



US00D834524S

(12) **United States Design Patent**  
**Yayoshi**

(10) **Patent No.:** **US D834,524 S**

(45) **Date of Patent:** **\*\* Nov. 27, 2018**

(54) **ELECTRICAL CONNECTOR**

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

(21) Appl. No.: **29/595,823**

(22) Filed: **Mar. 2, 2017**

(30) **Foreign Application Priority Data**

Sep. 7, 2016 (JP) ..... 2016-019340

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

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

(58) **Field of Classification Search**  
USPC ..... D13/118, 120, 123, 133, 146, 147, 149,  
D13/154, 173, 184, 199; D14/432, 433,  
D14/435, 435.1, 436, 437, 438

CPC ..... H01R 12/00; H01R 12/50; H01R 12/52;  
H01R 12/57; H01R 12/62; H01R 12/65;  
H01R 12/70; H01R 12/71; H01R 12/73;  
H01R 13/02; H01R 13/04; H01R 13/52;

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D539,225 S 3/2007 Kishi  
D540,263 S \* 4/2007 Kishi ..... D13/147  
D578,481 S \* 10/2008 Lee ..... D13/147

(Continued)

**OTHER PUBLICATIONS**

Office Action for U.S. Appl. No. 29/595,833 dated Apr. 5, 2018,  
11pg.

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Maier & Neustadt, L.L.P.

(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;

FIG. 2 is a rear elevational view thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a left side elevational view thereof;

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

FIG. 8 is a front, bottom, and right side perspective view  
thereof;

FIG. 9 is an enlarged view showing a portion of FIG. 1  
defined by line 9-9;

FIG. 10 is an enlarged view showing a portion of FIG. 3  
defined by line 10-10;

FIG. 11 is an enlarged view showing a portion of FIG. 4  
defined by line 11-11;

FIG. 12 is an enlarged right side elevational view thereof;

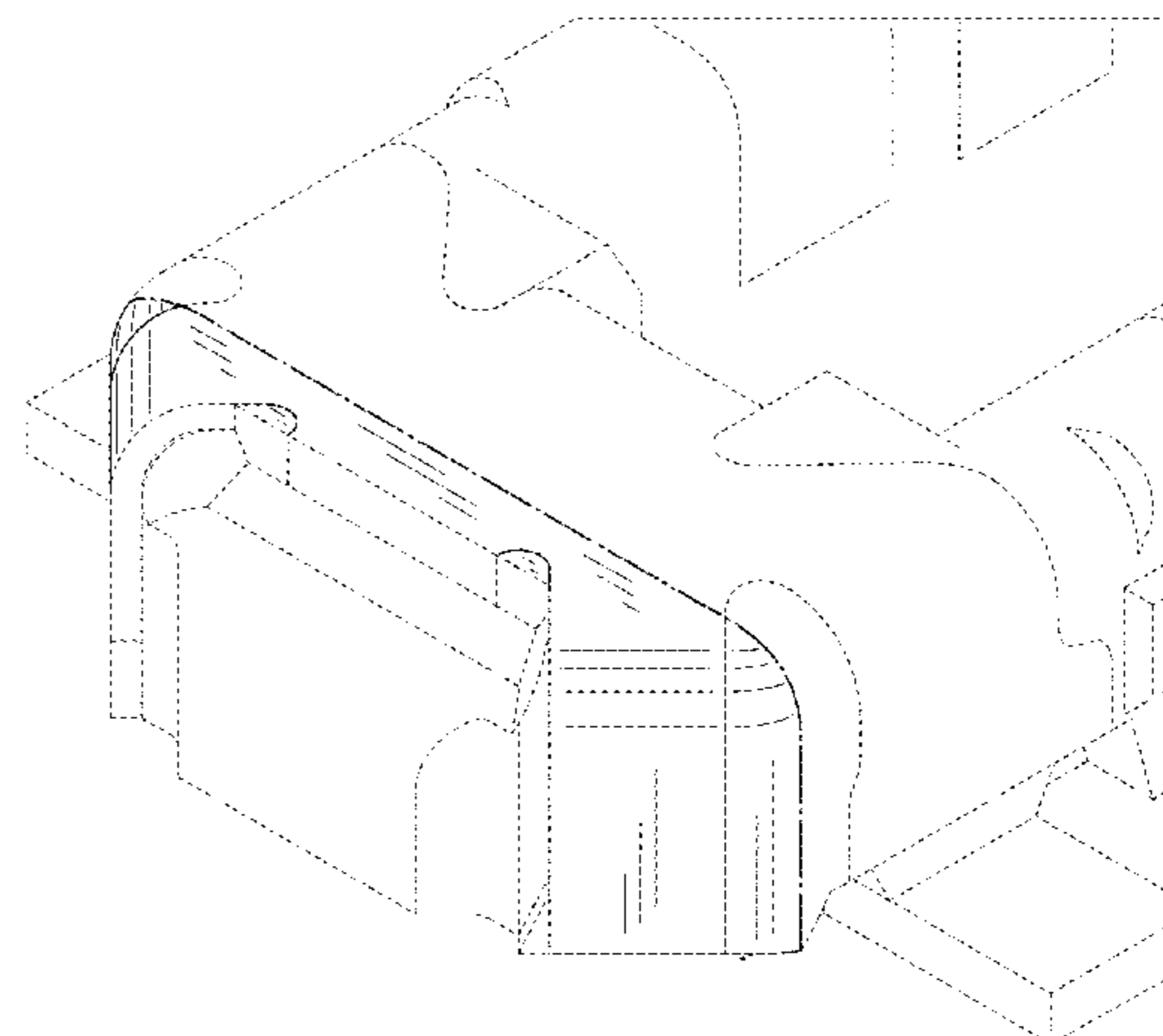
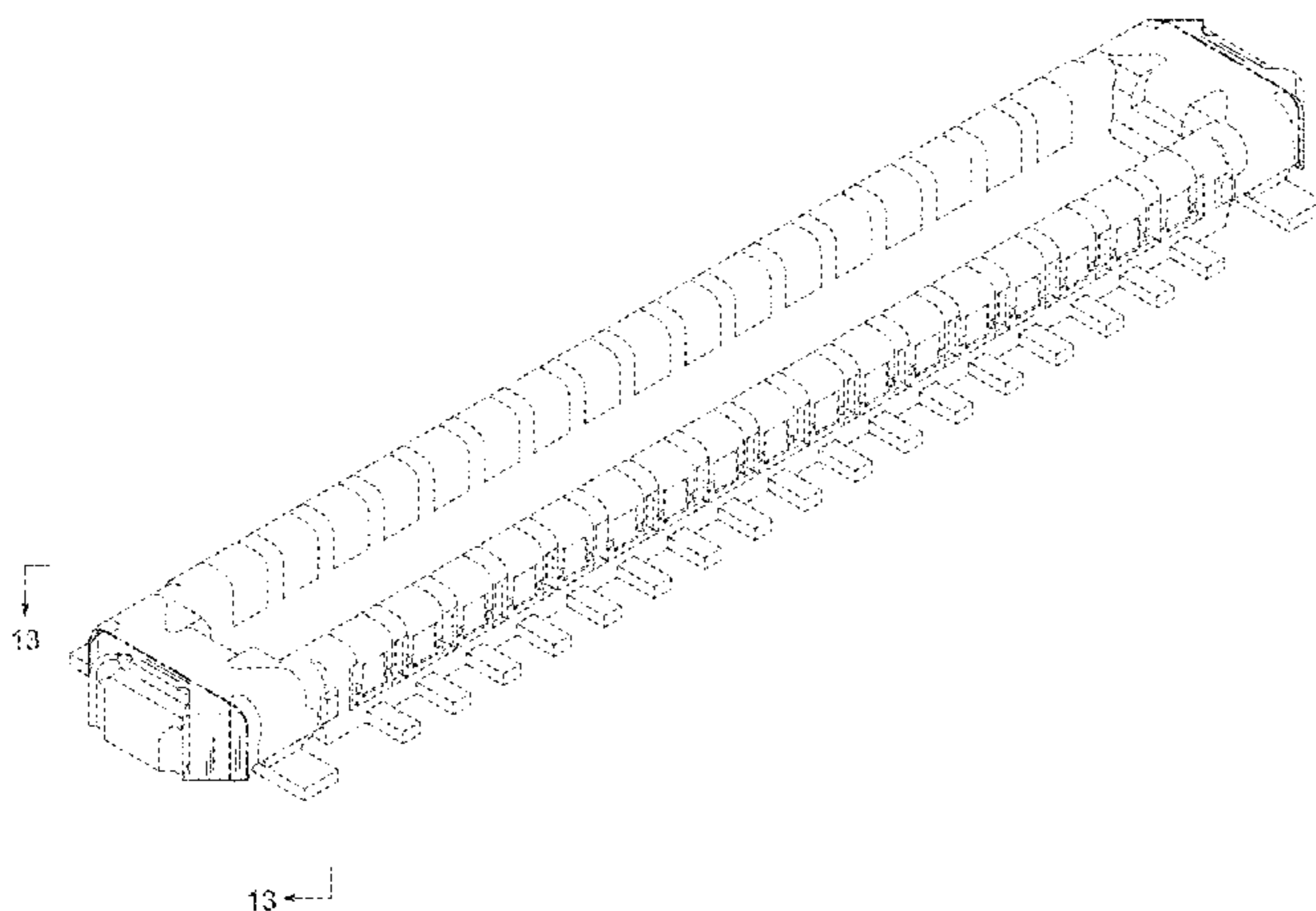
FIG. 13 is an enlarged view showing a portion of FIG. 7  
defined by line 13-13;

