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

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(54) **ELECTRICAL CONNECTOR**

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(73) Assignee: **JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED**, Tokyo (JP)

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

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(22) Filed: **Jan. 3, 2018**

(30) **Foreign Application Priority Data**

Jul. 14, 2017 (JP) 2017-015261

(51) **LOC (12) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/147**

(58) **Field of Classification Search**
USPC D13/147, 154; D15/146, 133
CPC H01R 13/6586; H01R 13/6582; H01R 13/6273; H01R 24/64; H01R 13/5219; H01R 13/5205; H01R 13/6581; H01R 2107/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D618,625 S * 6/2010 Nagata D13/147
D709,035 S * 7/2014 Yokoyama D13/147
D737,211 S * 8/2015 Little D13/147
D744,430 S * 12/2015 Yokoyama D13/147
D772,166 S * 11/2016 Chien D13/147
D797,063 S * 9/2017 Tsai D13/174
2015/0194768 A1* 7/2015 Little H01R 13/6594
439/607.37

2015/0194770 A1* 7/2015 Little H01R 13/6582
439/607.27

2015/0270661 A1* 9/2015 Kao H01R 13/5202
439/271

2016/0126677 A1* 5/2016 Yu H01R 13/6474
439/607.23

(Continued)

FOREIGN PATENT DOCUMENTS

CN 303507893 * 12/2015
CN 304694639 * 6/2018

(Continued)

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(57) **CLAIM**

The ornamental design for an electrical connector, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of an electrical connector showing our new design;

FIG. 2 is a rear elevational view thereof;

FIG. 3 is a right side elevational view thereof;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a perspective view showing a front, top and right side thereof;

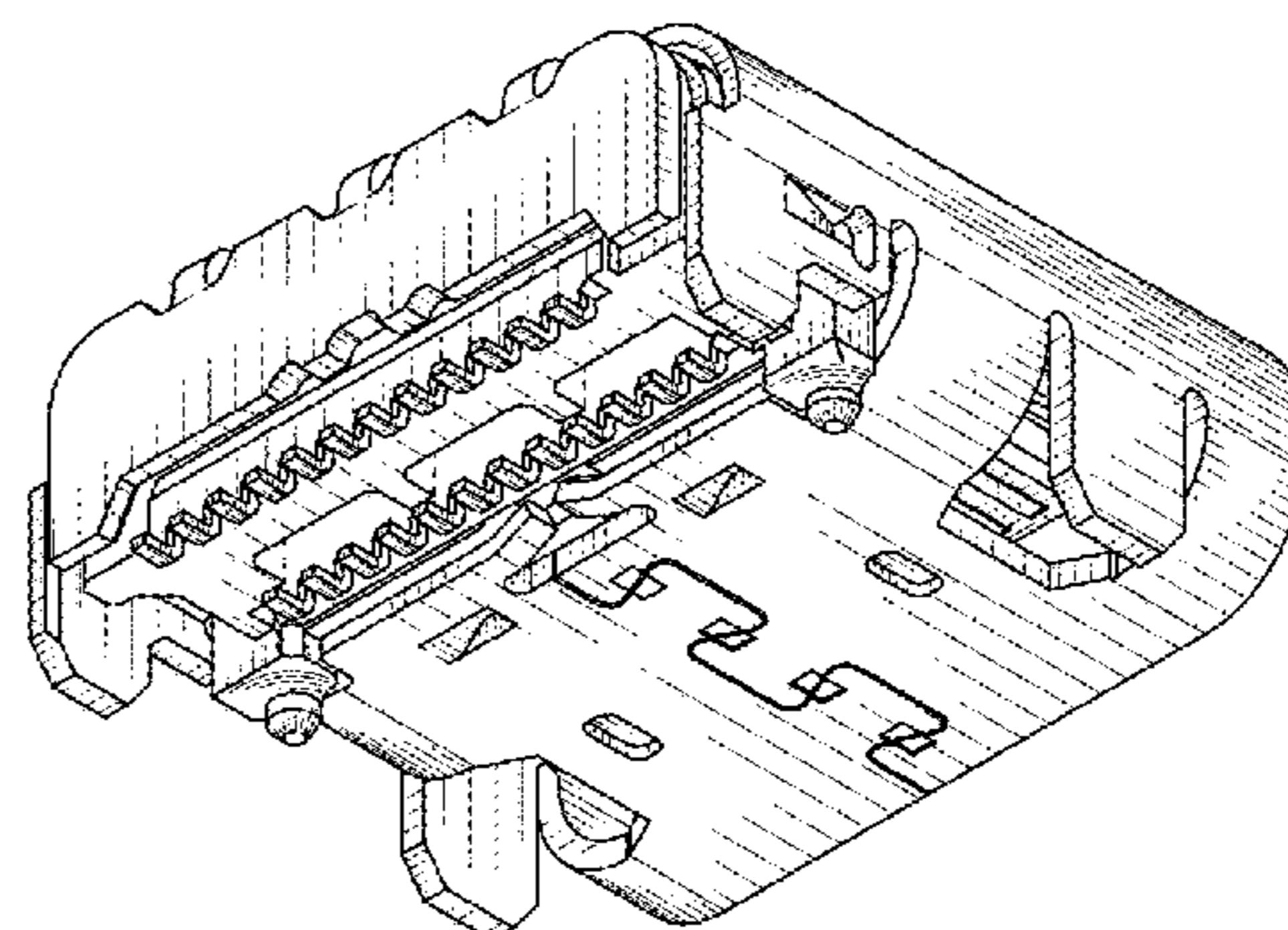
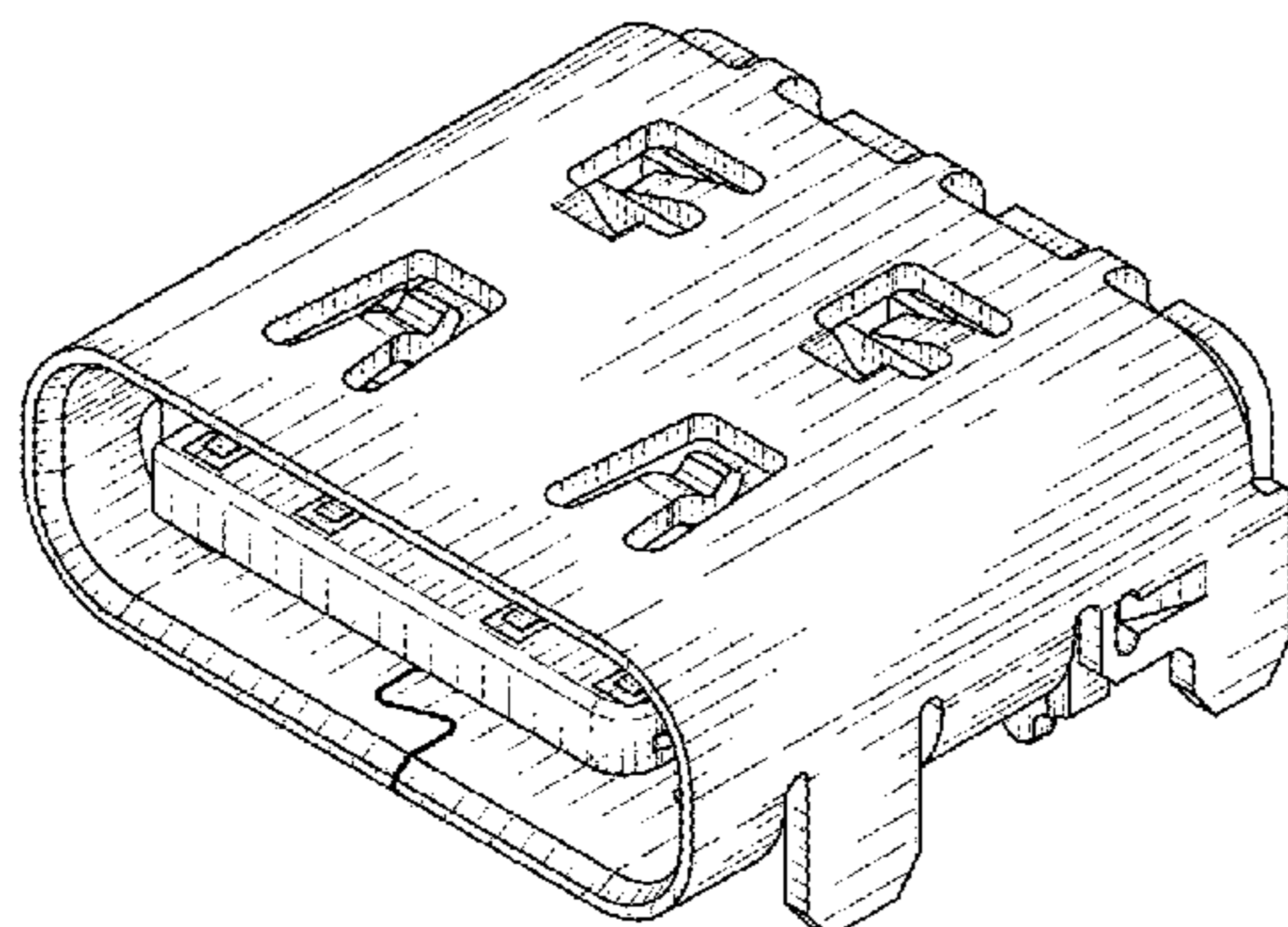
FIG. 8 is a perspective view showing a rear, bottom and left side thereof;

