



US00D947377S

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

(10) **Patent No.:** **US D947,377 S**  
(45) **Date of Patent:** **\*\* Mar. 29, 2022**

(54) **COMBINATION DRILLING DEPTH AND CONTROL APPARATUS**

(71) Applicant: **Mighty Oak Medical, Inc.**, Englewood, CO (US)

(72) Inventors: **George Frey**, Englewood, CO (US);  
**Caleb Voelkel**, West Glover, VT (US);  
**Adam Jensen**, Golden, CO (US); **Sean Starkman**, Centennial, CO (US)

(73) Assignee: **Mighty Oak Medical, Inc.**, Englewood, CO (US)

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

(21) Appl. No.: **29/770,056**

(22) Filed: **Feb. 9, 2021**

**Related U.S. Application Data**

(63) Continuation of application No. 17/156,330, filed on Jan. 22, 2021.

(51) **LOC (13) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/140**

(58) **Field of Classification Search**  
USPC ..... D24/140, 135, 133; D15/139, 140, 21;  
D8/70

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D329,496 S \* 9/1992 Wotton ..... D24/140  
5,480,387 A \* 1/1996 Gabriel ..... A61M 5/20  
604/134

(Continued)

*Primary Examiner* — Bridget L Eland

(74) *Attorney, Agent, or Firm* — FisherBroyles LLP; Ian R. Walsworth

(57) **CLAIM**

The ornamental design for a combination drilling depth and control apparatus, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of the combination drilling depth and control apparatus;

FIG. 2 is a bottom perspective view thereof;

FIG. 3 is a front elevation view thereof;

FIG. 4 is a rear elevation view thereof;

FIG. 5 is a right elevation view thereof;

FIG. 6 is a left elevation view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is a top perspective view of the combination drilling depth and control apparatus of FIG. 1, shown removed in order to show aspects of the design that are not otherwise apparent;

FIG. 10 is a bottom perspective view thereof;

FIG. 11 is a front elevation view thereof;

FIG. 12 is a rear elevation view thereof;

FIG. 13 is a right elevation view thereof;

FIG. 14 is a left elevation view thereof;

FIG. 15 is a top plan view thereof;

FIG. 16 is a bottom plan view thereof;

FIG. 17 is an exploded top perspective view of the combination drilling depth and control apparatus of FIG. 9;

FIG. 18 is a bottom perspective view thereof;

FIG. 19 is a front elevation view thereof;

FIG. 20 is a rear elevation view thereof;

FIG. 21 is a right elevation view thereof;

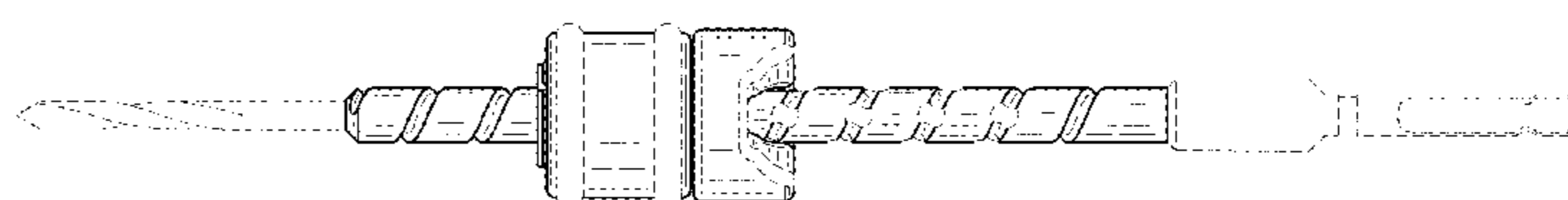
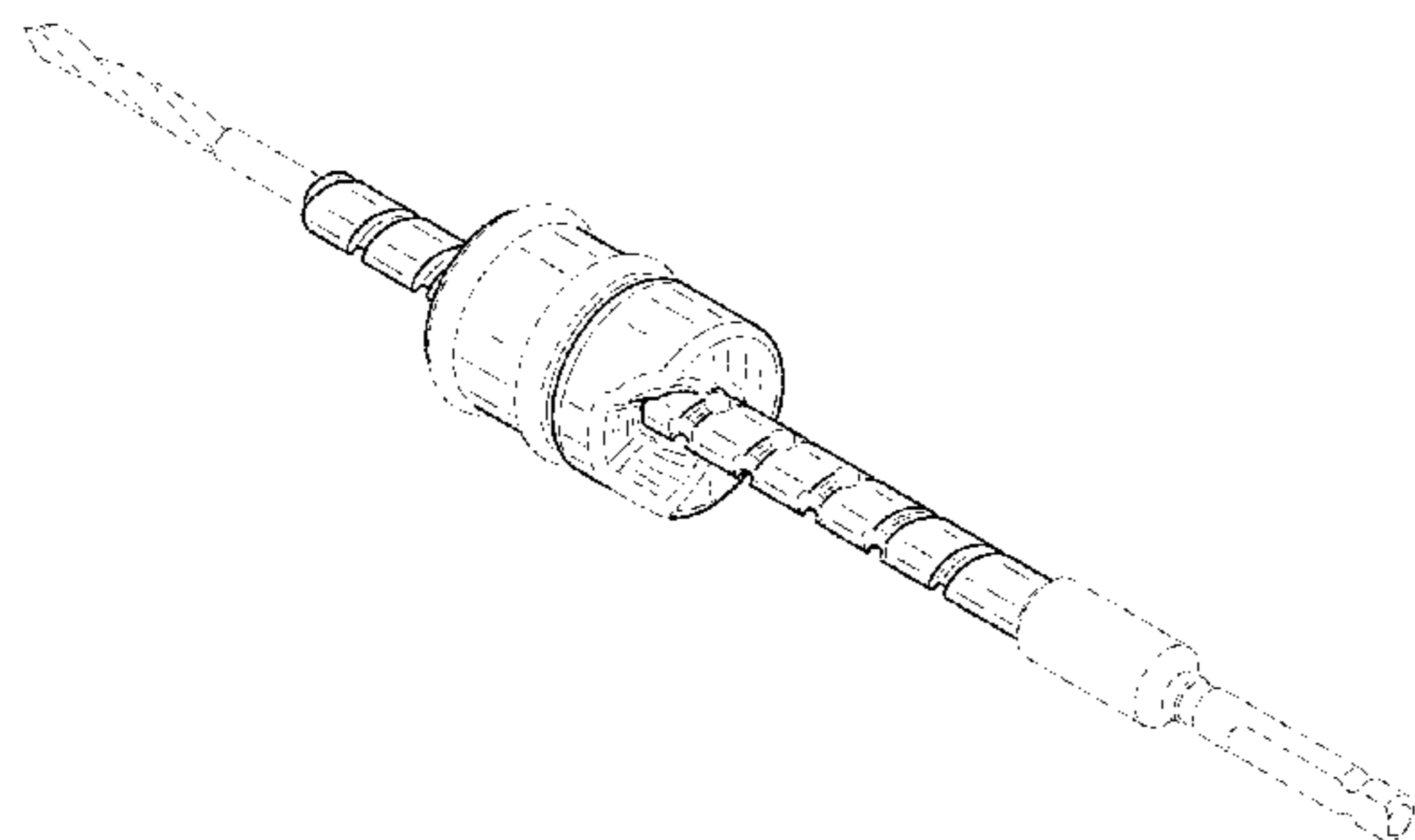
FIG. 22 is a left elevation view thereof;

FIG. 23 is a top plan view thereof; and,

FIG. 24 is a bottom plan view thereof.

The broken lines in the drawings are for the purpose of illustrating portions of the combination drilling depth and control apparatus that form no part of the claimed design. The dot-dash broken lines in FIGS. 17-24 indicate the path along which the male and female cylindrical structures connect and forms no part of the claimed design.

**1 Claim, 23 Drawing Sheets**



(58) **Field of Classification Search**

CPC .. A61B 17/1626; A61B 17/1633; A61B 17/17  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D616,095 S \* 5/2010 Kim ..... D24/140  
D625,805 S \* 10/2010 Hereford ..... D24/140  
D627,461 S \* 11/2010 Cantu ..... D24/140  
D649,638 S \* 11/2011 Habegger ..... D24/140  
D719,594 S \* 12/2014 Leugers ..... D15/139  
D723,896 S \* 3/2015 Durfee ..... D8/70  
D727,985 S \* 4/2015 Leugers ..... D15/139  
D732,364 S \* 6/2015 Rinaldis ..... D8/70  
D793,831 S \* 8/2017 Russell ..... D8/70  
D793,832 S \* 8/2017 Russell ..... D8/70  
D806,147 S \* 12/2017 Inkster ..... D15/131  
D868,966 S \* 12/2019 Jamison ..... D24/140  
D893,027 S \* 8/2020 Peters ..... D24/140  
2008/0167653 A1 \* 7/2008 Watlington ..... A61B 17/1688  
606/81  
2008/0177200 A1 \* 7/2008 Ikehara ..... A61B 10/025  
600/567  
2012/0065590 A1 \* 3/2012 Bierman ..... A61M 25/06  
604/164.05  
2014/0276880 A1 \* 9/2014 Li ..... A61B 17/17  
606/96  
2021/0077788 A1 \* 3/2021 Lesch ..... A61M 29/02

