



US00D894904S

(12) **United States Design Patent** (10) **Patent No.:** **US D894,904 S**
Matsuoka et al. (45) **Date of Patent:** **** Sep. 1, 2020**

(54) **POWER AND DATA CONNECTOR**

- (71) Applicant: **Google LLC**, Mountain View, CA (US)
- (72) Inventors: **Yoshimichi Matsuoka**, Sunnyvale, CA (US); **Jeffrey Hayashida**, San Francisco, CA (US)
- (73) Assignee: **Google LLC**, Mountain View, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/640,528**
- (22) Filed: **Mar. 15, 2018**

OTHER PUBLICATIONS

Impress Corporation, PC Watch USB Type-C, [online] Apr. 3, 2014, URL:http://pc.watch.impress.co.jp/docs/news/20140403_642743.html, [USB 3.1 Type-C], [retrieved from Internet] Sep. 29, 2015.
 Japanese Office Action for Application No. 2014-015758 dated Jun. 24, 2015.
 Japanese Office Action for Application No. 2014-026775 dated Jul. 15, 2015.

(Continued)

Primary Examiner — Derrick E Holland
 (74) *Attorney, Agent, or Firm* — Botos Churchill IP Law

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a power and data connector according to a first embodiment of our design;
 FIG. 2 is a front elevation view thereof;
 FIG. 3 is a back elevation view thereof;
 FIG. 4 is a left side elevation view thereof;
 FIG. 5 is a right side elevation view thereof;
 FIG. 6 is a top plan view thereof;
 FIG. 7 is a bottom plan view thereof;
 FIG. 8 is a perspective view of a power and data connector according to a second embodiment of our design;
 FIG. 9 is a front elevation view thereof;
 FIG. 10 is a back elevation view thereof;
 FIG. 11 is a left side elevation view thereof;
 FIG. 12 is a top plan view thereof;
 FIG. 13 is a bottom plan view thereof;
 FIG. 14 is a bottom elevation view thereof;
 FIG. 15 is a perspective view of a power and data connector according to a third embodiment of our design;
 FIG. 16 is a front elevation view thereof;
 FIG. 17 is a back elevation view thereof;
 FIG. 18 is a left side elevation view thereof;
 FIG. 19 is a right side elevation view thereof;
 FIG. 20 is a top plan view thereof; and,
 FIG. 21 is a bottom plan view thereof.
 Broken lines are environmental only and form no part of the claimed design.

Related U.S. Application Data

- (60) Division of application No. 29/560,561, filed on Apr. 7, 2016, now Pat. No. Des. 815,600, which is a (Continued)
- (51) **LOC (12) Cl.** **14-02**
- (52) **U.S. Cl.**
USPC **D14/433; D13/147**
- (58) **Field of Classification Search**
USPC D13/101, 110, 133, 146, 147, 153, 154, D13/184, 199; D14/432, 433, 434, 435.1, D14/438, 439

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(56) **References Cited**

U.S. PATENT DOCUMENTS

- D333,293 S 2/1993 Ashida
- D484,137 S 12/2003 Wikel et al.

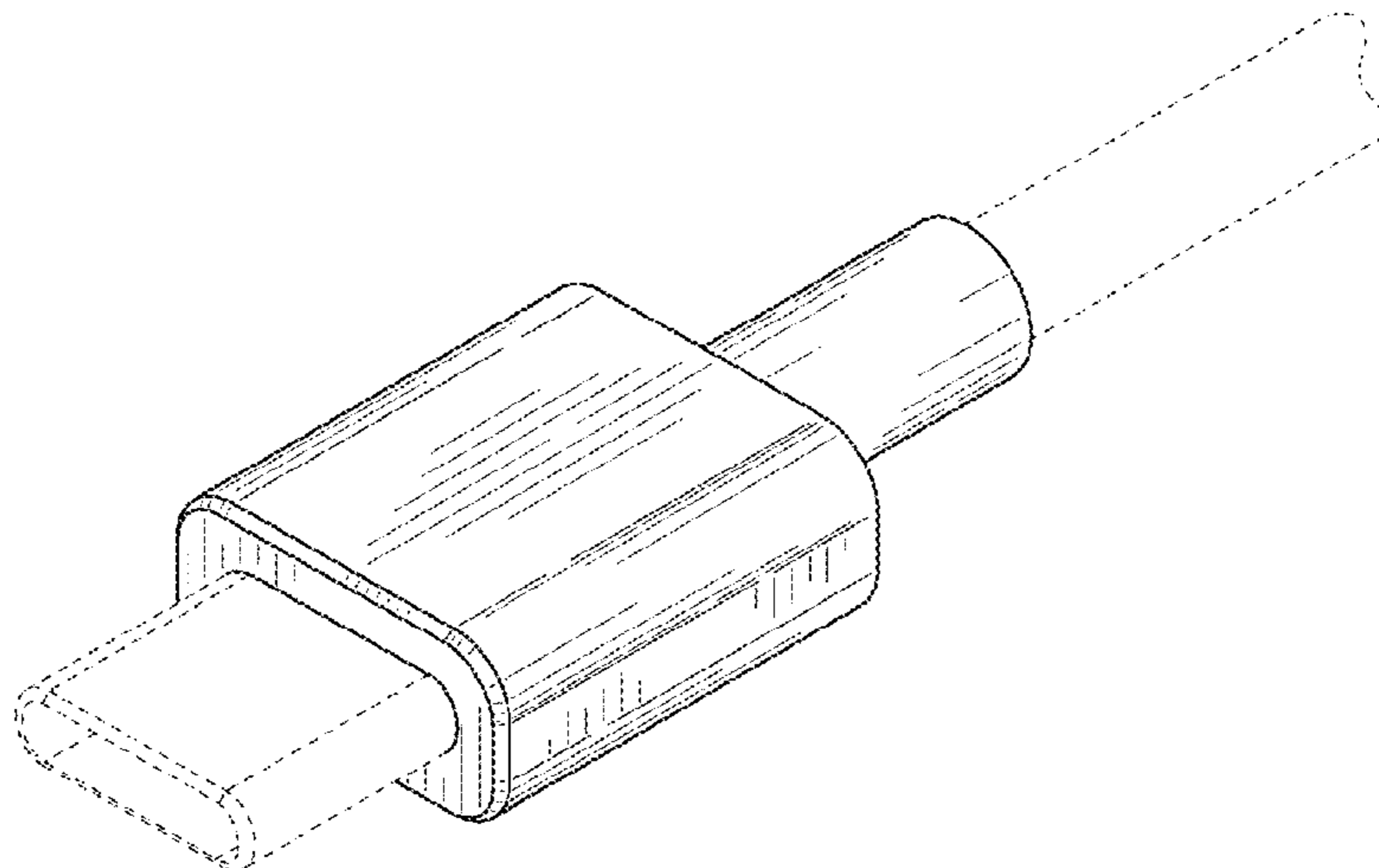
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FOREIGN PATENT DOCUMENTS

- JP D1268980 3/2006
- JP H23401831 2/2011

(Continued)

1 Claim, 9 Drawing Sheets



Related U.S. Application Data

continuation of application No. 29/492,809, filed on Jun. 3, 2014, now abandoned.

