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

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(54) **ELECTRICAL CONNECTOR TERMINAL**

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

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(30) **Foreign Application Priority Data**

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

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

(58) **Field of Classification Search**

USPC ..... D13/154, 147; D15/146, 133  
CPC .. H01R 13/4223; H01R 13/20; H01R 13/432;  
H01R 13/11; H01R 13/4367; H01R  
4/185; H01R 13/111; H01R 13/113;  
H01R 13/6272; H01R 13/629; H01R  
13/41; H01R 43/16; H01R 13/114; H01R  
13/4361; H01R 13/514; H01R 13/40;  
H01R 13/428; H01R 13/115

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,338,217 A \* 8/1994 Saitoh ..... H01R 13/11  
439/246  
6,174,208 B1 \* 1/2001 Chen ..... H01R 13/113  
439/752.5  
6,767,259 B2 \* 7/2004 Kojima ..... H01R 13/114  
439/595  
D494,545 S \* 8/2004 Kuroda ..... D13/154

D553,080 S \* 10/2007 Sakamaki ..... D13/133  
D556,136 S \* 11/2007 Shiga ..... D13/133  
D603,806 S \* 11/2009 Yamashita ..... D13/154  
D605,138 S \* 12/2009 Sogo ..... D13/154  
D621,368 S \* 8/2010 Lee ..... D13/154  
7,856,712 B2 \* 12/2010 Busies ..... H01R 13/113  
29/874  
D762,587 S \* 8/2016 Ebisawa ..... D13/154

(Continued)

**FOREIGN PATENT DOCUMENTS**

JP D1504132 \* 8/2014  
JP D1599728 \* 3/2018  
KR 300919212.0000 \* 8/2017

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(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front view of an electrical connector terminal of  
my design.

FIG. 2 is a back view of the electrical connector terminal of  
FIG. 1.

FIG. 3 is a right side view of the electrical connector  
terminal of FIG. 1.

FIG. 4 is a left side view of the electrical connector terminal  
of FIG. 1.

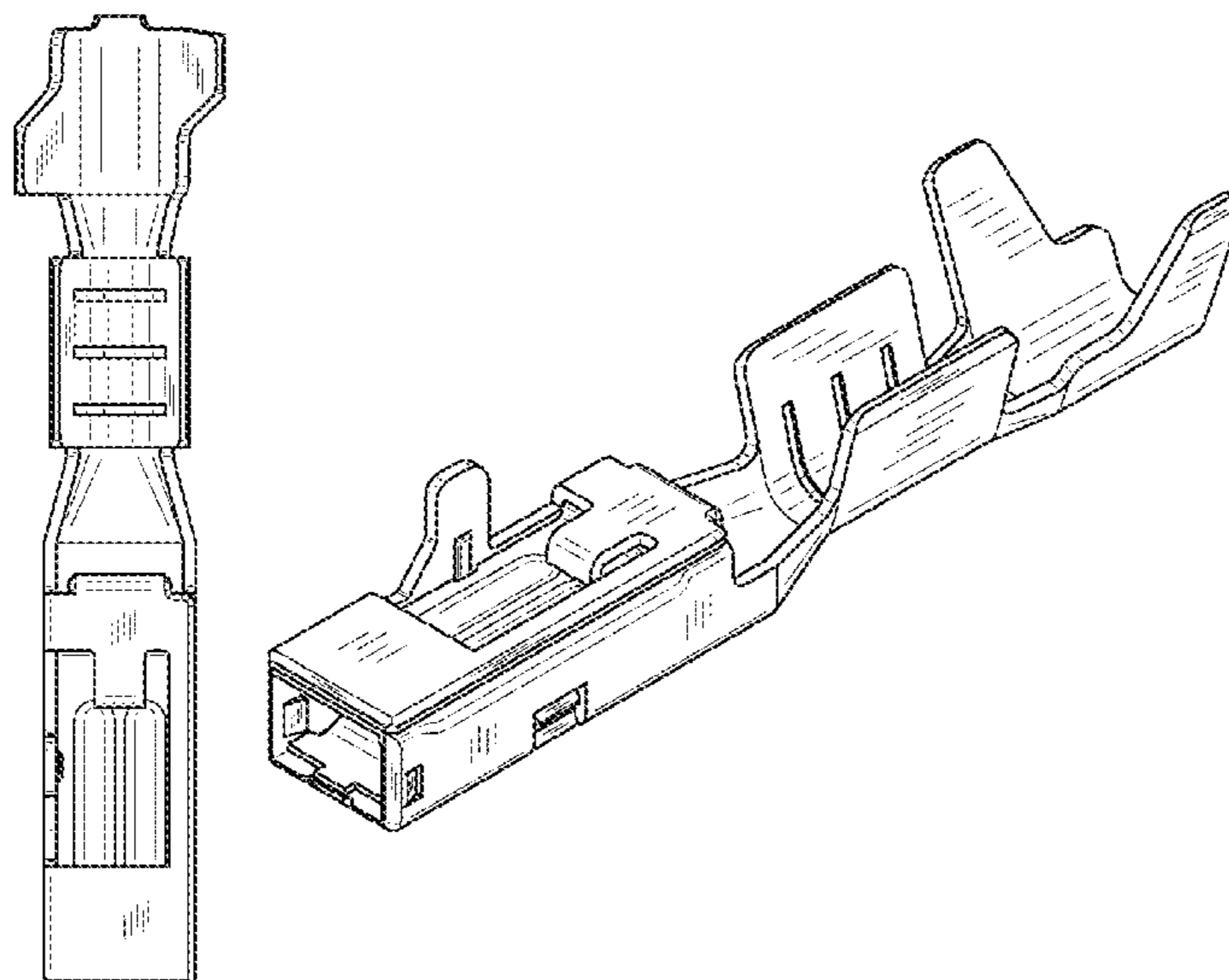
FIG. 5 is a top view of the electrical connector terminal of  
FIG. 1.

