



US00D831844S

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

(10) **Patent No.:** **US D831,844 S**  
(45) **Date of Patent:** **\*\* Oct. 23, 2018**

(54) **CUVETTE TRAY**

(71) Applicant: **BD Kiestra B.V.**, Drachten (NL)  
(72) Inventors: **Brian Reuben Langhoff**, Julian, NC (US); **William Alan Fox**, Lake Wylie, SC (US); **Kerry Lynn Smith**, York, PA (US); **Stefan Campbell Dehaseth**, Baltimore, MD (US)

(73) Assignee: **BD Kiestra B.V.** (NL)

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

(21) Appl. No.: **29/627,910**

(22) Filed: **Nov. 30, 2017**

**Related U.S. Application Data**

(62) Division of application No. 29/540,911, filed on Sep. 29, 2015, now Pat. No. Des. 810,959.

(51) **LOC (11) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/224**

(58) **Field of Classification Search**

USPC ..... D24/216, 223-230; D3/203.1, 203.3; D7/553.1, 553.7, 554.3; D9/760

CPC ..... A61B 1/00142; A61B 1/0055; A61B 1/00071; A61B 1/00073; A61B 1/267; A61B 17/3415; A61B 6/032; A61F 11/002; A61M 16/04; A61M 16/0488; B01D 9/00; B01L 3/021; B01L 3/0217; B01L 3/0224; B01L 3/0234; B01L 3/0227; B01L 3/0275; B01L 3/0279; B01L 3/06; B01L 3/502; B01L 3/5025; B01L 3/508; B01L 3/5021; B01L 3/50215; B01L 3/5023; B01L 3/5082; B01L 3/50825; B01L 3/5083; B01L

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,627,432 A 12/1971 Bergmann  
3,759,374 A 9/1973 Helger et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

EP 0661532 A2 7/1995  
EP 1909094 A1 4/2008

(Continued)

**OTHER PUBLICATIONS**

International Search Report for Application No. PCT/IB2015/002072 dated Apr. 20, 2016.

*Primary Examiner* — Ian Simmons

*Assistant Examiner* — Mark Cavanna

(74) *Attorney, Agent, or Firm* — Lerner, David, Littenberg, Krumholz & Mentlik, LLP

(57) **CLAIM**

The ornamental design for a cuvette tray, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a cuvette tray showing our new design;

FIG. 2 is a bottom perspective view thereof;

FIG. 3 is a front elevation view thereof;

FIG. 4 is a rear elevation view thereof;

FIG. 5 is a right side elevation view thereof;

