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(12) **United States Design Patent**
Bhagyanathan Sathianathan et al.

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(54) **CONNECTOR TERMINAL**

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(73) Assignee: **Molex, LLC**, Lisle, IL (US)

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

(21) Appl. No.: **29/635,367**

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(51) **LOC (11) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/154**

(58) **Field of Classification Search**
USPC D13/133, 154, 147, 184, 199
CPC H01R 9/09; H01R 9/091; H01R 9/098;
H01R 9/22; H01R 9/24; H01R 9/2408;
H01R 9/2691; H01R 9/28; H01R 4/18;
H01R 13/02; H01R 13/15; H01R 13/20;
H01R 13/213; H01R 13/24; H01R
13/2428; H01R 13/2442; H01R 13/26;
H01R 13/33; H01R 13/42; H01R
13/4223; H01R 13/426; H01R 13/432;
H01R 13/506; H01R 13/58; H01R 13/64
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 3,363,224 A * 1/1968 Gluntz H01R 13/11
439/852
- D553,080 S * 10/2007 Sakamaki D13/133
- D556,136 S * 11/2007 Shiga D13/133
- 7,594,832 B2 * 9/2009 Oka H01R 13/03
439/884
- D621,368 S * 8/2010 Lee D13/154

- 7,976,351 B2 7/2011 Boemmel et al.
- 7,976,353 B2 * 7/2011 Myer H01R 13/04
439/891
- D762,587 S * 8/2016 Ebisawa D13/154
(Continued)

OTHER PUBLICATIONS

Molex LLC, MQS Interconnection for the Automotive Industry, Catalogue, 2012, p. 1, 25-44, 324, TE Connectivity, Germany.
(Continued)

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(57) **CLAIM**

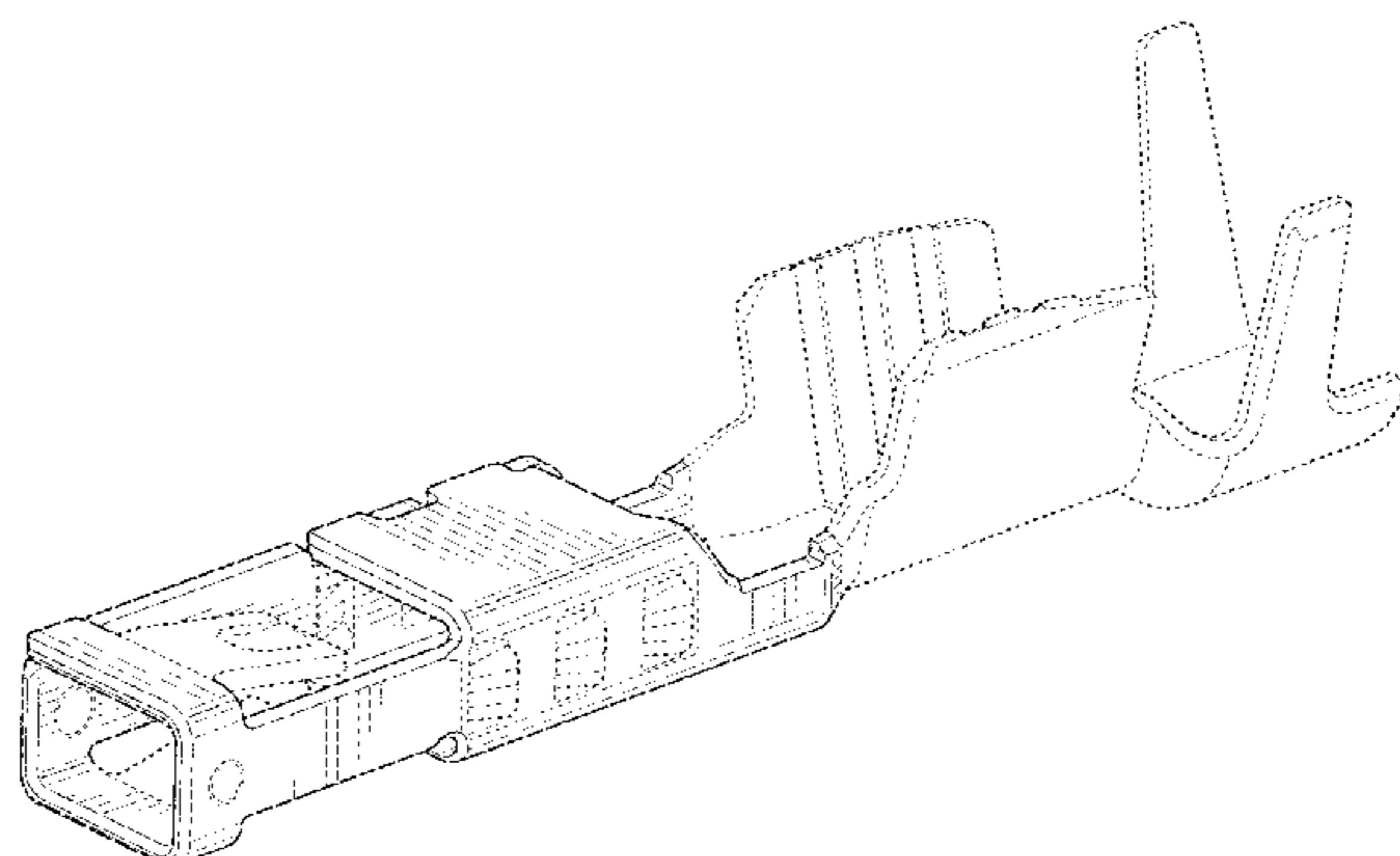
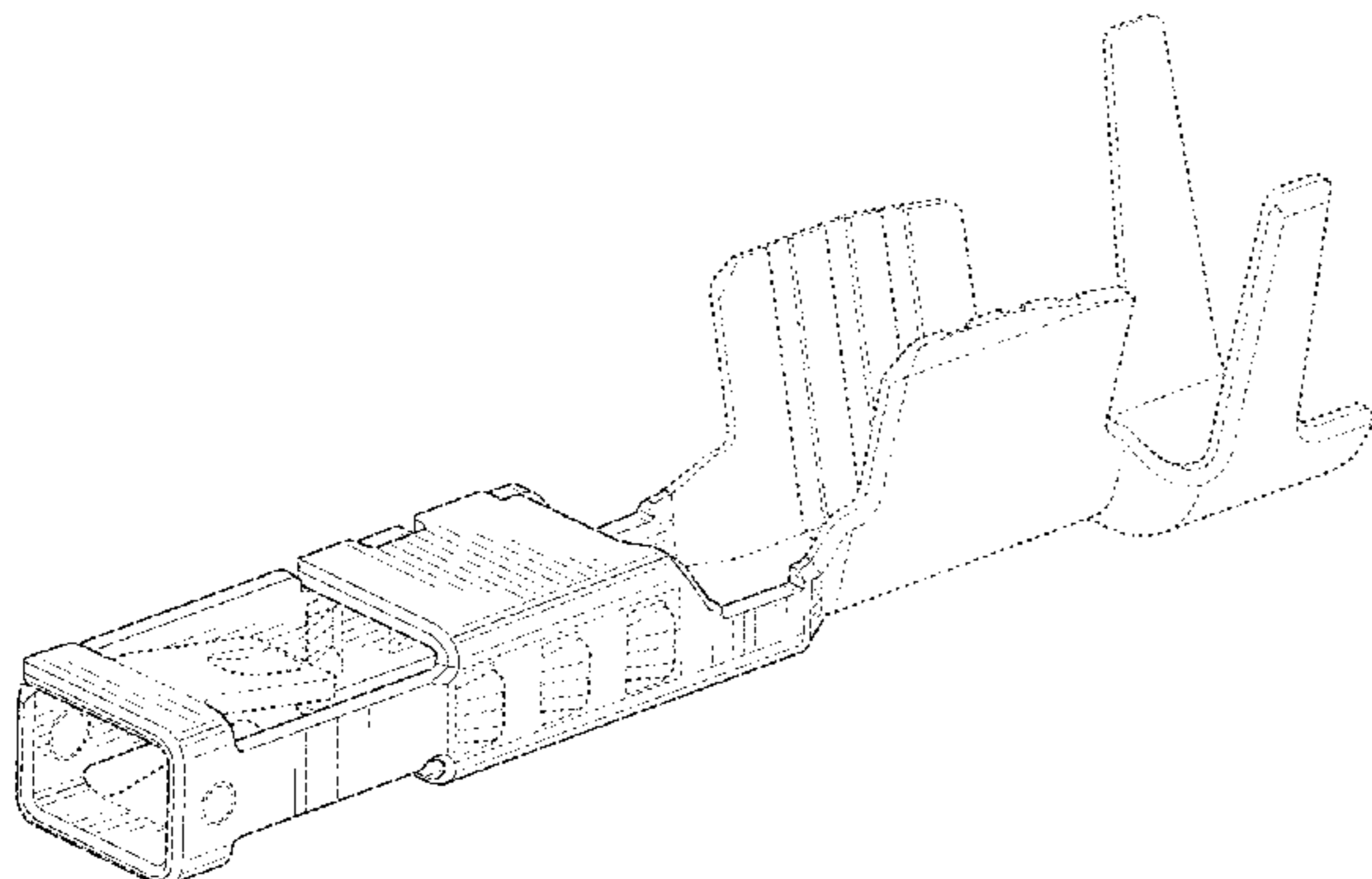
The ornamental design for a connector terminal, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a first embodiment of a connector terminal showing our new design;
 FIG. 2 is a right side view thereof;
 FIG. 3 is a left side view thereof;
 FIG. 4 is a front view thereof;
 FIG. 5 is a rear view thereof;
 FIG. 6 is a top view thereof;
 FIG. 7 is a bottom view thereof;
 FIG. 8 is a rear perspective view thereof;
 FIG. 9 is a front perspective view of a second embodiment of a connector terminal showing our new design;
 FIG. 10 is a right side view thereof;
 FIG. 11 is a left side view thereof;
 FIG. 12 is a front view thereof;
 FIG. 13 is a rear view thereof;
 FIG. 14 is a top view thereof;
 FIG. 15 is a bottom view thereof; and,
 FIG. 16 is a rear perspective view thereof.

