



US00D841705S

(12) **United States Design Patent**
Kobayashi

(10) **Patent No.:** **US D841,705 S**

(45) **Date of Patent:** **** Feb. 26, 2019**

(54) **ROTARY ACTUATOR**

(71) Applicant: **SMC CORPORATION**, Tokyo (JP)

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

(**) Term: **15 Years**

(21) Appl. No.: **29/560,603**

(22) Filed: **Apr. 8, 2016**

(30) **Foreign Application Priority Data**

Oct. 9, 2015 (CN) 2015 3 0389256

(51) **LOC (11) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/143**

(58) **Field of Classification Search**
USPC D15/5, 143, 148, 199; D23/233;
D13/147, 148, 158

(Continued)

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Primary Examiner — Garth Rademaker
Assistant Examiner — Katelin G Kloberg

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

(57) **CLAIM**

The ornamental design for a rotary actuator, as shown and described.

DESCRIPTION

FIG. 1 is a front, top and left side perspective view of a rotary actuator showing a first embodiment of my new 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 and left side perspective view of a rotary actuator showing a second embodiment of my new design;

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

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;

FIG. 17 is a front, top and left side perspective view of a rotary actuator showing a third embodiment of my 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;

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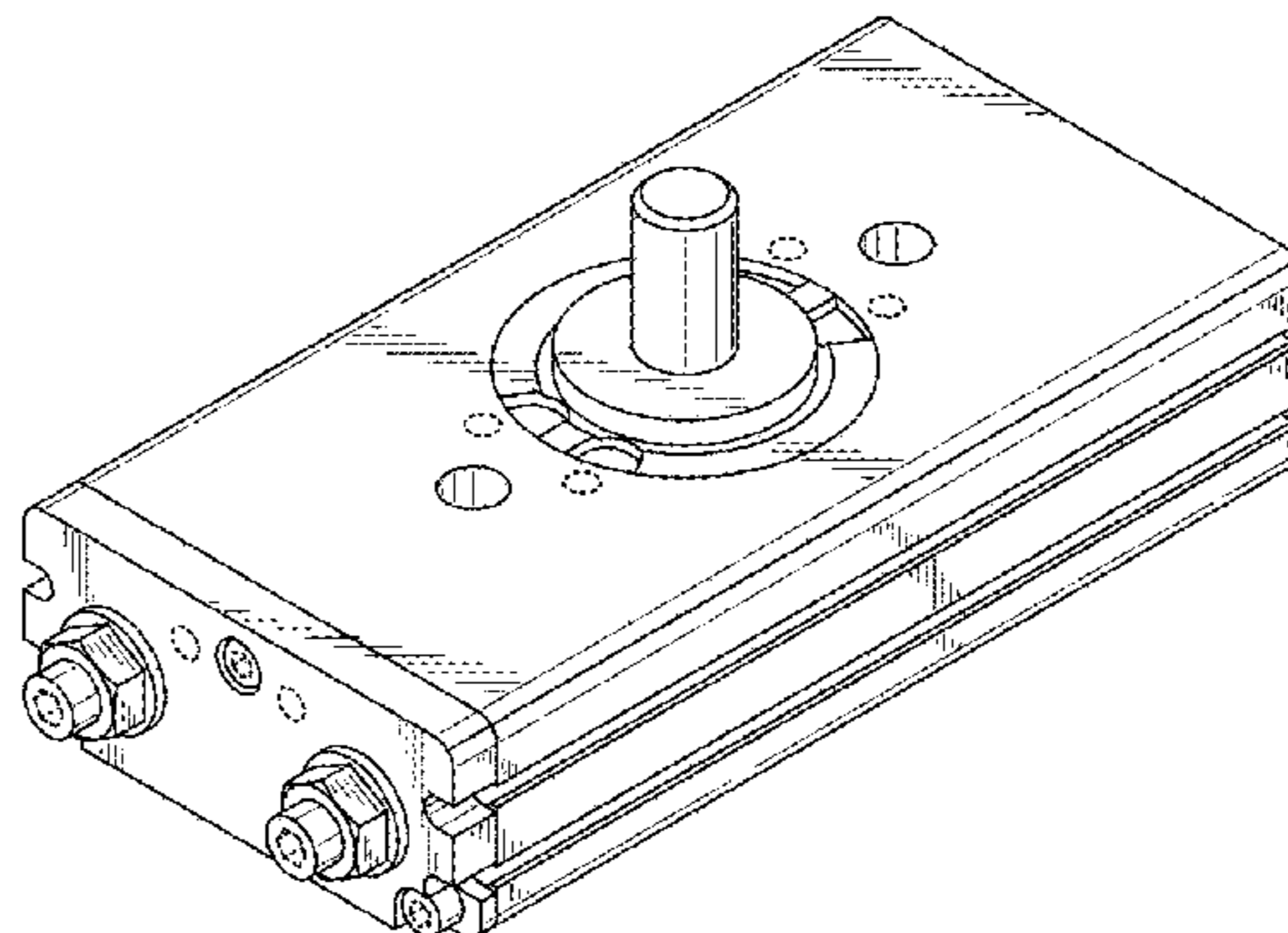
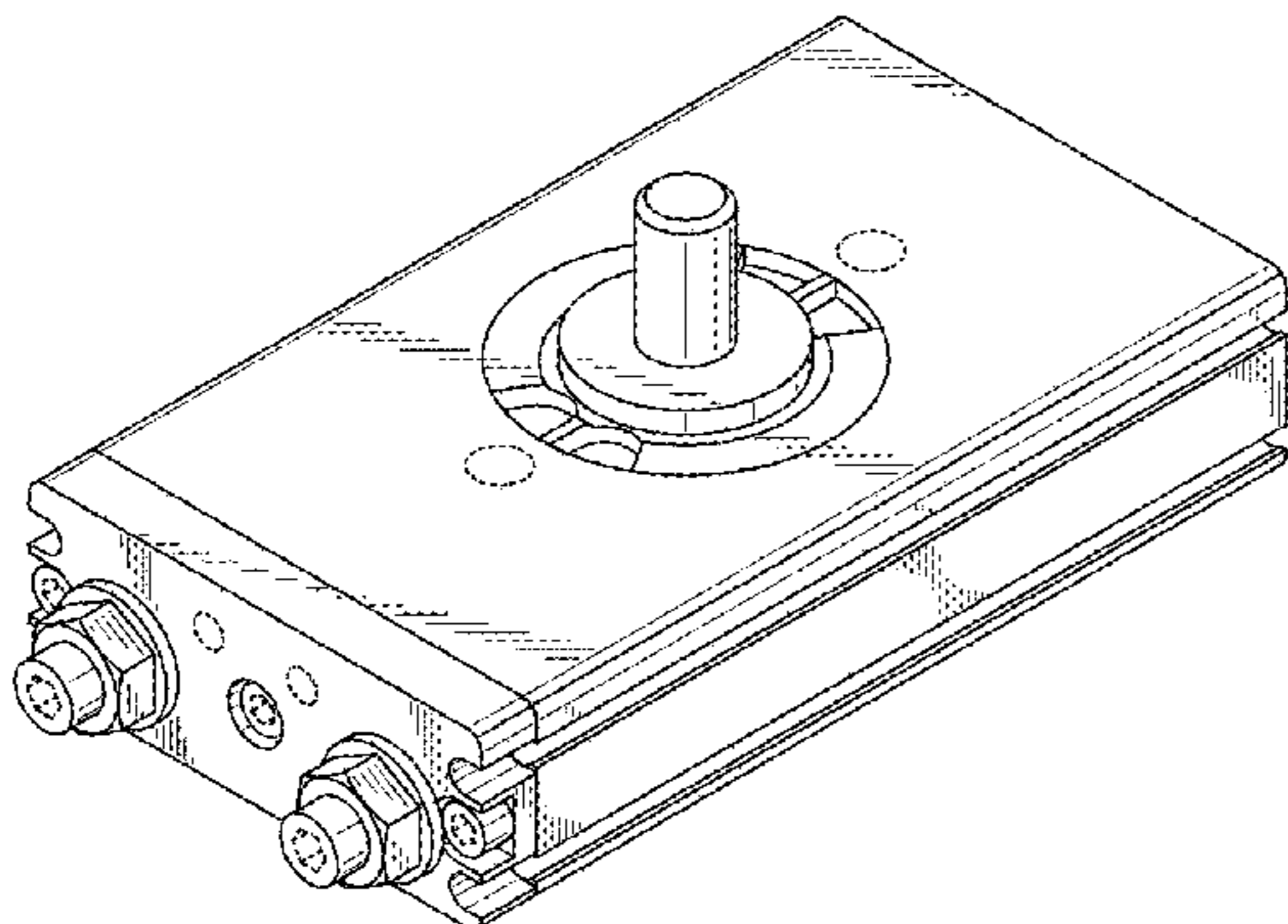


FIG. 21 is a top plan view of FIG. 17;
 FIG. 22 is a bottom plan view of FIG. 17;
 FIG. 23 is a left side view of FIG. 17; and,
 FIG. 24 is a right side view of FIG. 17.
 The broken lines depict portions of the rotary actuator that
 form no part of the claimed design.

1 Claim, 24 Drawing Sheets

(58) **Field of Classification Search**

CPC F15B 11/076; F15B 11/0413; F15B 15/24;
 F15B 15/085; F15B 15/149; F15B
 15/1433; F16H 19/04

See application file for complete search history.