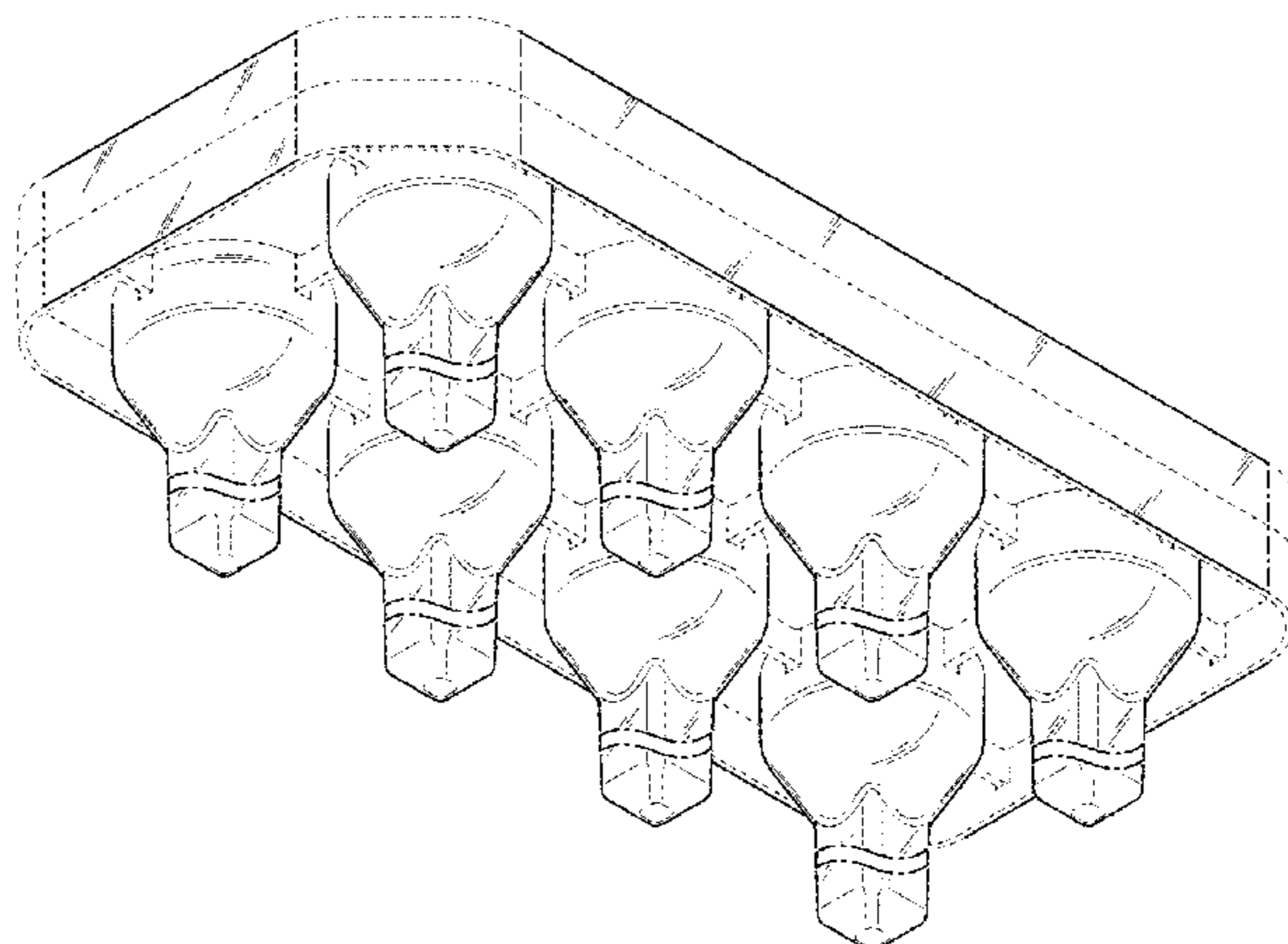
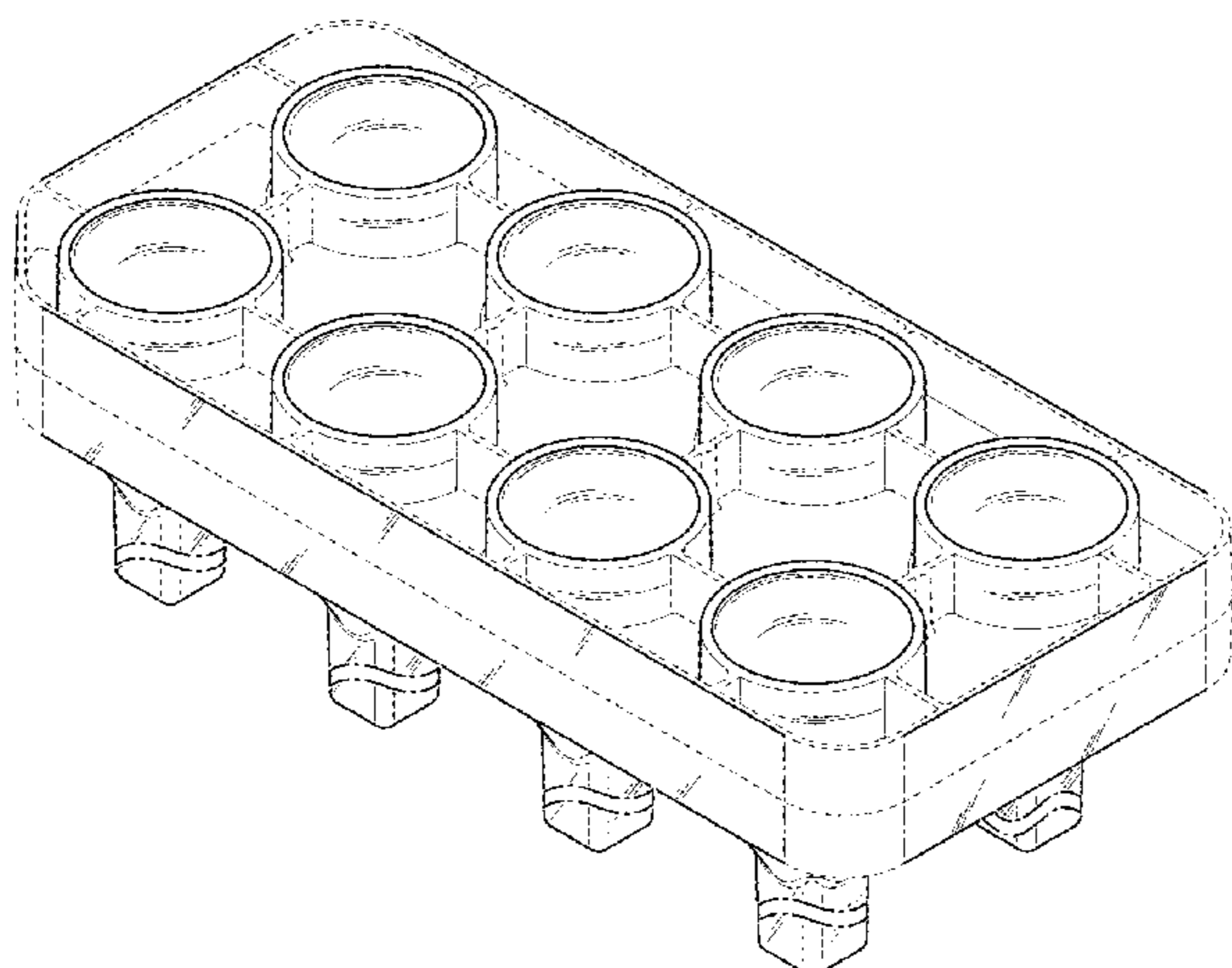
FIG. 6 is a left side elevation view thereof;

FIG. 7 is a top plan view thereof; and,

FIG. 8 is a bottom plan view thereof.

The broken lines illustrate unclaimed portions of the cuvette tray and form no part of the claimed design. The dot-dash broken lines represent unclaimed boundaries and form no part of the claimed design. The symbolic break in the length of each cuvette tray element indicates that any portion of the article between the break lines forms no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(58) **Field of Classification Search**  
 CPC .... 3/5085; B01L 3/50855; B01L 3/545; B01L  
 3/5453; B01L 9/06; B01L 9/543; B04B  
 5/0414; B65D 1/34; B65D 1/36; G01N  
 21/03; G01N 21/05; G01N 21/0303;  
 G01N 21/0332; G01N 21/07; G01N  
 21/13; G01N 21/76; G01N 21/253; G01N  
 33/80  
 See application file for complete search history.