FIG. 14 is an enlarged view showing a portion of FIG. 8  
defined by line 14-14; and,

FIG. 15 is an enlarged cross-sectional view along the line  
15-15 in FIG. 10.

The evenly-dashed broken lines in the drawings illustrate the  
portions of the design that form no part of the claim. The  
dot-dash broken lines in the drawings represent the bounds  
of the claimed subject matter, the dot-dash lines, themselves  
forming no part thereof.

**1 Claim, 15 Drawing Sheets**



(58) **Field of Classification Search**  
 CPC ..... H01R 13/62; H01R 13/627; H01R 13/65;  
 H01R 24/00; H01R 24/28  
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D582,858 S 12/2008 Hoshino  
 D598,863 S \* 8/2009 Hoshino ..... D13/147  
 D695,692 S 12/2013 Takenaga  
 D720,298 S 12/2014 Takenaga  
 D722,974 S 2/2015 Ueda  
 D723,471 S 3/2015 Miyazaki  
 D735,674 S 8/2015 Miyazaki  
 D739,825 S \* 9/2015 Omodachi ..... D13/147  
 D774,462 S \* 12/2016 Omodachi ..... D13/147  
 D795,813 S 8/2017 Goto  
 D797,677 S 9/2017 Ozeki  
 D811,344 S 2/2018 Ozeki  
 9,887,473 B2 \* 2/2018 Lee ..... H01R 12/716  
 2006/0264074 A1 11/2006 Chang  
 2008/0268711 A1 10/2008 Miyazaki

2010/0221928 A1\* 9/2010 Sato ..... H01R 13/20  
 439/74  
 2013/0012074 A1\* 1/2013 Mashiyama ..... H01R 12/73  
 439/660  
 2013/0137304 A1 5/2013 Huang  
 2013/0137307 A1 5/2013 Huang  
 2013/0137308 A1 5/2013 Chiang  
 2015/0079818 A1\* 3/2015 Ozeki ..... H01R 12/73  
 439/81  
 2015/0079853 A1 3/2015 Tsai  
 2015/0140841 A1\* 5/2015 Watanabe ..... H01R 12/7011  
 439/74  
 2015/0207248 A1\* 7/2015 Takenaga ..... H01R 12/716  
 439/74  
 2015/0214643 A1\* 7/2015 Lee ..... H01R 12/7029  
 439/655  
 2015/0270641 A1\* 9/2015 Omodachi ..... H01R 12/707  
 439/374  
 2015/0380845 A1 12/2015 Goto  
 2016/0141783 A1\* 5/2016 Hirakawa ..... H01R 12/7076  
 439/66  
 2016/0268715 A1\* 9/2016 Kodaira ..... H01R 12/716  
 2017/0271813 A1\* 9/2017 Ge ..... H01R 13/6275  
 2018/0069331 A1\* 3/2018 Hirakawa ..... H01R 12/716