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FIG. 1

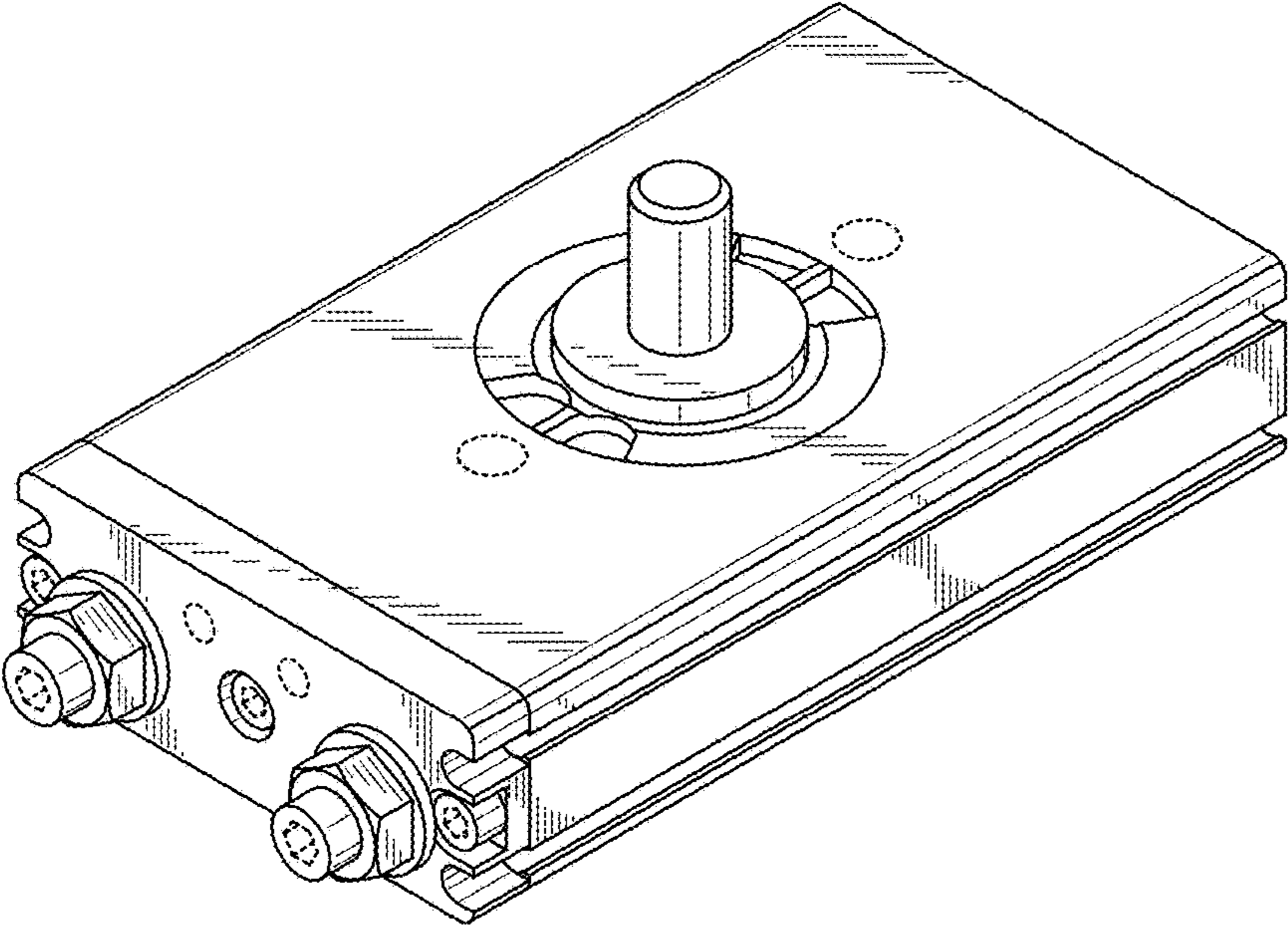


FIG. 2

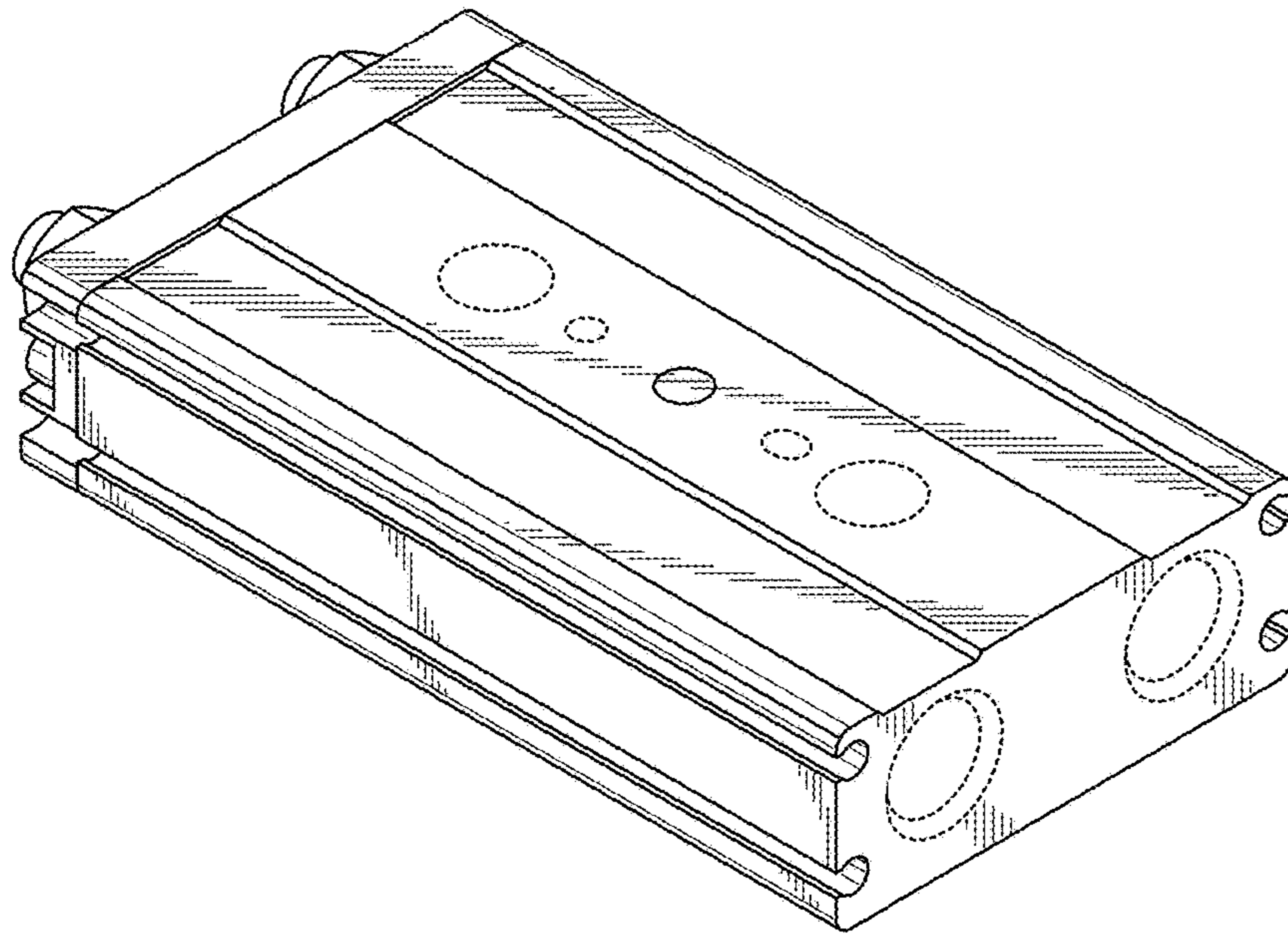


FIG. 3