The broken lines showing the remainder of the connector terminal are for environmental purposes only and form no part of the claimed design.

1 Claim, 16 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D781,239 S * 3/2017 Ikeda D13/154
D827,576 S * 9/2018 Sugizaki D13/133
2016/0344115 A1* 11/2016 Miyakawa H01R 4/70
2017/0040728 A1* 2/2017 Saito H01R 13/11

OTHER PUBLICATIONS

Molex LLC, MCON Tab and Receptacle Contacts, Catalogue, 2016,
p. 1-13, 15-38, TE Automotive.

Molex LLC, MCON Interconnection System MCON 0.50mm Con-
tact System, Catalogue, 2014, p. 2, TE Automotive.

Molex LLC, MCON Interconnection System MCON 9.5mm Con-
tact System, Catalogue, 2014, p. 12, TE Automotive.

Molex LLC, MCON Interconnection System MCON 8mm Contact
System, Catalogue, 2014, p. 11, TE Automotive.

* cited by examiner

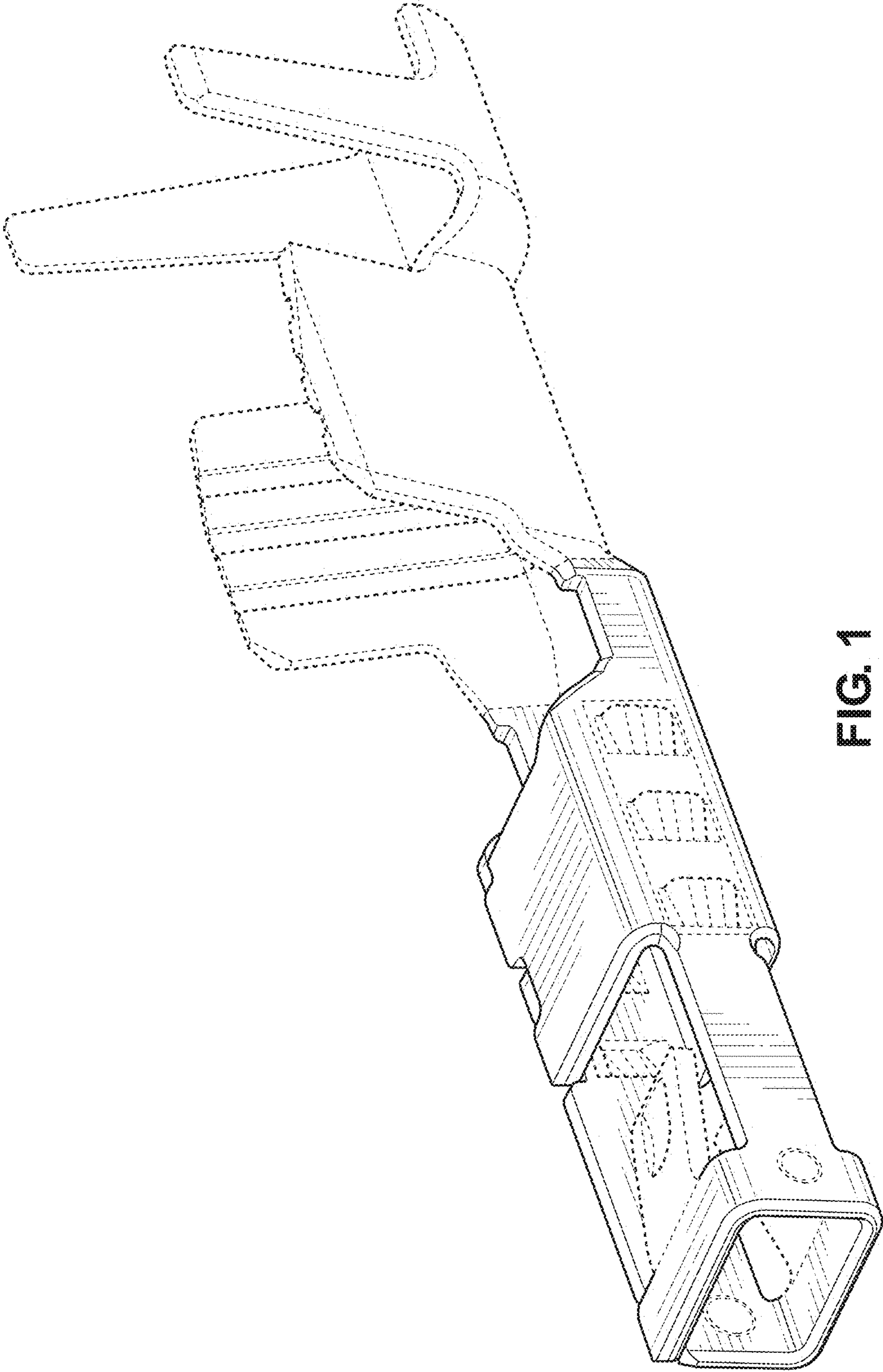


FIG. 1

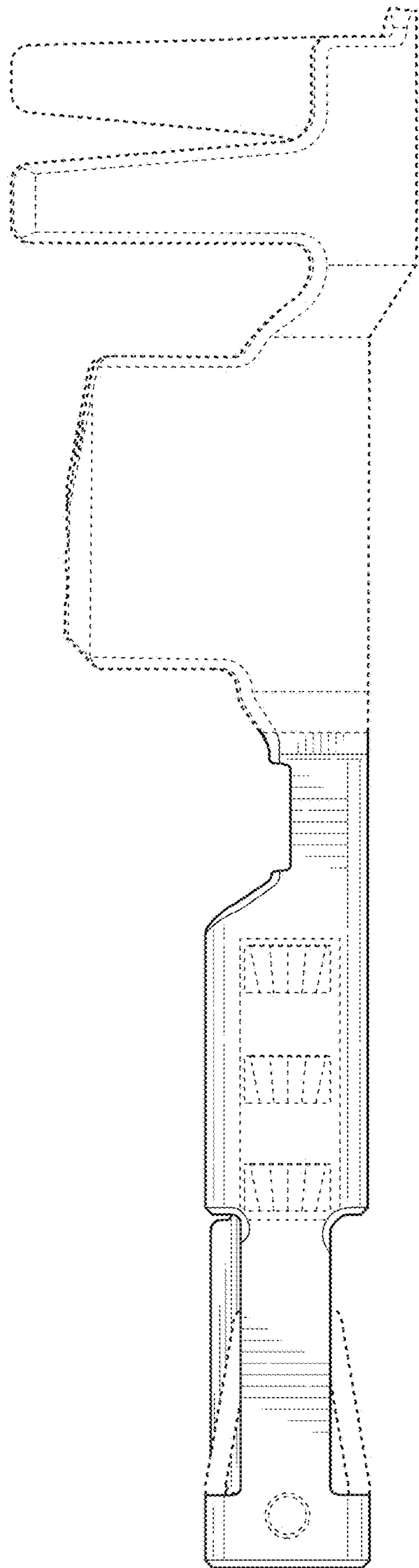


FIG. 2

