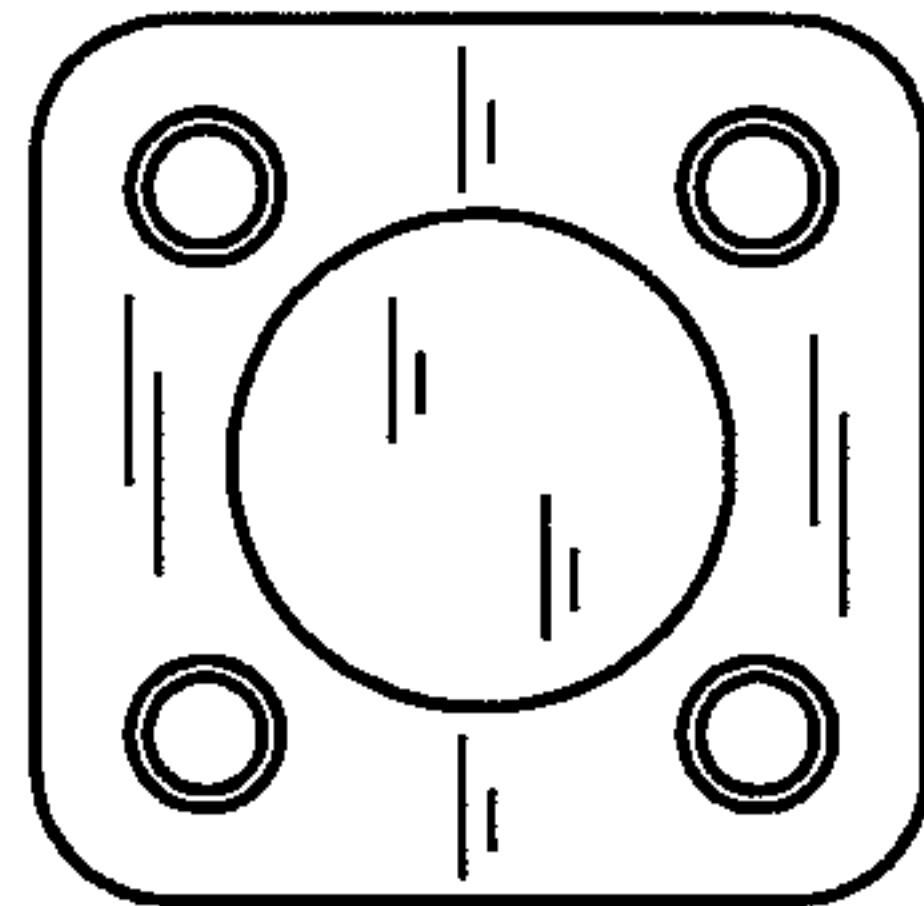


FIG. 22

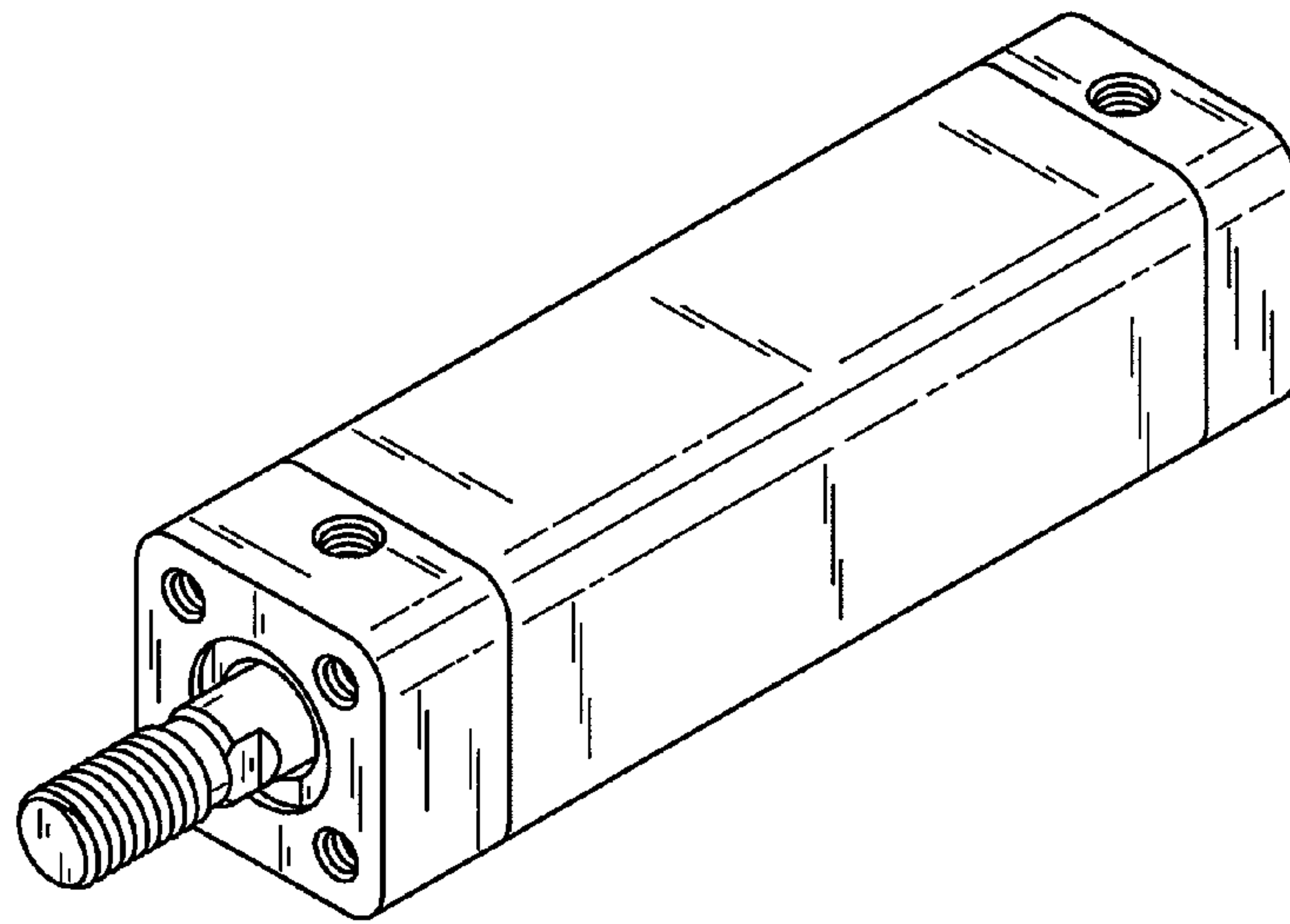