(58) **Field of Classification Search**

CPC H01R 29/00; H01R 24/60; H01R 24/62; H01R 24/64; H01R 27/00; H01R 2201/06; H01R 13/595; H01R 13/642; H01R 13/6271; H01R 13/6275; G06F 13/382

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D515,035 S	2/2006	Li et al.	
D516,030 S	2/2006	Han et al.	
D544,443 S	6/2007	Yang et al.	
D588,995 S	3/2009	Wu et al.	
D589,453 S	3/2009	Zhao et al.	
D600,652 S	9/2009	Hong et al.	
D602,440 S	10/2009	Wu et al.	
D612,809 S	3/2010	Zhao et al.	
D621,360 S	8/2010	Kondo	
D626,512 S	11/2010	Lin	
D636,337 S	4/2011	Smith et al.	
D676,389 S	2/2013	Worth et al.	
D692,390 S *	10/2013	Smith	D13/133
D713,795 S	9/2014	Yang	
D744,428 S	12/2015	Rodriguez et al.	
D770,456 S *	11/2016	Akana	D14/433
D853,394 S *	7/2019	McCracken	D14/433
2009/0203266 A1 *	8/2009	Chuang	H01R 24/60 439/701
2014/0329416 A1 *	11/2014	Golko	H01R 29/00 439/676
2015/0044886 A1	2/2015	Little et al.	
2015/0331826 A1	11/2015	Ghosh et al.	
2015/0333451 A1	11/2015	Kao et al.	

FOREIGN PATENT DOCUMENTS

JP	D1475077	7/2013
TW	D143934	12/2011
TW	D157157	11/2013

OTHER PUBLICATIONS

Korean Office Action for Application No. 30-2014-0036010-M001 dated Feb. 24, 2015.
 Korean Office Action for Application No. 30-2014-0036010-M002 dated Feb. 24, 2015.
 Korean Office Action for Application No. 30-2014-0036010-M003 dated Feb. 24, 2015.
 Korean Office Action for Application No. 30-2014-0036010-M004 dated Feb. 24, 2015.
 Korean Office Action for Application No. 30-2014-0036010-M005 dated Feb. 24, 2015.
 Korean Office Action for Application No. 30-2014-0036010-M006 dated Feb. 24, 2015.
 Korean Office Action for Application No. 30-2014-0058847 dated Jul. 1, 2015.
 Notice of Allowance for Taiwanese Design Patent Application No. 105300359 dated Apr. 29, 2016.
 Notice of Allowance for Taiwanese Design Patent Application No. 105300360 dated Apr. 29, 2016.
 Notice of Allowance for Taiwanese Patent Application No. 103307004, dated Nov. 24, 2015.
 Notice of Decision of Rejection for Japanese Design Patent Application No. 2014-015758 dated Nov. 24, 2015.
 Notice of Ground of Rejection for Japanese Design Patent Application No. 2015-013687 dated Mar. 28, 2016.
 Notice of Ground of Rejection for Japanese Design Patent Application No. 2015-013688 dated Mar. 28, 2016.
 Notice of Ground of Rejection for Japanese Design Patent Application No. 2015-013689 dated Mar. 28, 2016.
 Notice of Ground of Rejection for Japanese Design Patent Application No. 2015-013690 dated Mar. 28, 2016.
 Notice of Ground of Rejection for Japanese Design Patent Application No. 2015-013691 dated Mar. 28, 2016.
 Notice of Ground of Rejection for Japanese Design Patent Application No. 2015-013692 dated Mar. 28, 2016.
 Notice of Ground of Rejection for Japanese Design Patent Application No. 2015-013693 dated Mar. 28, 2016.
 Notice of Ground of Rejection for Japanese Design Patent Application No. 2015-013694 dated Mar. 28, 2016.
 PC Watch. "Details of Reversible USB Type-C Connector Specification are Released." Impress Corporation. Published Apr. 3, 2014. Retrieved from the Internet: <http://pc.watch.impress.co.jp/docs/news/20140403_642743.html>.