\* cited by examiner

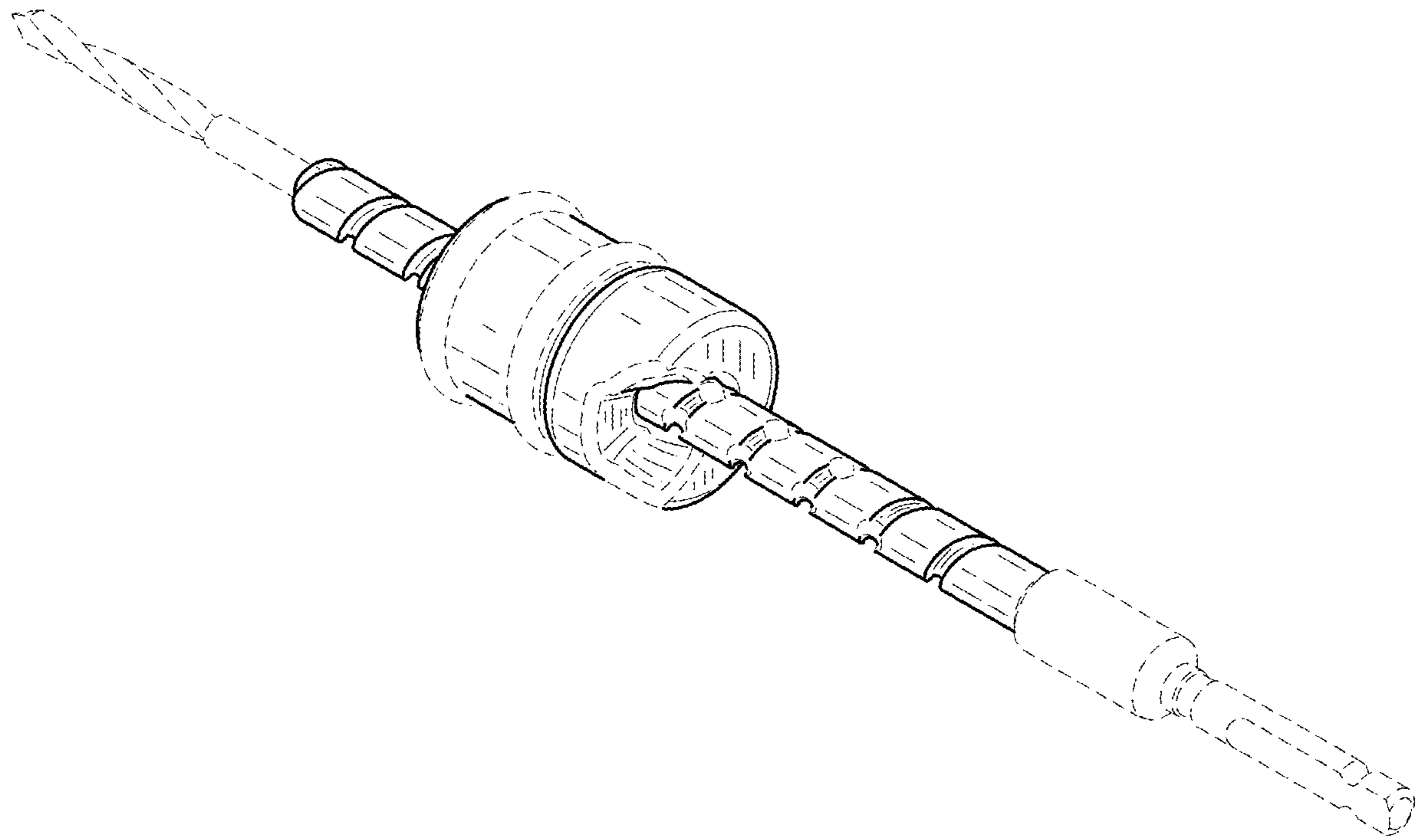


FIG.1

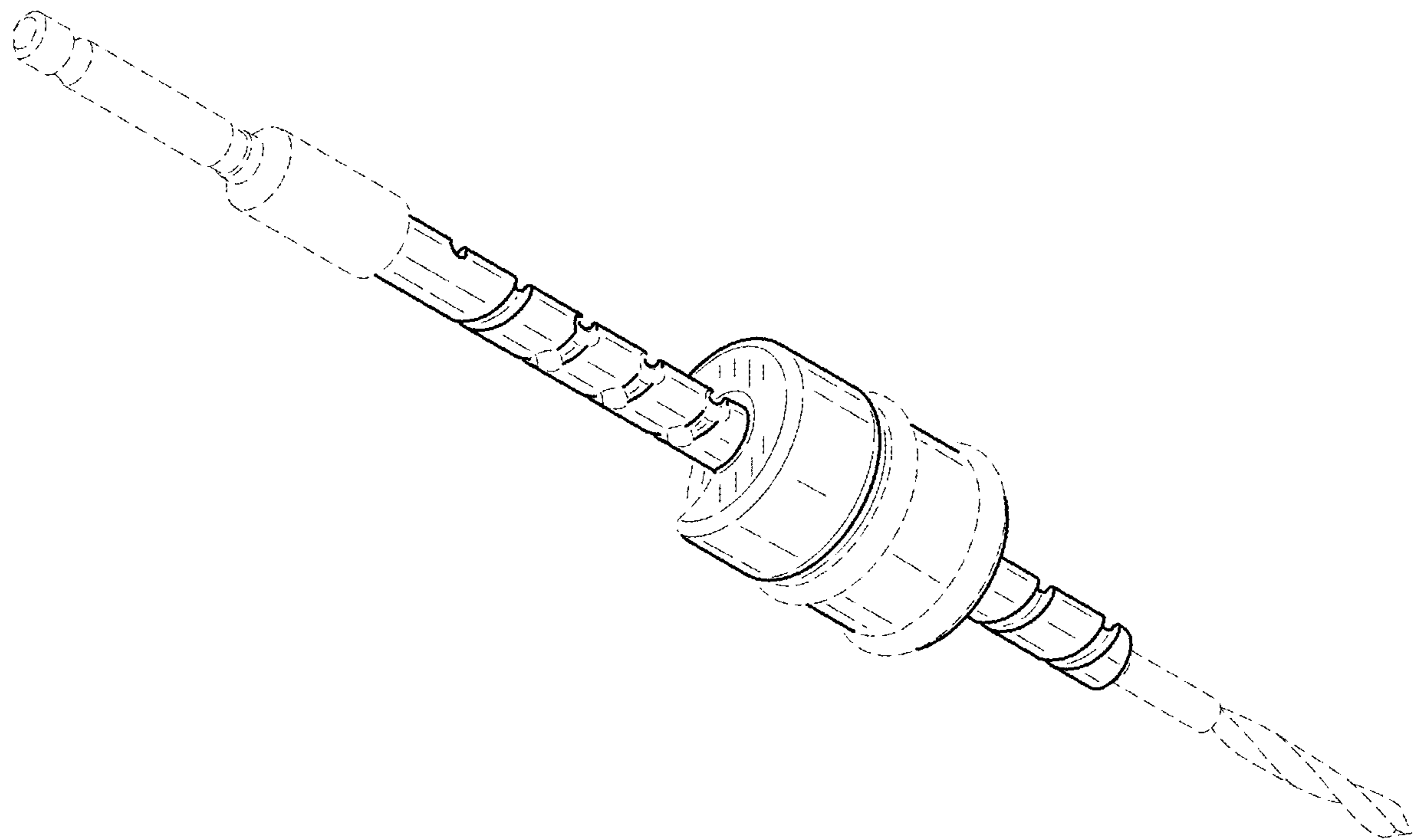


FIG.2

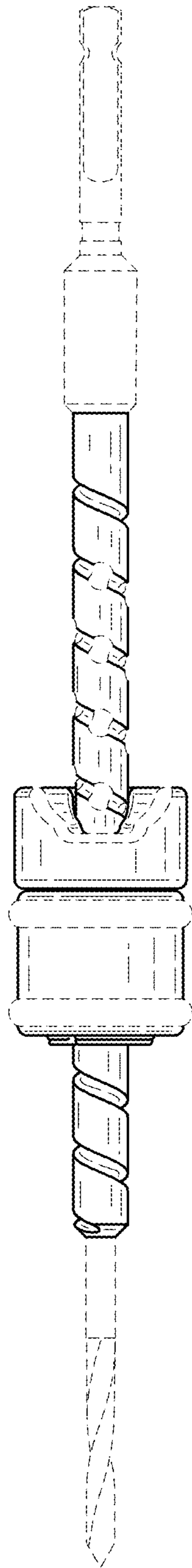


FIG.3

