



US00D892349S

(12) **United States Design Patent** (10) **Patent No.:** **US D892,349 S**  
**Gardner et al.** (45) **Date of Patent:** **\*\* Aug. 4, 2020**

(54) **SAMPLER CARTRIDGE**

D639,939 S \* 6/2011 Klockars ..... D24/129  
(Continued)

(71) Applicant: **SNPSHOT TRUSTEE LIMITED**,  
Auckland (NZ)

**FOREIGN PATENT DOCUMENTS**

(72) Inventors: **Michael Stuart Gardner**, Auckland  
(NZ); **Roy Victor Bladen**, Auckland  
(NZ); **Rory Bladen**, Auckland (NZ)

EP 1014861 A1 7/2000  
EP 1781086 A2 5/2007  
(Continued)

(73) Assignee: **SNPSHOT TRUSTEE LIMITED**,  
Auckland (NZ)

**OTHER PUBLICATIONS**

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

The SNPshot Lite Sampler. Online, published date unknown. Retrieved  
on May 20, 2019 from URL: <https://snpshot.com/>.\*

(21) Appl. No.: **29/639,768**

*Primary Examiner* — Susan Bennett Hattan

(22) Filed: **Mar. 8, 2018**

*Assistant Examiner* — Omeed Agilee

(30) **Foreign Application Priority Data**

(74) *Attorney, Agent, or Firm* — Joseph G. Chu; Jeremy  
I. Maynard; JCIP

Sep. 8, 2017 (AU) ..... 201715397

(51) **LOC (12) Cl.** ..... **24-02**

(57) **CLAIM**

(52) **U.S. Cl.**  
USPC ..... **D24/224**

We claim the ornamental design for the sampler cartridge, as  
shown and described.

(58) **Field of Classification Search**  
USPC ..... D24/107, 112, 113, 128, 129, 186, 216,  
D24/219, 223, 224, 231, 232, 233;  
D23/129, 223, 249, 259; D8/97, 300,  
D8/310, 349

**DESCRIPTION**

CPC .... A44C 5/0007; A44C 5/0023; A61M 5/158;  
A61M 5/1582

See application file for complete search history.

