



US00D805560S

(12) **United States Design Patent** (10) **Patent No.:** **US D805,560 S**
Kudo et al. (45) **Date of Patent:** **** Dec. 19, 2017**

(54) **FLUID PRESSURE CYLINDER**
(71) Applicant: **SMC CORPORATION**, Tokyo (JP)
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Shinichiro Nemoto, Tsukubamirai (JP);
Yuu Mizutani, Tsukubamirai (JP); **Eiko Miyasato**, Tsukubamirai (JP);
Masahiko Kawakami, Tsukubamirai (JP); **Ken Tamura**, Tsukubamirai (JP)
(73) Assignee: **SMC CORPORATION**, Tokyo (JP)
(**) Term: **15 Years**
(21) Appl. No.: **29/577,928**
(22) Filed: **Sep. 16, 2016**
(30) **Foreign Application Priority Data**
Mar. 18, 2016 (CN) 2016 3 0078458
(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

(Continued)
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Primary Examiner — Ralf T 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 front, top and left side perspective view of a fluid pressure cylinder showing a first embodiment of our design; FIG. 2 is a rear, bottom and right side perspective view thereof; FIG. 3 is a front view thereof; FIG. 4 is a rear view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a left side view thereof; FIG. 8 is a right side view thereof; FIG. 9 is a front, top left side perspective view of a fluid pressure cylinder showing a second embodiment of our new design; FIG. 11 is a rear, bottom and right side perspective view of FIG. 9; FIG. 12 is front view of FIG. 9; FIG. 13 is a rear view of FIG. 9; FIG. 14 is a top plan view of FIG. 9; FIG. 15 is a bottom plan view of FIG. 9; FIG. 16 is a left side view of FIG. 9; FIG. 17 is a front, top and left side perspective view of a fluid pressure cylinder showing a third embodiment of our new design; FIG. 18 is a rear, bottom and right side perspective view of FIG. 17; FIG. 19 is a front view of FIG. 17; FIG. 20 is a rear view of FIG. 17; FIG. 21 is a top plan view of FIG. 17; FIG. 22 is a bottom plan view of FIG. 17; FIG. 23 is a left side view of FIG. 17; FIG. 24 is a right side view of FIG. 17; FIG. 25 is a front, top and left side perspective view of a fluid pressure cylinder showing a fourth embodiment of our new design;

(Continued)

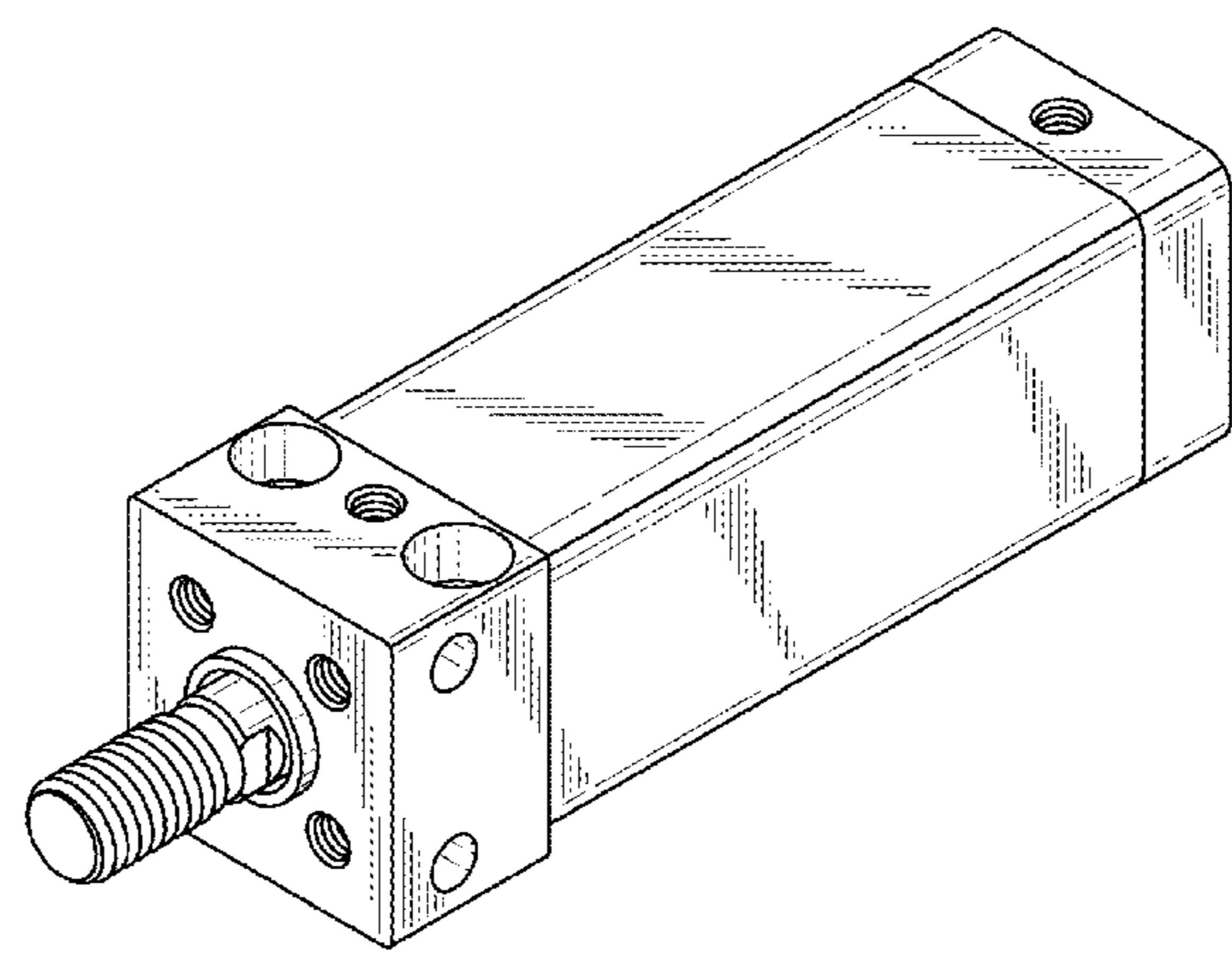


FIG. 26 is a rear, bottom and right side perspective view of FIG. 25;
 FIG. 27 is a front view of FIG. 25;
 FIG. 28 is a rear view of FIG. 25;
 FIG. 29 is a top plan view of FIG. 25;
 FIG. 30 is a bottom plan view of FIG. 25;
 FIG. 31 is a left side view of FIG. 25;
 FIG. 32 is a right side view of FIG. 25;
 FIG. 33 is a front, top and left side perspective view of a fluid pressure cylinder showing a fifth embodiment of our new design;
 FIG. 34 is a rear, bottom and right side perspective view of FIG. 33;
 FIG. 35 is a front view of FIG. 33;
 FIG. 36 is a rear view of FIG. 33;
 FIG. 37 is a top plan view of FIG. 33;
 FIG. 38 is a bottom plan view of FIG. 33;
 FIG. 39 is a left side view of FIG. 33;
 FIG. 40 is a right side view of FIG. 33;
 FIG. 41 is a front, top and left side perspective view of a fluid pressure cylinder showing a sixth embodiment of our new design;
 FIG. 42 is a rear, bottom and right side perspective view of FIG. 41;
 FIG. 43 is a front view of FIG. 41;
 FIG. 44 is a rear view of FIG. 41;
 FIG. 45 is a top plan view of FIG. 41;
 FIG. 46 is a bottom plan view of FIG. 41;

FIG. 47 is a left side view of FIG. 41; and,
 FIG. 48 is a right side view of FIG. 41.

1 Claim, 48 Drawing Sheets

(58) **Field of Classification Search**
 CPC F02M 37/04; F02M 31/14; F04D 29/4286
 See application file for complete search history.

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D669,098	S	*	10/2012	Hariwara	D15/7
D699,759	S	*	2/2014	Peschel	D15/7
D699,760	S	*	2/2014	Peschel	D15/7
D699,761	S	*	2/2014	Peschel	D15/7
D757,120	S	*	5/2016	Kudo	D15/7
D760,805	S	*	7/2016	Monden	D15/7
D772,302	S	*	11/2016	Kudo	D15/7
D780,228	S	*	2/2017	Kudo	D15/7
D780,229	S	*	2/2017	Kudo	D15/7