FIG. 9 is a perspective view showing a front, right and bottom side thereof; and,

FIG. 10 is a perspective view showing a rear, left and top side thereof.

The broken lines shown in the views are included for the purpose of illustrating portions of the electrical connector that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2016/0294130 A1* 10/2016 Guo H01R 24/60
2017/0077652 A1* 3/2017 Chen H01R 13/405
2017/0373408 A1* 12/2017 Cheng H01R 13/405

FOREIGN PATENT DOCUMENTS

CN 304694655 * 6/2018
JP D1597793 * 2/2018
JP D1635056 * 7/2019
KR 300830931.0000 * 12/2015
KR 300966608.0000 * 7/2018

* cited by examiner

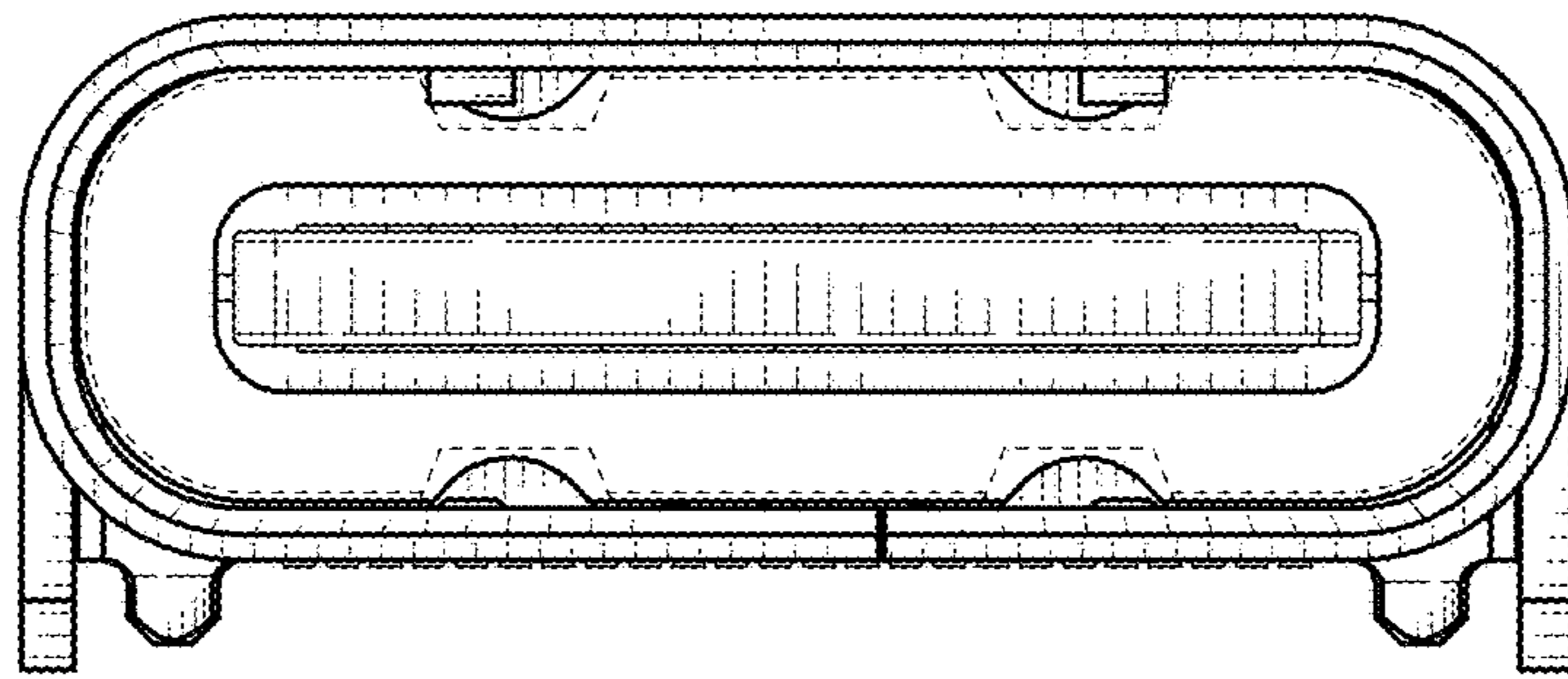


FIG. 1

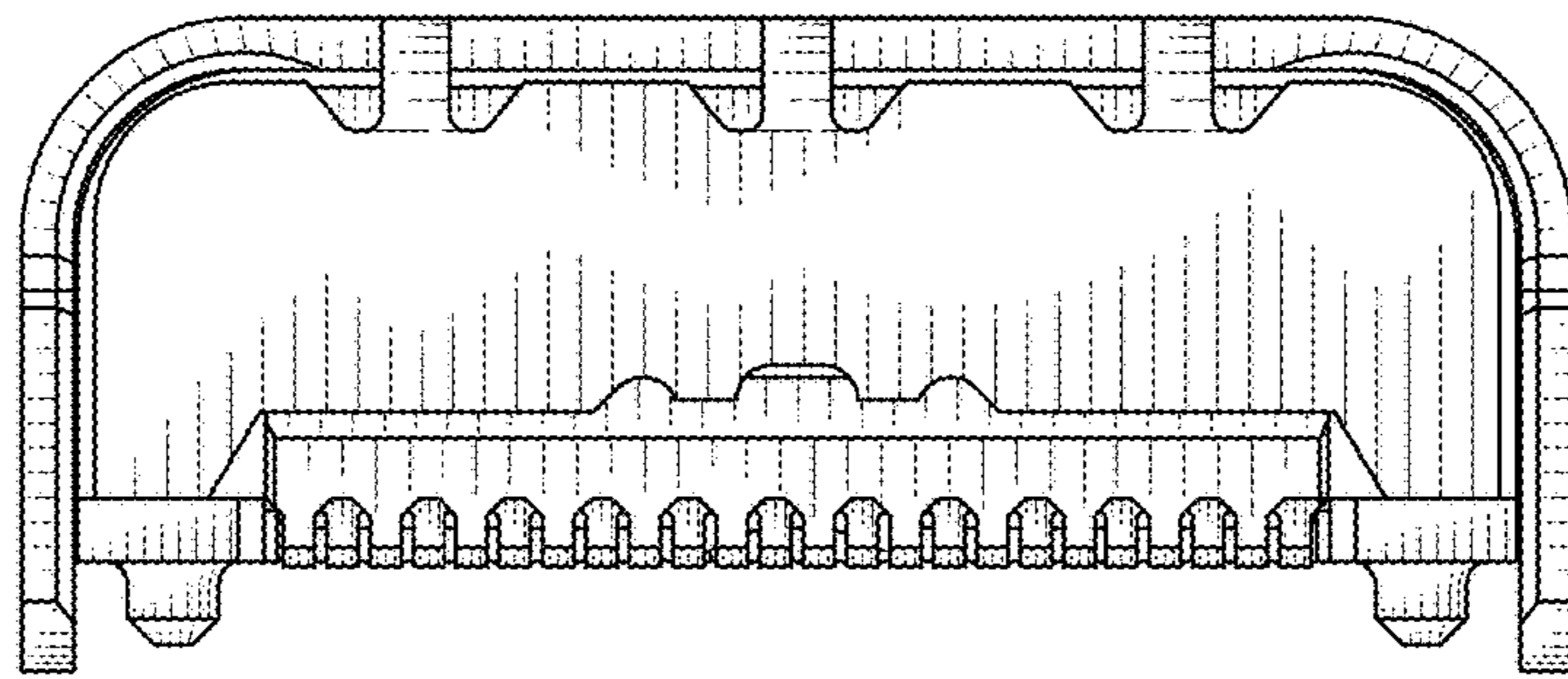


FIG. 2

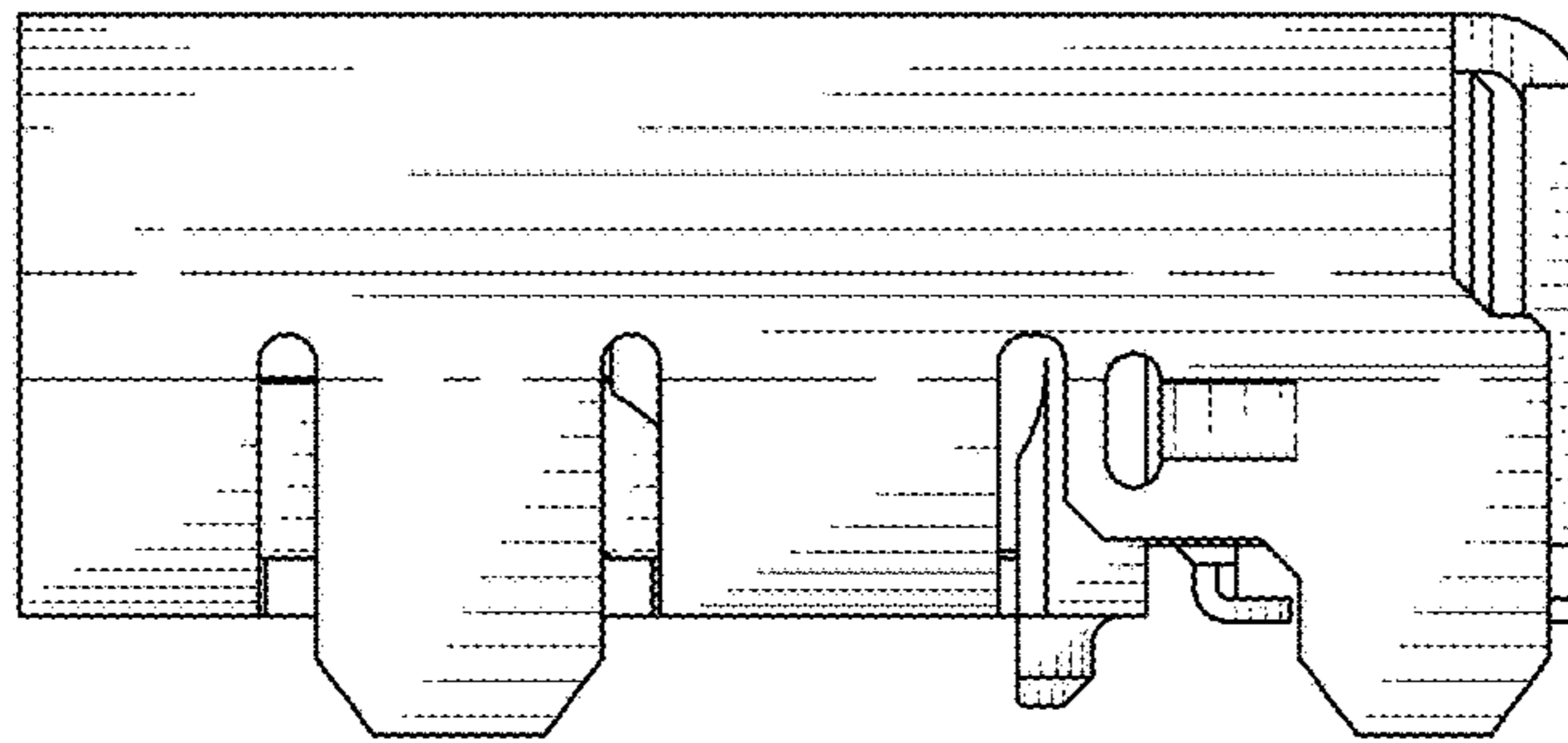