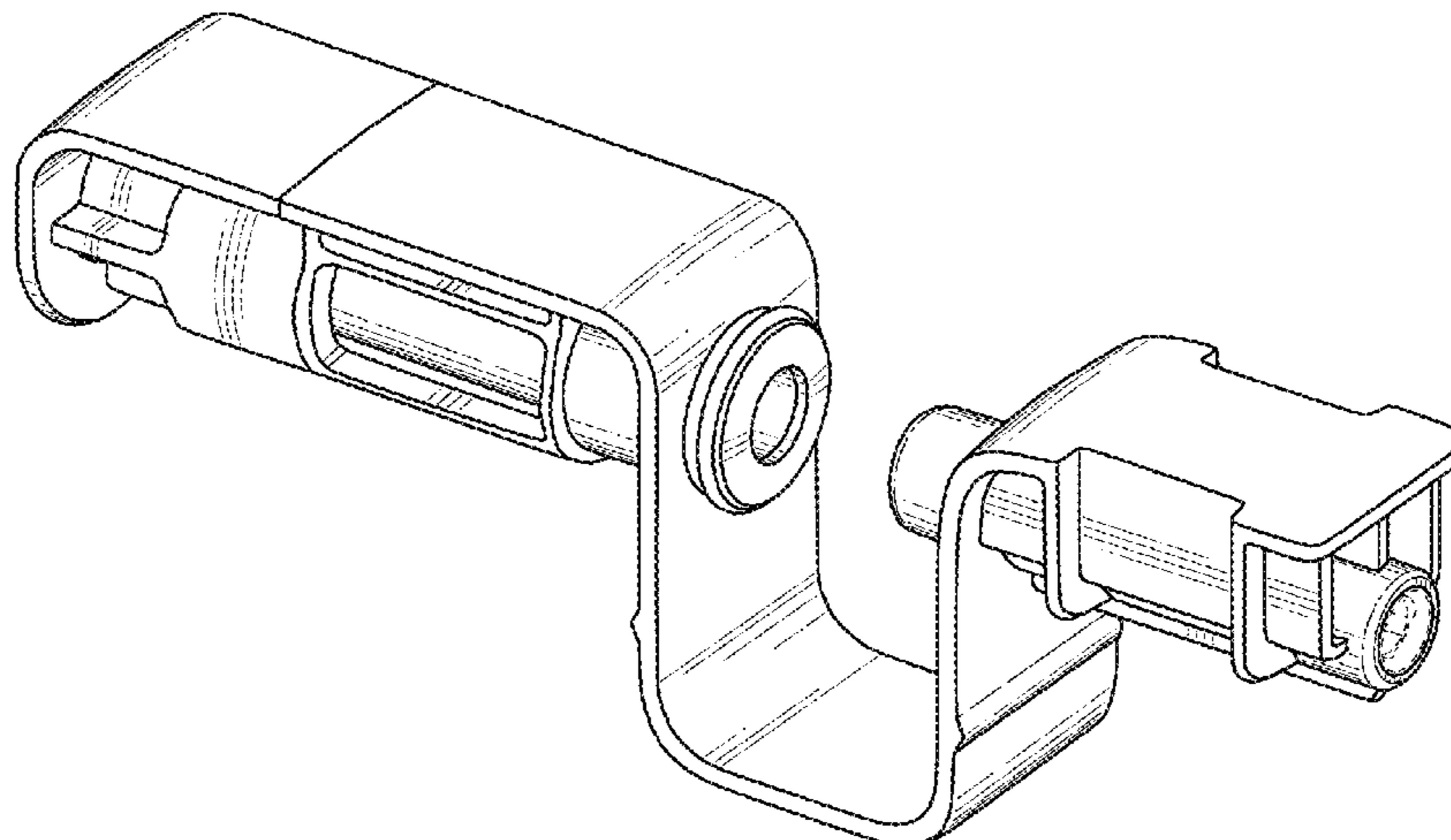
FIG. 1 is a front top perspective view of a sampler cartridge;  
FIG. 2 is a bottom back perspective view of the sampler  
cartridge;  
FIG. 3 is a back top perspective view of the sampler  
cartridge;  
FIG. 4 is a back perspective view of the sampler cartridge;  
FIG. 5 is a side view of the sampler cartridge;  
FIG. 6 is a top view of the sampler cartridge;  
FIG. 7 is a front view of the sampler cartridge; and,  
FIG. 8 is a back view of the sampler cartridge.  
The broken lines are directed to the internal environment of  
the front cylindrical element of the sampler cartridge that  
form no part of the claimed design and are hereby dis-  
claimed.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D267,037 S \* 11/1982 Spranger ..... D24/162  
D300,361 S \* 3/1989 Tokarz ..... D24/129  
D430,933 S \* 9/2000 Reil ..... D24/146  
D450,383 S \* 11/2001 Mann ..... D24/146  
6,659,338 B1 12/2003 Dittmann et al.  
D497,989 S \* 11/2004 Myrick ..... D24/110.6  
D504,506 S \* 4/2005 Beck ..... D24/111  
D505,199 S \* 5/2005 Beck ..... D24/111  
6,947,866 B2 9/2005 Staab  
6,968,639 B2 11/2005 Destoumieux  
7,235,055 B2 6/2007 Pfistershammer

**1 Claim, 3 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D641,080 S \* 7/2011 Zinger ..... D24/129  
 8,070,757 B2 12/2011 Eadie  
 D822,225 S \* 7/2018 Moon ..... D24/224  
 D823,472 S \* 7/2018 Newman ..... D24/164  
 D840,787 S \* 2/2019 Pine ..... D8/349  
 D843,567 S \* 3/2019 Gloria Bello ..... D24/129  
 2004/0103567 A1 6/2004 Destoumieux  
 2005/0228310 A1 10/2005 Pfistershammer  
 2008/0064983 A1 3/2008 Stromberg et al.  
 2008/0227662 A1 9/2008 Stromberg et al.  
 2009/0270878 A1 10/2009 Eadie  
 2012/0010526 A1 1/2012 Hilpert et al.  
 2013/0204159 A1 8/2013 Destoumieux et al.  
 2016/0262735 A1\* 9/2016 Gundberg ..... A61B 10/0266

FOREIGN PATENT DOCUMENTS

EP 1781086 B1 7/2008  
 EP 2066170 A1 6/2009  
 EP 2066170 B1 7/2010  
 EP 2579782 A1 4/2013  
 EP 1014861 B2 4/2014  
 WO 1999012475 A1 3/1999  
 WO 2006000869 A2 1/2006  
 WO 2006000869 A3 4/2006  
 WO 2007013820 A1 2/2007  
 WO 2008037802 A1 4/2008  
 WO 2011154510 A1 4/2013  
 WO 2014196876 A1 12/2014  
 WO 2014196877 A1 12/2014  
 WO 2015056225 A1 4/2015  
 WO 2015056226 A1 4/2015  
 WO 2015056227 A1 4/2015  
 WO 2015056228 A1 4/2015  
 WO 2015056229 A1 4/2015  
 WO 2016107825 A1 7/2016

