



US00D963588S

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

(10) **Patent No.:** **US D963,588 S**  
(45) **Date of Patent:** **\*\* Sep. 13, 2022**

(54) **CONNECTOR**

(71) Applicant: **Japan Aviation Electronics Industry, Limited**, Tokyo (JP)

(72) Inventors: **Satoshi Seki**, Tokyo (JP); **Takahiro Yamaji**, Tokyo (JP)

(73) Assignee: **JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED**, Tokyo (JP)

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

(21) Appl. No.: **29/747,338**

(22) Filed: **Aug. 21, 2020**

(30) **Foreign Application Priority Data**

Mar. 2, 2020 (JP) ..... 2020-004044 D

(51) **LOC (13) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/147**; D13/133; D14/433

(58) **Field of Classification Search**  
USPC ..... D8/105; D10/85; D13/108, 117, 133, D13/137.4, 139.4, 139.7, 146-147, D13/153-154, 160; D14/240, 433, 435.1, D14/480.1; D27/194  
CPC ..... H05K 1/18; H01R 24/20; H01R 24/60; H01R 13/11; H01R 13/405; H01R 13/6581; H01R 13/6596; H01R 43/24; H02J 7/00; H02J 7/0042; H02J 7/0045  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D636,340 S \* 4/2011 Sasaki ..... D13/147  
D759,030 S \* 6/2016 Kim ..... D14/480.1  
D777,677 S \* 1/2017 Chien ..... D13/147  
D815,600 S \* 4/2018 Matsuoka ..... D13/147  
9,948,016 B2 \* 4/2018 Chen ..... H01R 13/11  
D833,444 S \* 11/2018 Chan ..... D14/433

D838,673 S \* 1/2019 Naganuma ..... D13/147  
D867,302 S \* 11/2019 Zhu ..... D13/147  
D887,988 S \* 6/2020 Sakaizawa ..... D13/147  
D887,990 S \* 6/2020 Wang ..... D13/153  
D934,253 S \* 10/2021 Lee ..... D14/433

(Continued)

**OTHER PUBLICATIONS**

Poyiccot, Date: Apr. 23, 2019, [online], [site visited Jan. 26, 2022]. Available from internet, URL: <https://www.amazon.com/Poyiccot-Angled-Degree-Type-C-Charging/dp/B07QXQ921J?th=1> (Year: 2019).\*

*Primary Examiner* — Shawn T Gingrich

*Assistant Examiner* — Bryan N. Melvin

(74) *Attorney, Agent, or Firm* — Manabu Kanekasa

(57) **CLAIM**

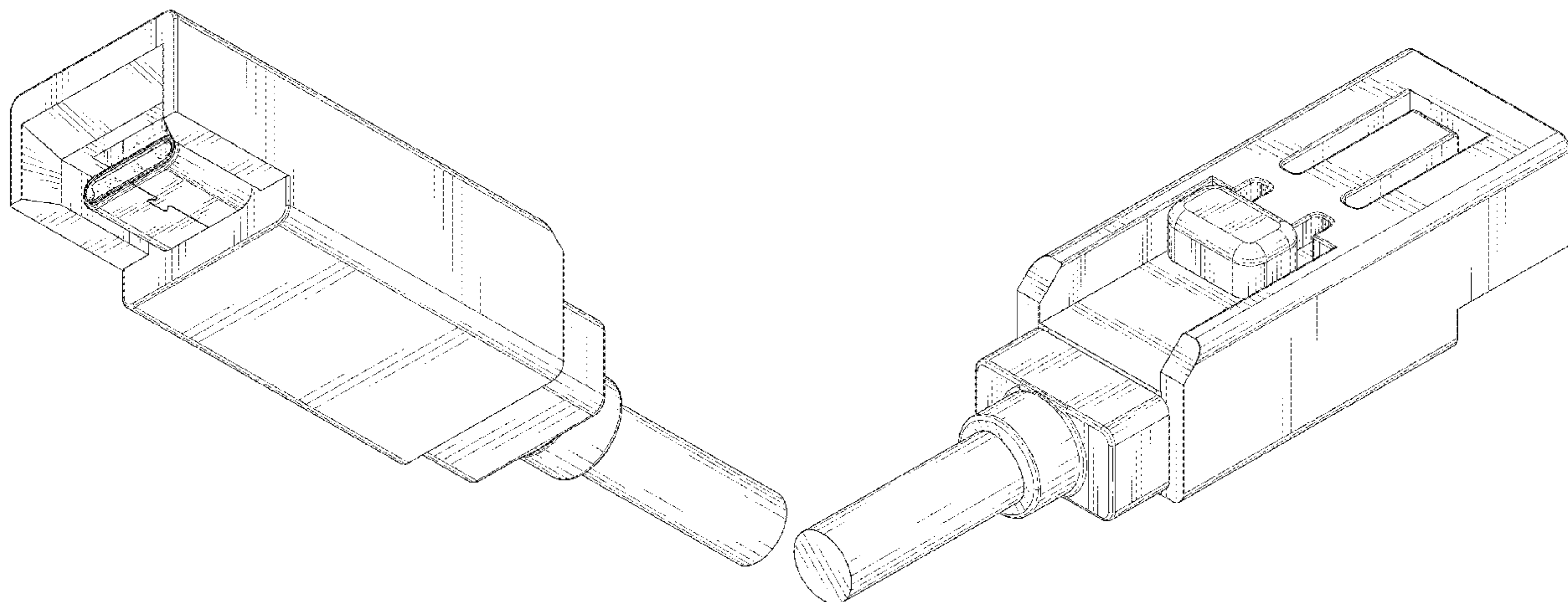
The ornamental design for a connector, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of a connector showing our new design;  
FIG. 2 is a rear elevational view thereof;  
FIG. 3 is a right side elevational view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof;  
FIG. 7 is a perspective view showing a front, top and right side thereof;  
FIG. 8 is a perspective view showing a rear, bottom and left side thereof;  
FIG. 9 is a perspective view showing a front, right and bottom side thereof; and,  
FIG. 10 is a perspective view showing a rear, left and top side thereof.

