



US00D989956S

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

(10) **Patent No.:** **US D989,956 S**  
(45) **Date of Patent:** **\*\* Jun. 20, 2023**

(54) **CONNECTING MEMBER FOR ENDOSCOPE**

(71) Applicant: **OLYMPUS MEDICAL SYSTEMS CORP.**, Tokyo (JP)

(72) Inventors: **Yuya Matsuoka**, Tokyo (JP); **Yuya Hidaka**, Tokyo (JP)

(73) Assignee: **OLYMPUS MEDICAL SYSTEMS CORP.**, Tokyo (JP)

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

(21) Appl. No.: **29/796,482**

(22) Filed: **Jun. 24, 2021**

(51) **LOC (14) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/129; D8/396**

(58) **Field of Classification Search**  
USPC ..... **D24/127–128; D19/23, 81, 83, 84, 100, D19/75**

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,881,810 A \* 11/1989 Hasegawa ..... A61B 1/00135  
385/117  
D411,440 S \* 6/1999 Stahel ..... D8/396

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 306901489 \* 10/2021

**OTHER PUBLICATIONS**

Satoki Shichijo , “Devices, techniques, traction, suturing, and countermeasures for endoscopic submucosal dissection complications”, [misjournal.net/](https://misjournal.net/), [Post date 2022], [Site seen Jan. 23, 2023], Seen at URL: <https://misjournal.net/article/view/4811> (Year: 2022).\*

(Continued)

*Primary Examiner* — Natasha Vujcic  
*Assistant Examiner* — Gilbert B Ford  
(74) *Attorney, Agent, or Firm* — Oliff PLC

(57) **CLAIM**

We claim, the ornamental design for a connecting member for endoscope, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a first embodiment of a connecting member for endoscope, showing the new design. FIG. 2 is a front elevation view thereof. FIG. 3 is a rear 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 reference view showing a state of use thereof. FIG. 9 is a top perspective view of a second embodiment of a connecting member for endoscope, showing the new design. FIG. 10 is a front elevation view thereof. FIG. 11 is a rear elevation view thereof. FIG. 12 is a left side elevation view thereof. FIG. 13 is a right side elevation view thereof. FIG. 14 is a top plan view thereof. FIG. 15 is a bottom plan view thereof. FIG. 16 is a reference view showing a state of use thereof. FIG. 17 is a top perspective view of a third embodiment of a connecting member for endoscope, showing the new design. FIG. 18 is a front elevation view thereof. FIG. 19 is a rear elevation view thereof. FIG. 20 is a left side elevation view thereof. FIG. 21 is a right side elevation view thereof. FIG. 22 is a top plan view thereof. FIG. 23 is a bottom plan view thereof. FIG. 24 is a reference view showing a state of use thereof. FIG. 25 is a top perspective view of a fourth embodiment of a connecting member for endoscope, showing the new design. FIG. 26 is a bottom perspective view thereof. FIG. 27 is a front elevation view thereof.

(Continued)

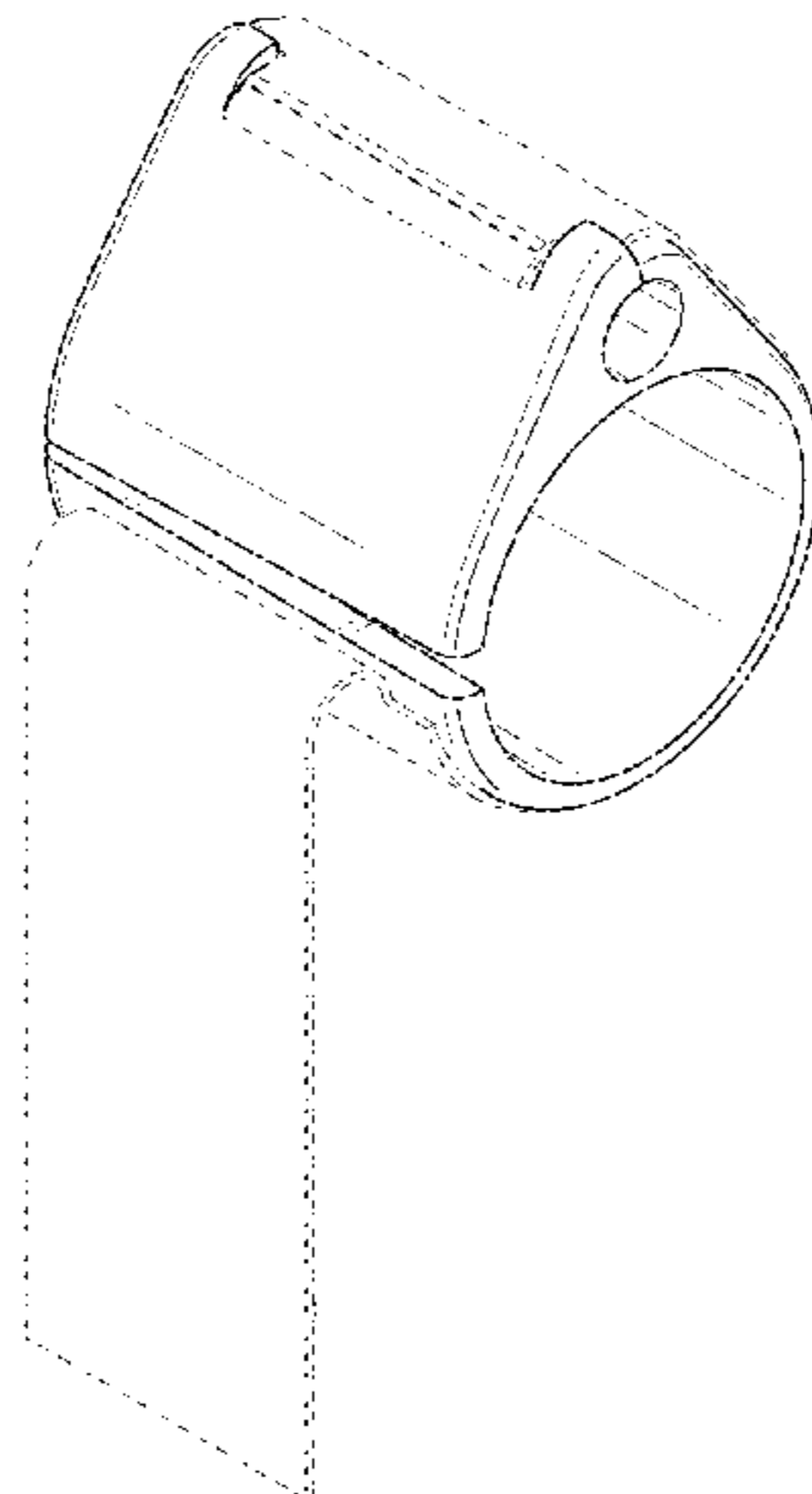


FIG. 28 is a rear elevation view thereof.  
FIG. 29 is a left side elevation view thereof.  
FIG. 30 is a right side elevation view thereof.  
FIG. 31 is a top plan view thereof.  
FIG. 32 is a bottom plan view thereof; and,  
FIG. 33 is a reference view showing a state of use thereof.  
The broken lines depict parts of the connecting member for endoscope that form no part of the claimed design.

**1 Claim, 33 Drawing Sheets**

(58) **Field of Classification Search**

CPC ..... A61B 1/0014; A61B 1/00142; A61B  
1/00066; A61B 1/00144; A61B 50/20  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D414,405 S \* 9/1999 Tompkins ..... D8/396  
D537,334 S \* 2/2007 Lee ..... D8/396

D594,318 S \* 6/2009 Fell ..... D8/396  
D702,113 S \* 4/2014 Weger ..... D8/396  
D761,085 S \* 7/2016 Cox ..... D8/354  
D962,758 S \* 9/2022 Wenning ..... D8/397  
D963,453 S \* 9/2022 MacKarvich ..... D8/394  
2008/0281299 A1 \* 11/2008 Menn ..... A61B 1/0014  
606/1  
2021/0113272 A1 \* 4/2021 Wall ..... A61B 90/11  
2021/0338046 A1 \* 11/2021 Yahagi ..... A61B 17/00234  
2022/0090734 A1 \* 3/2022 Atakan ..... F16B 2/243  
2022/0167830 A1 \* 6/2022 Kitt ..... A61B 50/20  
2022/0240763 A1 \* 8/2022 Hidaka ..... A61B 1/00137

OTHER PUBLICATIONS

OTSC® Over-The-Scope-Clip, Endotherapeutics, [Post date: unknown],  
[Site seen Jan. 23, 2023], Seen at URL: <https://www.endotherapeutics.com.au/product/otsc-haemostasis/> (Year: 2023).\*