EP 1014861 B1 7/2008

\* cited by examiner

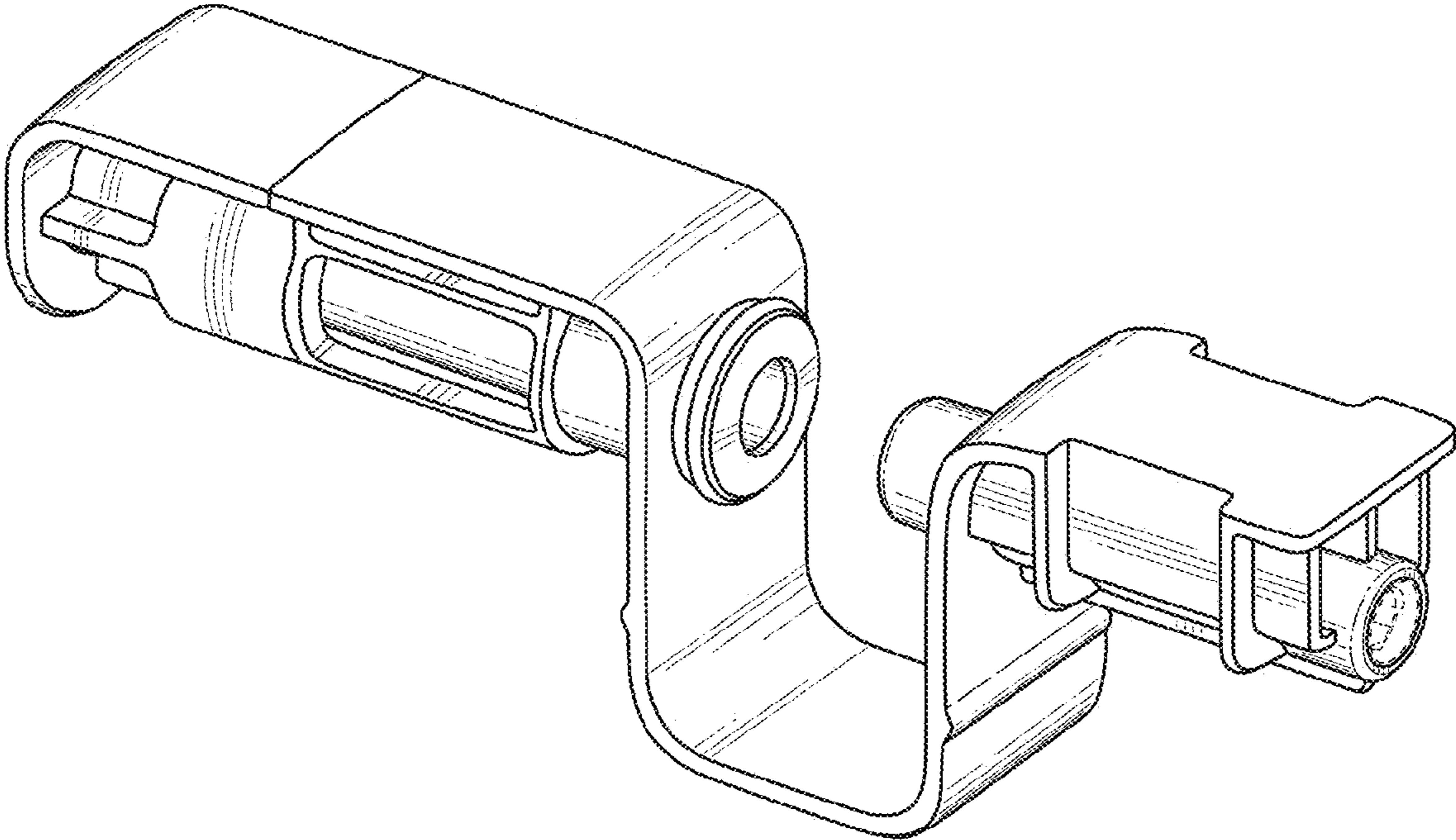