FIG. 3

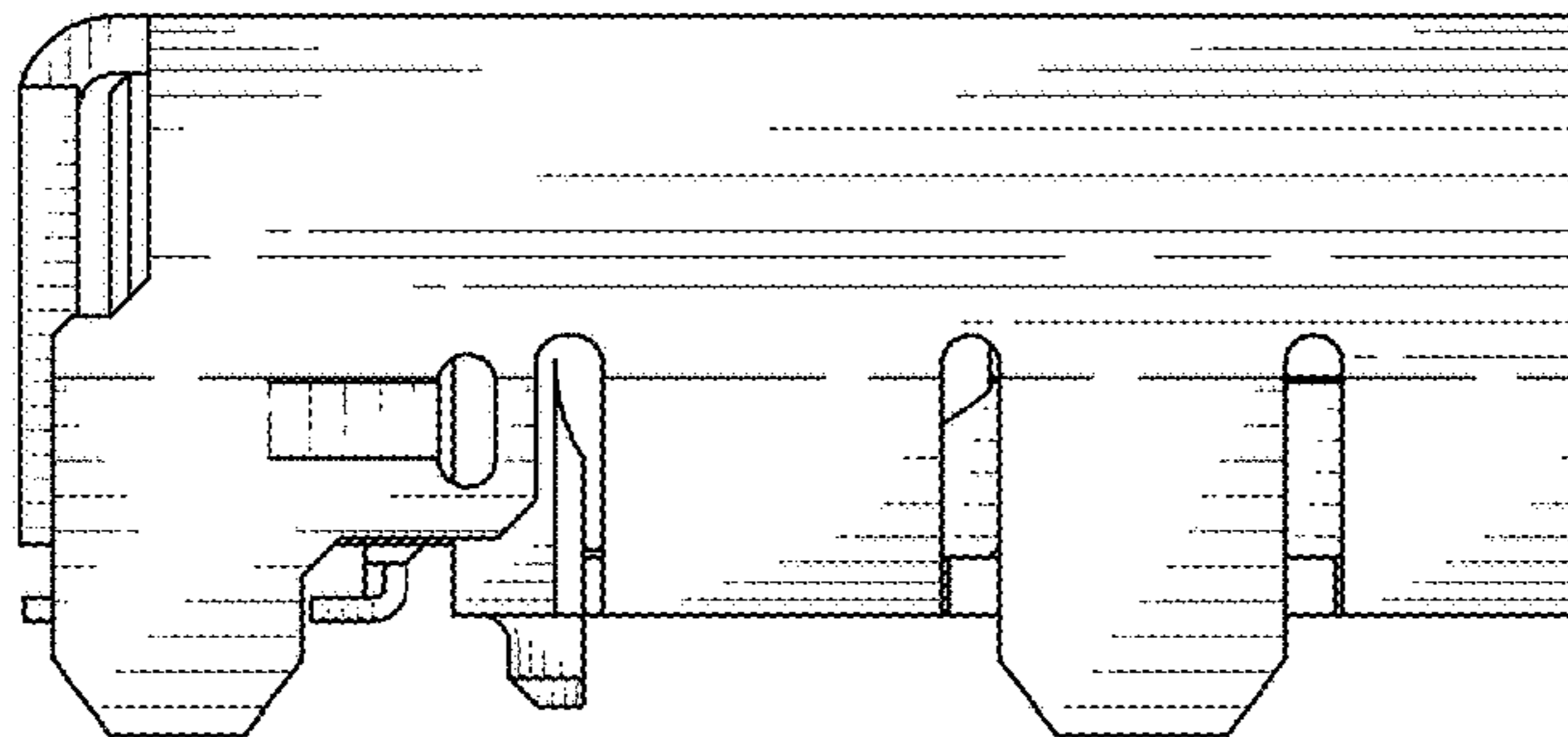


FIG. 4

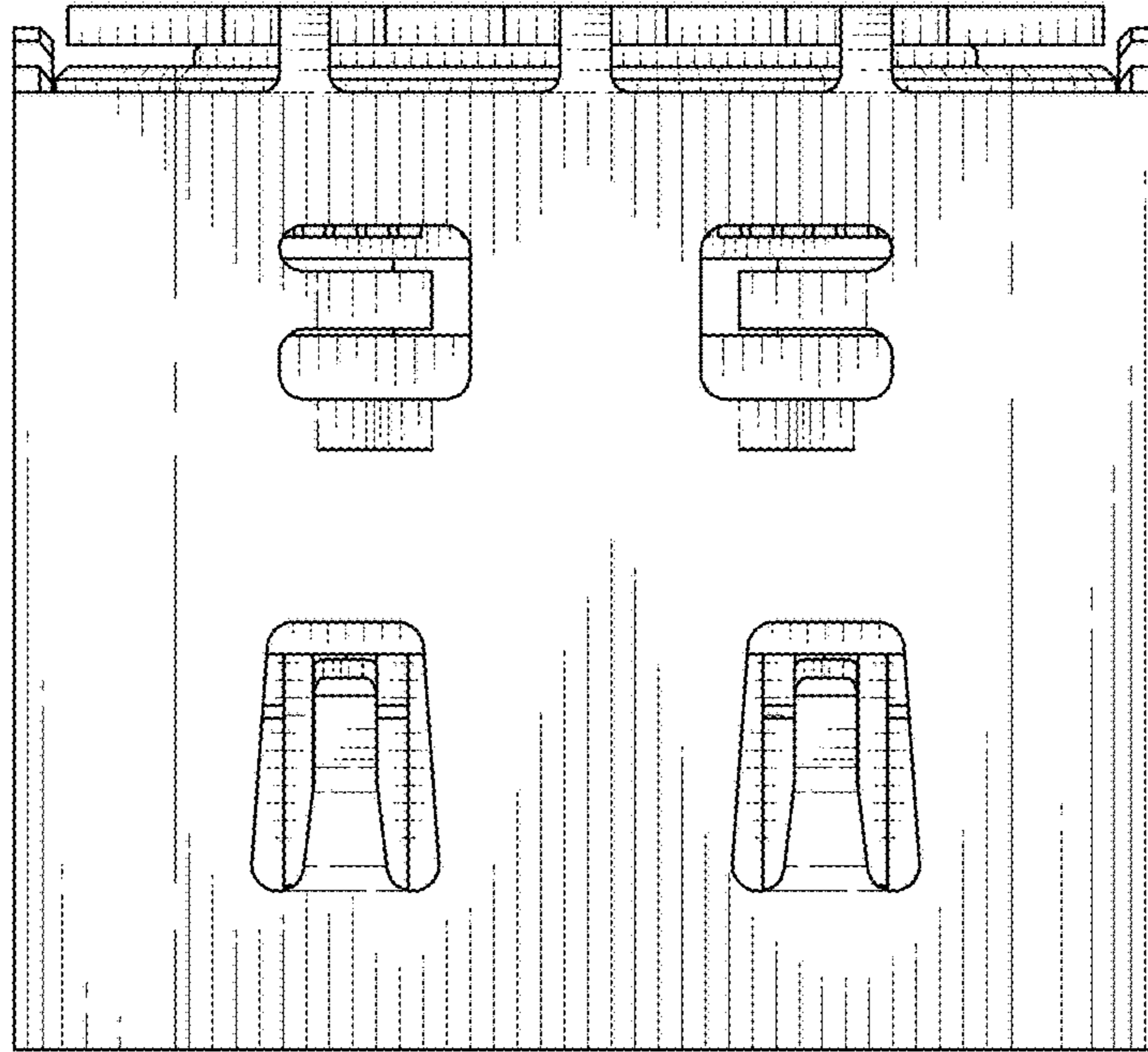


FIG. 5

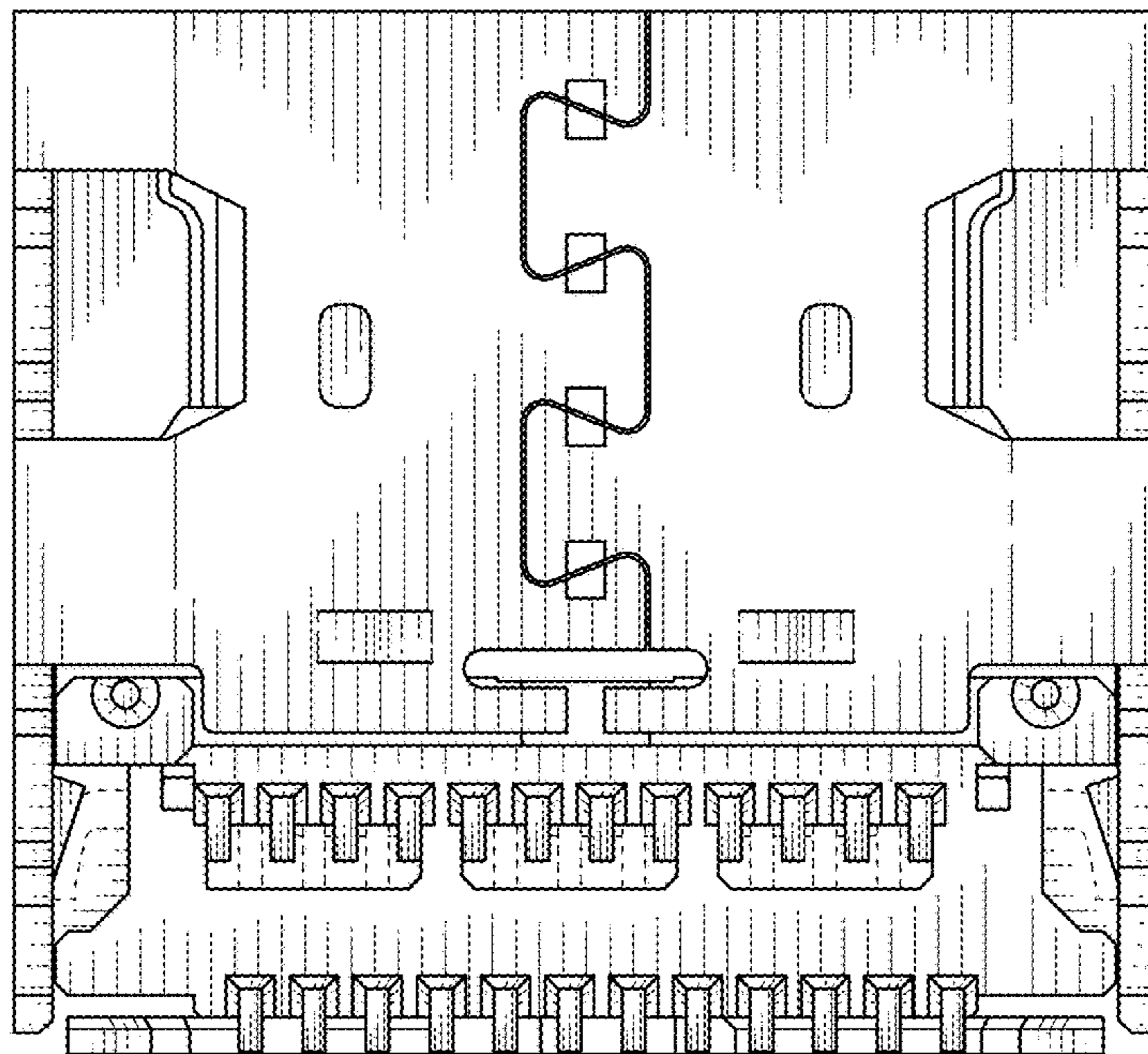


FIG. 6