\* cited by examiner

FIG. 1

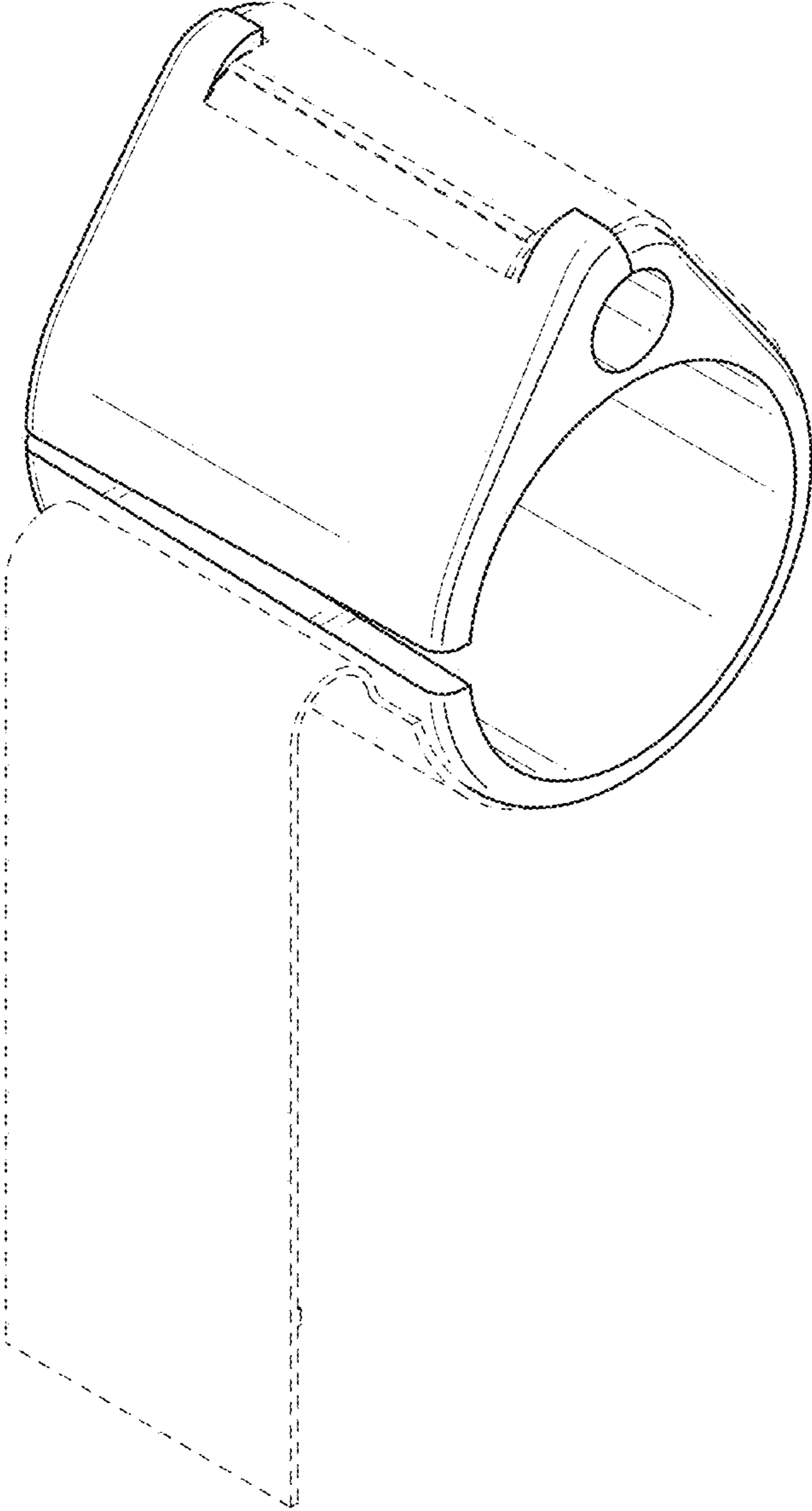


FIG. 2

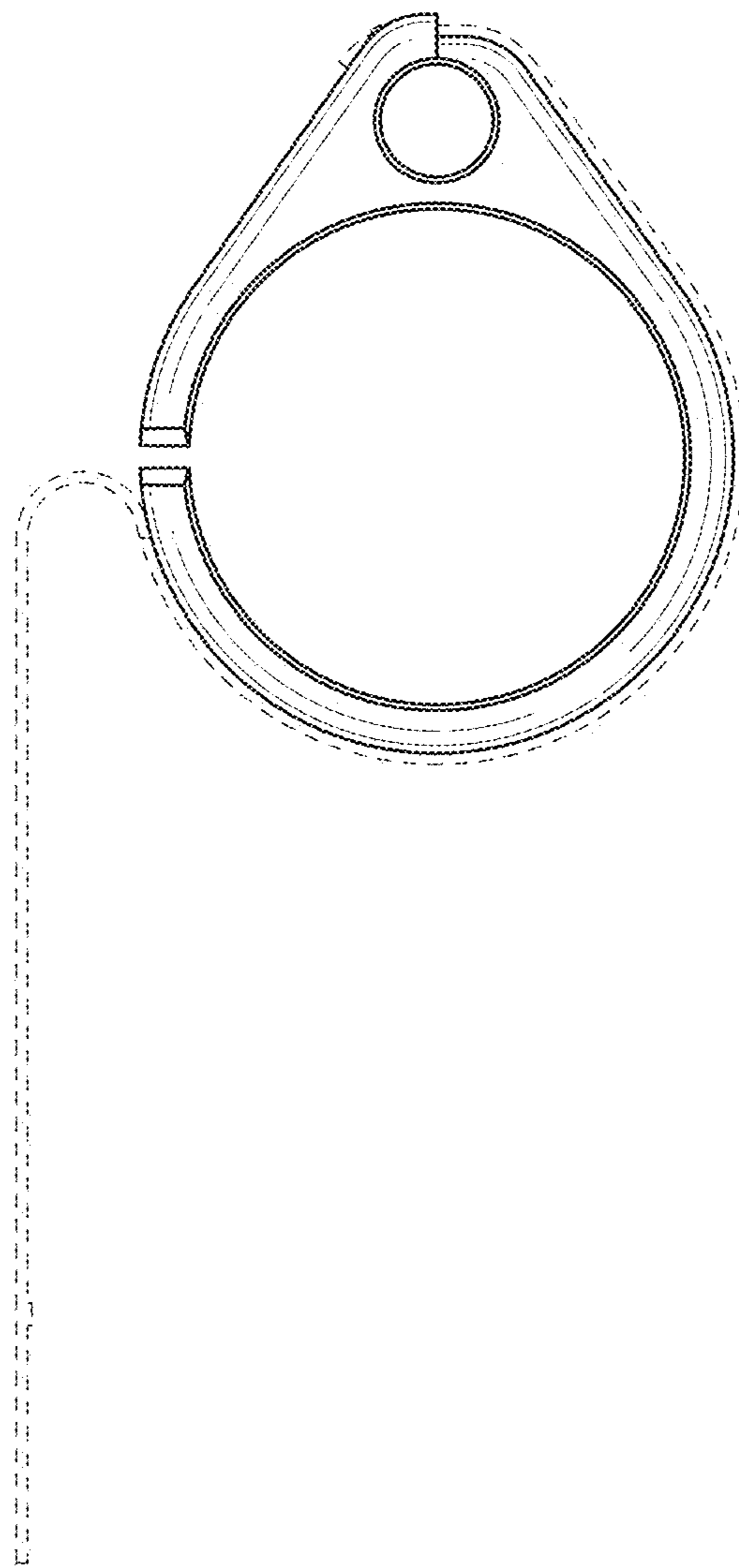


FIG. 3

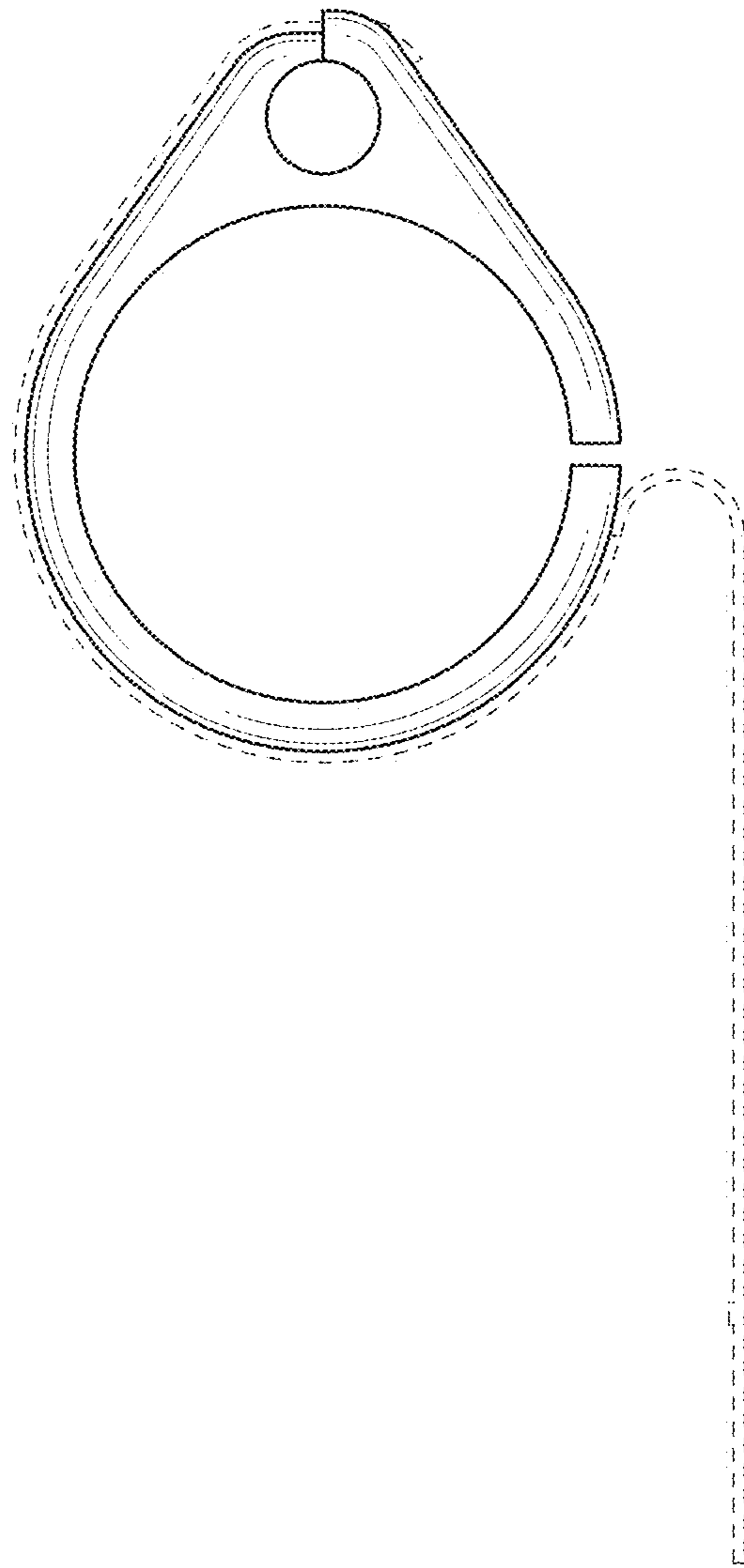


FIG. 4

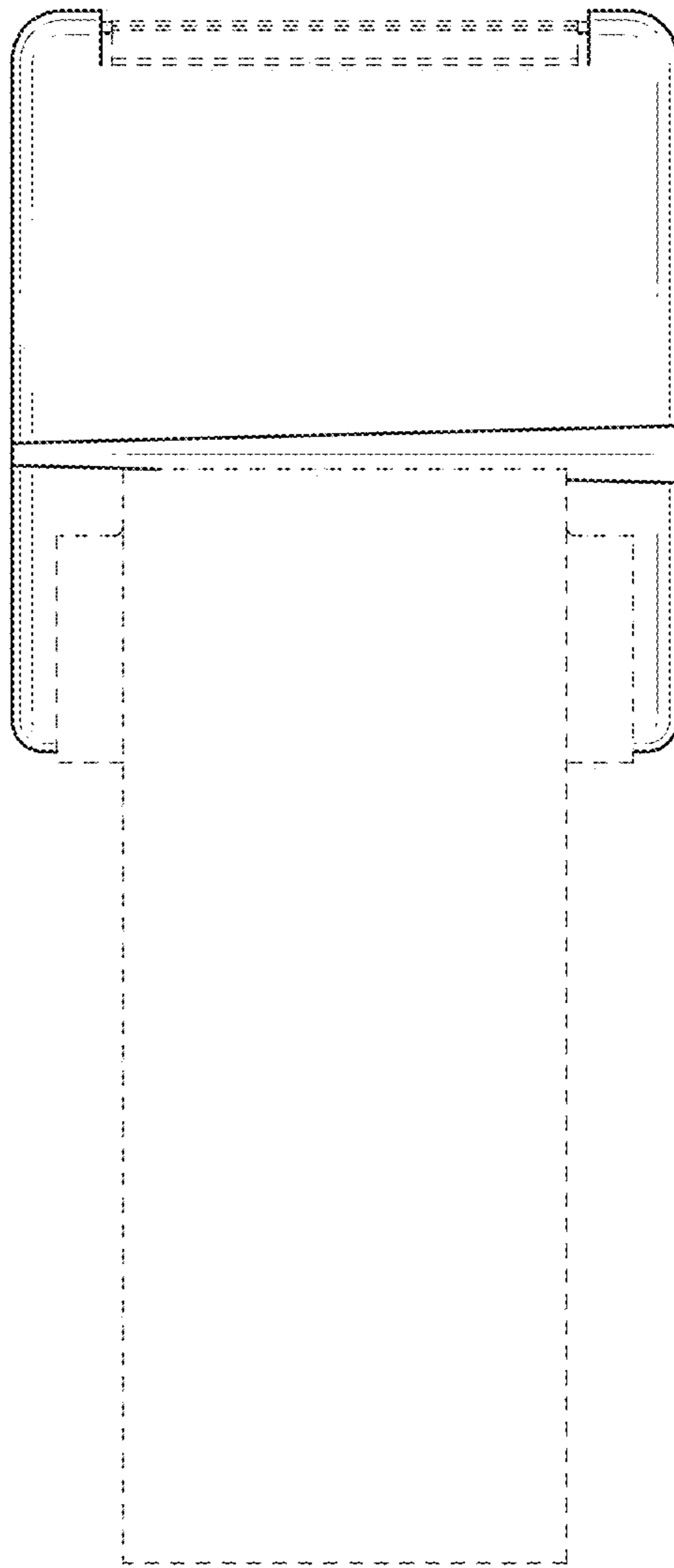


FIG. 5

