



US00D921312S

(12) **United States Design Patent** (10) **Patent No.:** **US D921,312 S**  
**Fowler et al.** (45) **Date of Patent:** **\*\* \*Jun. 1, 2021**

(54) **CLEANING PAD MOUNTING CARD FOR AN AUTONOMOUS FLOOR CLEANING ROBOT**

(71) Applicant: **iRobot Corporation**, Bedford, MA (US)

(72) Inventors: **Isaac Fowler**, Cambridge, MA (US); **Karl Ide-Pech**, Maynard, MA (US)

(73) Assignee: **iRobot Corporation**, Bedford, MA (US)

(\*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/663,247**

(22) Filed: **Sep. 13, 2018**

(51) **LOC (13) Cl.** ..... **15-05**

(52) **U.S. Cl.**  
USPC ..... **D32/31; D32/40**

(58) **Field of Classification Search**  
USPC ..... D32/15, 17, 18, 19, 21, 25, 31, 32, 33, D32/40; D20/22, 27, 40; D14/478, 479; D19/1, 2, 10

CPC .... A47L 9/1427; A47L 9/1436; A47L 9/1691; A47L 9/14; A47L 5/00; A47L 5/22; A47L 9/08; A47L 9/10; A47L 9/12; A47L 9/122; A47L 9/16; A47L 9/1445; A47L 11/4011; A47L 11/4036; A47L 11/4066; A47L 11/4088; A47L 11/28; A47L 2201/04; A47L 2201/06; B01D 46/02

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D245,125 S \* 7/1977 Chou ..... D14/479  
D268,010 S \* 2/1983 O'Brien ..... D20/40  
D280,109 S \* 8/1985 Lewis ..... 15/210.1  
D283,893 S \* 5/1986 Fujimoto ..... D14/480

D287,597 S \* 1/1987 Naoi ..... D14/479  
4,811,152 A \* 3/1989 Kishine ..... G11B 23/0332  
360/133  
D319,253 S \* 8/1991 Peersmann ..... D18/7  
D434,909 S \* 12/2000 Seltzer ..... D4/134  
(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 305347960 9/2019

**OTHER PUBLICATIONS**

iRobot Braava jet m6 mopping robot review (on-line), dated Nov. 5, 2019. Retrieved from Internet Aug. 20, 2020, URL: <https://techgadgetsCanada.com/irobot-braava-jet-m6-mopping-robot-review> (5 pages) (Year: 2019).\*

(Continued)

*Primary Examiner* — Kimberly Barnes

(74) *Attorney, Agent, or Firm* — Schwegman Lundberg & Woessner, P.A.

