



US00D993992S

(12)

United States Design Patent

Ketterhagen et al.

(10)

Patent No.:

US D993,992 S

(45)

Date of Patent:

** Aug. 1, 2023

(54) AIR INTAKE TOWER

FOREIGN PATENT DOCUMENTS

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DE 4205425 A1 5/1993
EP 0433923 A1 9/1993

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(Continued)

(73) Assignee: DEERE & COMPANY, Moline, IL (US)

OTHER PUBLICATIONS

Non-Final Office Action dated Oct. 8, 2020 issued in Utility U.S. Appl. No. 16/654,548, filed Oct. 16, 2019.

(Continued)

(**) Term: 15 Years

Primary Examiner — Mark A Goodwin

(21) Appl. No.: 29/842,870

(74) Attorney, Agent, or Firm — Klintworth & Rozenblat IP LLP

(22) Filed: Jun. 16, 2022

(57) CLAIM

The ornamental design for an air intake tower, as shown and described.

Related U.S. Application Data

DESCRIPTION

(62) Division of application No. 29/709,664, filed on Oct. 16, 2019, now Pat. No. Des. 967,199.

(51) LOC (14) Cl. 15-03

(52) U.S. Cl. USPC D15/28

(58) Field of Classification Search USPC D15/5, 17, 28
CPC F02M 35/10013; F02M 35/164; F02M 35/088; F02M 35/08; F02M 35/1062; F02M 35/10104; F02M 35/16; F02M 35/10; F02M 35/12; F02M 35/10262; B60K 13/02; B60Y 2200/221; Y02T 10/12

See application file for complete search history.

FIG. 1 is a perspective view of an air intake tower according to our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a first side elevational view thereof;
FIG. 5 is a second side elevational view thereof;
FIG. 6 is a first plan view thereof;
FIG. 7 is a second plan view thereof;
FIG. 8 is a perspective view of another embodiment of an air intake tower according to our new design;
FIG. 9 is a front elevational view thereof;
FIG. 10 is a rear elevational view thereof;
FIG. 11 is a first side elevational view thereof;
FIG. 12 is a second side elevational view thereof;
FIG. 13 is a first plan view thereof; and,
FIG. 14 is a second plan view thereof.

The dash lines depict environment subject matter that forms no part of the claimed design. The dot-dash lines depict unclaimed boundary lines.

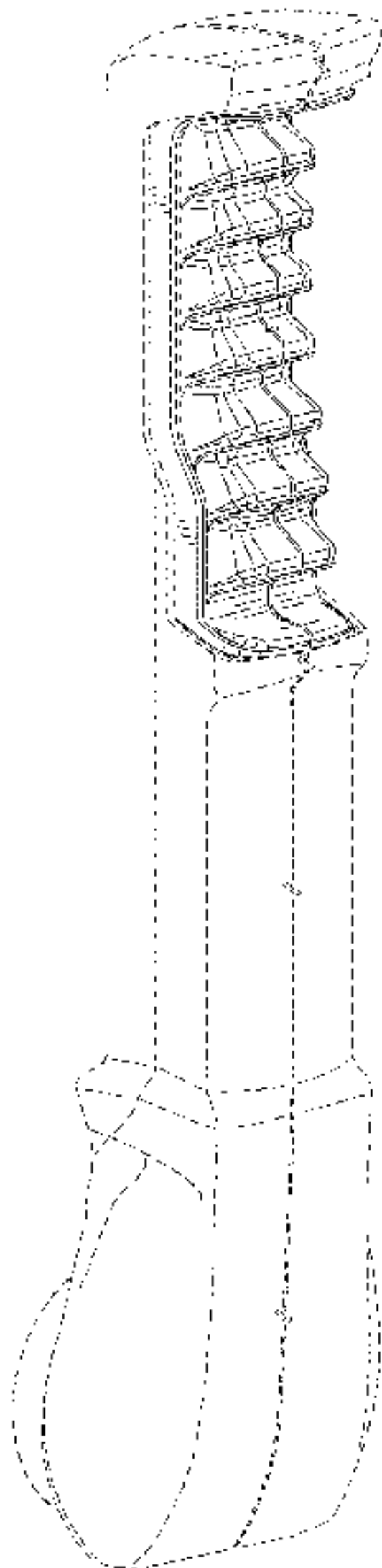
(56) References Cited

U.S. PATENT DOCUMENTS

3,818,667 A 6/1974 Wagner
4,366,878 A 1/1983 Warf
7,740,530 B2 6/2010 Astourian
D627,369 S 11/2010 Troxell

(Continued)

1 Claim, 10 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D636,788 S 4/2011 Luxon et al.
D637,205 S 5/2011 Luxon et al.
7,958,966 B2 6/2011 Smith
D641,377 S 7/2011 Luxon et al.
D642,199 S 7/2011 Luxon et al.
D649,162 S 11/2011 Luxon et al.
D670,743 S 11/2012 Ewringmann
D687,075 S 7/2013 Richard et al.
D698,831 S 2/2014 Adamson et al.
D722,330 S 2/2015 Boeshans et al.
D723,591 S 3/2015 Boeshans et al.
D724,108 S 3/2015 Boeshans et al.
9,151,253 B2 10/2015 Bunnell et al.
10,060,395 B2 8/2018 Somerville
D877,206 S 3/2020 Jackson et al.
D896,277 S 9/2020 Bennett et al.
D905,117 S 12/2020 Bennett et al.
11,181,081 B2 11/2021 Ketterhagen et al.
D966,343 S * 10/2022 Ketterhagen D15/28
D967,199 S * 10/2022 Ketterhagen D15/28
2011/0048368 A1 3/2011 Nelson et al.
2011/0192153 A1 8/2011 Schmidt
2011/0214403 A1 9/2011 Geiss et al.