FIG. 23

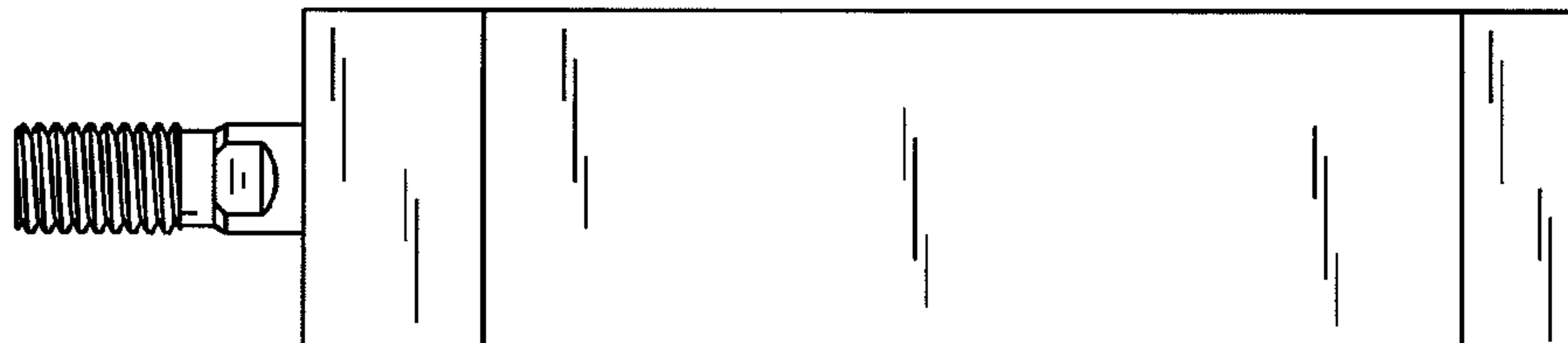


FIG. 24

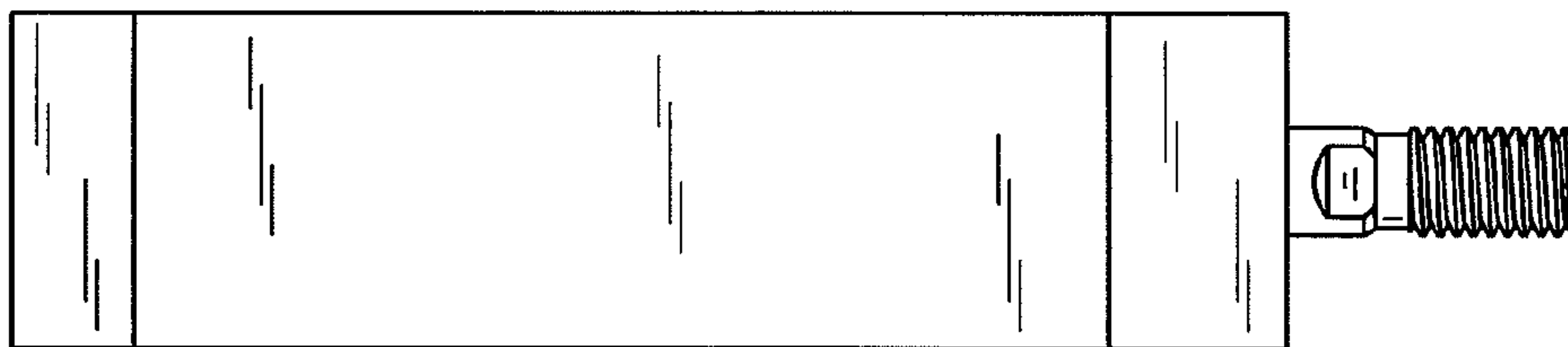