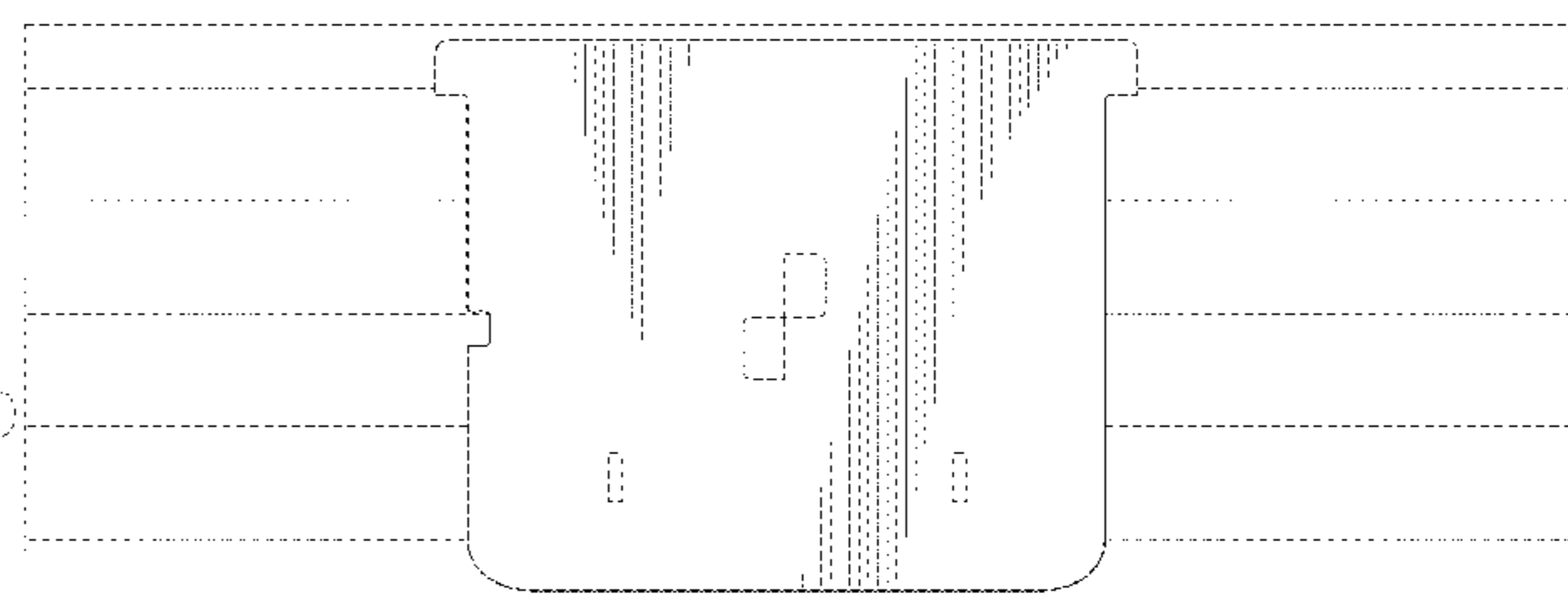
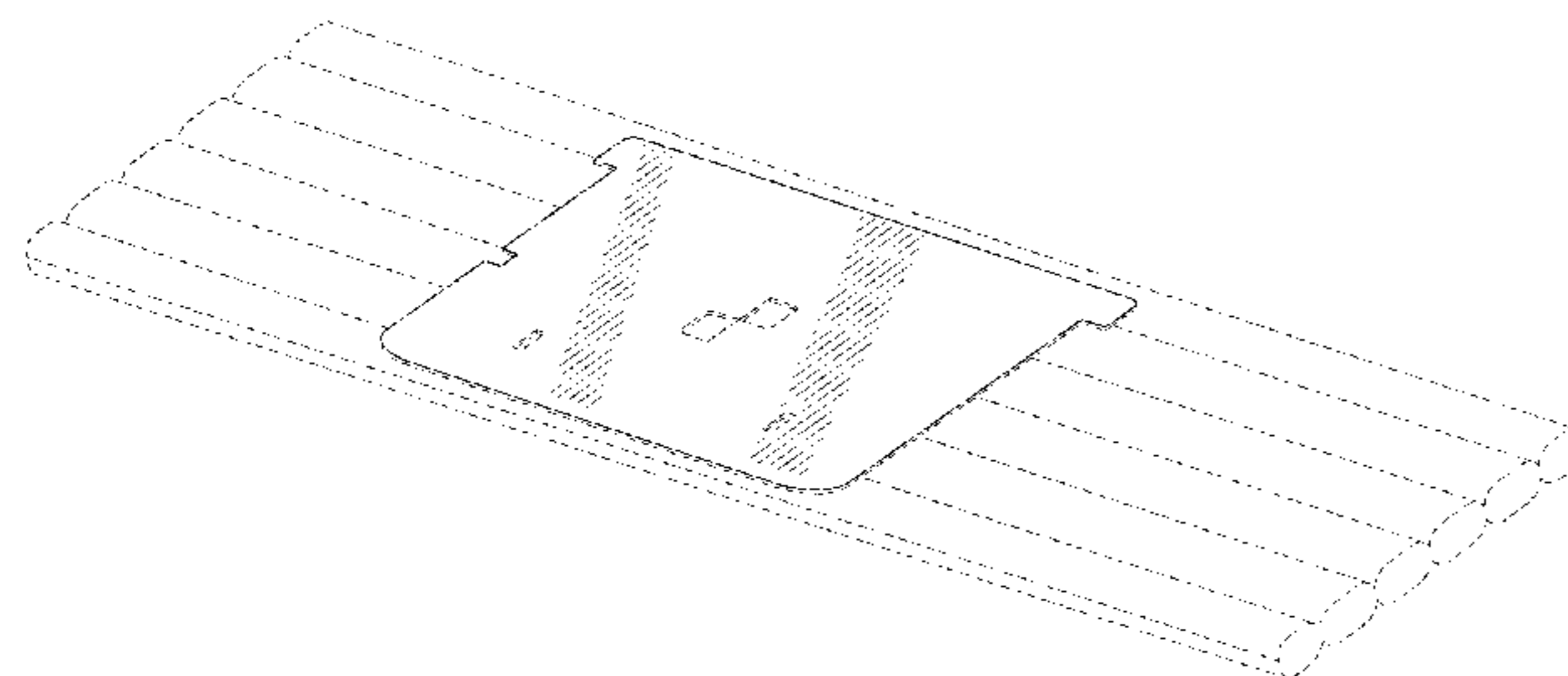
(57) **CLAIM**