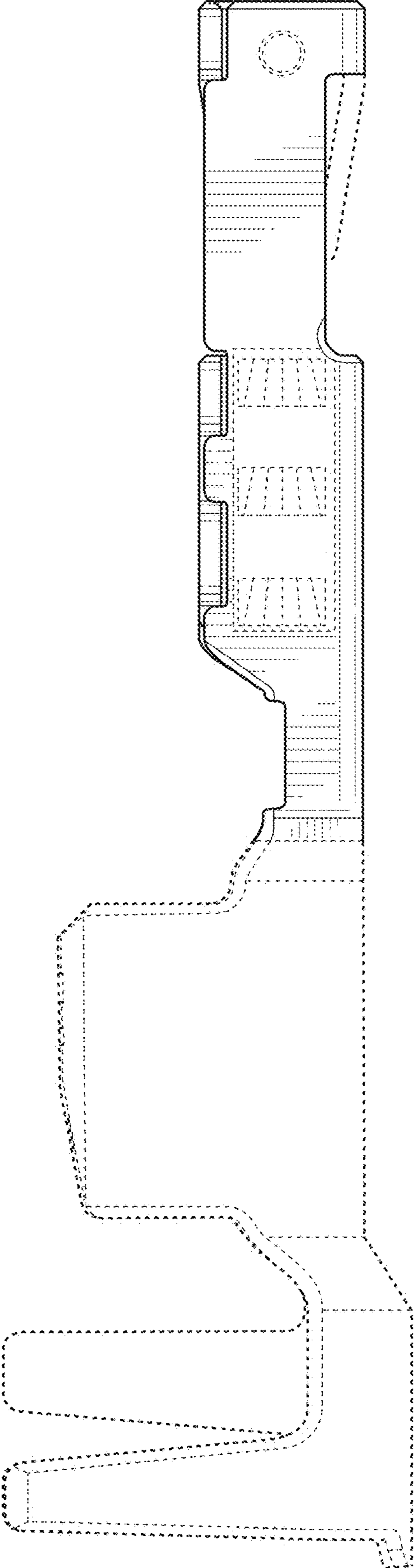


FIG. 3

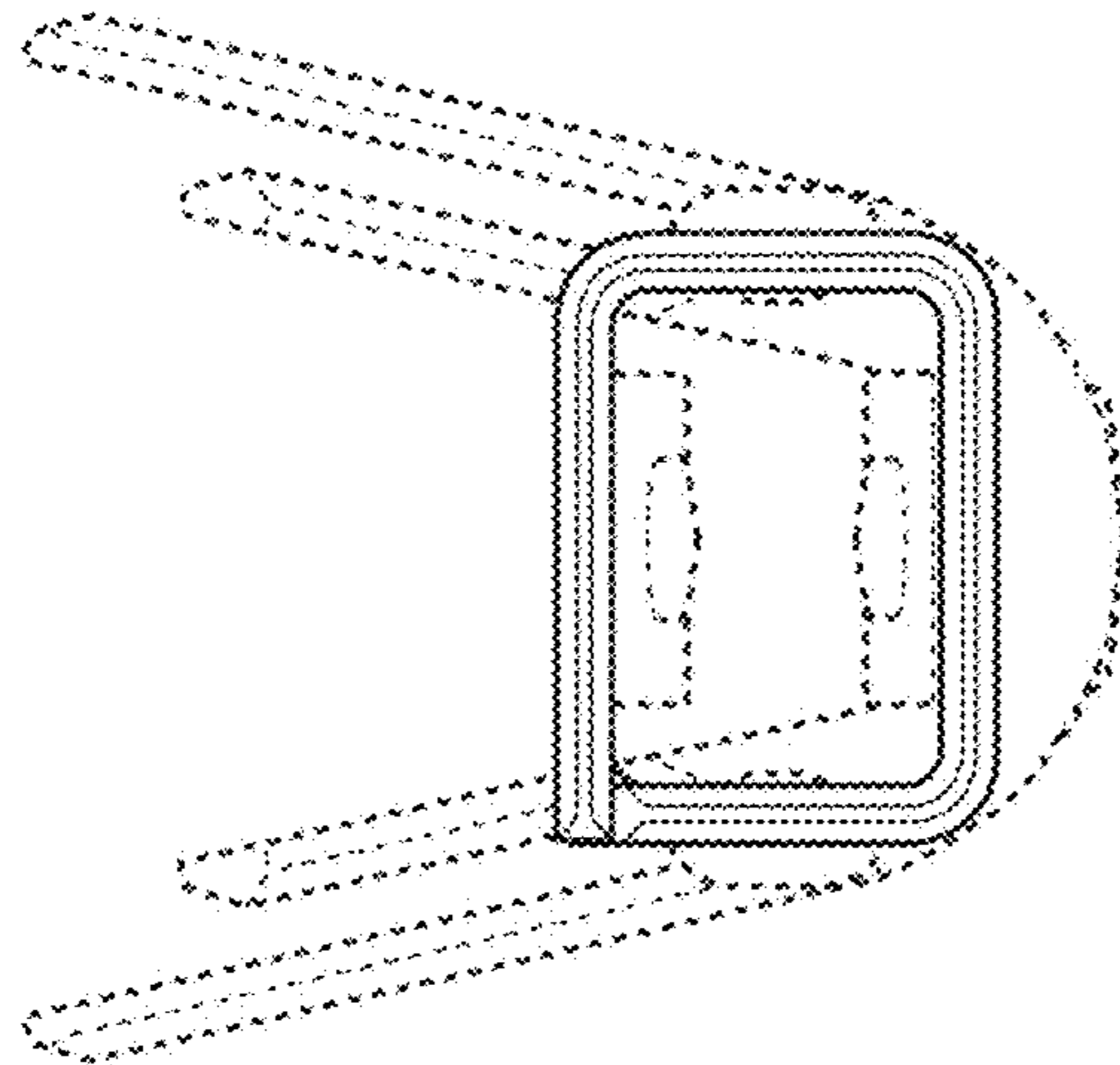


FIG. 4

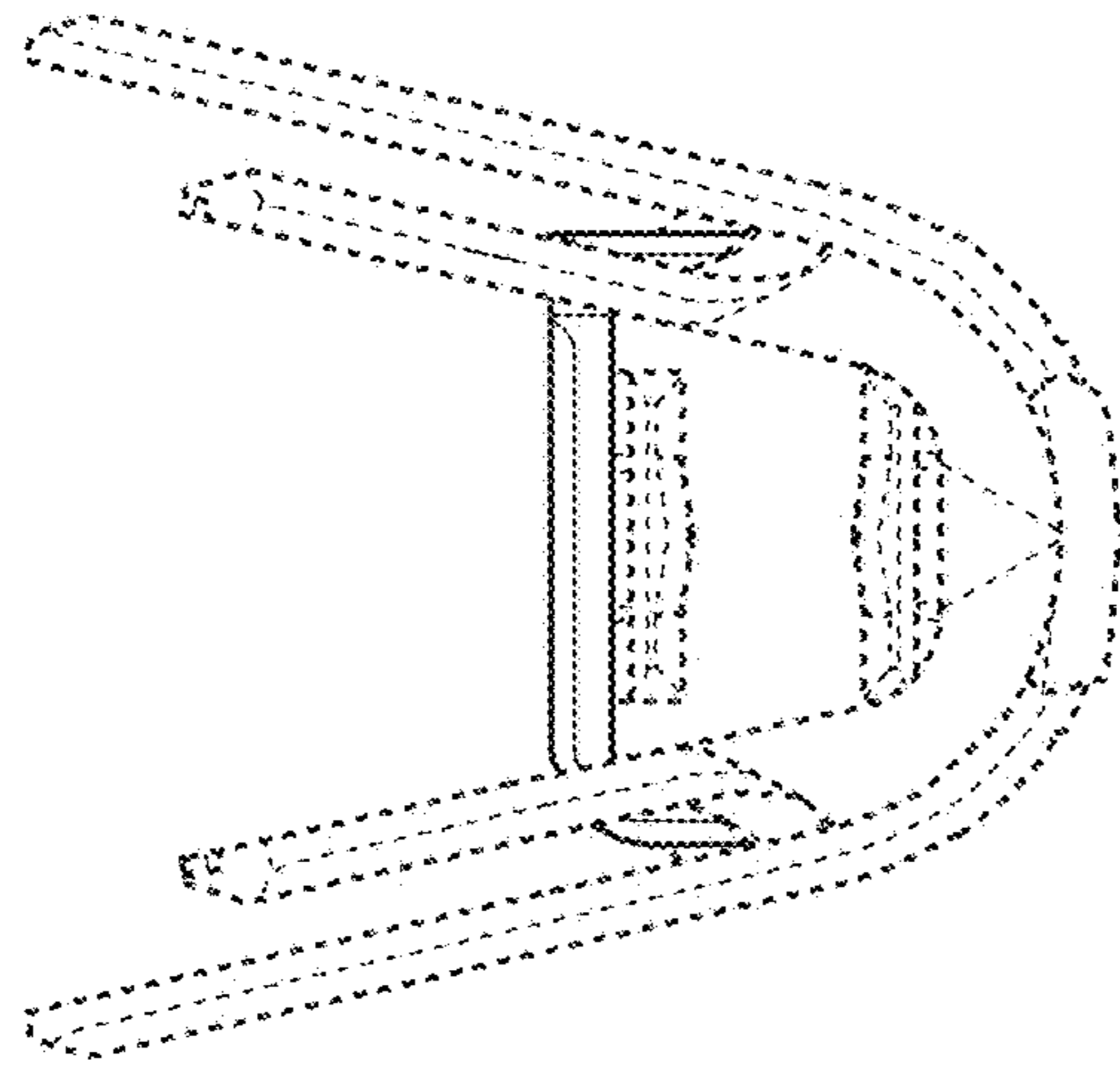


FIG. 5

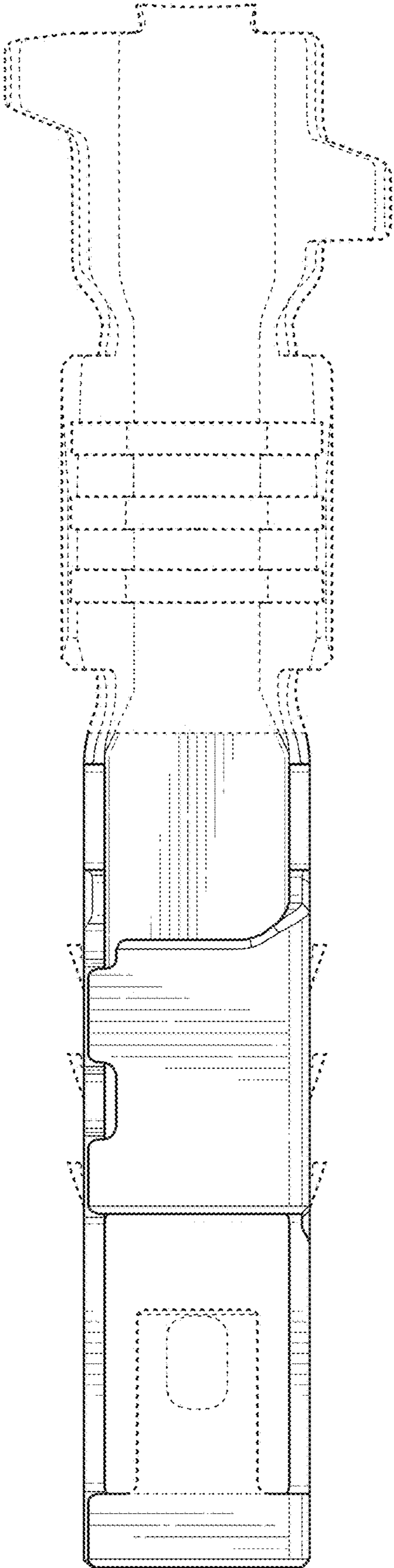


FIG. 6

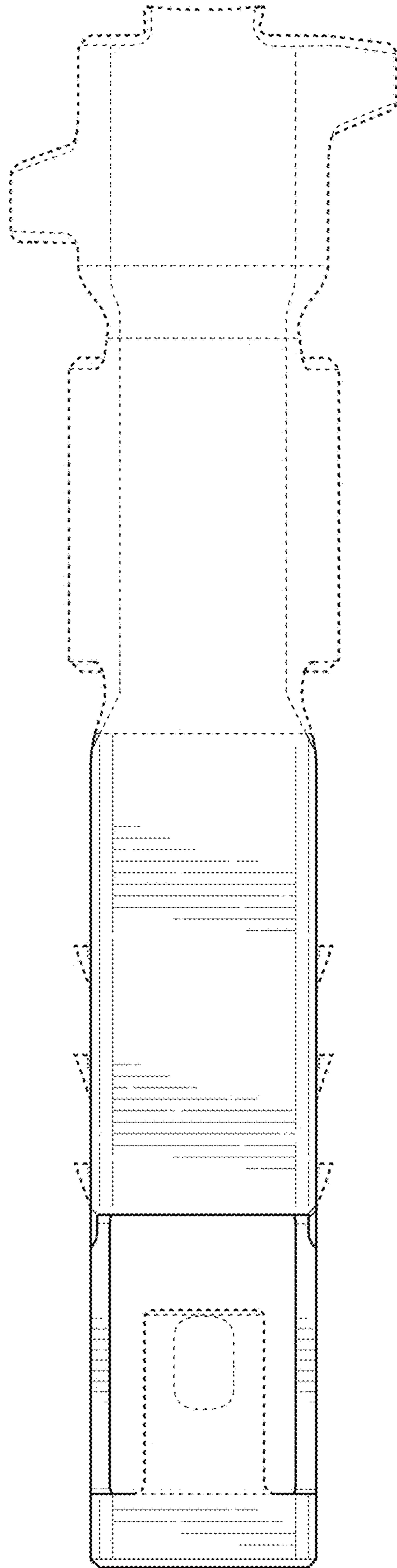