\* cited by examiner

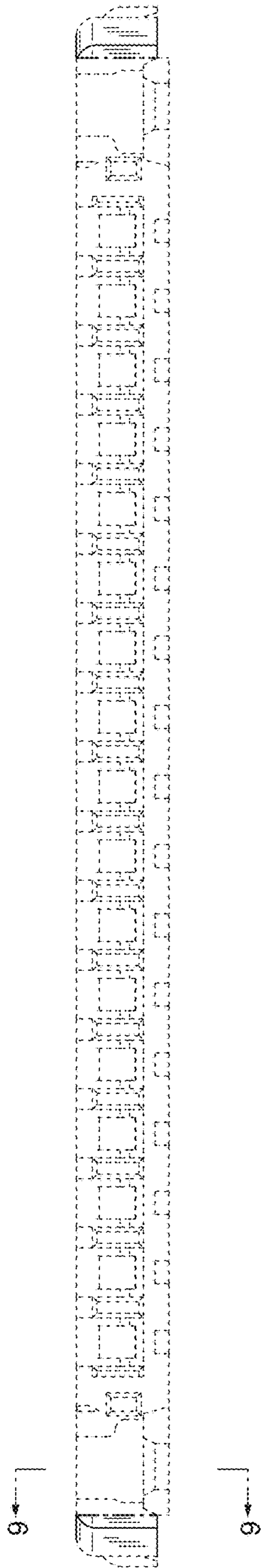


FIG. 1

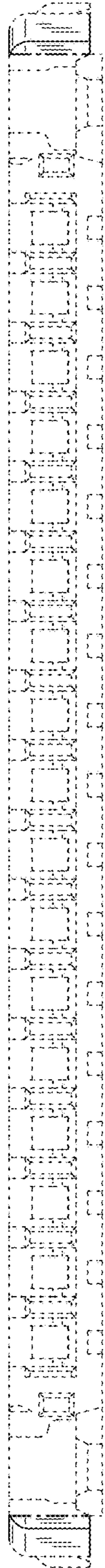


FIG. 2