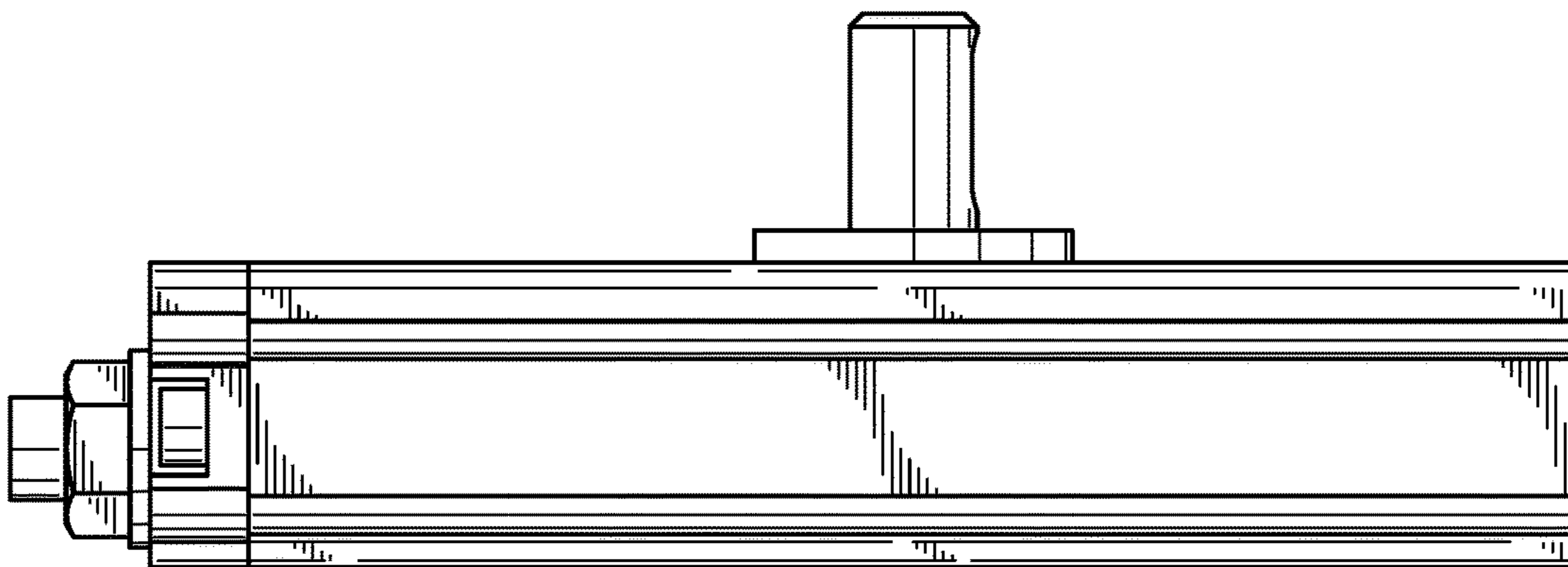


FIG. 4

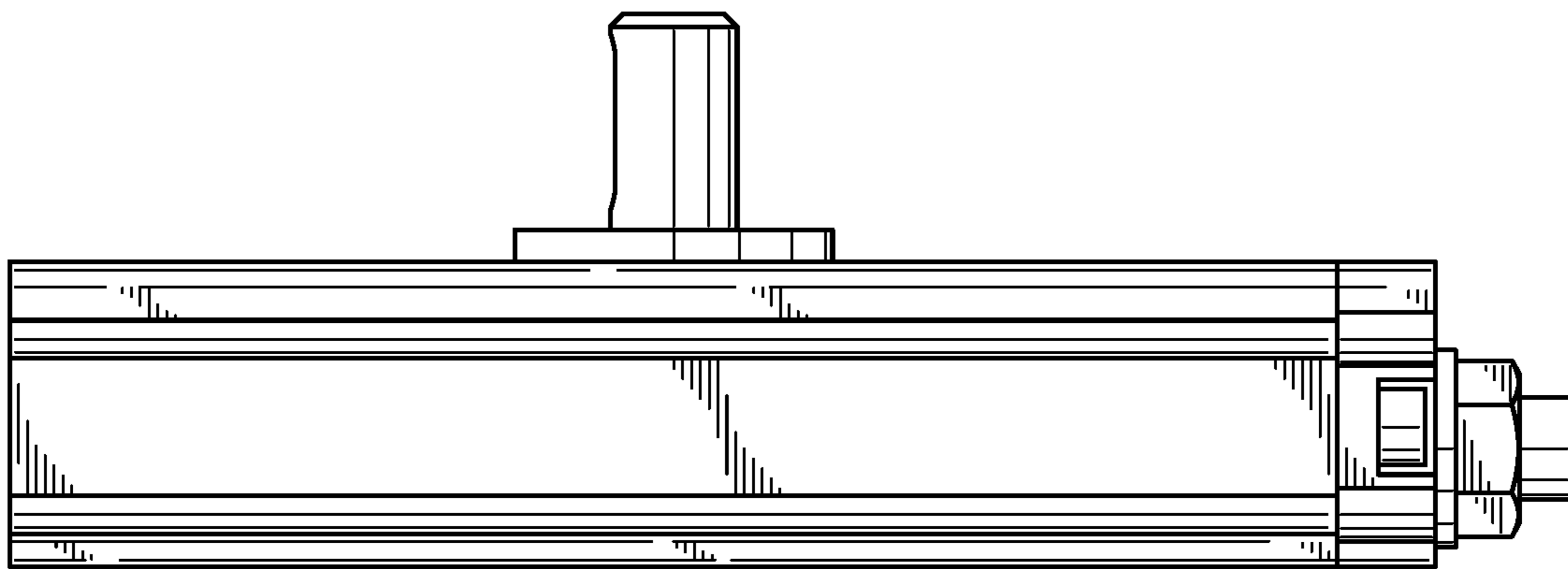


FIG. 5

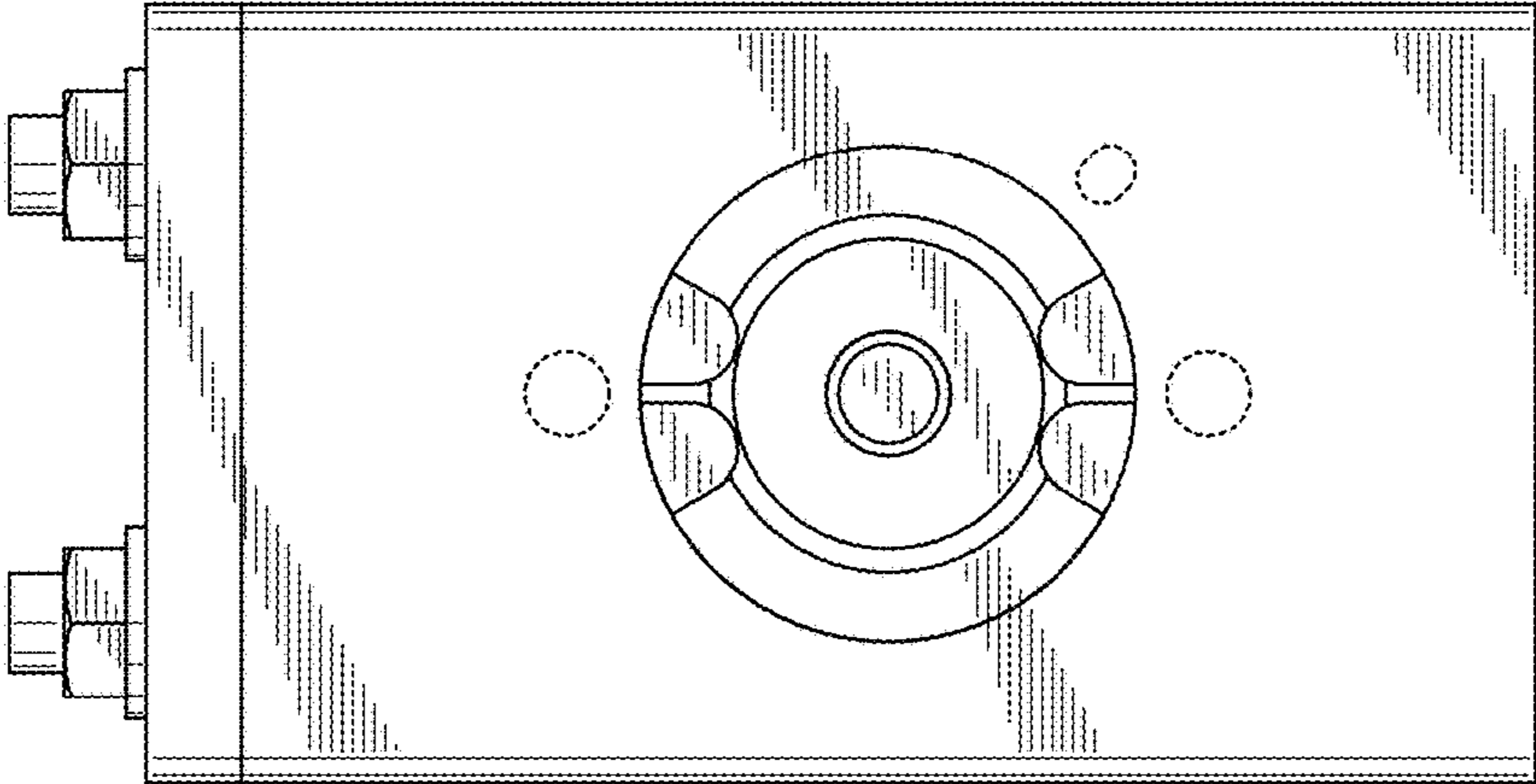


FIG. 6

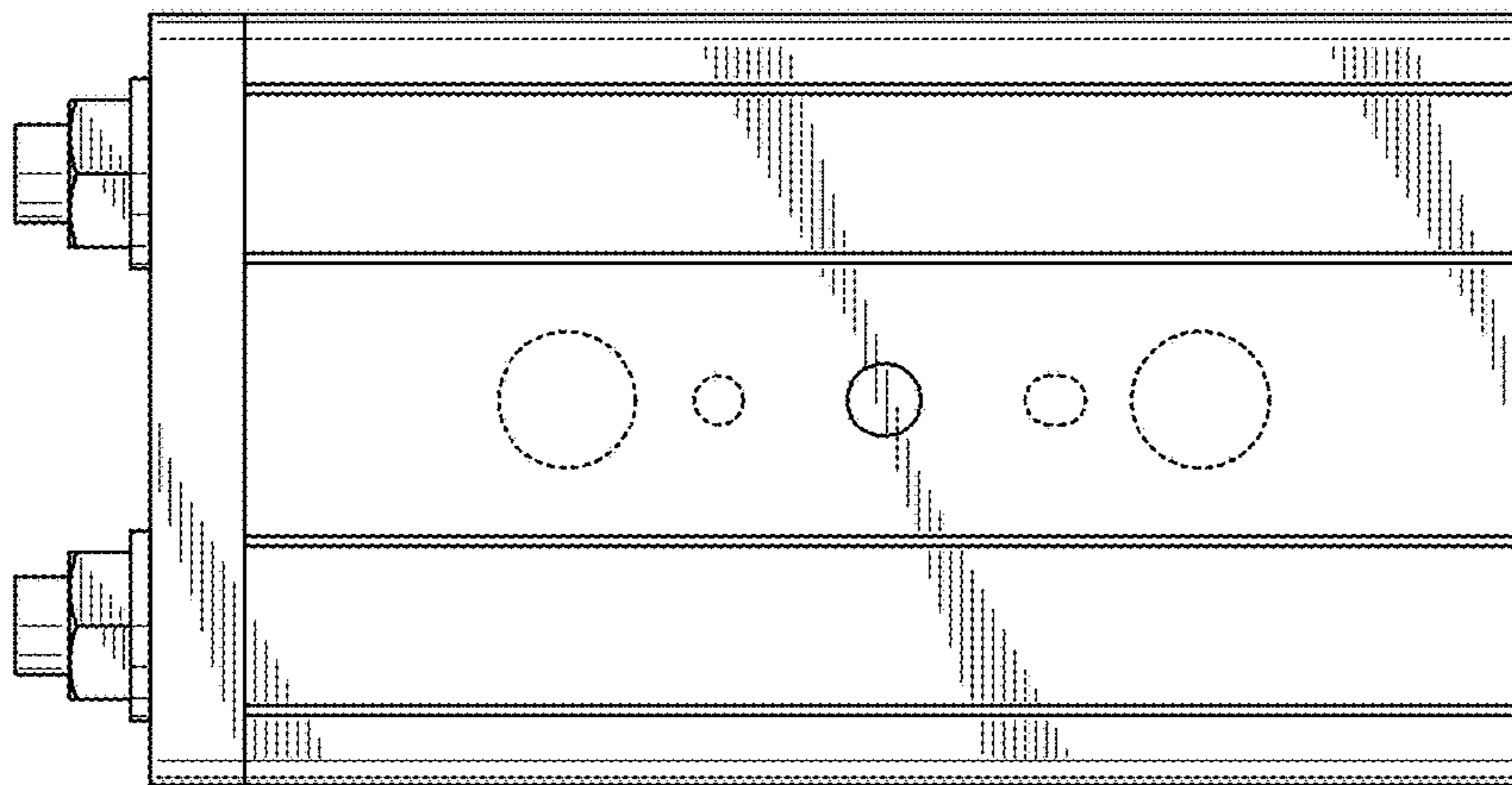