* cited by examiner

FIG. 1

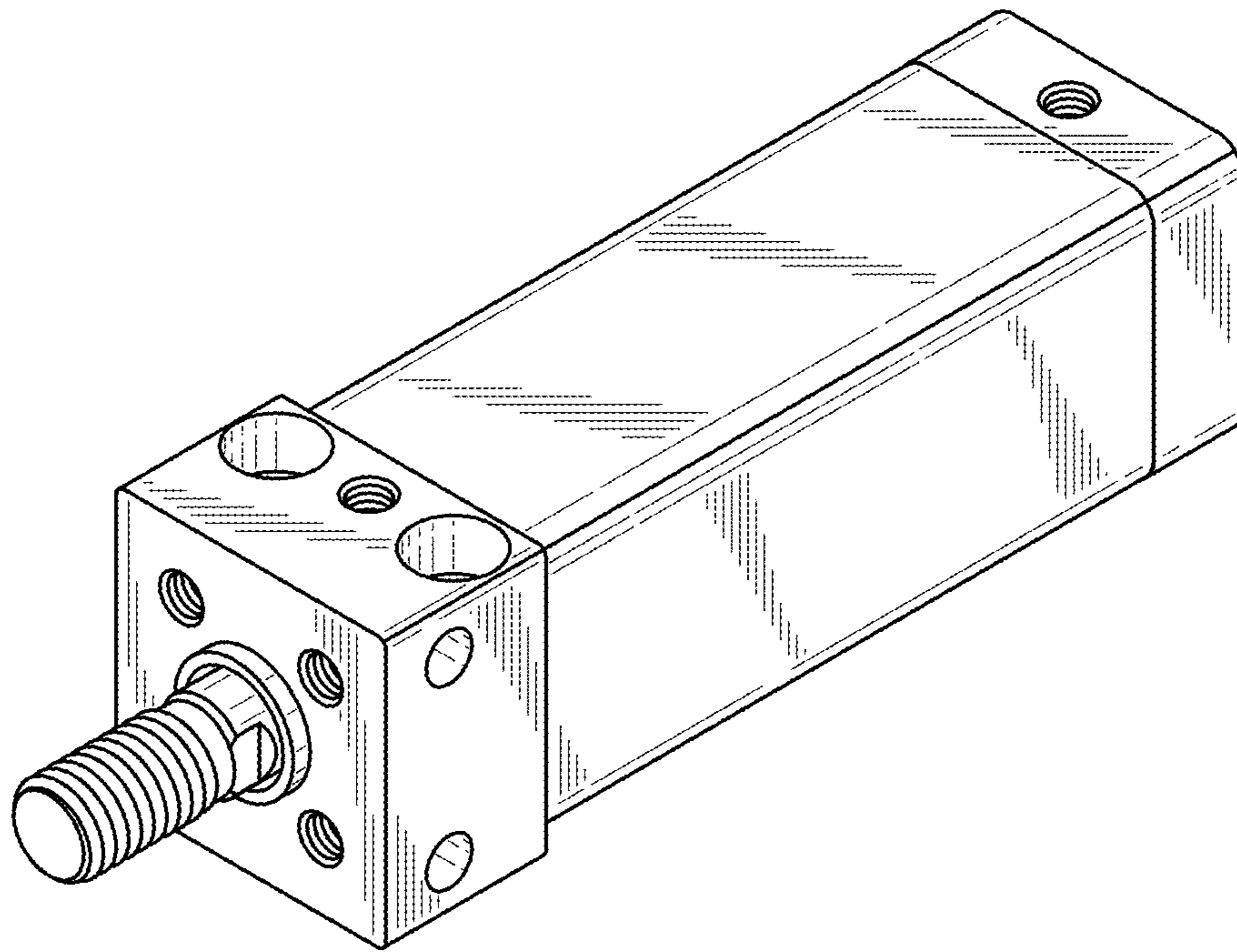


FIG. 2

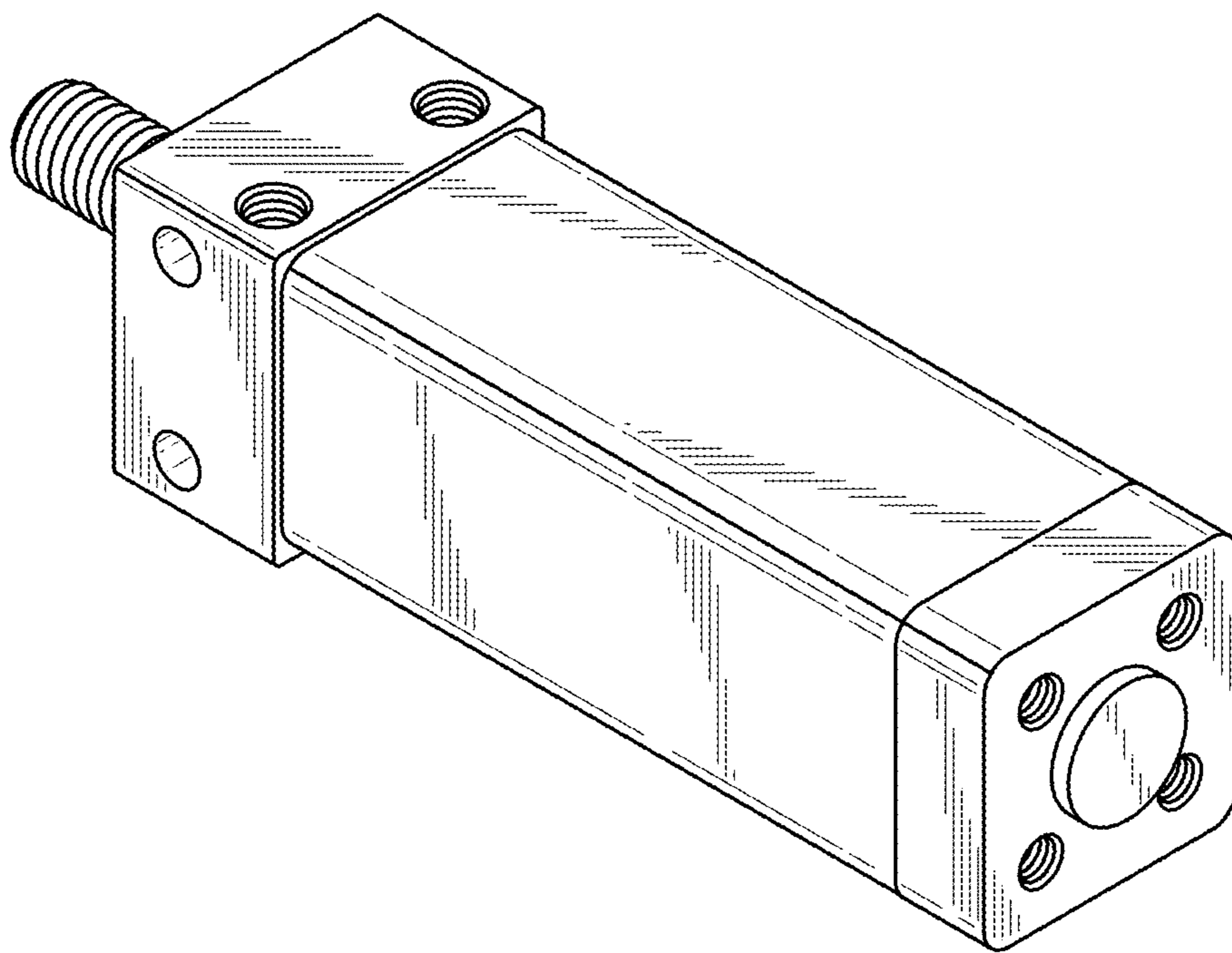


FIG. 3

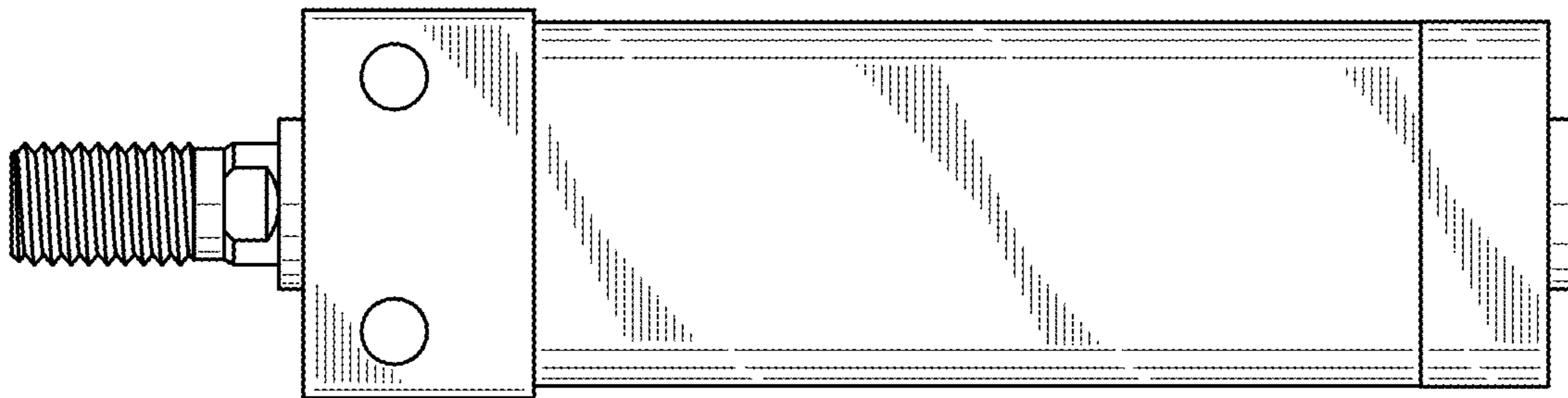


FIG. 4

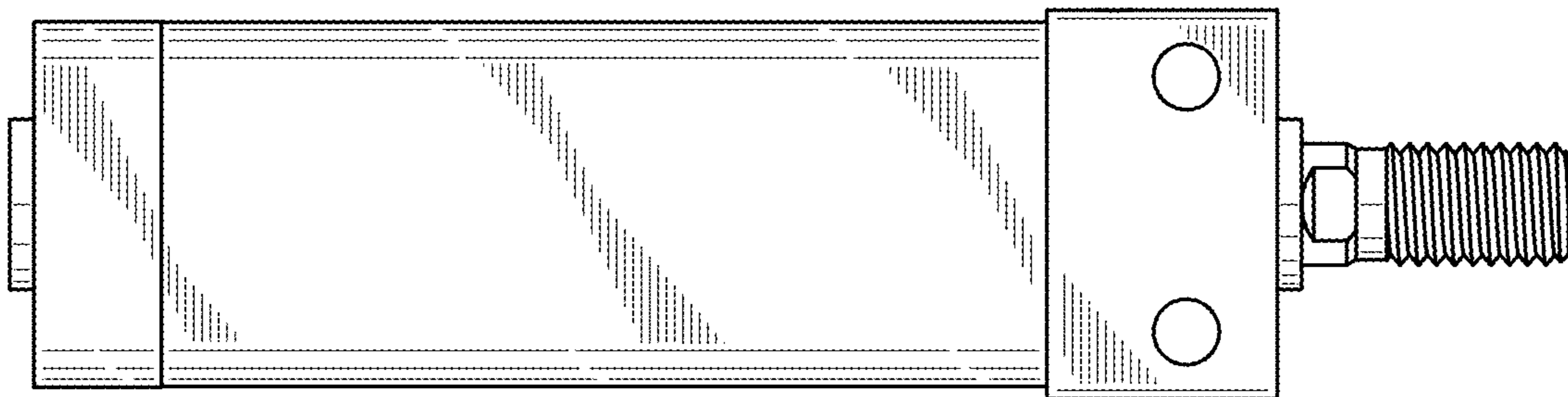


FIG. 5

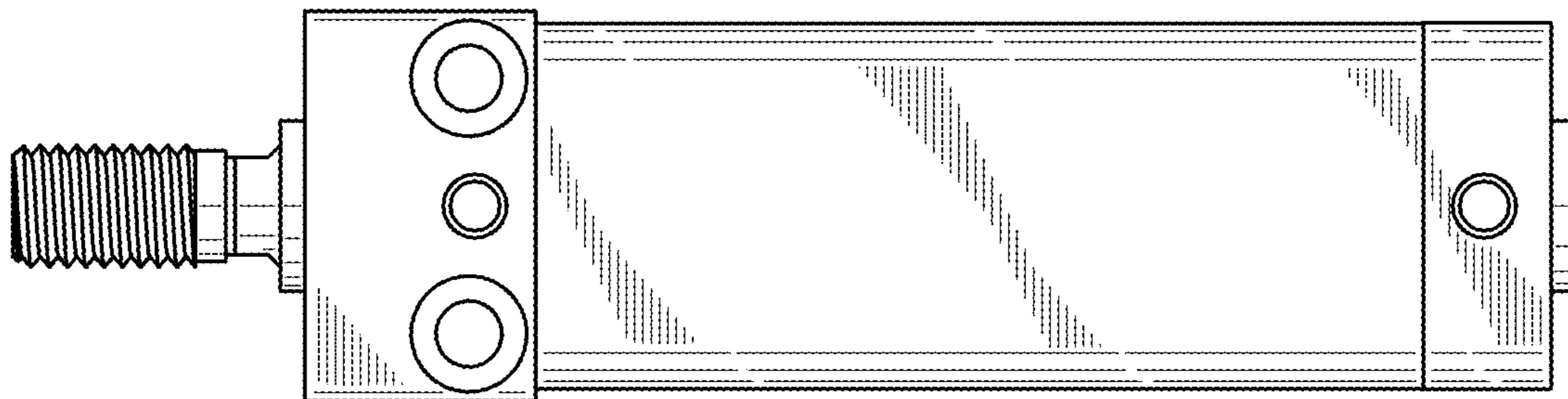


FIG. 6

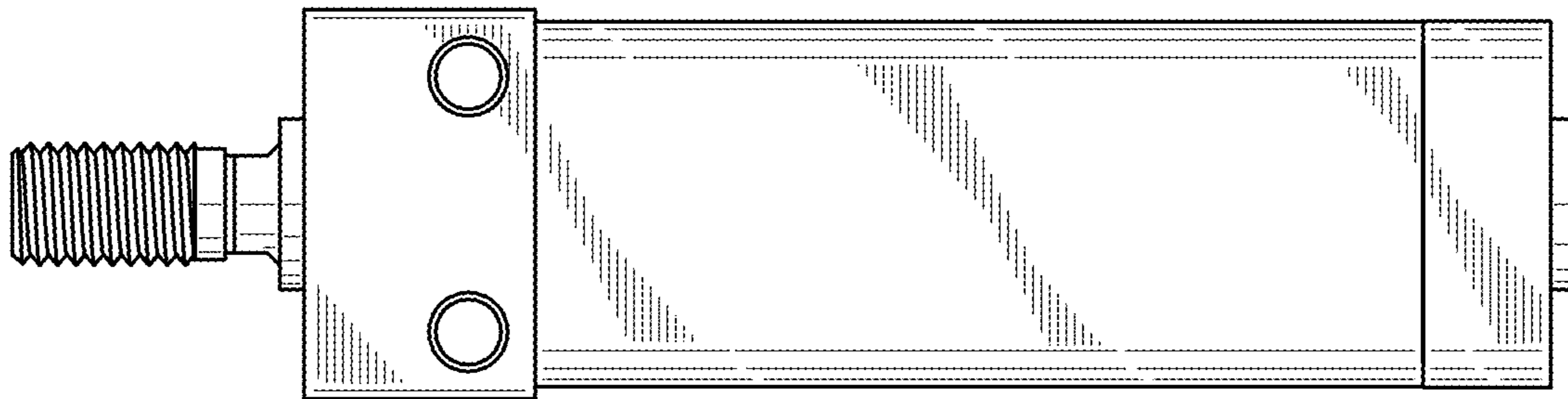


FIG. 7

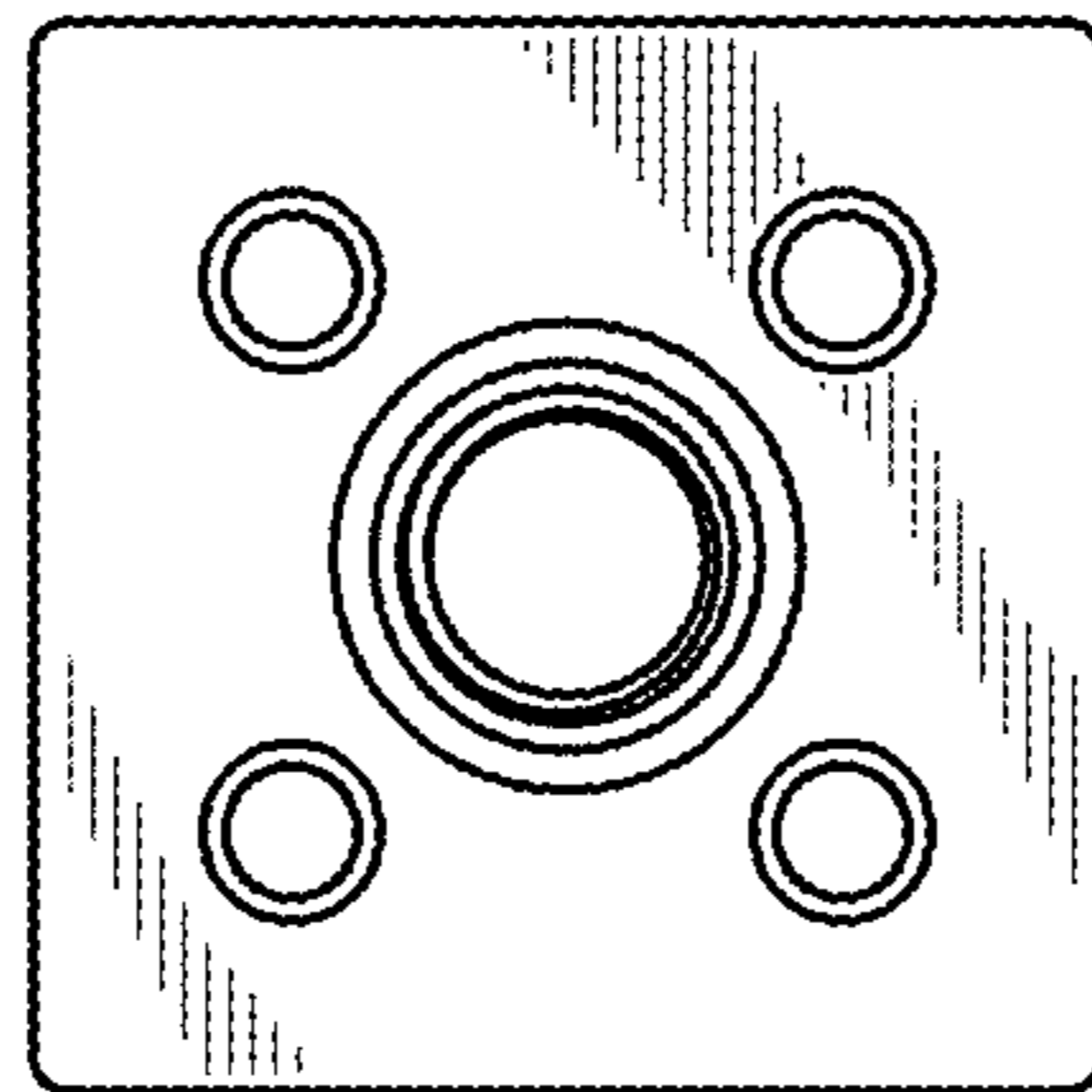


FIG. 8

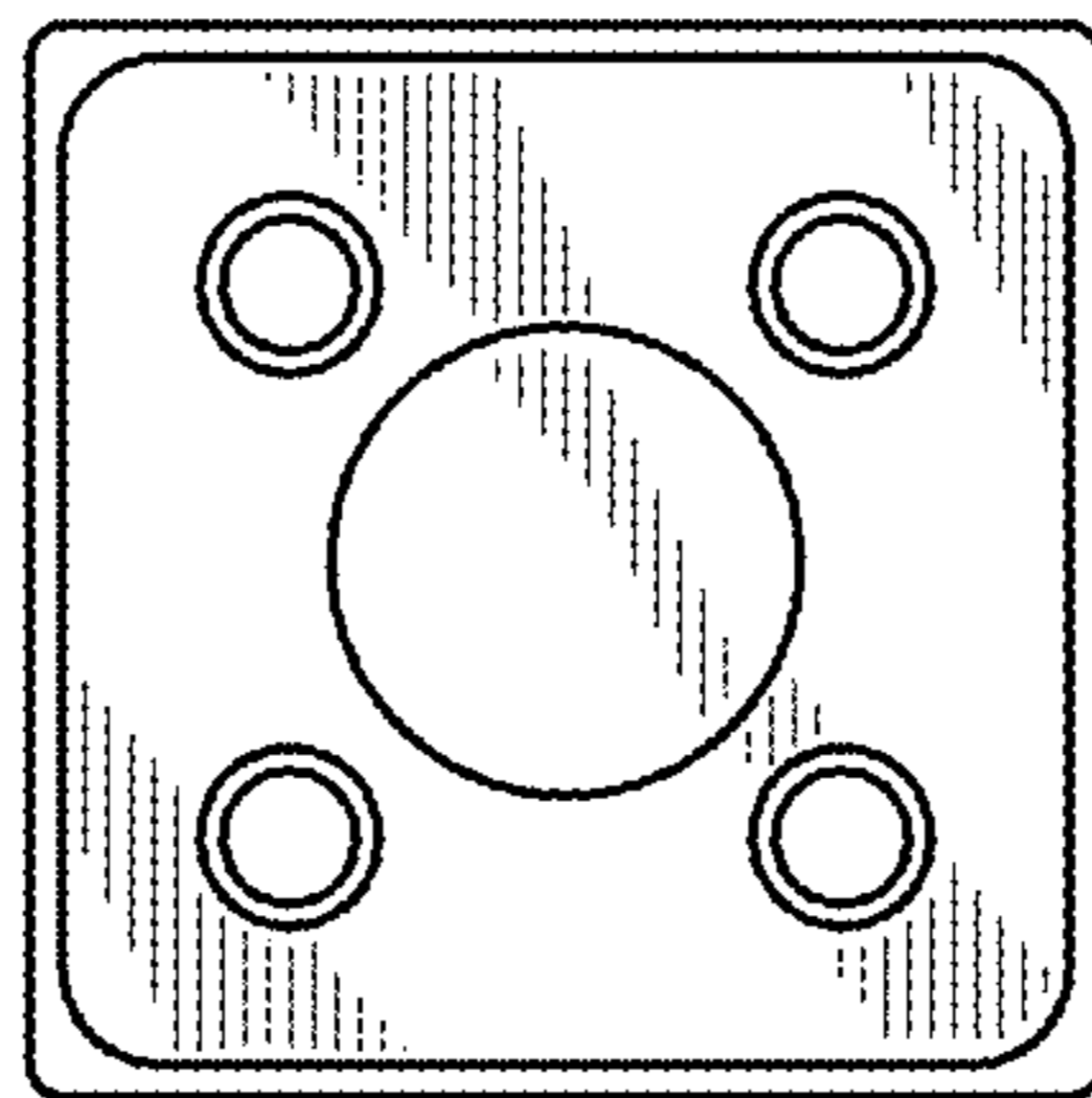


FIG. 9

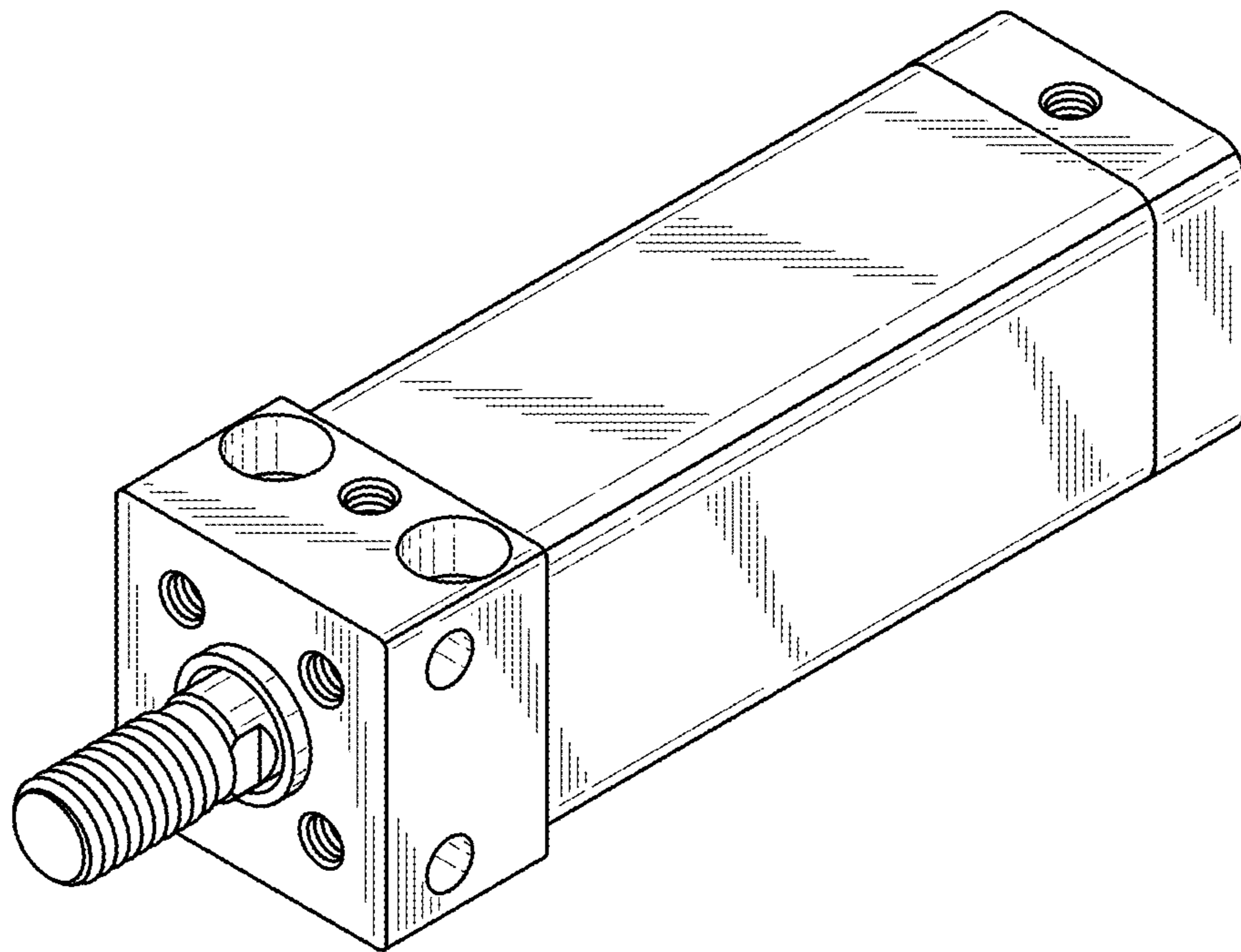


FIG. 10