* cited by examiner

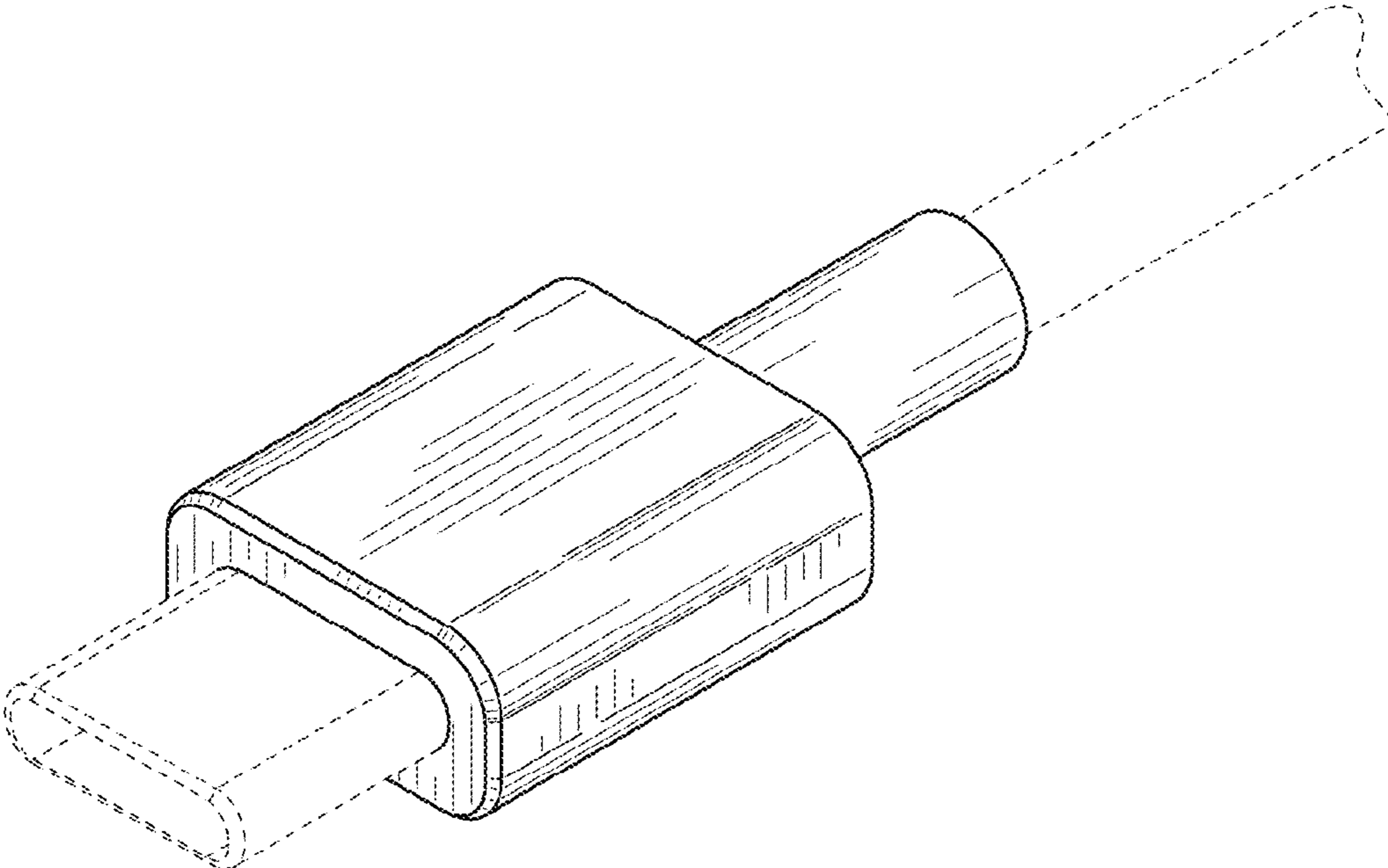


FIG. 1

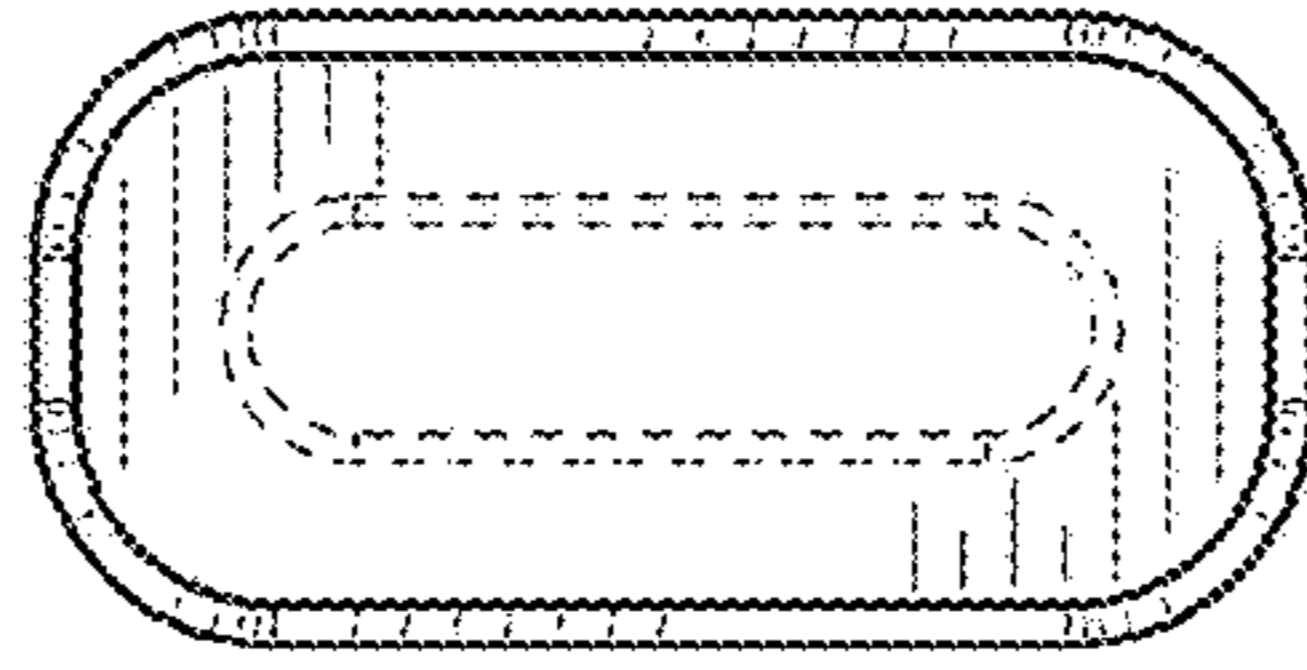


FIG. 2

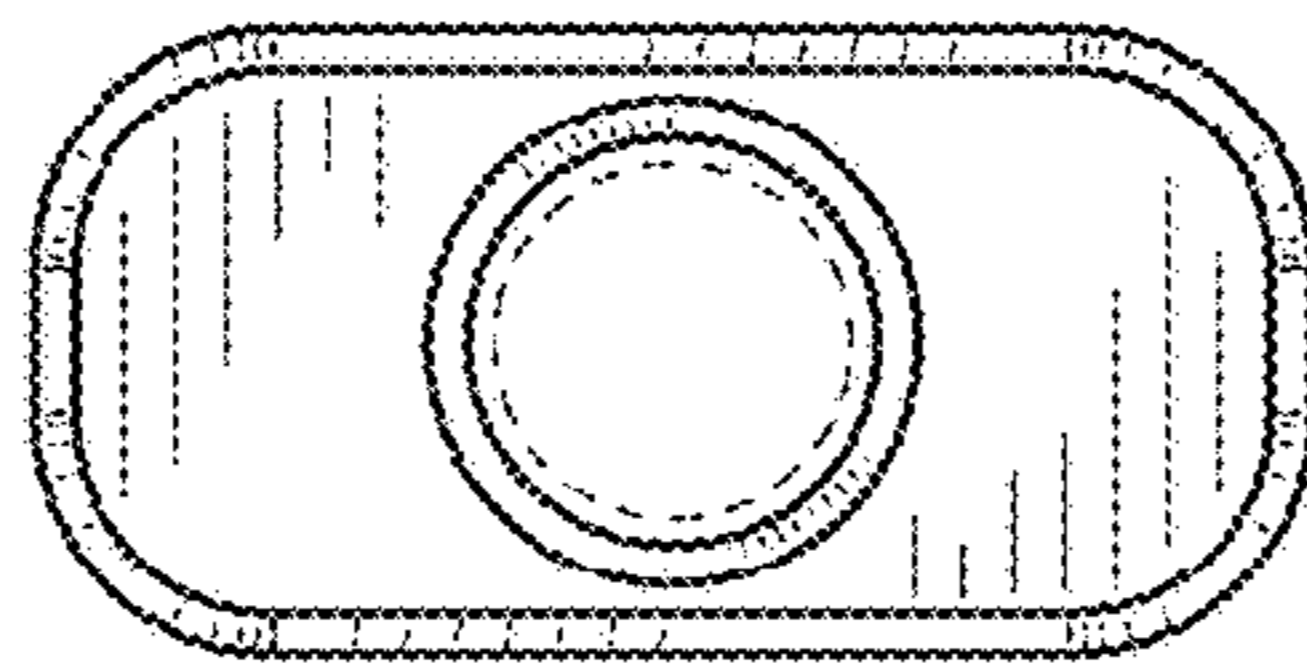


FIG. 3