2011/0214419 A1 9/2011 Castner et al.
2011/0252756 A1 10/2011 Geiss et al.
2011/0283687 A1 11/2011 Dobler et al.
2012/0211293 A1 8/2012 Leanza et al.
2013/0025557 A1 1/2013 Chlystek et al.
2013/0319242 A1 12/2013 Cruz Aguado
2014/0150384 A1 6/2014 Bunnell et al.
2016/0010604 A1 1/2016 Zeilenga et al.
2017/0100689 A1 4/2017 Loken et al.
2019/0055907 A1 2/2019 Tsuruta et al.
2021/0115884 A1 4/2021 Ketterhagen et al.

FOREIGN PATENT DOCUMENTS

WO 2011094334 A1 8/2011
WO 2017086261 A1 5/2017
WO 2017183269 A1 10/2017

OTHER PUBLICATIONS

Final Office Action dated Apr. 7, 2021 issued in Utility U.S. Appl. No. 16/654,548, filed Oct. 16, 2019.
Design U.S. Appl. No. 29/709,663, filed Oct. 16, 2019.

* cited by examiner

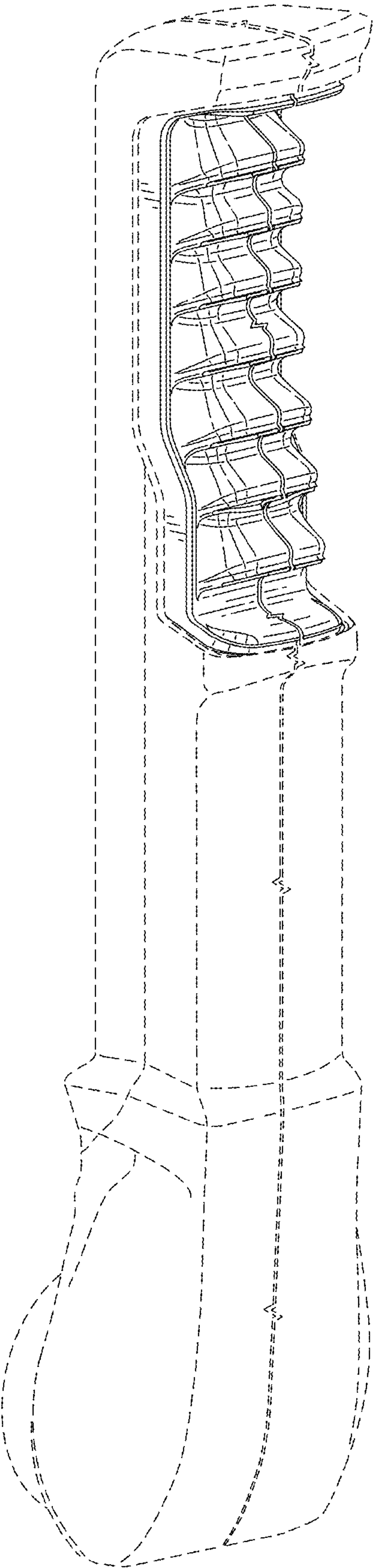


FIG. 1

FIG. 2

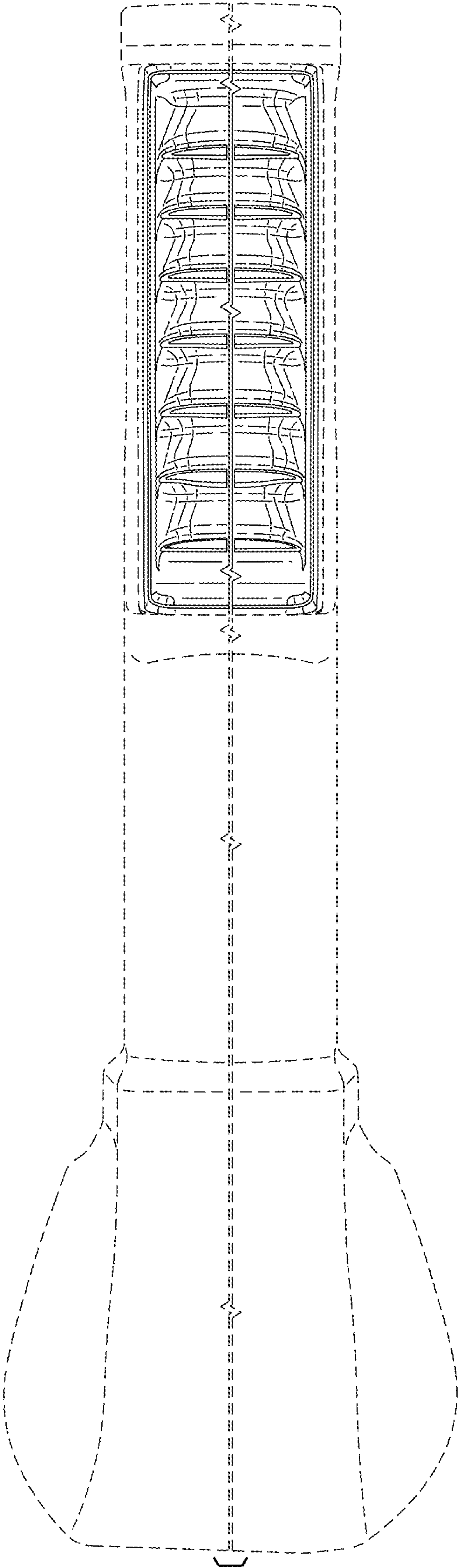
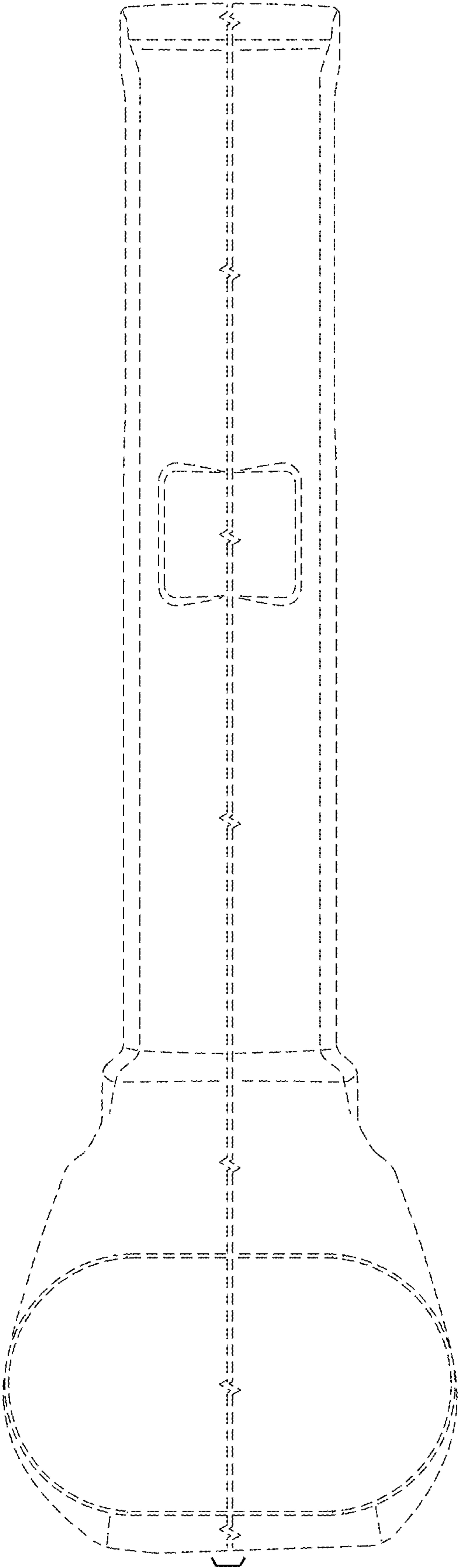