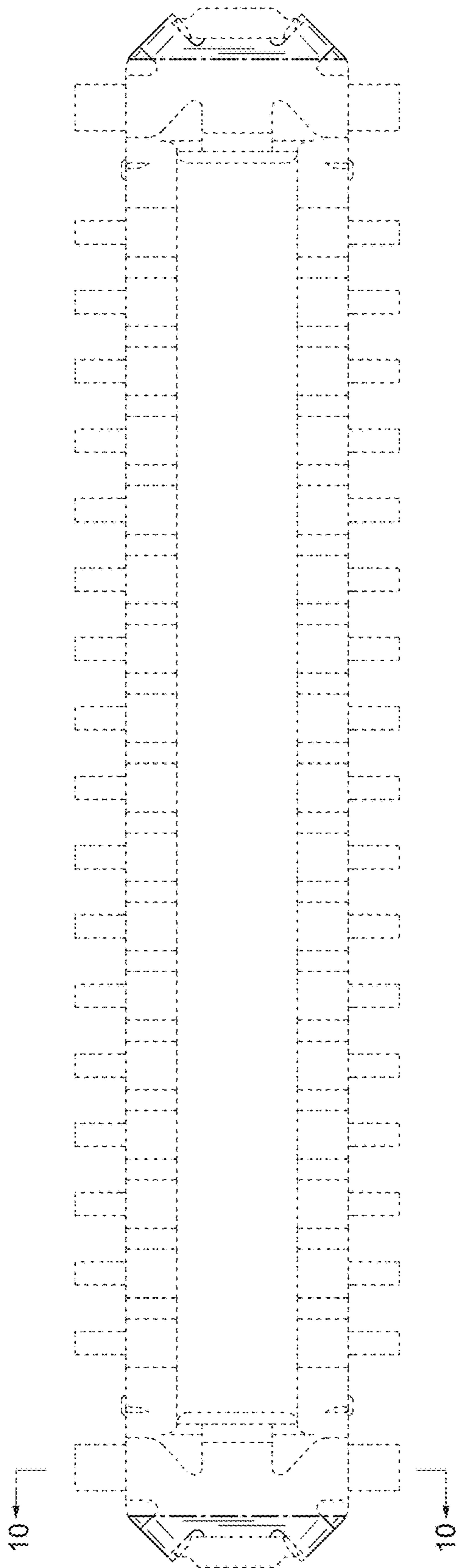


FIG. 3

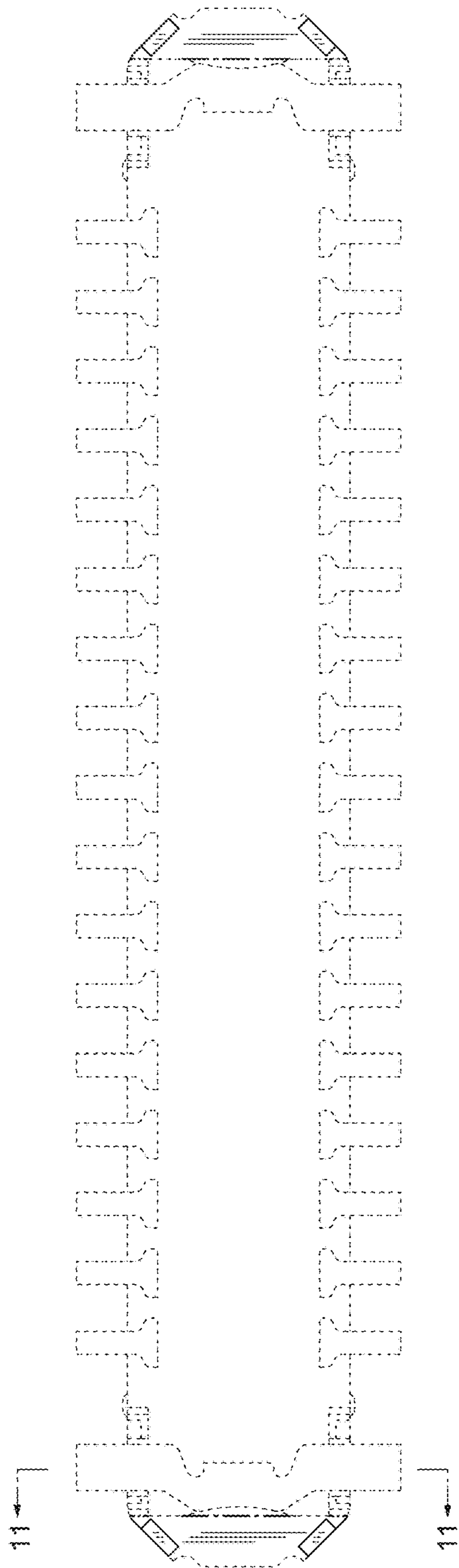


FIG. 4

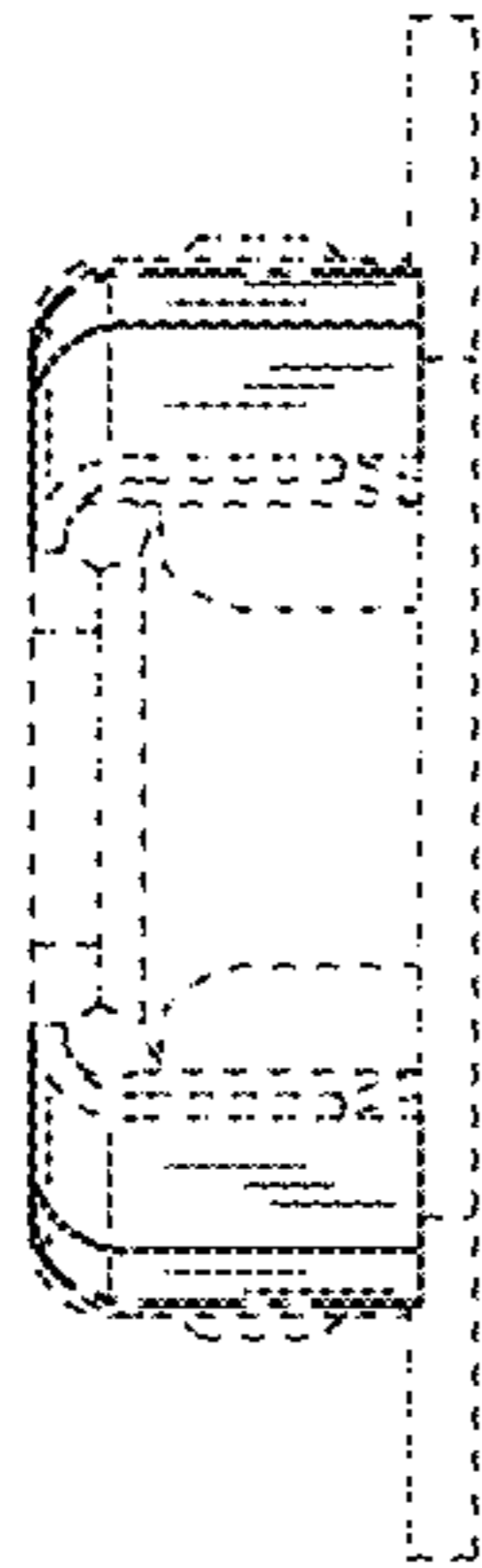