(56) **References Cited**  
 U.S. PATENT DOCUMENTS

3,869,214 A 3/1975 Egli et al.  
 D246,466 S 11/1977 Attree et al.  
 4,123,173 A 10/1978 Bullock et al.  
 4,126,418 A 11/1978 Krasnow  
 4,195,060 A 3/1980 Terk  
 4,198,484 A 4/1980 Reichler et al.  
 D257,175 S 9/1980 Terk  
 4,226,531 A 10/1980 Tiffany et al.  
 4,251,159 A 2/1981 White  
 D260,428 S \* 8/1981 Fekete ..... D24/226  
 4,332,471 A 6/1982 Gross  
 D266,588 S 10/1982 Mellars  
 4,373,812 A 2/1983 Stein et al.  
 D271,993 S 12/1983 Swartz  
 D274,553 S 7/1984 Perry  
 D277,891 S 3/1985 Uffenheimer et al.  
 D280,663 S 9/1985 Albon et al.  
 4,560,269 A 12/1985 Baldszun et al.  
 D283,050 S 3/1986 Godsey  
 D283,162 S 3/1986 Godsey  
 D283,728 S 5/1986 Aihara  
 4,639,135 A 1/1987 Borer et al.  
 4,685,880 A 8/1987 Meguro et al.  
 D299,955 S 2/1989 Kendrick, Sr.  
 4,824,791 A 4/1989 Ekholm et al.  
 D303,837 S 10/1989 Albert  
 5,073,346 A 12/1991 Partanen et al.  
 5,096,672 A 3/1992 Tervamaki et al.  
 5,098,661 A 3/1992 Froehlich et al.  
 5,130,105 A 7/1992 Carter et al.  
 5,147,609 A \* 9/1992 Grenner ..... B01L 3/5023  
 422/401  
 D330,428 S 10/1992 Lewis et al.  
 D332,834 S 1/1993 Hanna et al.  
 D338,965 S 8/1993 Glanz et al.  
 D343,905 S 2/1994 Nagata et al.  
 D344,138 S 2/1994 Nagata  
 5,292,484 A 3/1994 Kelln et al.  
 5,331,177 A 7/1994 Kubisiak et al.  
 5,437,841 A 8/1995 Balmer  
 5,462,715 A 10/1995 Koch et al.  
 5,470,536 A 11/1995 Jarvimaki  
 5,658,532 A 8/1997 Kurosaki et al.  
 5,665,558 A \* 9/1997 Frame ..... G01N 33/491  
 422/534  
 5,700,429 A \* 12/1997 Buhler ..... B01L 9/06  
 206/443  
 5,788,928 A \* 8/1998 Carey ..... B01F 13/0016  
 206/219  
 D401,700 S 11/1998 Gray et al.

5,948,691 A \* 9/1999 Ekiriwang ..... G01N 35/04  
 294/27.1  
 6,117,391 A 9/2000 Mootz et al.  
 D437,419 S 2/2001 Kraack et al.  
 6,190,619 B1 \* 2/2001 Kilcoin ..... B01L 3/5025  
 422/131  
 D438,633 S \* 3/2001 Miller ..... D24/216  
 6,719,203 B2 4/2004 Hirono et al.  
 D492,419 S \* 6/2004 Farina ..... D24/216  
 6,943,009 B2 \* 9/2005 Lacey ..... B01L 3/50853  
 422/503  
 7,138,091 B2 11/2006 Lee et al.  
 D560,816 S 1/2008 Talmer et al.  
 D596,312 S 7/2009 Giraud et al.  
 D598,566 S \* 8/2009 Allaer ..... D24/230  
 D619,728 S 7/2010 Bare et al.  
 7,787,116 B2 8/2010 Yamamoto et al.  
 D624,194 S \* 9/2010 Pack ..... D24/224  
 D624,659 S 9/2010 Nuotio  
 7,922,986 B2 \* 4/2011 Byrnard ..... G01N 35/026  
 422/561  
 7,939,036 B2 \* 5/2011 Burkhardt ..... B01L 9/06  
 422/560  
 7,943,100 B2 5/2011 Rousseau  
 D639,447 S 6/2011 Karpiloff  
 7,959,878 B2 6/2011 Rousseau  
 D652,148 S 1/2012 Matsuura  
 D669,597 S \* 10/2012 Cavada ..... D24/216  
 8,313,713 B2 11/2012 Jacobs et al.  
 D672,881 S \* 12/2012 Kraihanzel ..... D24/224  
 D673,293 S \* 12/2012 Demas ..... D24/226  
 D674,112 S \* 1/2013 Demas ..... D24/226  
 D675,338 S 1/2013 Suzuki et al.  
 8,493,559 B2 7/2013 Harvard  
 D687,566 S 8/2013 Trump  
 D687,965 S 8/2013 Trump  
 D688,385 S 8/2013 Trump  
 D709,624 S 7/2014 Baum et al.  
 8,920,754 B2 12/2014 Kim et al.  
 D728,818 S \* 5/2015 Burroughs ..... D24/230  
 9,028,753 B2 \* 5/2015 Hegazi ..... G01N 21/13  
 422/64  
 D732,186 S \* 6/2015 Burroughs ..... D24/226  
 9,046,507 B2 \* 6/2015 Knight ..... G01N 35/1011  
 9,250,256 B2 2/2016 Lukhaub et al.  
 9,341,640 B2 5/2016 Shintani et al.  
 D764,679 S 8/2016 Franciskovich et al.  
 9,612,192 B2 4/2017 Drechsler et al.  
 D792,981 S \* 7/2017 Tajima ..... D24/224  
 2002/0085959 A1 7/2002 Carey et al.  
 2007/0134135 A1 6/2007 Li et al.  
 2009/0009757 A1 1/2009 Mototsu et al.  
 2010/0150779 A1 \* 6/2010 Chow ..... G01N 35/025  
 422/64  
 2012/0156796 A1 6/2012 Drechsler et al.  
 2014/0050619 A1 2/2014 Meller  
 2014/0090465 A1 4/2014 Behnk  
 2014/0146313 A1 5/2014 Trainoff et al.  
 2015/0036121 A1 2/2015 Kurowski et al.