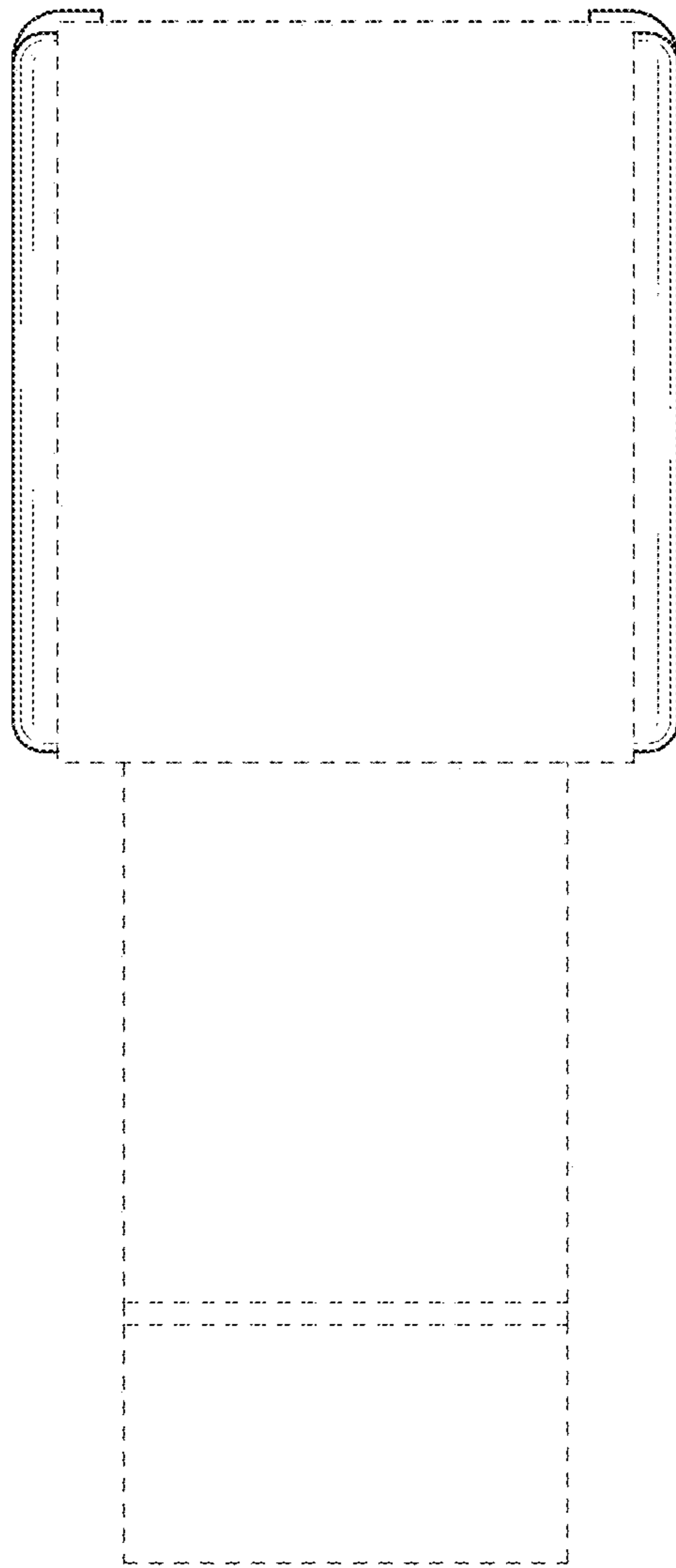


FIG. 6

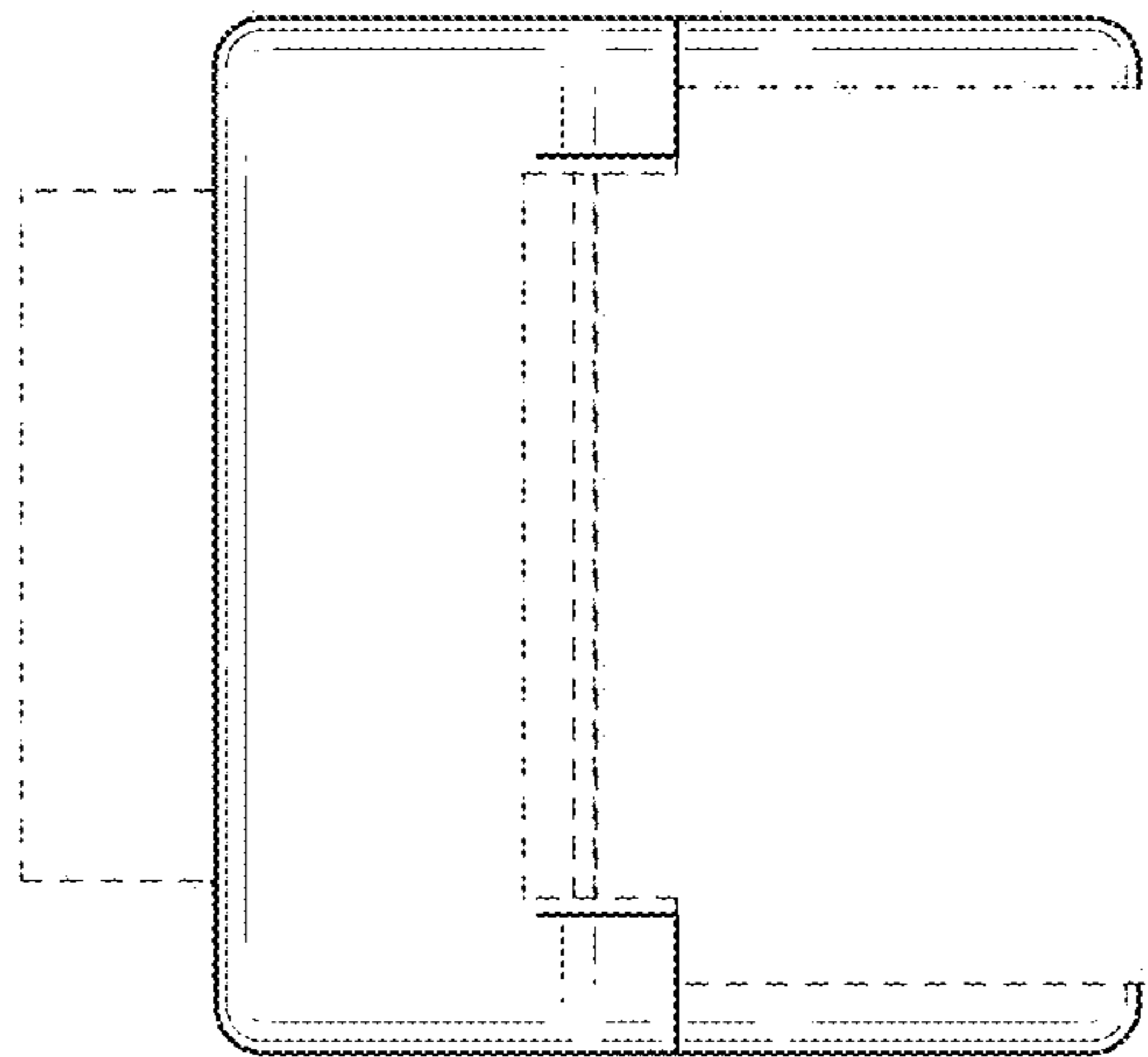




FIG. 7

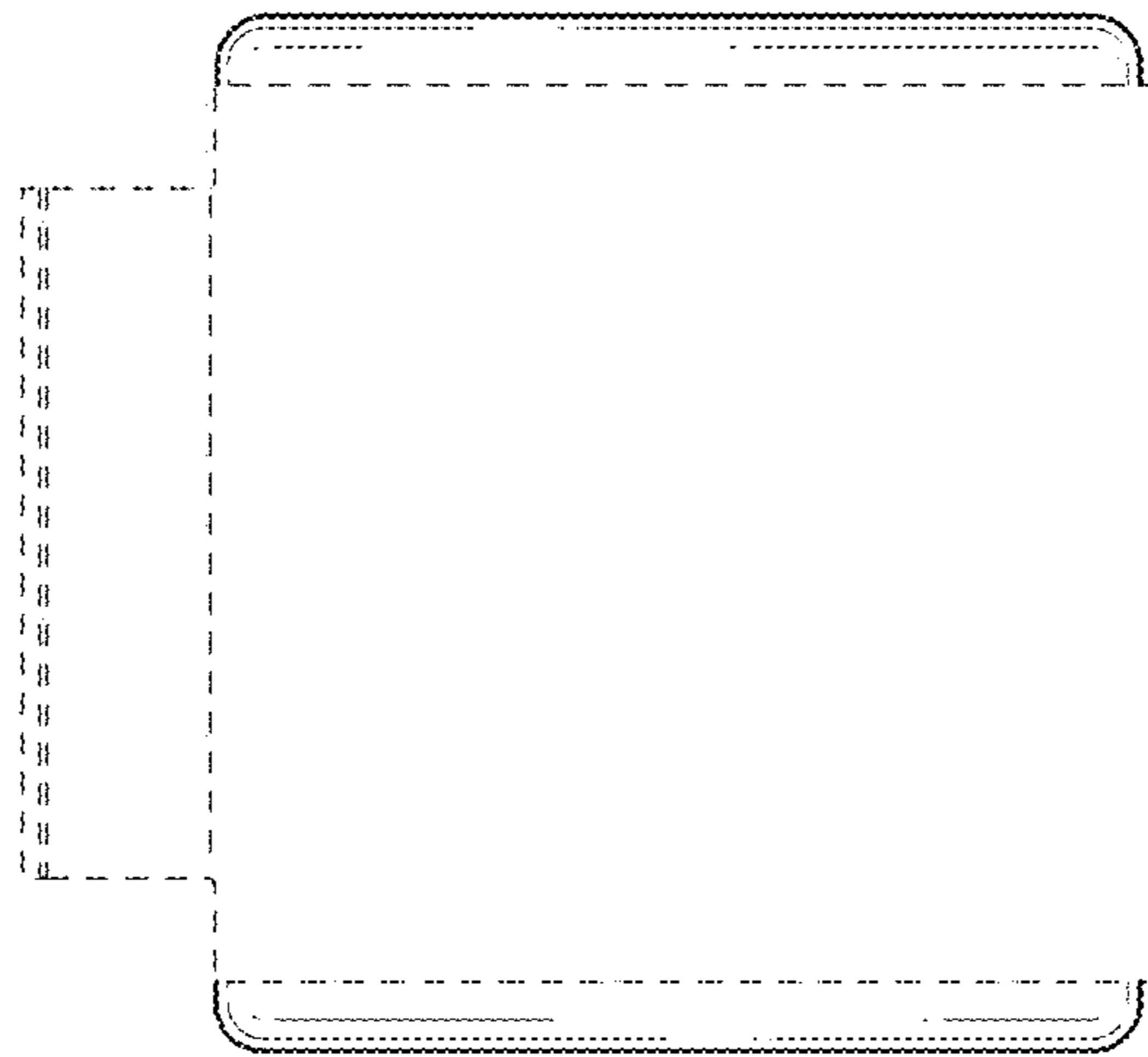


FIG. 8

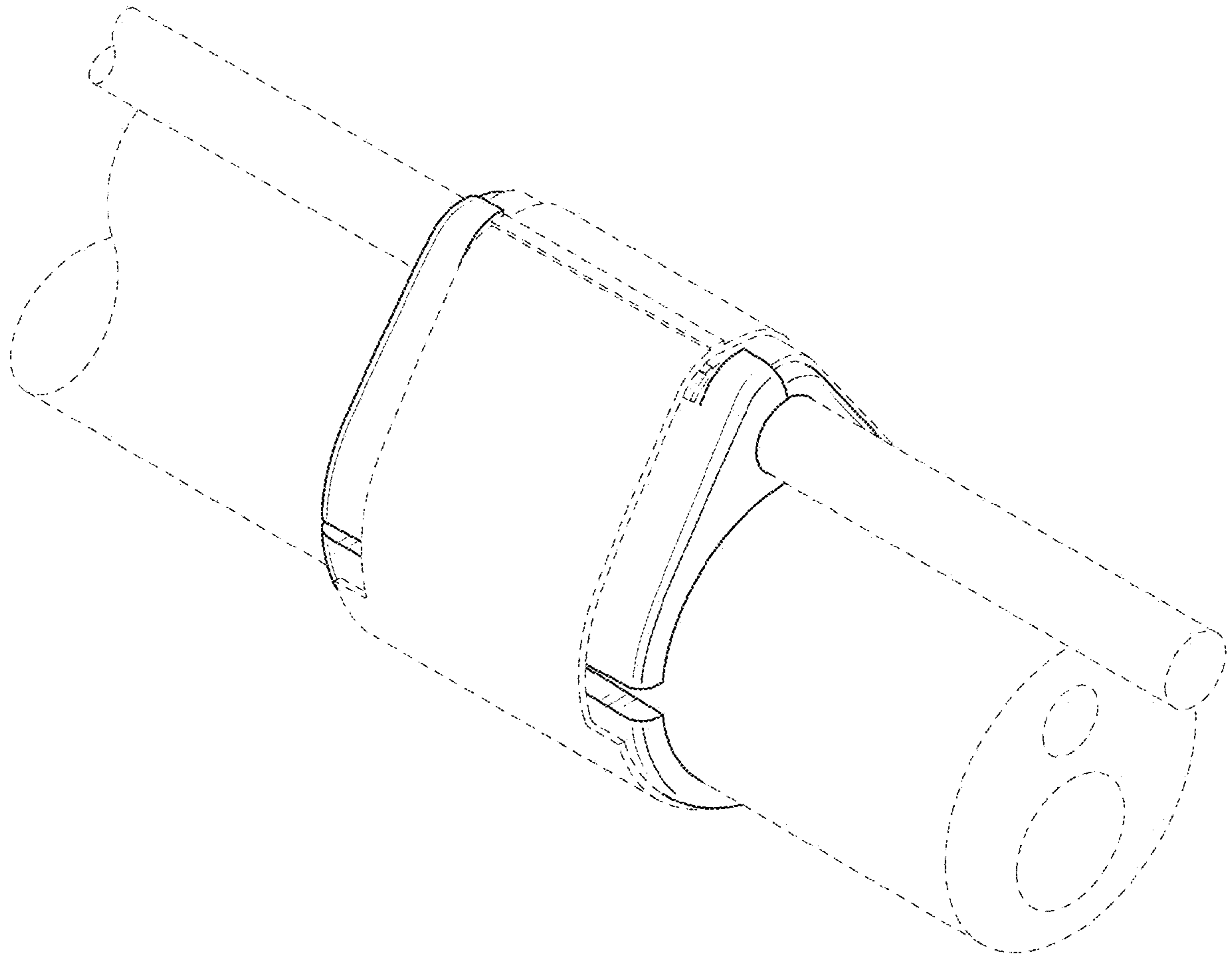


FIG. 9

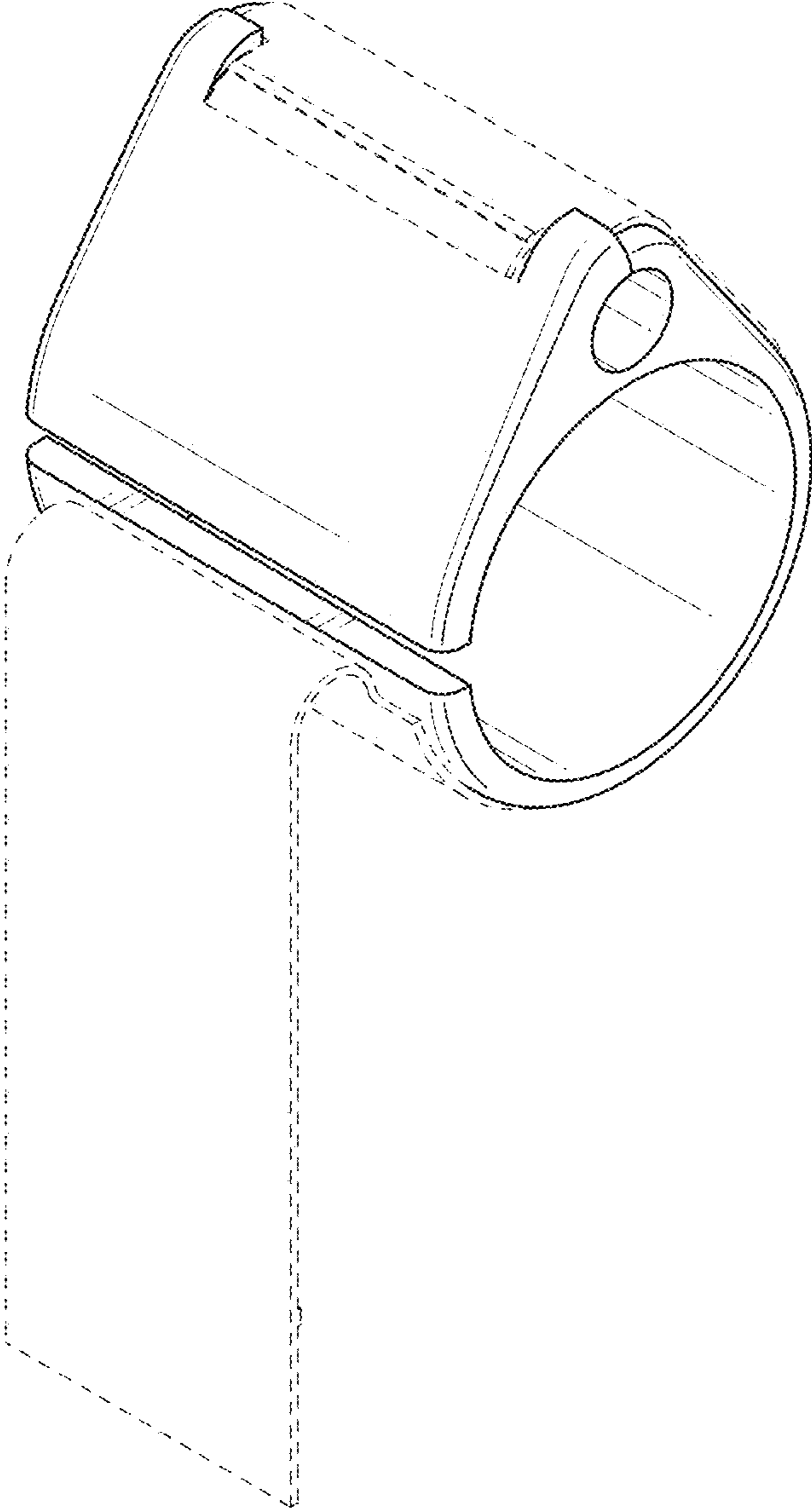