The broken line showing of the connector is for the purpose of illustrating portions of the article and forms no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2016/0336698 A1\* 11/2016 Chang ..... H05K 1/18  
2017/0194803 A1\* 7/2017 Card ..... H01R 24/60

\* cited by examiner

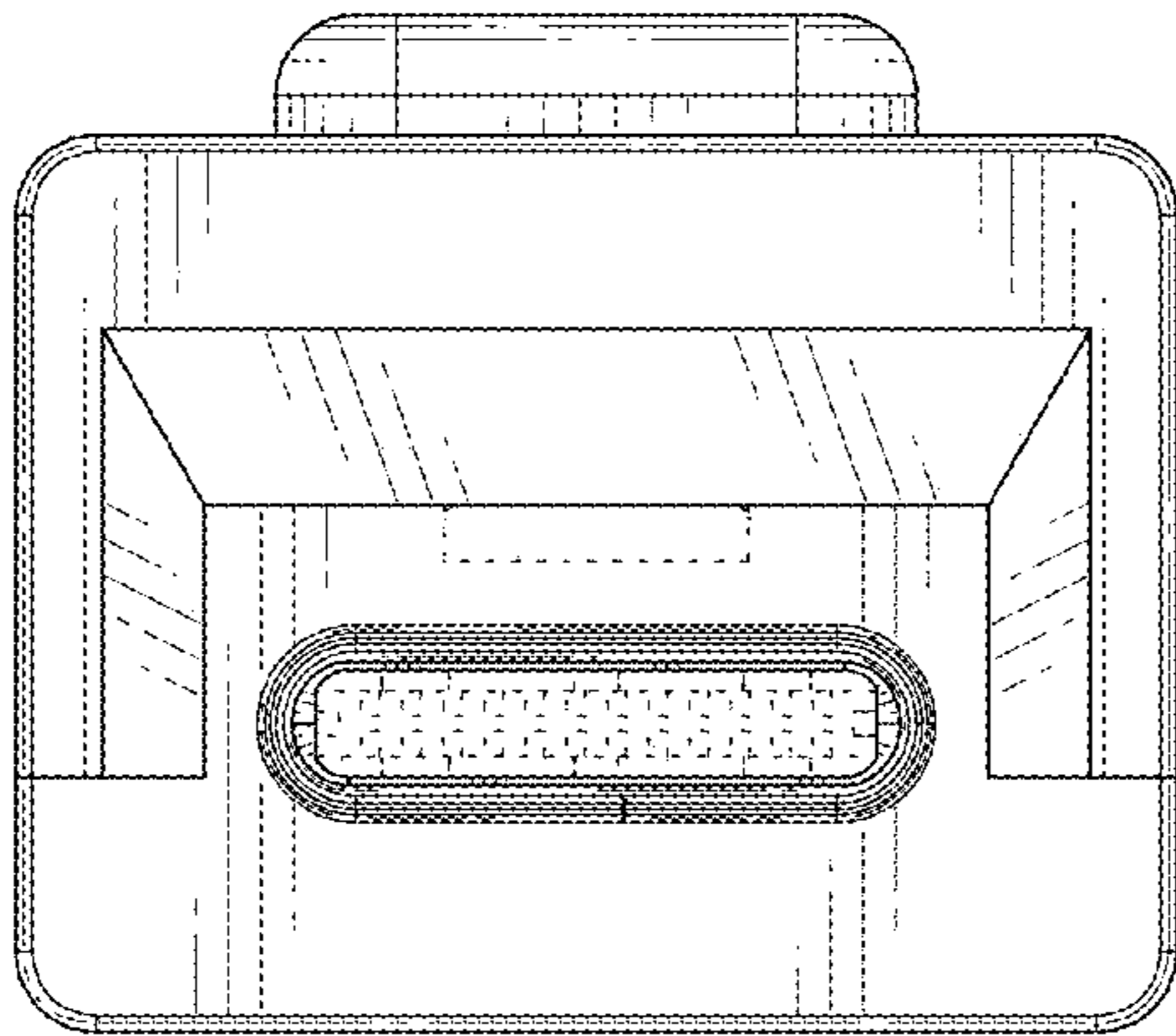


FIG. 1