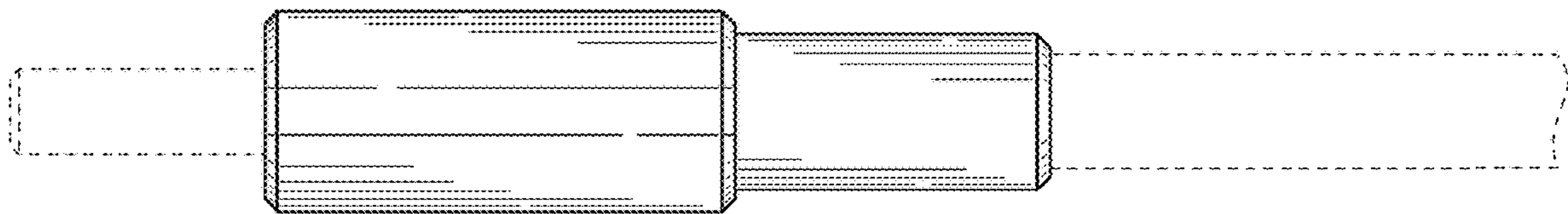


FIG. 4

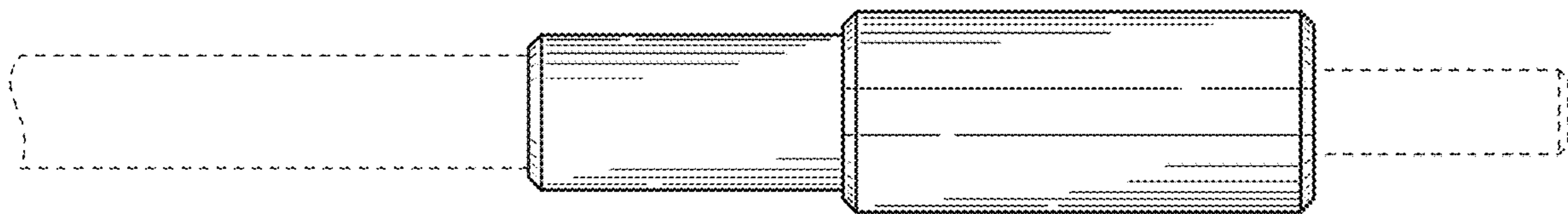


FIG. 5

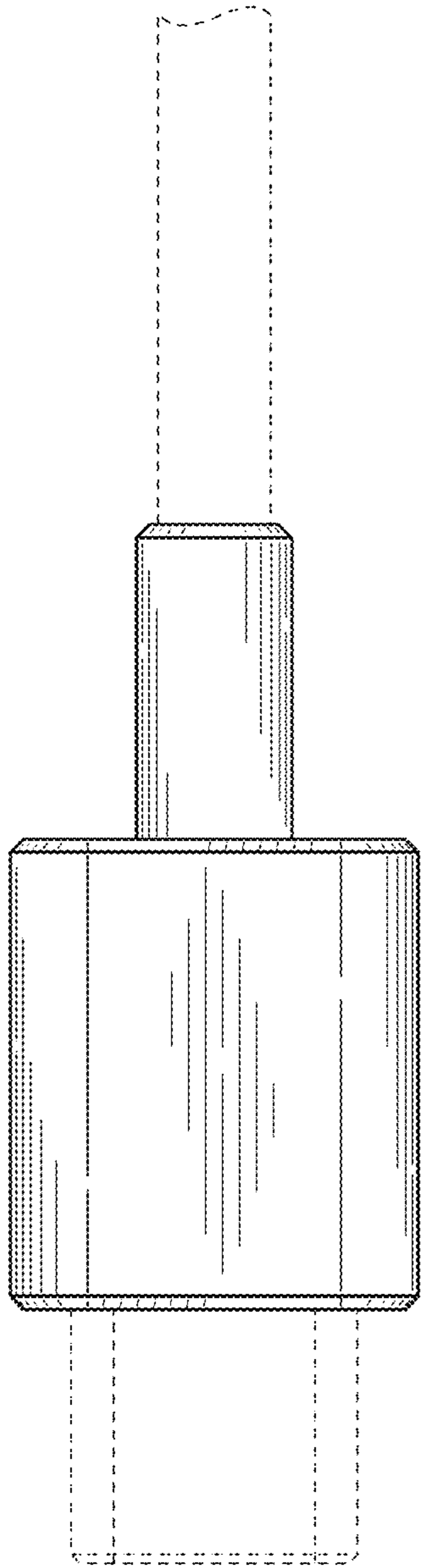


FIG. 6

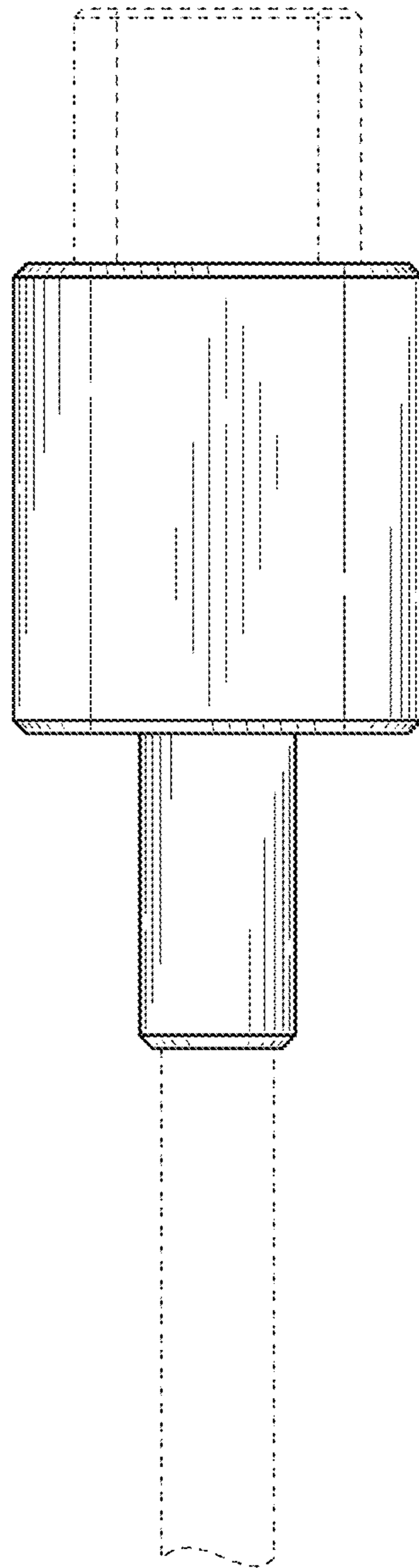


