



US00D709507S

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

(10) **Patent No.:** **US D709,507 S**  
(45) **Date of Patent:** **\*\* Jul. 22, 2014**

- (54) **STORAGE CARTRIDGE**
- (75) Inventors: **Paul T. McParland**, Saratoga, CA (US);  
**Ming-Hsueh Tsai**, Taipei (TW);  
**Mu-Jung Chen**, Gongyuan Taipei (TW)
- (73) Assignee: **Seagate Technology LLC**, Cupertino,  
CA (US)
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/405,706**
- (22) Filed: **Nov. 4, 2011**
- (51) **LOC (10) Cl.** ..... **14-02**
- (52) **U.S. Cl.**  
USPC ..... **D14/435**
- (58) **Field of Classification Search**  
USPC ..... D14/432–435, 483, 474, 477, 479, 496,  
D14/367, 353, 242, 356, 348, 362–366;  
360/133, 97.01–97.02, 234.2, 236.6,  
360/132, 92, 236.9; 361/684–685; 720/737,  
720/600, 725; D13/133; D21/332;  
369/75.11  
See application file for complete search history.

- D330,014 S \* 10/1992 Yun ..... D14/353
- D330,198 S \* 10/1992 Lajara et al. .... D14/435
- D330,704 S \* 11/1992 Wagner ..... D14/242
- D331,391 S \* 12/1992 Furuta et al. .... D14/353
- D331,394 S \* 12/1992 Kobayashi et al. .... D14/242
- D331,569 S \* 12/1992 Hong ..... D14/353
- D334,553 S \* 4/1993 Kobayashi et al. .... D14/242
- D339,115 S \* 9/1993 Eilertsen ..... D14/242
- D340,444 S \* 10/1993 Kuba et al. .... D14/353
- D344,954 S \* 3/1994 Scheid et al. .... D14/242
- D346,606 S \* 5/1994 Harris et al. .... D14/242
- D346,607 S \* 5/1994 Bhargava et al. .... D14/242
- D348,448 S \* 7/1994 Read et al. .... D14/365
- D348,888 S \* 7/1994 Fenton et al. .... D14/242
- D351,841 S \* 10/1994 Blankenship et al. .... D14/242
- D354,500 S \* 1/1995 Georgopoulos ..... D14/242
- D357,903 S \* 5/1995 Lin ..... D14/353
- D358,138 S \* 5/1995 Koyanagi et al. .... D14/368
- D358,380 S \* 5/1995 Sakaguchi ..... D14/357

(Continued)

*Primary Examiner* — Susan Moon Lee  
(74) *Attorney, Agent, or Firm* — Mueting, Raasch & Gebhardt

(57) **CLAIM**  
The ornamental design for a storage cartridge, as shown and described.