FIG. 25

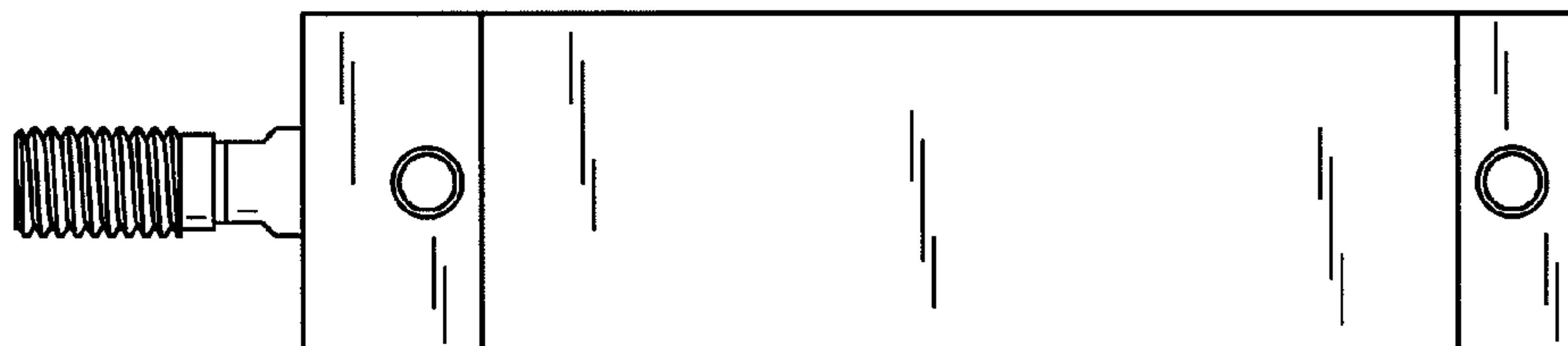


FIG. 26