FIG. 6 is a bottom view of the electrical connector terminal  
of FIG. 1.

FIG. 7 is a top perspective view of the electrical connector  
terminal of FIG. 1; and,

FIG. 8 is a bottom perspective view of the electrical con-  
nector terminal of FIG. 1.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D781,239 S \* 3/2017 Ikeda ..... D13/154  
D847,759 S \* 5/2019 Bhagyanathan Sathianathan .....  
D13/154  
D847,760 S \* 5/2019 Bhagyanathan Sathianathan .....  
D13/154  
D847,761 S \* 5/2019 Bhagyanathan Sathianathan .....  
D13/154  
2001/0016460 A1 \* 8/2001 Koide ..... H01R 4/184  
439/877  
2002/0076999 A1 \* 6/2002 Chen ..... H01R 13/187  
439/851  
2002/0077001 A1 \* 6/2002 Chen ..... H01R 13/187  
439/852  
2007/0105457 A1 \* 5/2007 Machida ..... H01R 13/4367  
439/852  
2014/0141662 A1 \* 5/2014 Kutsuna ..... H01R 13/114  
439/888  
2014/0315417 A1 \* 10/2014 Wada ..... H01R 13/113  
439/357  
2015/0229092 A1 \* 8/2015 Kubodera ..... C22C 9/06  
29/874  
2015/0244106 A1 \* 8/2015 Miyakawa ..... H01R 13/113  
439/345  
2016/0087353 A1 3/2016 Endo  
2017/0040728 A1 \* 2/2017 Saito ..... H01R 13/11