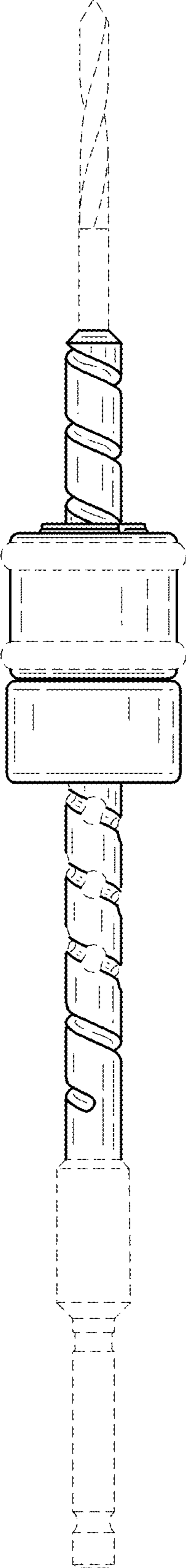


FIG.4

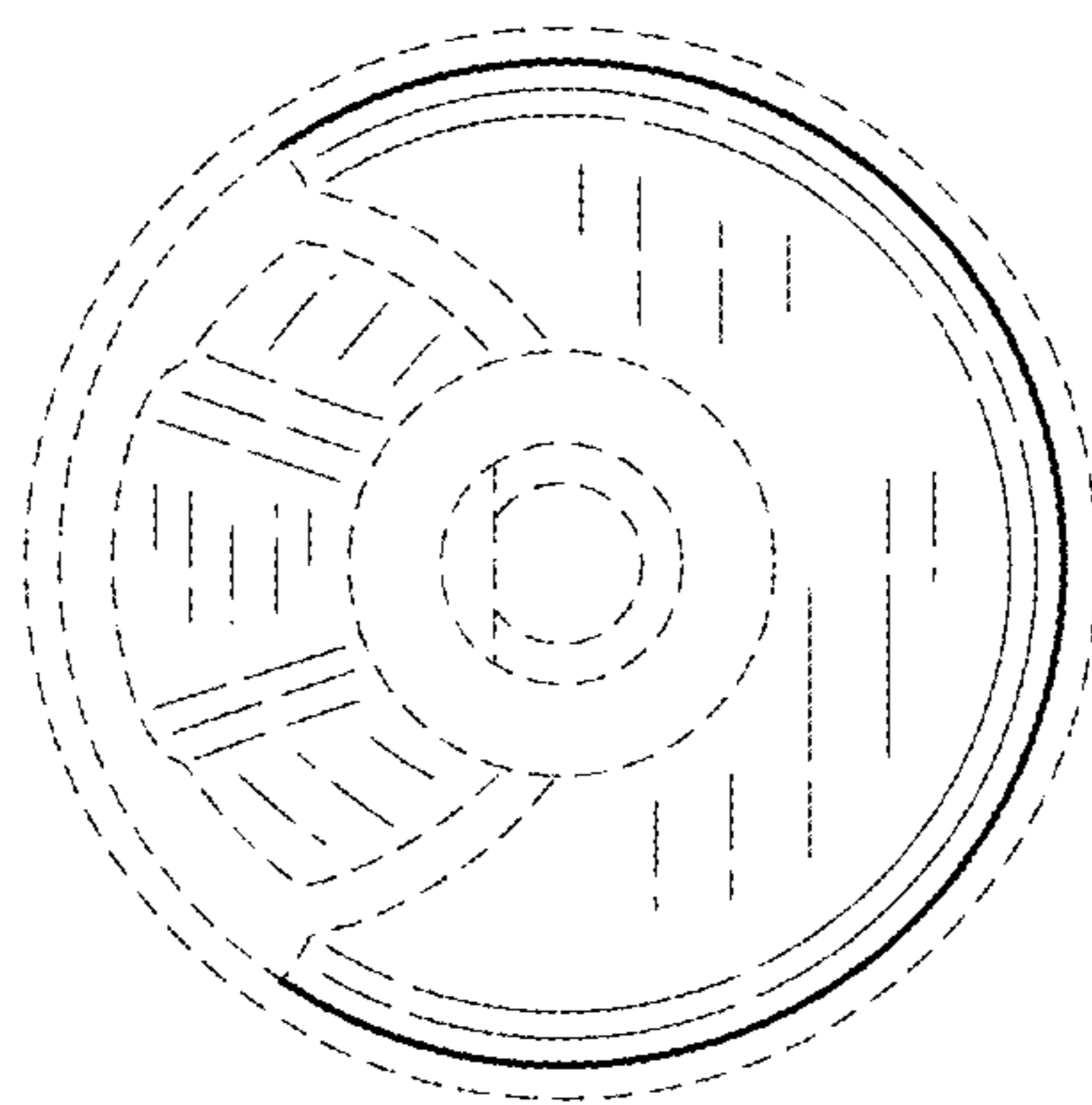


FIG.5

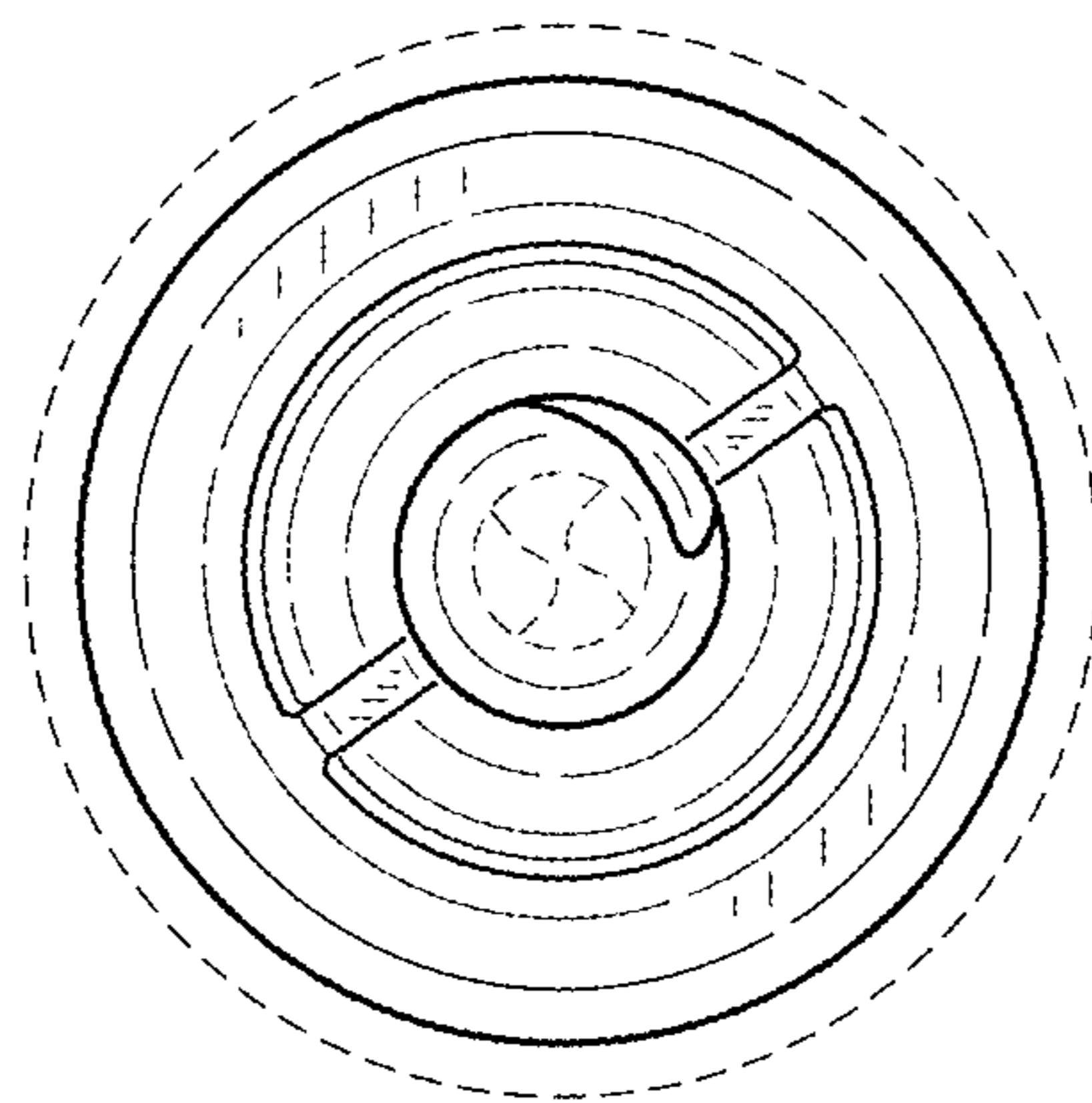


FIG.6

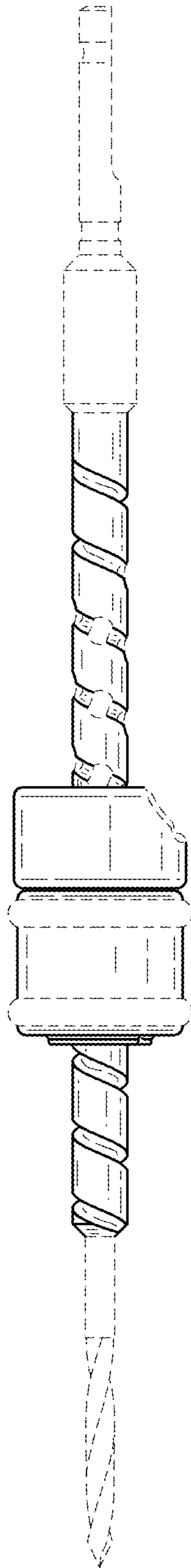