FIG. 1

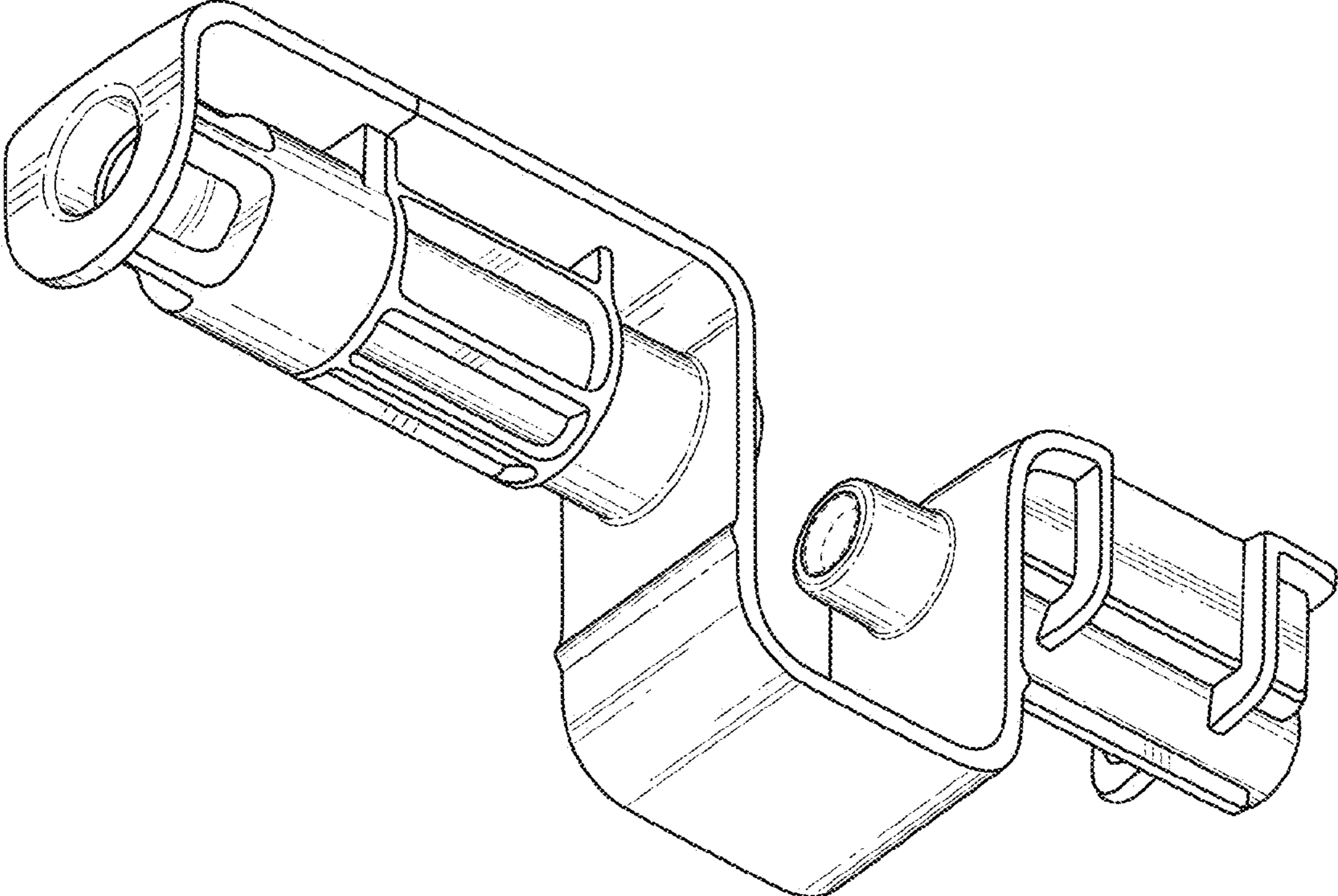


FIG. 2