FIG. 7

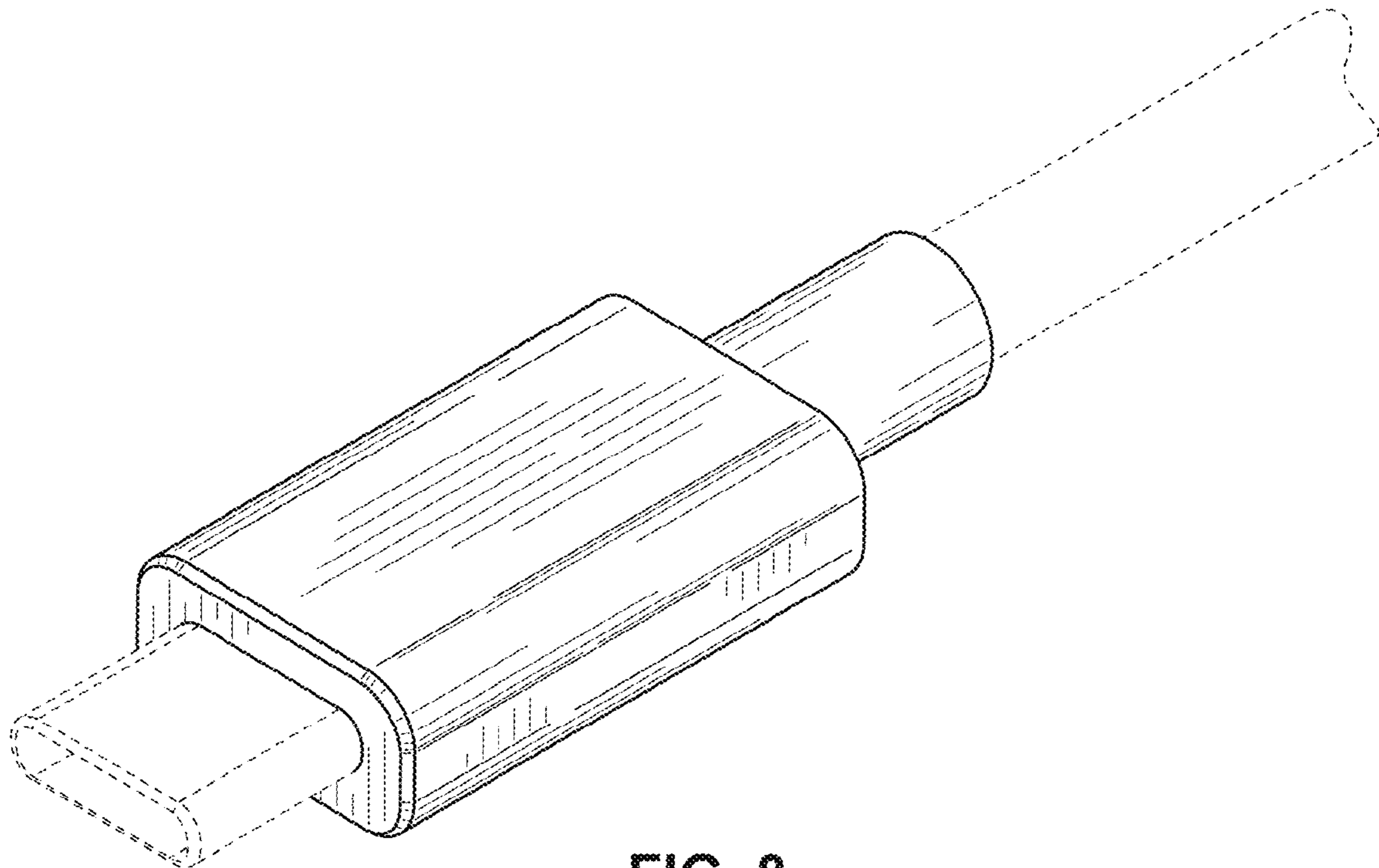


FIG. 8

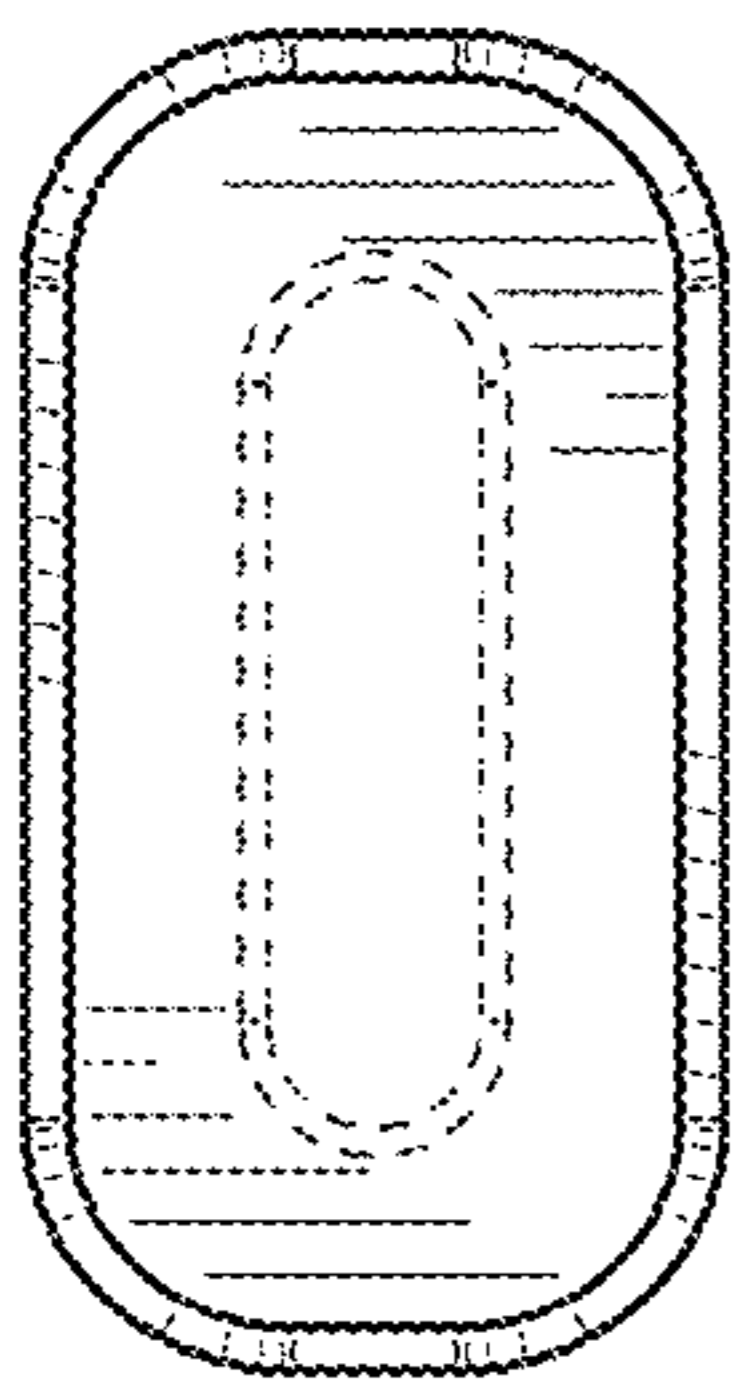


FIG. 9

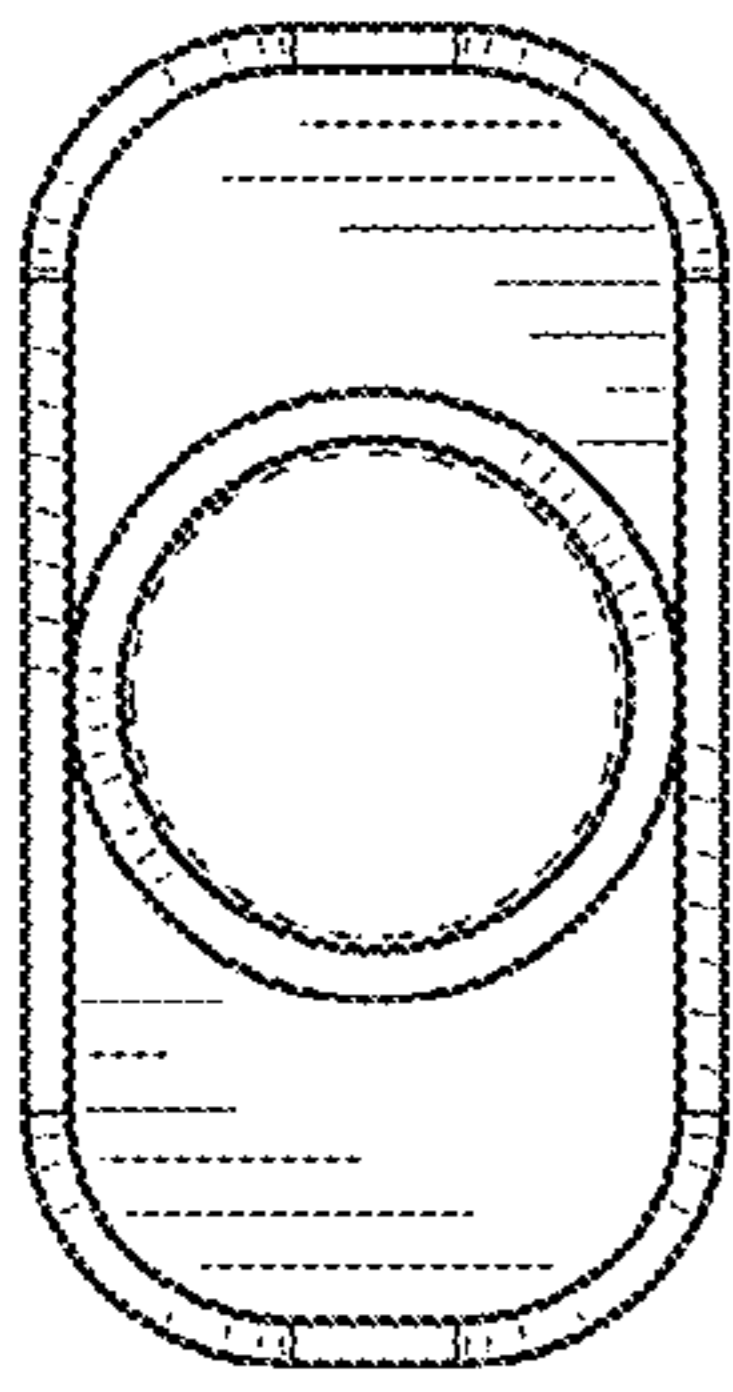


FIG. 10