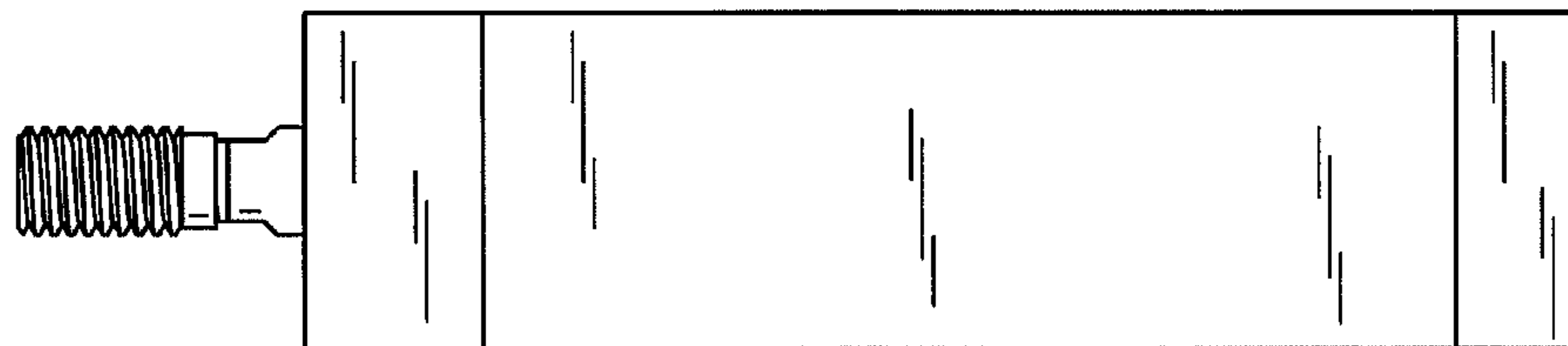


FIG. 27

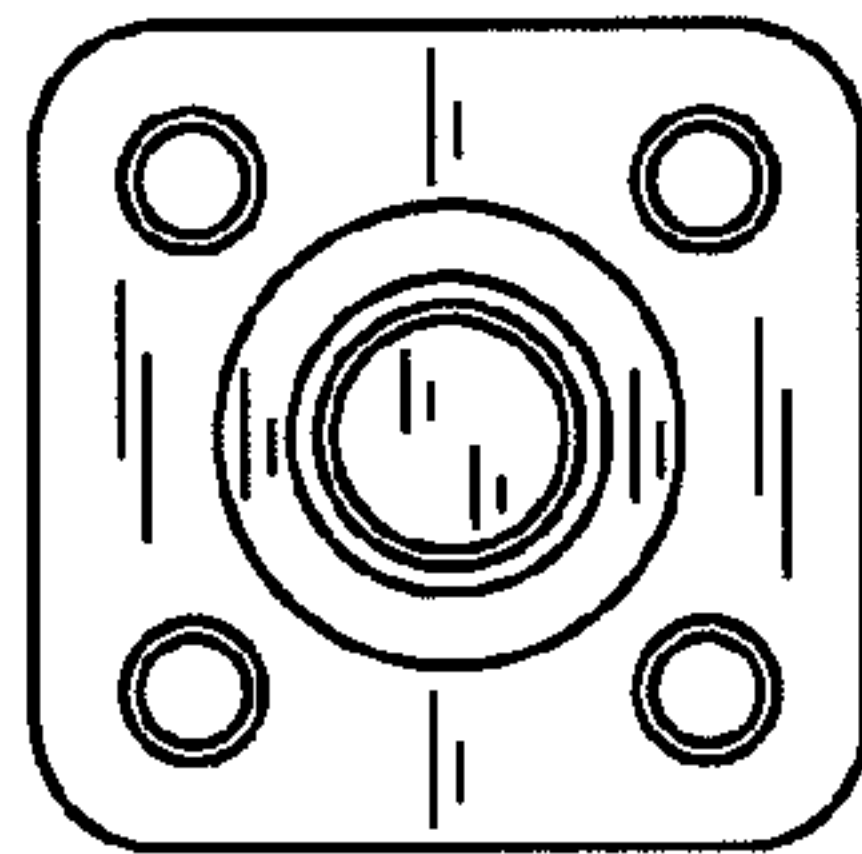


FIG. 28