FIG. 5

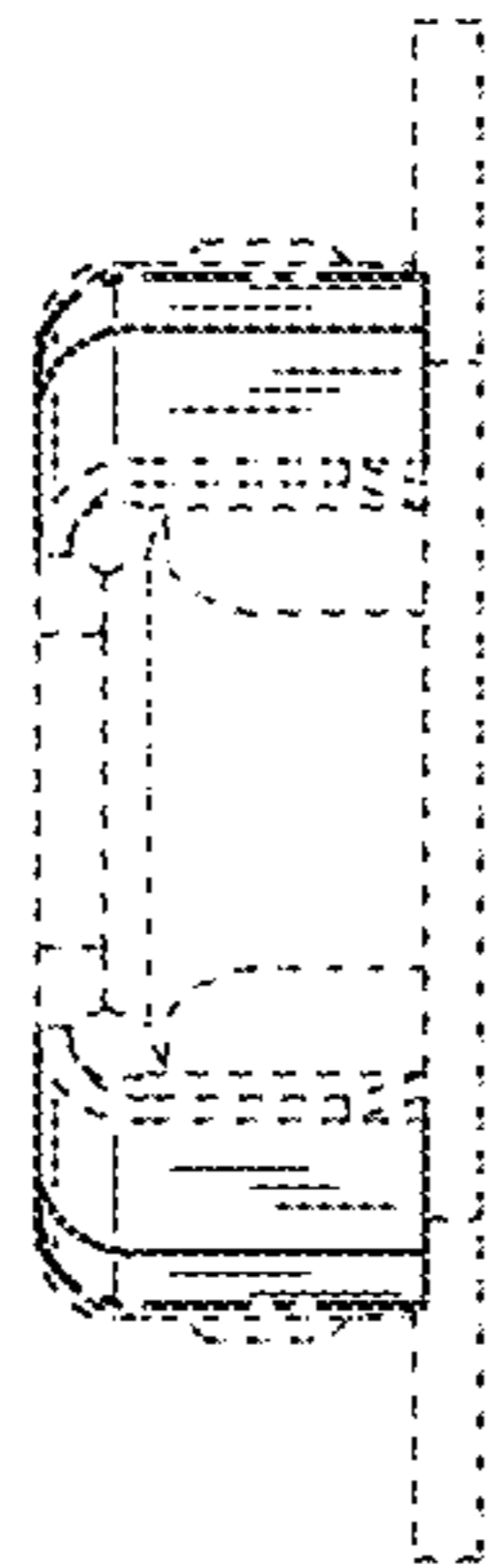


FIG. 6



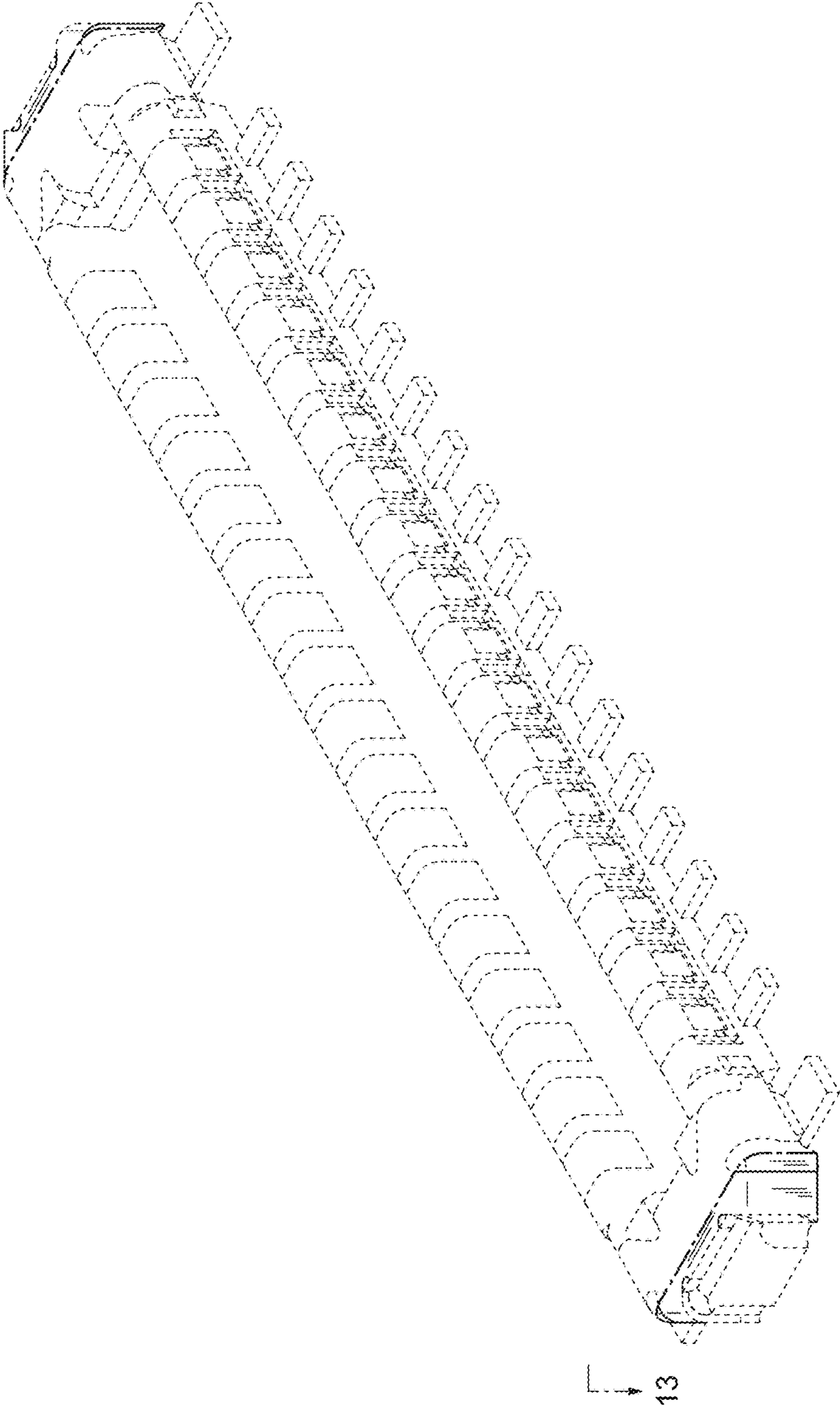


FIG. 7