FIG. 7



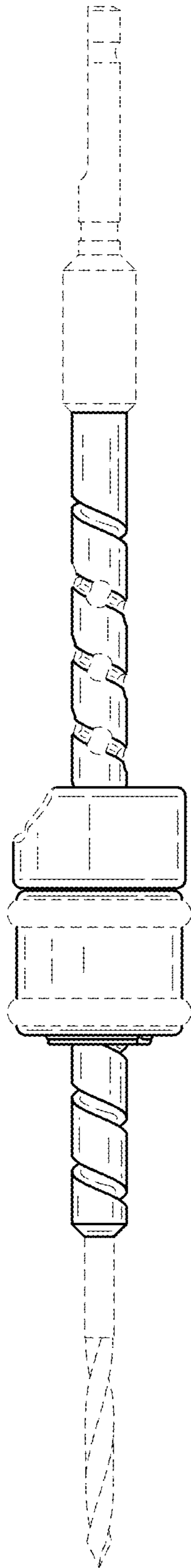


FIG.8

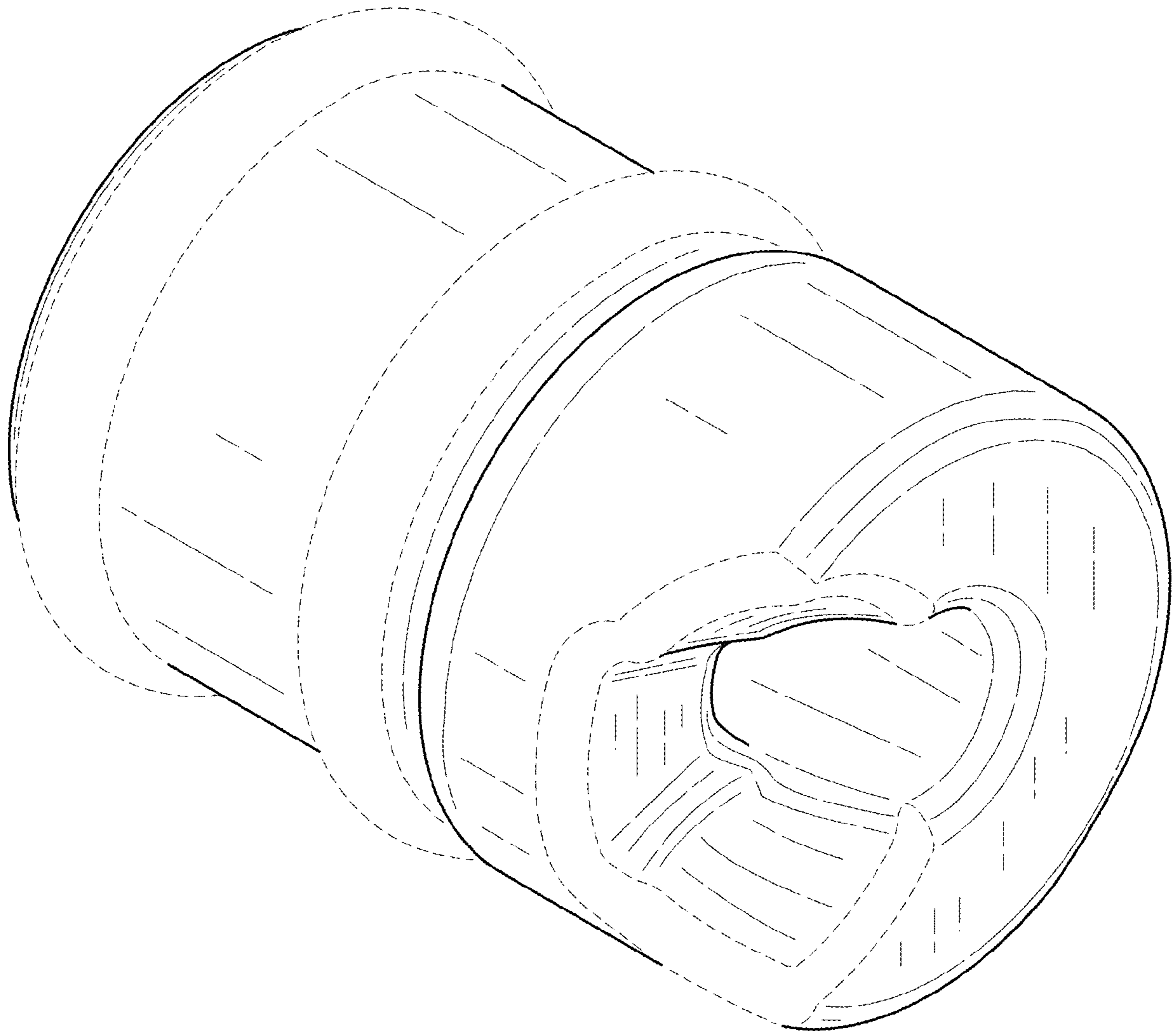


FIG.9

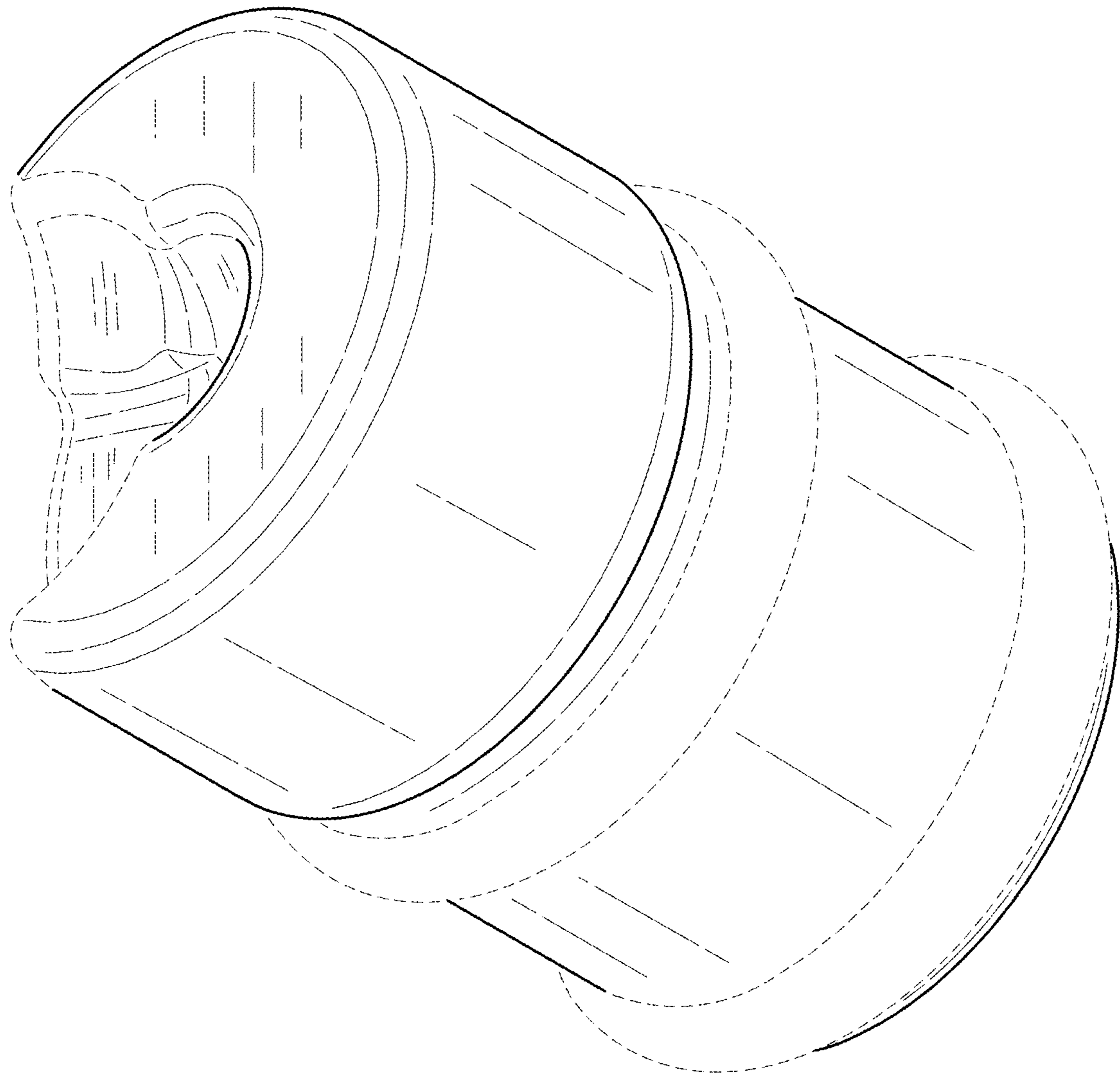


FIG.10