FIG. 7

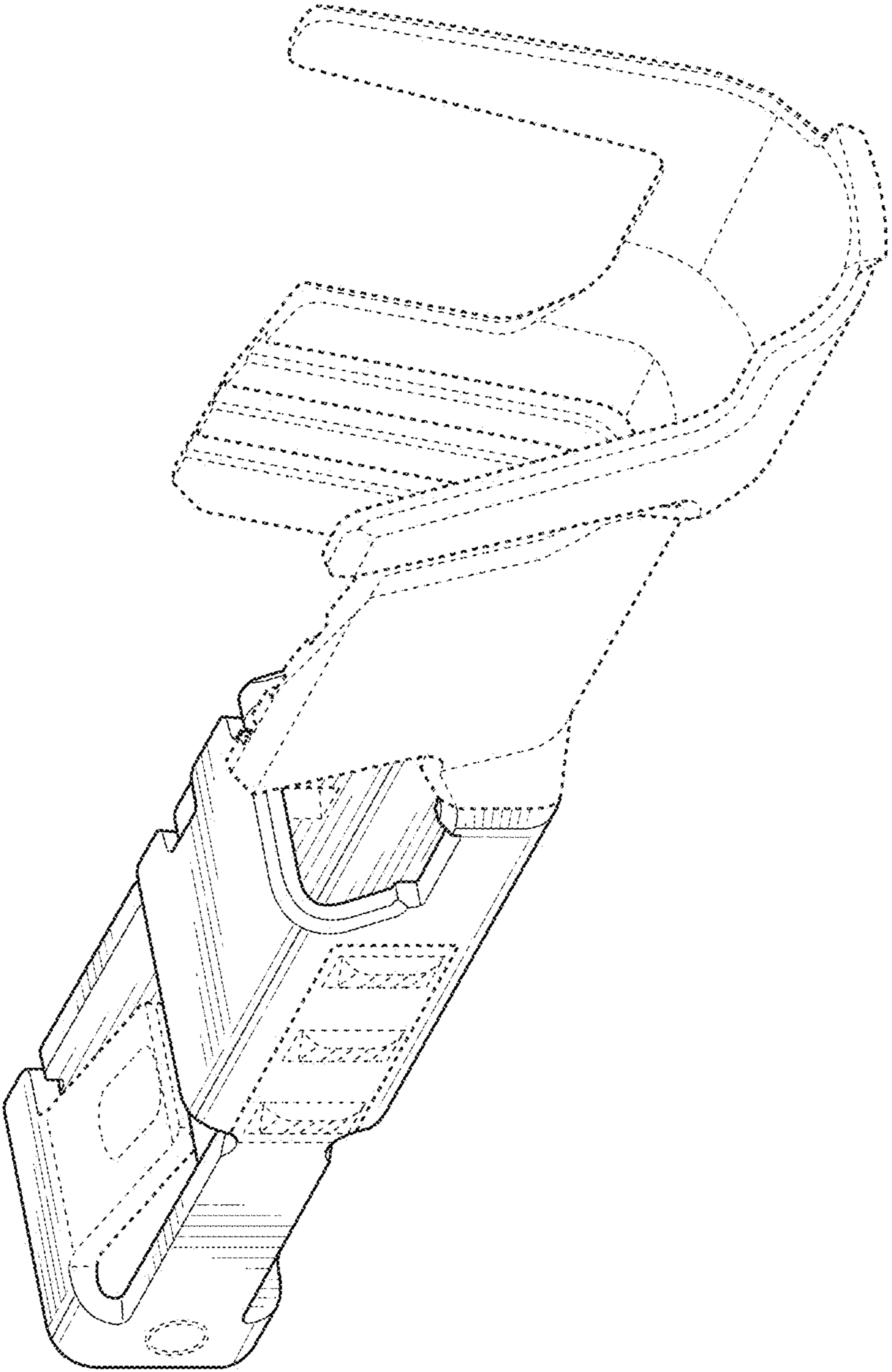


FIG. 8

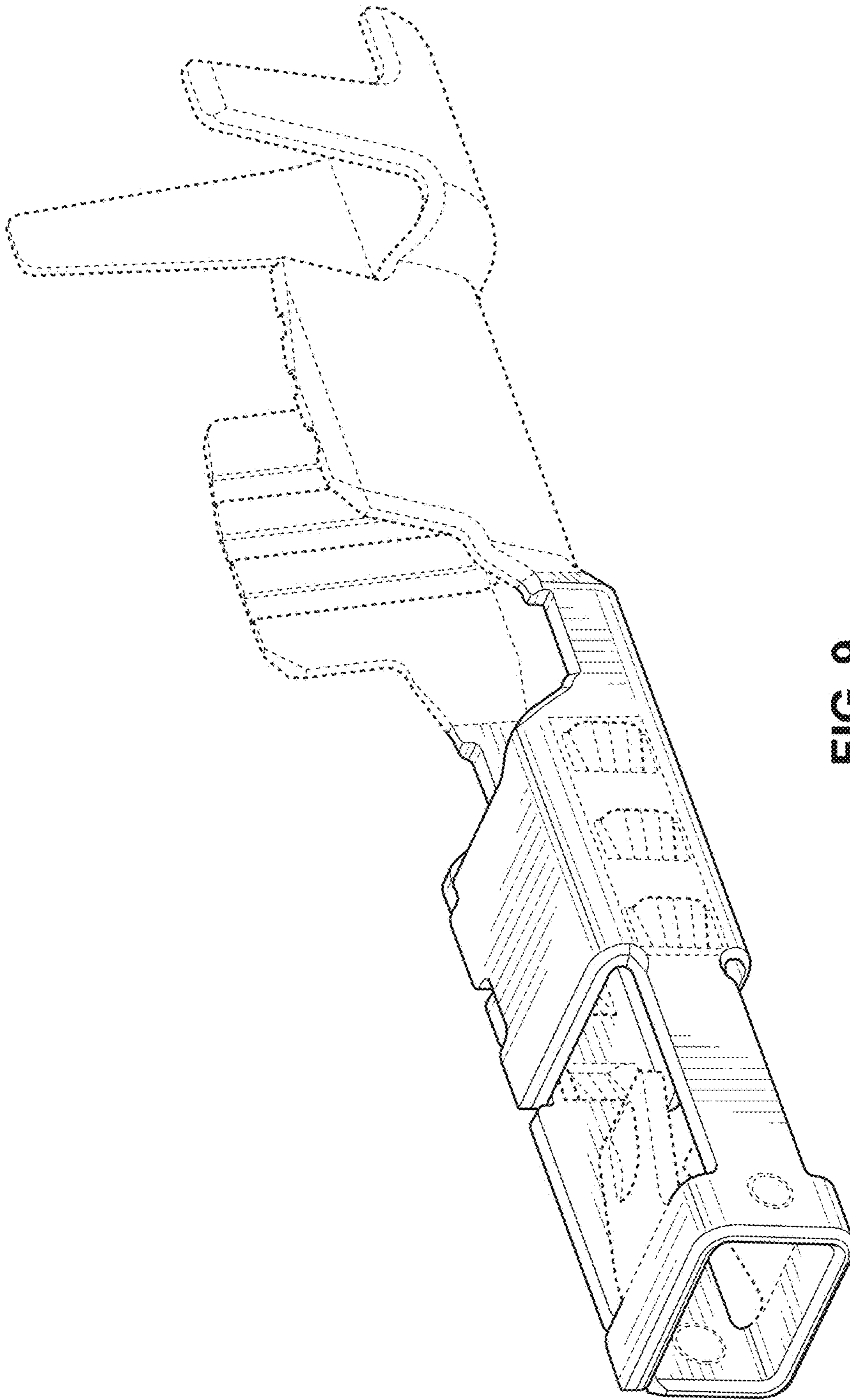


FIG. 9

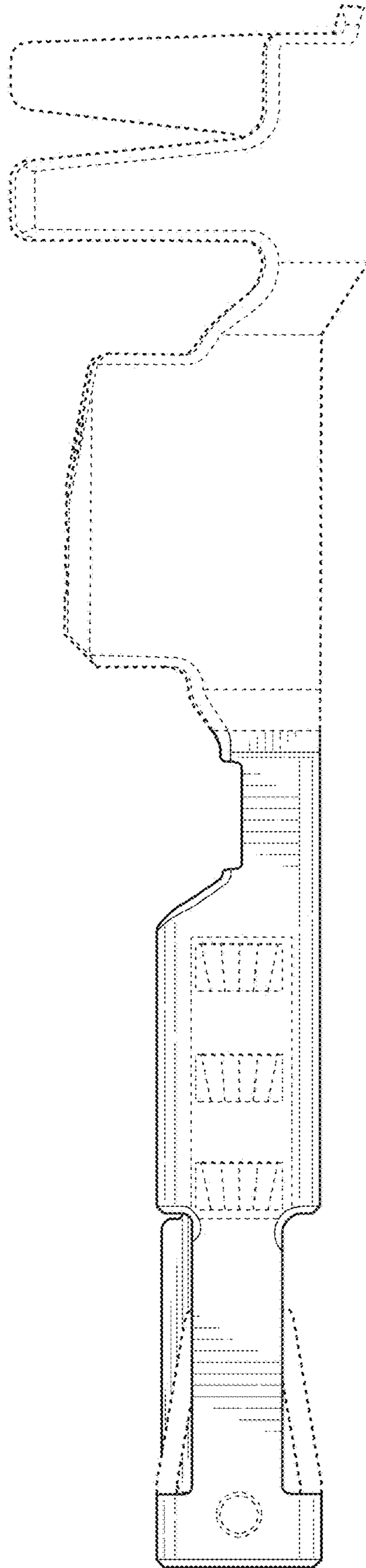


FIG. 10

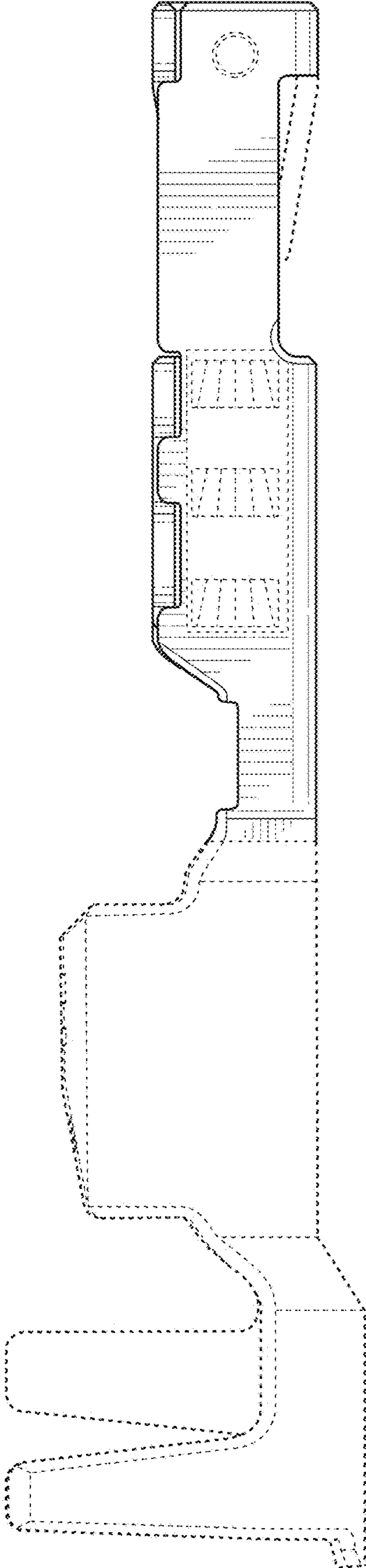


FIG. 11

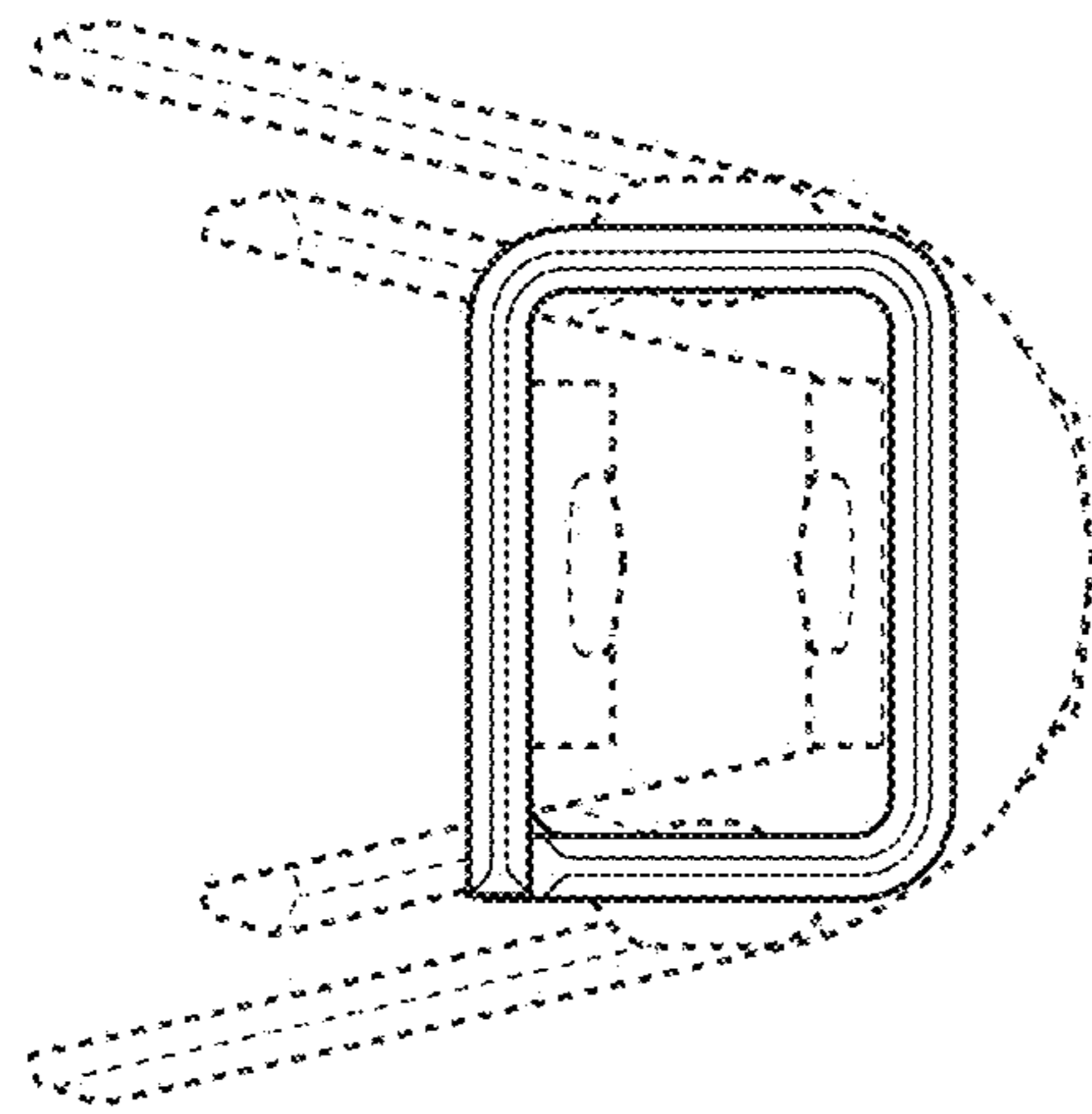