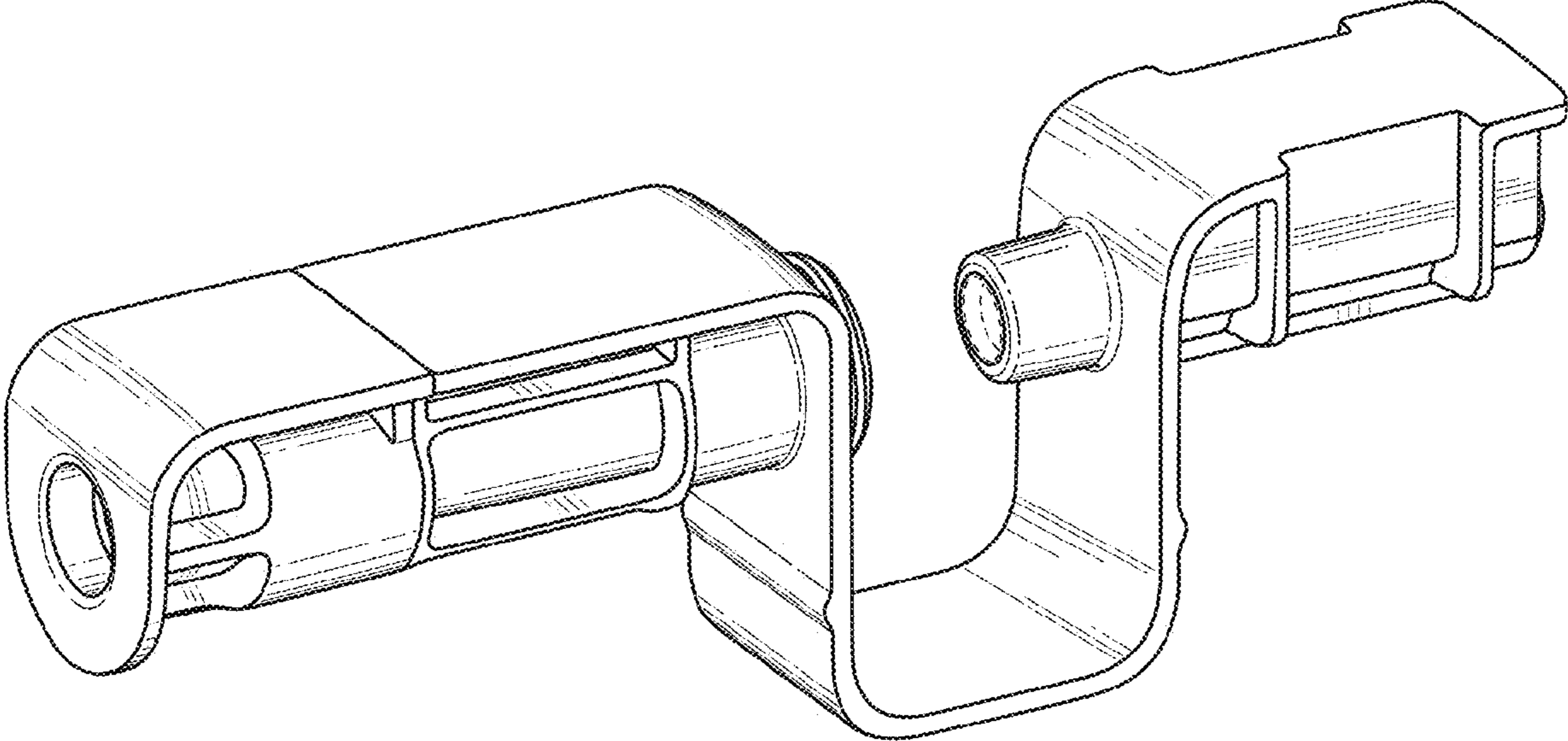


FIG. 3

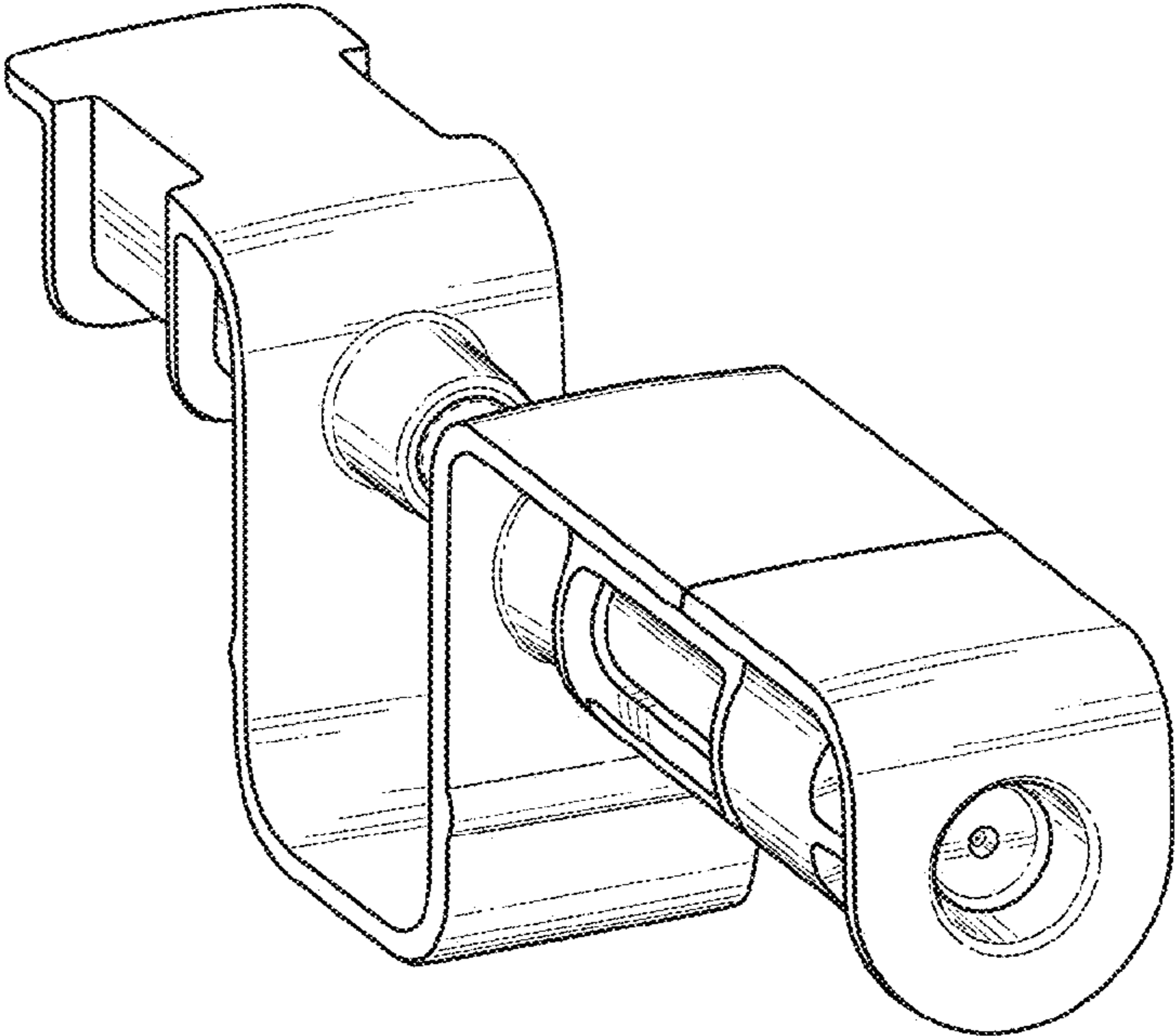