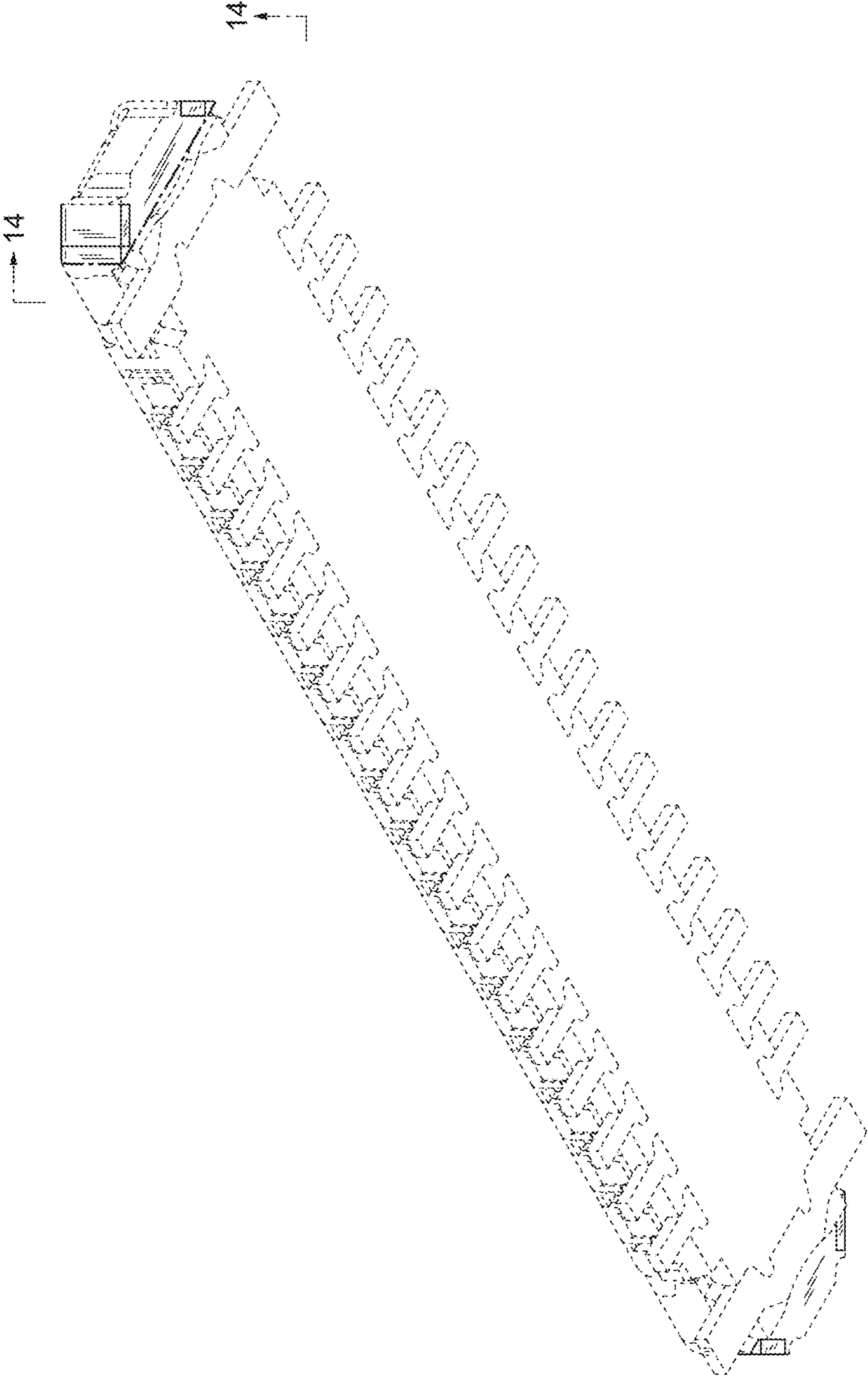


FIG. 8

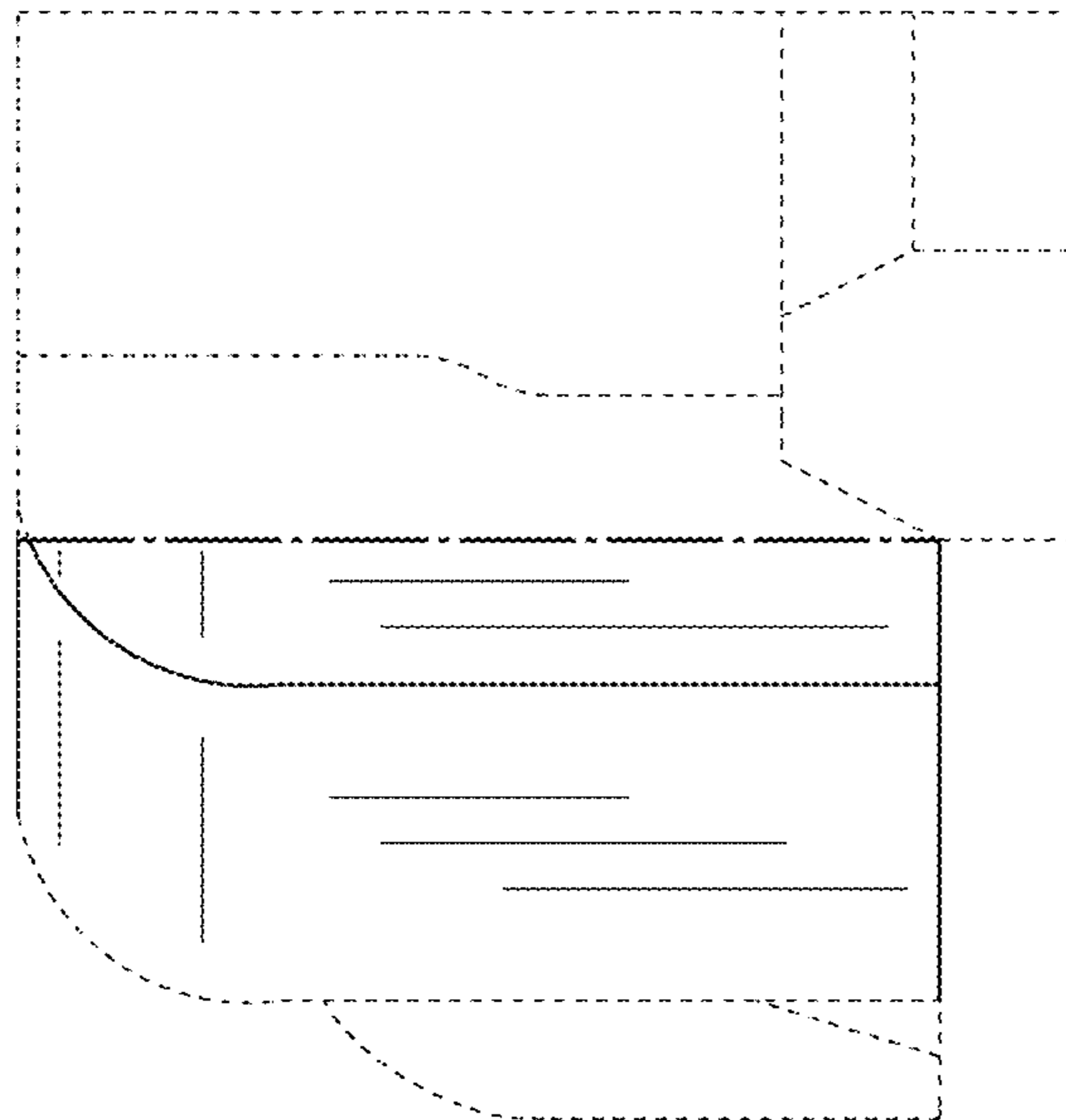


FIG. 9

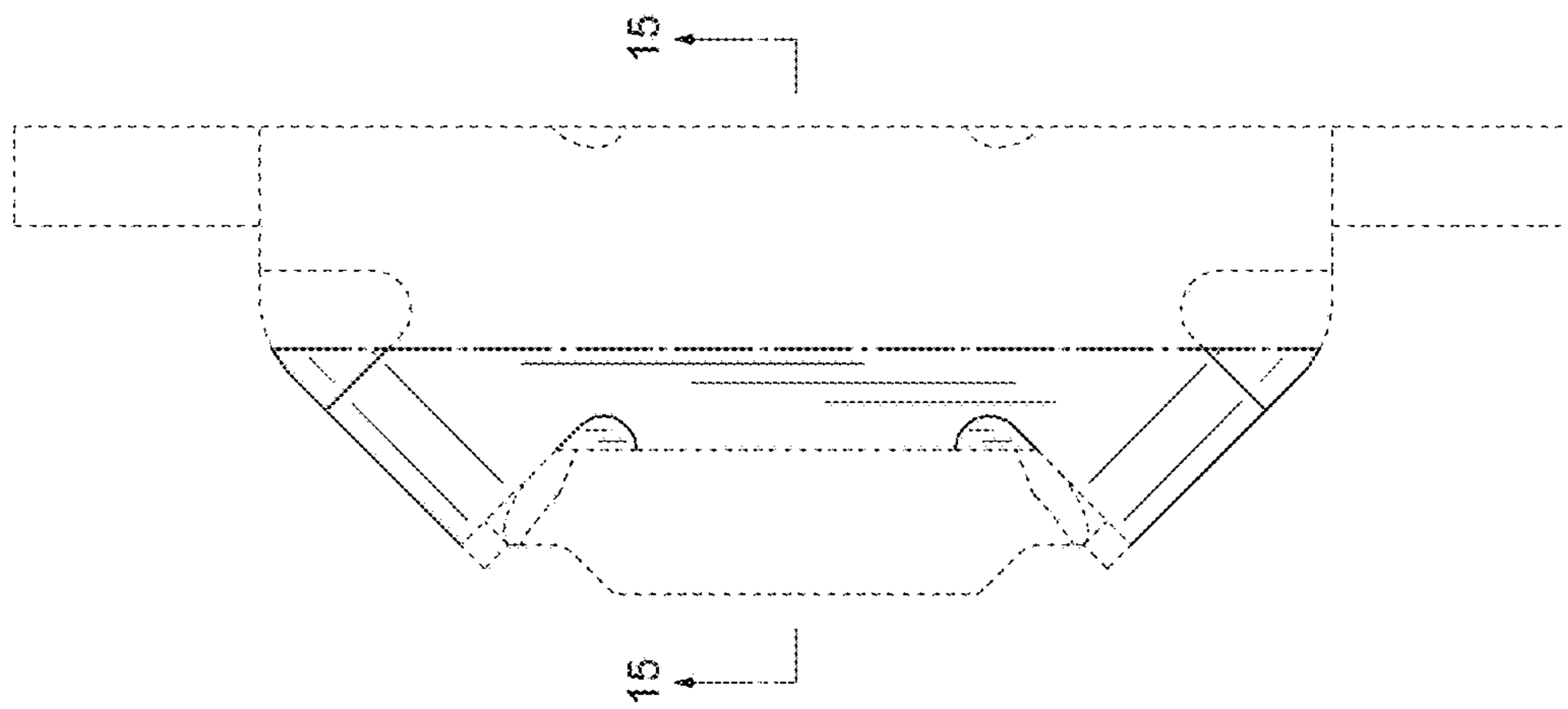