The ornamental design for a cleaning pad mounting card for an autonomous floor cleaning robot, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective top view of a cleaning pad mounting card for an autonomous floor cleaning robot according to our design;  
FIG. 2 is a top view thereof;  
FIG. 3 is a bottom view thereof;  
FIG. 4 is side view thereof;  
FIG. 5 is an opposing side view thereof;  
FIG. 6 is an end view thereof; and,  
FIG. 7 is an opposing end view thereof.  
The broken lines shown herein depict portions of the cleaning pad for an autonomous floor cleaning robot and associated mounting card that form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D466,902 S \* 12/2002 Warmenhoven ..... D14/479  
D708,267 S \* 7/2014 Moore ..... D20/22  
9,220,389 B2 \* 12/2015 Dooley ..... A47L 11/4011  
D782,139 S \* 3/2017 Dooley ..... D32/40  
9,877,630 B2 \* 1/2018 Wolfe ..... A47L 11/4011  
D814,727 S \* 4/2018 Wehrle ..... D32/40  
D833,096 S \* 11/2018 Breheny ..... D32/40  
10,595,698 B2 \* 3/2020 Williams ..... A47L 13/16  
10,791,902 B2 \* 10/2020 Reimels ..... A47L 11/4036  
2020/0170473 A1 \* 6/2020 Reimels ..... A47L 9/2805

OTHER PUBLICATIONS

iRobot original authentic M6 floor cleaning disposable cleaning pad  
(on-line), no date available. Retrieved from Internet Aug. 20, 2020,  
URL: <https://www.joybuy.com/601064123.html> (3 pages).  
\*  
“Malaysian Application Serial No. 19-00292-0101, Response filed  
Feb. 21, 2020 to Office Action dated Dec. 13, 2019”, 7 pgs.