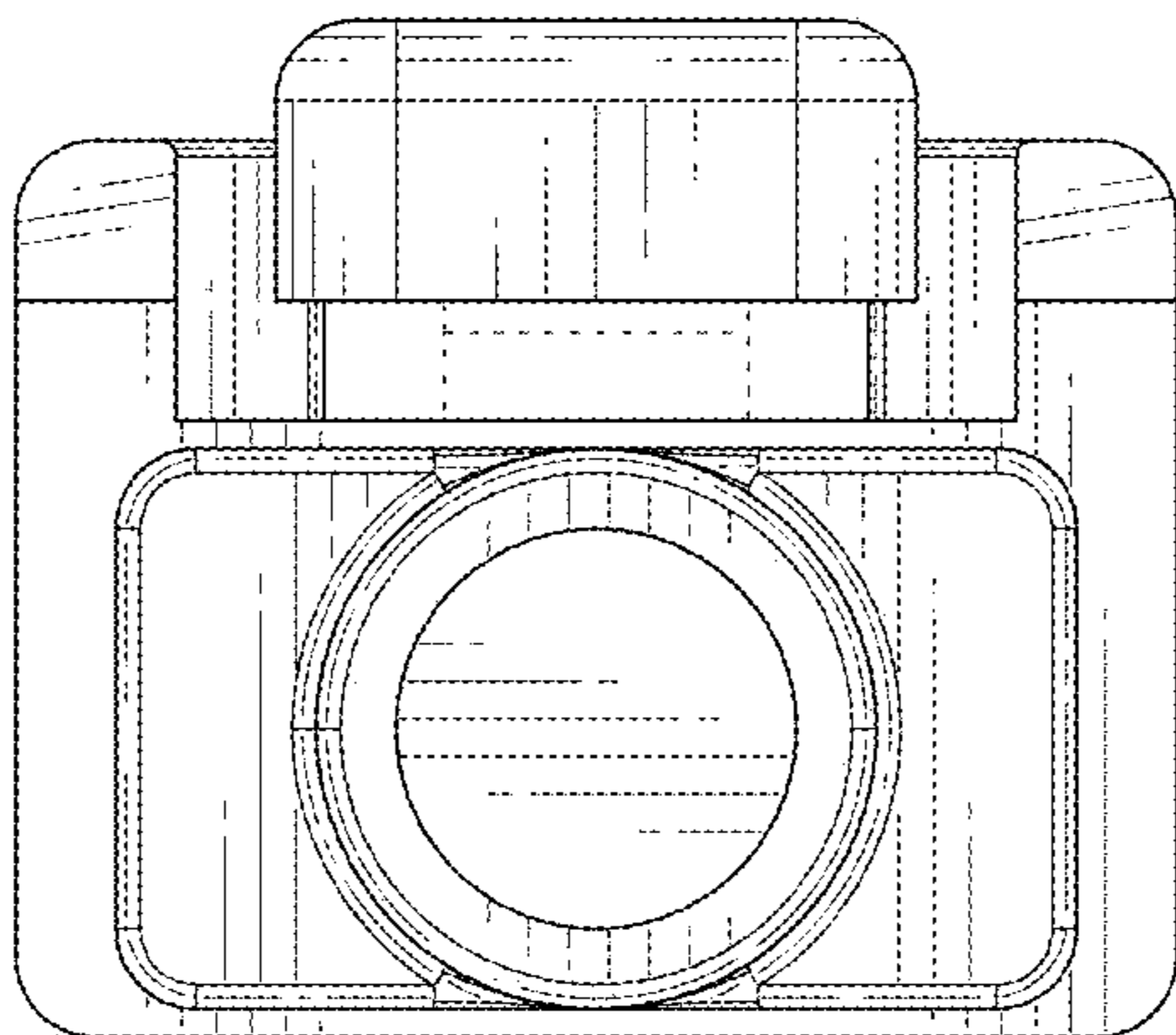


FIG. 2

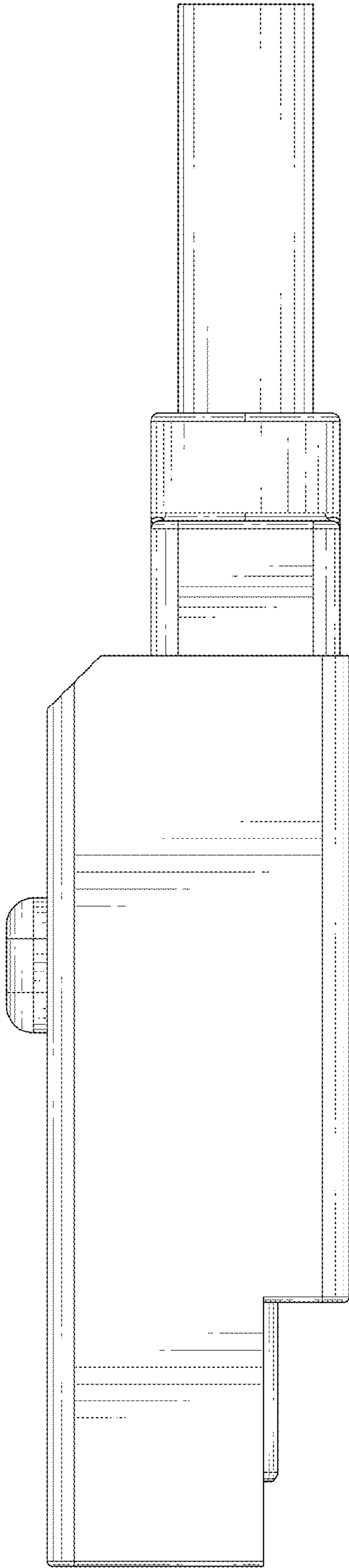


FIG. 3