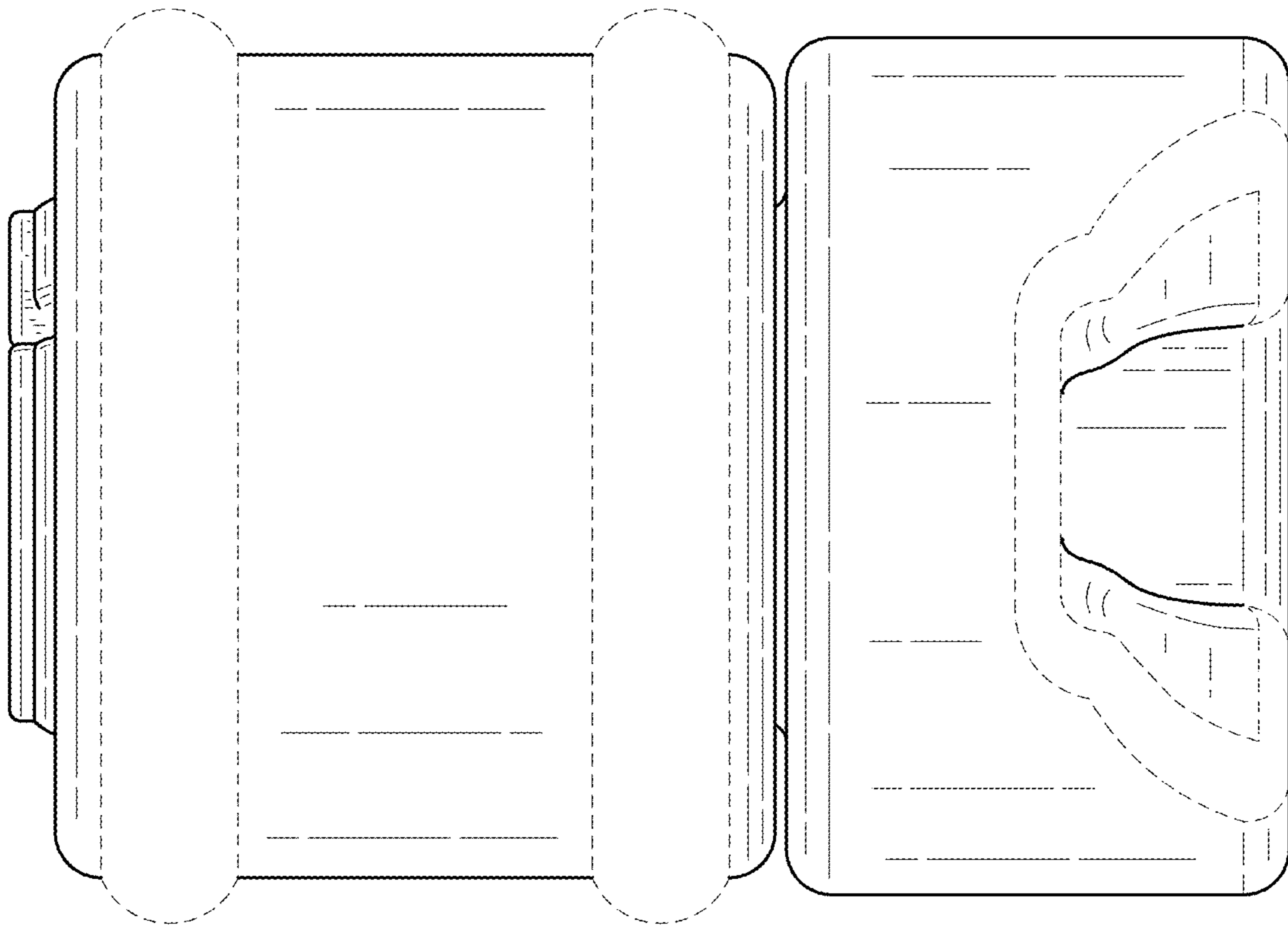


FIG.11

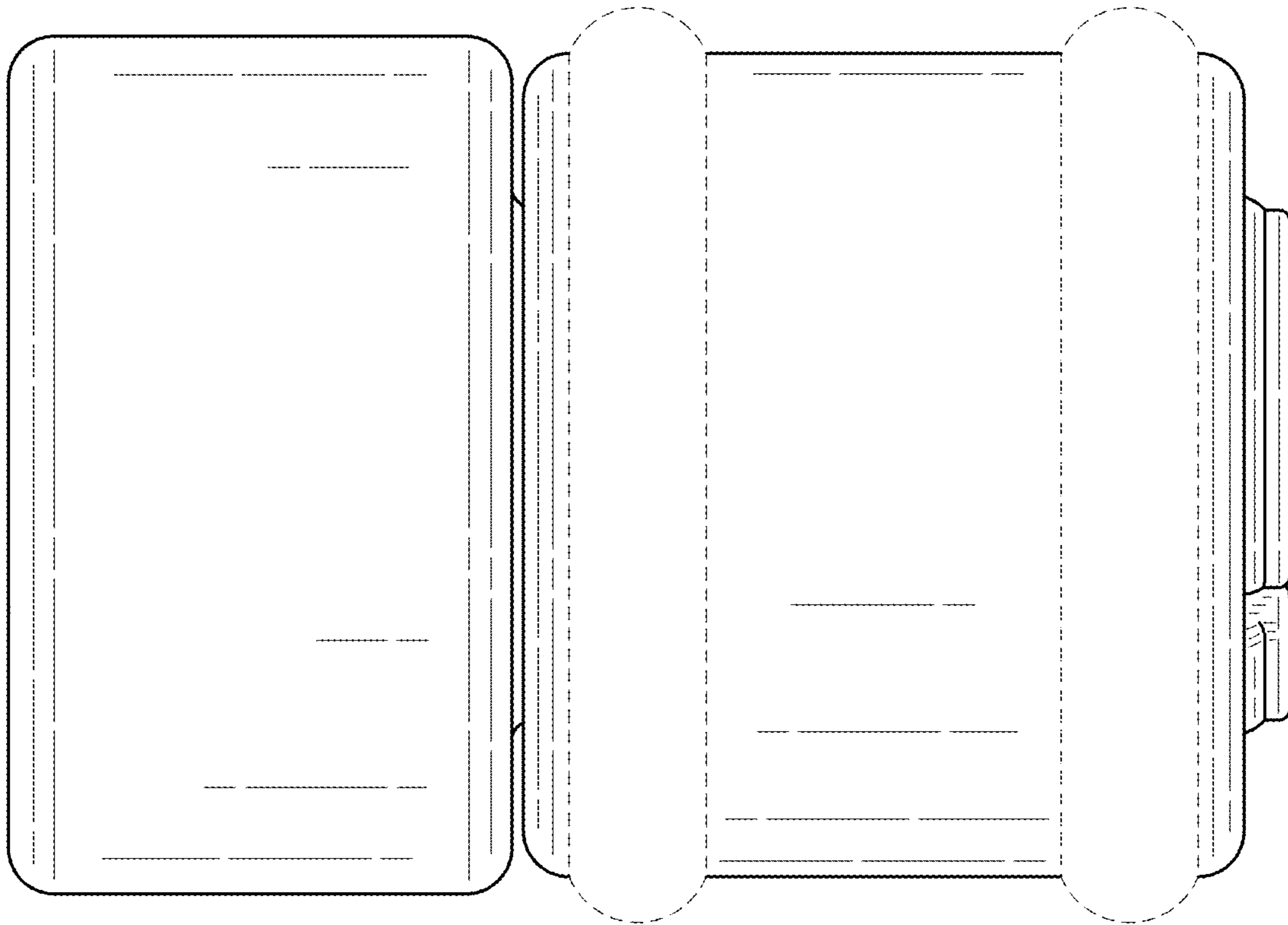


FIG.12

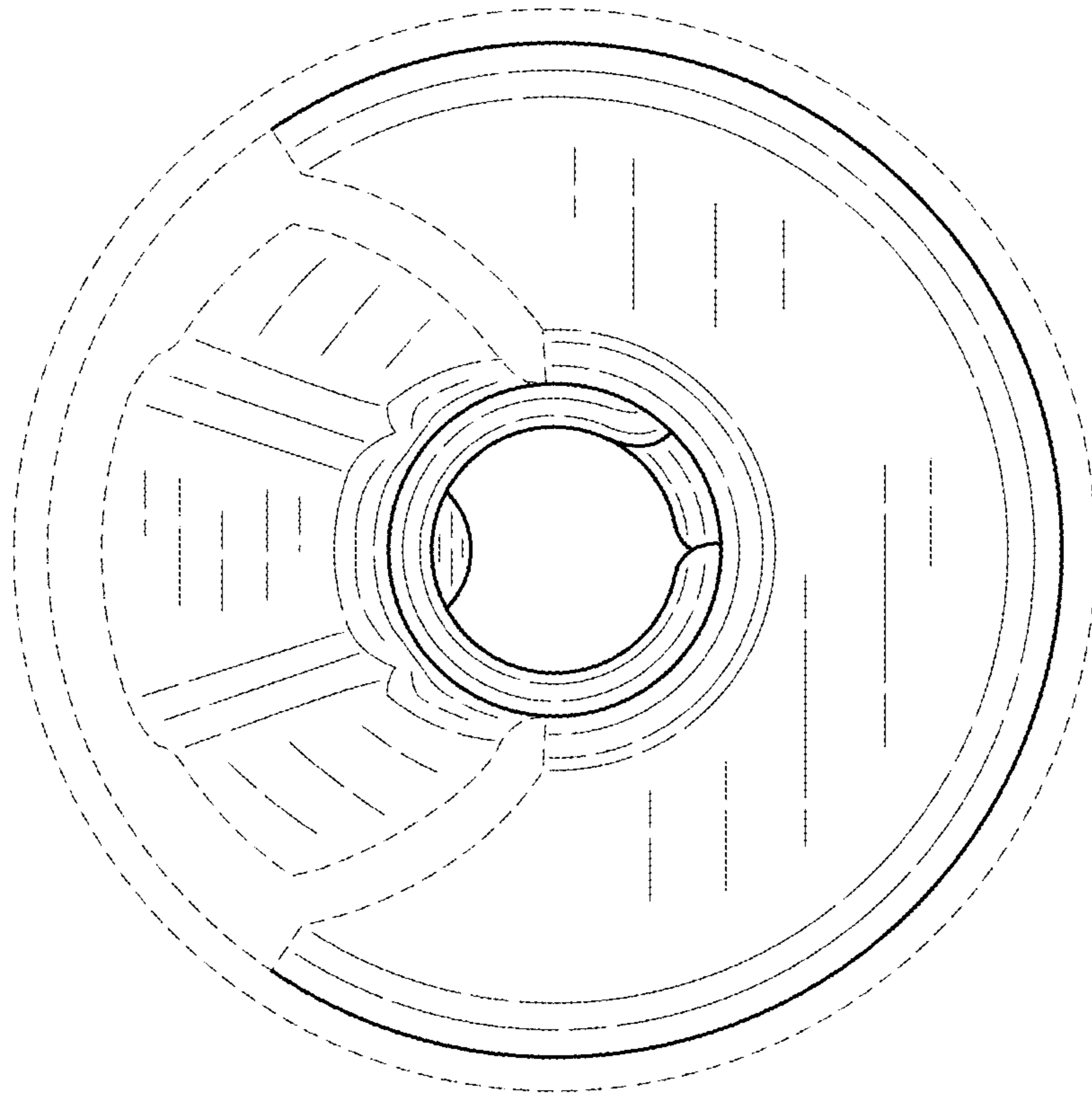


FIG.13

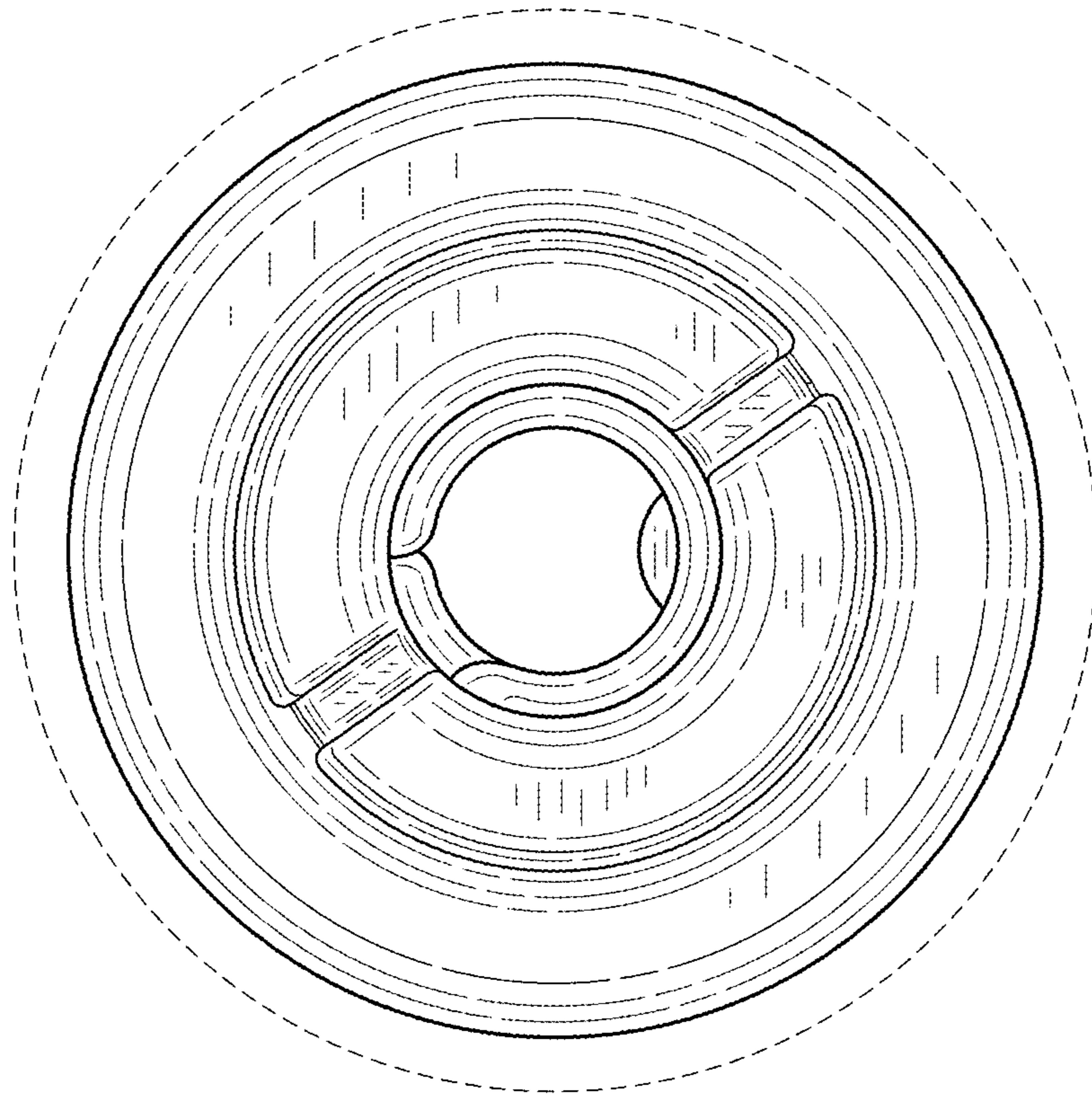