\* cited by examiner

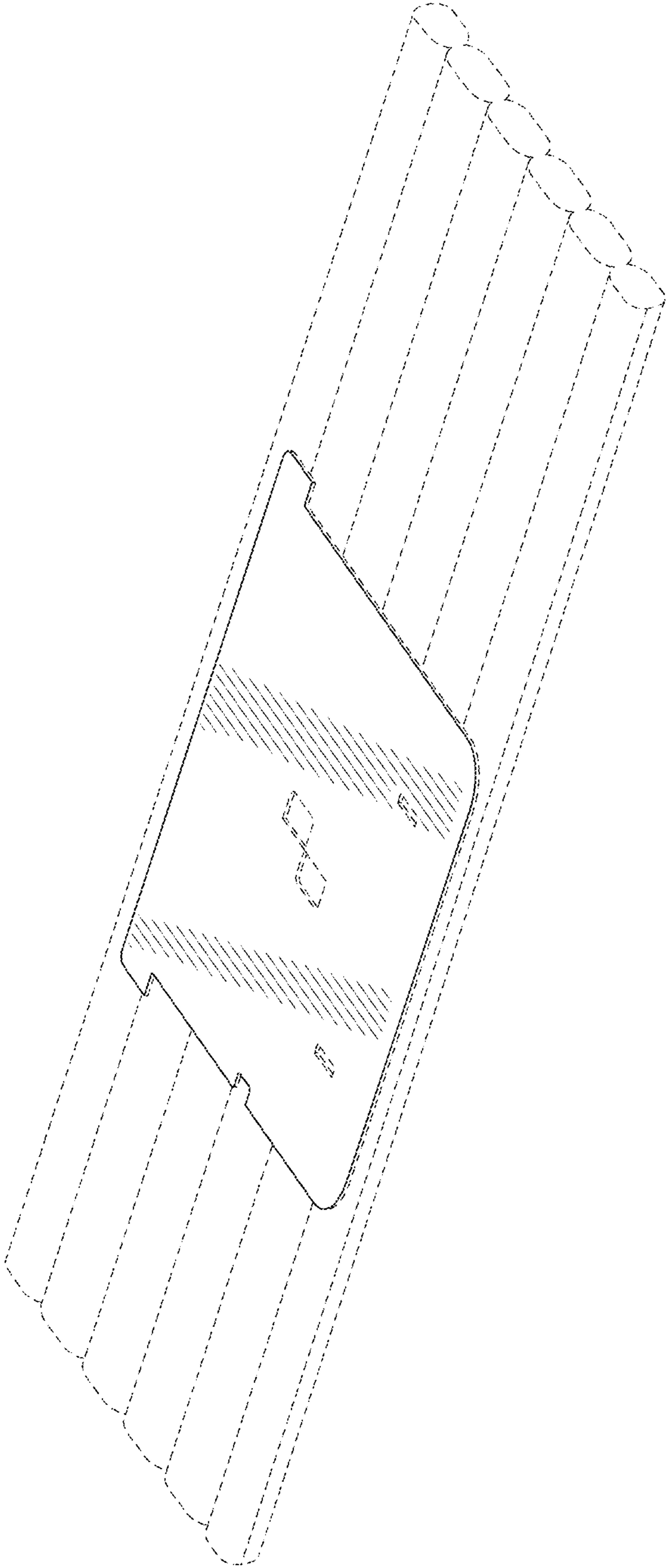


FIG. 1