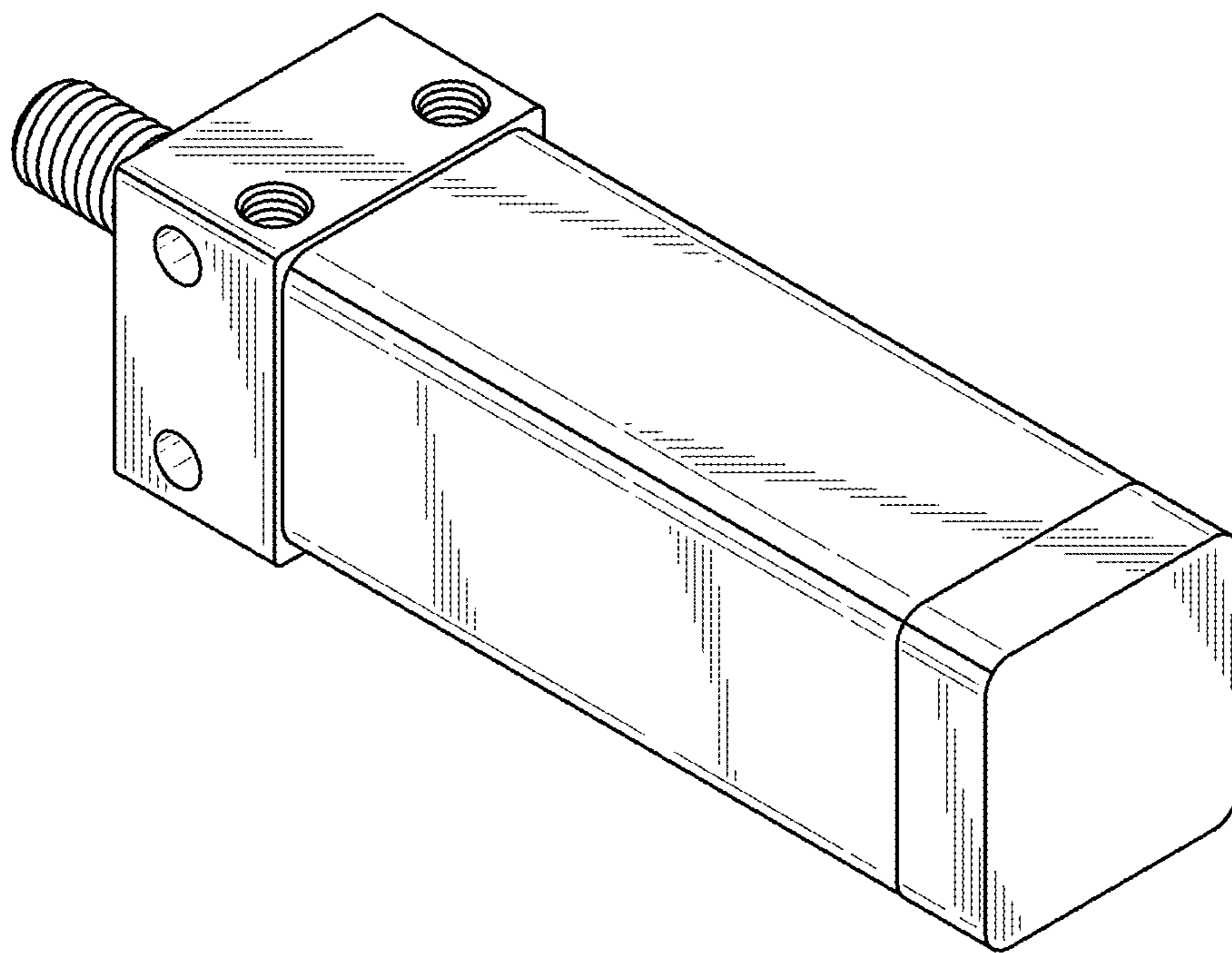


FIG. 11

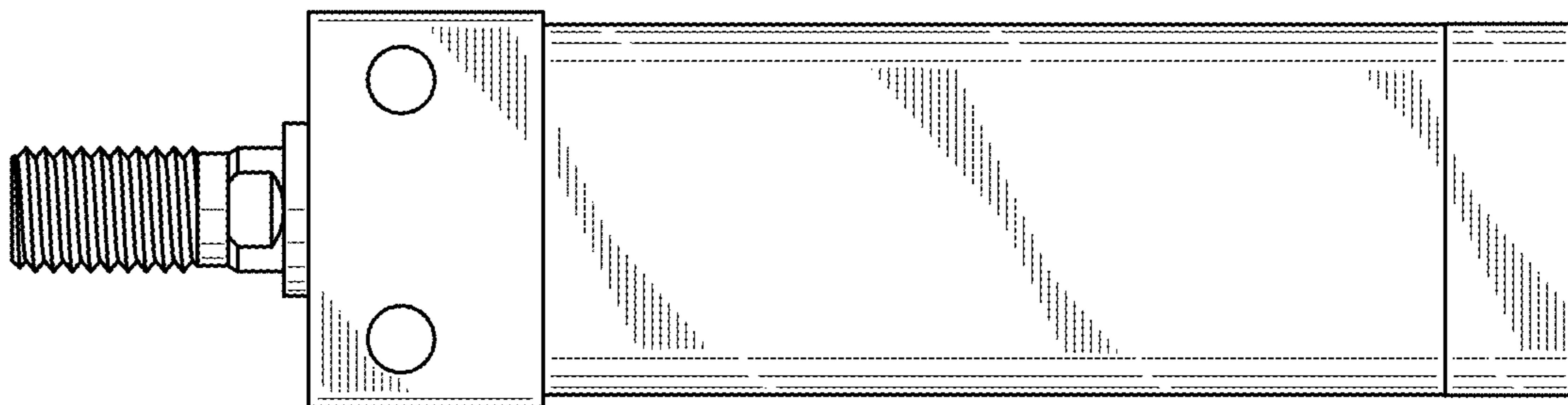


FIG. 12

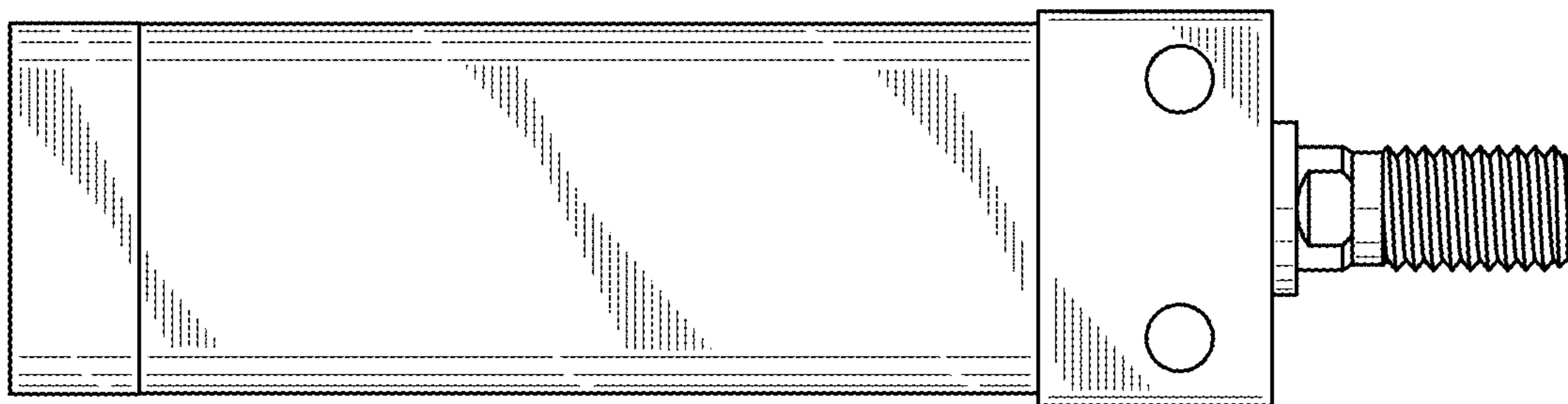


FIG. 13

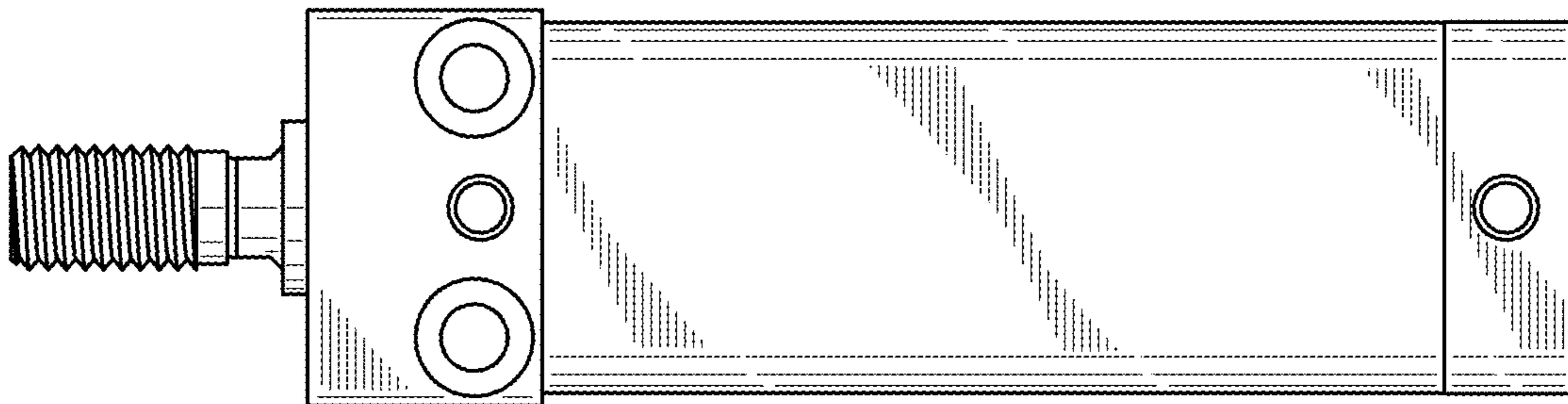


FIG. 14

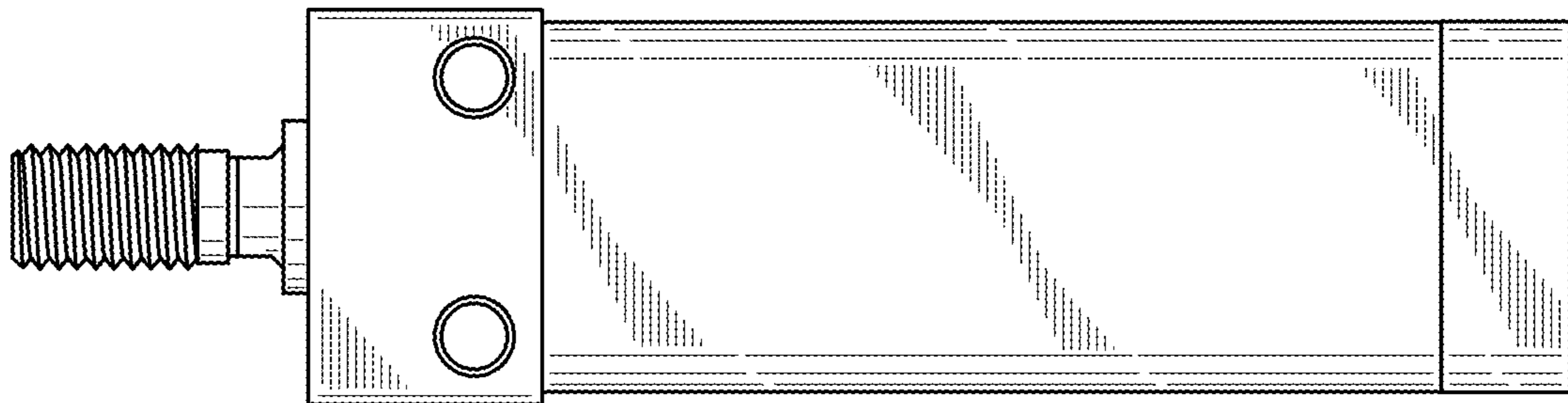


FIG. 15

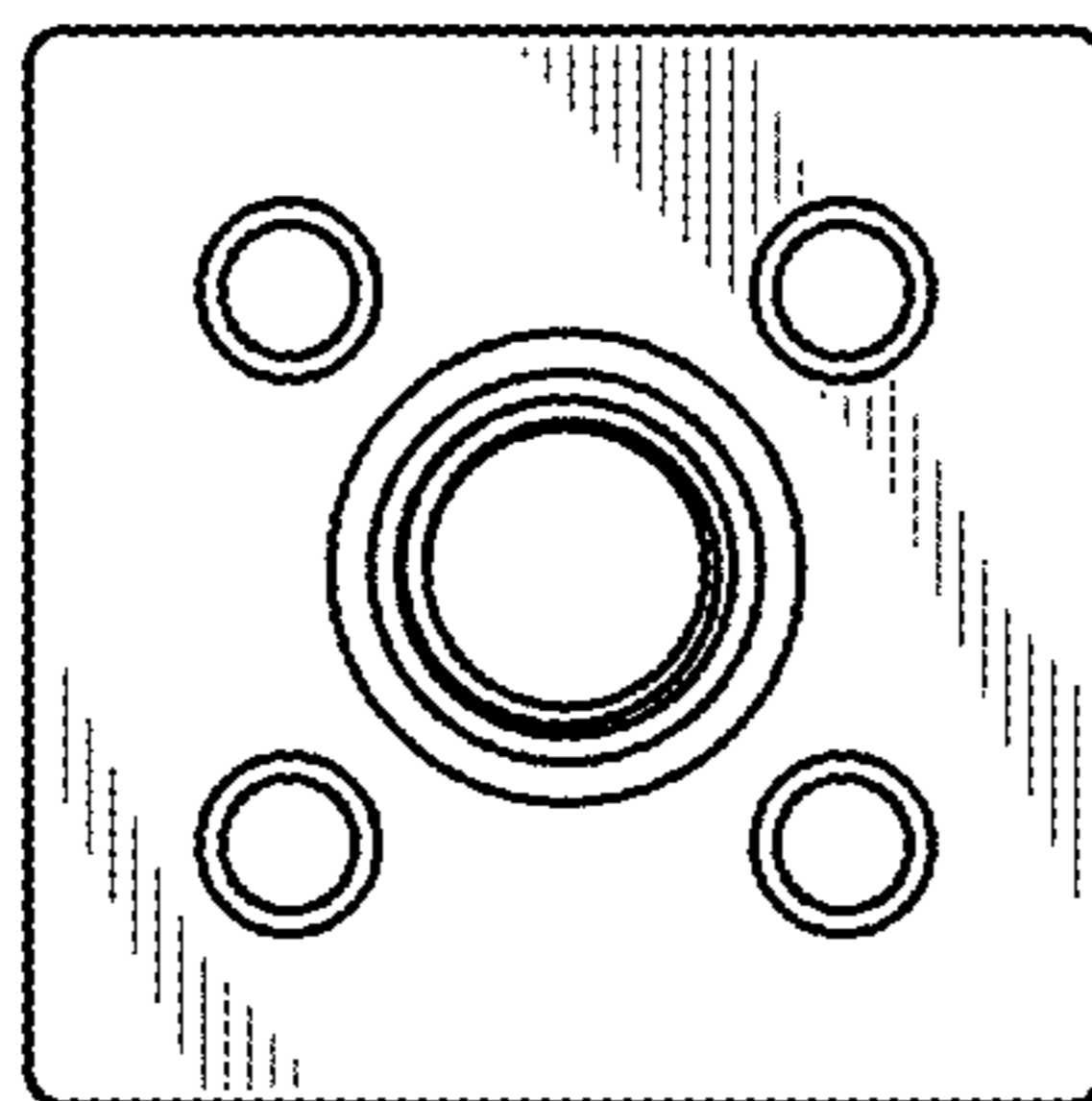


FIG. 16

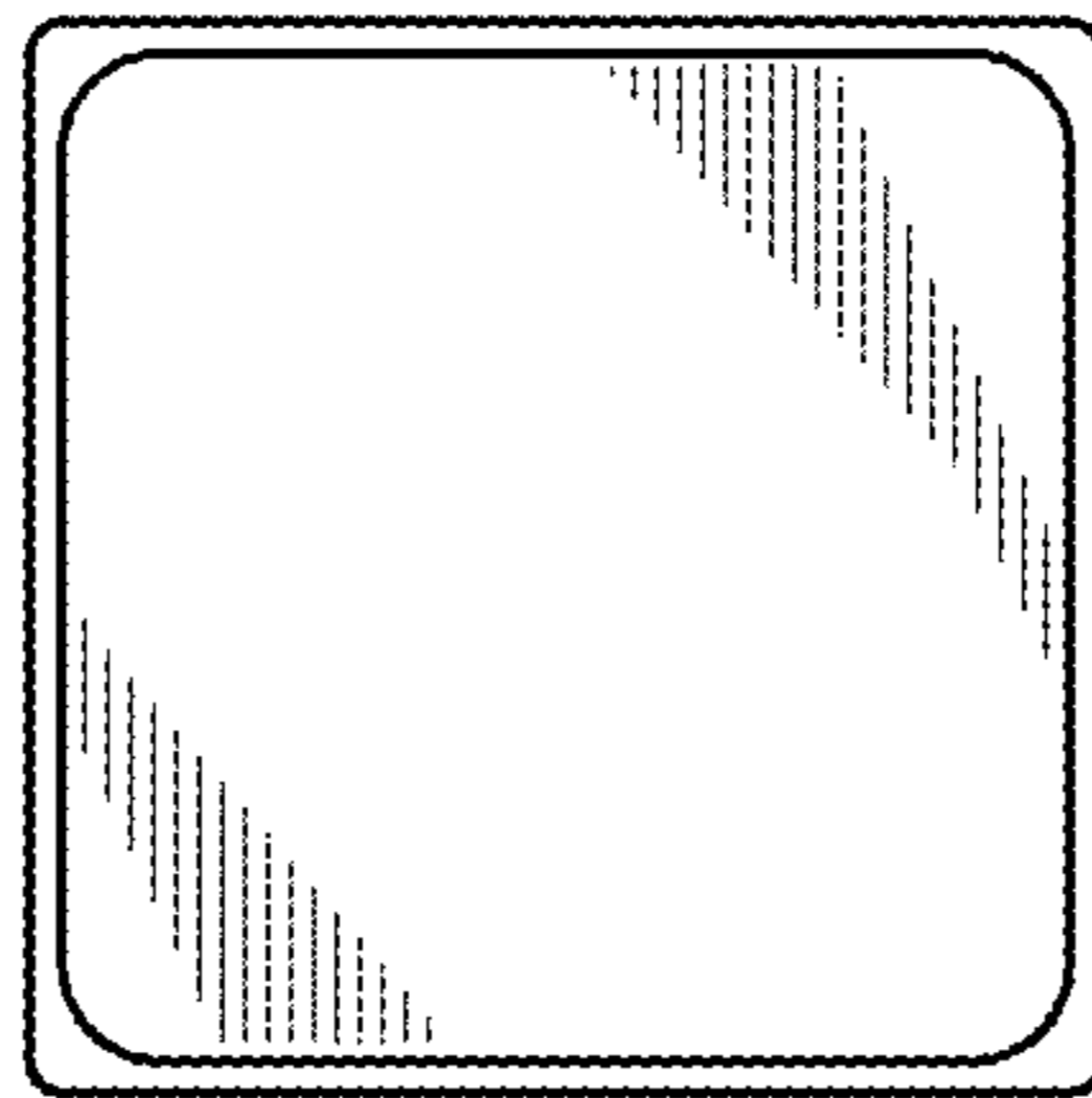


FIG. 17

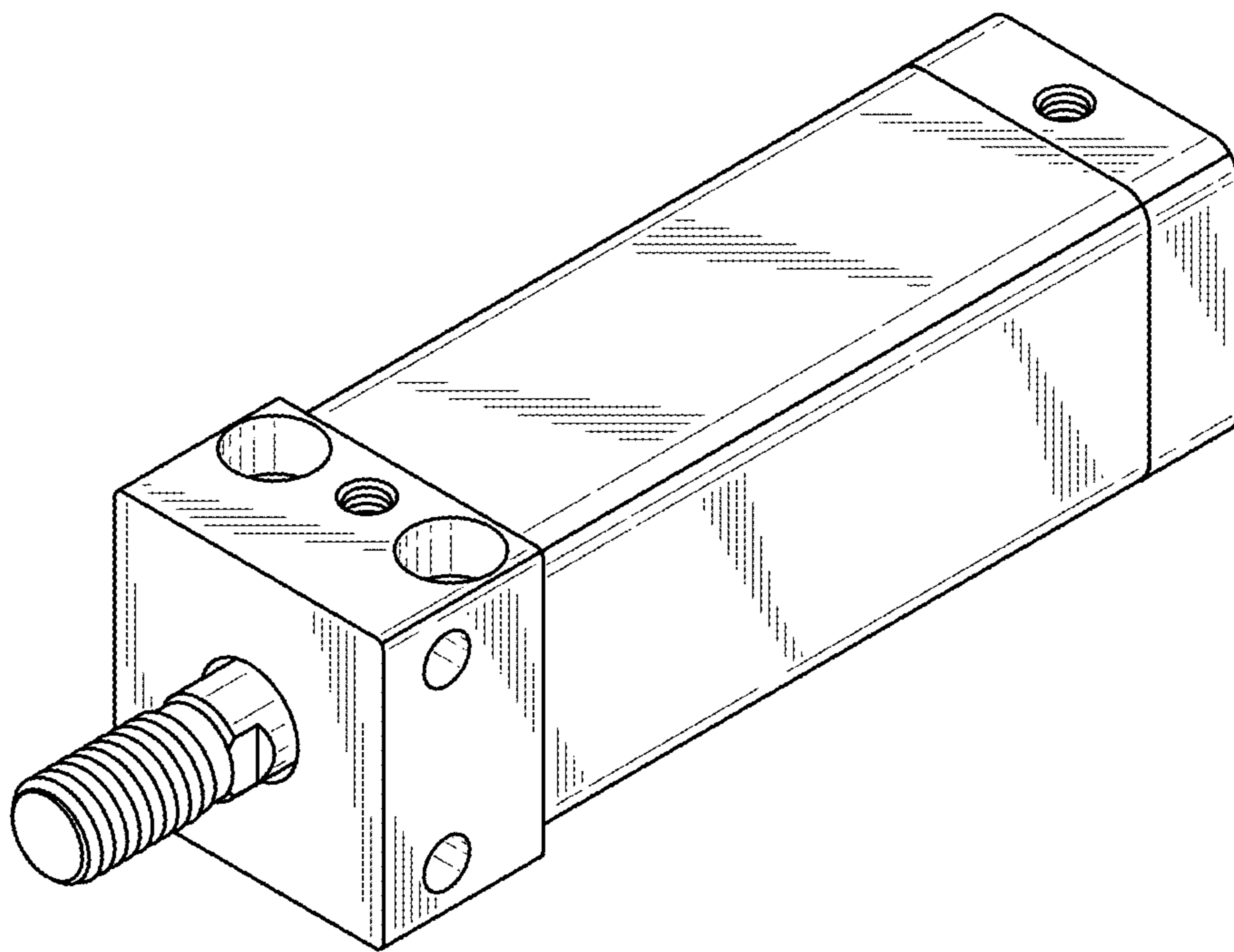


FIG. 18

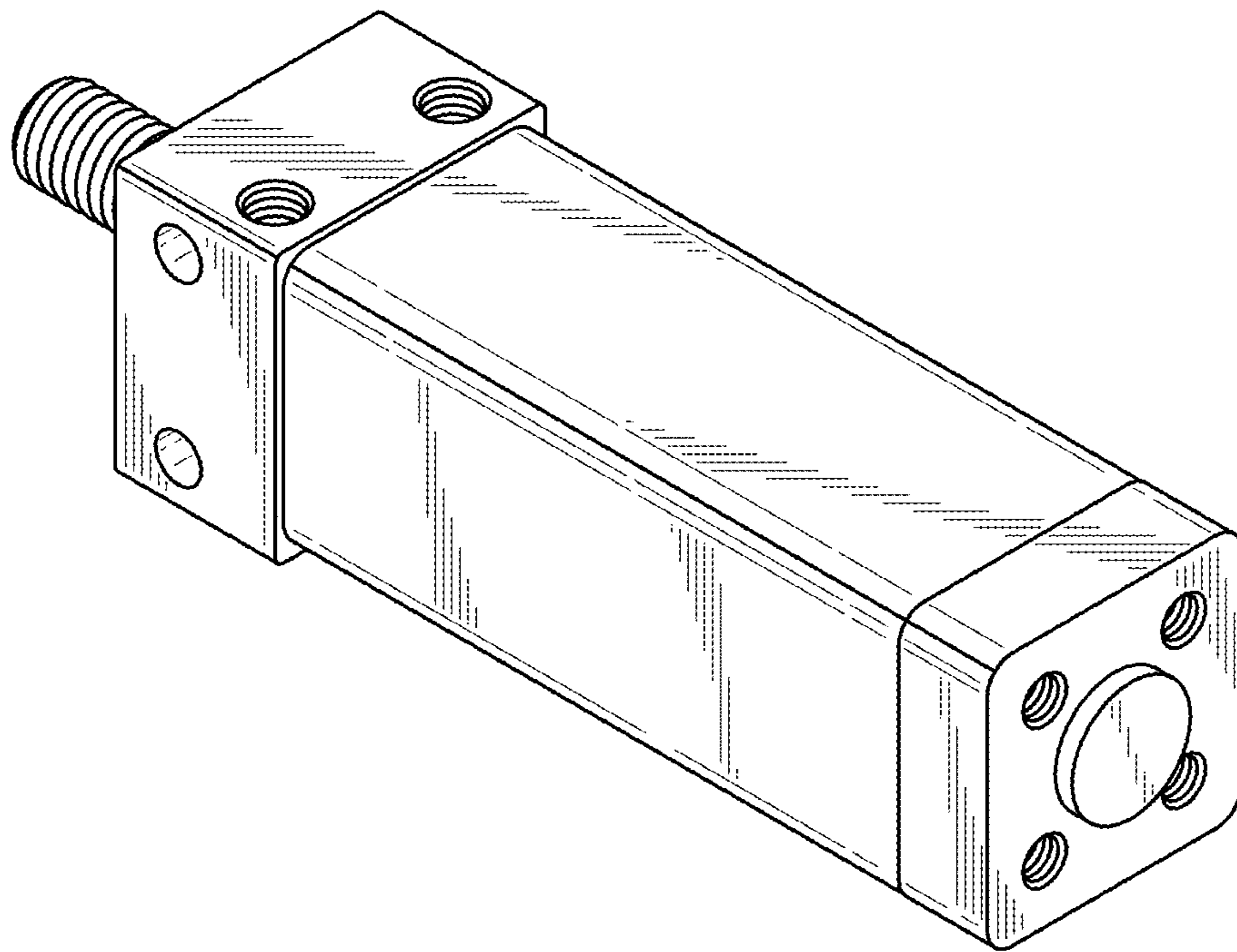


FIG. 19