(56) **References Cited**

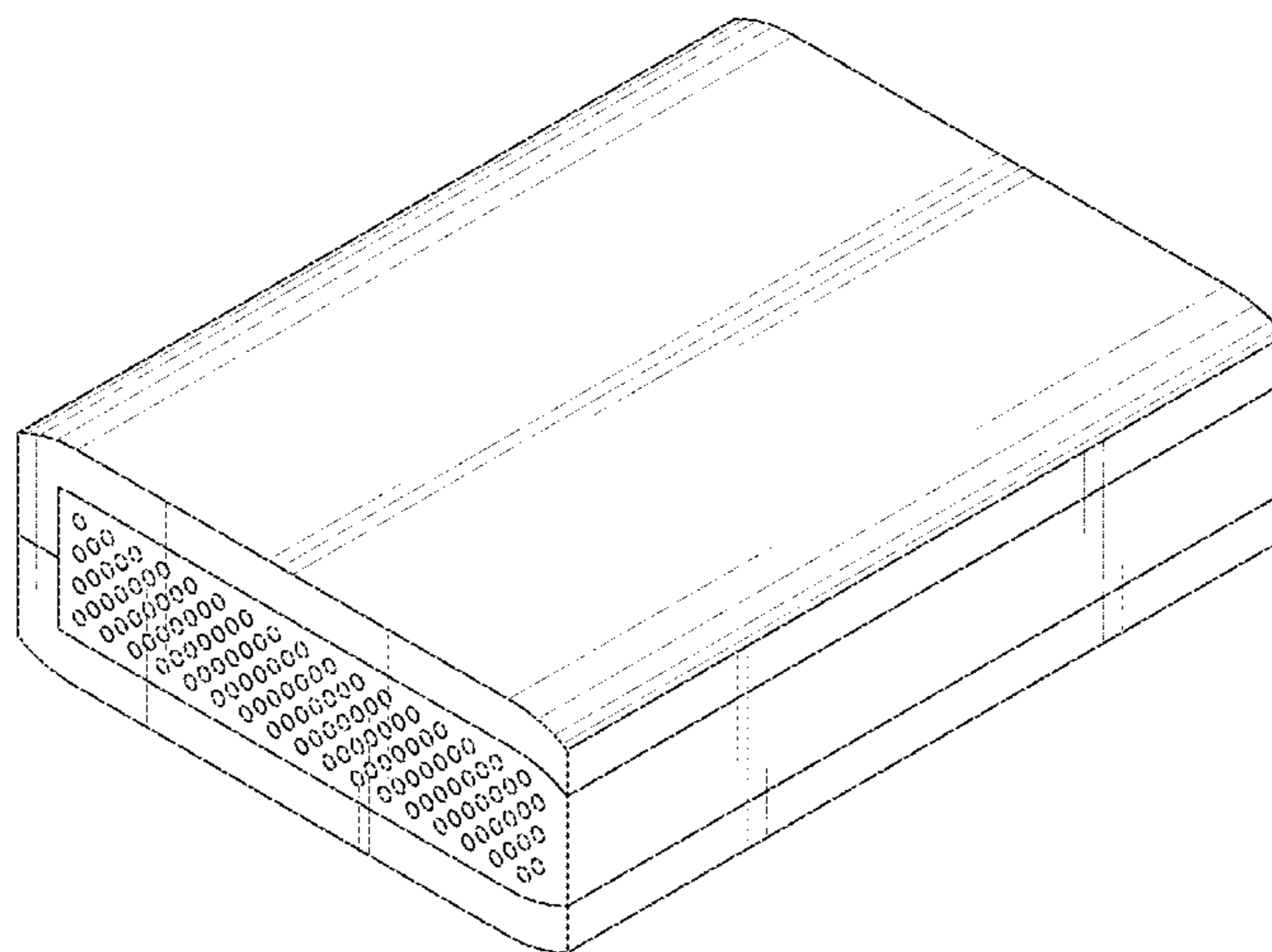
U.S. PATENT DOCUMENTS

- D265,906 S \* 8/1982 Steinbugler ..... D14/242
- D269,345 S \* 6/1983 Payne et al. .... D14/242
- D269,697 S \* 7/1983 Graham et al. .... D23/245
- D282,260 S \* 1/1986 Carlson et al. .... D14/435
- D289,765 S \* 5/1987 Eto et al. .... D14/435
- D291,443 S \* 8/1987 Pedinielli et al. .... D14/242
- D297,633 S \* 9/1988 Peroni ..... D13/184
- D304,823 S \* 11/1989 Pfeifer et al. .... D14/353
- D309,731 S \* 8/1990 Takai ..... D14/242
- D311,740 S \* 10/1990 Wagner ..... D14/358
- D311,910 S \* 11/1990 Pedinielli et al. .... D14/242
- D311,911 S \* 11/1990 Ueno et al. .... D14/242
- D317,445 S \* 6/1991 Sacherman ..... D14/353
- D323,818 S \* 2/1992 Willis et al. .... D14/353
- 5,119,497 A \* 6/1992 Freige et al. .... 361/679.46

**DESCRIPTION**

FIG. 1 is a front perspective view of a storage cartridge showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
FIG. 8 is a front perspective of another embodiment of the storage cartridge.  
Broken lines and unshaded portions contained within broken lines are not claimed.

**1 Claim, 5 Drawing Sheets**



(56)