FOREIGN PATENT DOCUMENTS

EP 2466291 A1 6/2012  
 WO 2013004674 A1 1/2013

\* cited by examiner



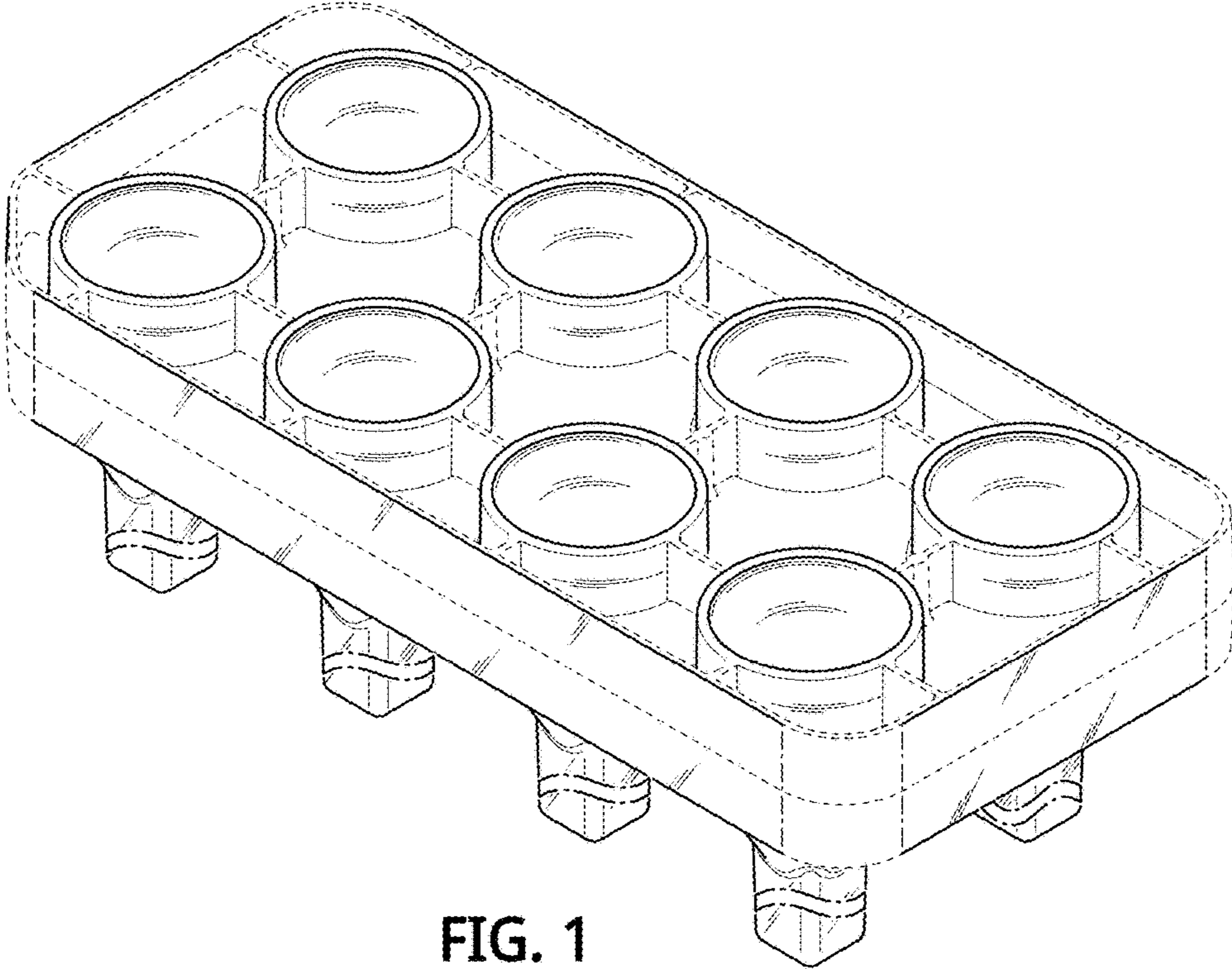


FIG. 1

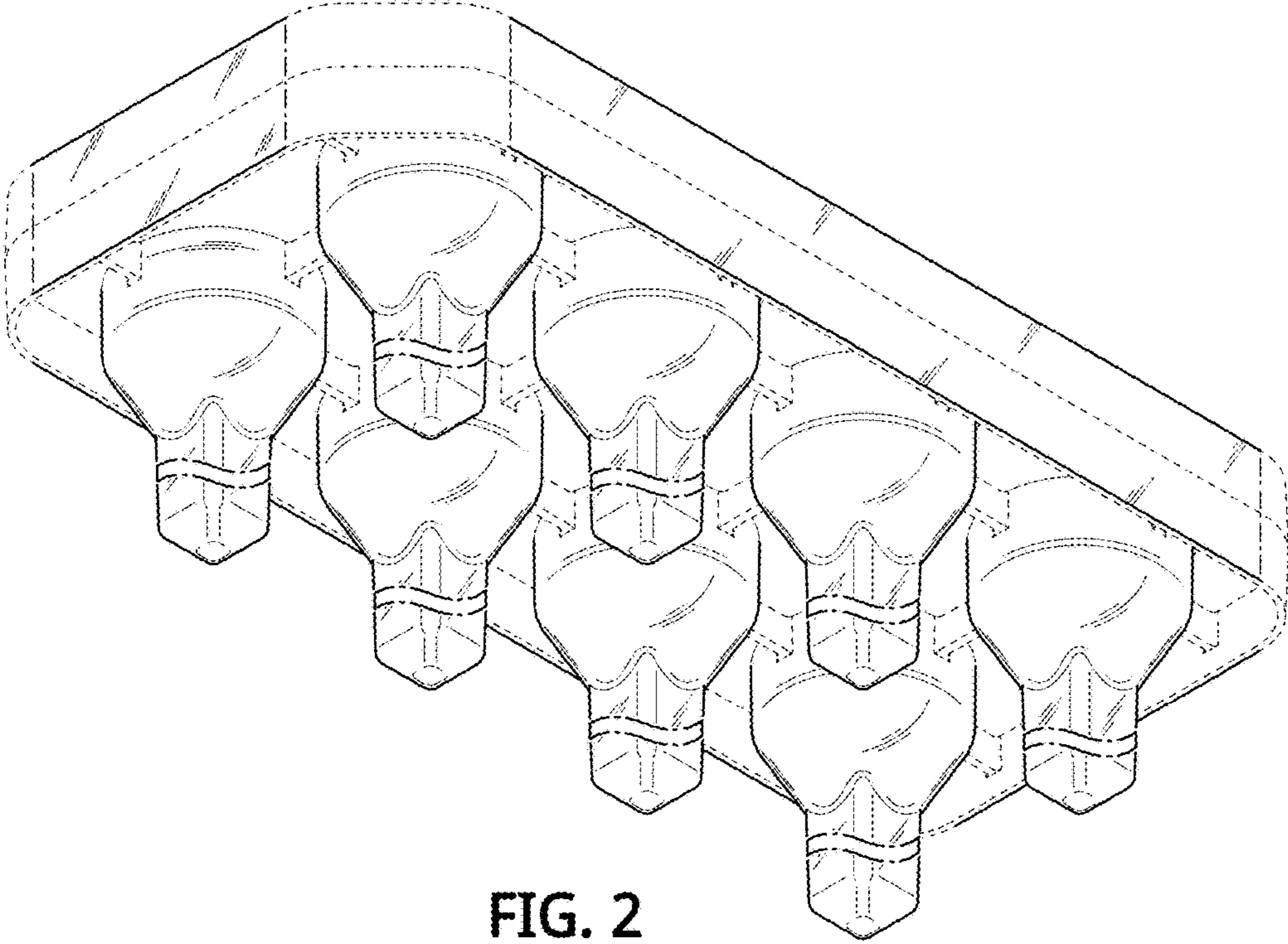


FIG. 2