FIG.14

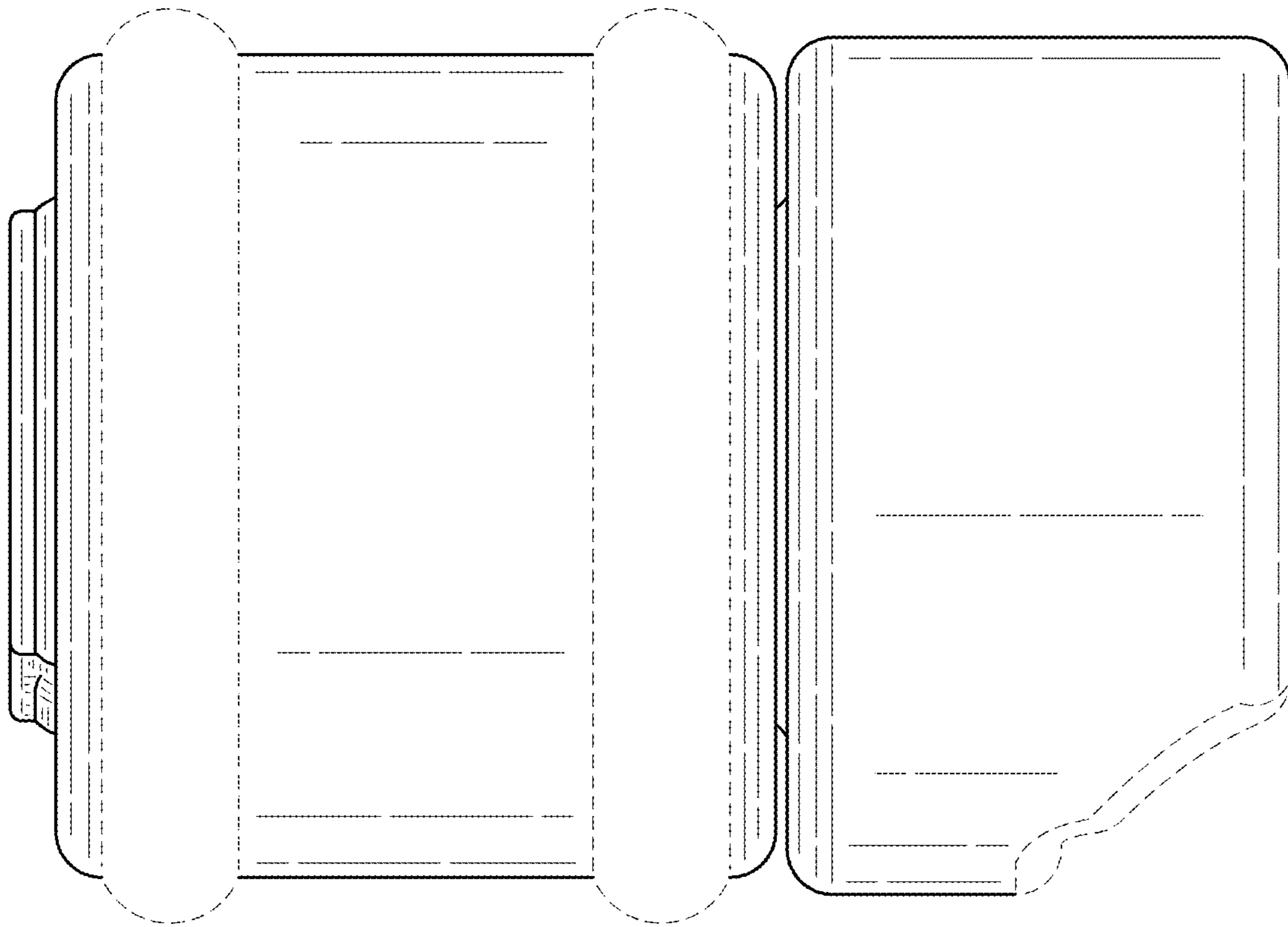


FIG.15



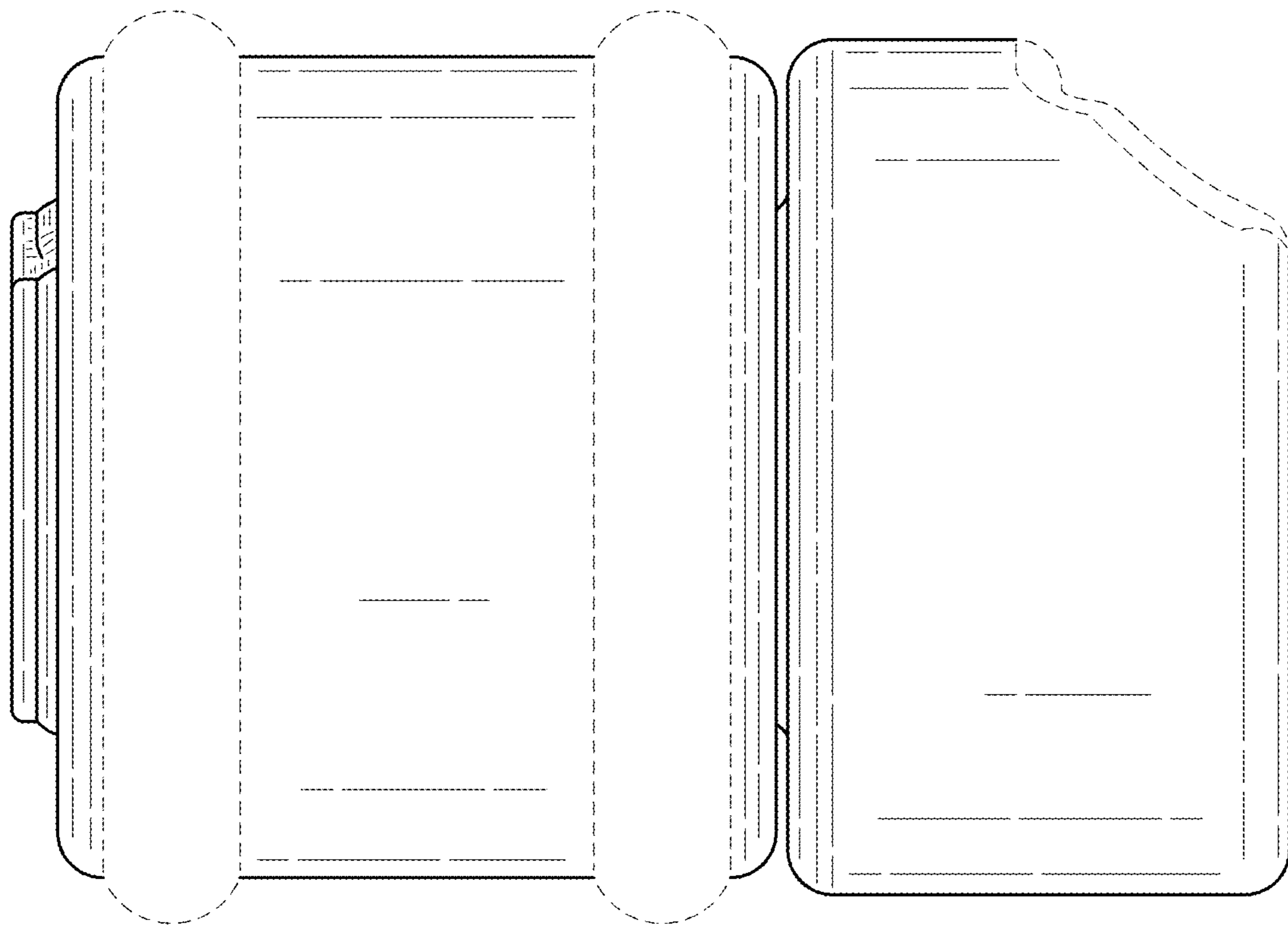


FIG. 16

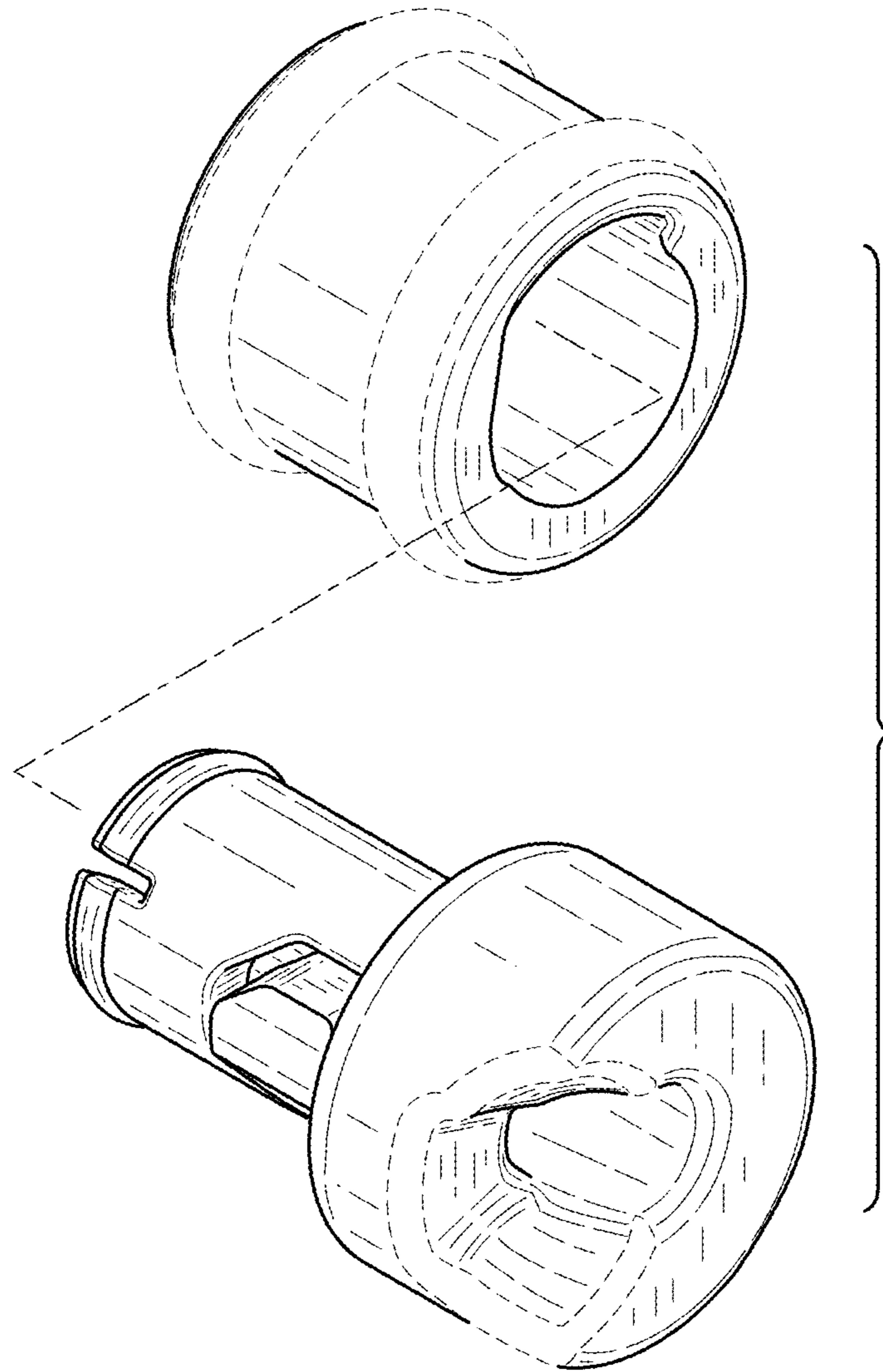


FIG.17