FIG. 10

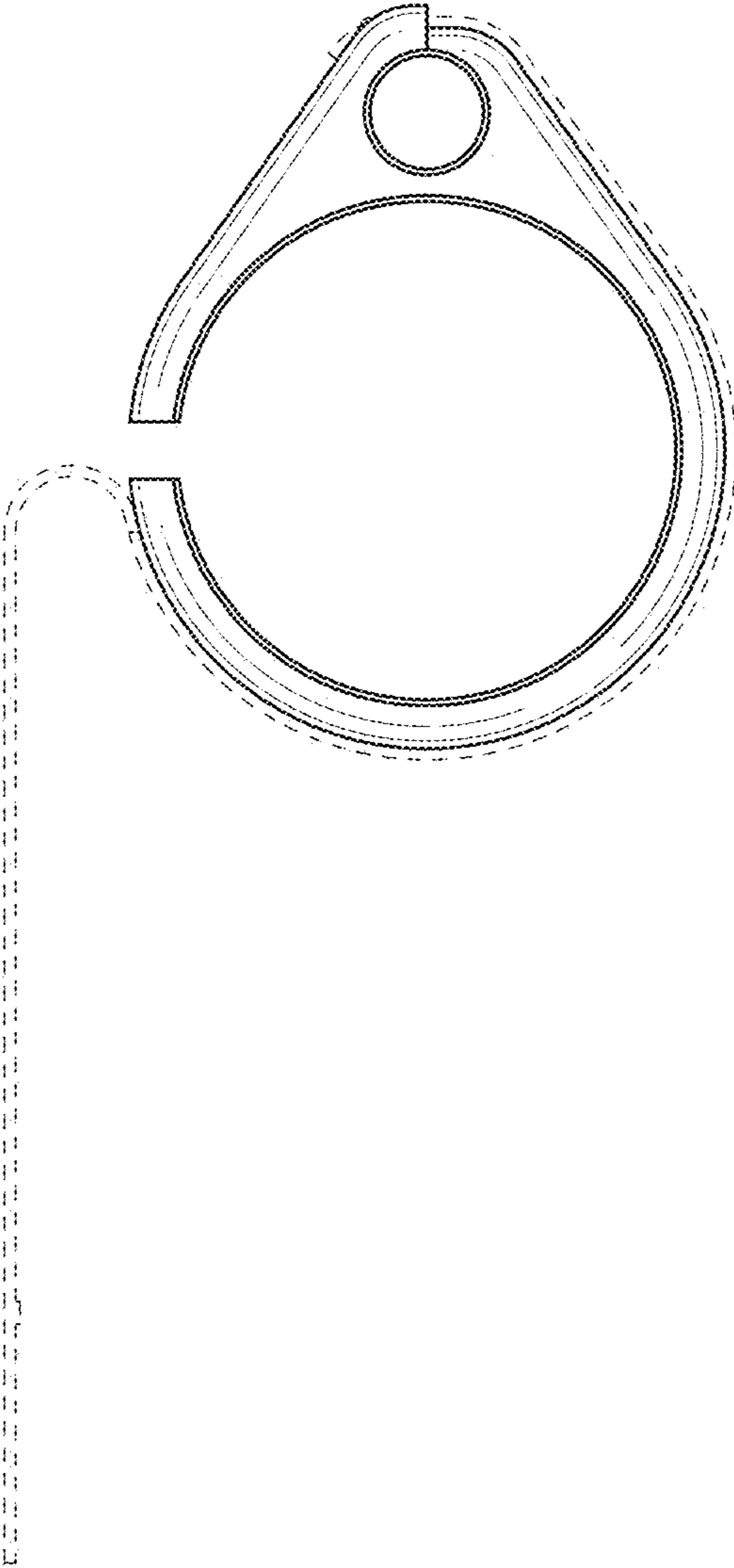


FIG. 11

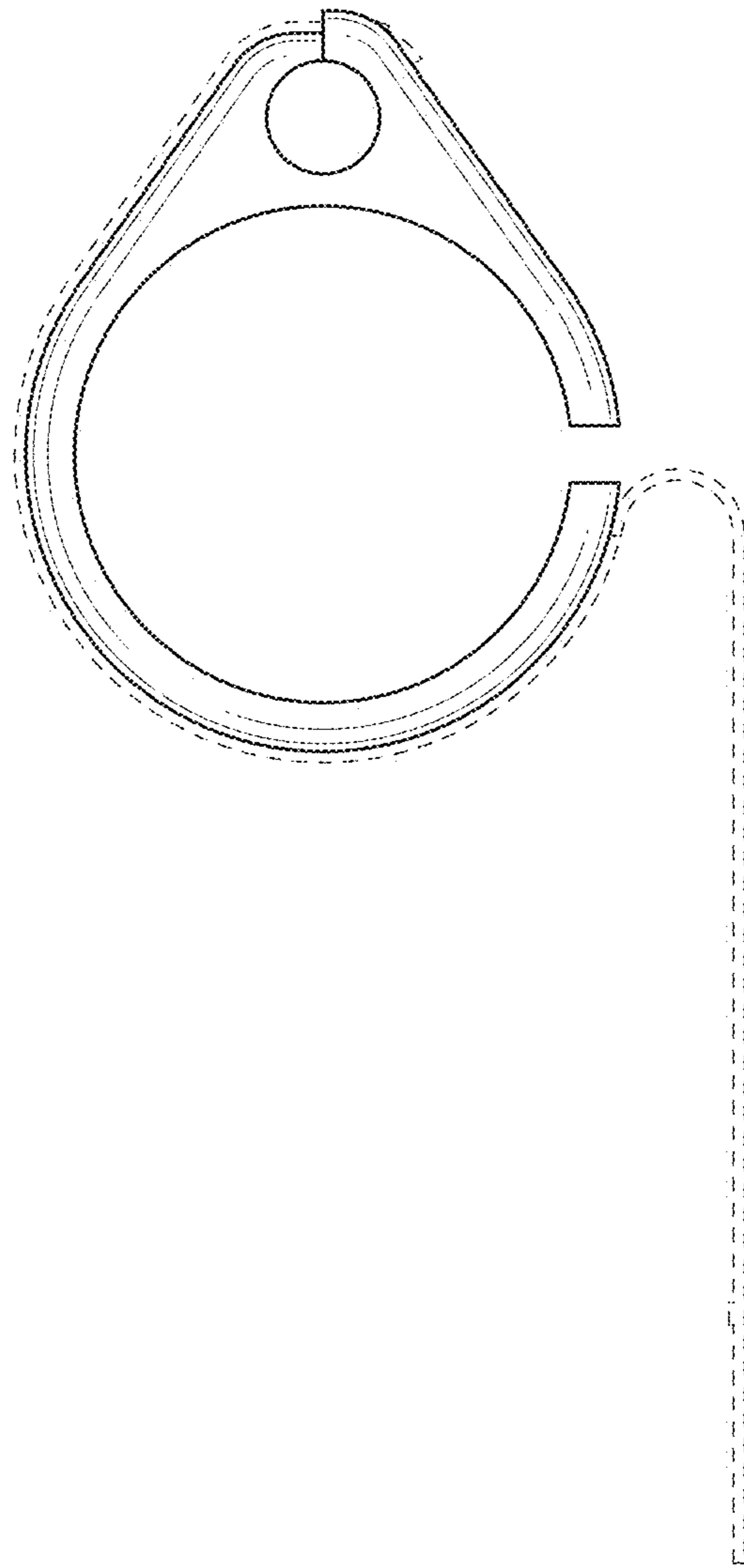


FIG. 12

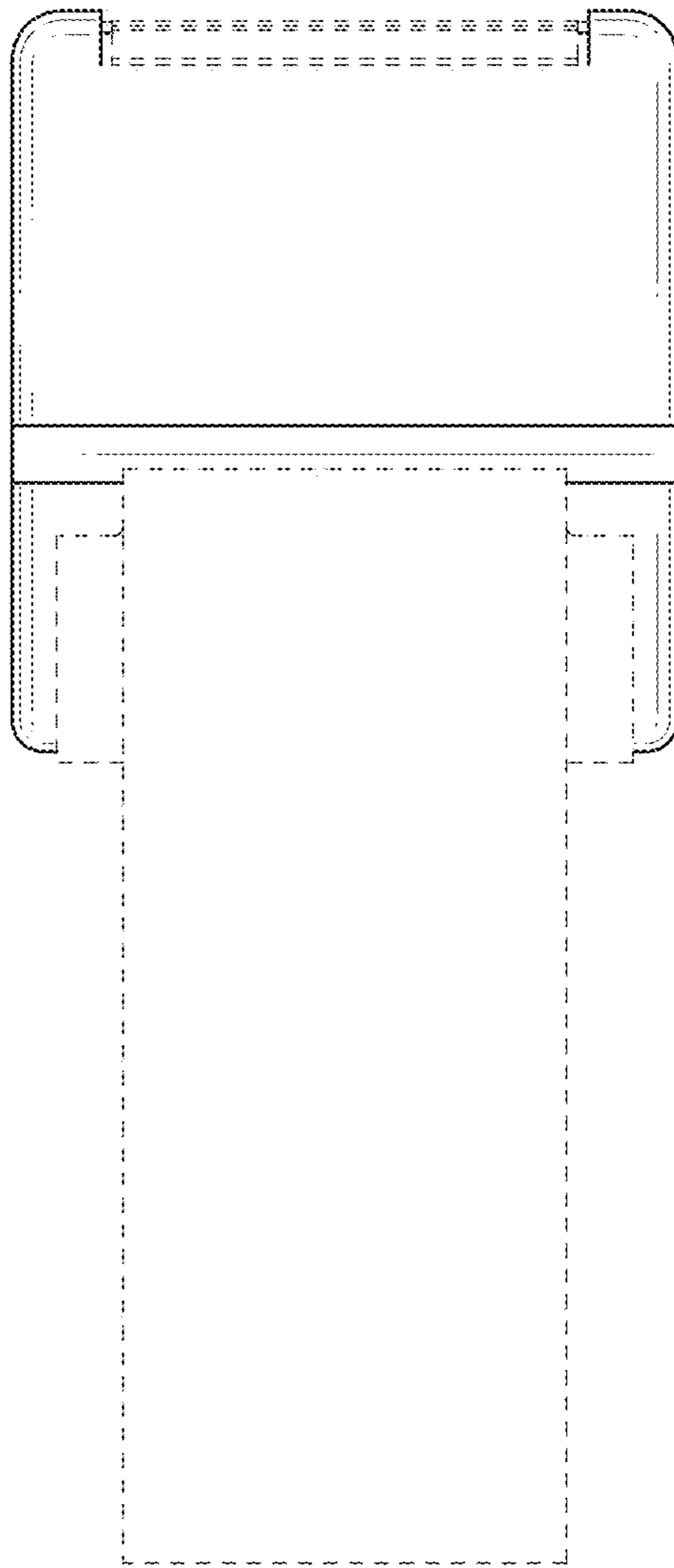


FIG. 13

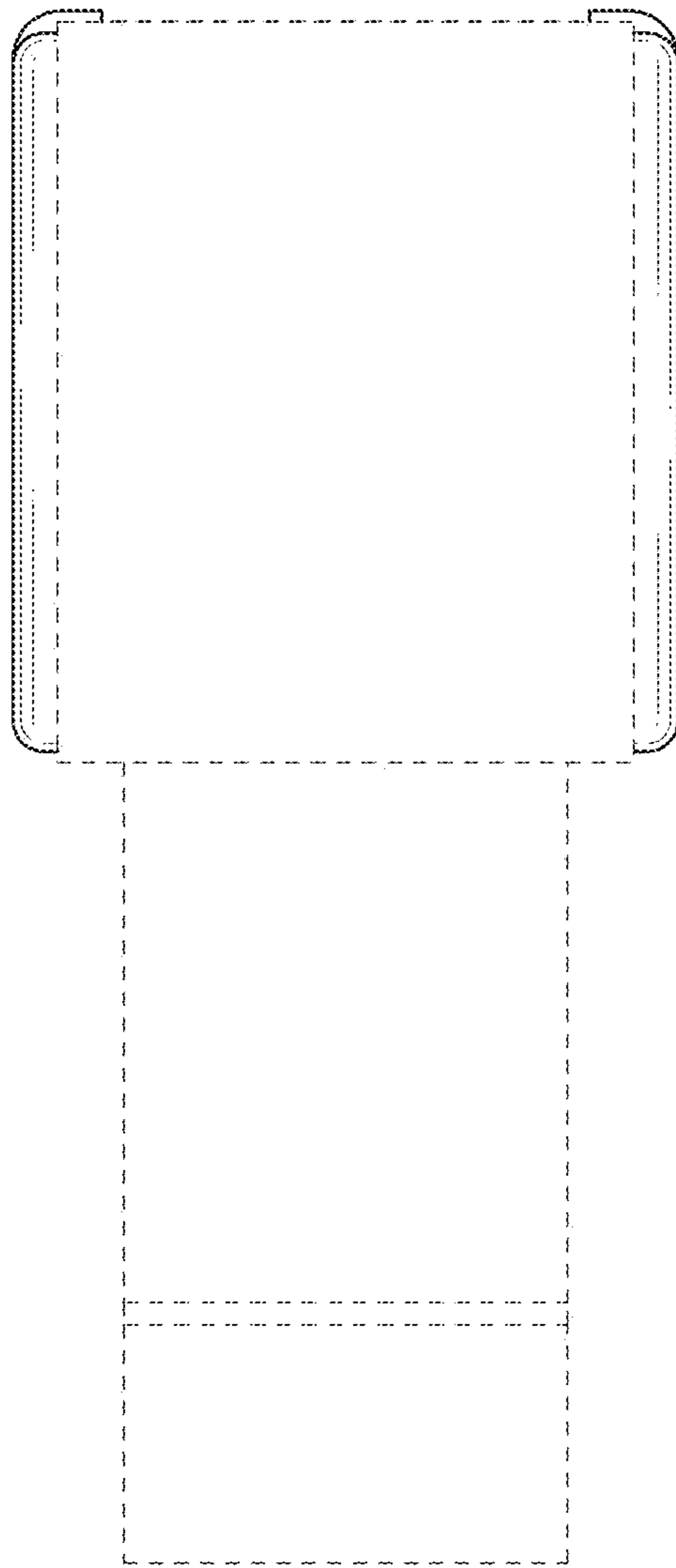


FIG. 14

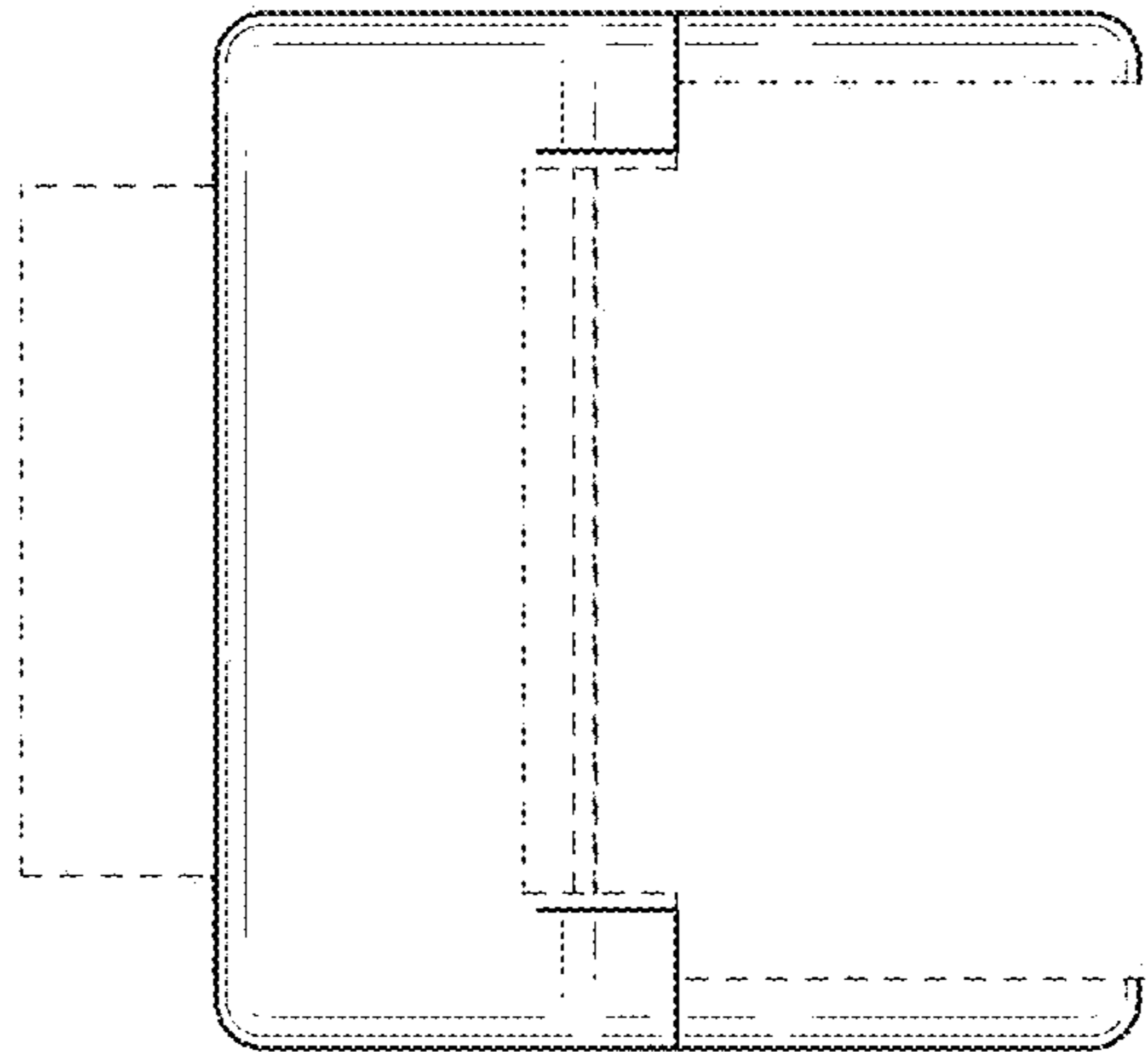