\* cited by examiner

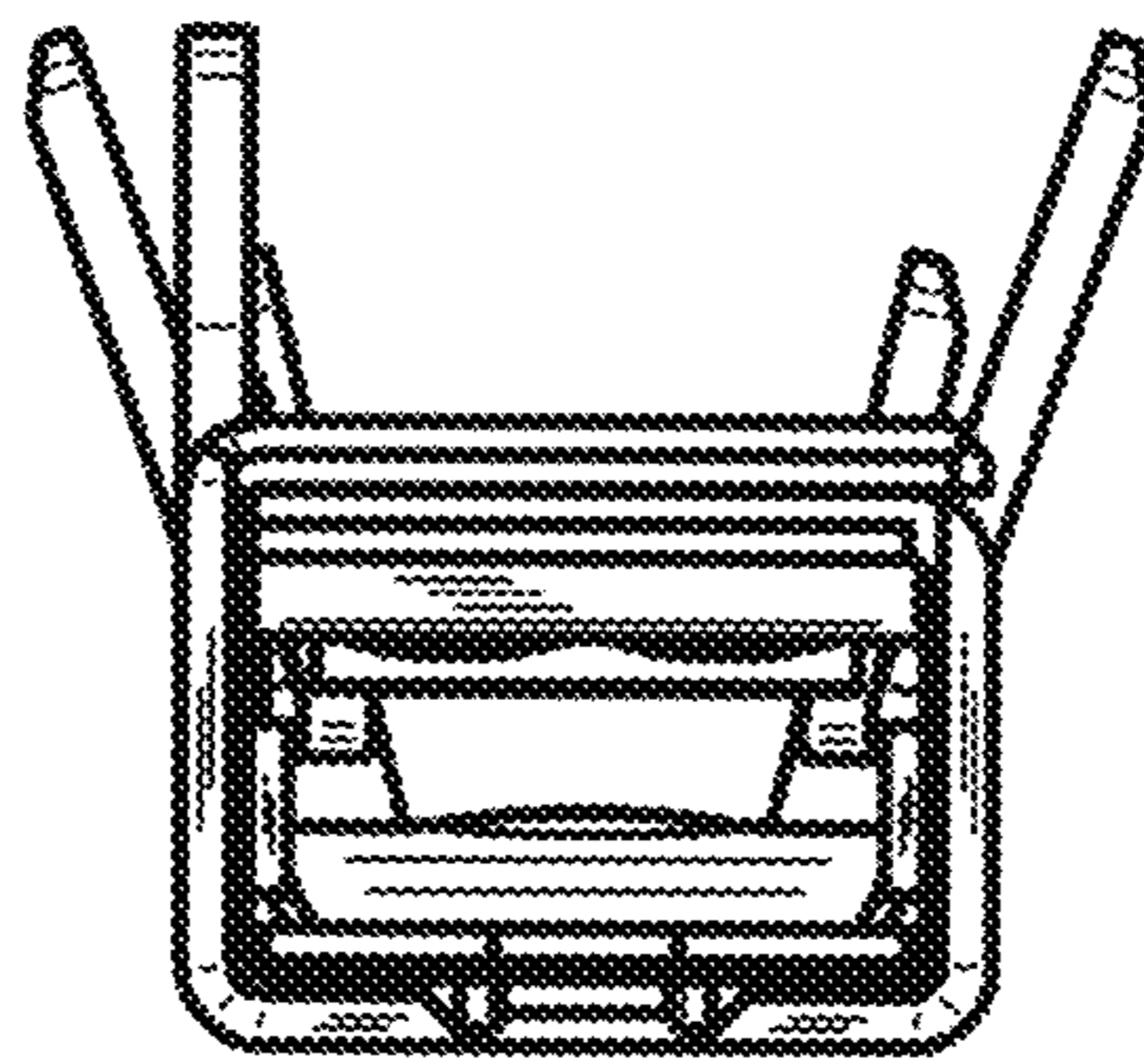


Fig. 1