FIG. 7

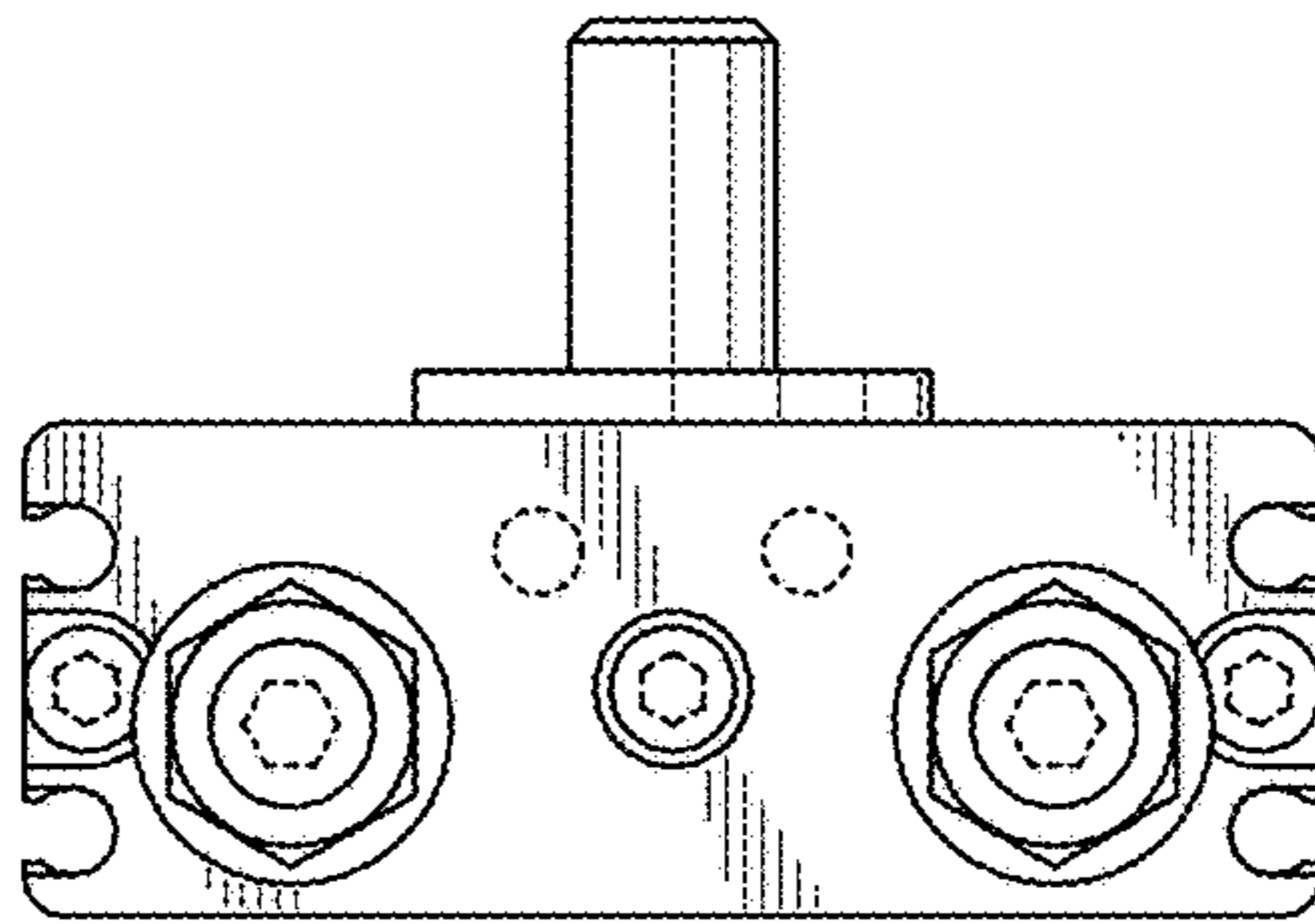


FIG. 8

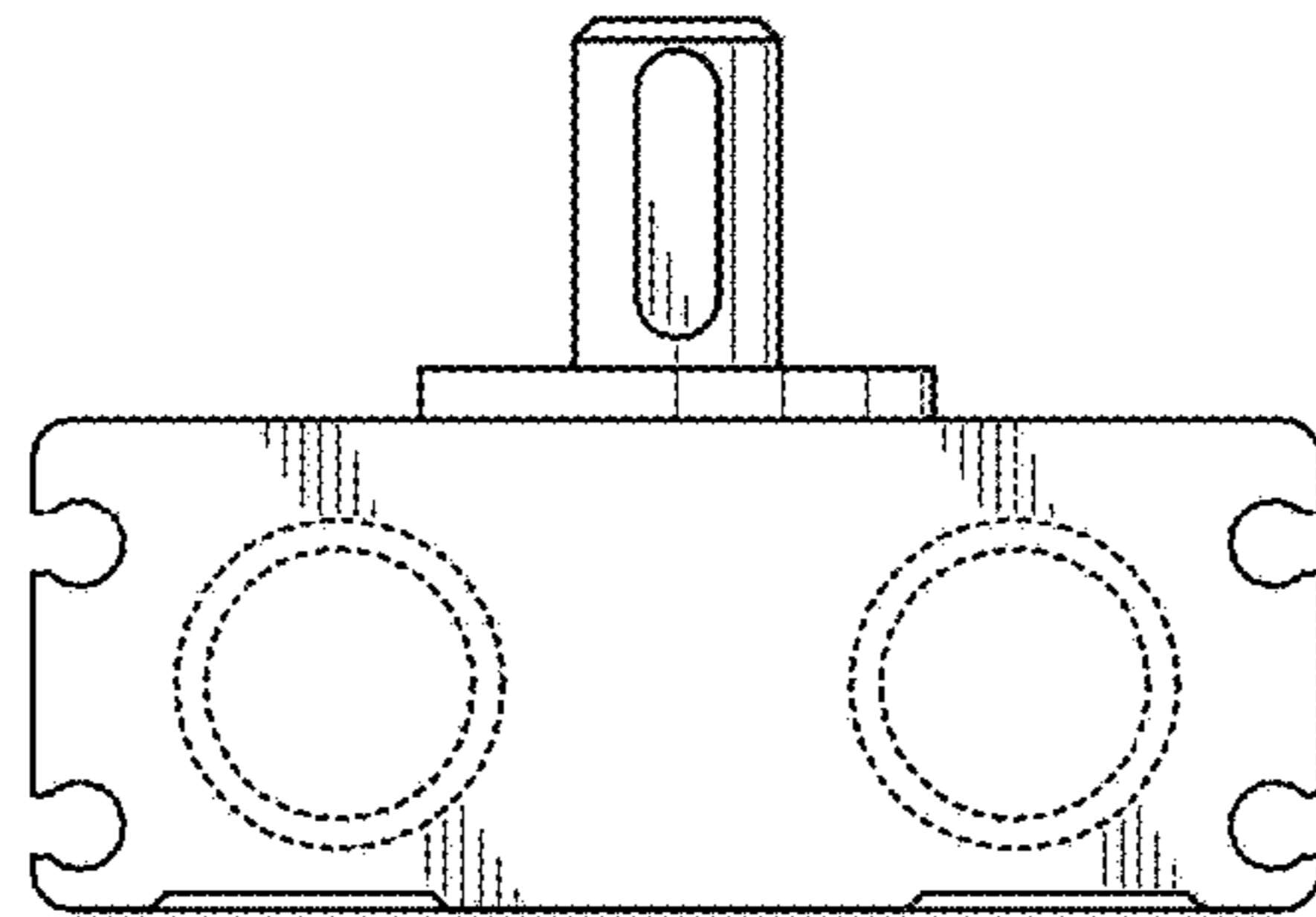


FIG. 9

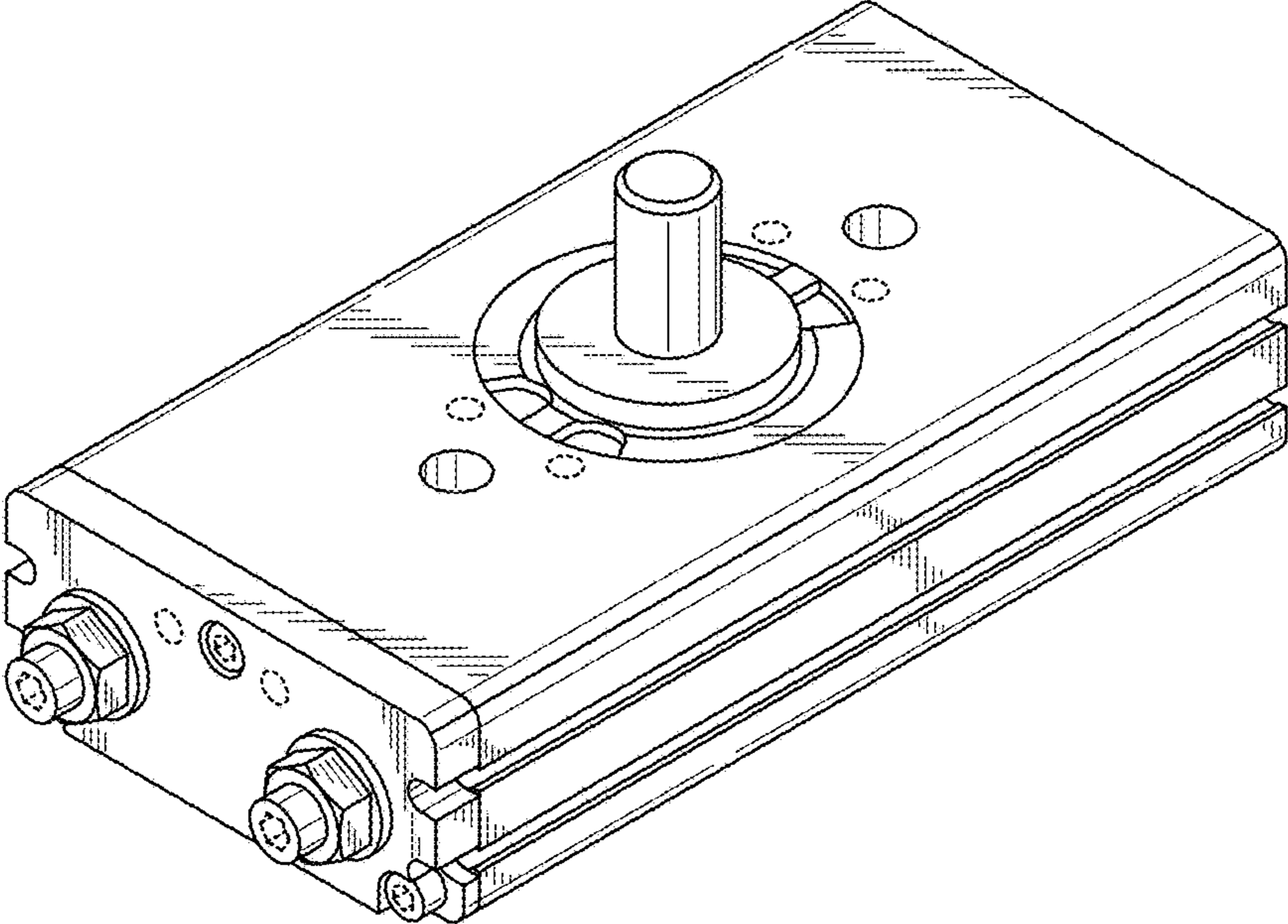


FIG. 10