FIG. 15

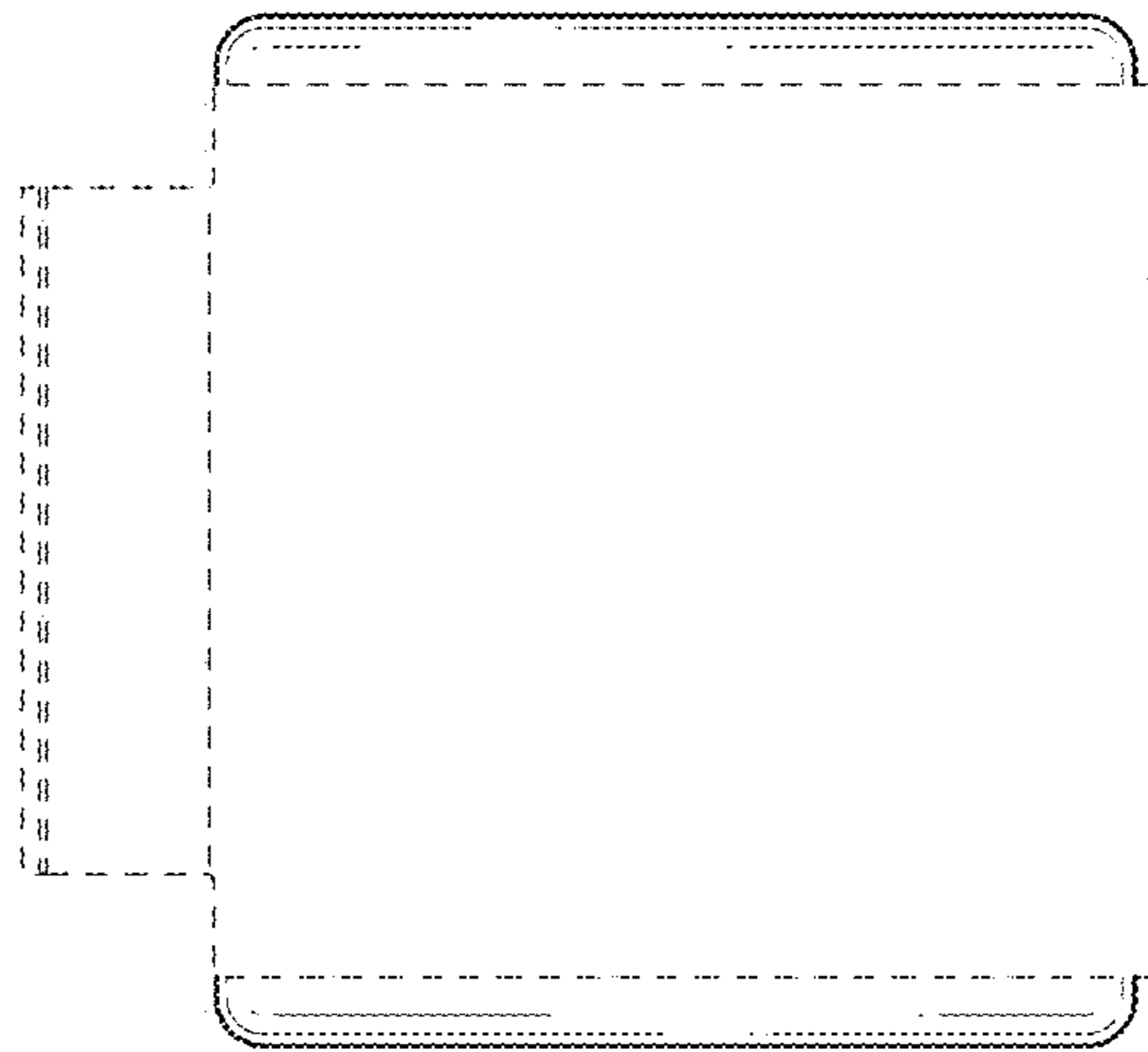


FIG. 16

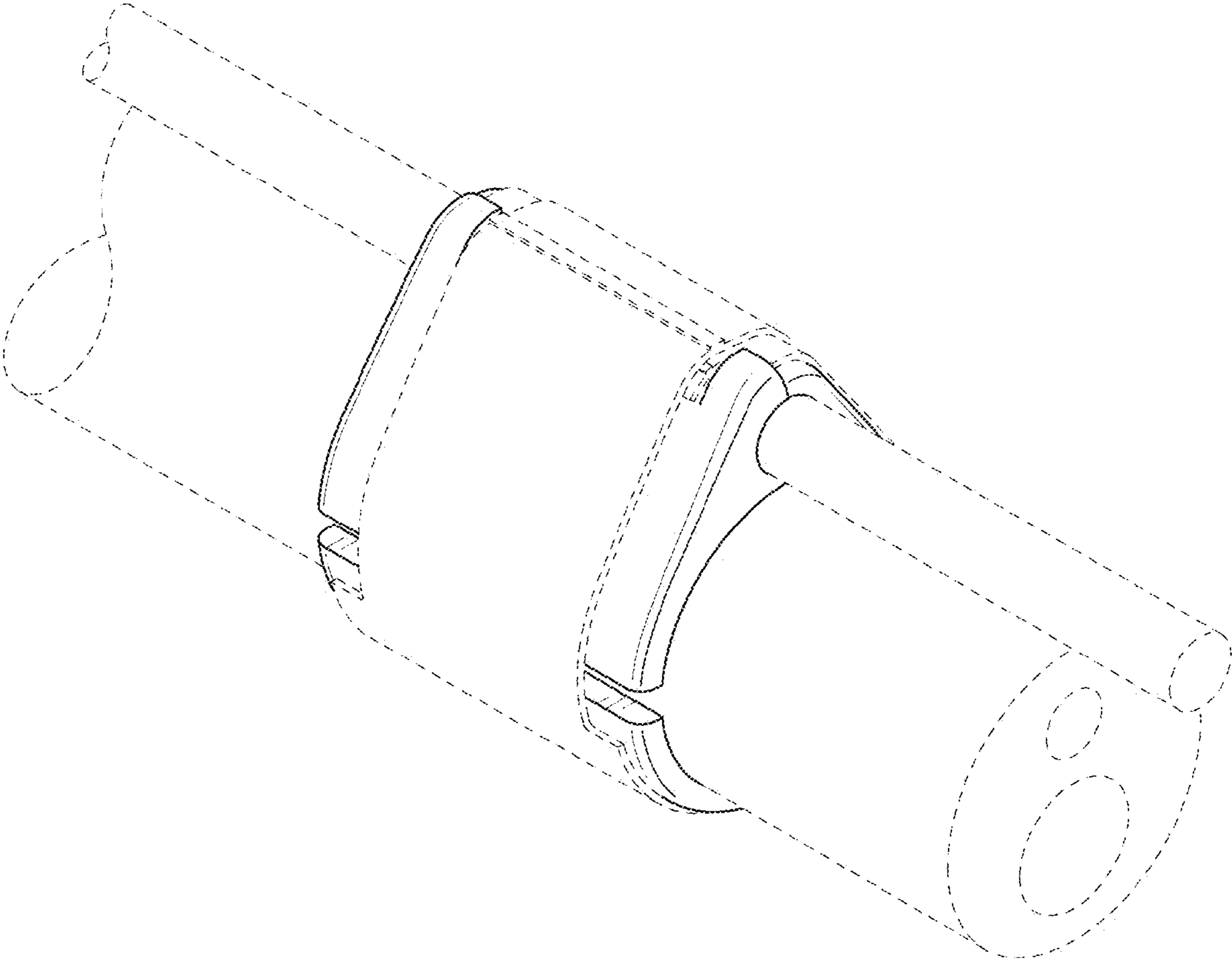


FIG. 17

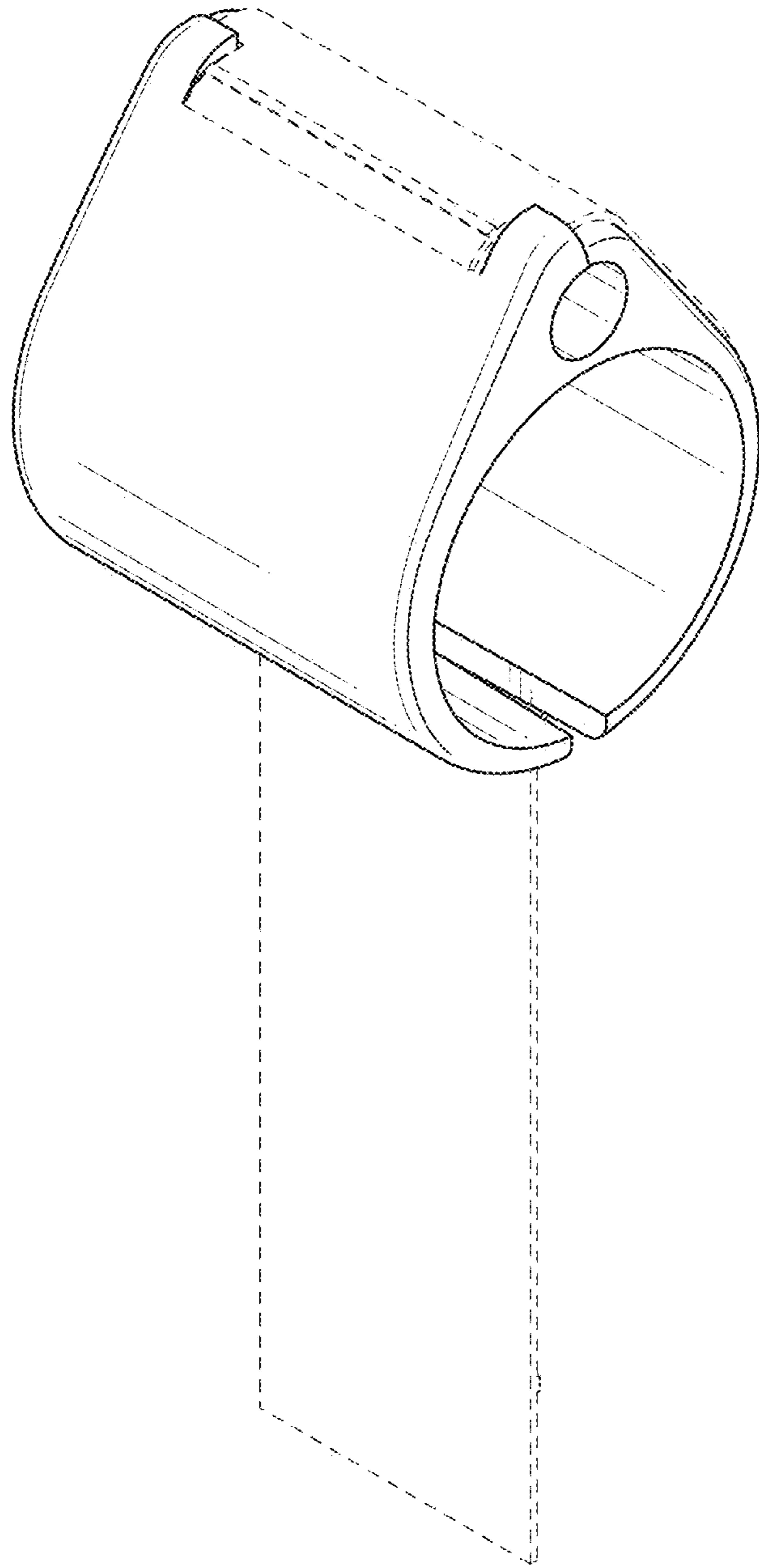


FIG. 18

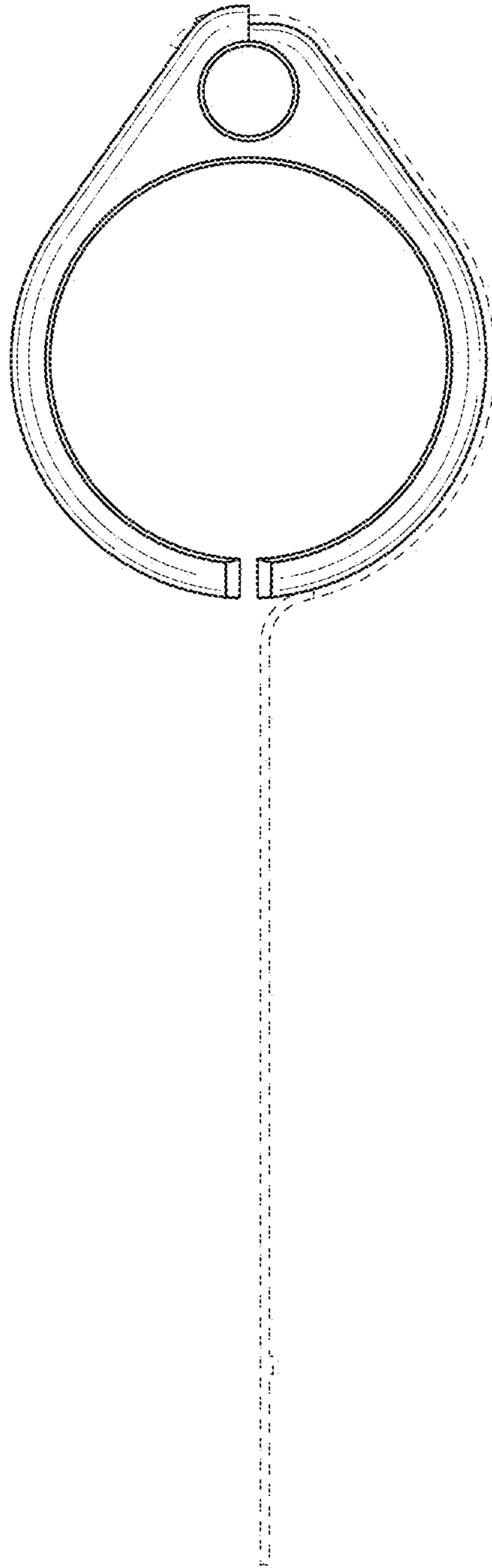


FIG. 19