FIG. 3



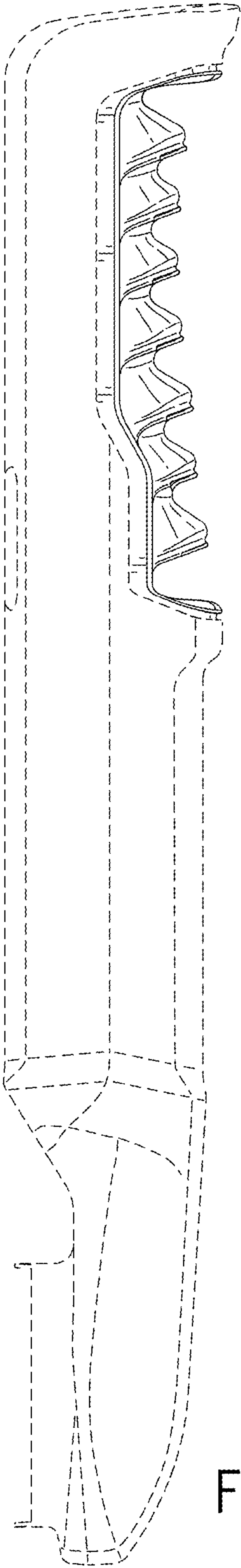


FIG. 4

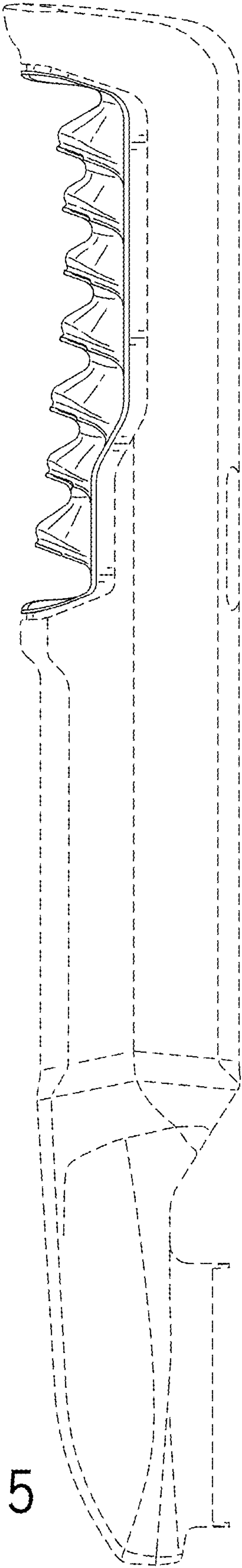


FIG. 5