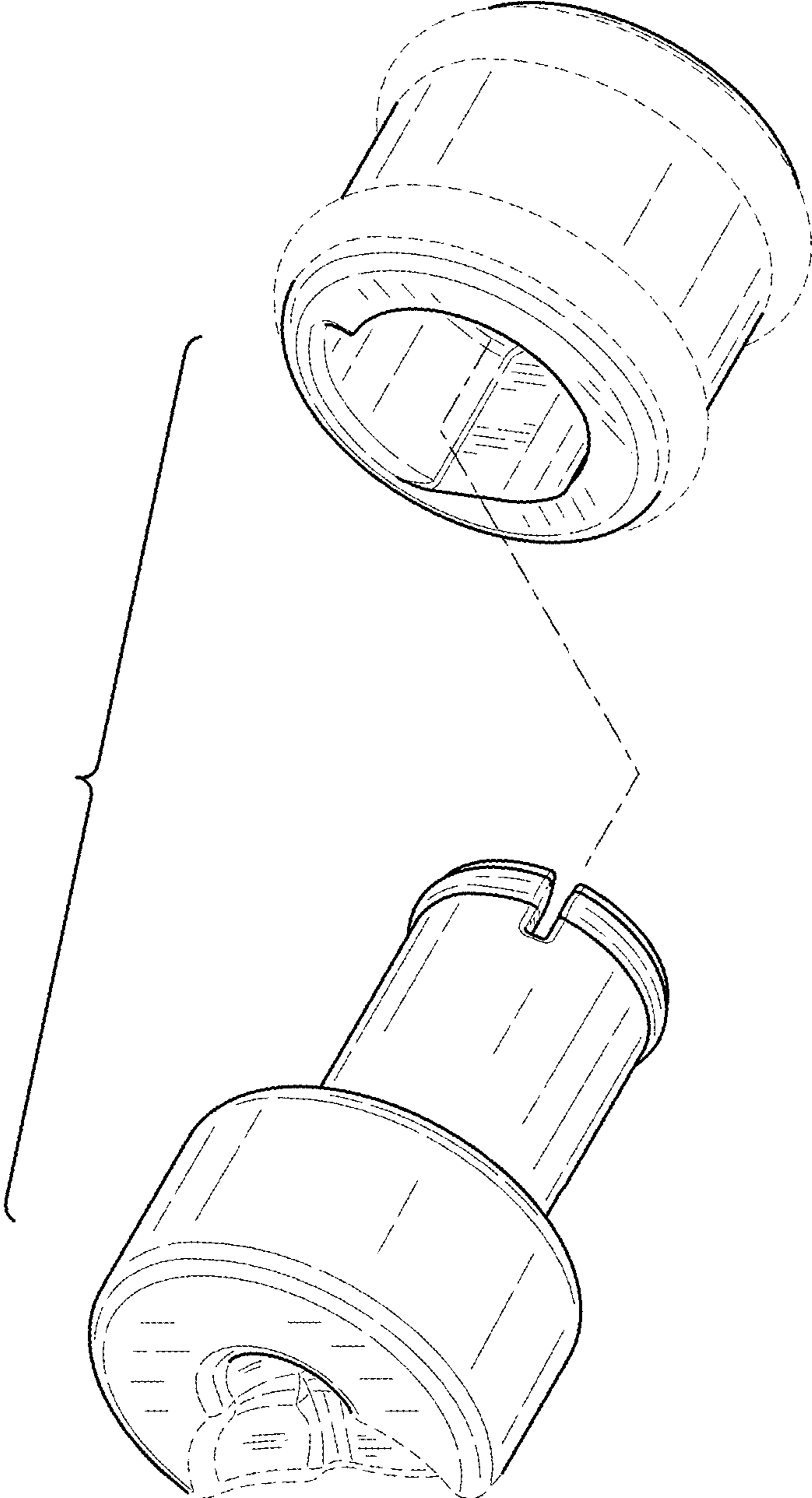


FIG.18

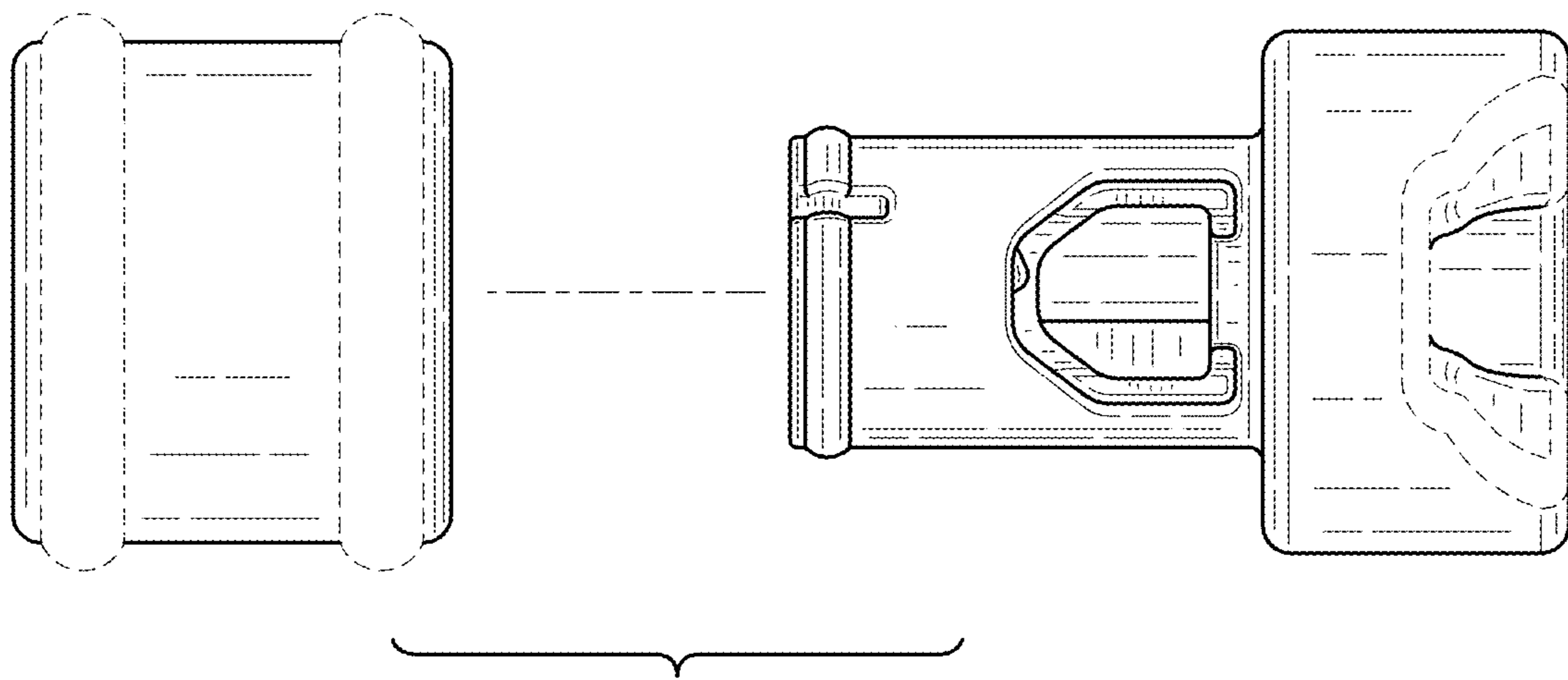


FIG.19

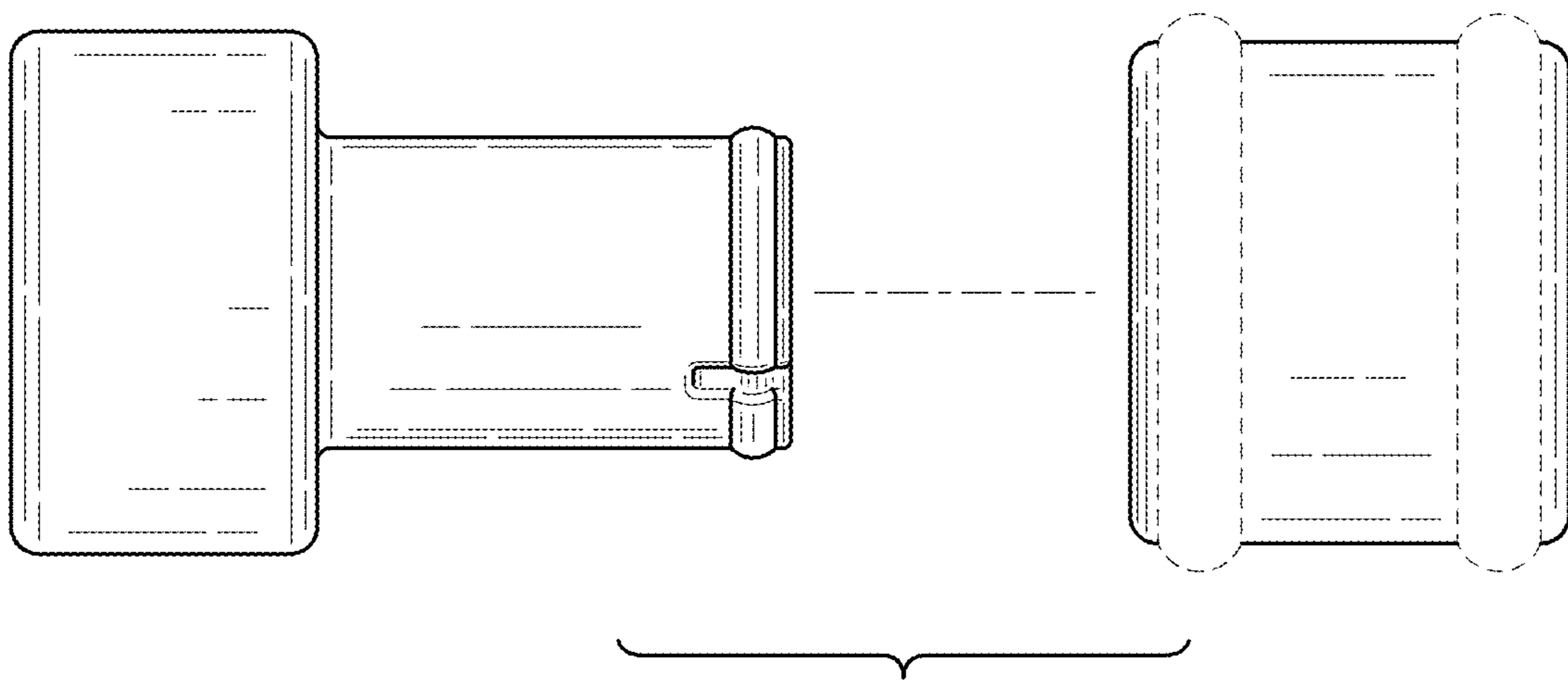


FIG.20

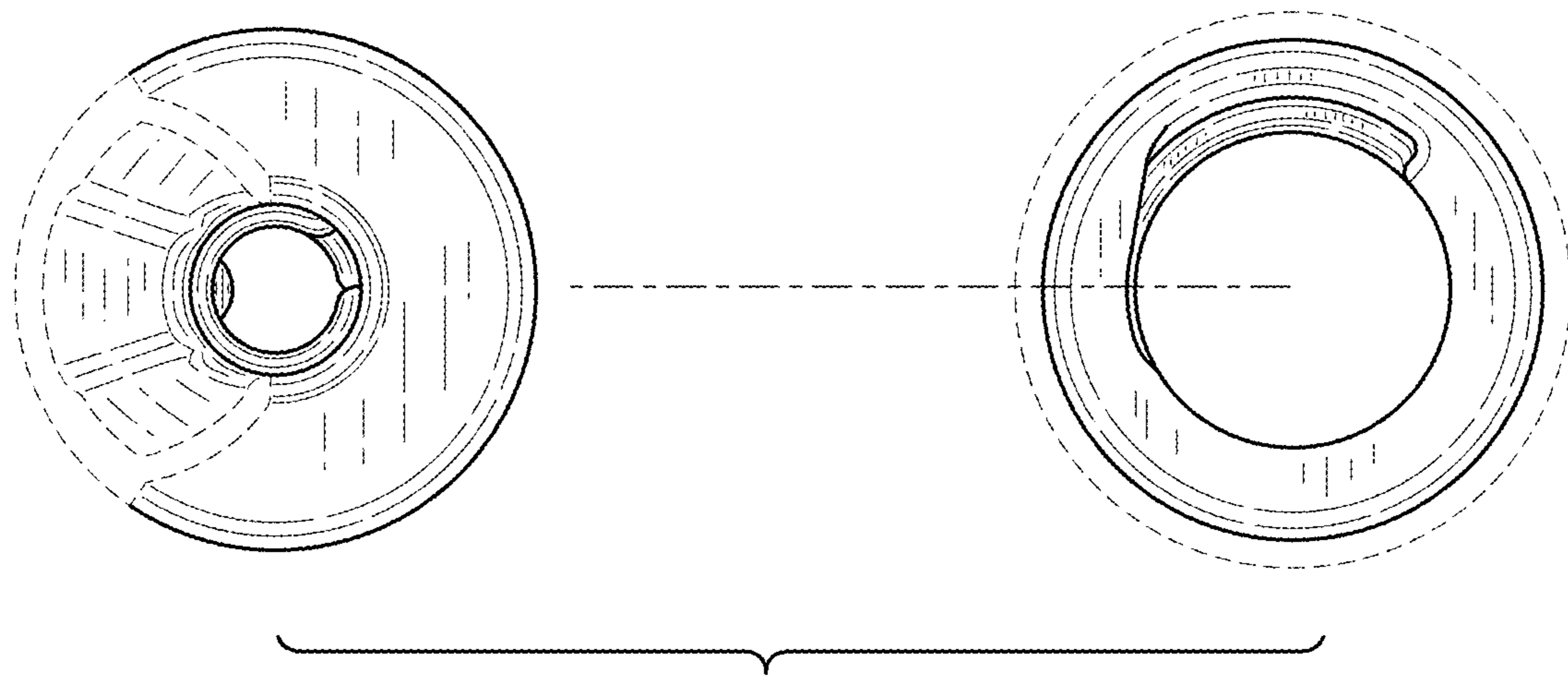