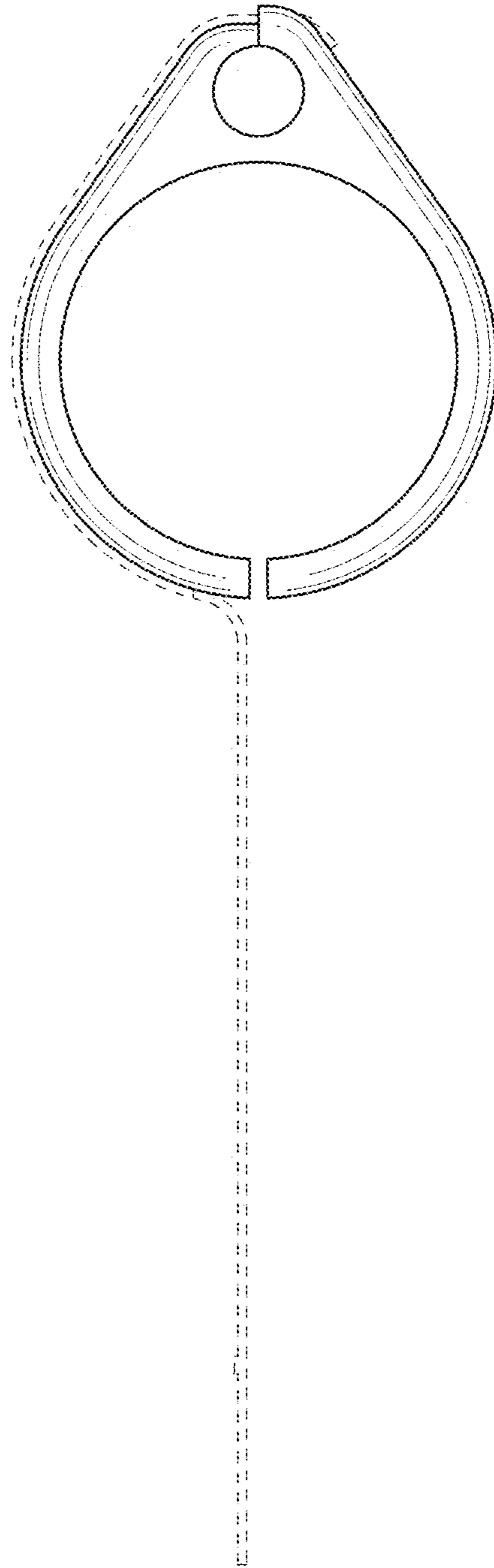


FIG. 20

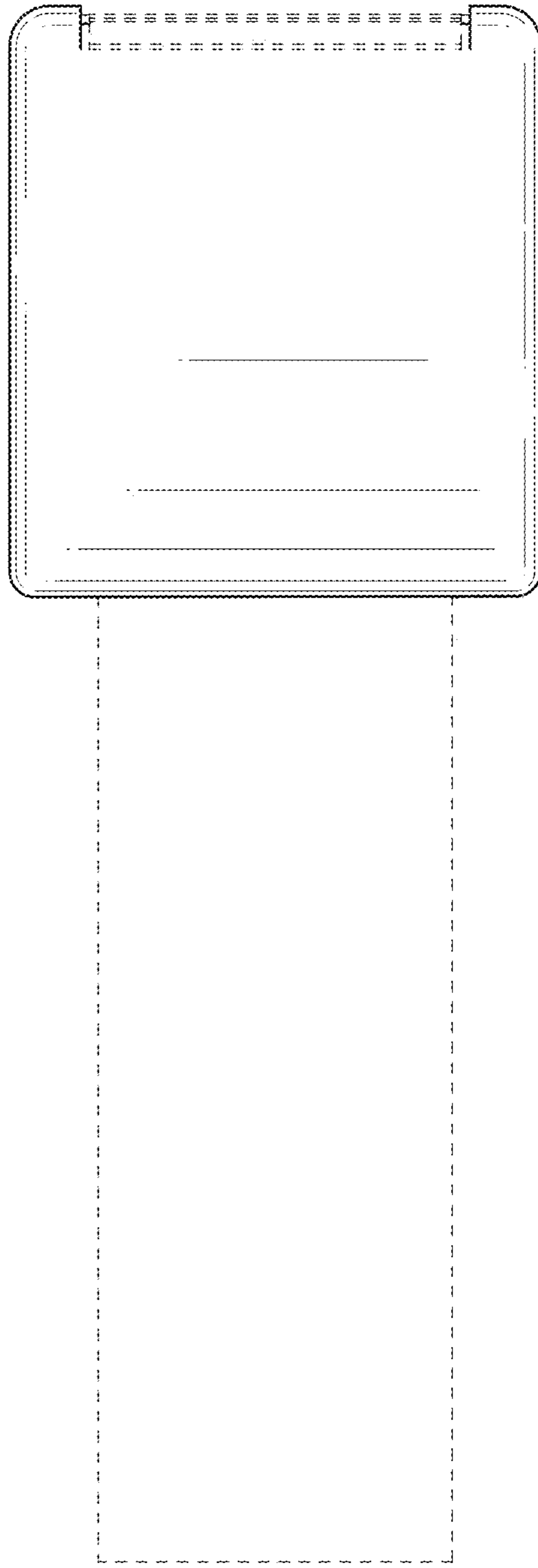


FIG. 21

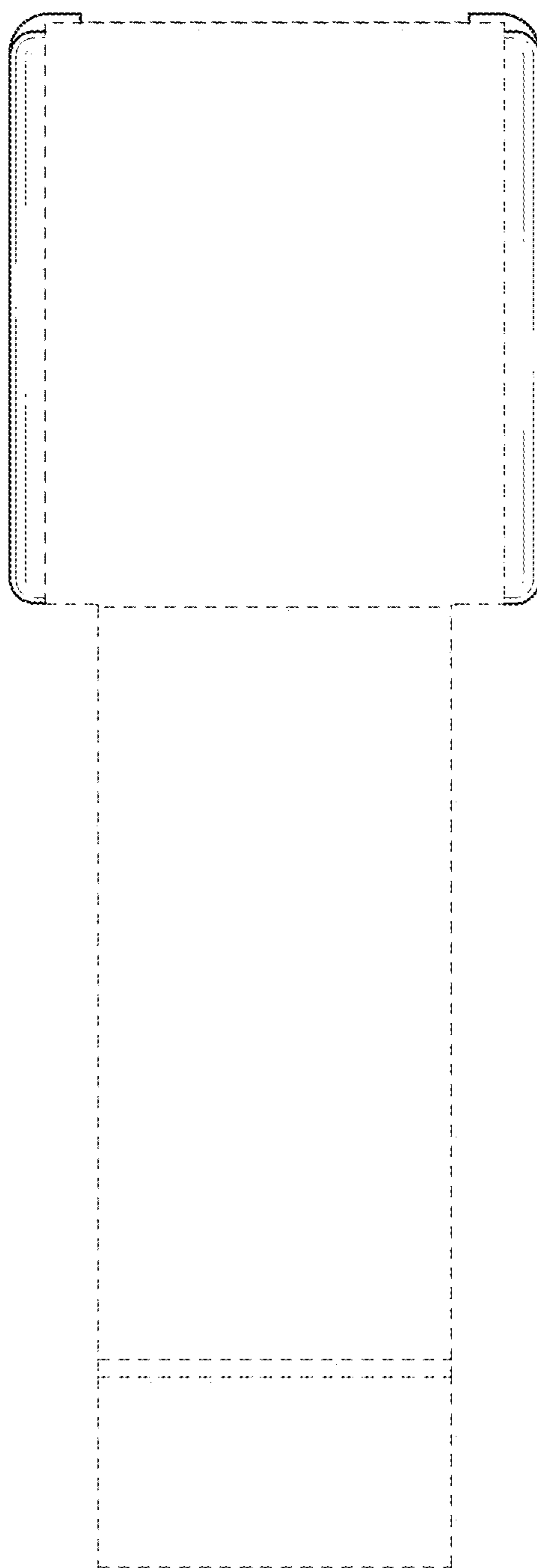


FIG. 22

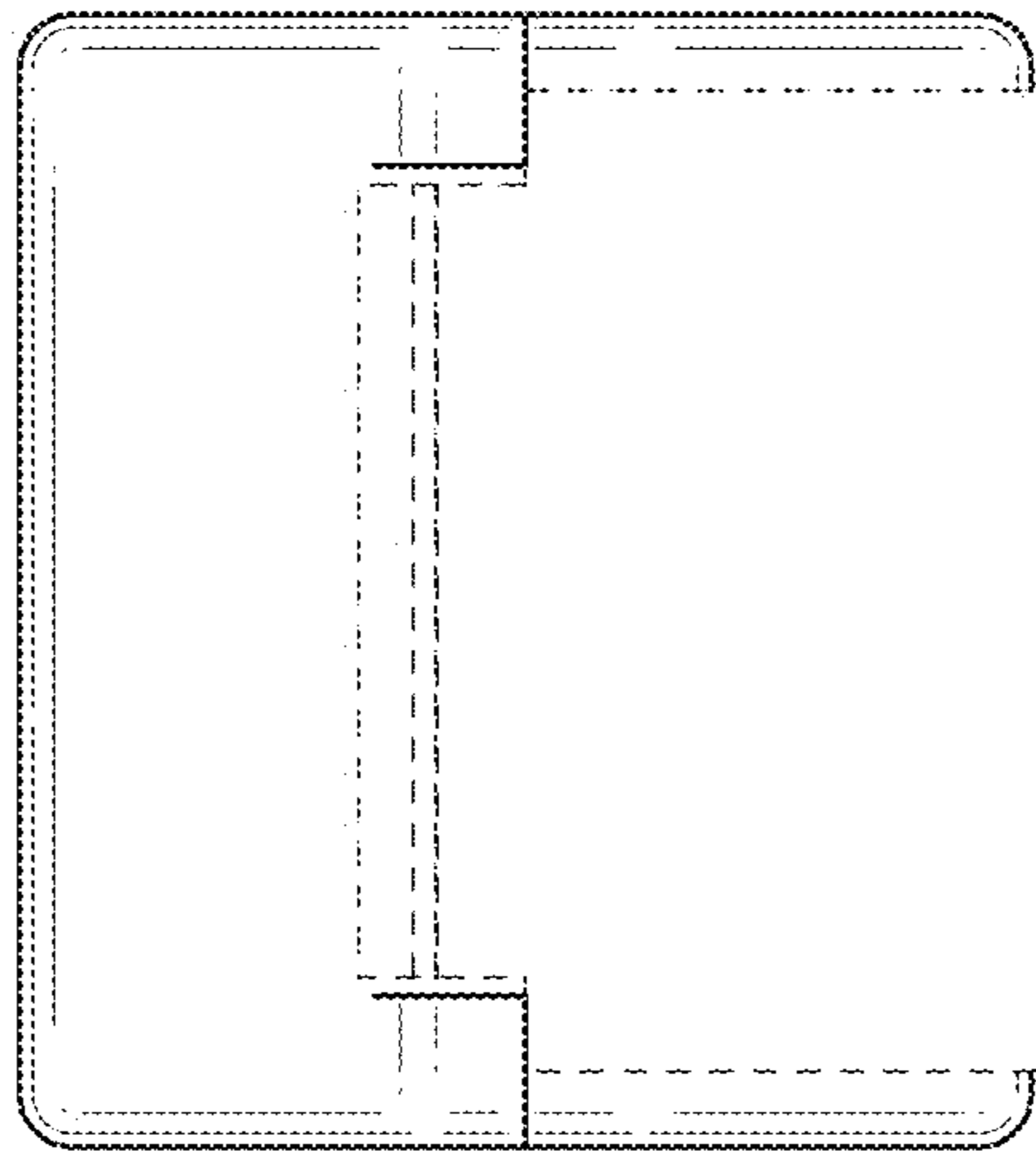




FIG. 23

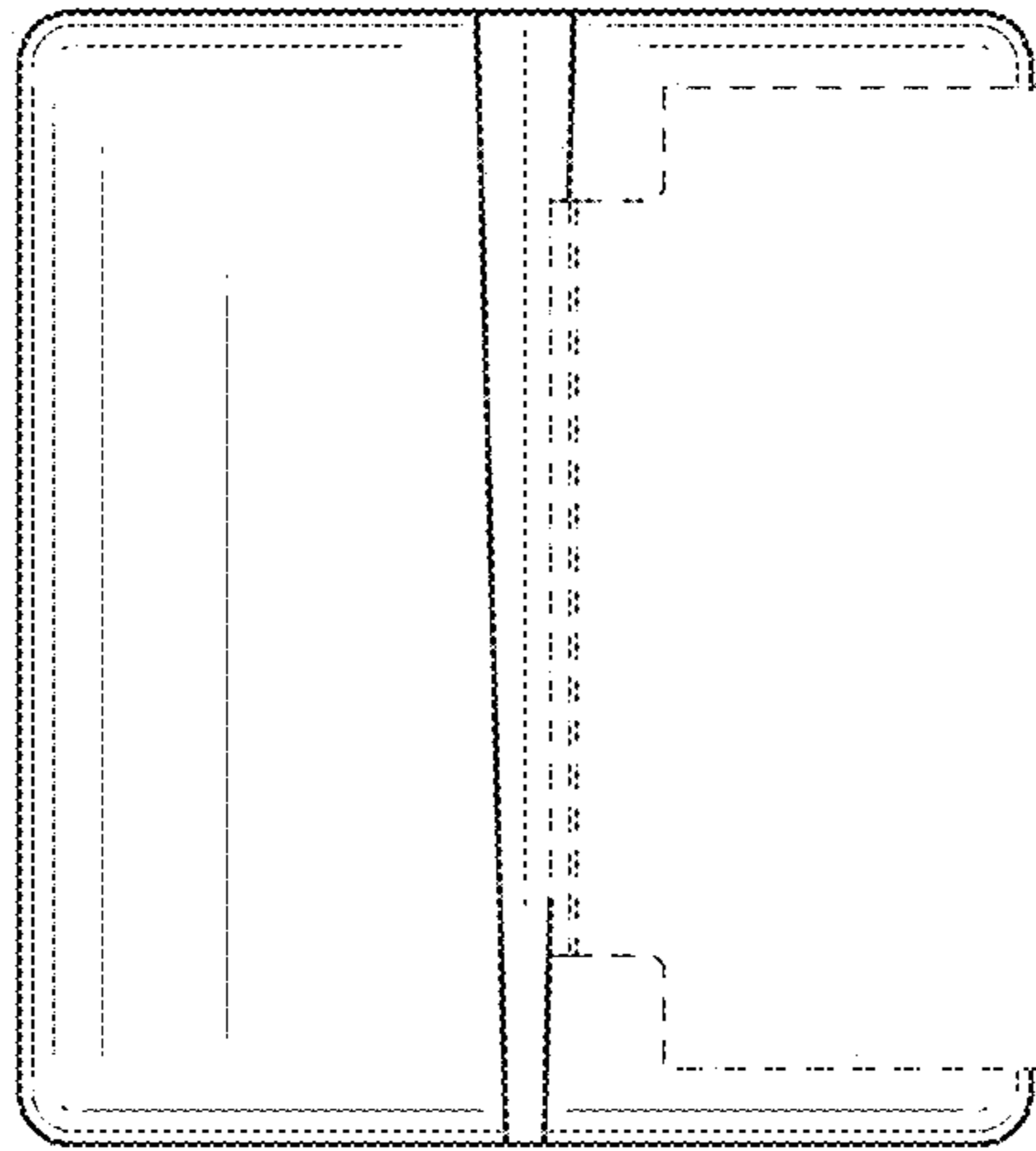