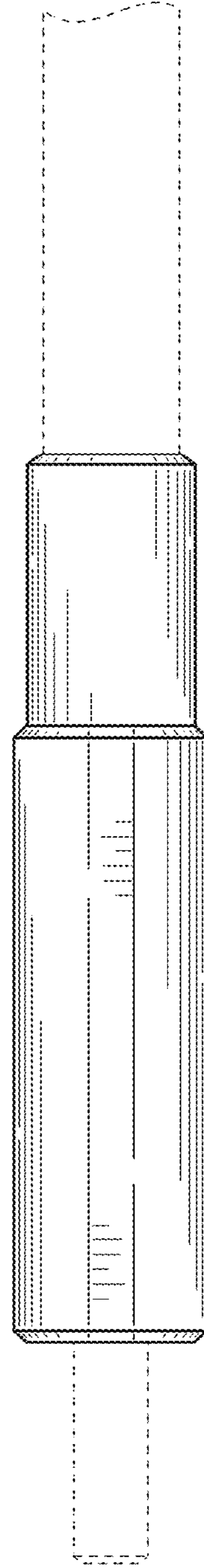


FIG. 11

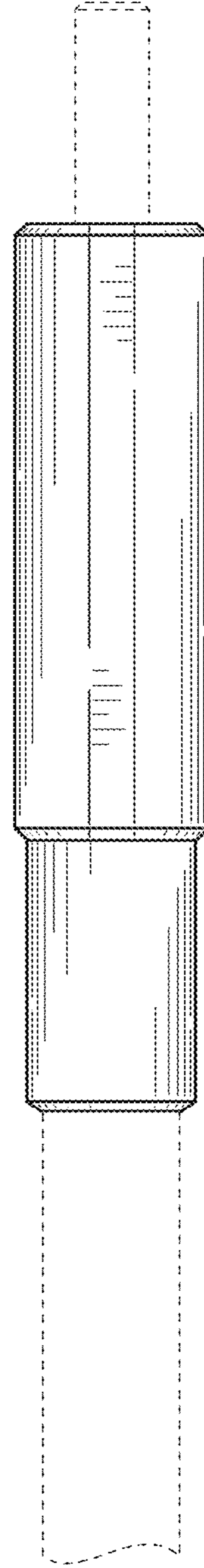


FIG. 12

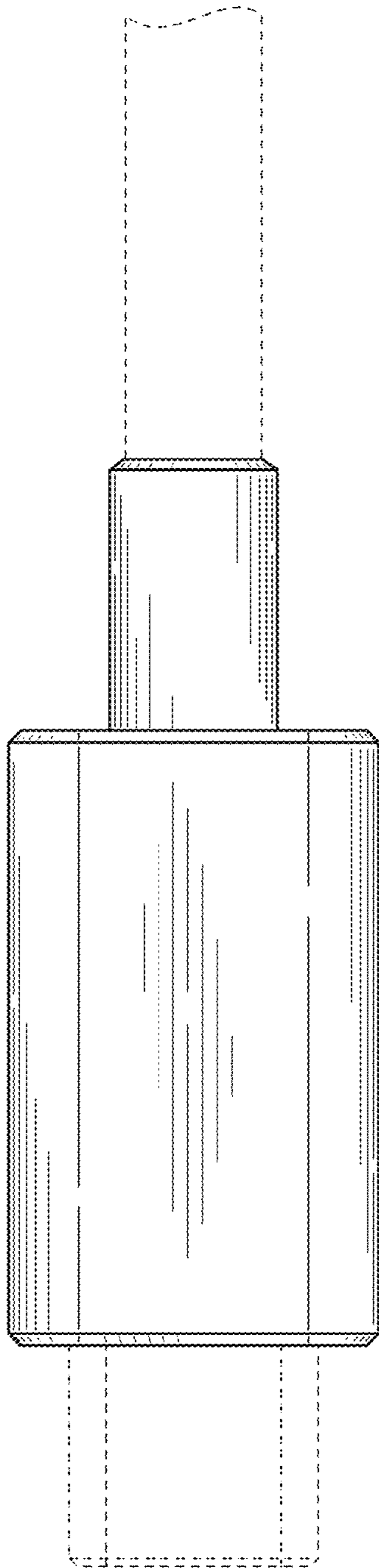


FIG. 13

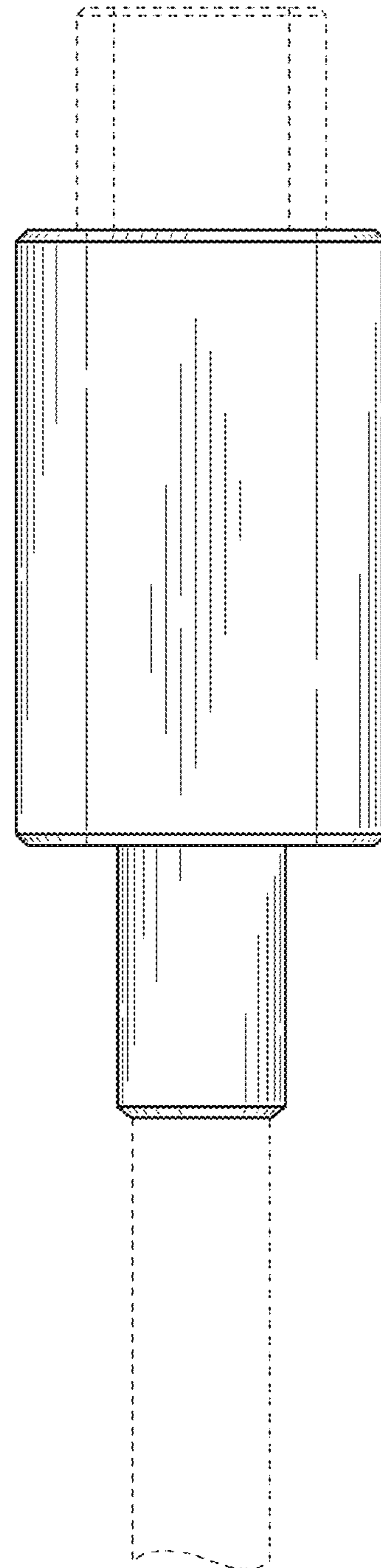