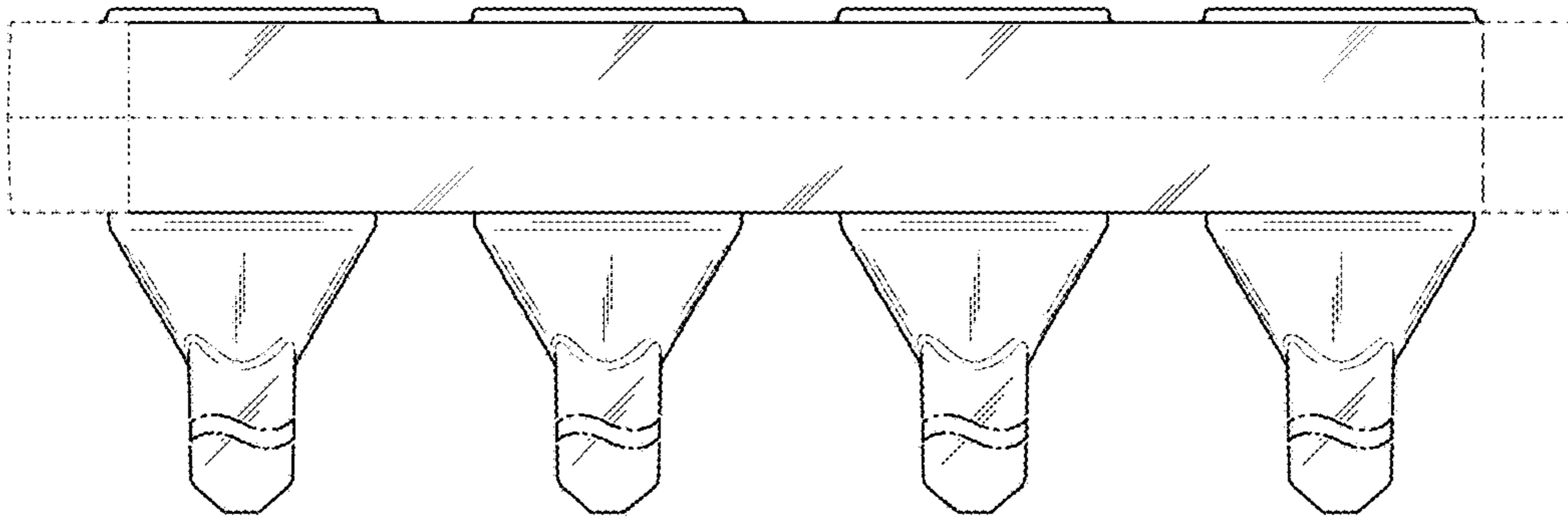


FIG. 3

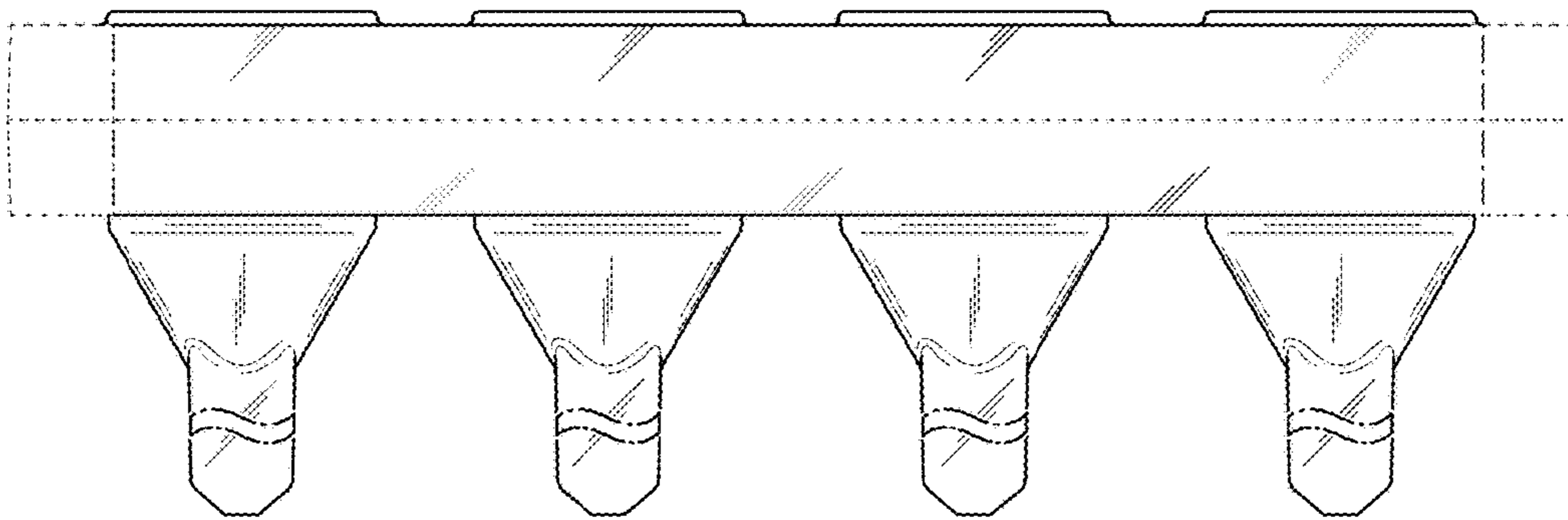


FIG. 4