FIG.21

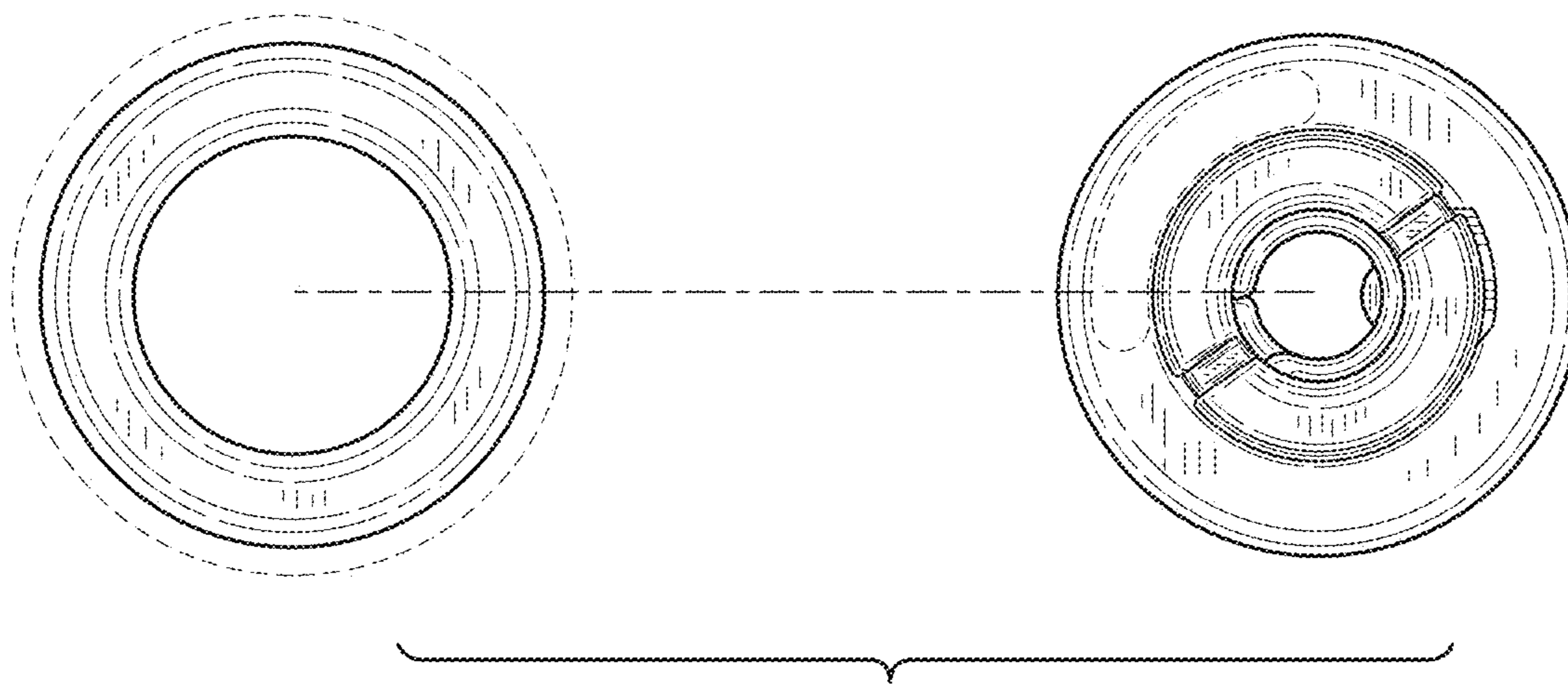


FIG.22

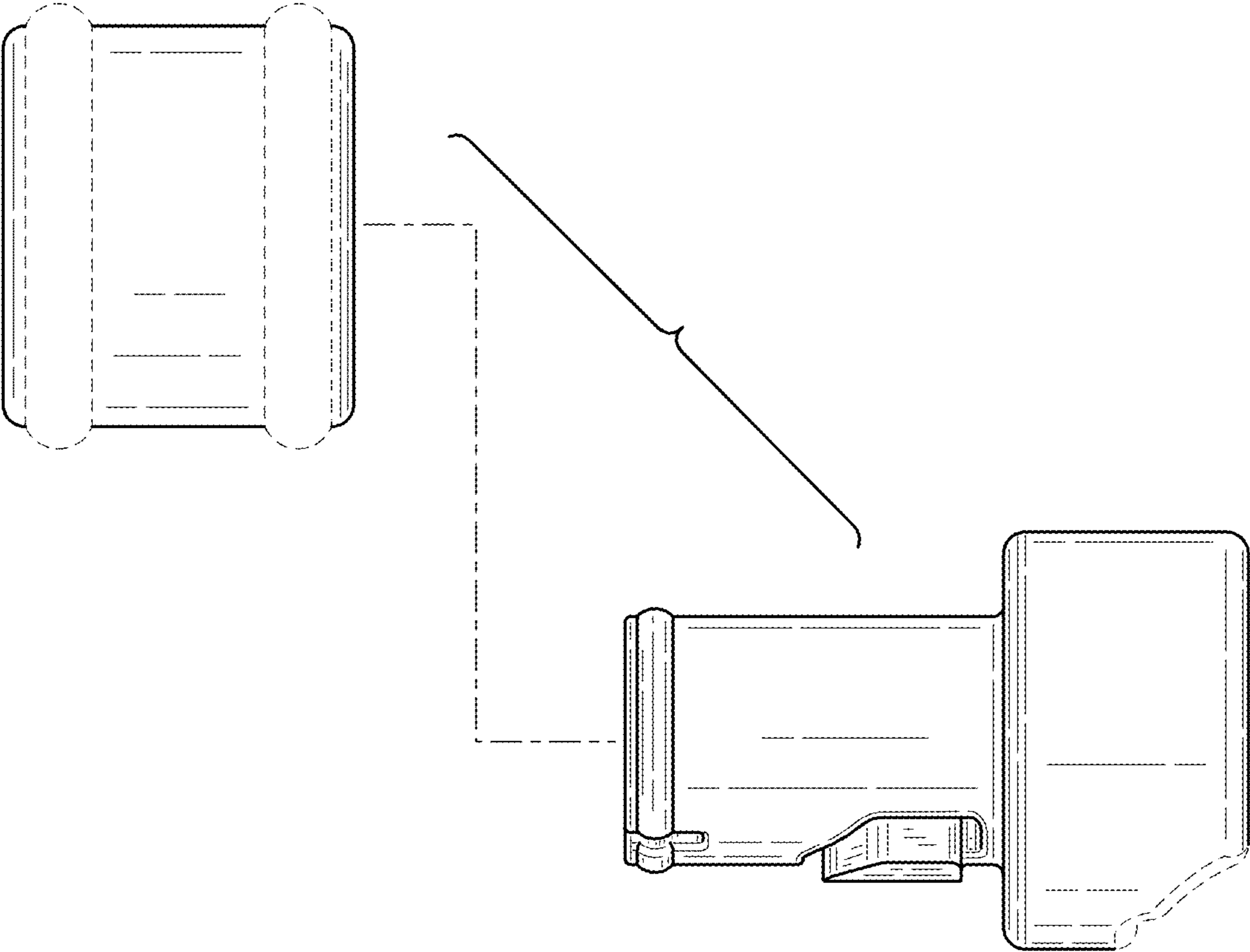


FIG.23



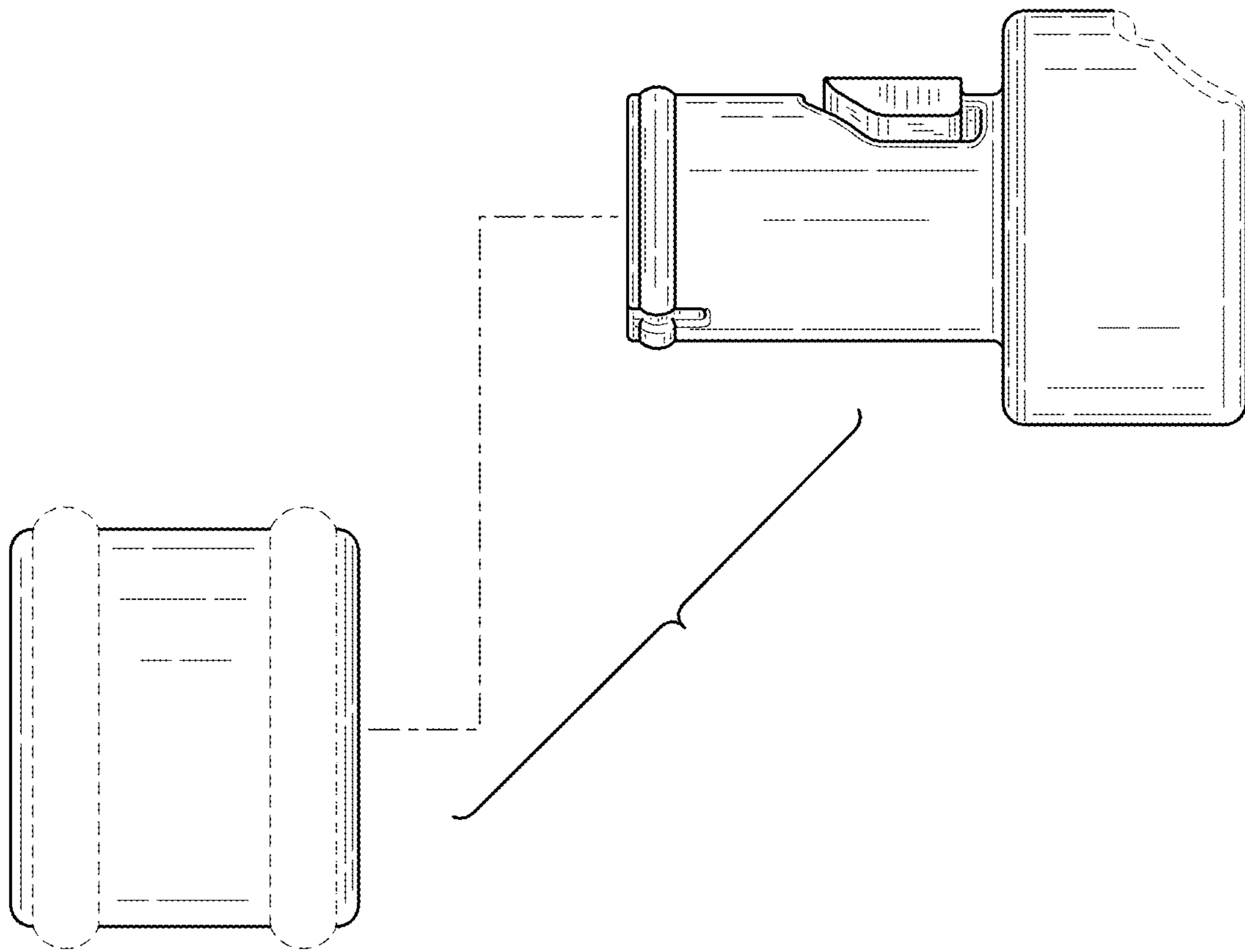


FIG.24