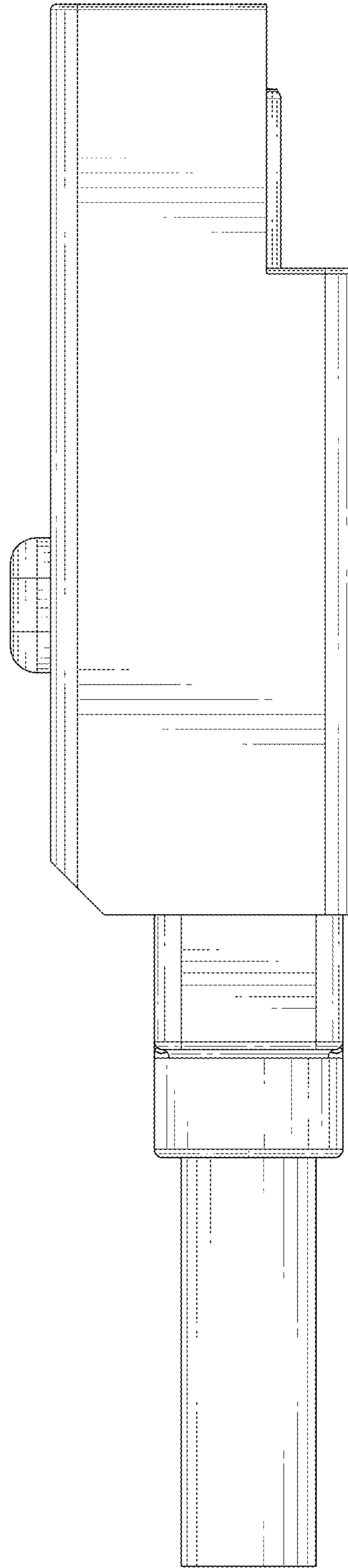


FIG. 4



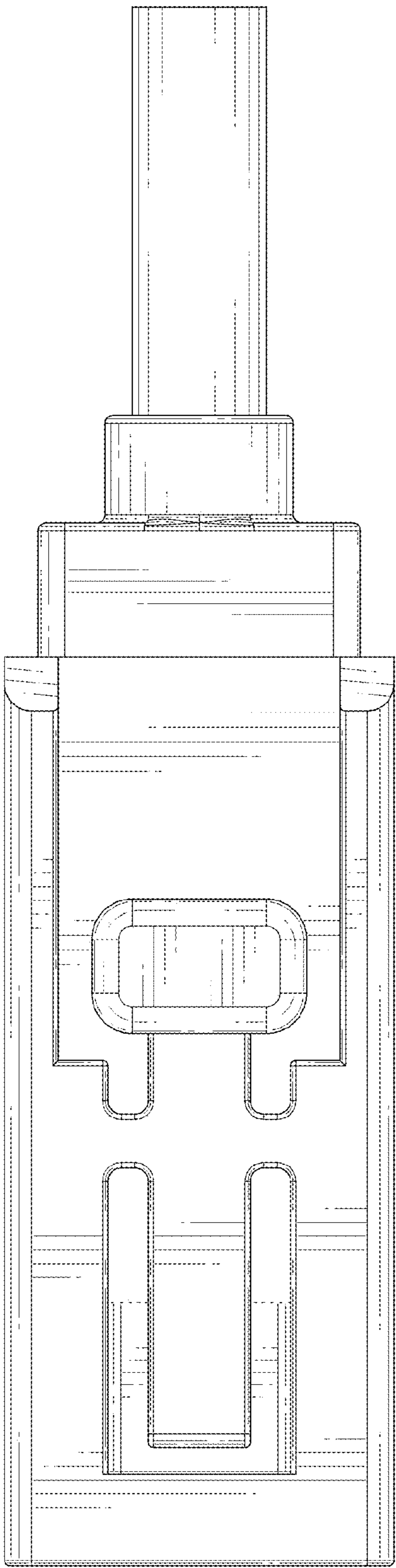


FIG. 5

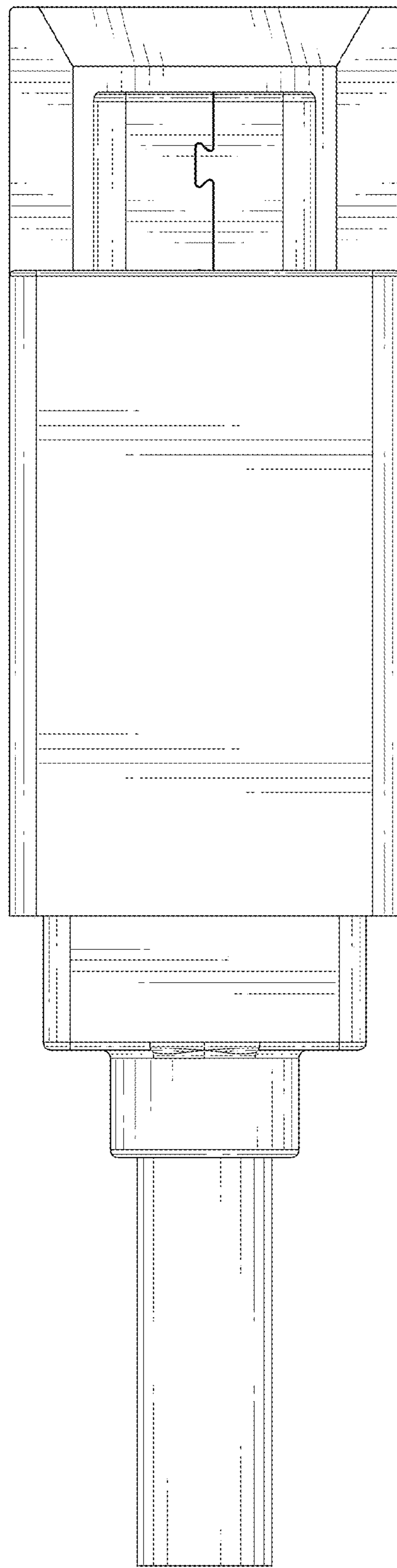