FIG. 4

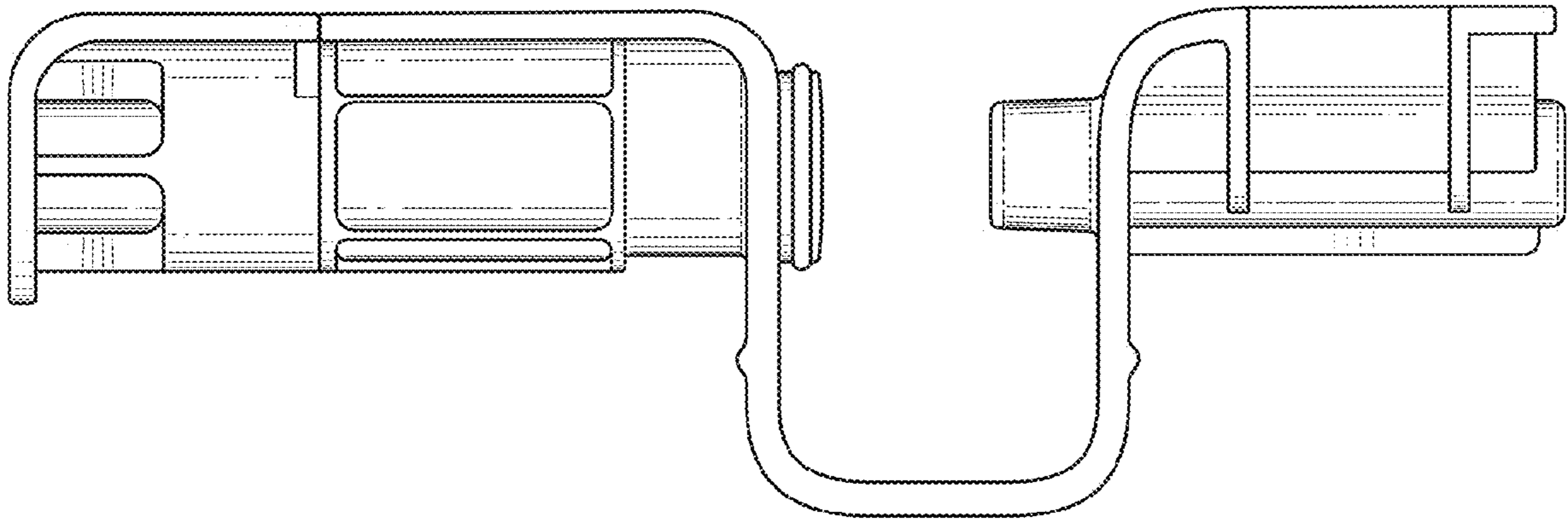


FIG. 5