FIG. 14

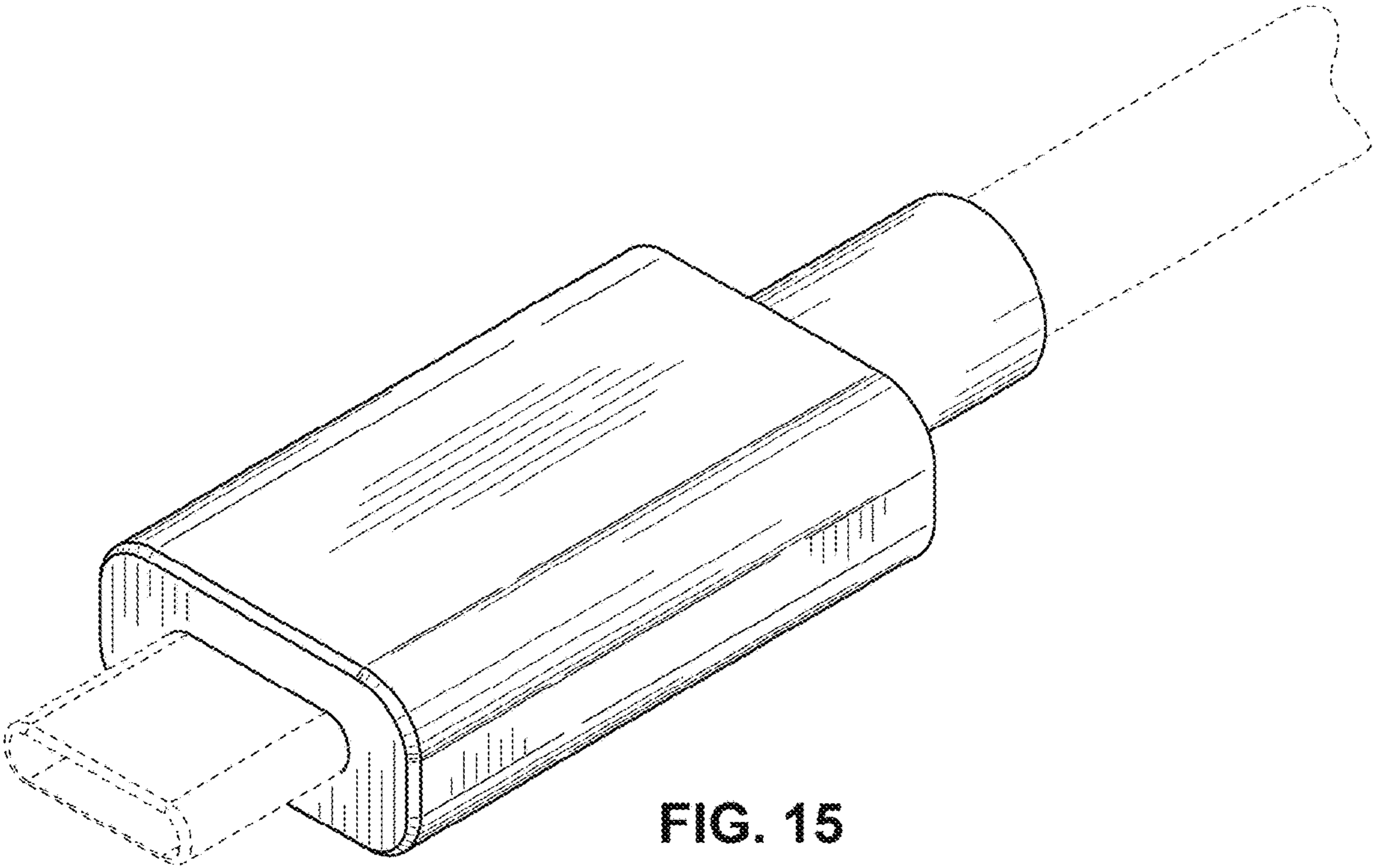


FIG. 15

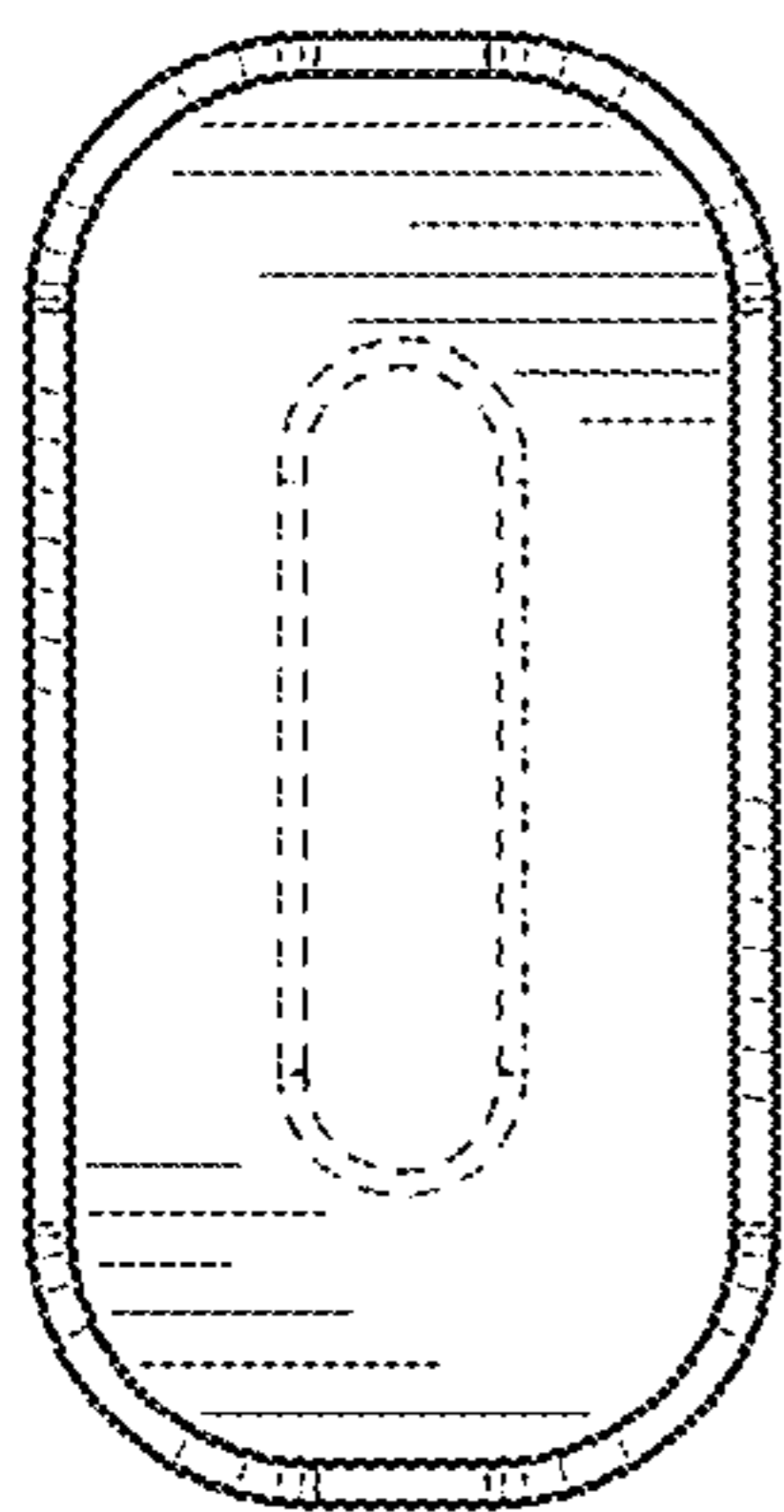


FIG. 16

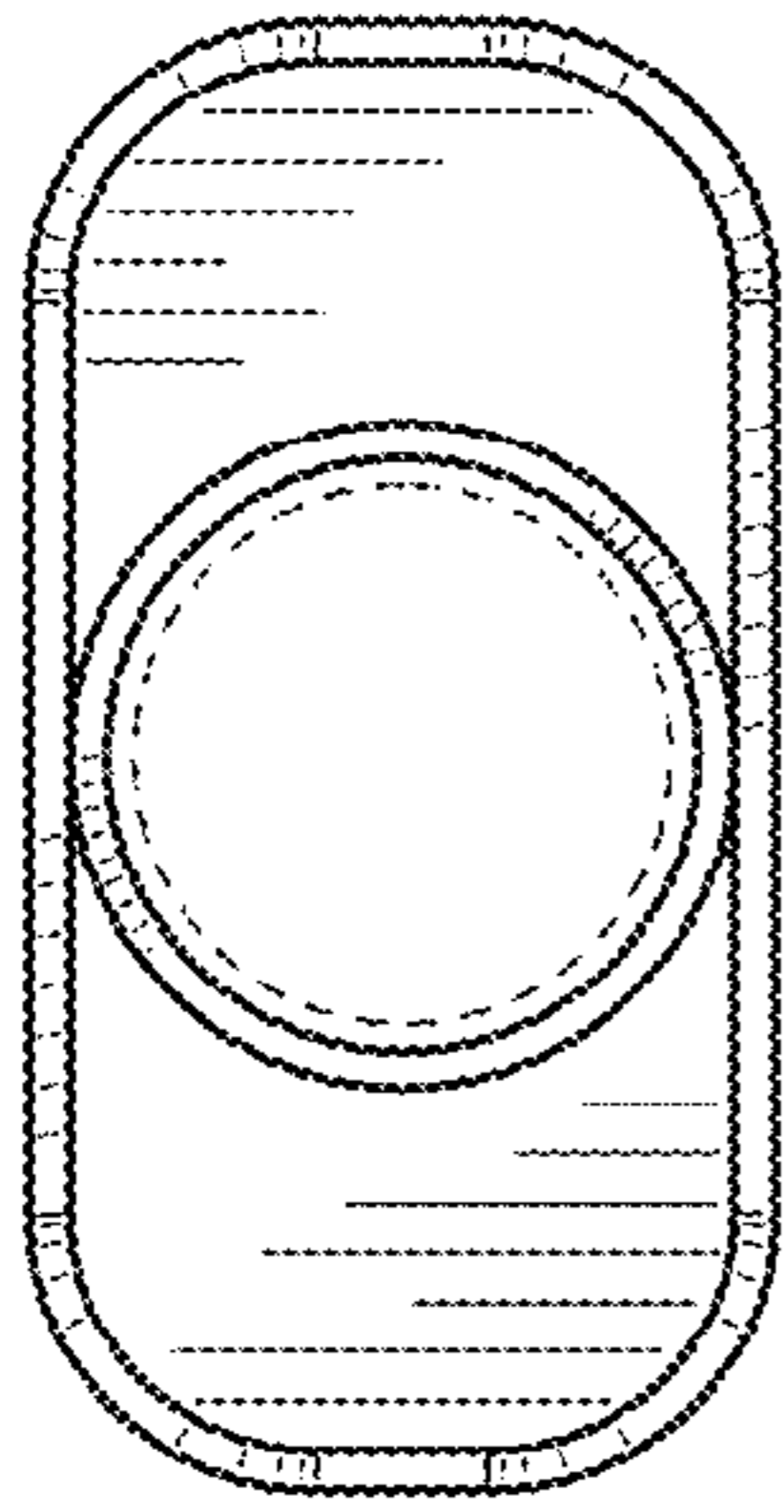


FIG. 17

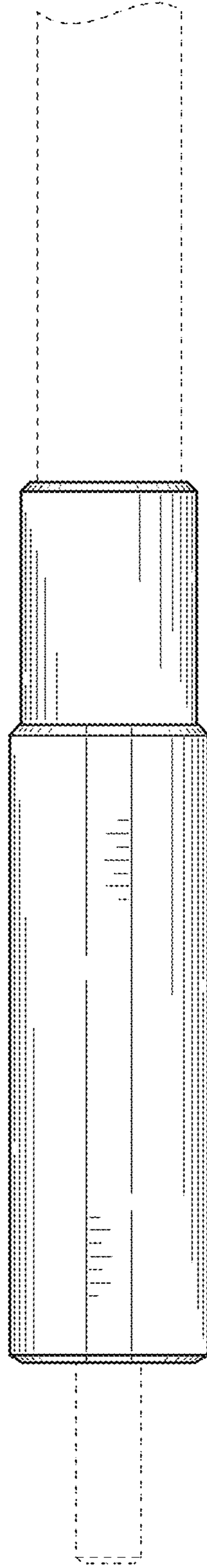