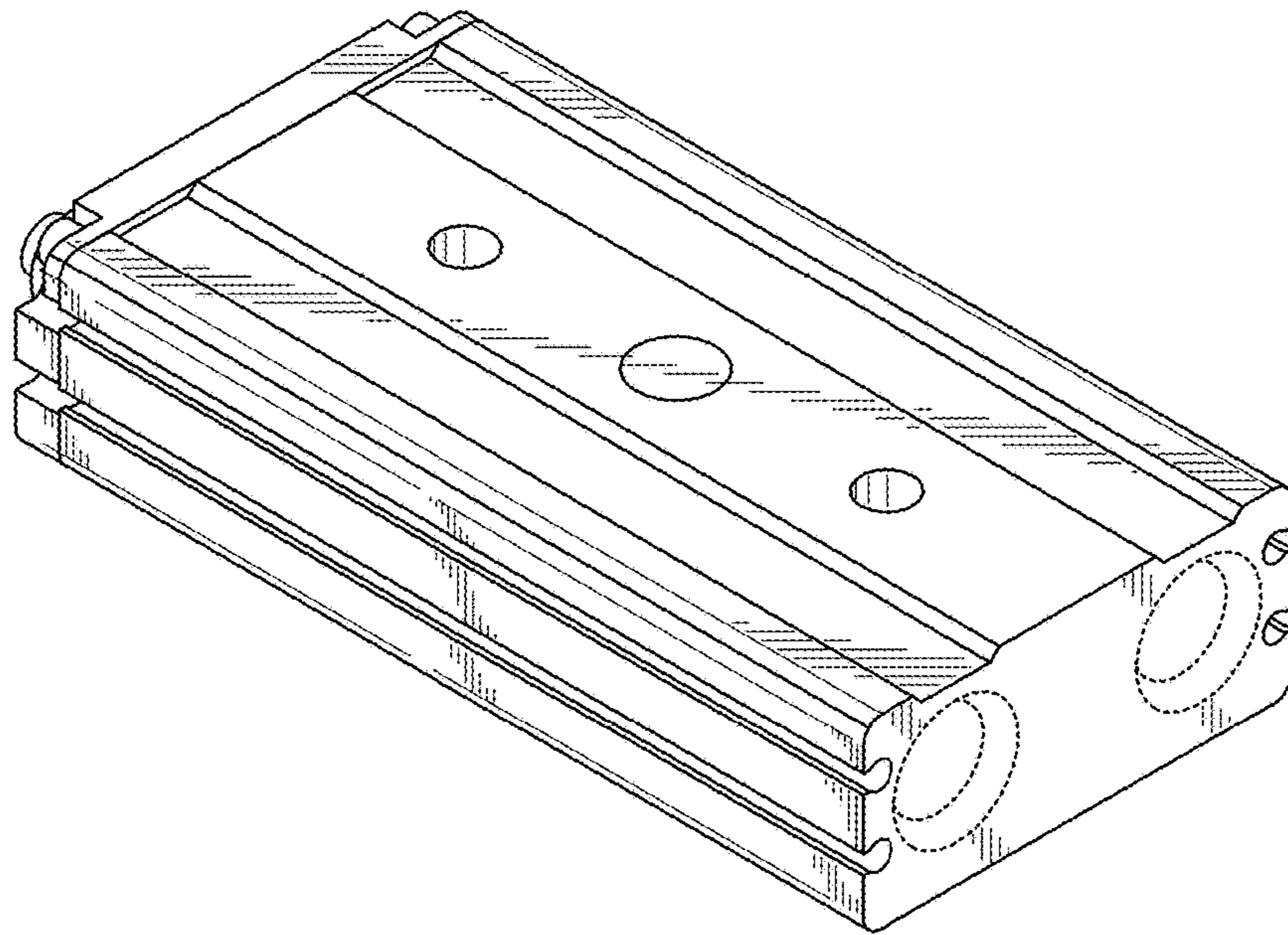


FIG. 11

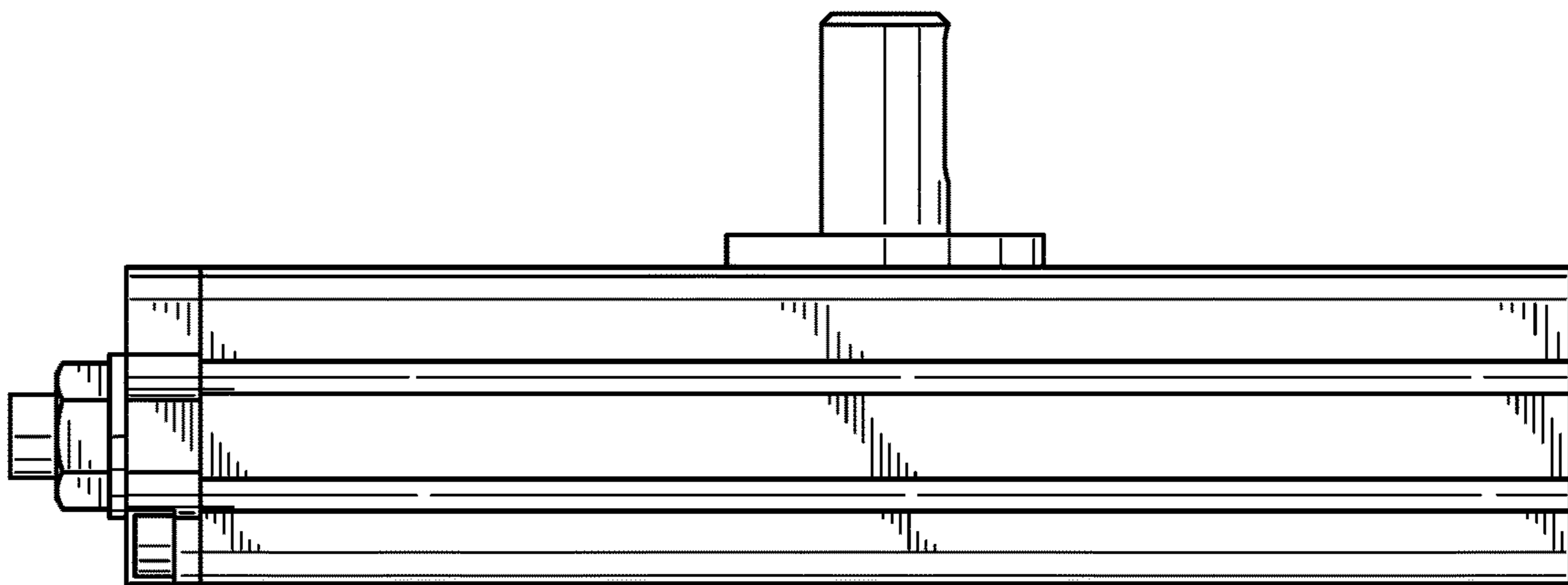


FIG. 12

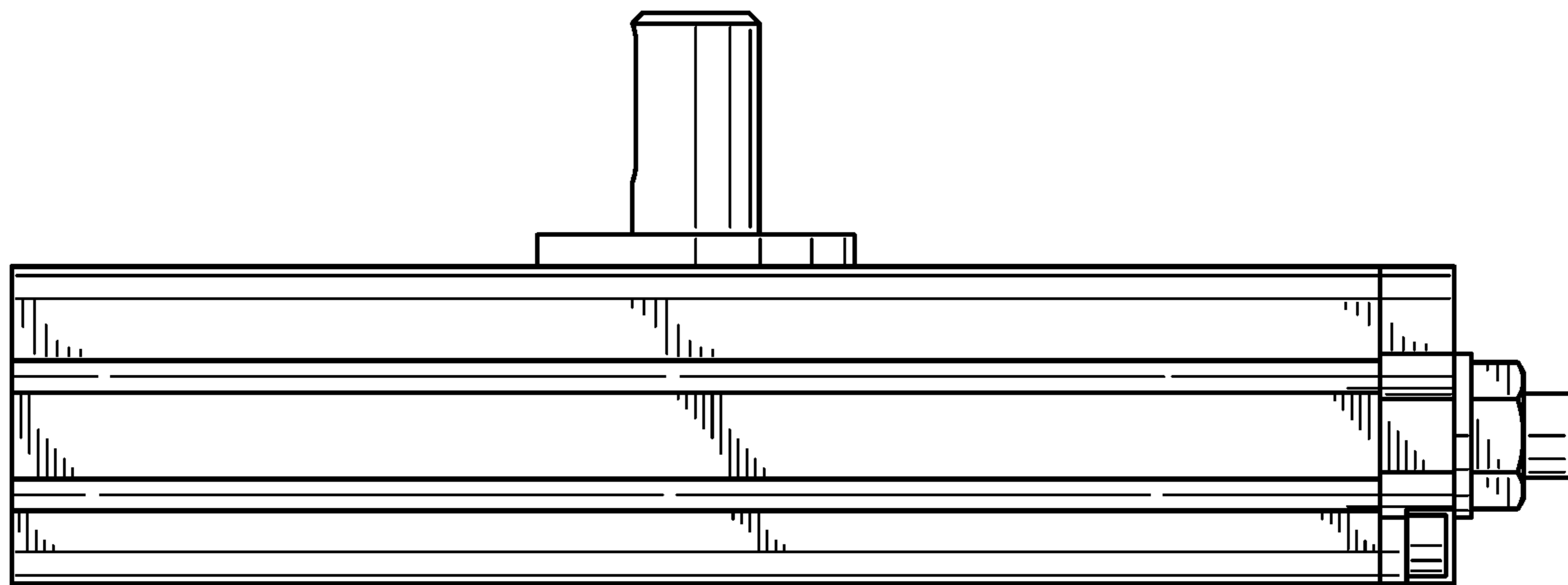


FIG. 13

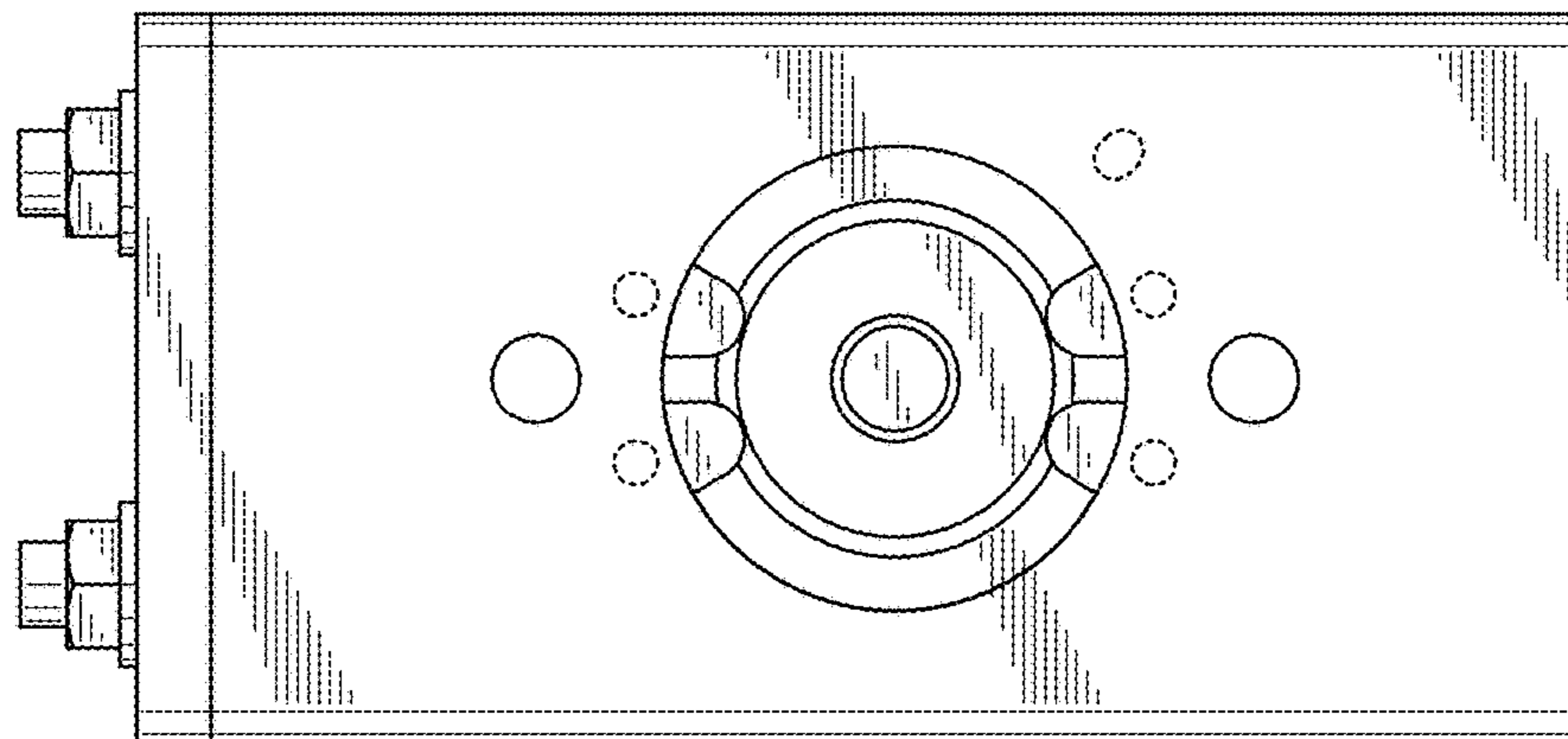