## References Cited

## U.S. PATENT DOCUMENTS

- |              |      |         |                   |       |            |
|--------------|------|---------|-------------------|-------|------------|
| D359,477     | S *  | 6/1995  | Shoda             | ..... | D14/353    |
| D366,255     | S *  | 1/1996  | Mihalik et al.    | ..... | D14/435    |
| D368,429     | S *  | 4/1996  | Serio, Jr.        | ..... | D9/431     |
| D373,117     | S *  | 8/1996  | Barthelemy et al. | ..... | D14/353    |
| 5,564,802    | A *  | 10/1996 | Chiou             | ..... | 312/111    |
| D375,485     | S *  | 11/1996 | Gray              | ..... | D14/351    |
| D380,461     | S *  | 7/1997  | Mihalik et al.    | ..... | D14/435    |
| D383,139     | S *  | 9/1997  | Hill et al.       | ..... | D14/242    |
| D383,732     | S *  | 9/1997  | Haley et al.      | ..... | D14/435    |
| D394,386     | S *  | 5/1998  | Fischer           | ..... | D9/432     |
| D396,043     | S *  | 7/1998  | Liao              | ..... | D14/242    |
| D400,866     | S *  | 11/1998 | Lee               | ..... | D14/348    |
| D406,823     | S *  | 3/1999  | Dorr et al.       | ..... | D14/353    |
| D408,417     | S *  | 4/1999  | Ota et al.        | ..... | D14/242    |
| D410,446     | S *  | 6/1999  | Konshak et al.    | ..... | D14/367    |
| 5,921,422    | A *  | 7/1999  | Hunter et al.     | ..... | 220/4.02   |
| D413,333     | S *  | 8/1999  | Kitajima et al.   | ..... | D14/242    |
| D415,129     | S *  | 10/1999 | Wu                | ..... | D14/353    |
| D416,562     | S *  | 11/1999 | Larson et al.     | ..... | D14/242    |
| D417,223     | S *  | 11/1999 | Groves et al.     | ..... | D14/242    |
| D420,676     | S *  | 2/2000  | Wang et al.       | ..... | D14/242    |
| D422,272     | S *  | 4/2000  | Liang             | ..... | D14/353    |
| D422,574     | S *  | 4/2000  | Fujii et al.      | ..... | D14/368    |
| D427,193     | S *  | 6/2000  | Fedele            | ..... | D14/348    |
| D428,885     | S *  | 8/2000  | Masuda et al.     | ..... | D14/348    |
| D431,557     | S *  | 10/2000 | Lutz et al.       | ..... | D14/242    |
| D453,019     | S *  | 1/2002  | Oba               | ..... | D14/348    |
| D464,341     | S *  | 10/2002 | Tanaka            | ..... | D14/242    |
| D471,693     | S *  | 3/2003  | Wolff             | ..... | D1/127     |
| 6,549,397    | B1 * | 4/2003  | Diaz et al.       | ..... | 361/679.6  |
| D477,824     | S *  | 7/2003  | Taniguchi         | ..... | D14/434    |
| D484,504     | S *  | 12/2003 | Chuang            | ..... | D14/367    |
| D492,661     | S *  | 7/2004  | Masamitsu et al.  | ..... | D14/499    |
| D493,165     | S *  | 7/2004  | Kiple et al.      | ..... | D14/242    |
| D496,039     | S *  | 9/2004  | Kerrigan et al.   | ..... | D14/367    |
| 6,891,721    | B2 * | 5/2005  | Huang             | ..... | 361/679.33 |
| D512,059     | S *  | 11/2005 | Zhang et al.      | ..... | D14/348    |
| D513,253     | S *  | 12/2005 | Kawasaki          | ..... | D14/363    |
| D515,090     | S *  | 2/2006  | Huang             | ..... | D14/367    |
| D530,323     | S *  | 10/2006 | Hsu               | ..... | D14/348    |
| D531,178     | S *  | 10/2006 | Lee               | ..... | D14/367    |
| D538,803     | S *  | 3/2007  | Chen et al.       | ..... | D14/348    |
| D542,784     | S *  | 5/2007  | Franck et al.     | ..... | D14/240    |
| D560,666     | S *  | 1/2008  | Ulrich et al.     | ..... | D14/435    |
| D565,568     | S *  | 4/2008  | Trifilio et al.   | ..... | D14/356    |
| D565,571     | S *  | 4/2008  | Trifilio et al.   | ..... | D14/434    |
| D575,775     | S *  | 8/2008  | Sekine            | ..... | D14/242    |
| D578,119     | S *  | 10/2008 | Camarena et al.   | ..... | D14/368    |
| D578,121     | S *  | 10/2008 | Goto              | ..... | D14/385    |
| D579,931     | S *  | 11/2008 | Chang             | ..... | D14/242    |
| D580,933     | S *  | 11/2008 | Ju et al.         | ..... | D14/358    |
| 7,449,861    | B2 * | 11/2008 | Horigome          | ..... | 320/106    |
| D585,859     | S *  | 2/2009  | Tejima            | ..... | D14/348    |
| D592,661     | S *  | 5/2009  | Woo et al.        | ..... | D14/358    |
| D594,864     | S *  | 6/2009  | Song              | ..... | D14/358    |
| D598,450     | S *  | 8/2009  | Onoda et al.      | ..... | D14/363    |
| D609,704     | S *  | 2/2010  | Sin et al.        | ..... | D14/363    |
| D612,329     | S *  | 3/2010  | Guccione et al.   | ..... | D13/108    |
| D616,425     | S *  | 5/2010  | Hsia              | ..... | D14/240    |
| 7,869,191    | B2 * | 1/2011  | Yang et al.       | ..... | 361/601    |
| D640,699     | S    | 6/2011  | McParland         |       |            |
| D641,362     | S    | 7/2011  | Dublin            |       |            |
| D641,364     | S    | 7/2011  | McParland         |       |            |
| D641,368     | S    | 7/2011  | McParland         |       |            |
| D647,087     | S *  | 10/2011 | Chen et al.       | ..... | D14/348    |
| D647,908     | S *  | 11/2011 | Chen et al.       | ..... | D14/434    |
| D677,218     | S *  | 3/2013  | Baker et al.      | ..... | D13/107    |
| D677,623     | S *  | 3/2013  | Fitch et al.      | ..... | D13/108    |
| D679,711     | S *  | 4/2013  | Perry et al.      | ..... | D14/434    |
| D680,116     | S *  | 4/2013  | McParland et al.  | ..... | D14/434    |
| D684,957     | S *  | 6/2013  | Smith et al.      | ..... | D14/242    |
| D685,320     | S *  | 7/2013  | Murchison et al.  | ..... | D13/107    |
| D685,374     | S *  | 7/2013  | Schindler         | ..... | D14/435    |
| D687,023     | S *  | 7/2013  | Jung et al.       | ..... | D14/242    |
| D687,768     | S *  | 8/2013  | Minamikawa        | ..... | D13/107    |
| 2003/0071544 | A1 * | 4/2003  | Chang             | ..... | 312/107    |
| 2003/0122457 | A1 * | 7/2003  | Diaz et al.       | ..... | 312/223.2  |
| 2005/0041387 | A1 * | 2/2005  | Lee               | ..... | 361/685    |
| 2006/0056103 | A1 * | 3/2006  | Hamming           | ..... | 360/97.01  |