FIG. 6

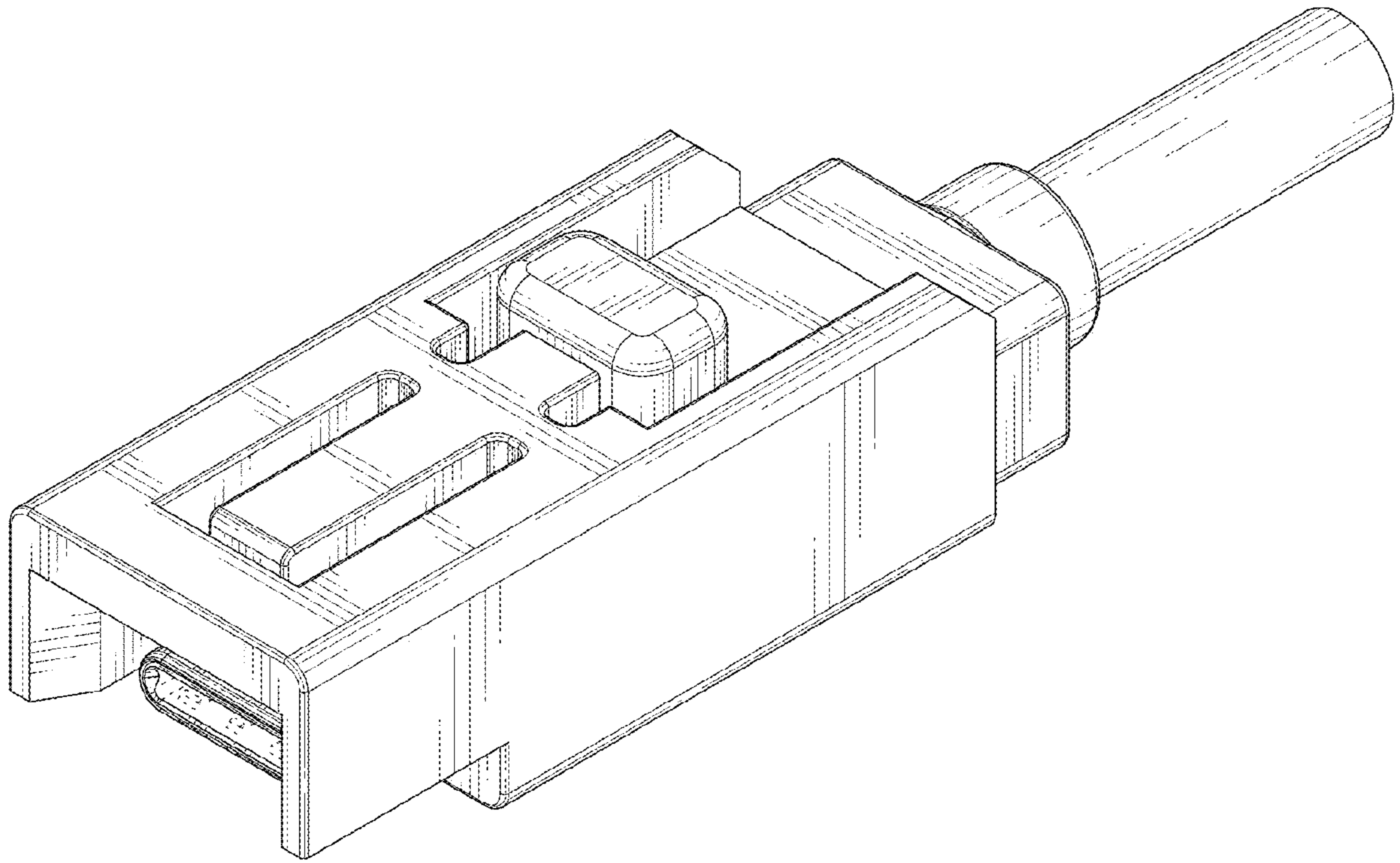


FIG. 7

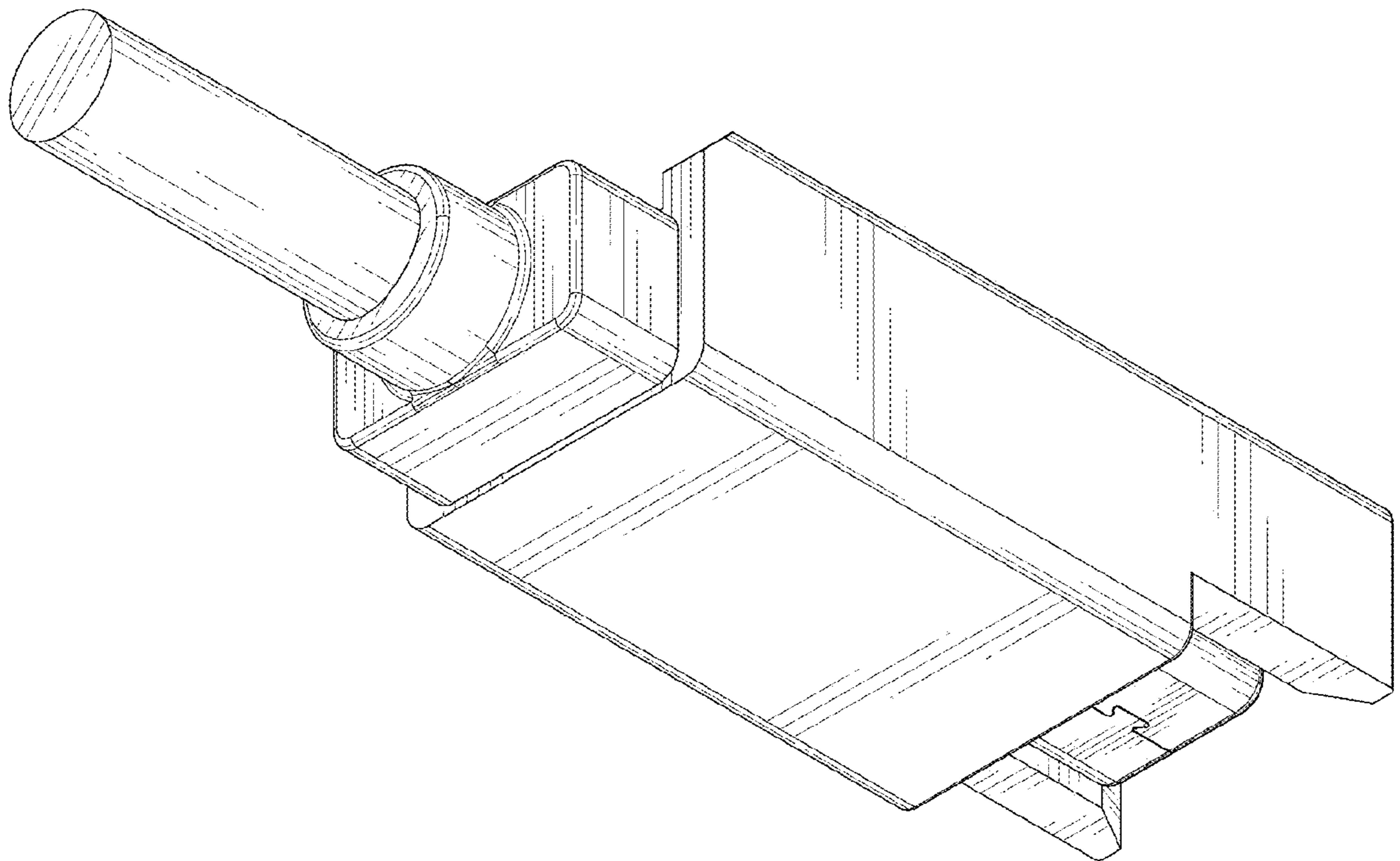