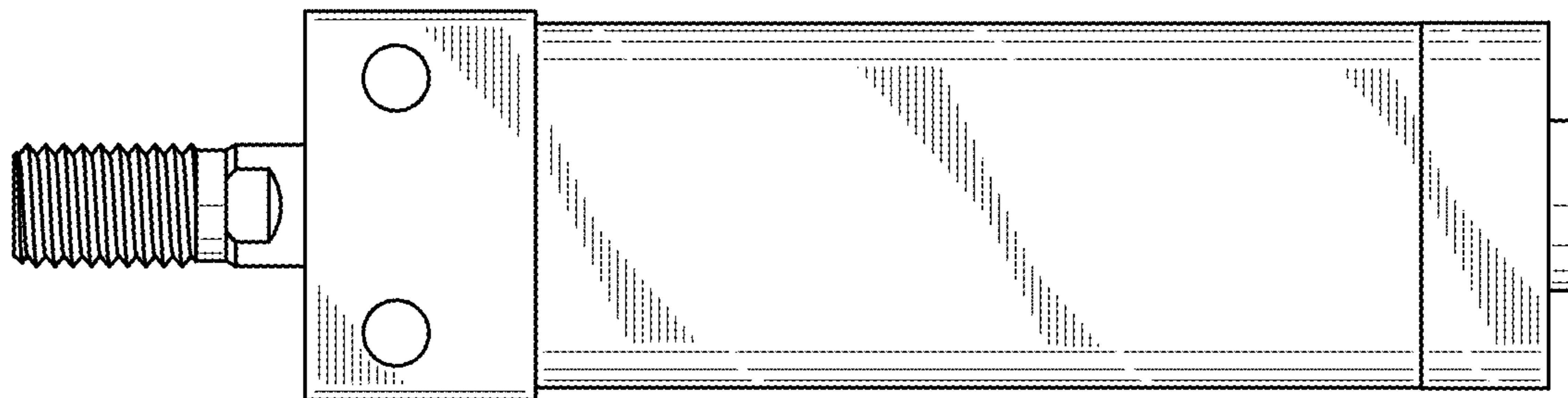


FIG. 20

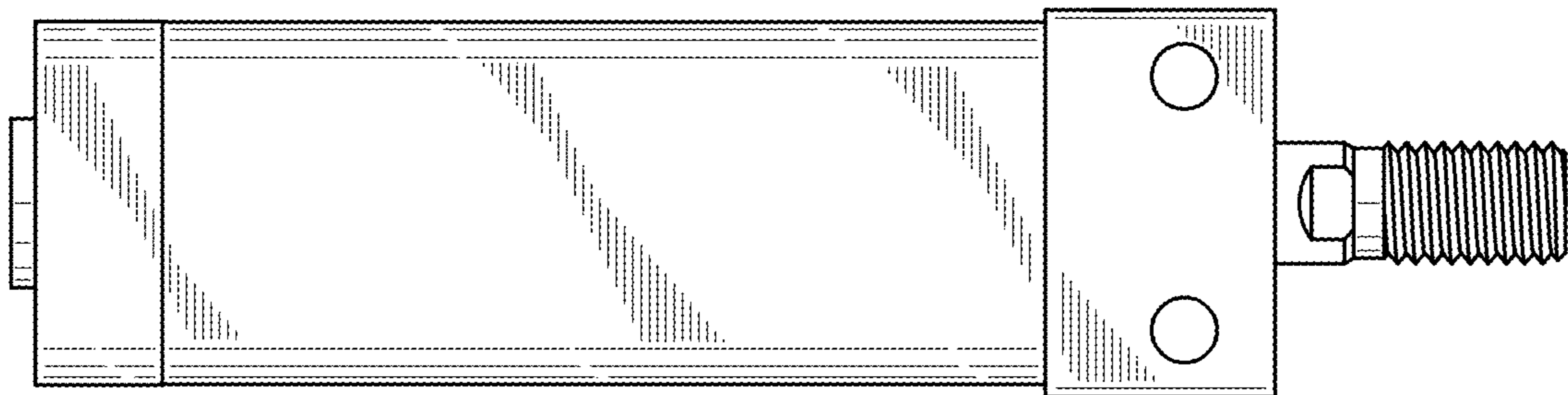


FIG. 21

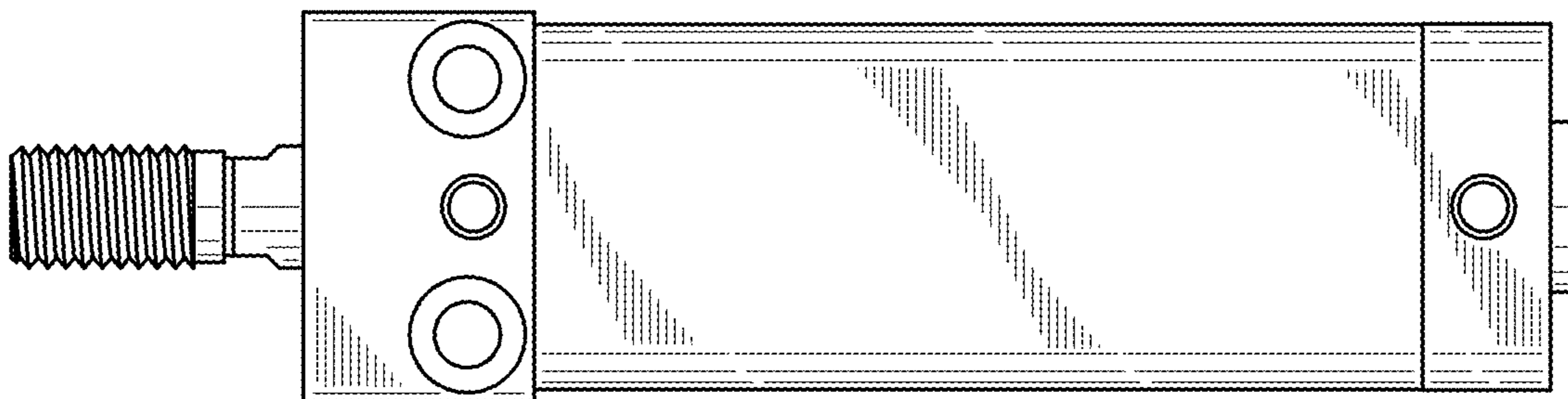


FIG. 22

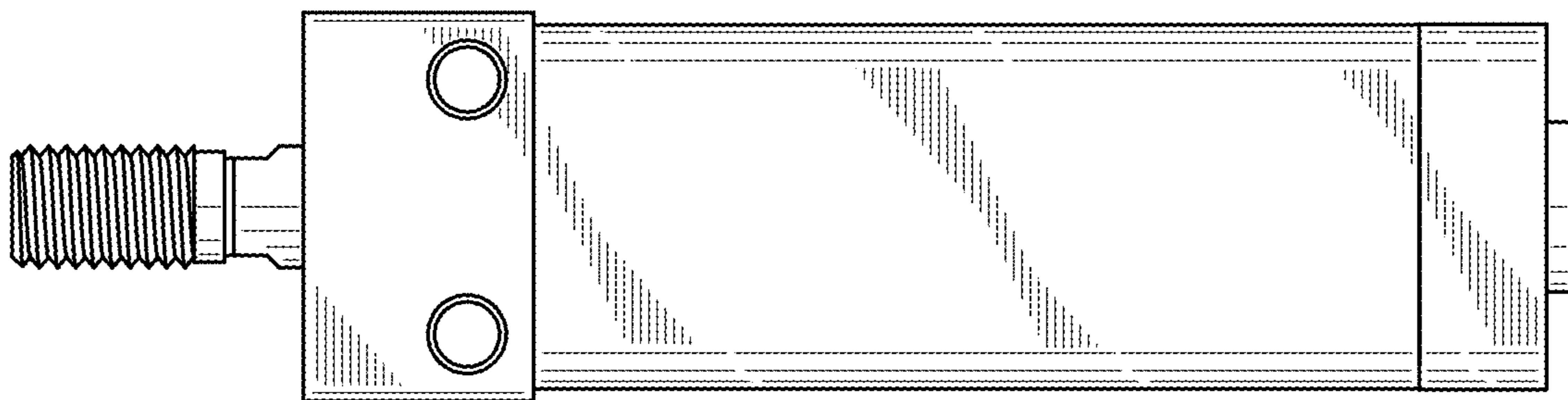


FIG. 23

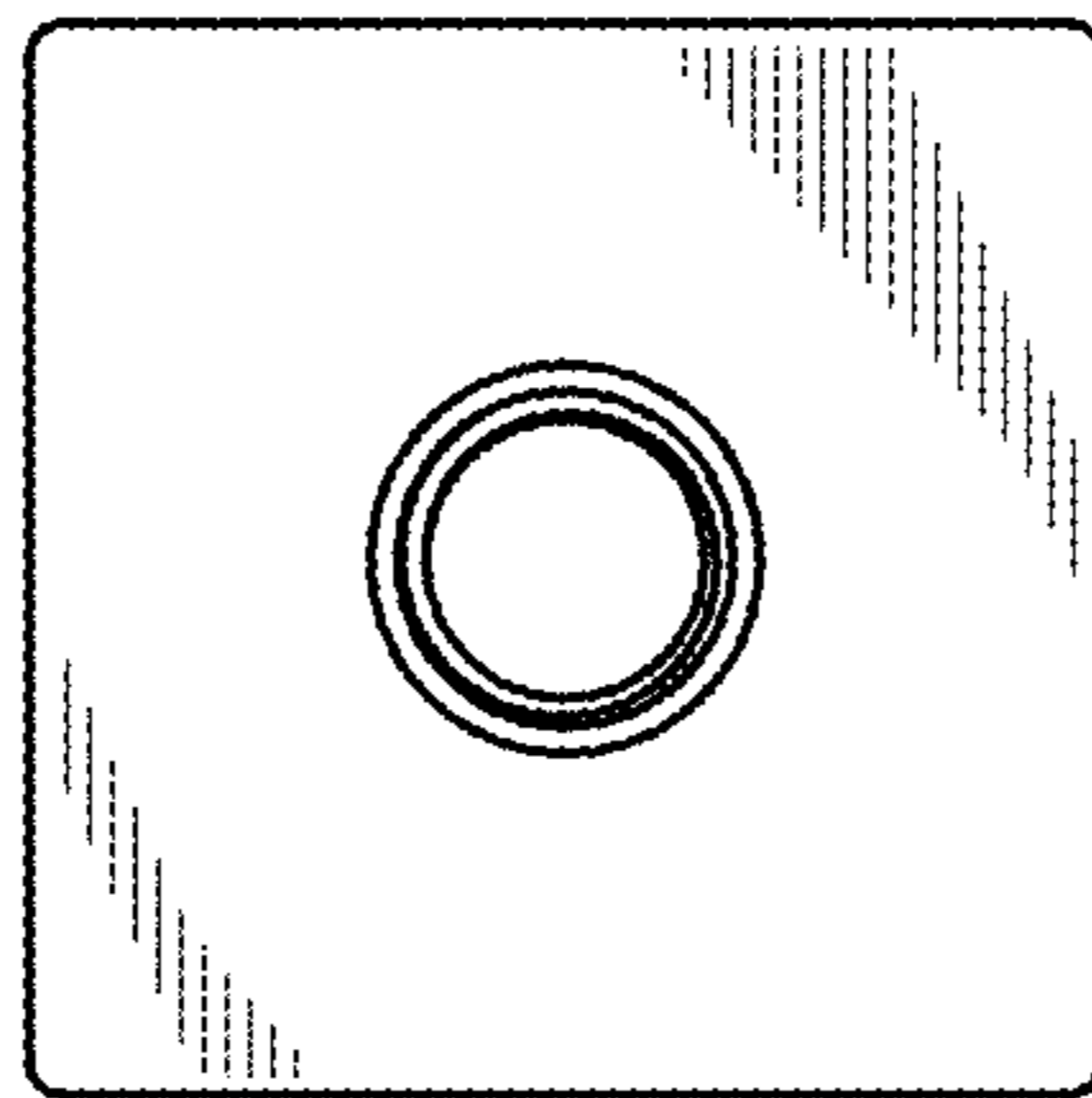


FIG. 24

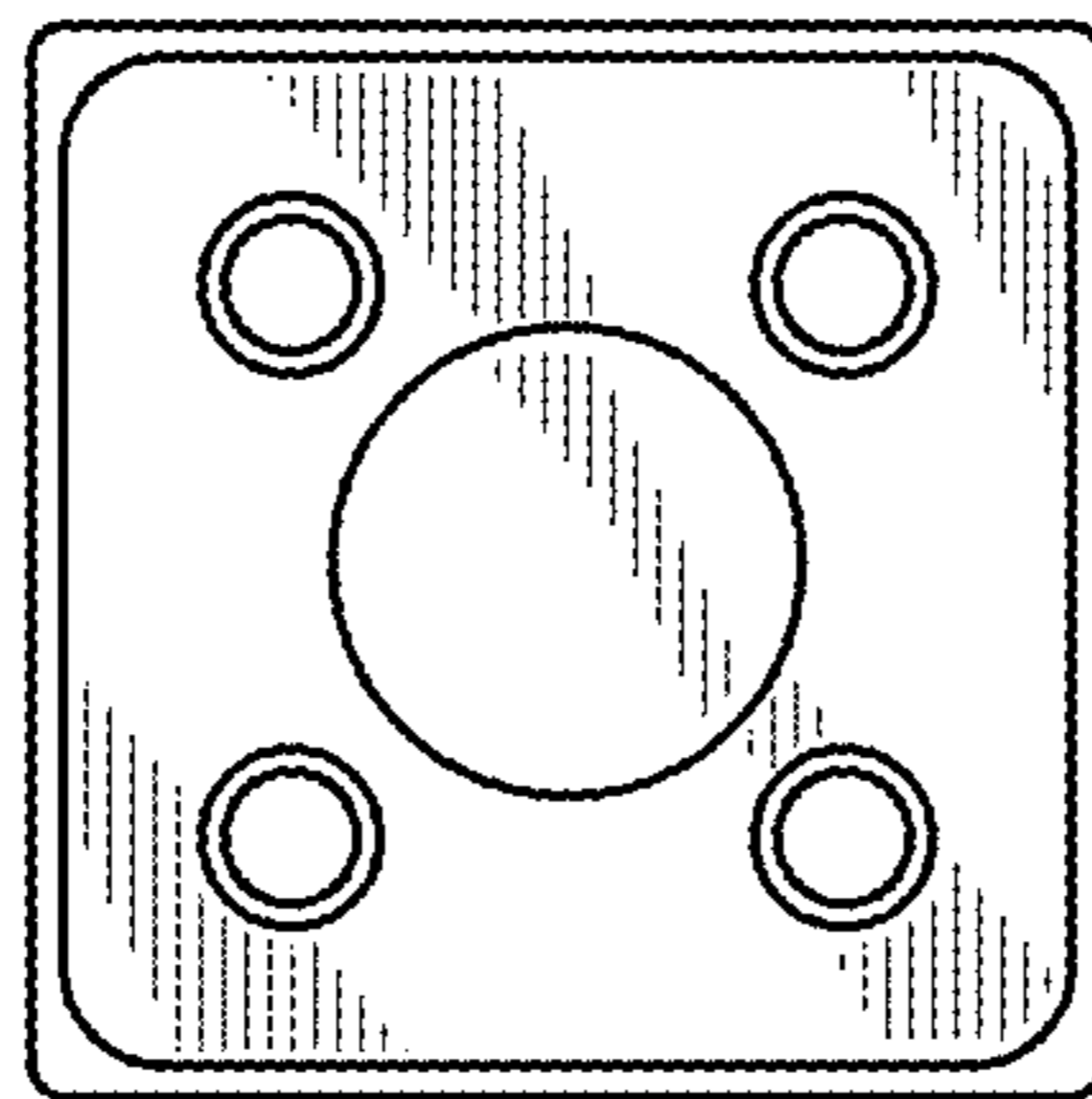


FIG. 25

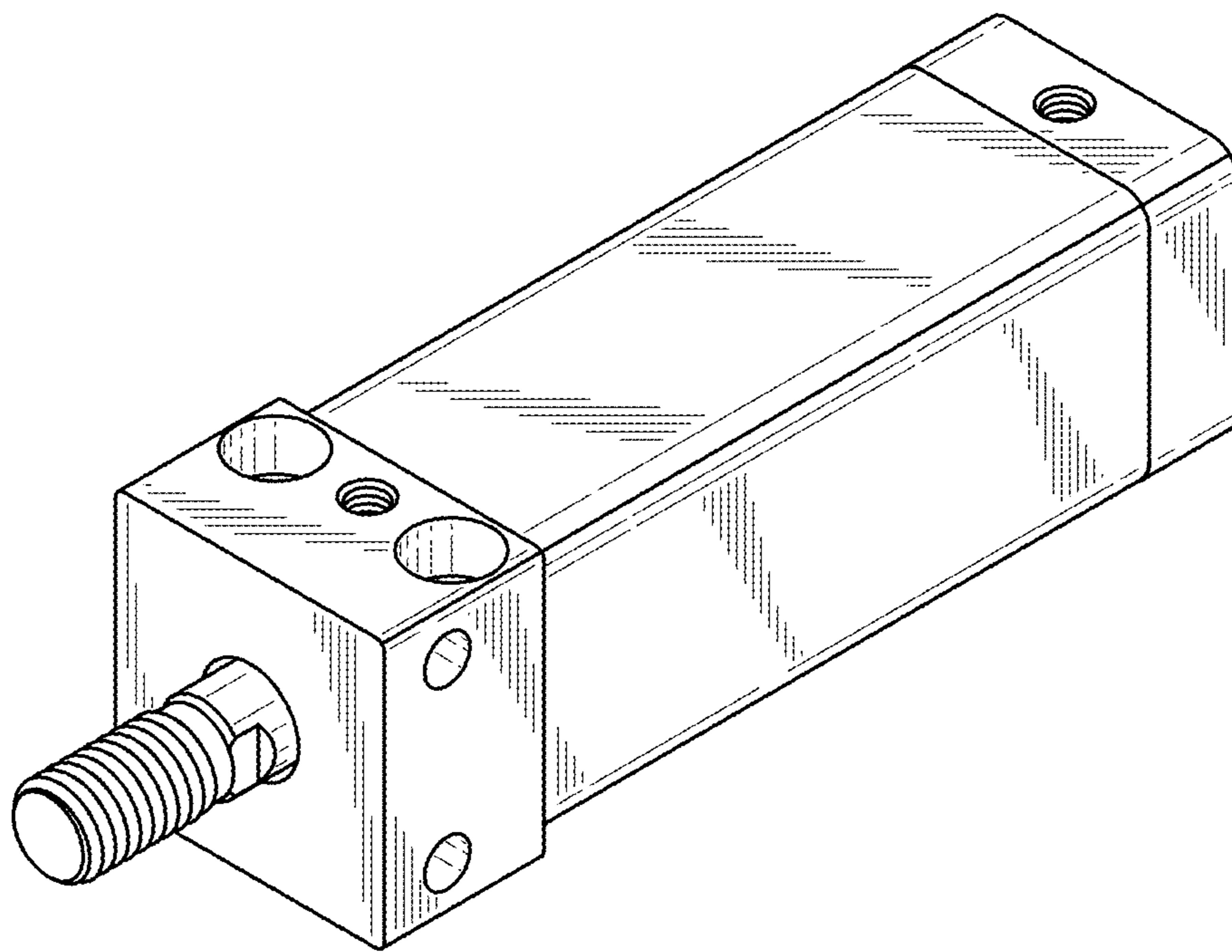


FIG. 26

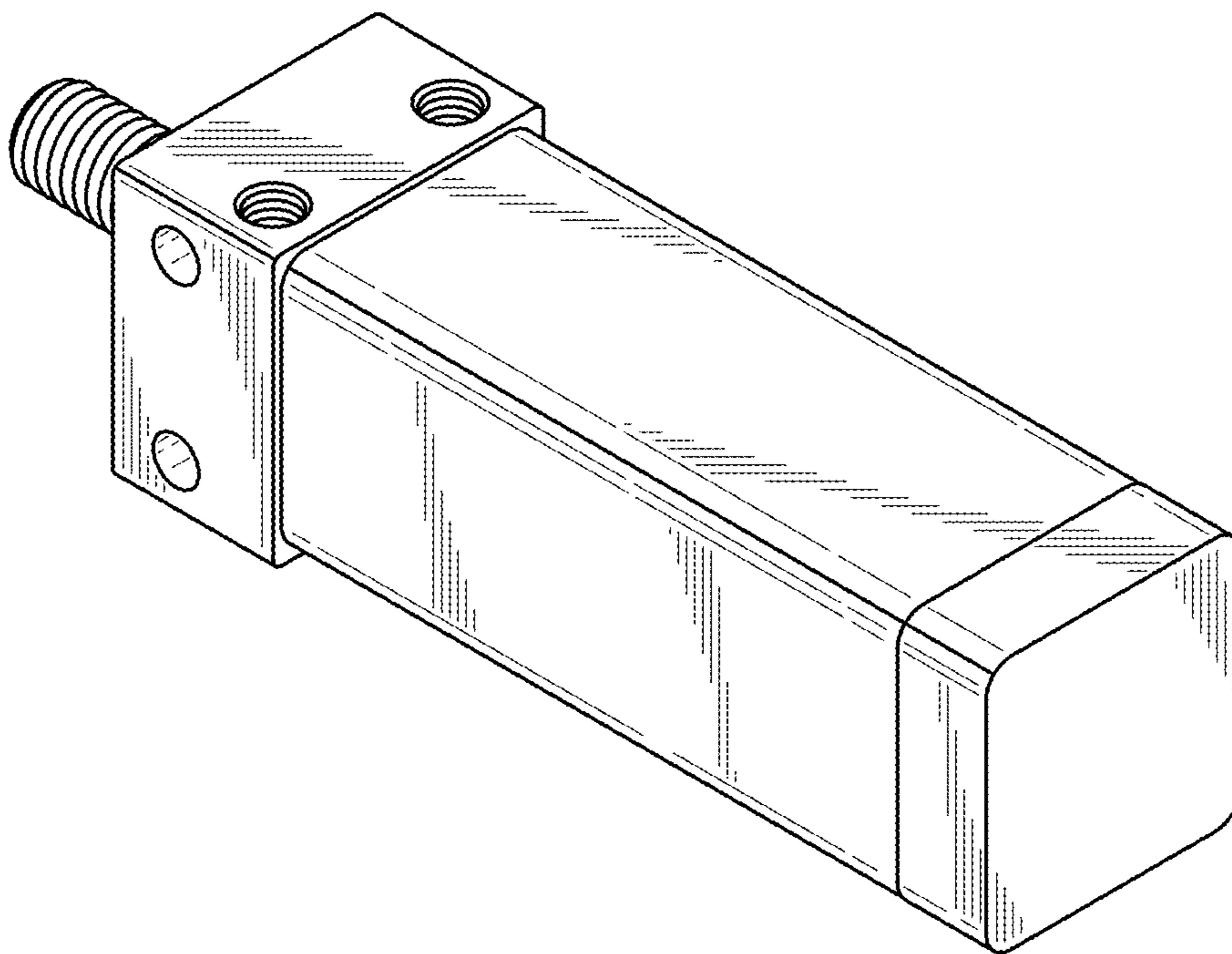


FIG. 27

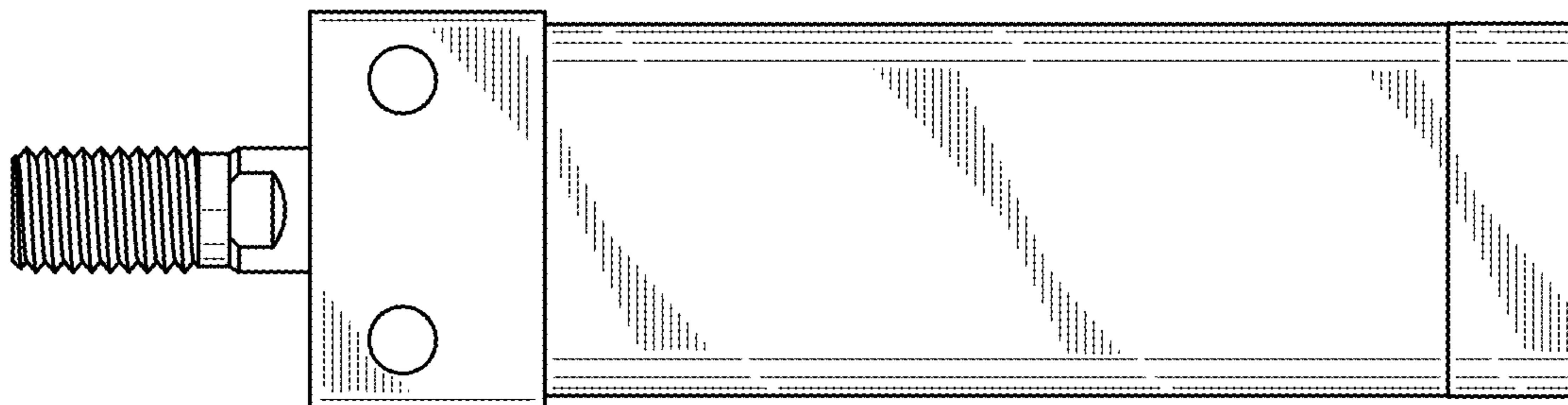


FIG. 28

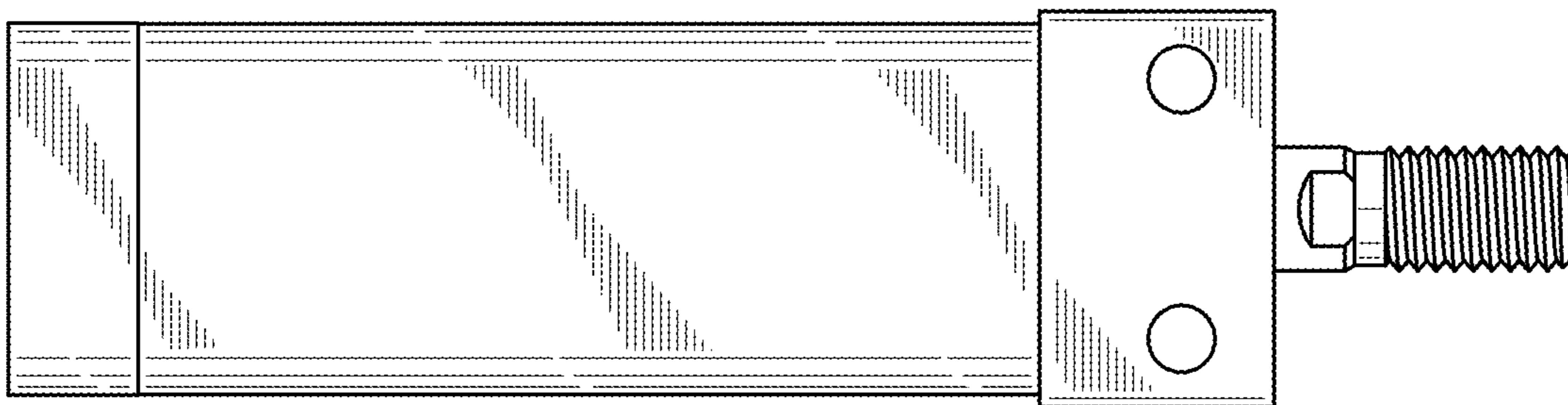