\* cited by examiner



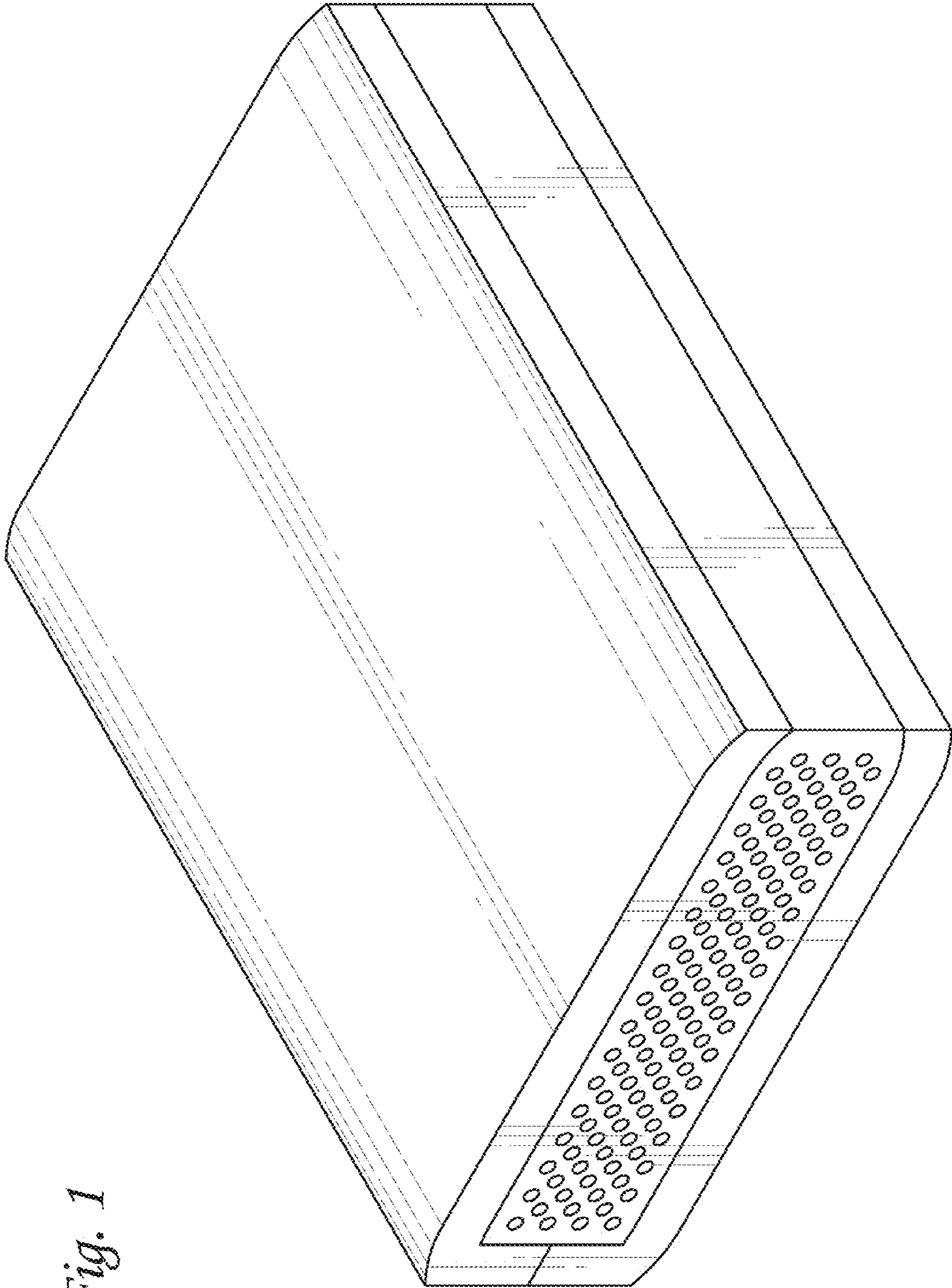