FIG. 14

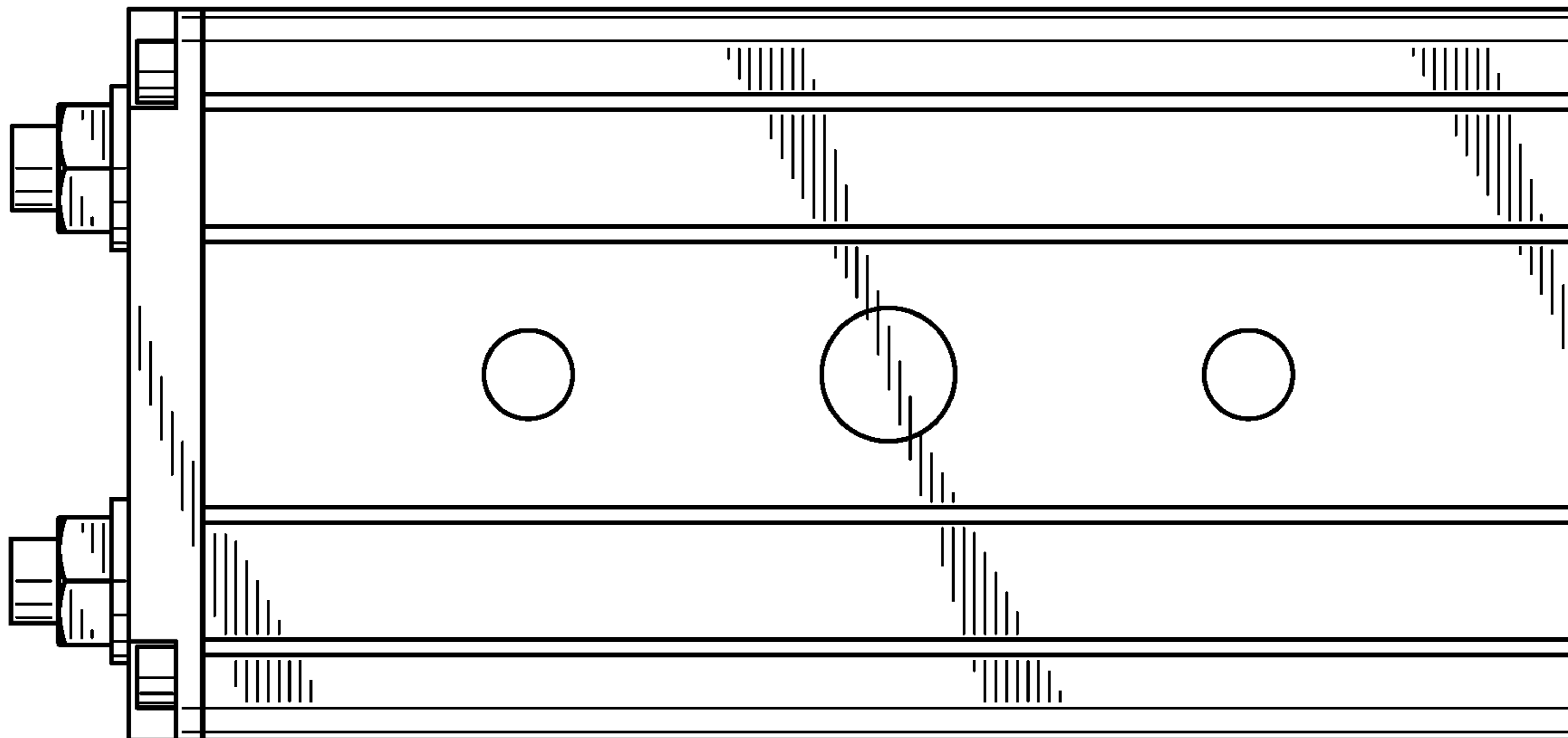


FIG. 15

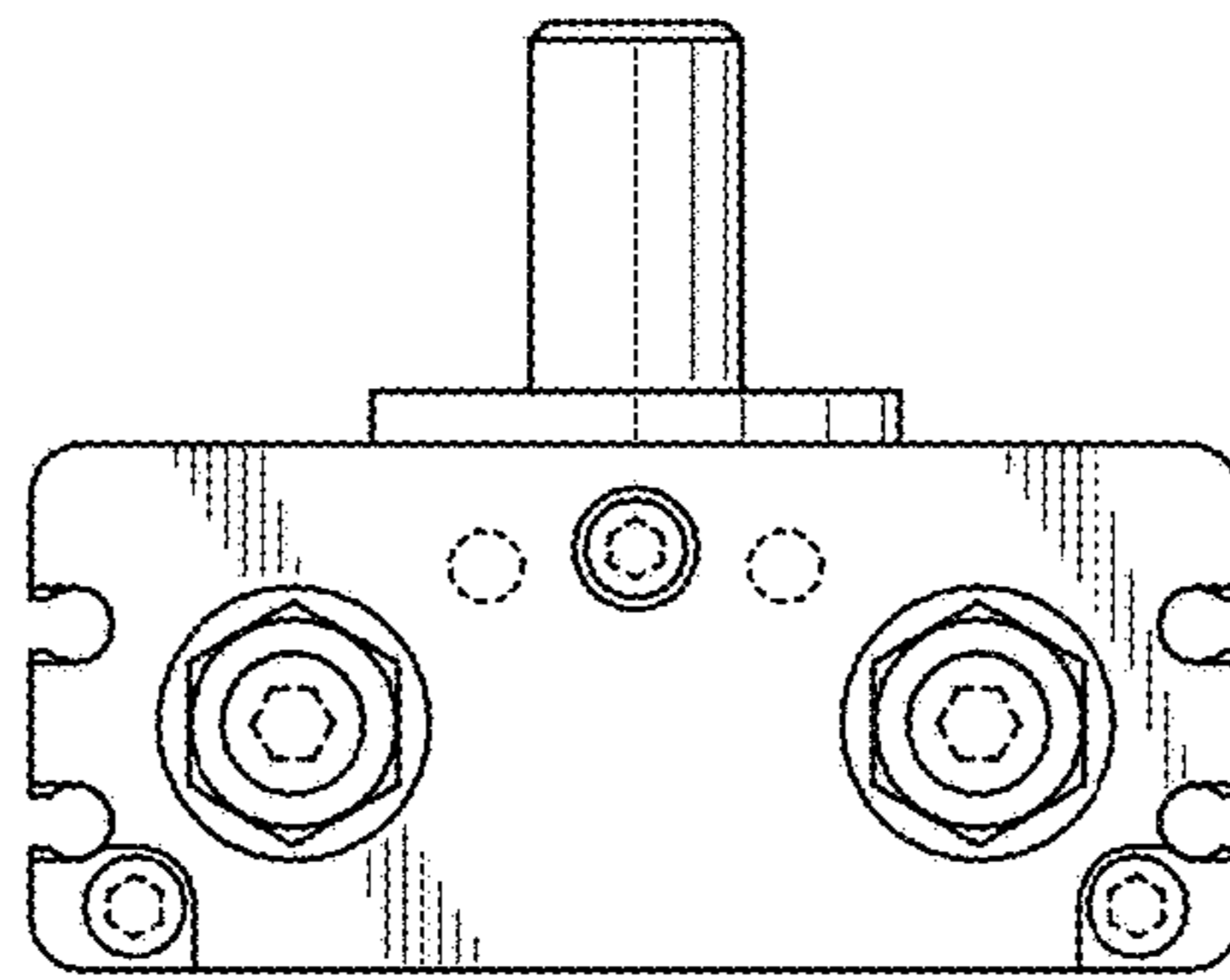


FIG. 16

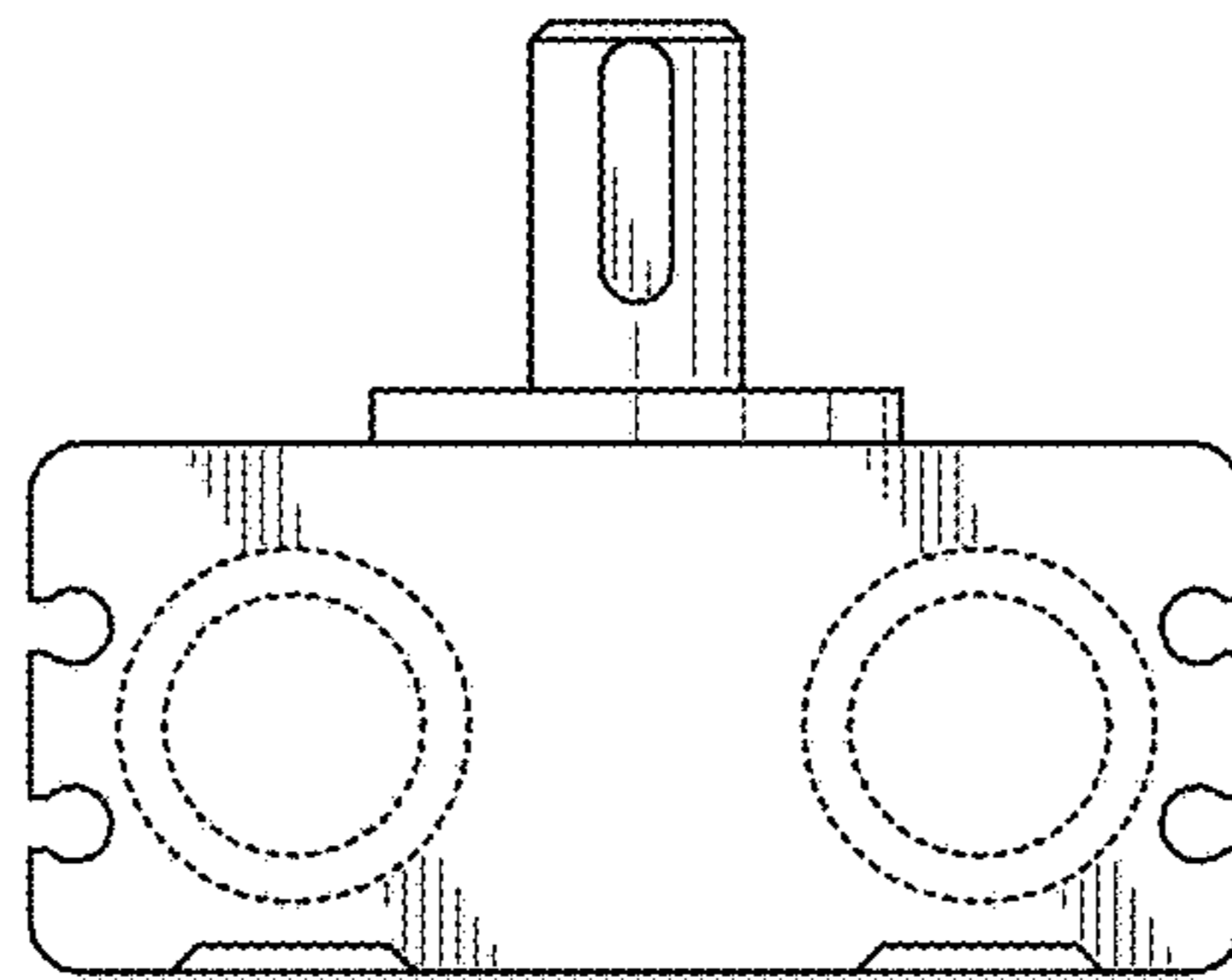


FIG. 17