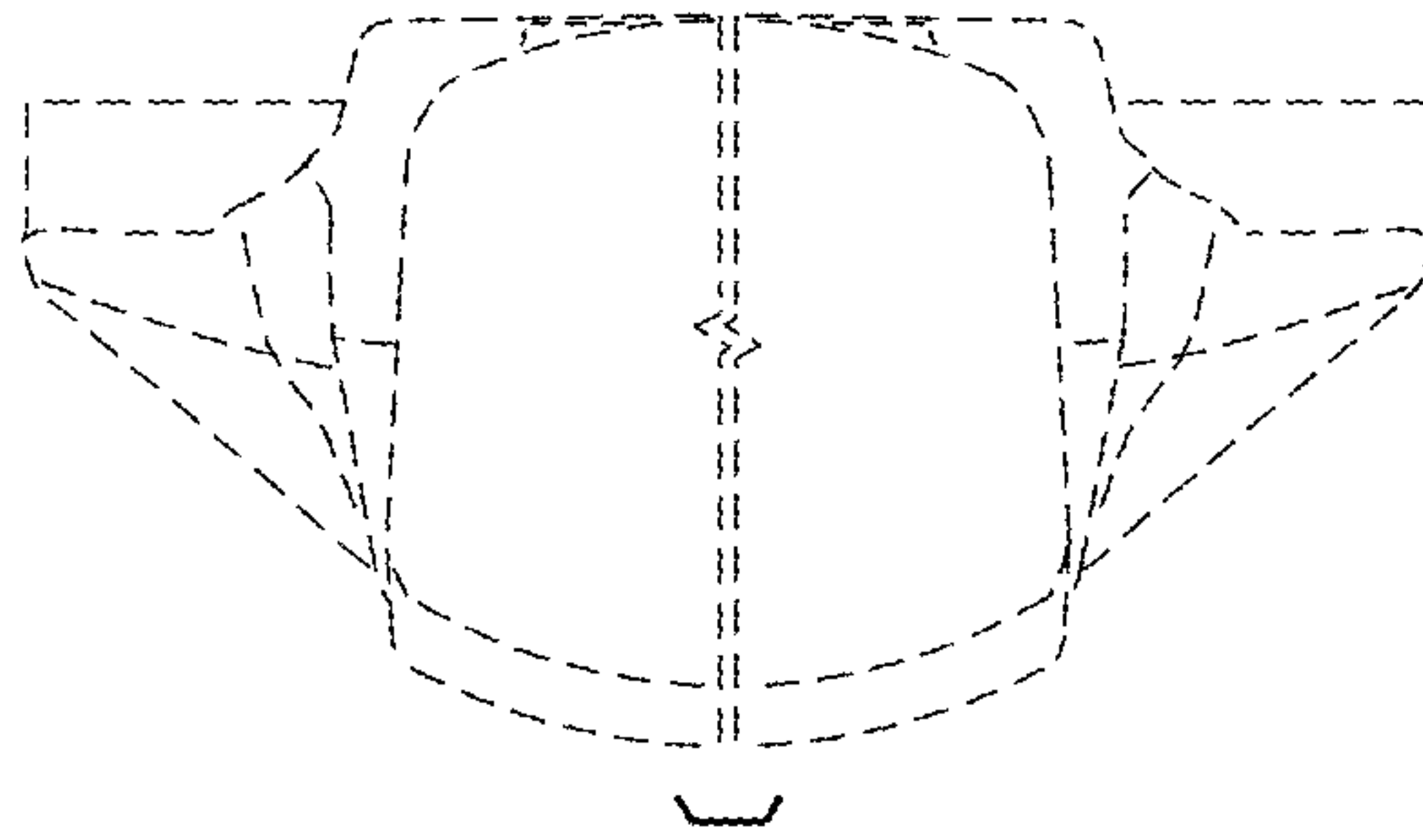


FIG. 6

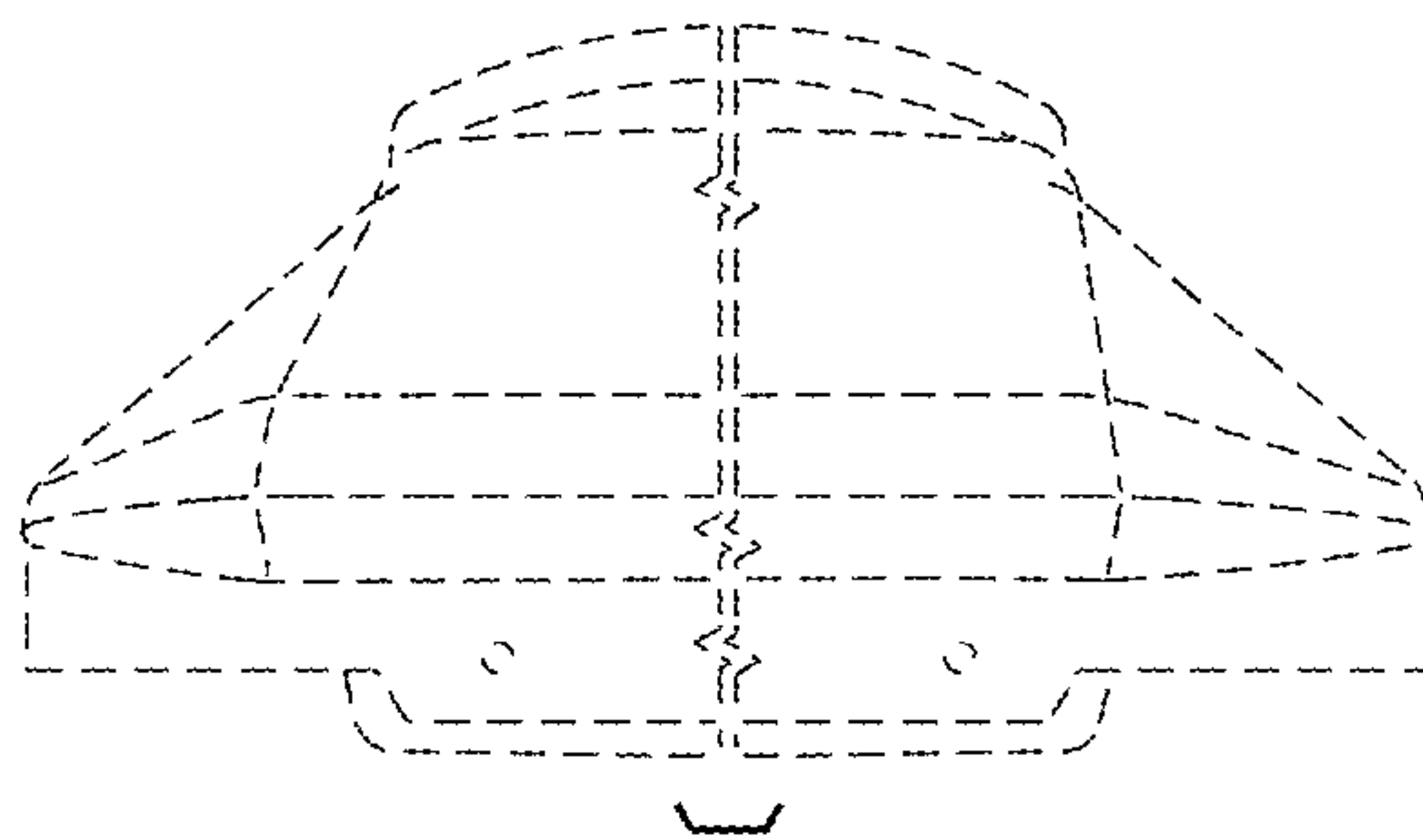


FIG. 7

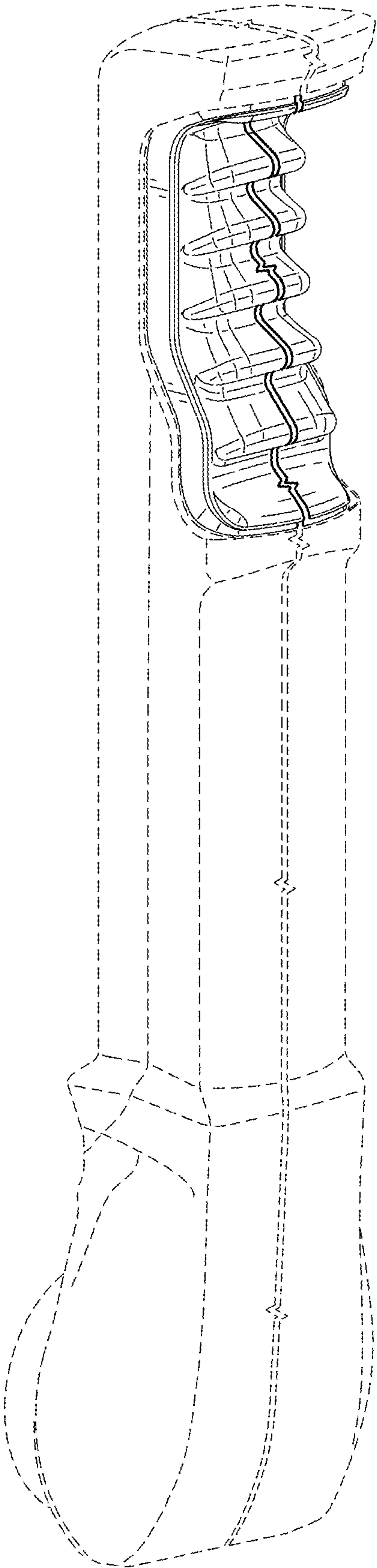