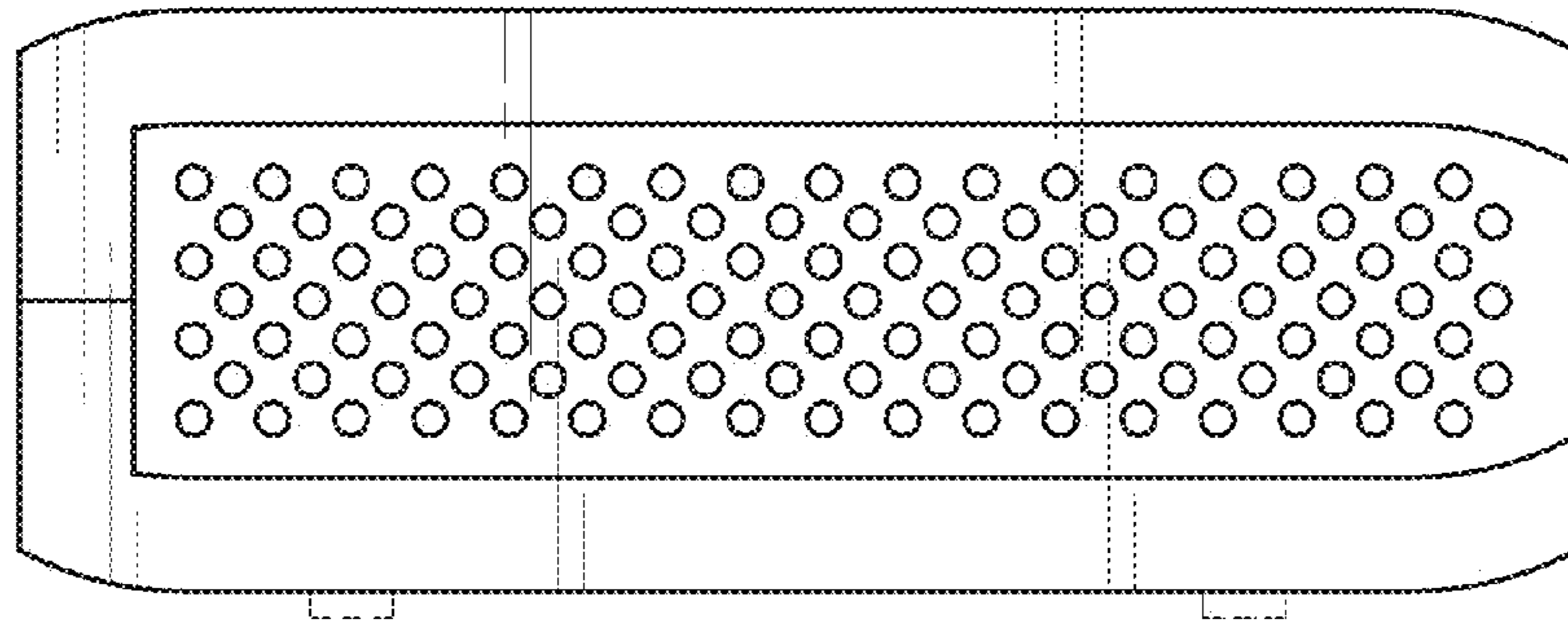
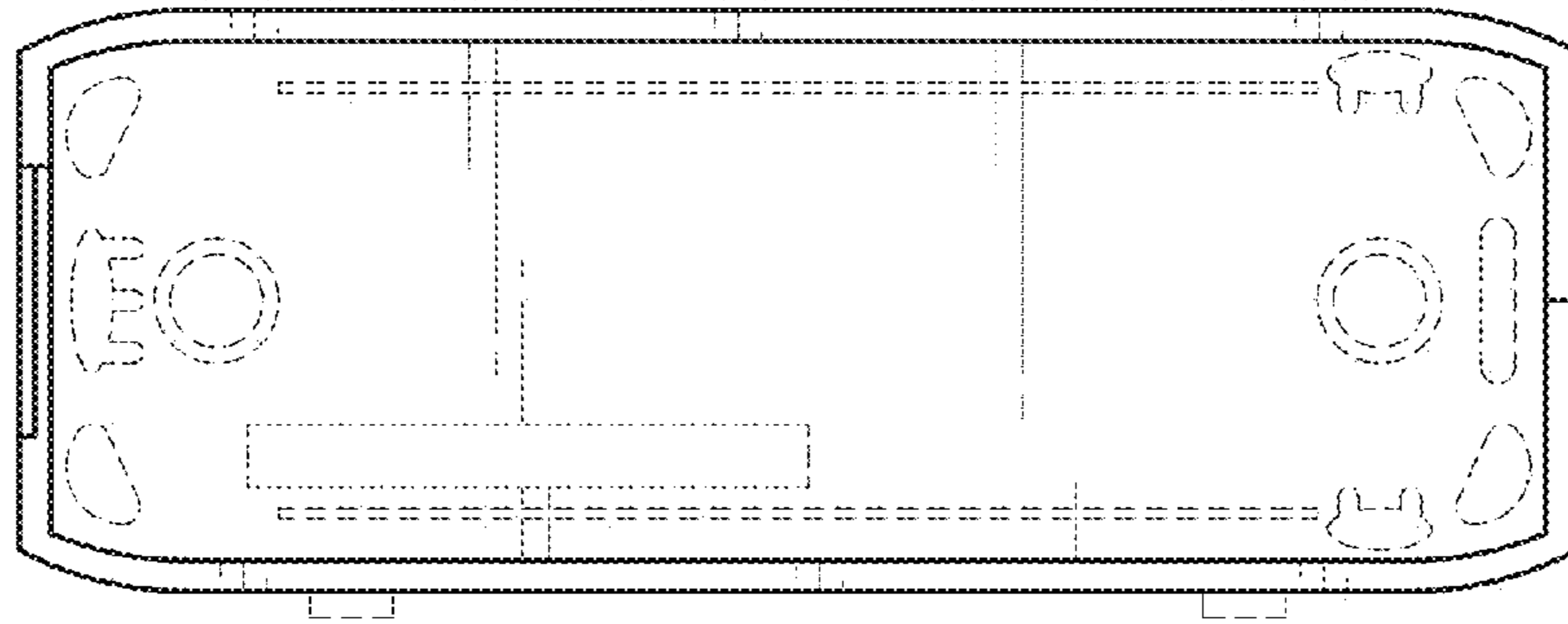