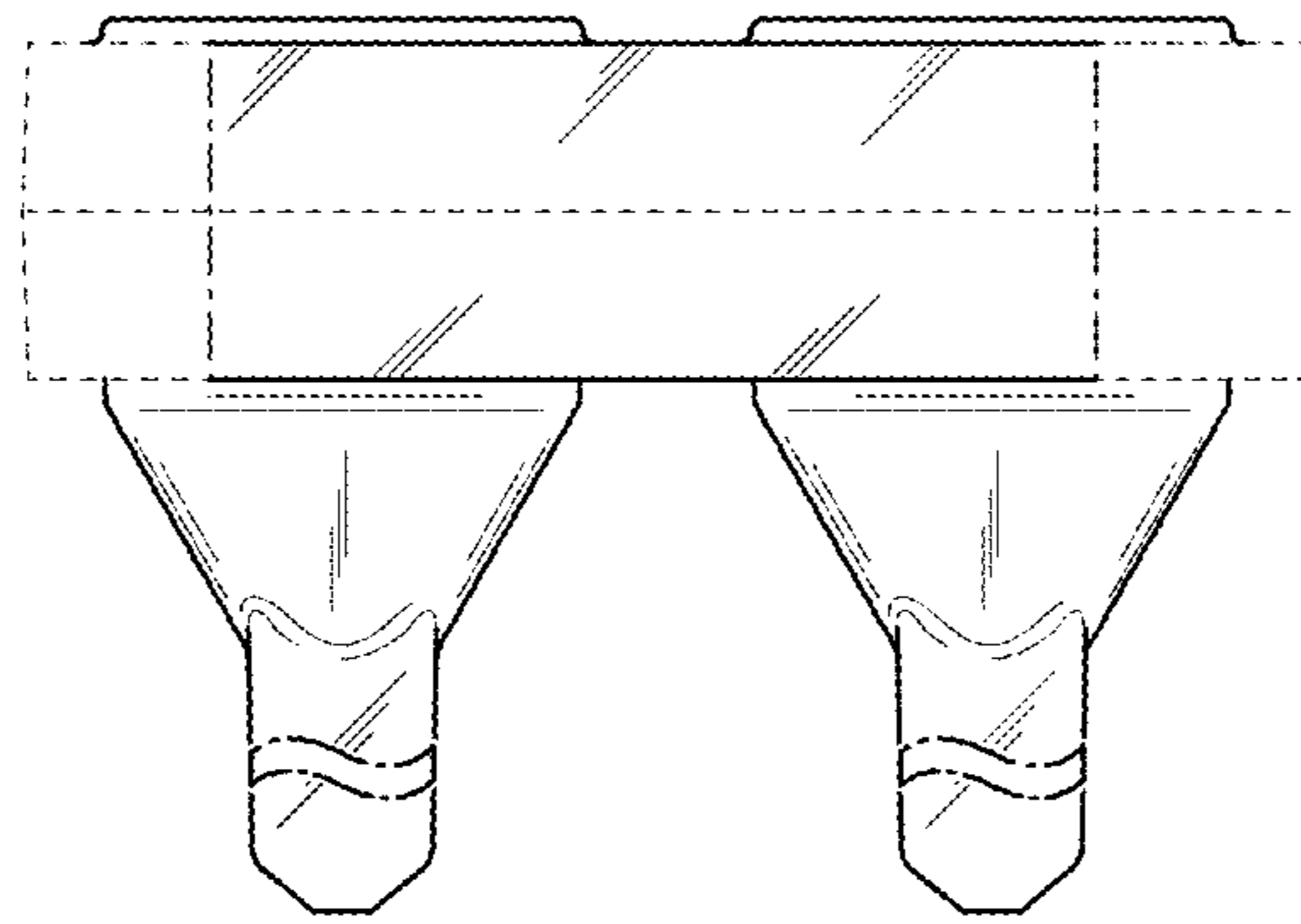


FIG. 5

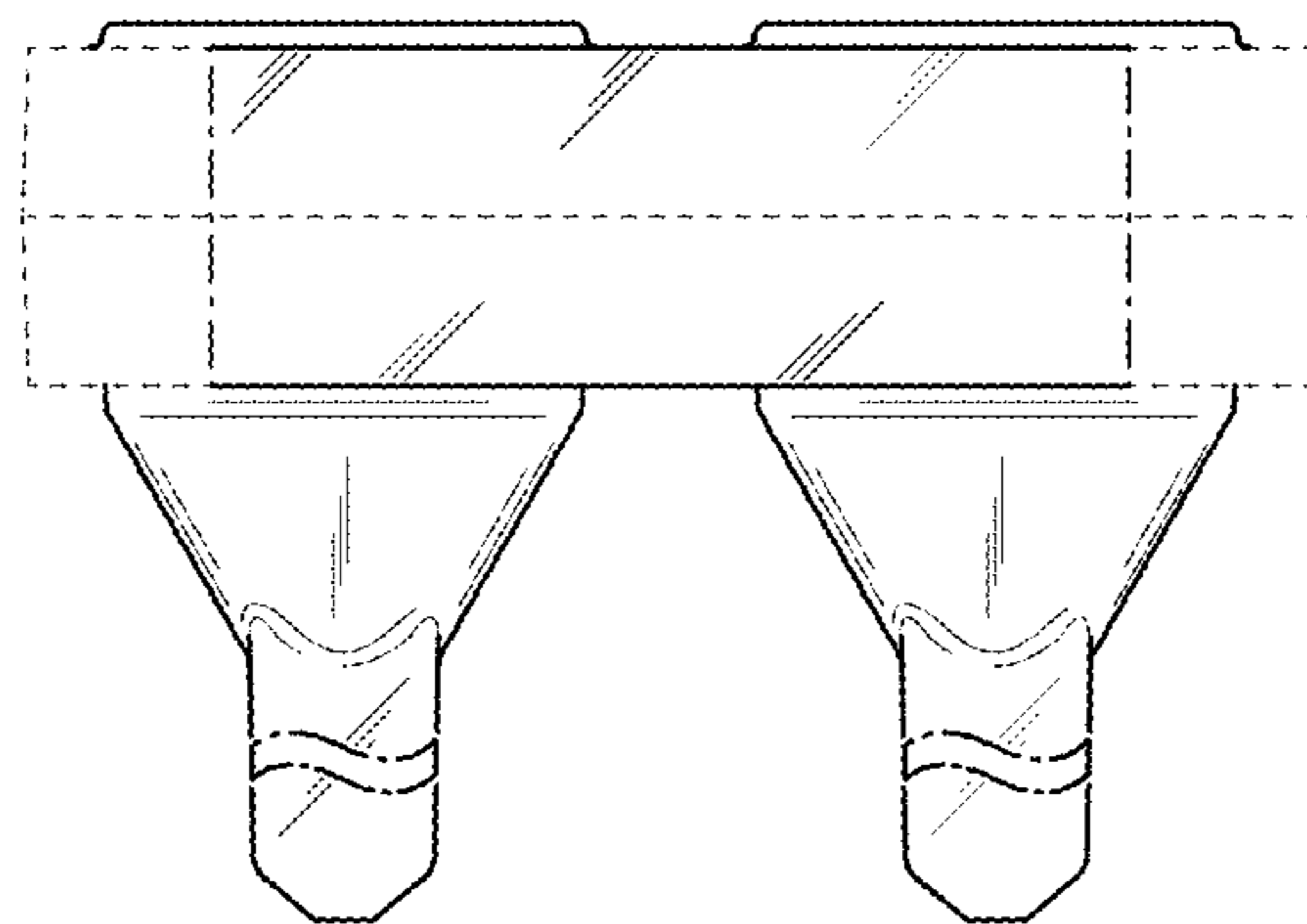


FIG. 6