FIG. 12

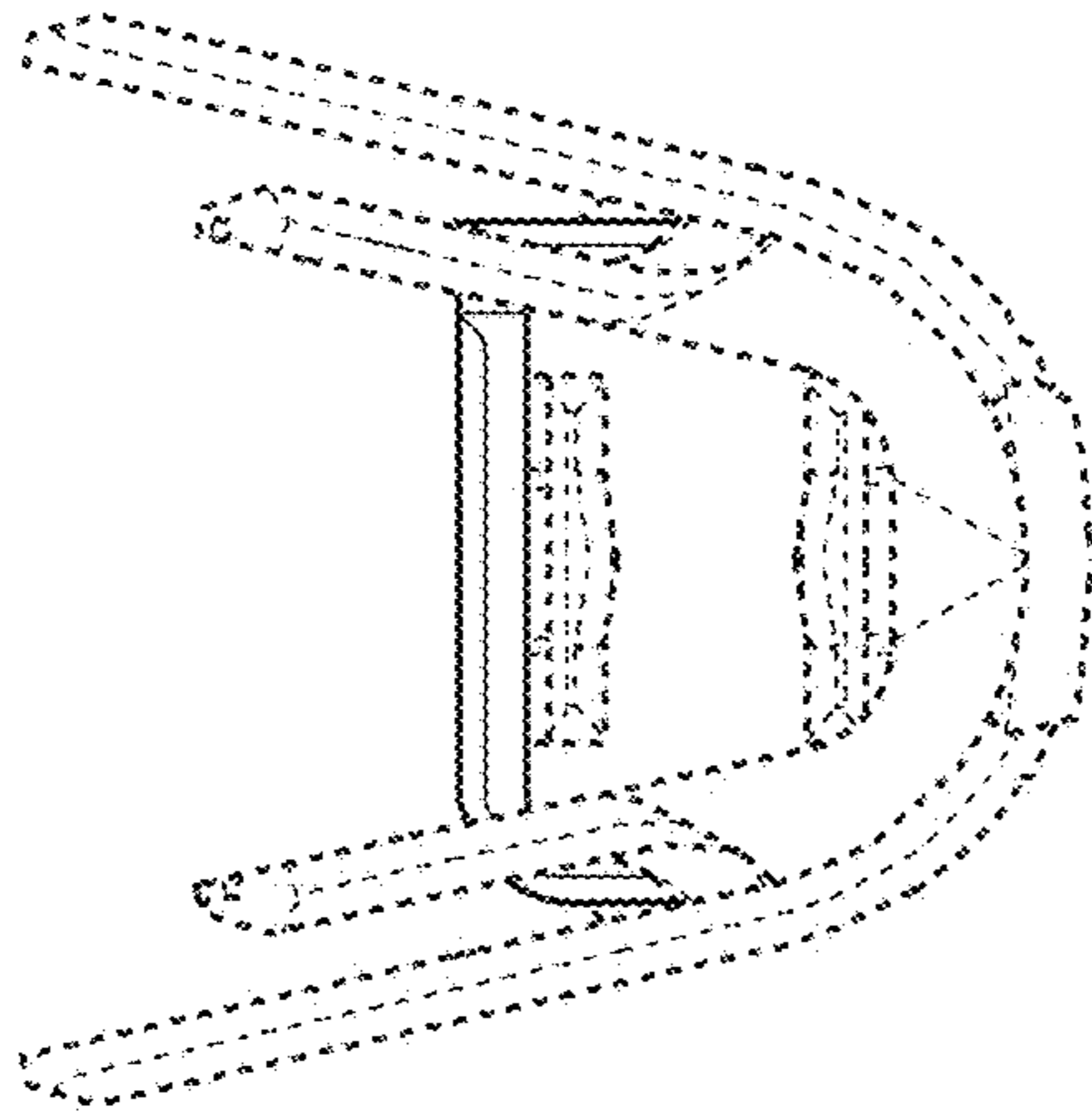


FIG. 13

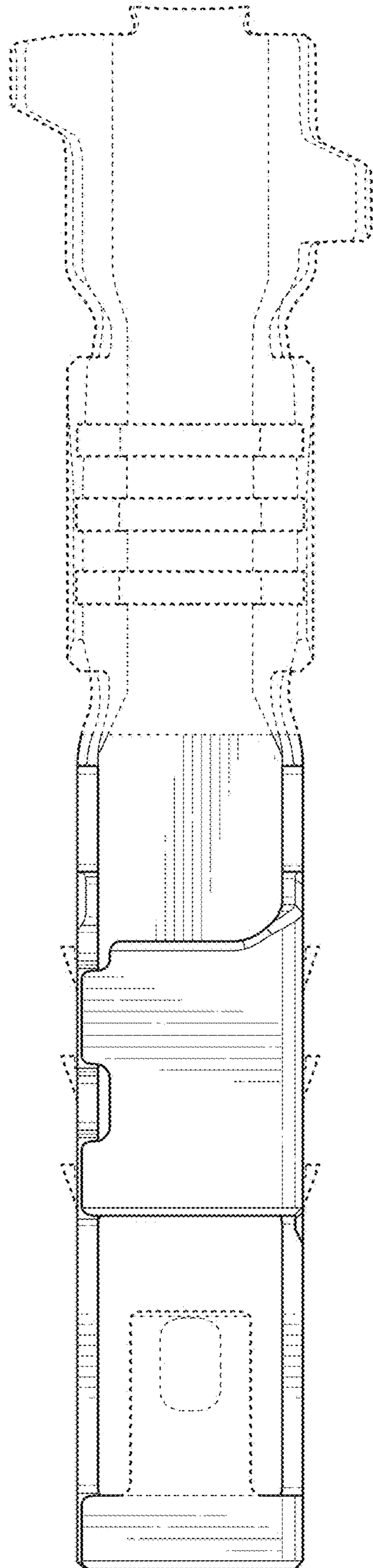


FIG. 14

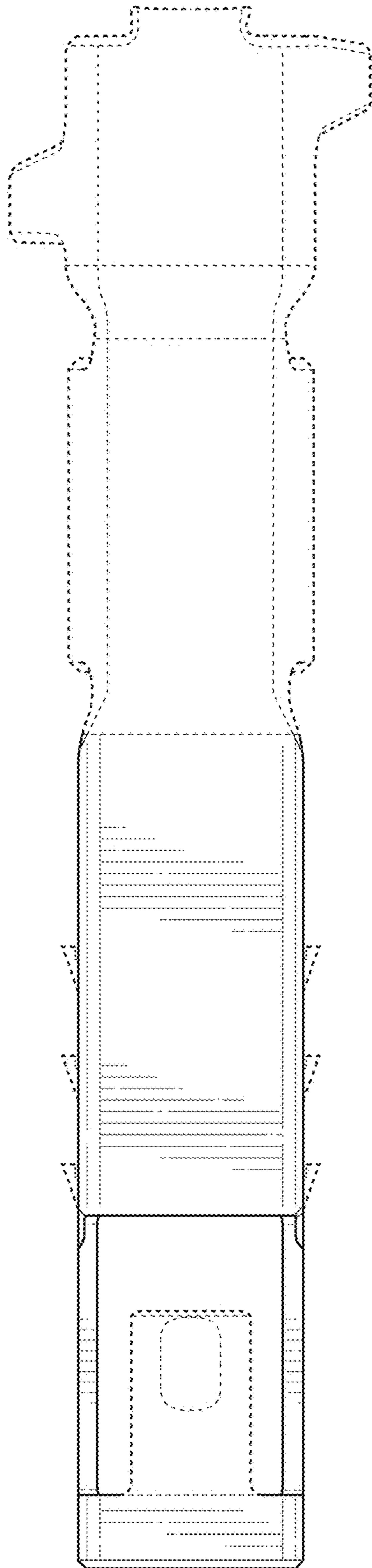


FIG. 15

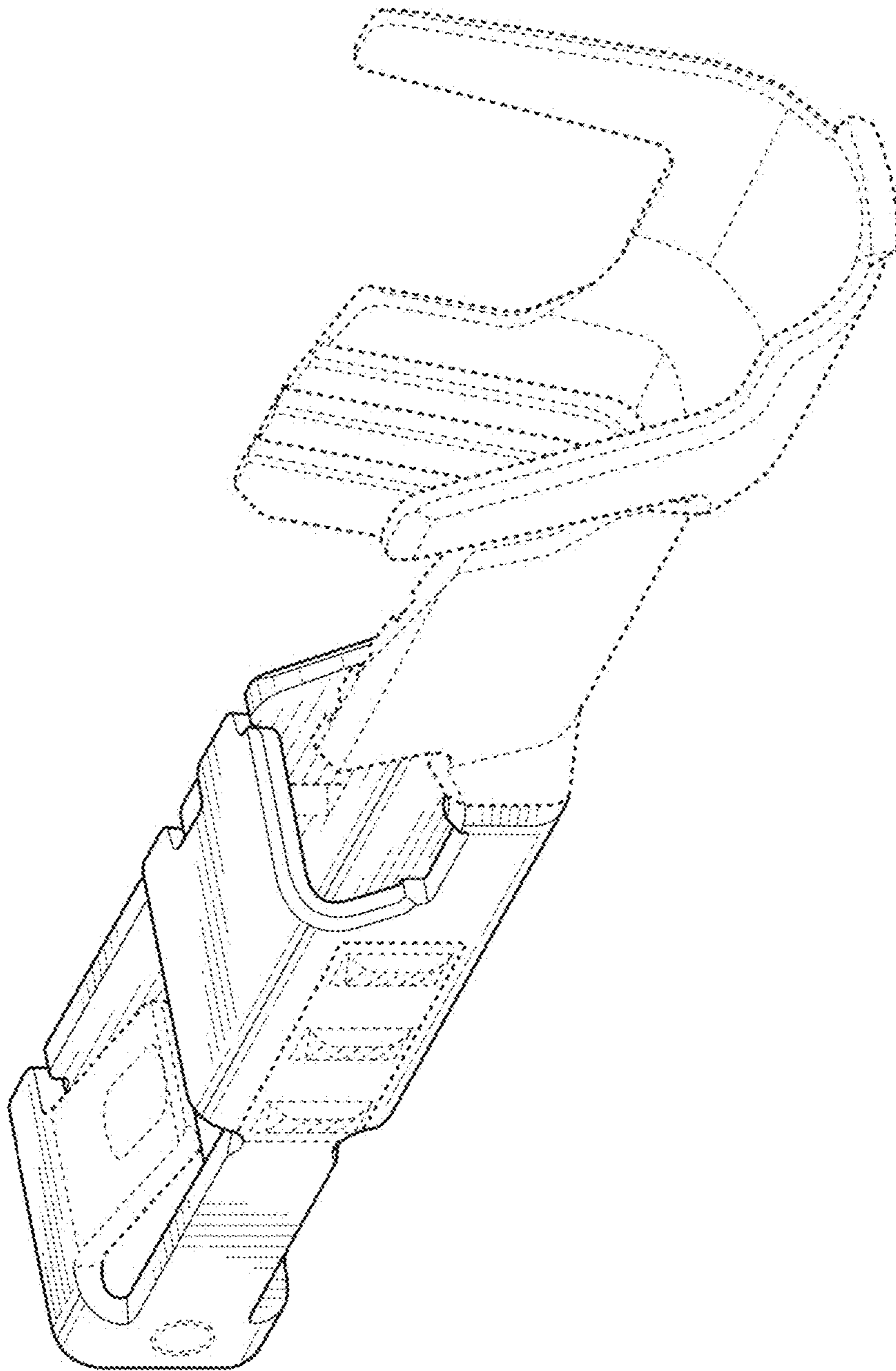


FIG. 16