FIG. 8

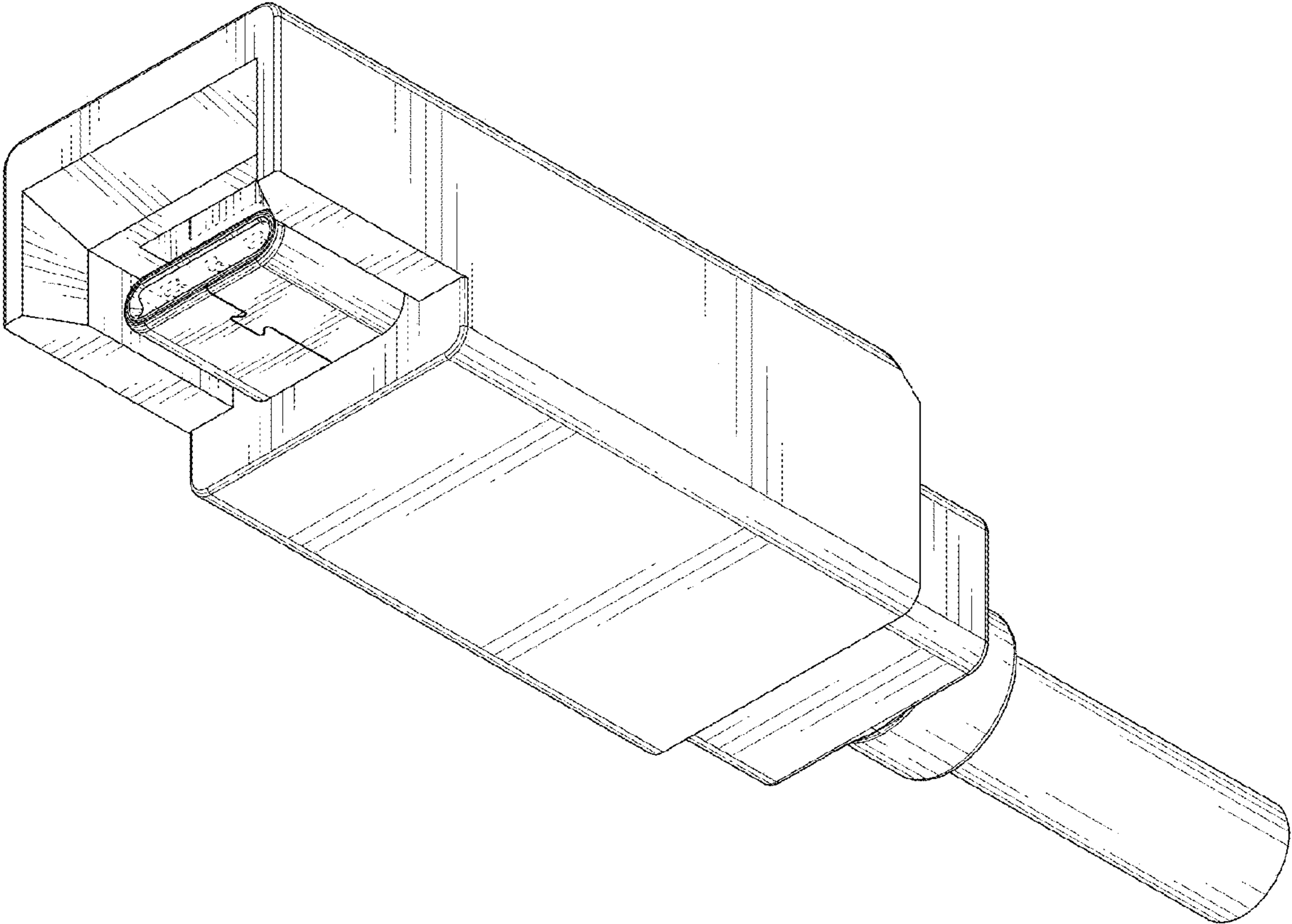


FIG. 9

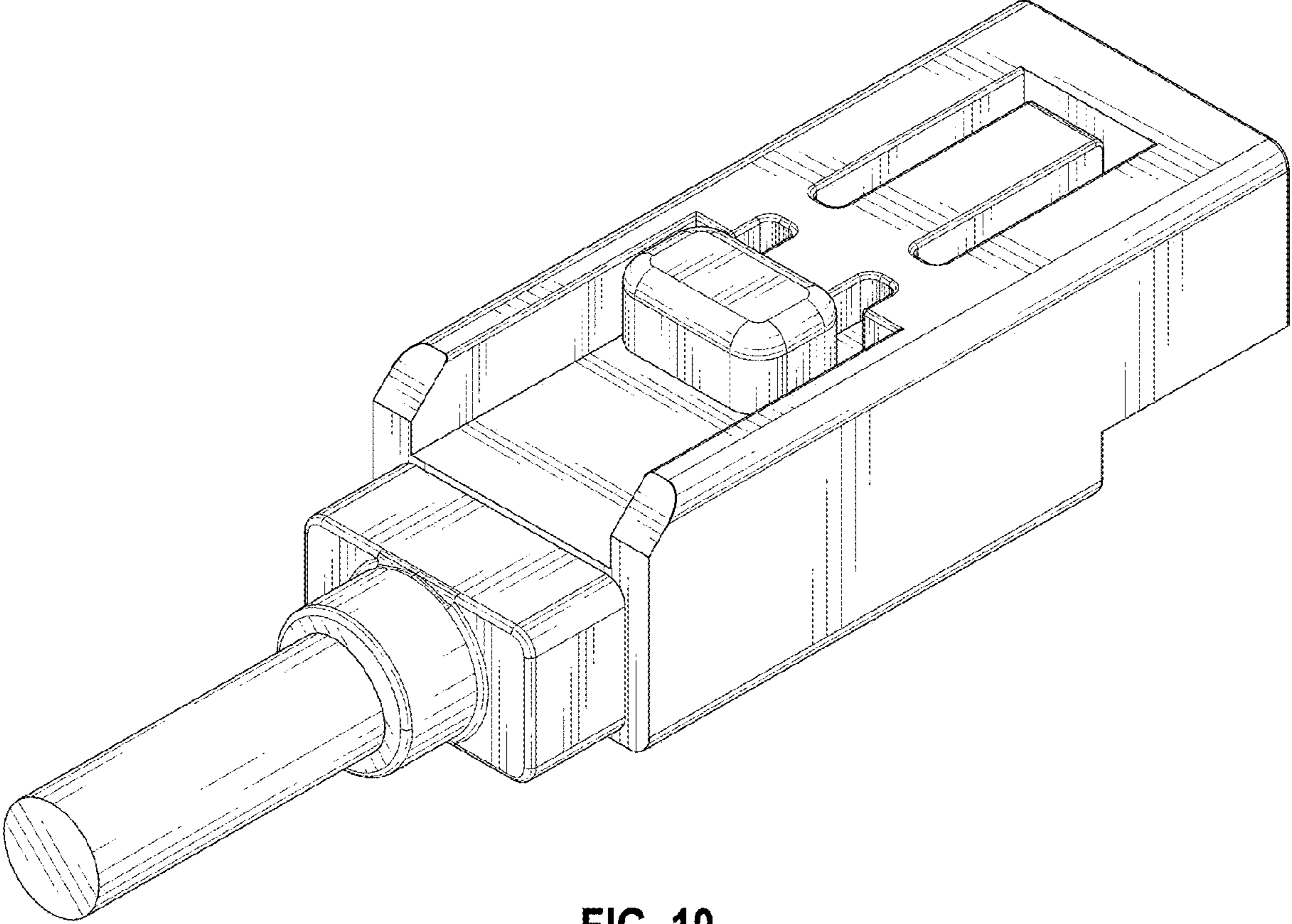


FIG. 10