FIG. 10

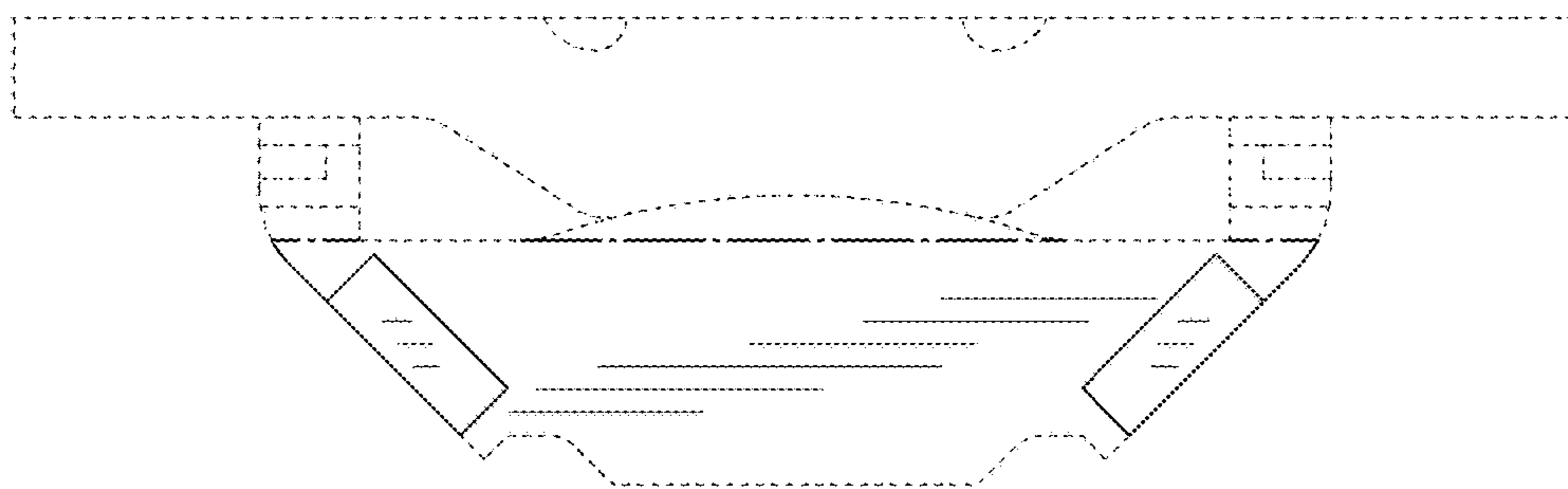


FIG. 11

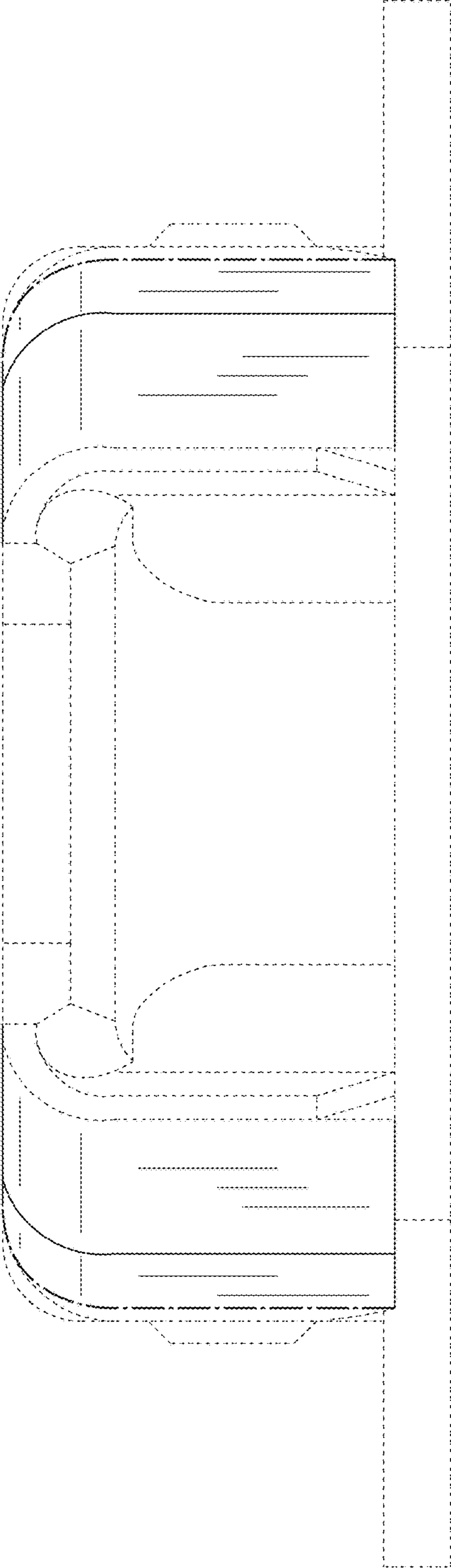


FIG. 12

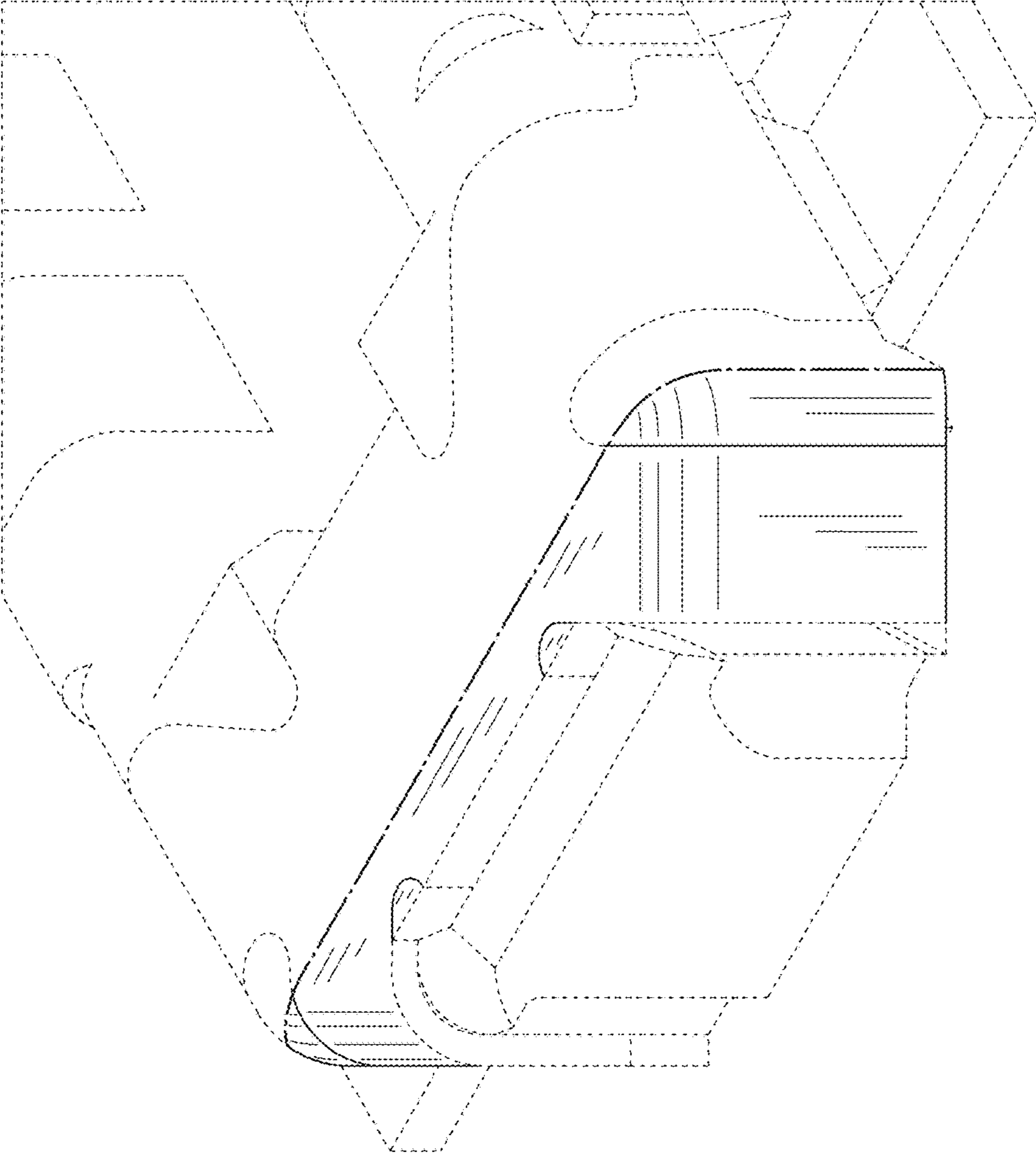