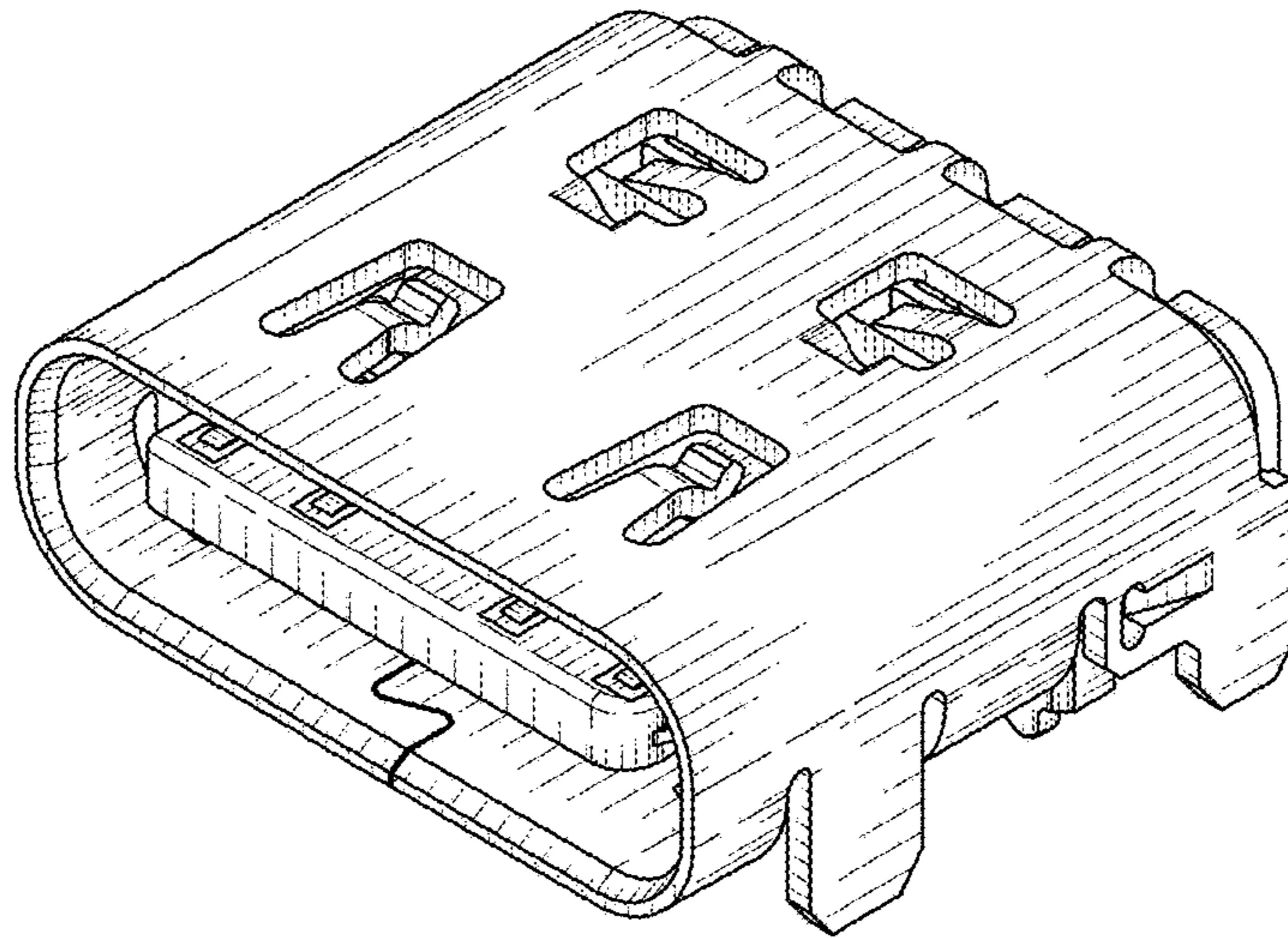


FIG. 7

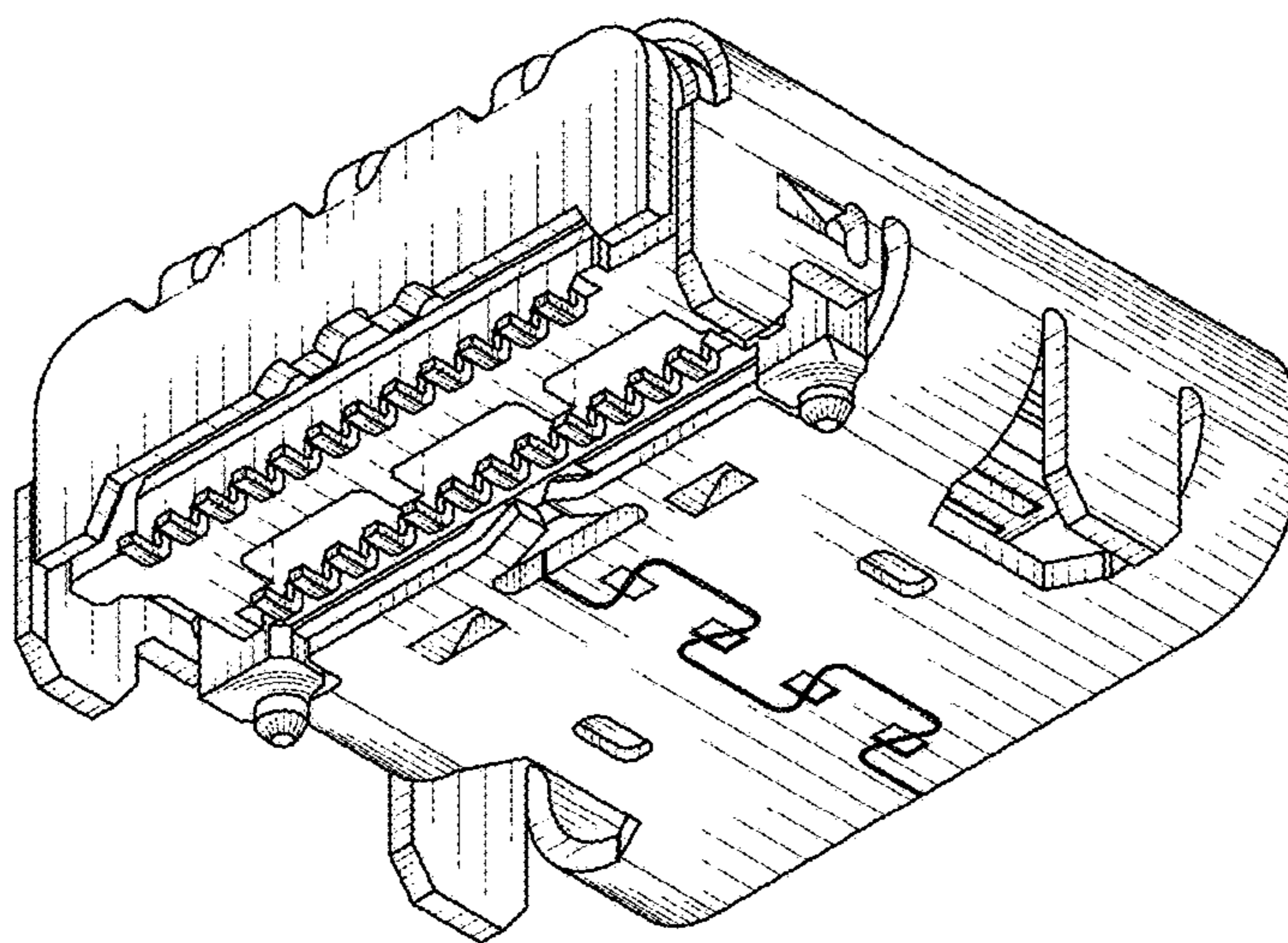


FIG. 8

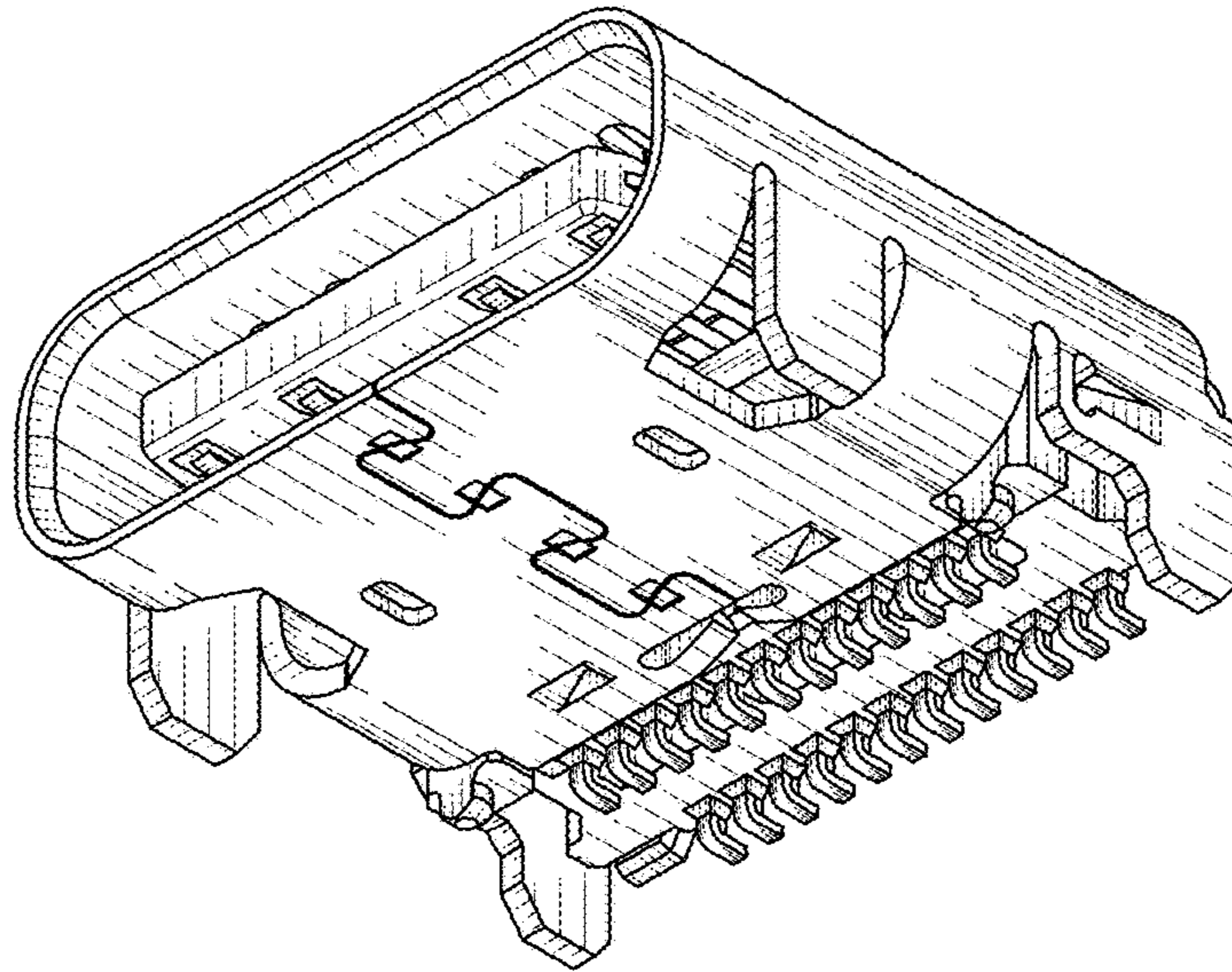


FIG. 9

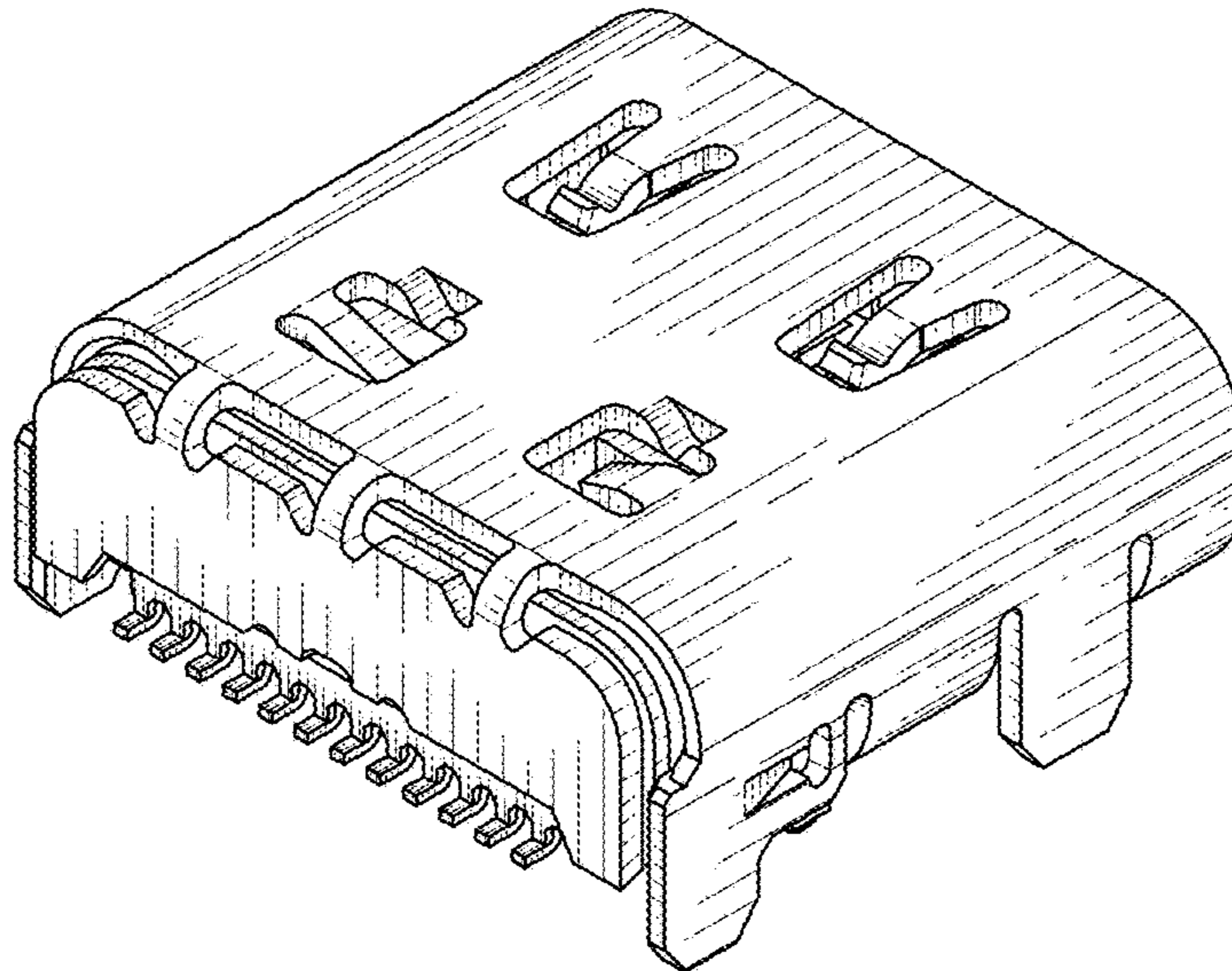


FIG. 10