FIG. 8

FIG. 9

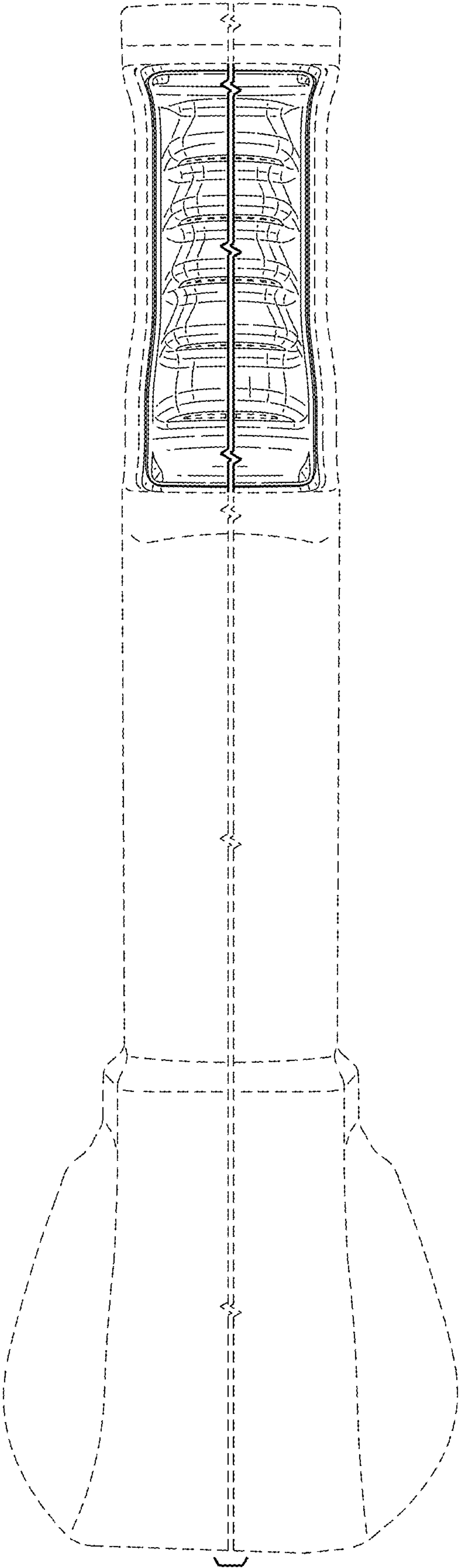
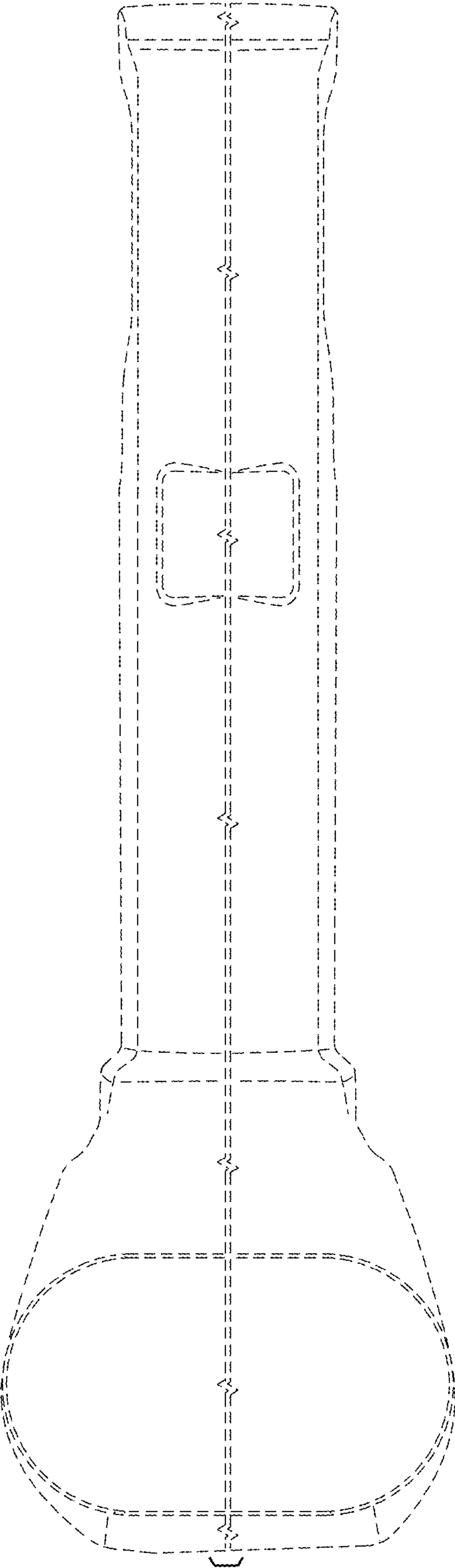