FIG. 18

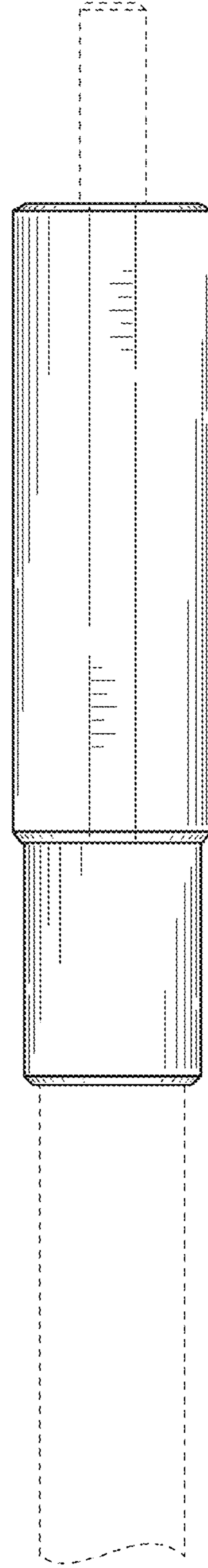


FIG. 19

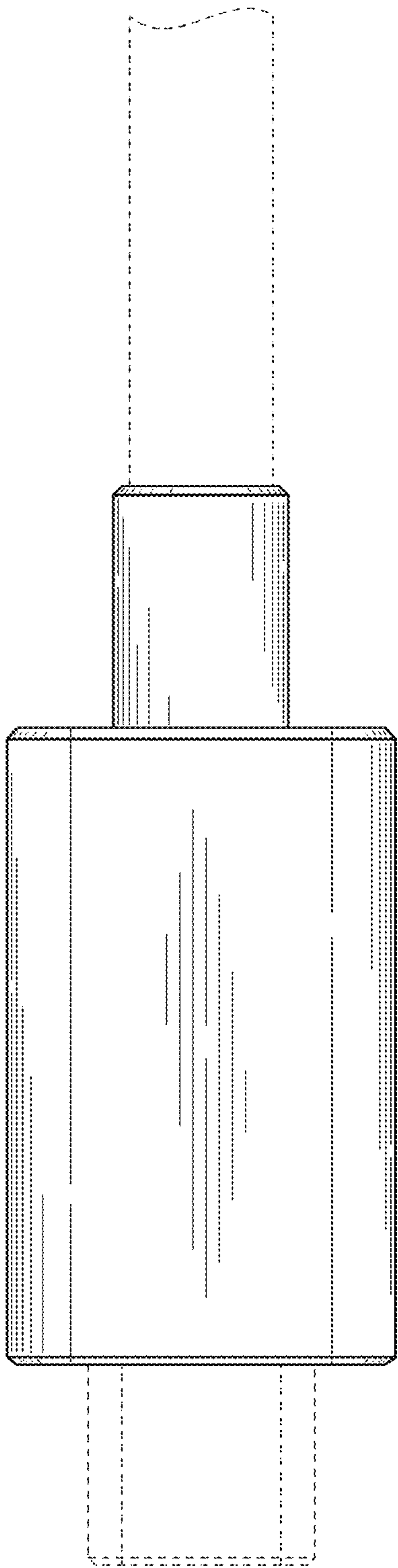


FIG. 20

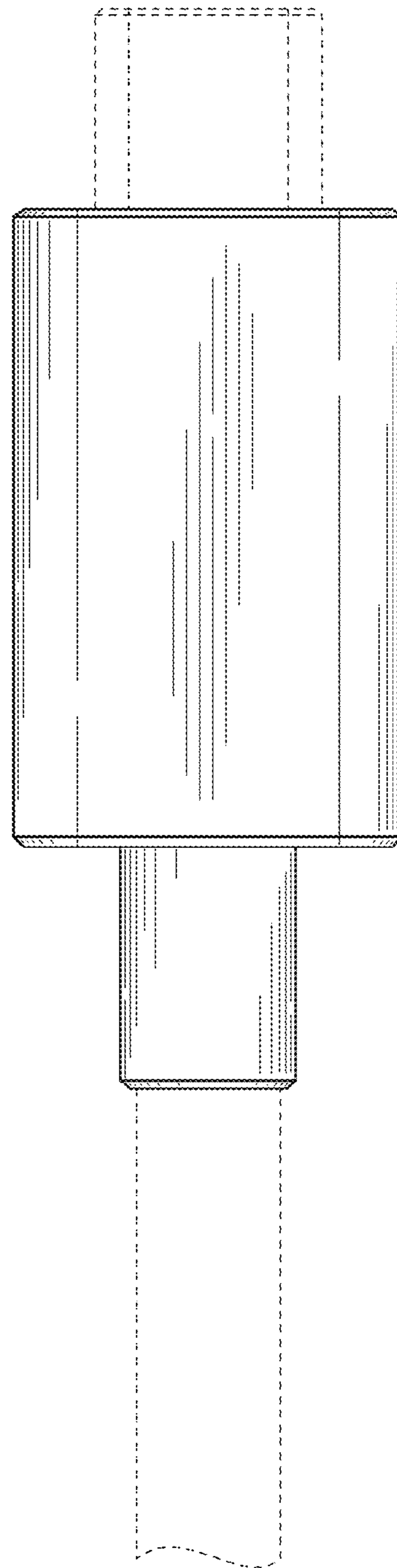


FIG. 21