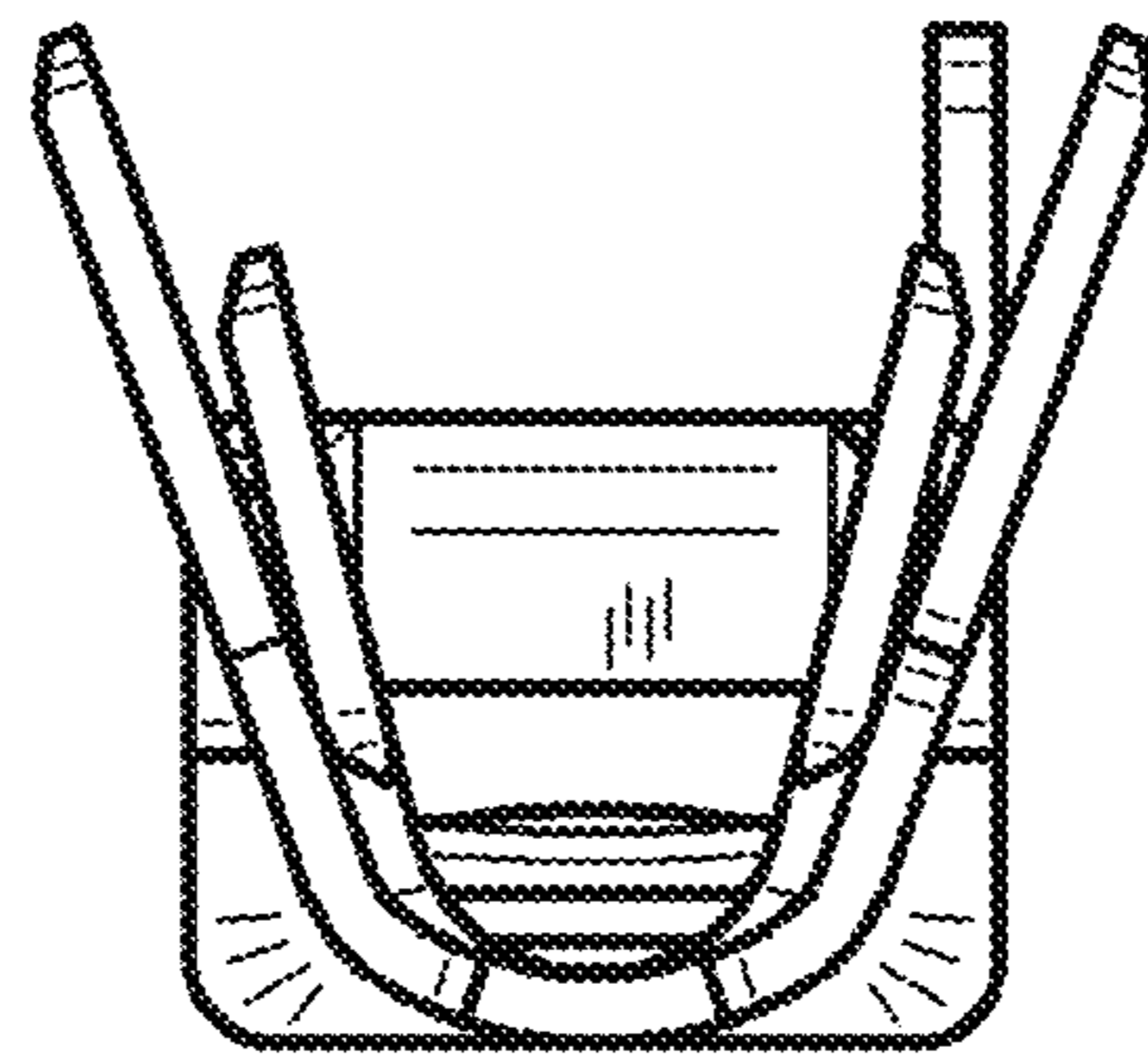


Fig. 2

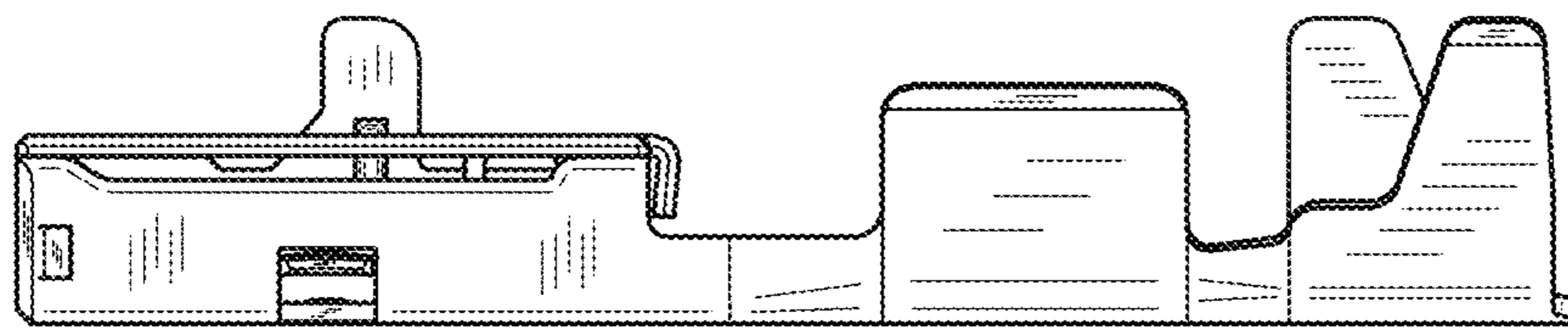


Fig. 3