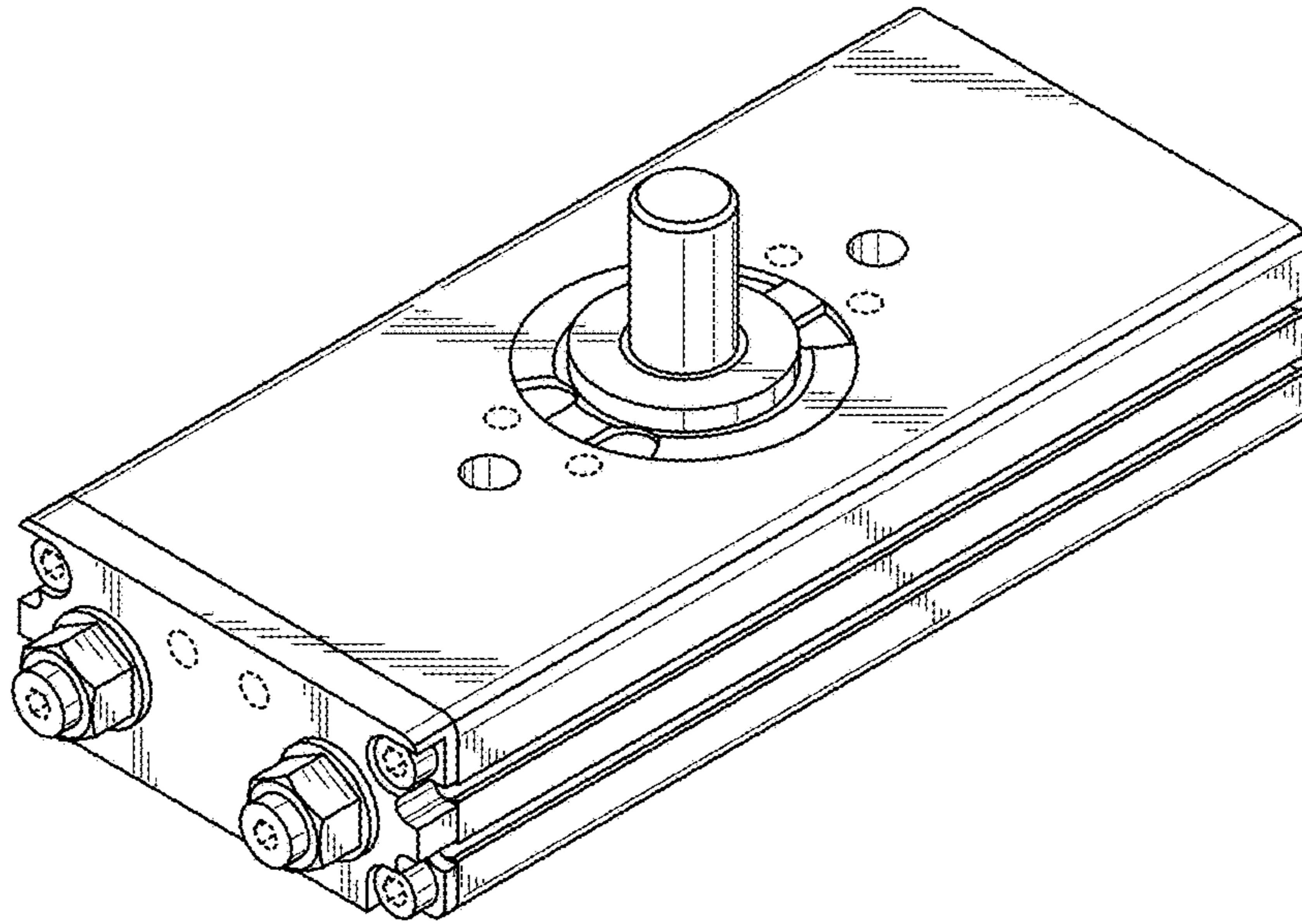


FIG. 18

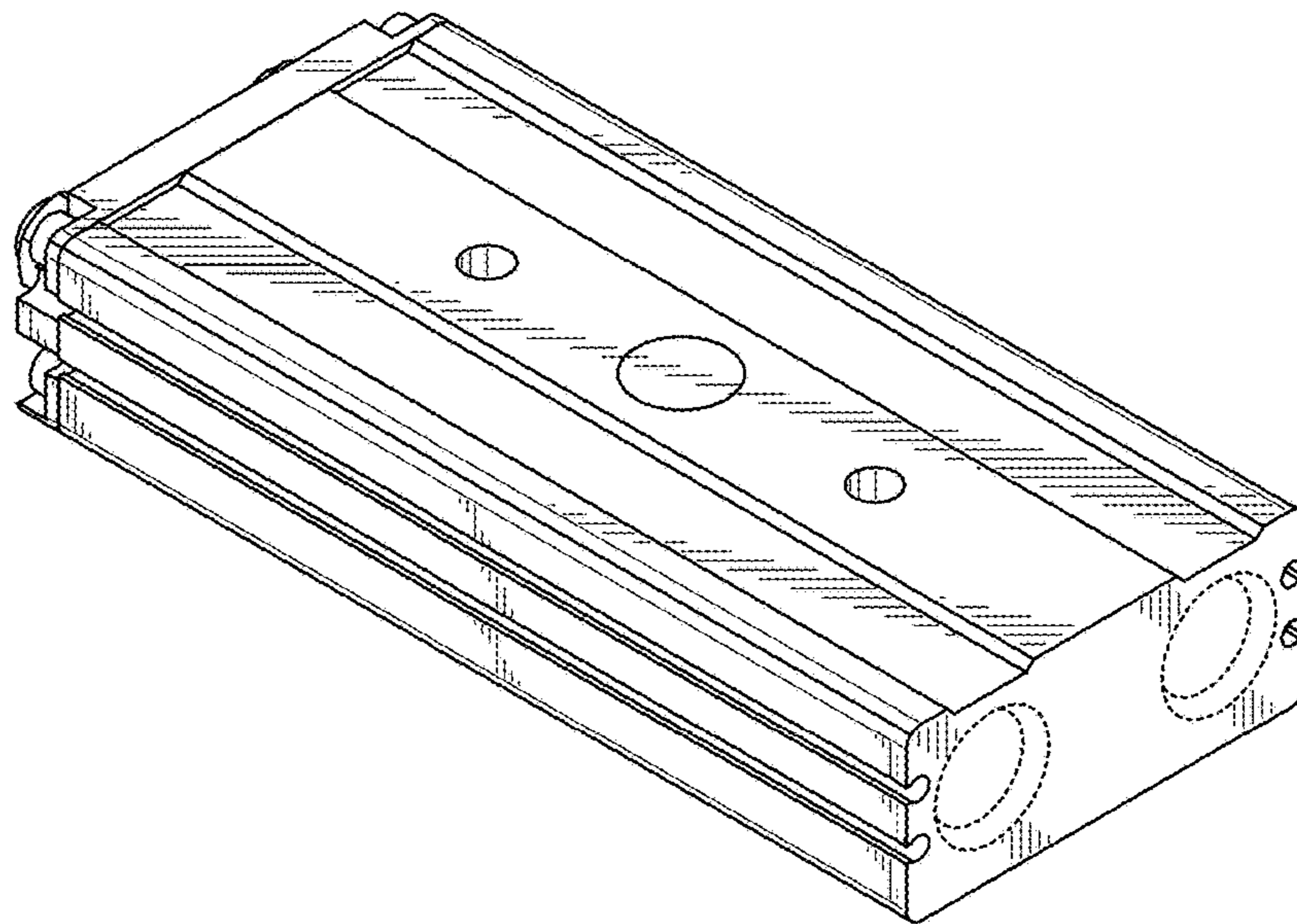


FIG. 19

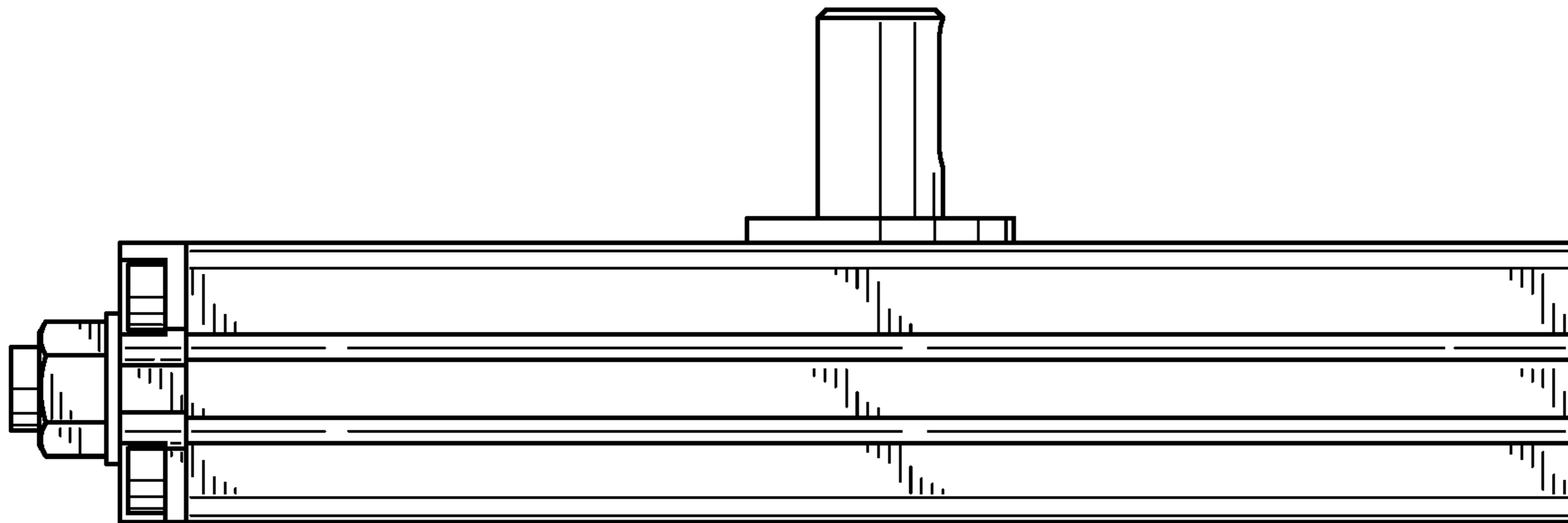


FIG. 20

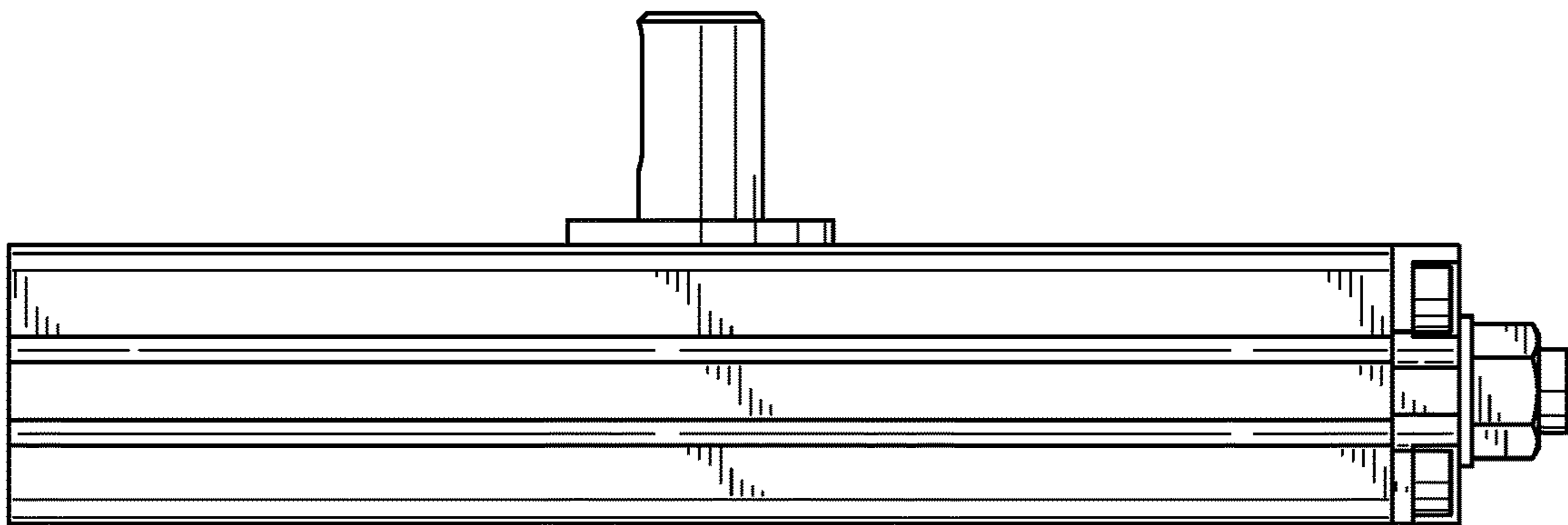