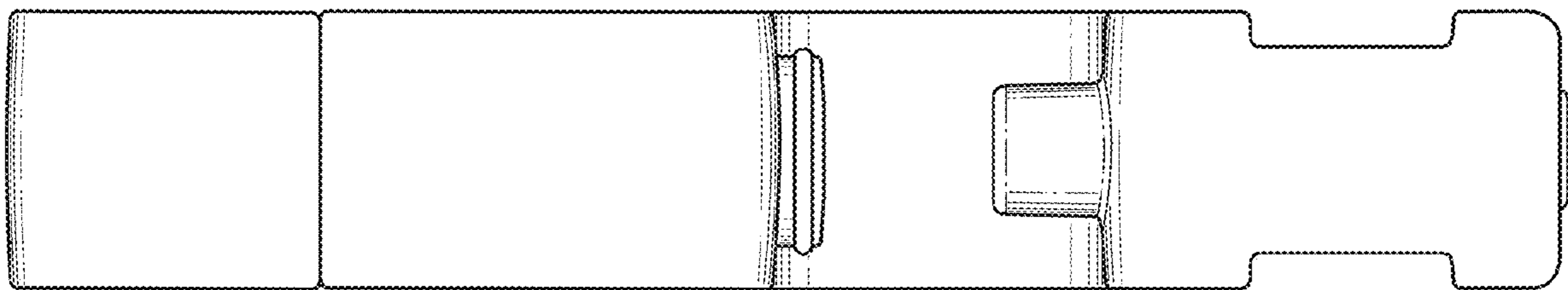


FIG. 6

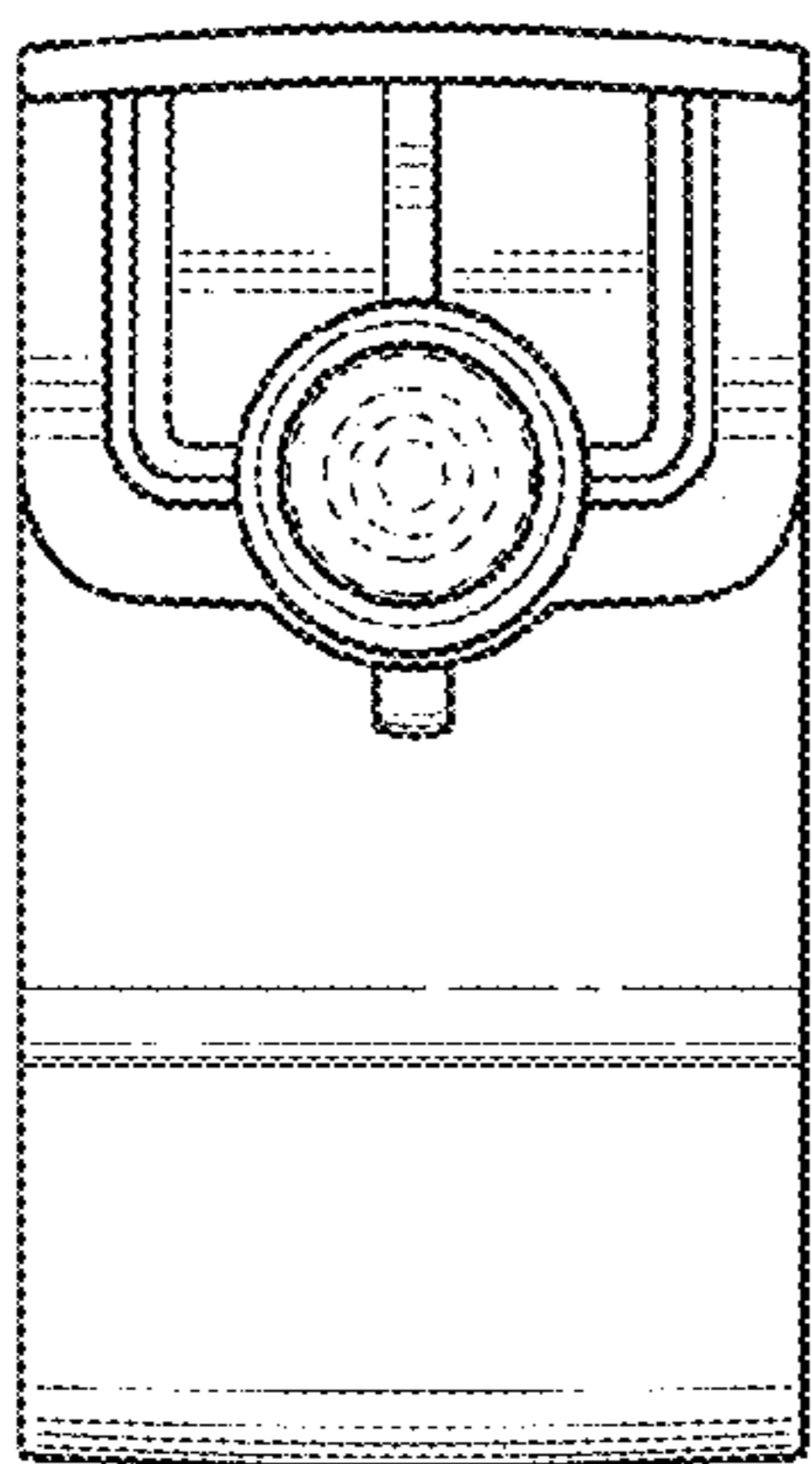