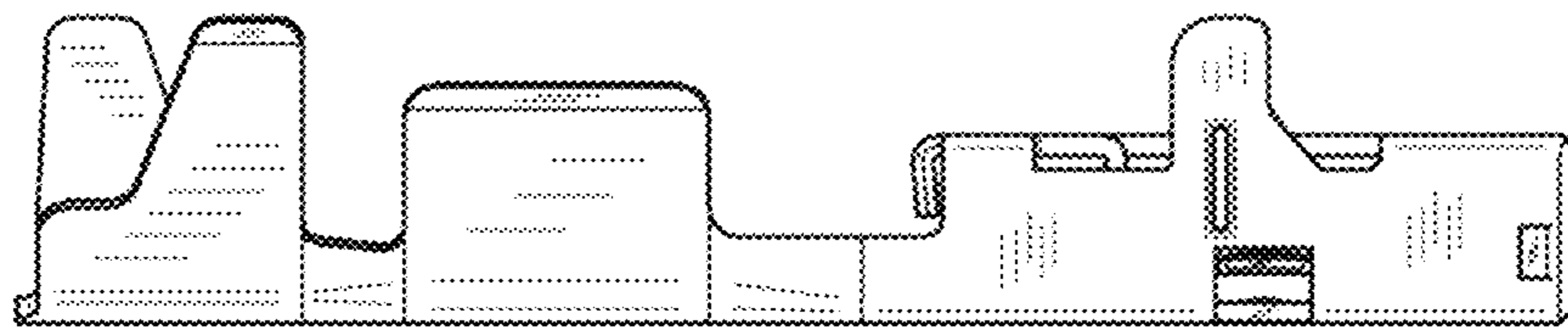


Fig. 4

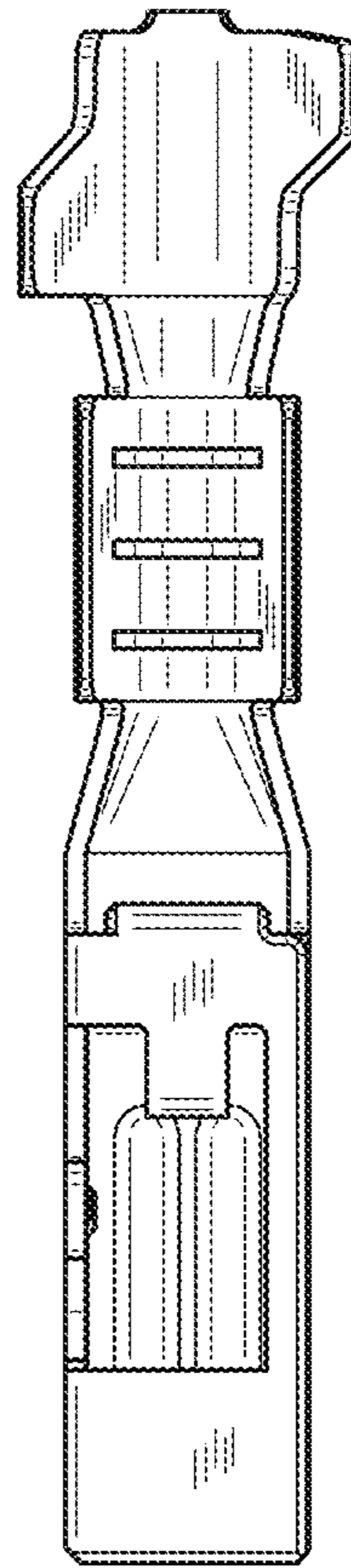