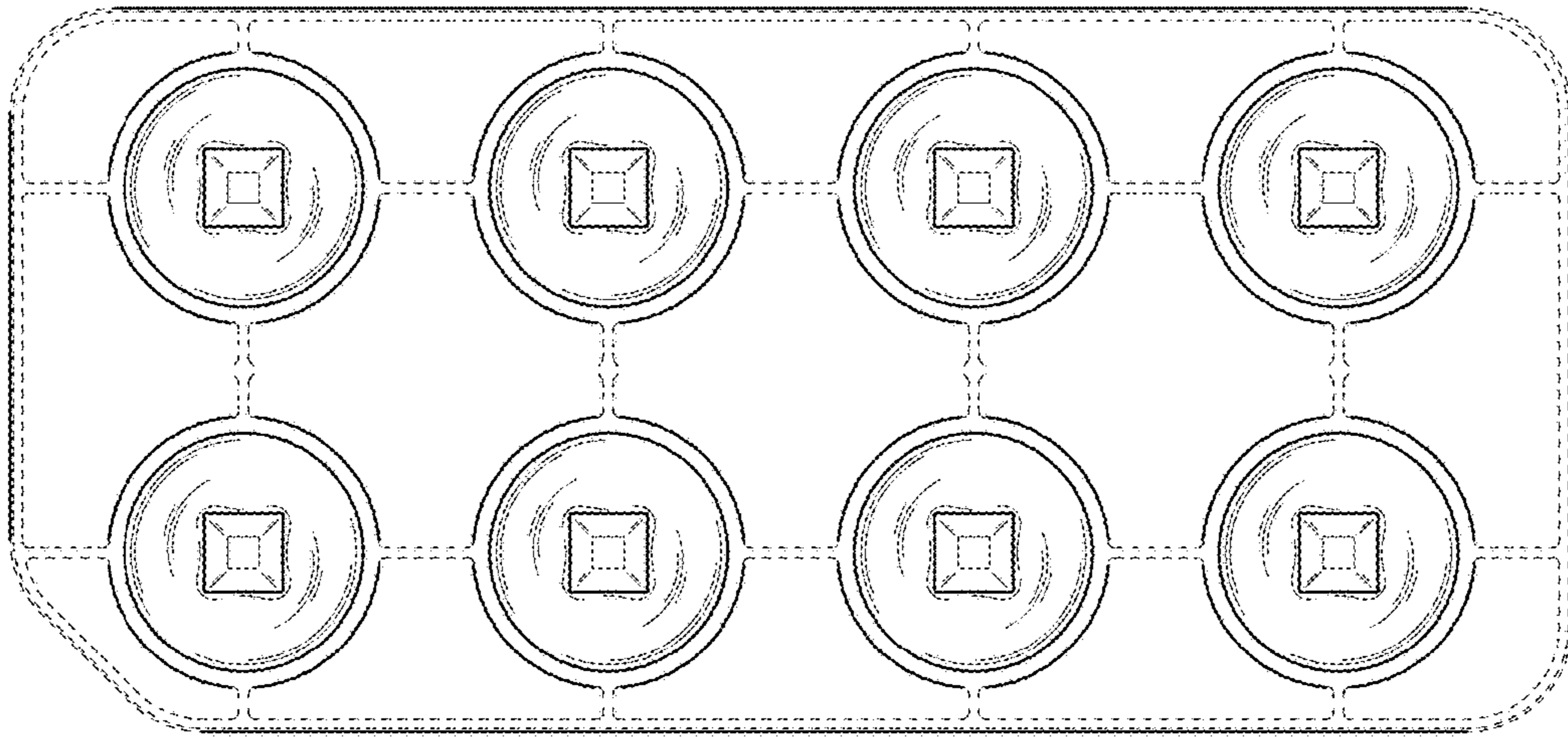


FIG. 7

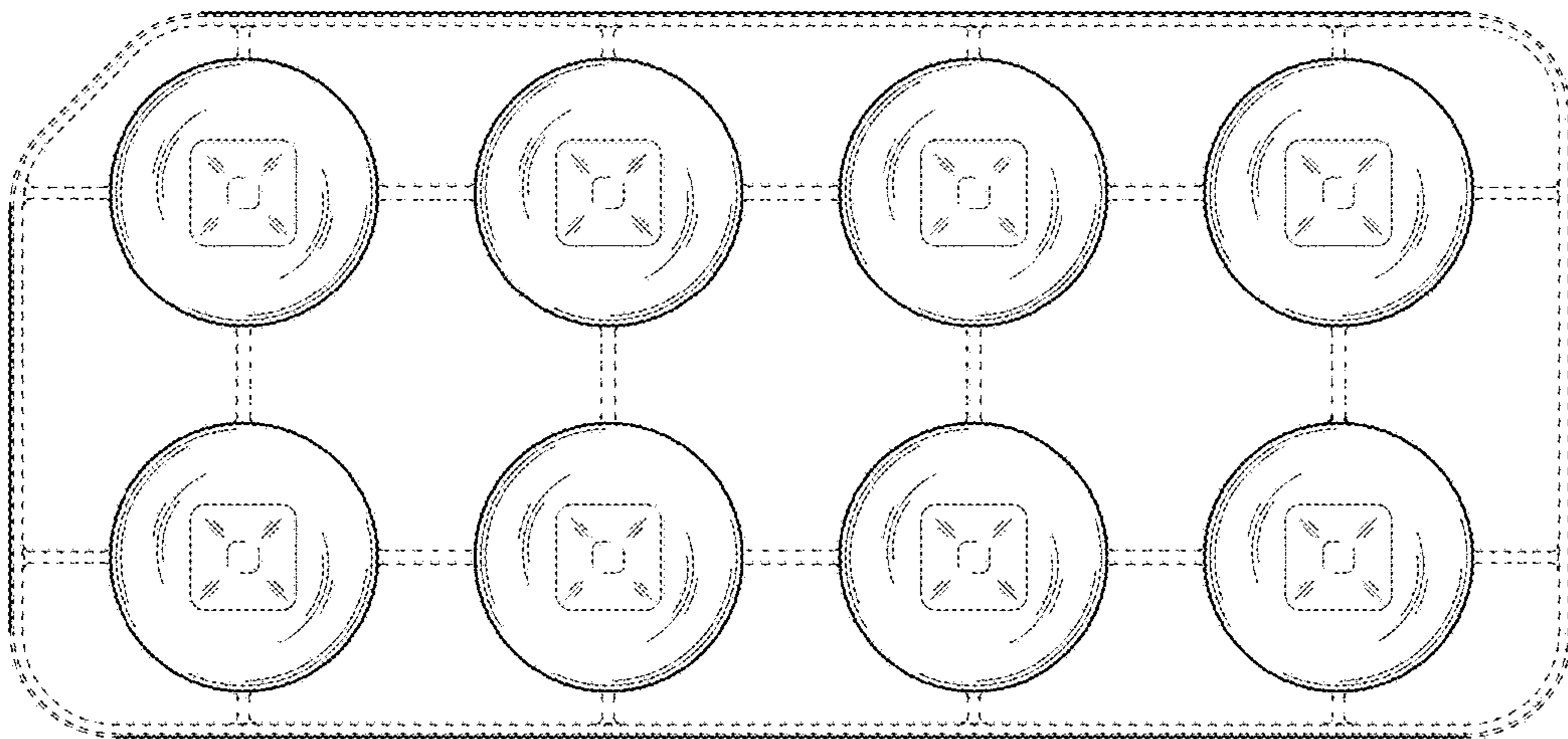


FIG. 8