Fig. 1

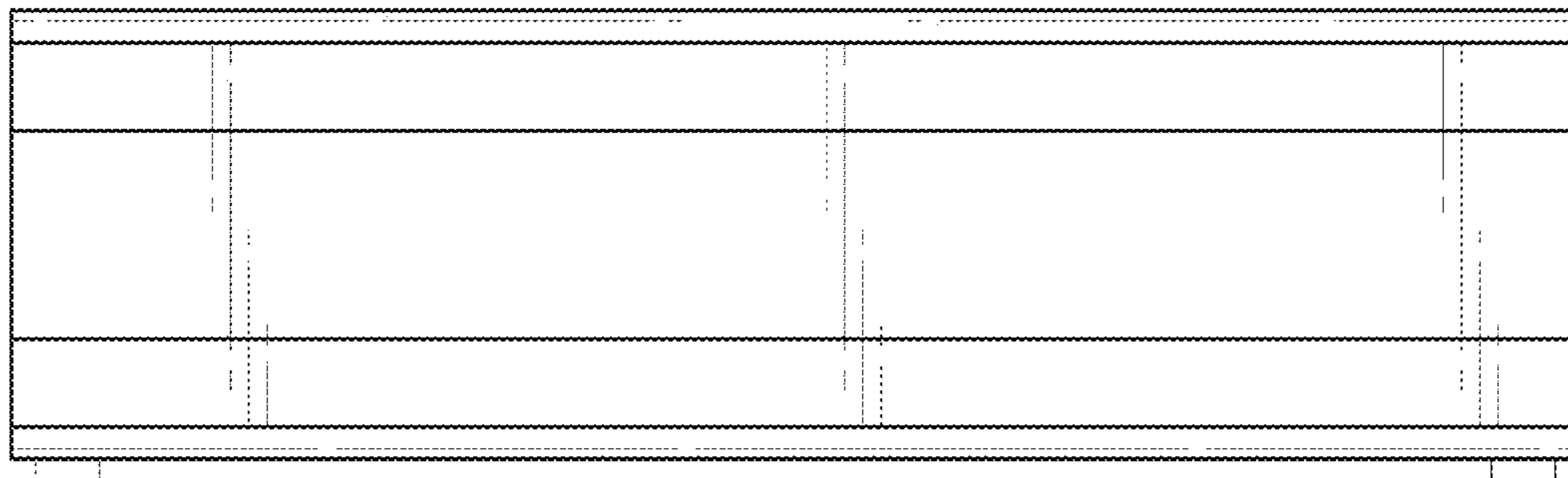
*Fig. 2*



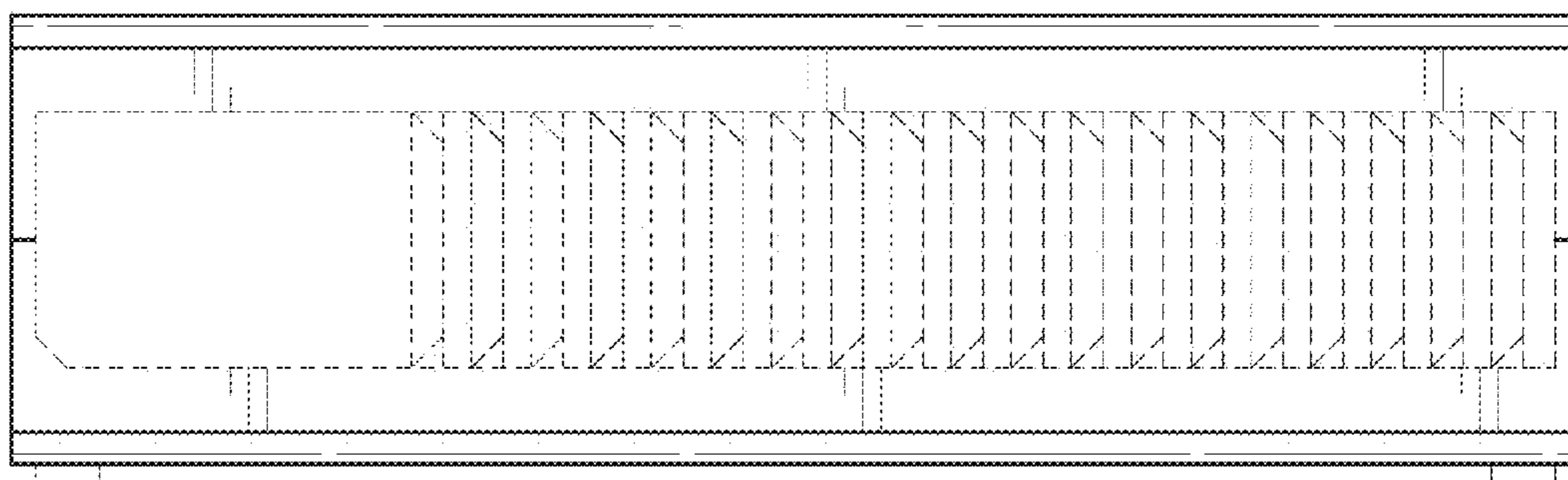