FIG. 29

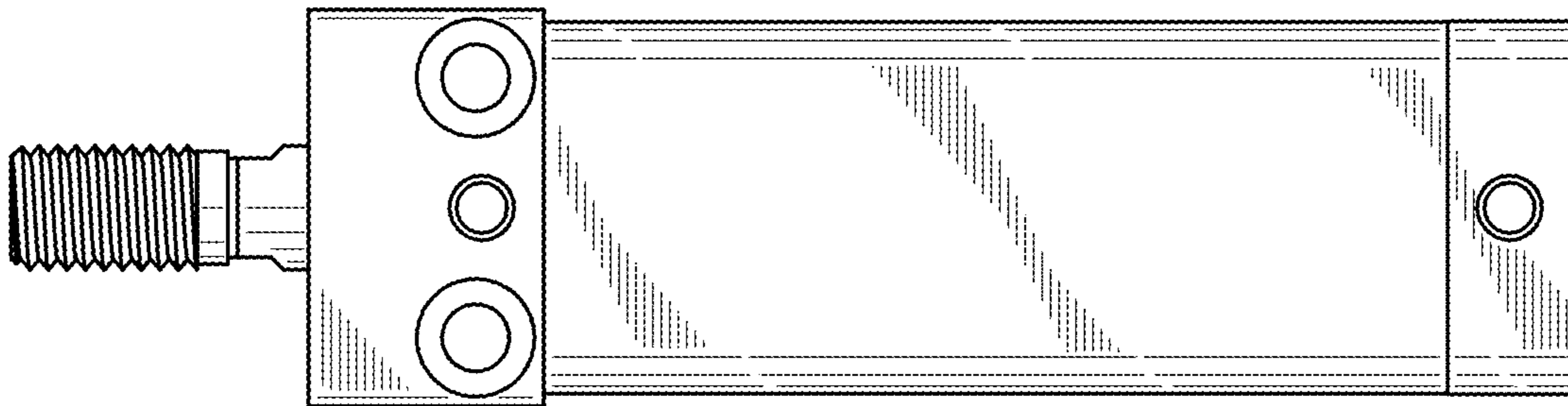


FIG. 30

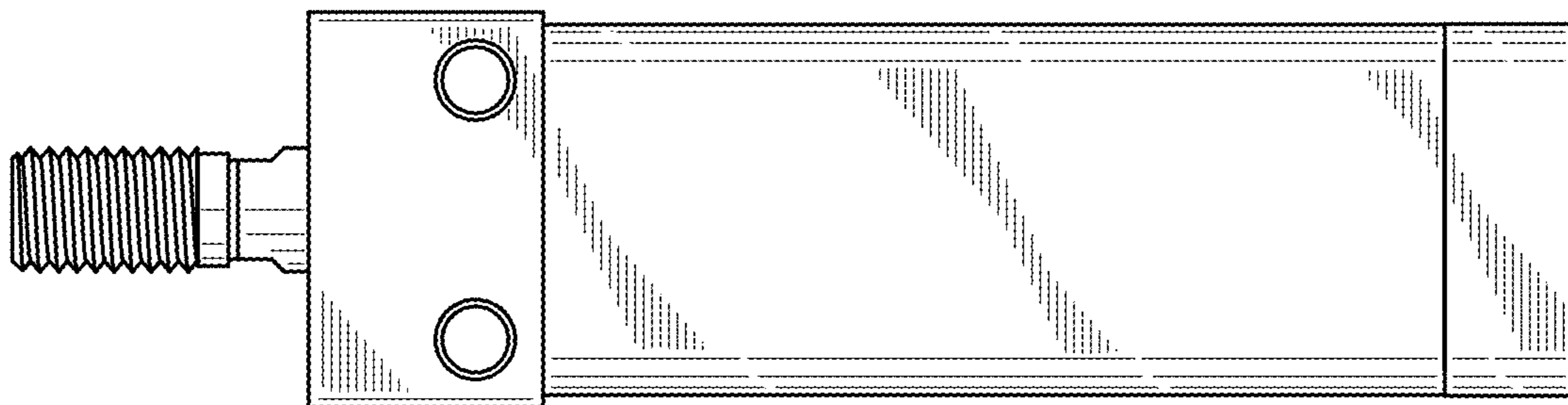


FIG. 31

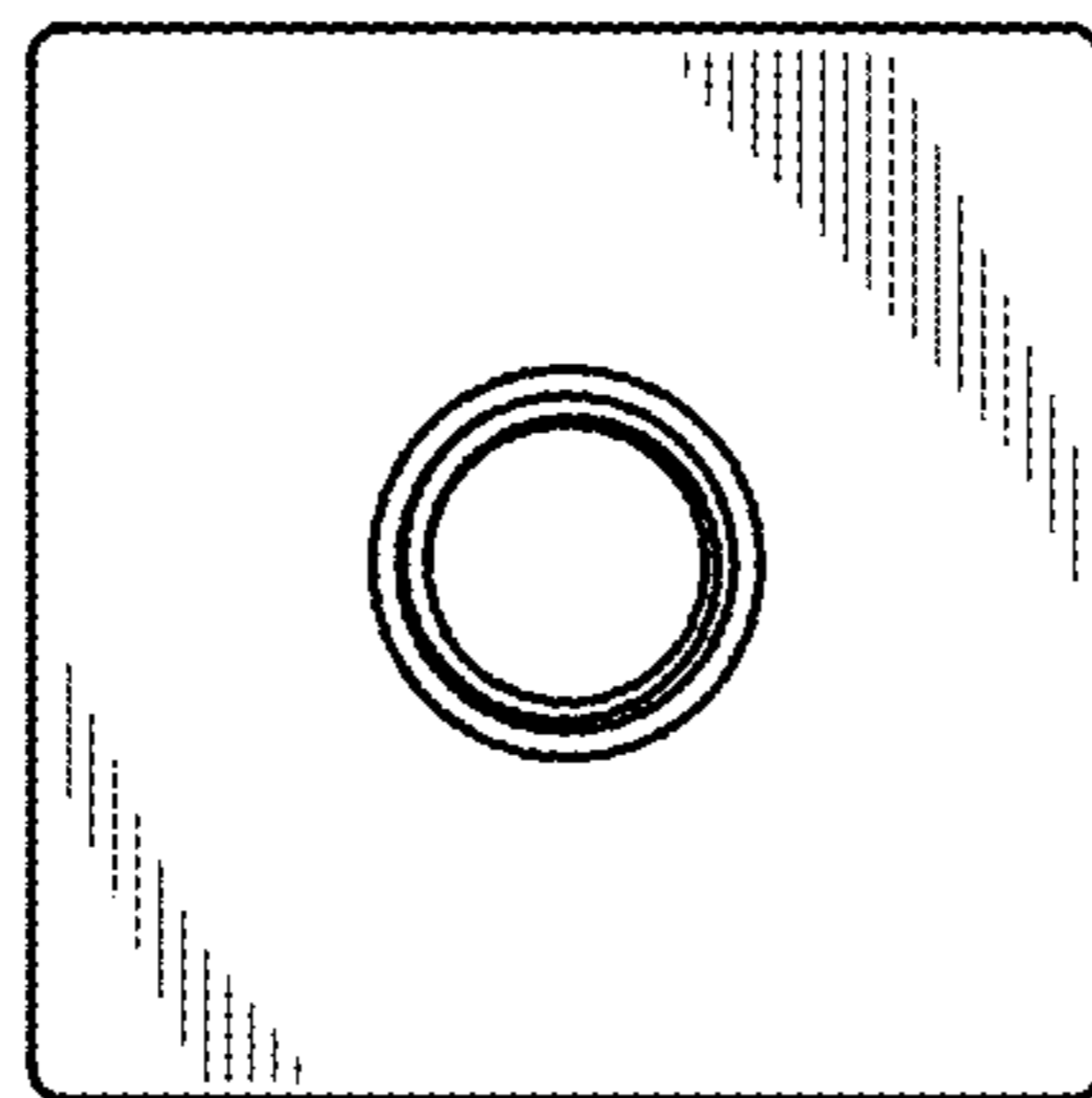


FIG. 32

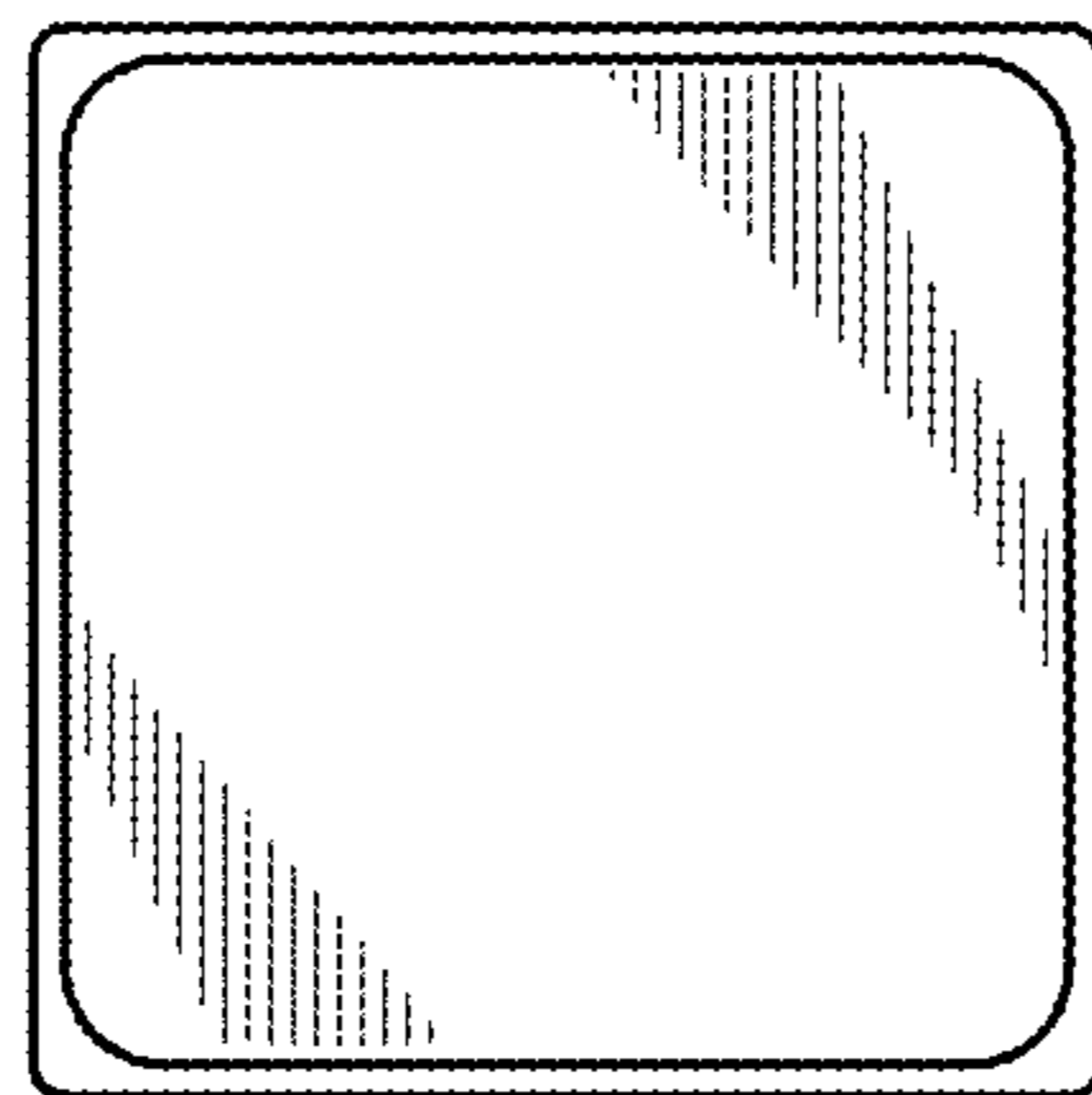


FIG. 33

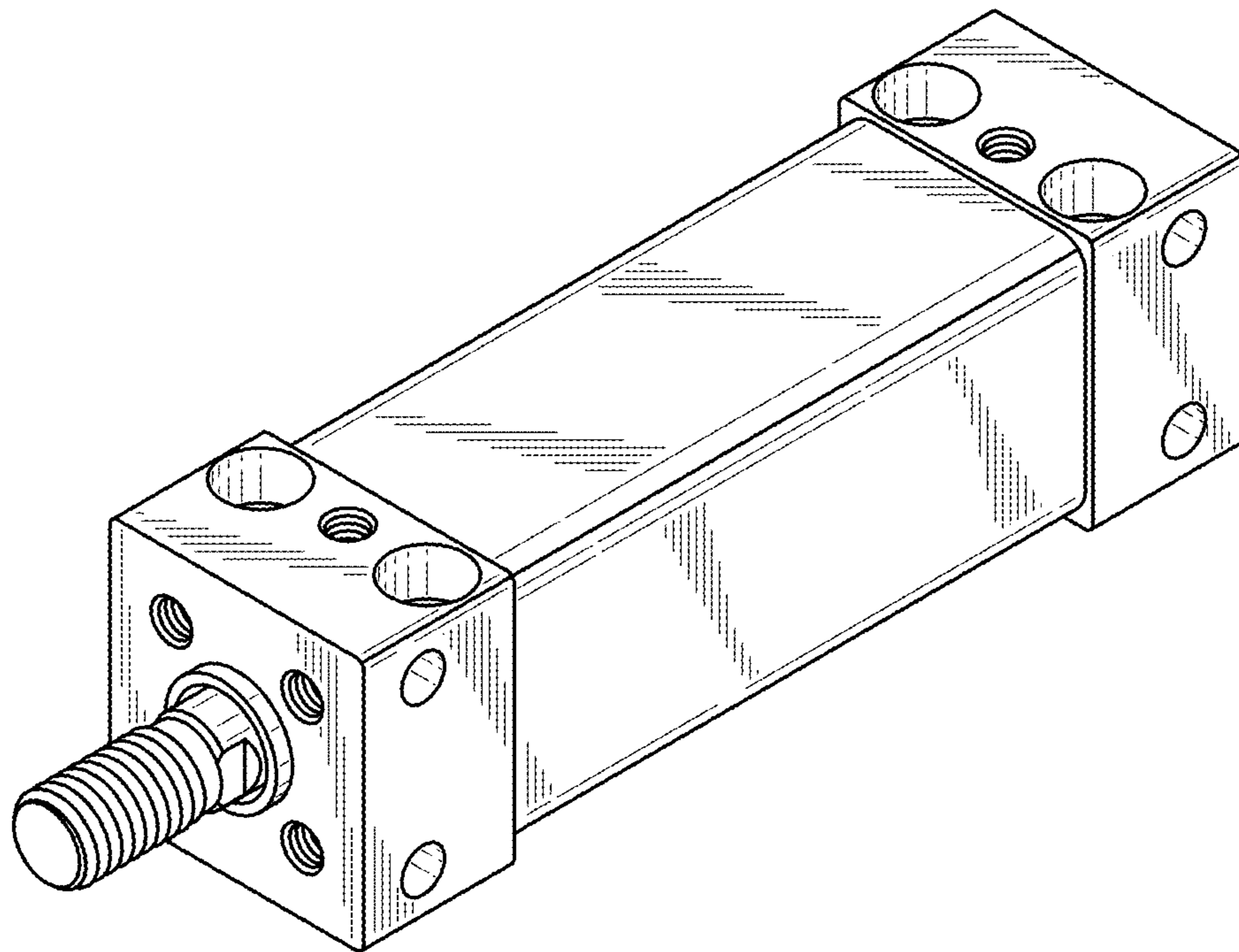


FIG. 34

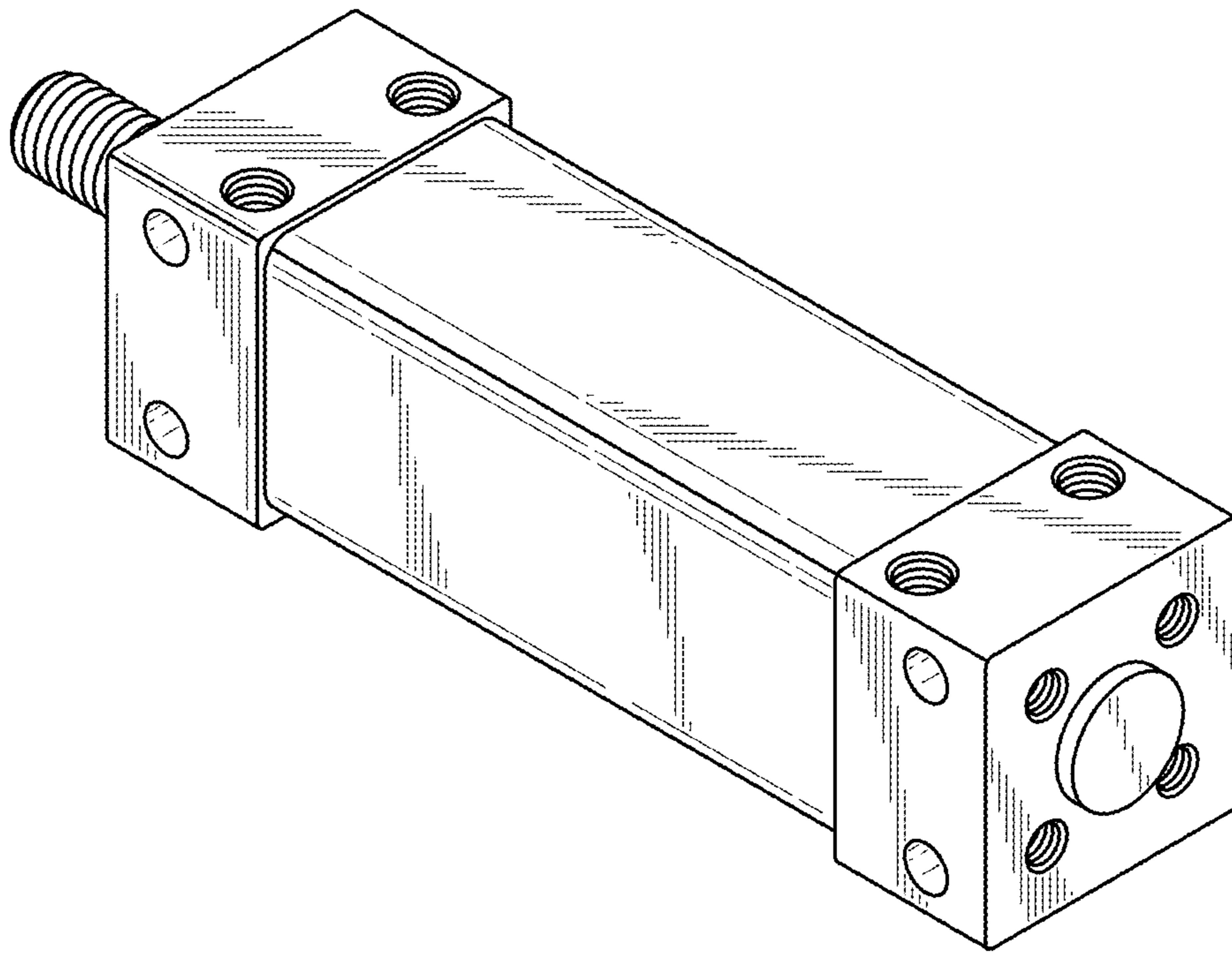


FIG. 35

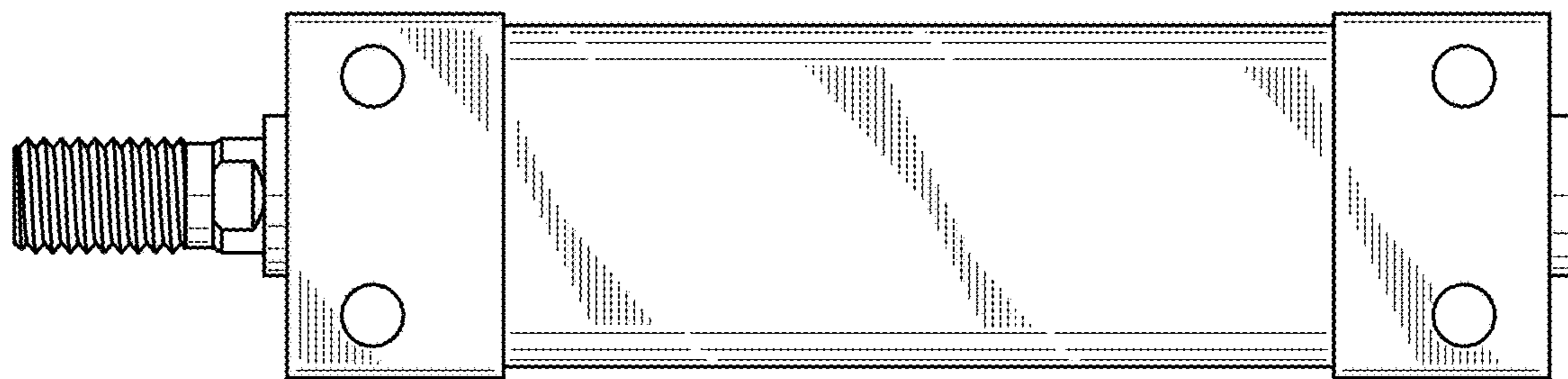


FIG. 36

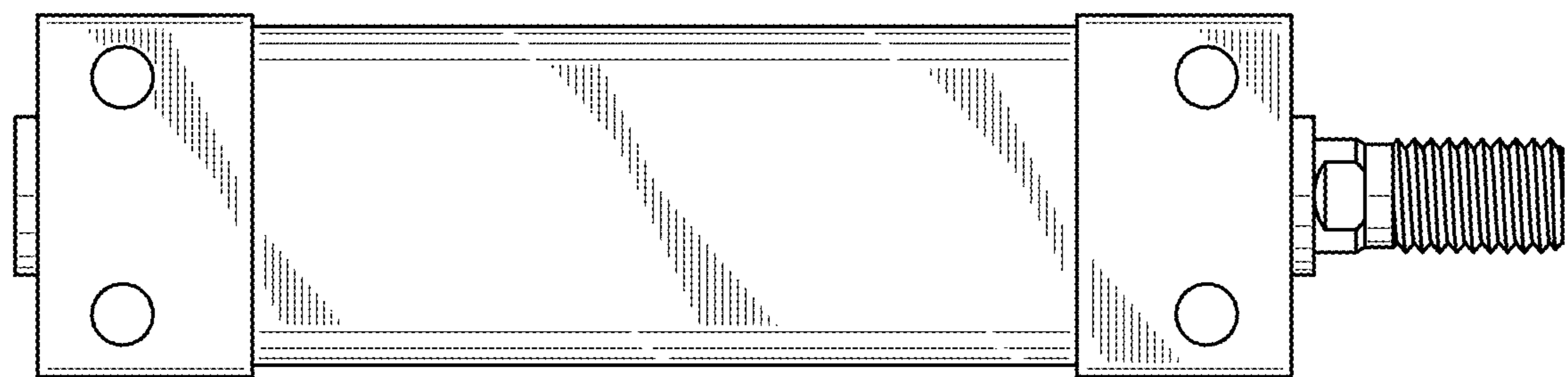


FIG. 37

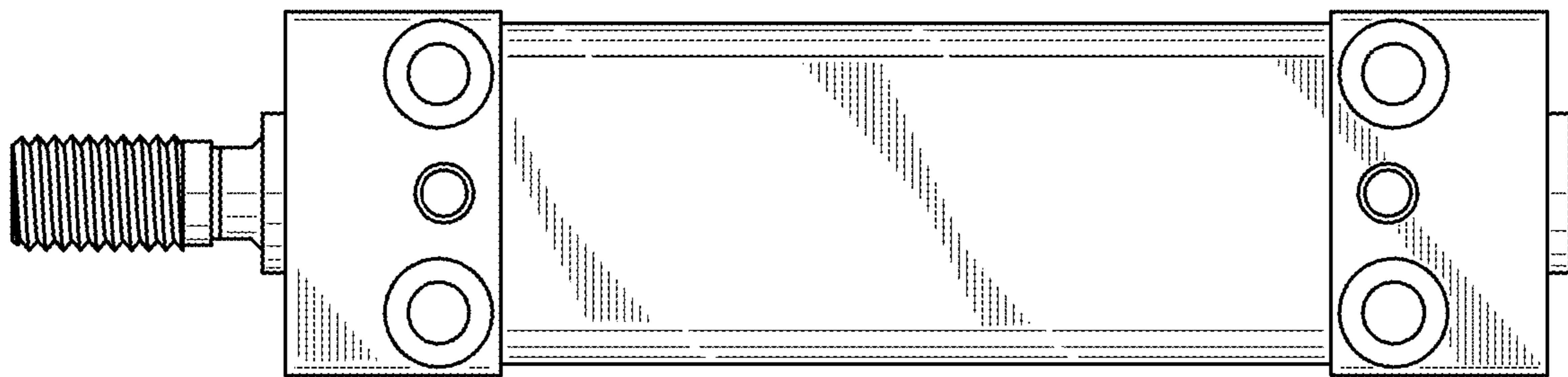


FIG. 38