FIG. 10



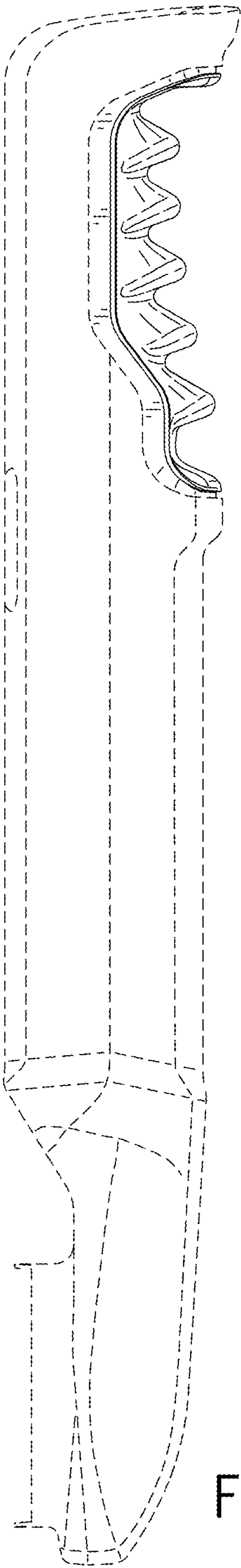


FIG. 11

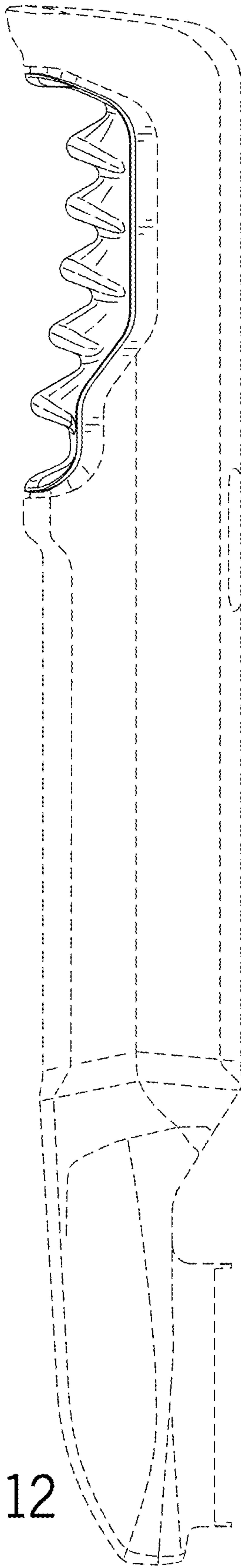