*Fig. 3*



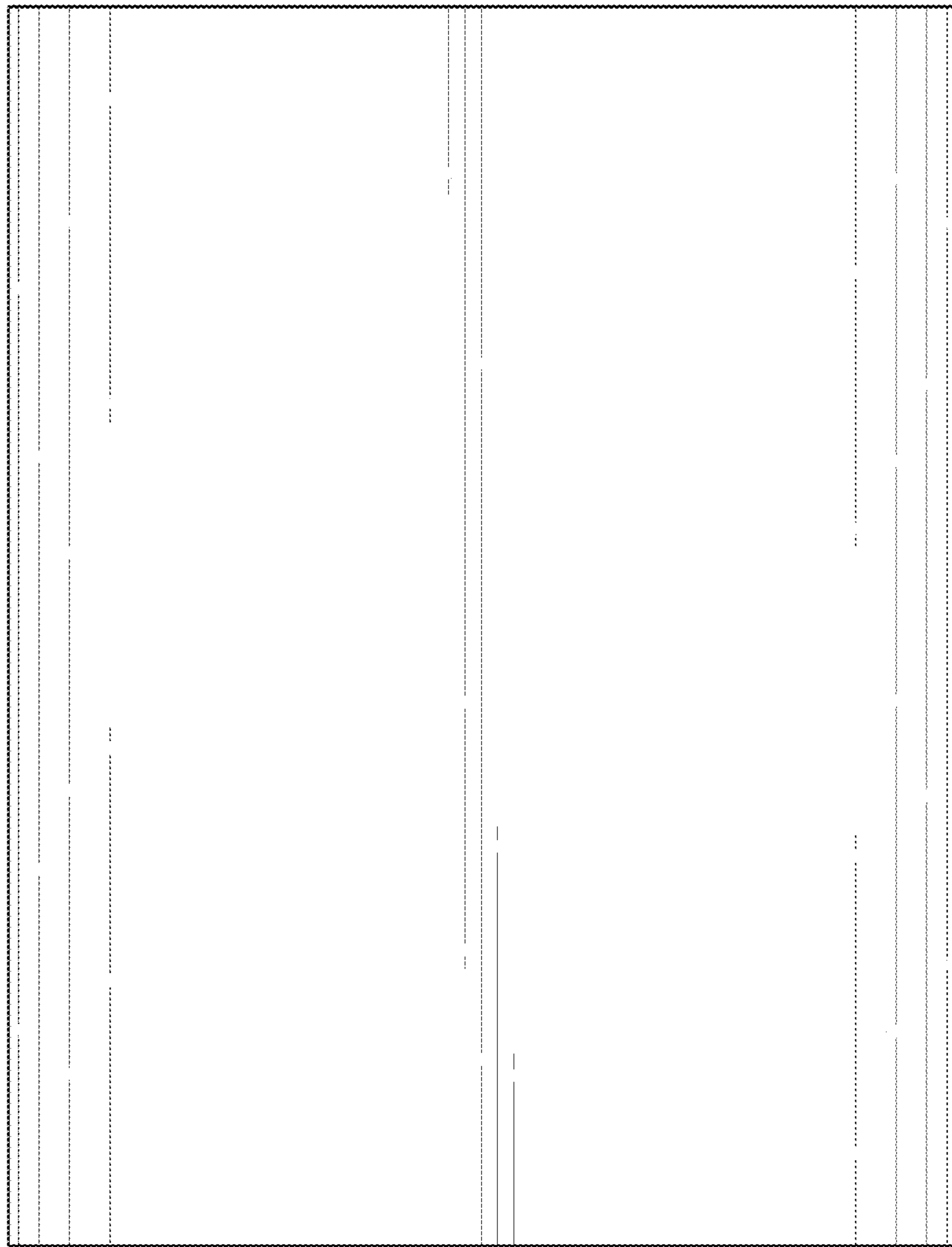
*Fig. 4*



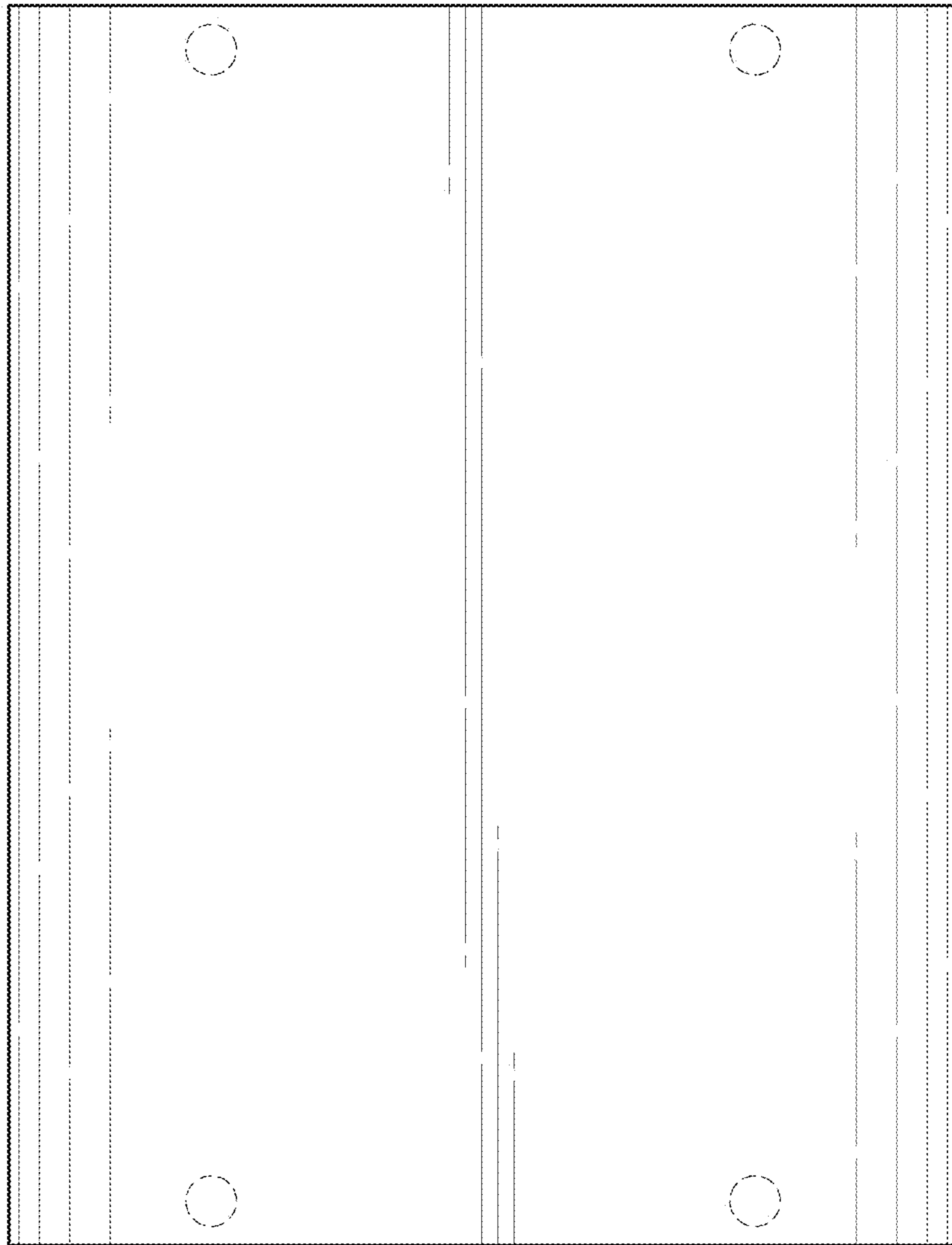