Fig. 5

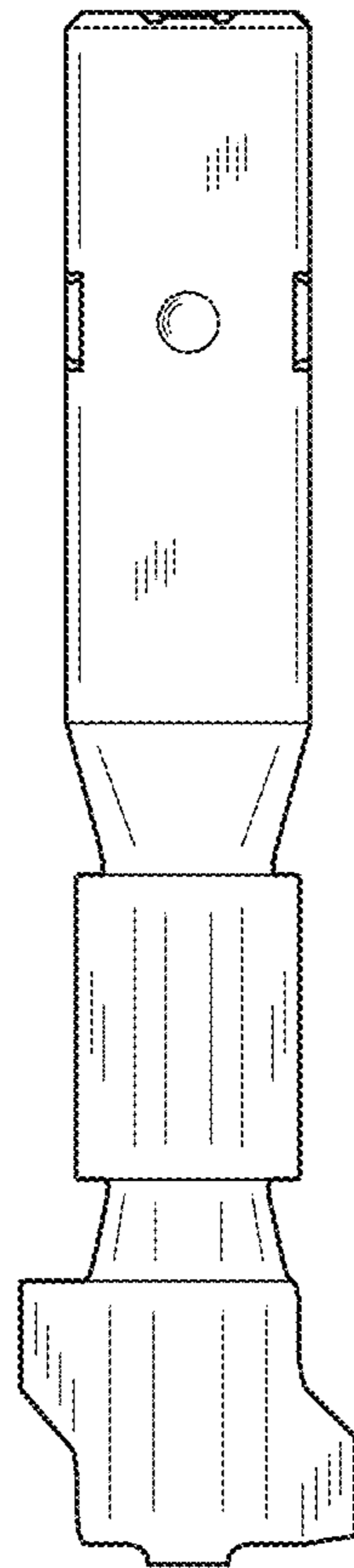


Fig. 6