FIG. 24

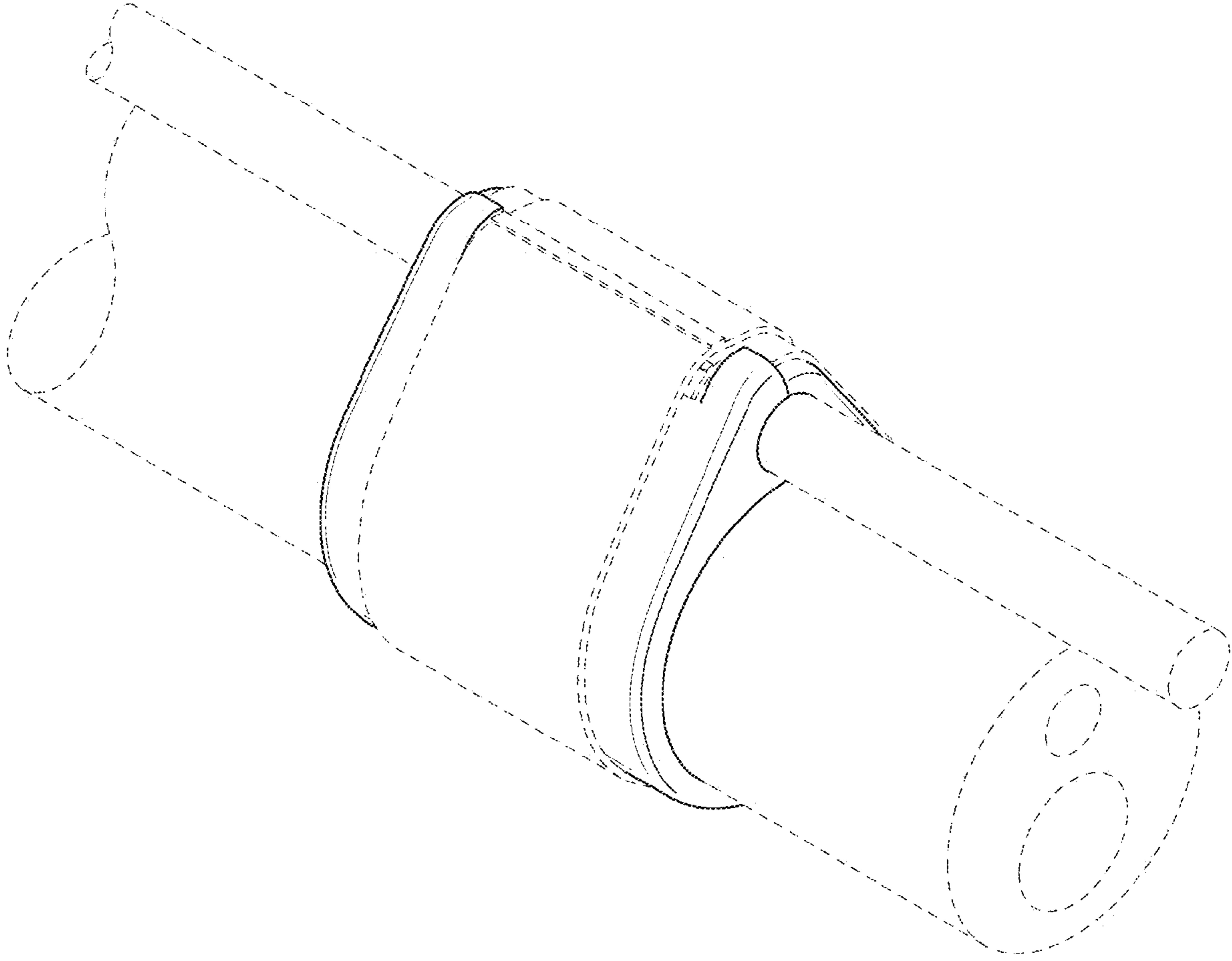


FIG. 25

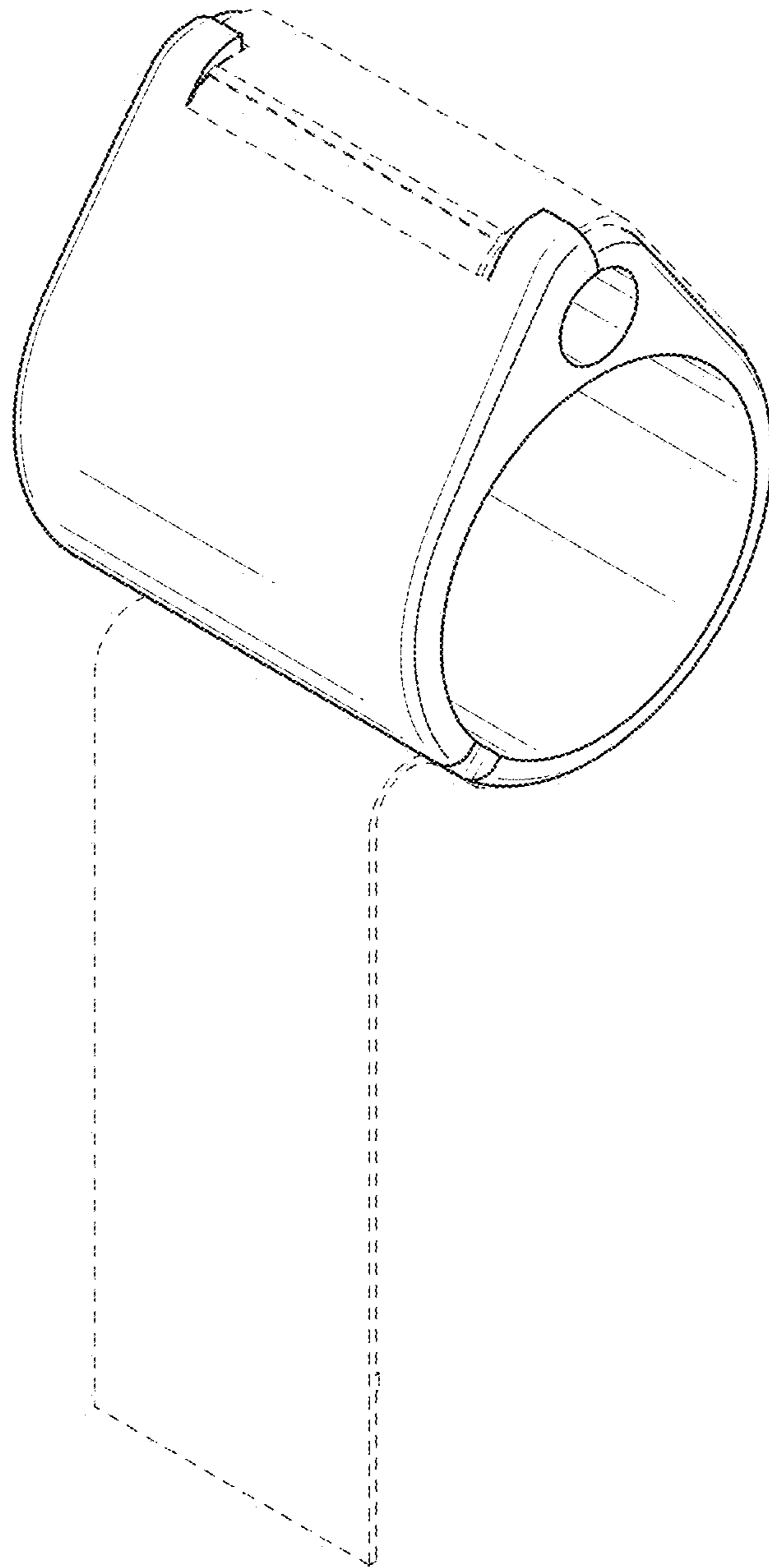


FIG. 26

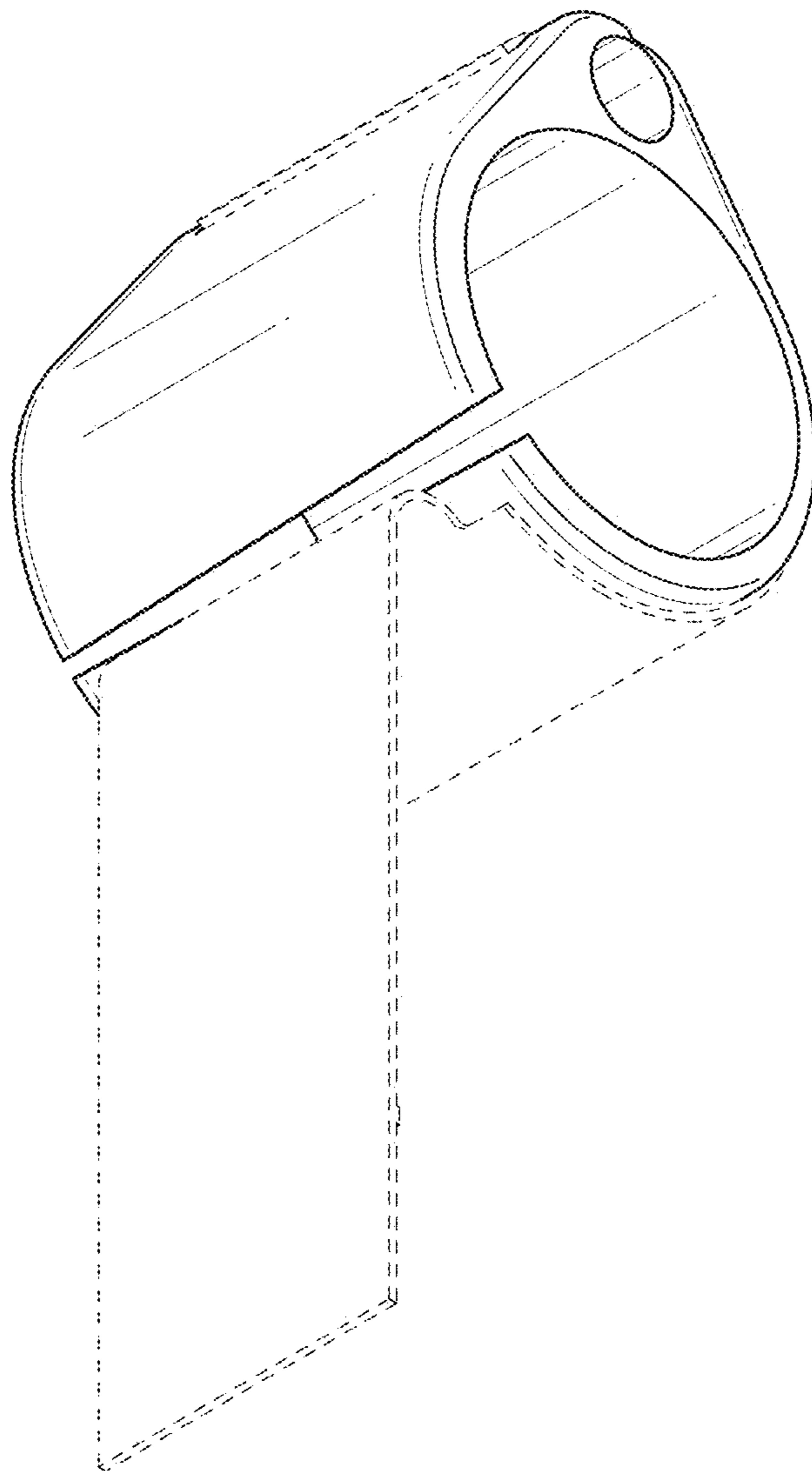


FIG. 27

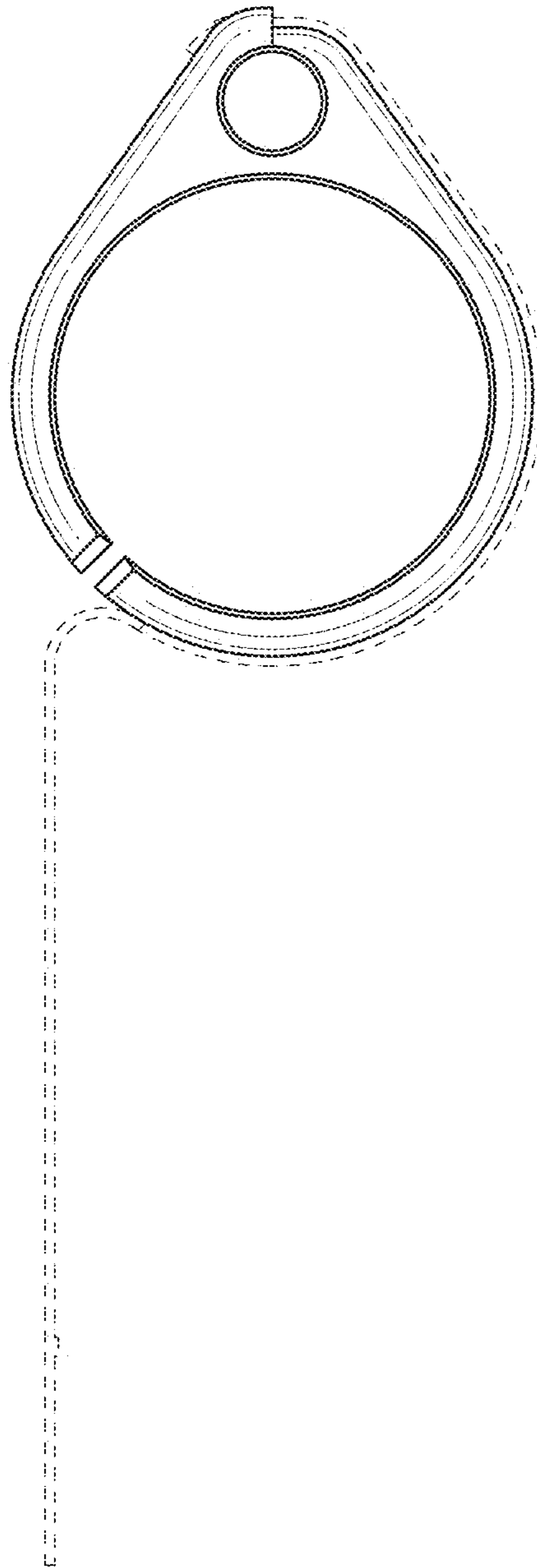


FIG. 28