*Fig. 5*

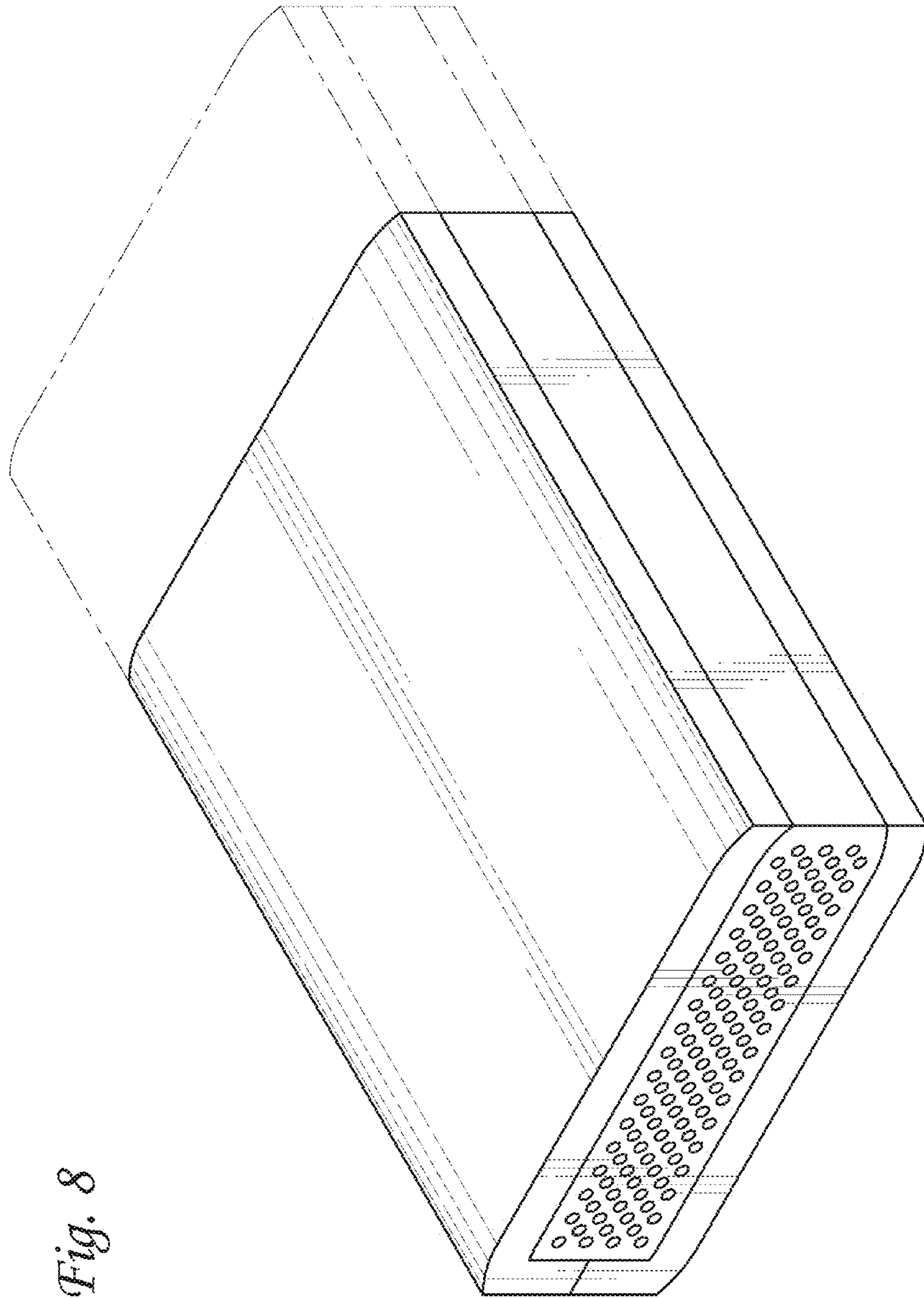


*Fig. 6*



*Fig. 7*





*Fig. 8*