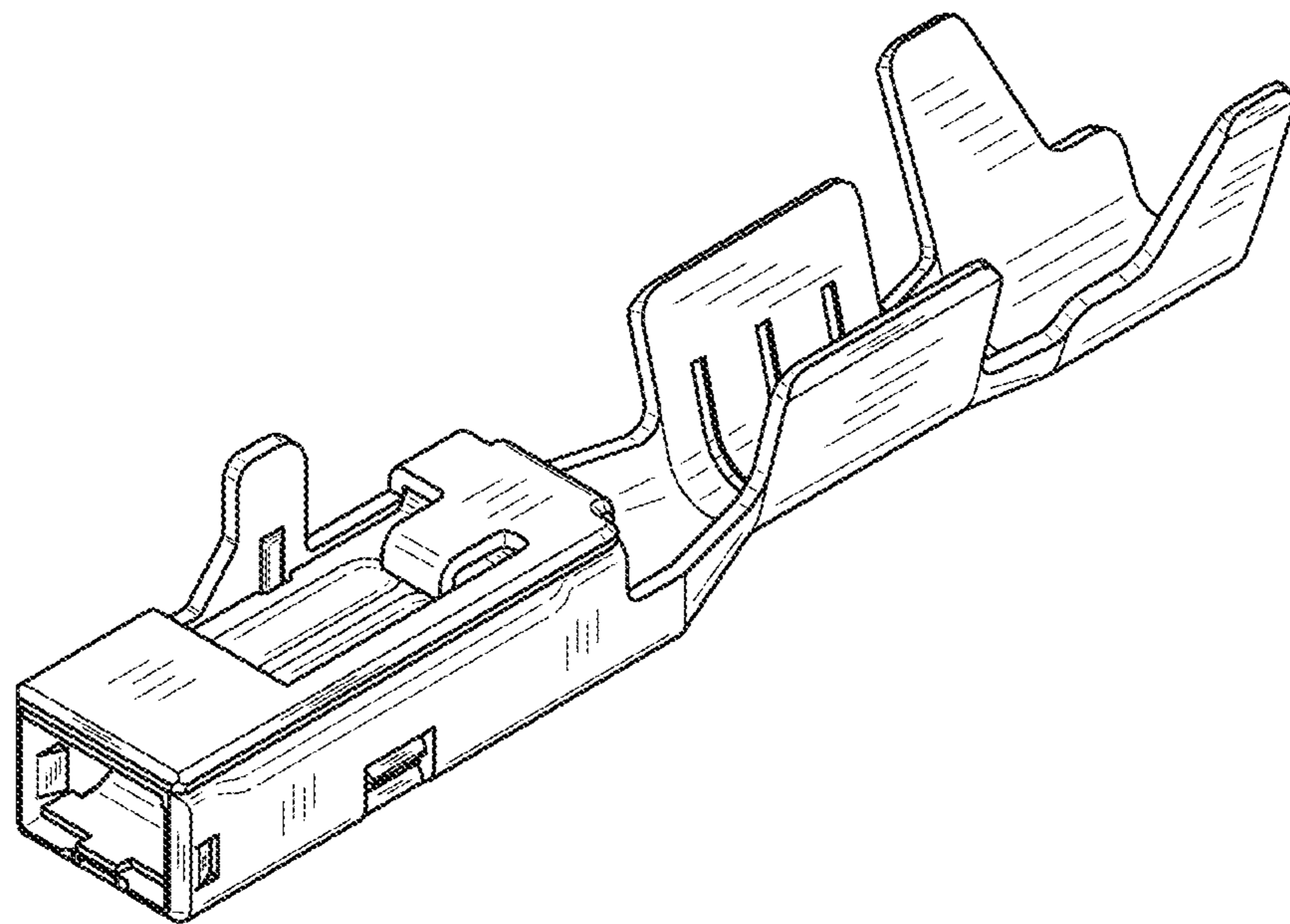


Fig. 7

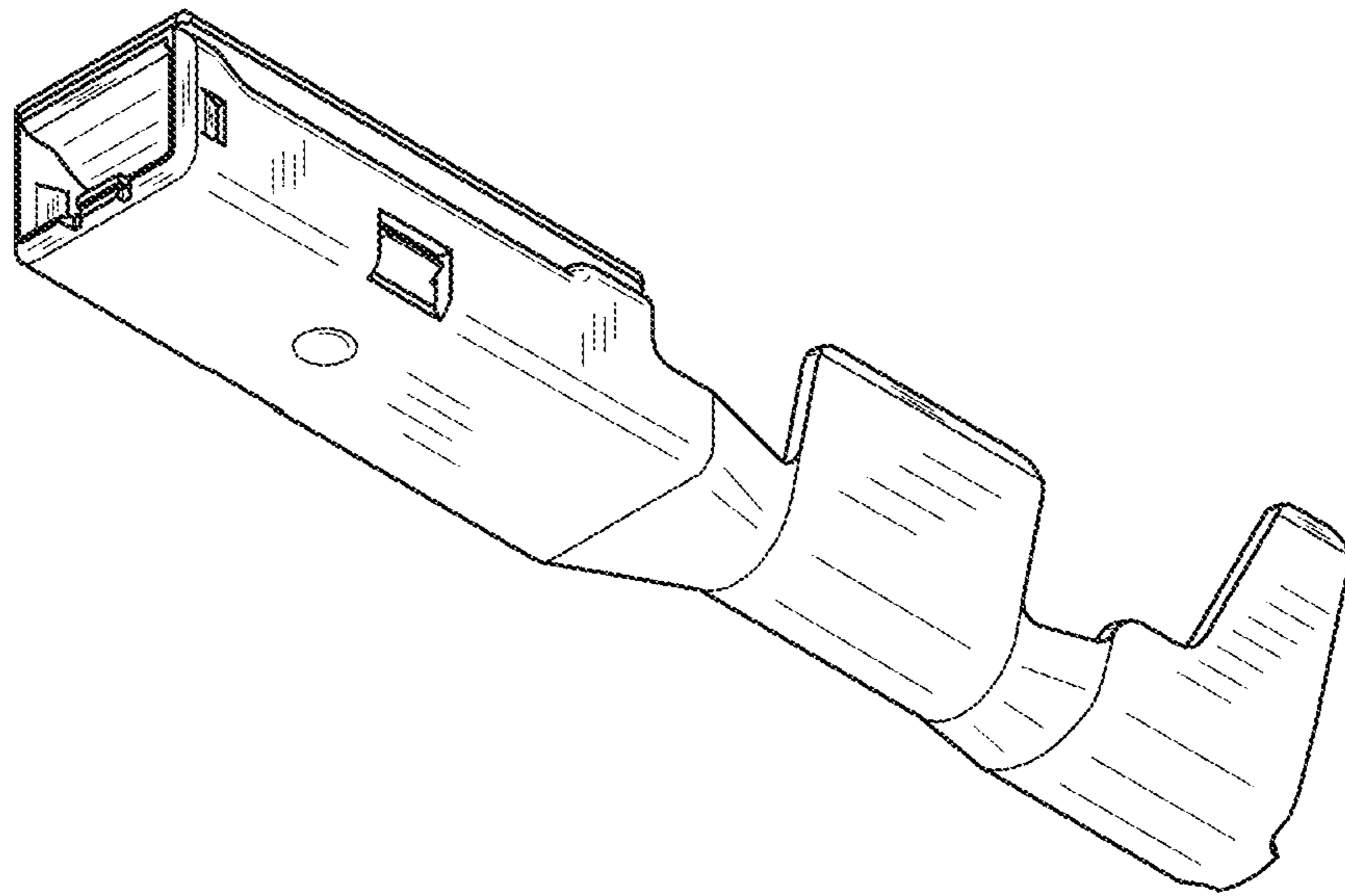


Fig. 8