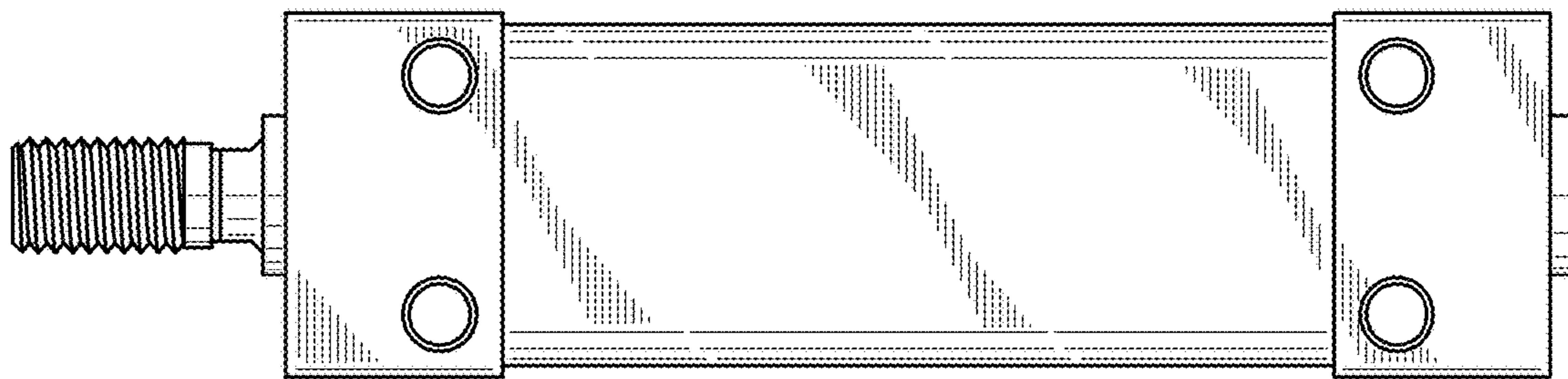


FIG. 39

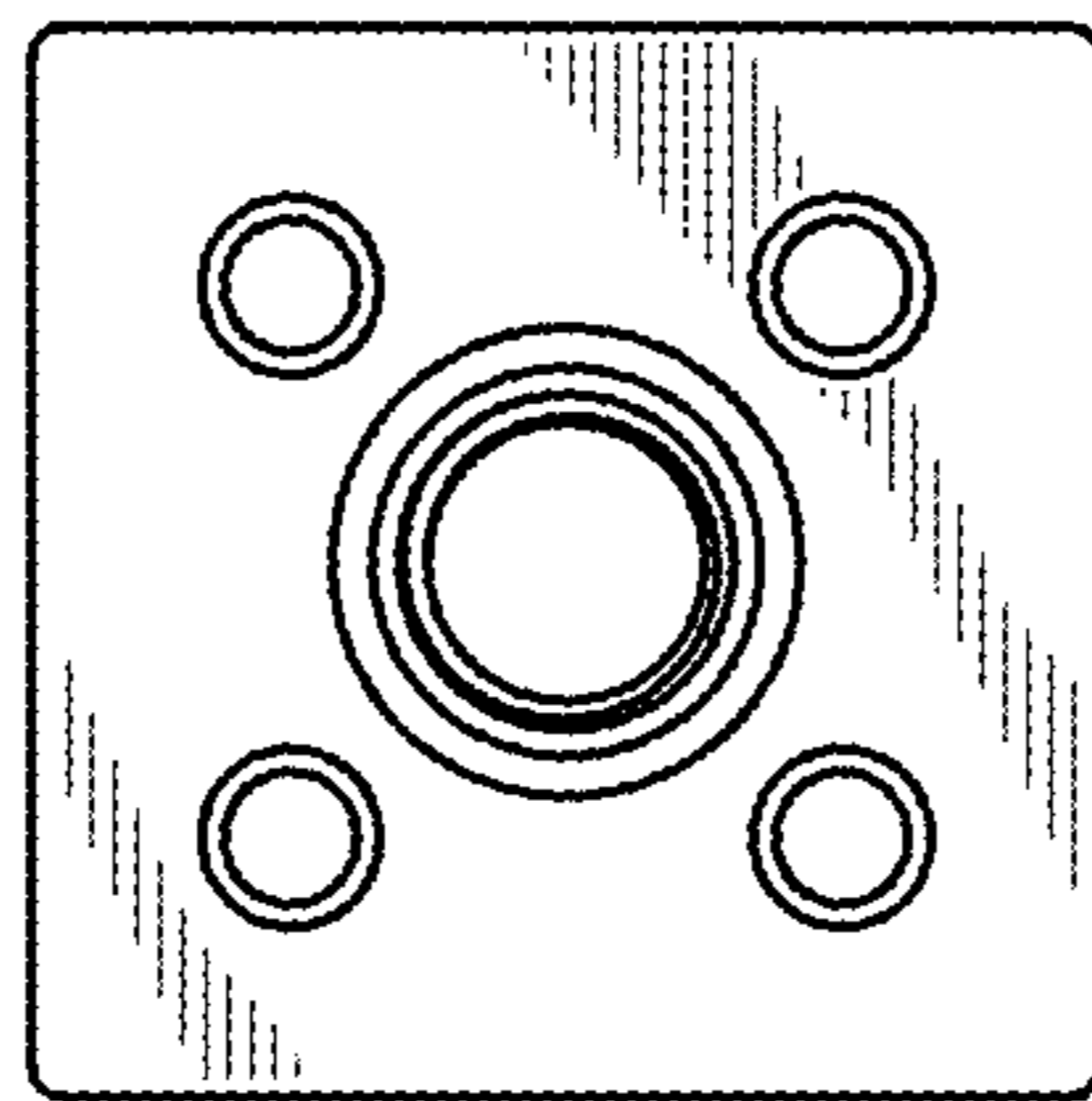


FIG. 40

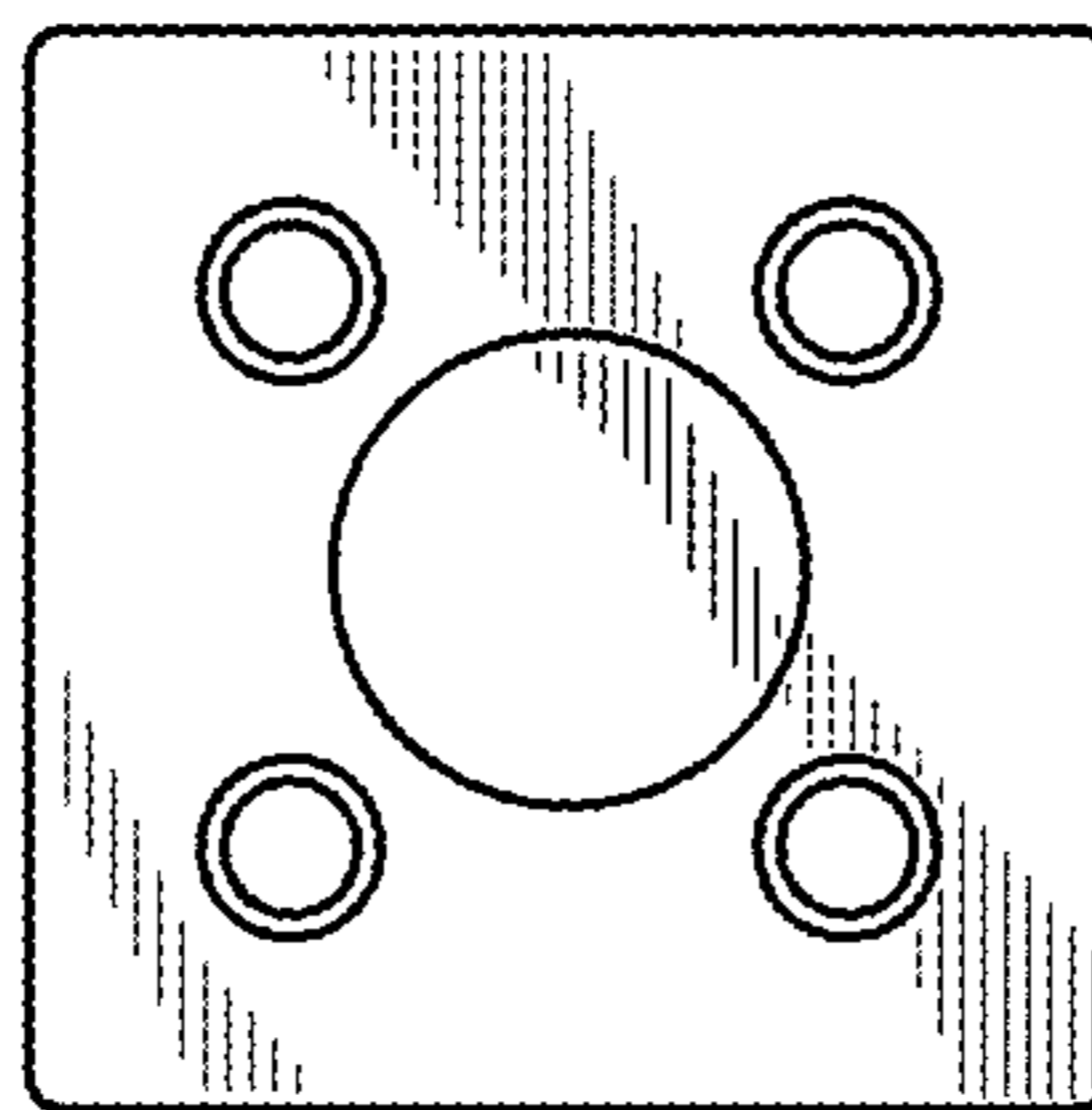


FIG. 41

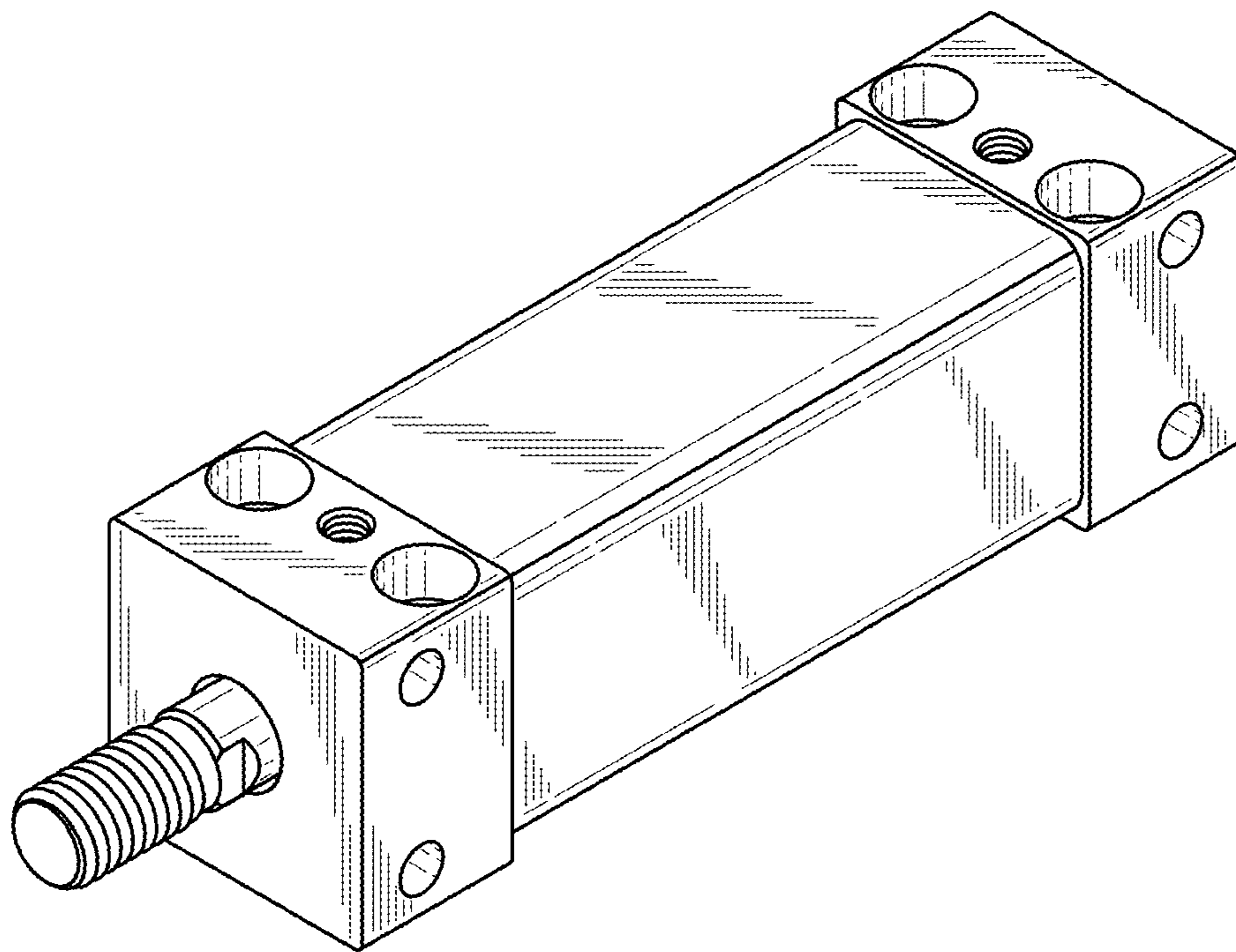


FIG. 42

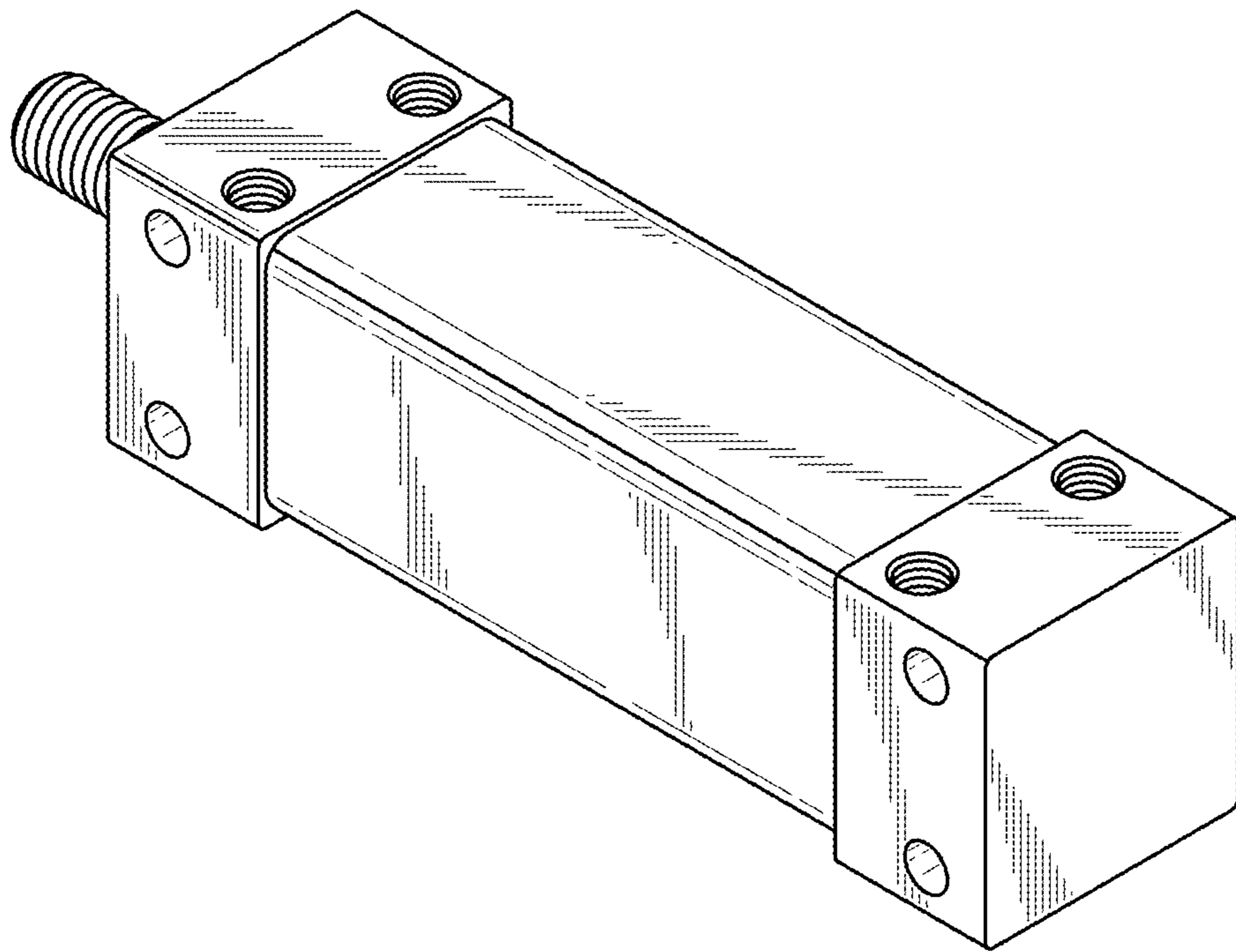


FIG. 43

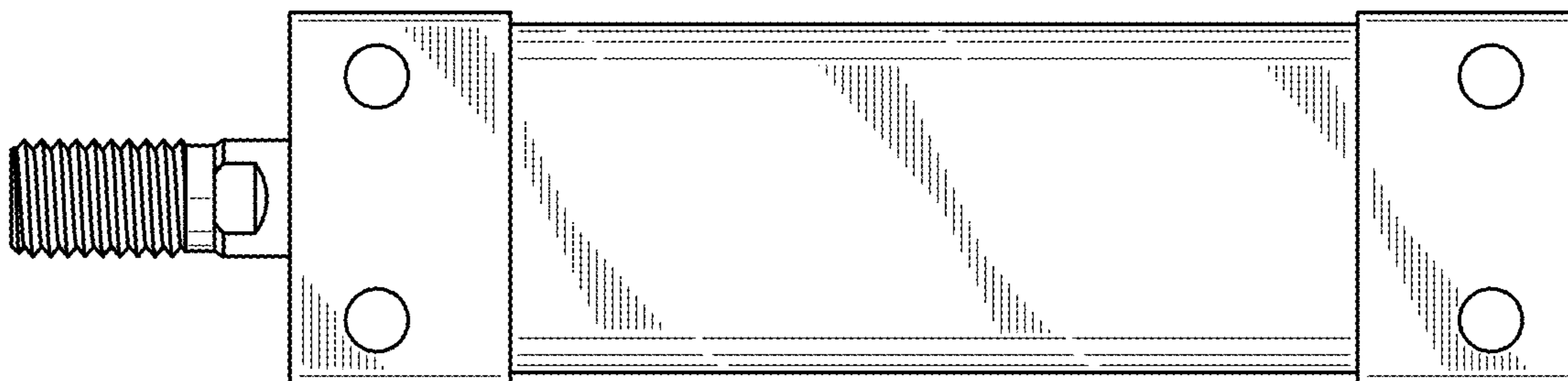


FIG. 44

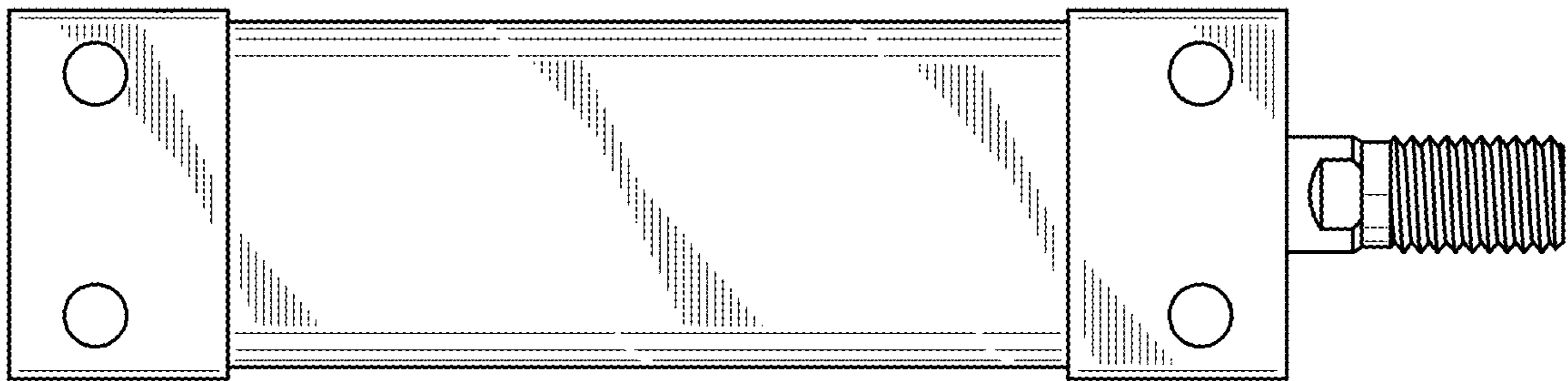


FIG. 45

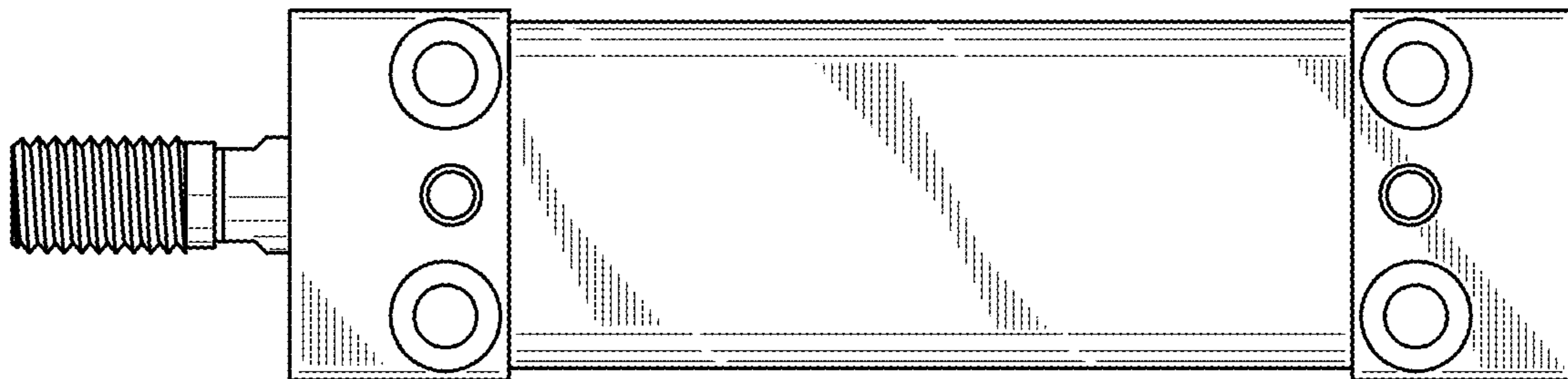


FIG. 46

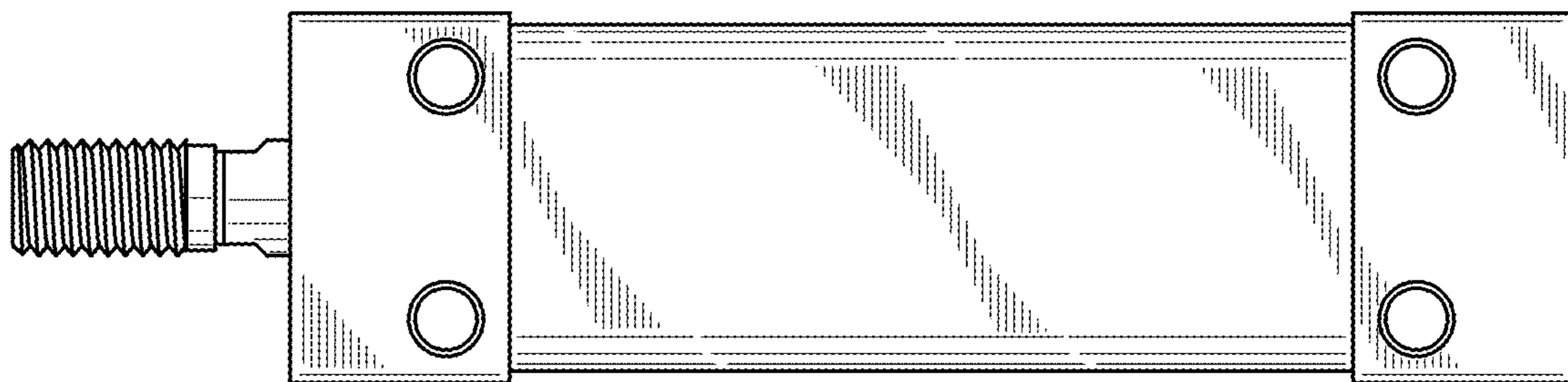


FIG. 47