FIG. 7

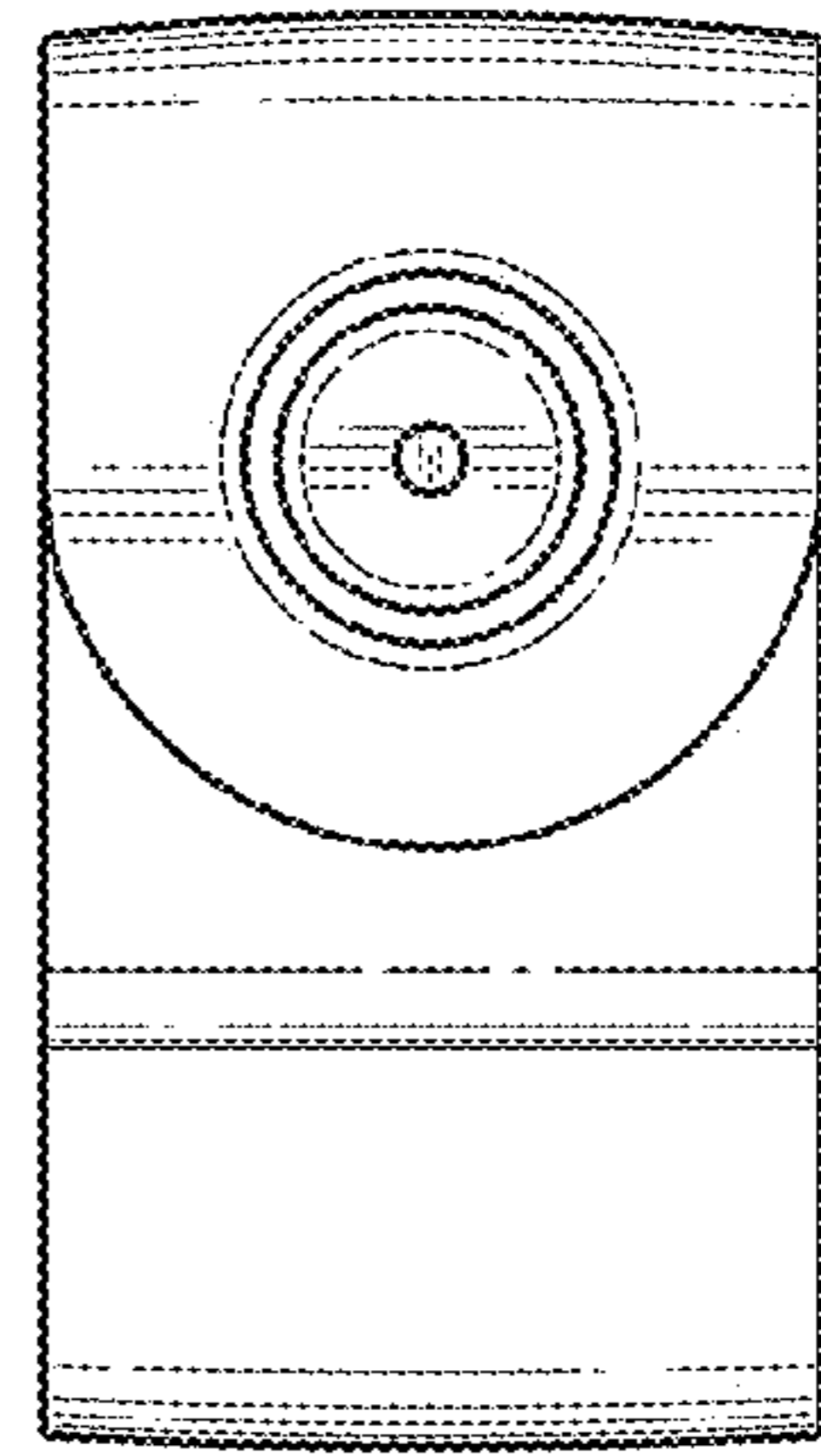


FIG. 8