FIG. 12

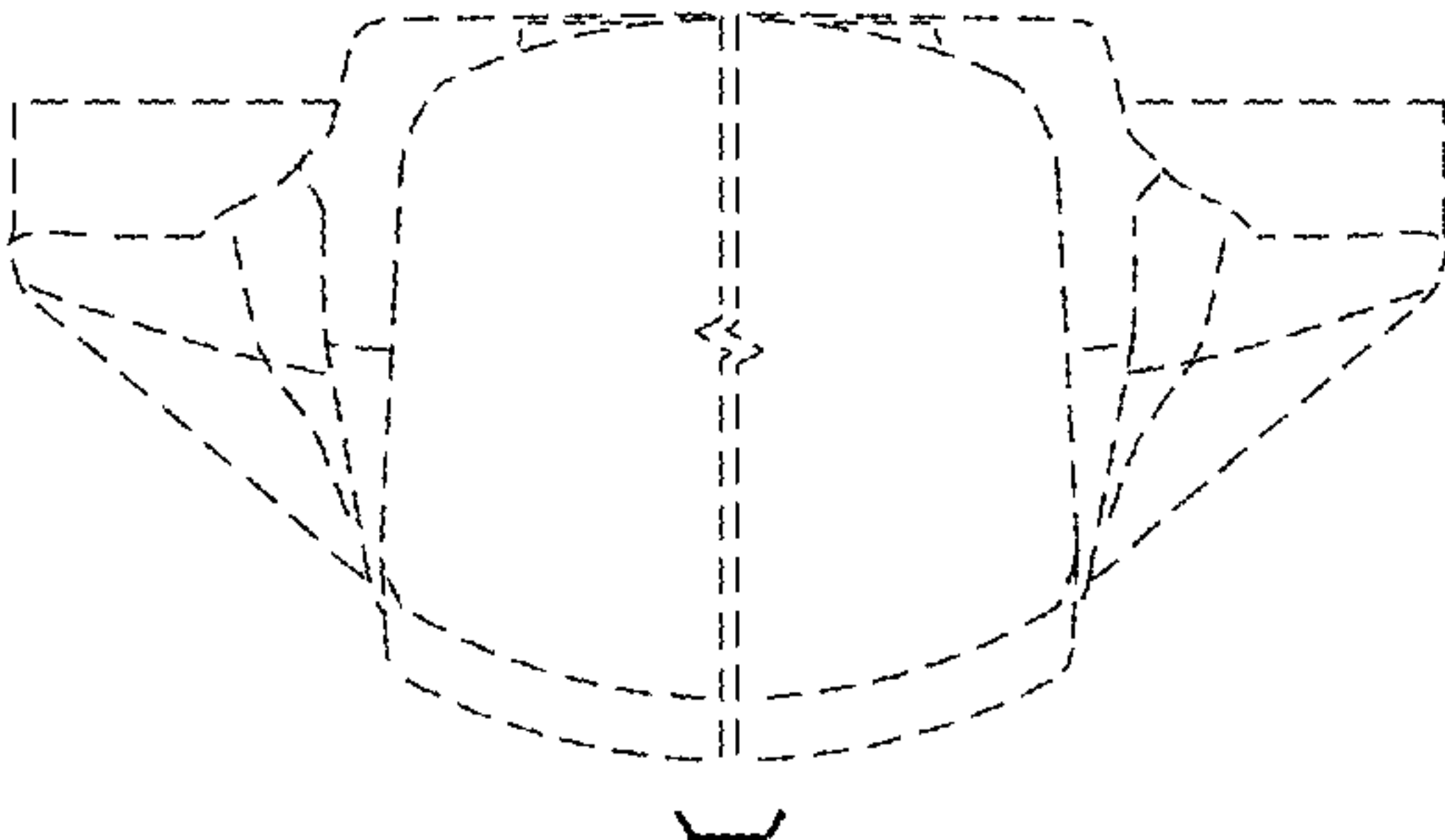


FIG. 13

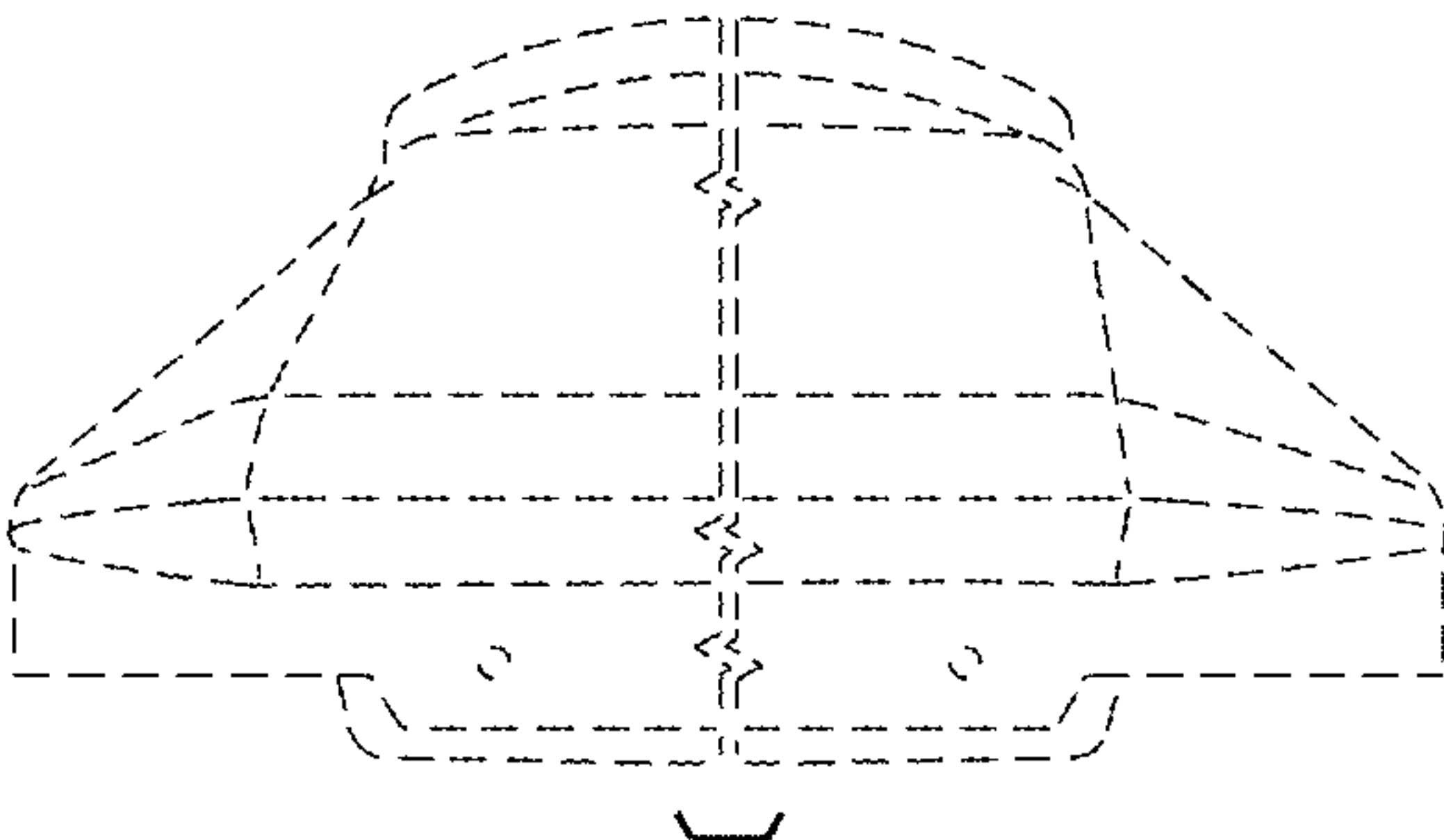


FIG. 14