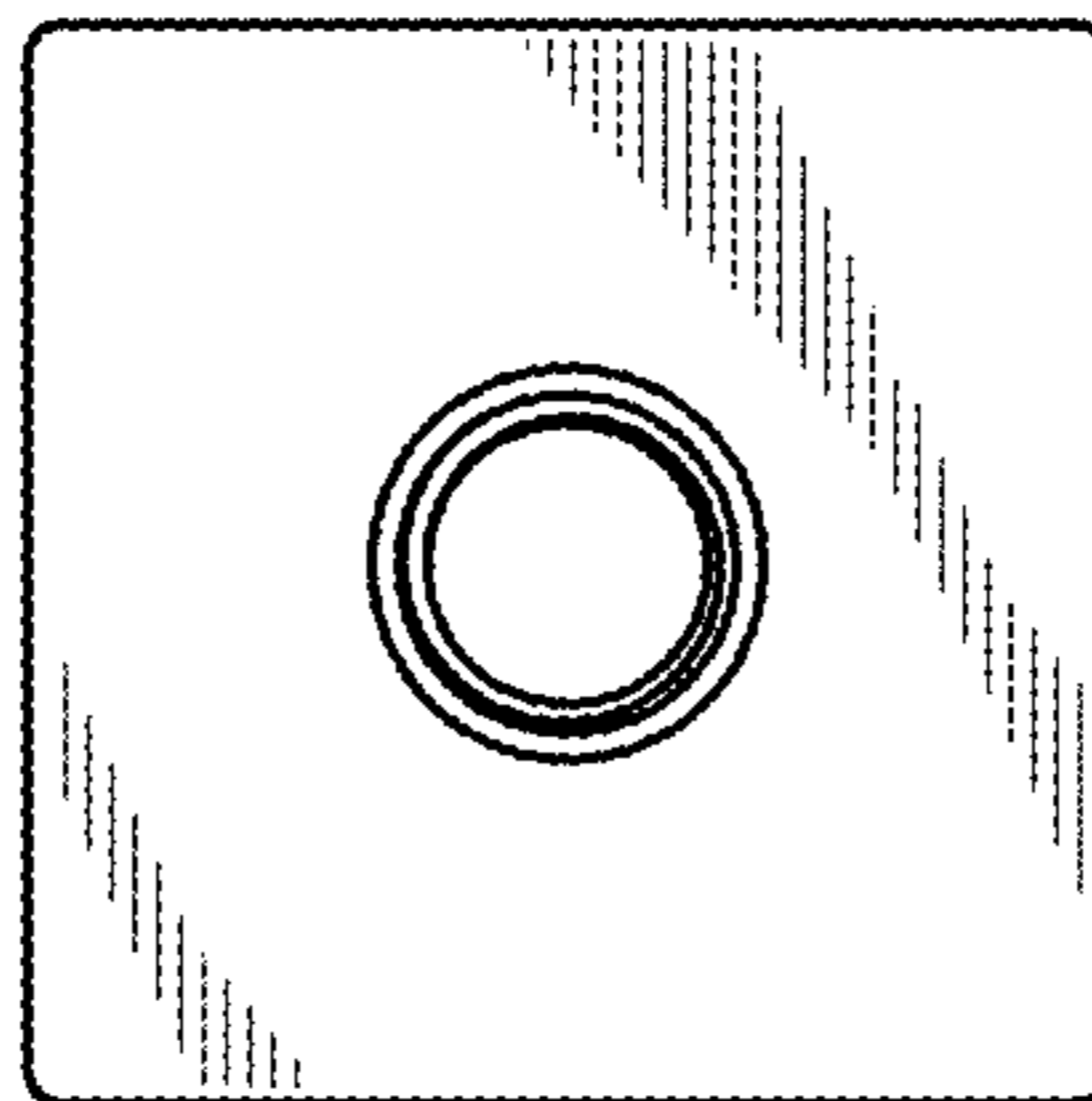
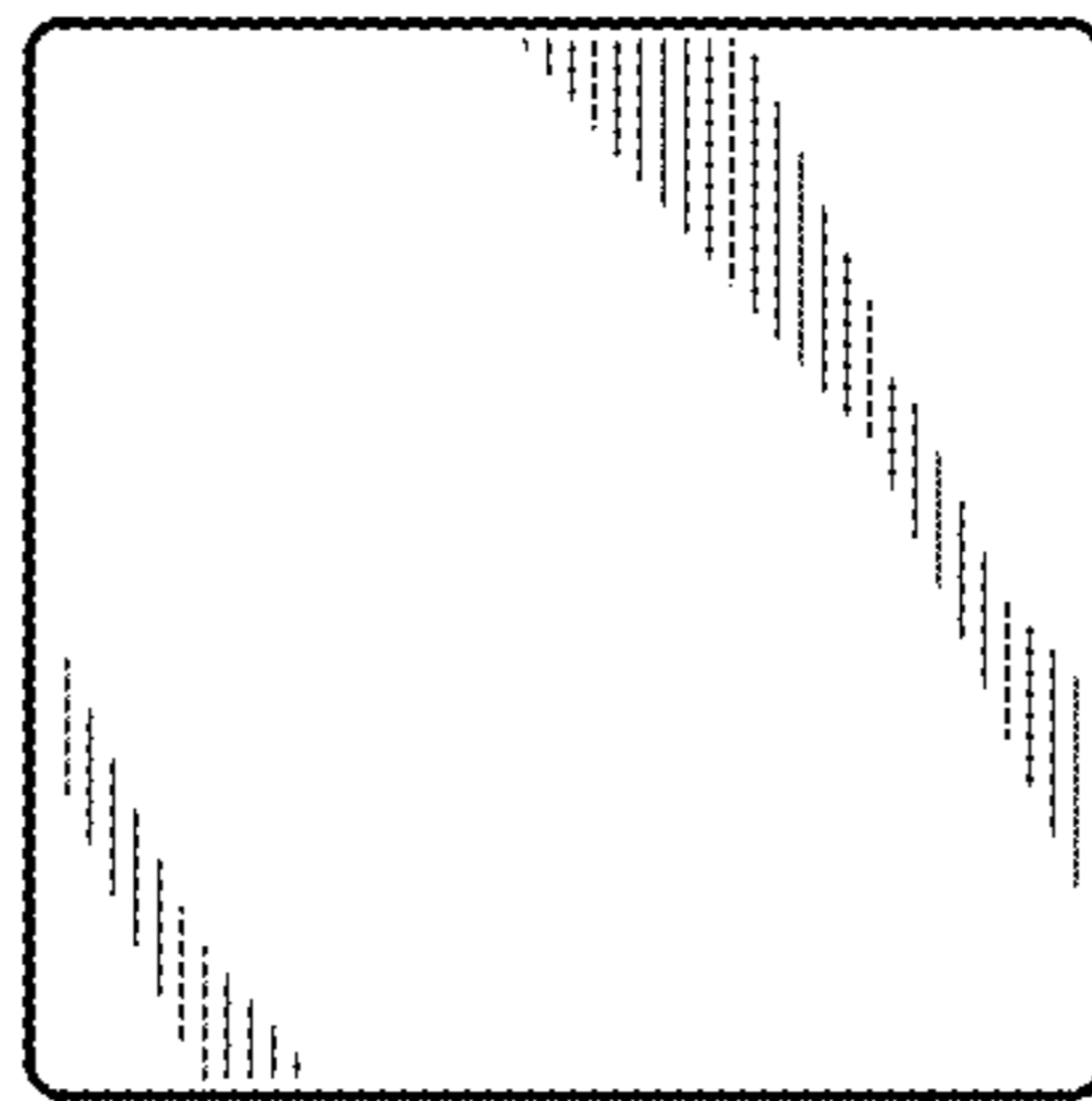


FIG. 48



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D805,560 S
APPLICATION NO. : 29/577928
DATED : December 19, 2017
INVENTOR(S) : Masayuki Kudo et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

In the Description of the Drawings:

In the right-hand column, insert the Description for Fig. 10 as follows:

-- Fig. 10 is a rear, bottom and right side perspective view of FIG. 9; --.