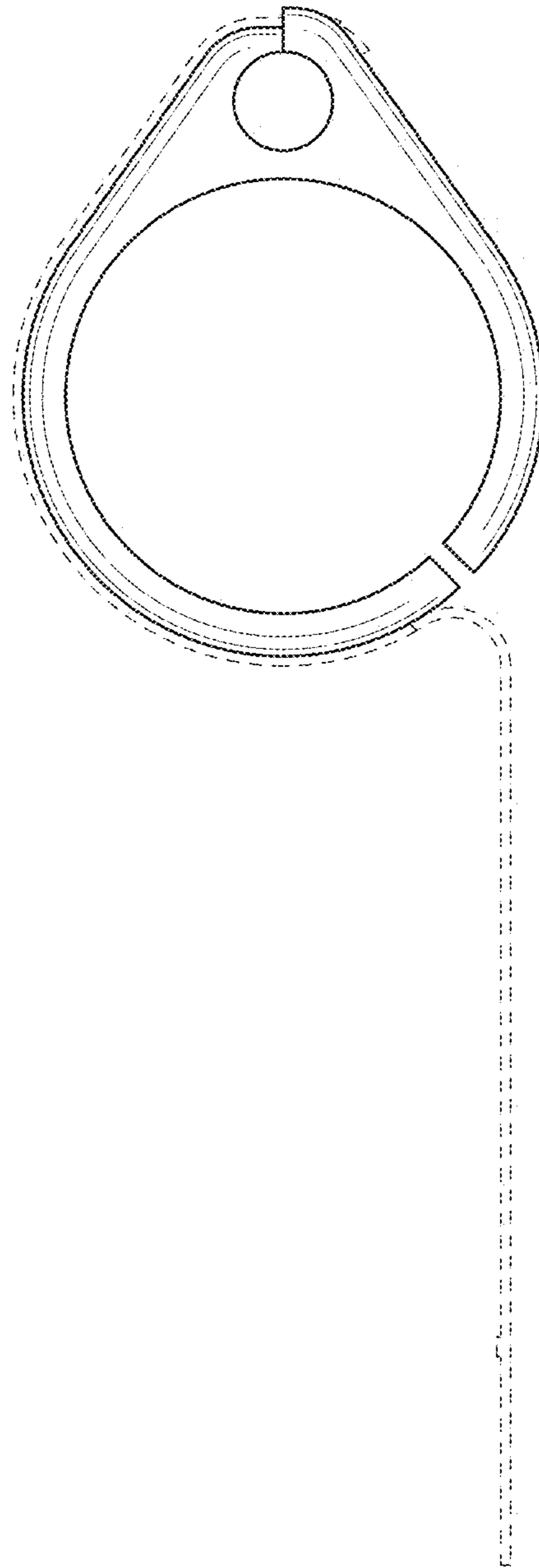


FIG. 29

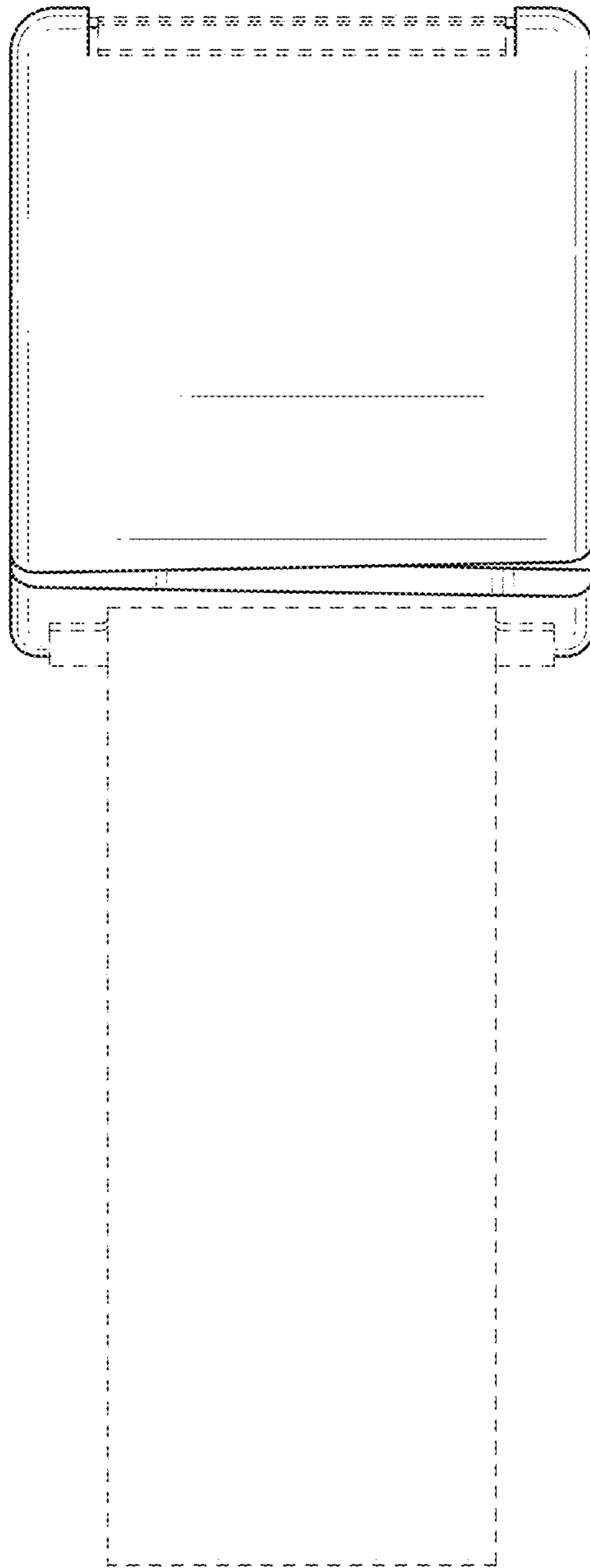


FIG. 30

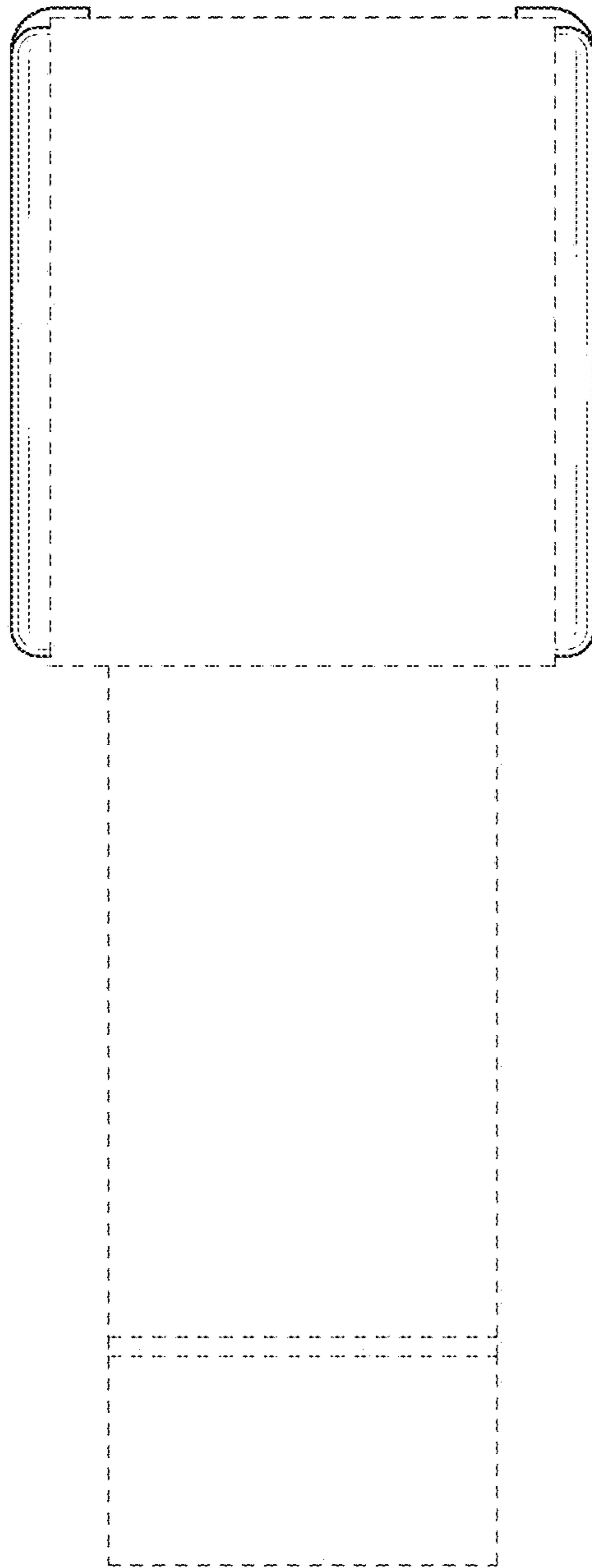




FIG. 31

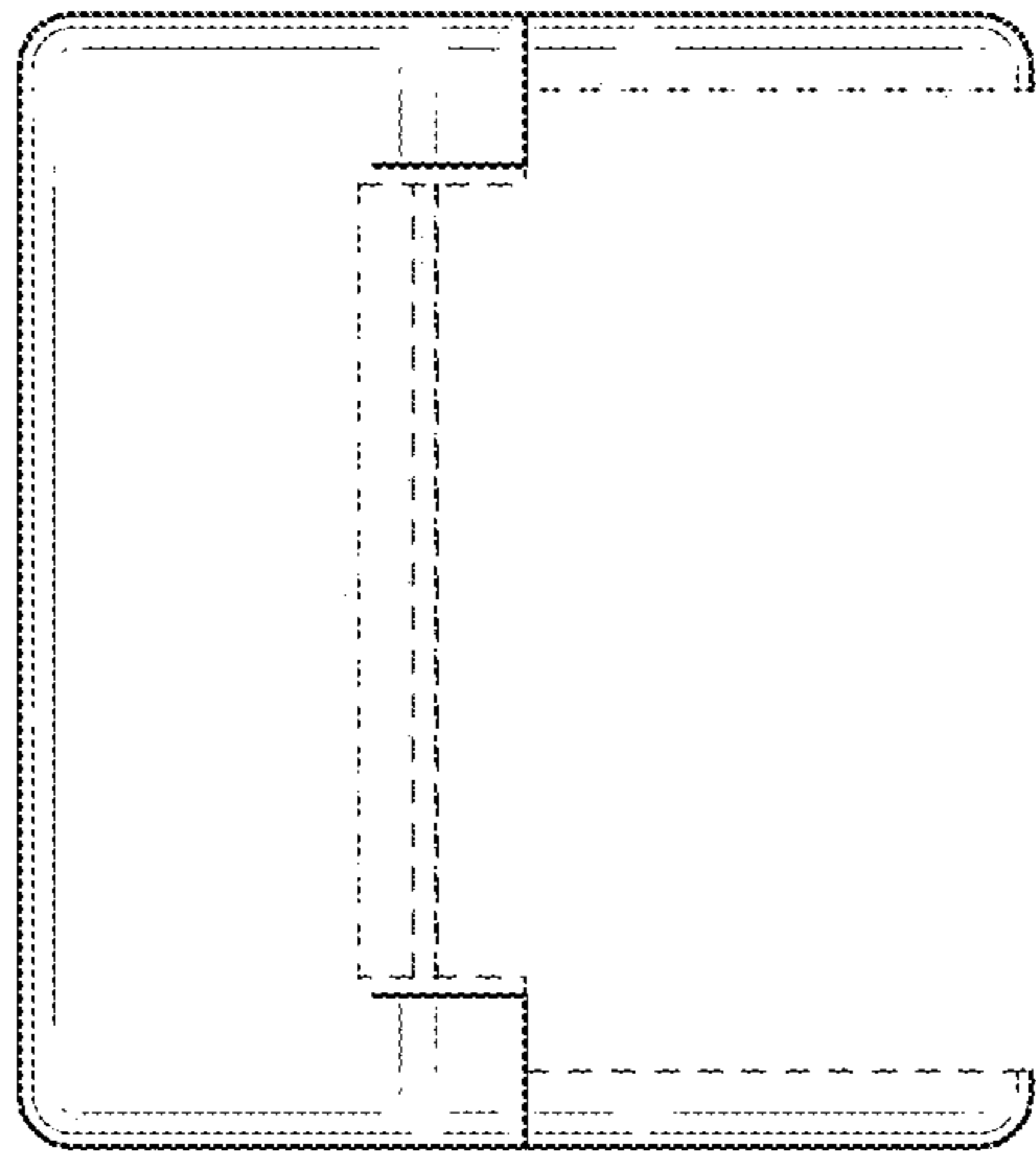


FIG. 32

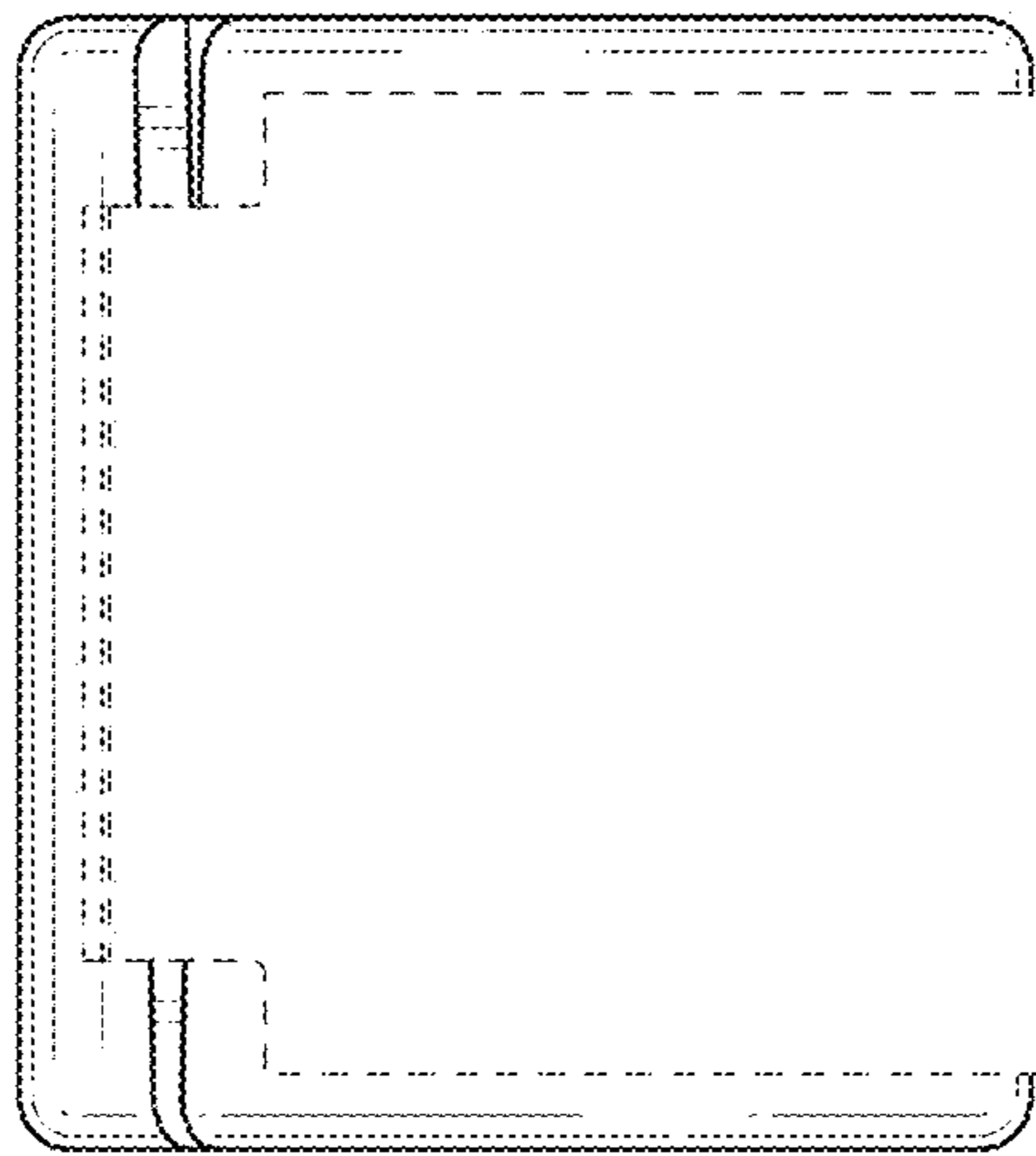


FIG. 33