FIG. 21

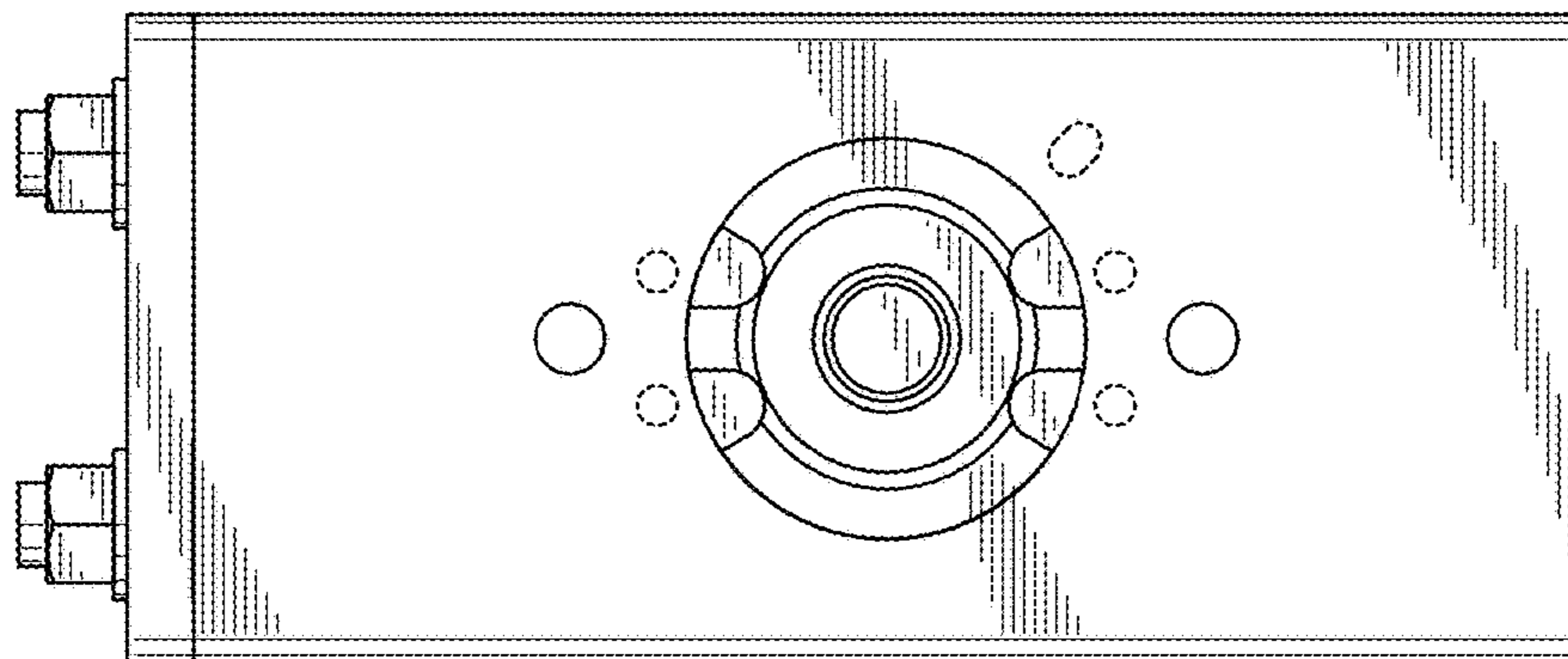


FIG. 22

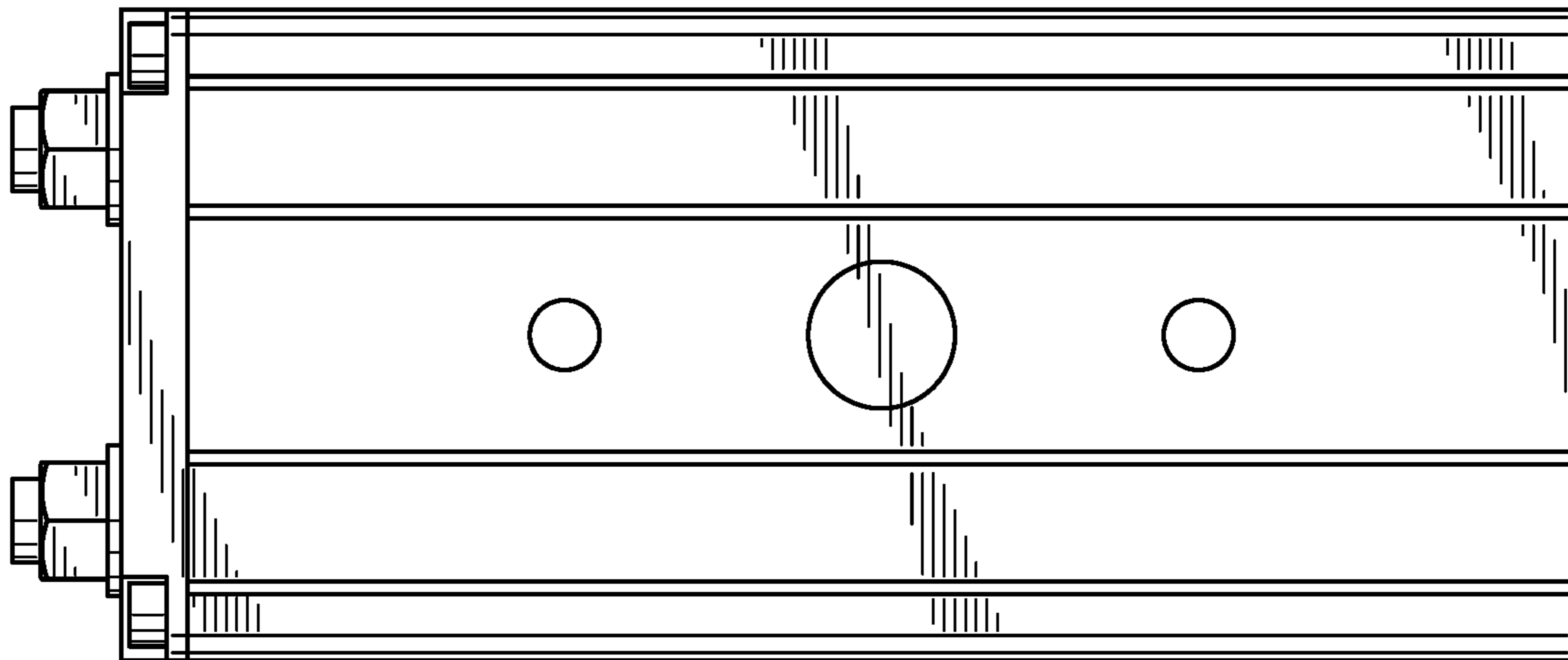


FIG. 23

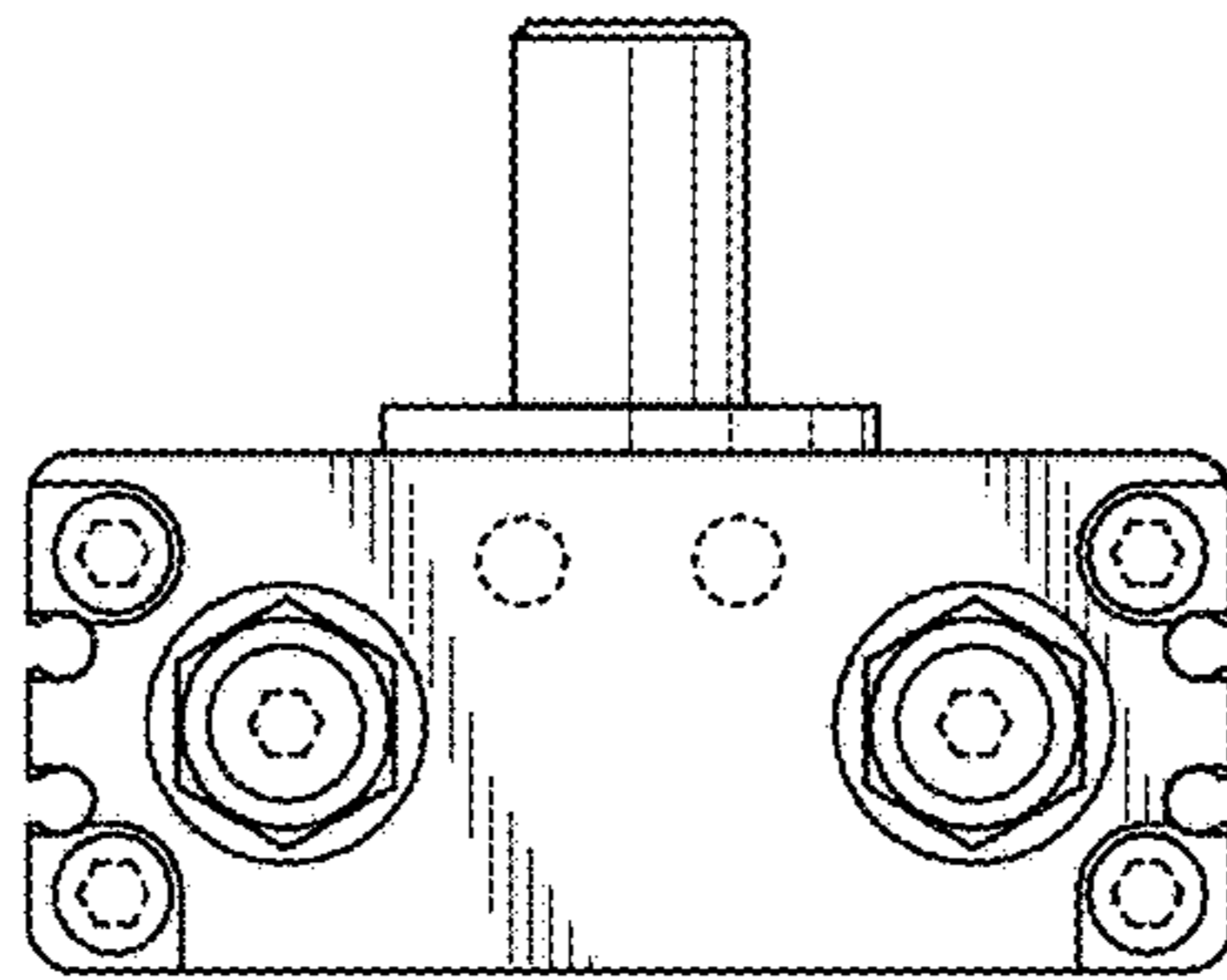


FIG. 24