In the right-hand column, correct the Description for Figs. 11 through 16 to read as follows:

-- Fig. 11 is a front view of FIG. 9;

Fig. 12 is a rear view of FIG. 9;

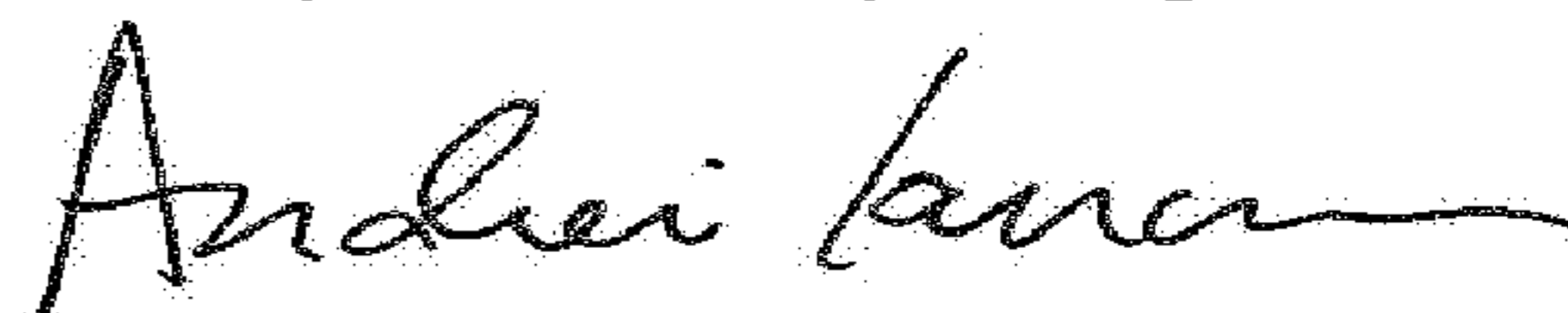
Fig. 13 is a top plan view of FIG. 9;

Fig. 14 is a bottom plan view of FIG. 9;

Fig. 15 is a left side view of FIG. 9;

Fig. 16 is a right side view of FIG. 9; --.

Signed and Sealed this
Twenty-fourth Day of April, 2018



Andrei Iancu
Director of the United States Patent and Trademark Office