FIG. 13

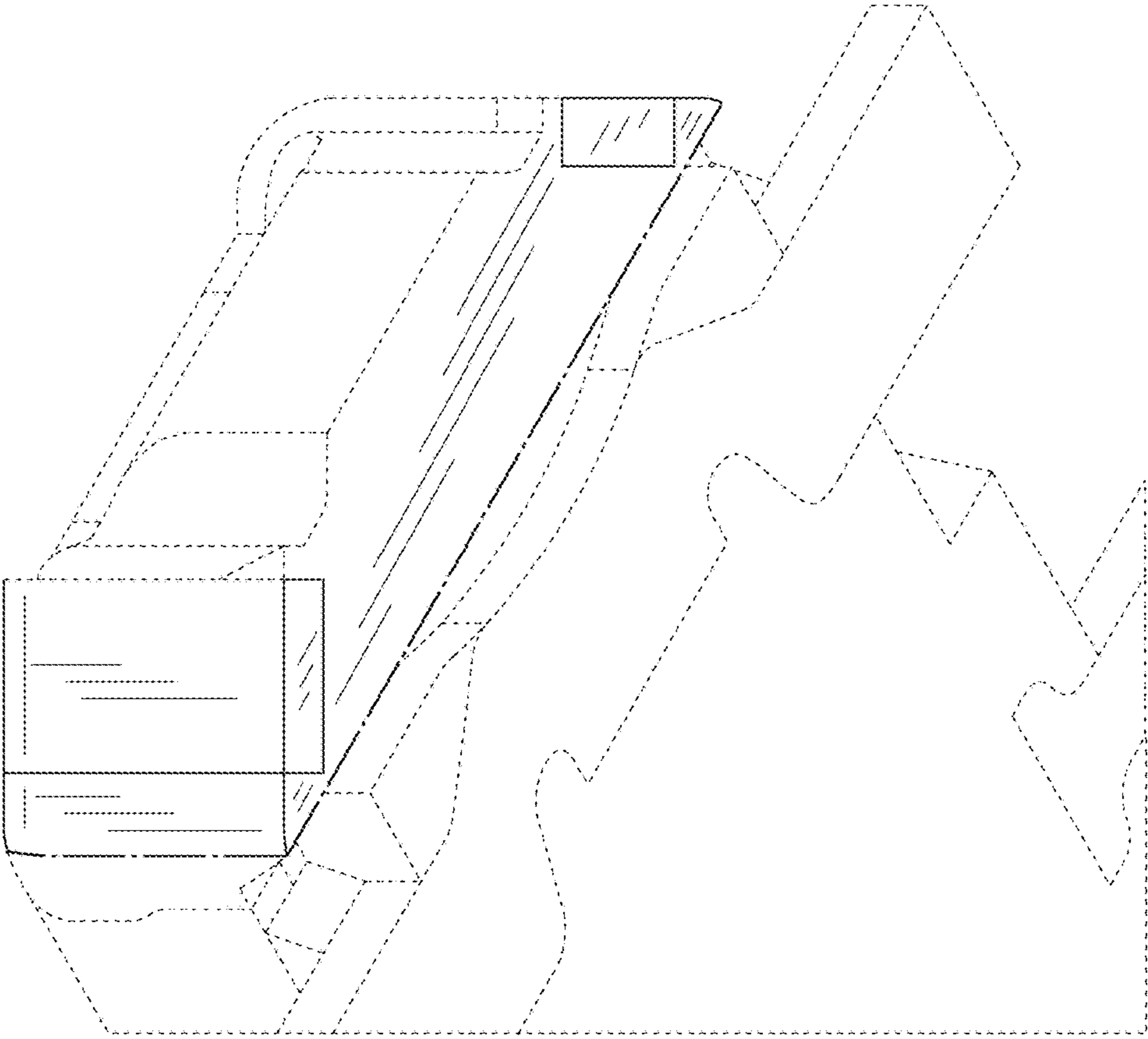


FIG. 14



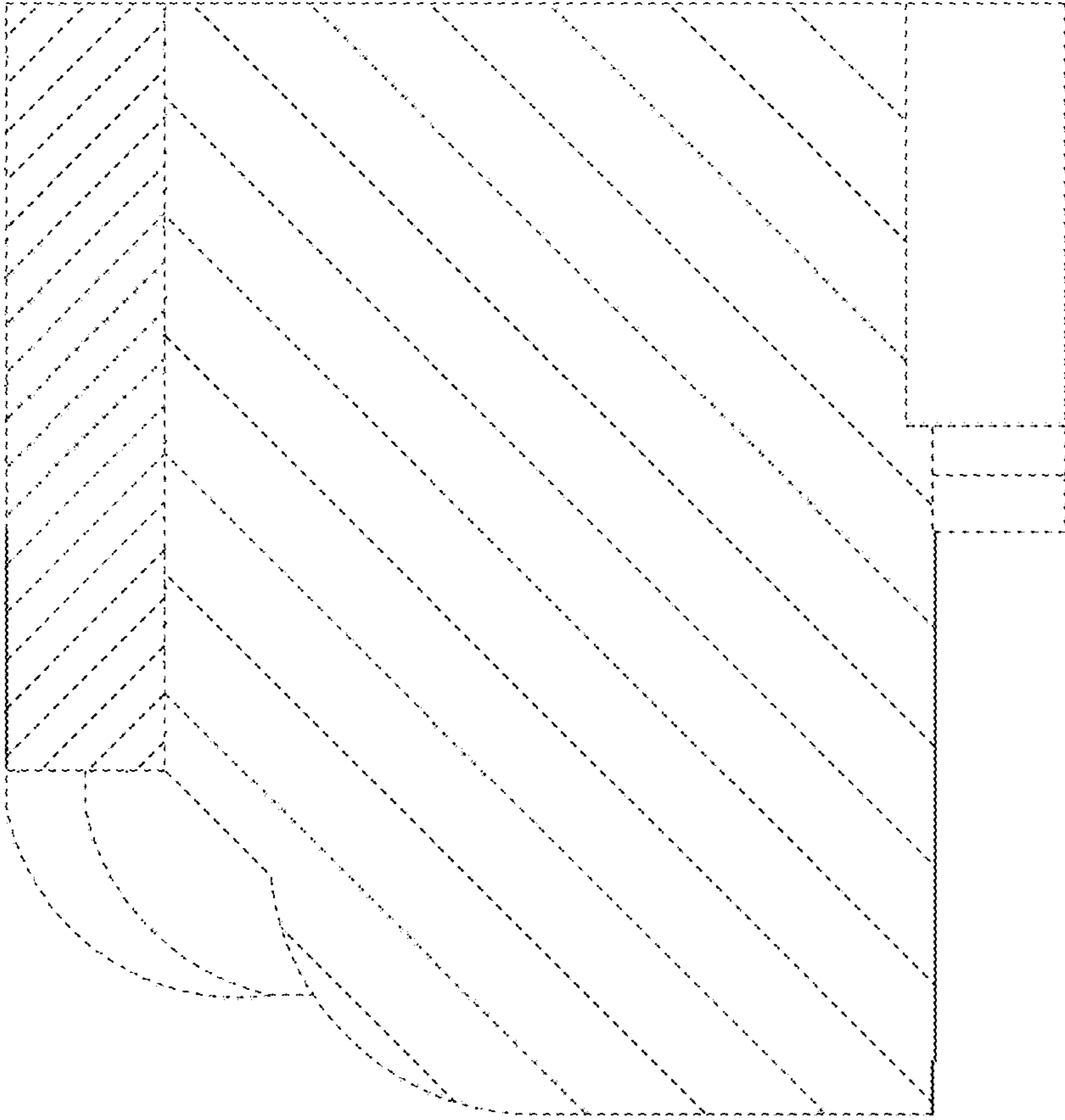


FIG. 15