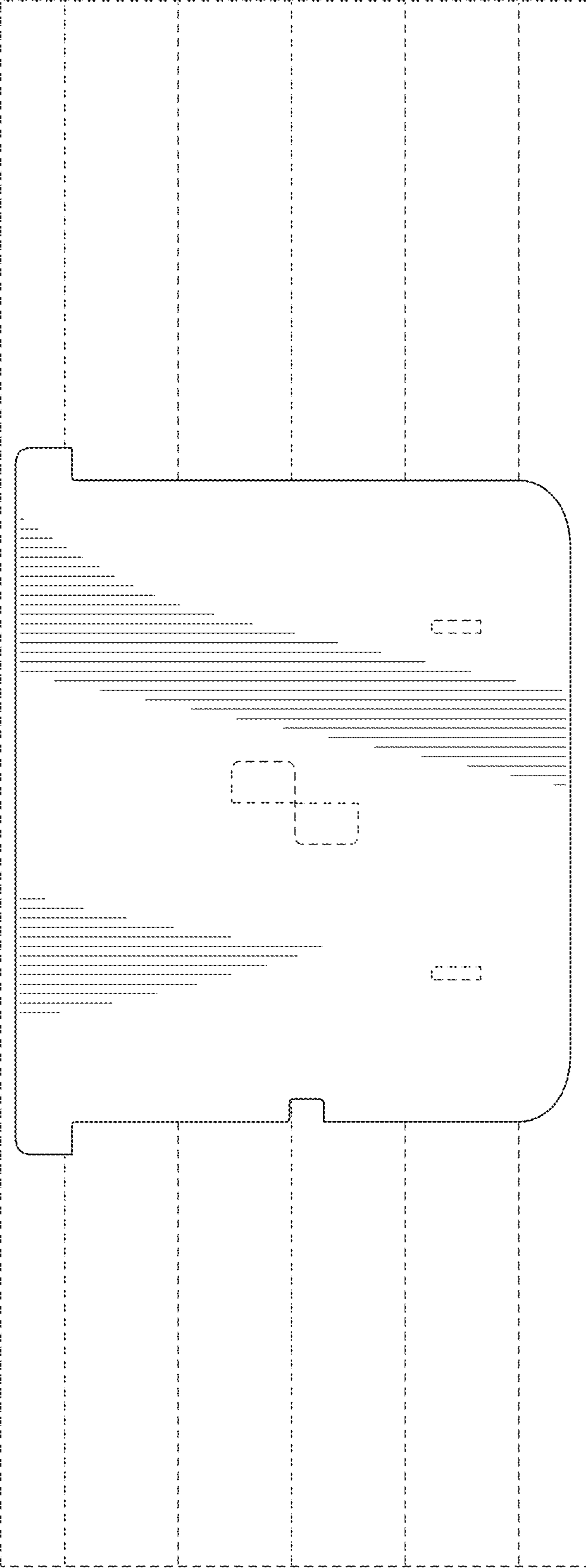


FIG. 2

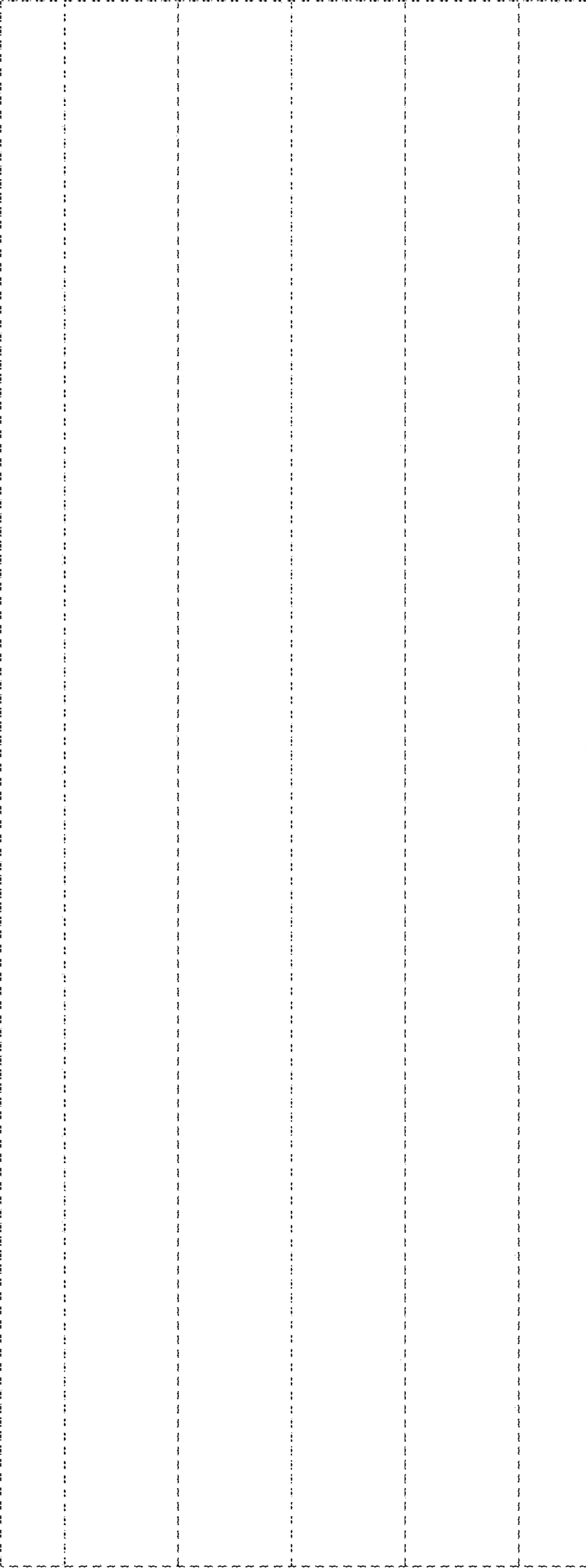


FIG. 3

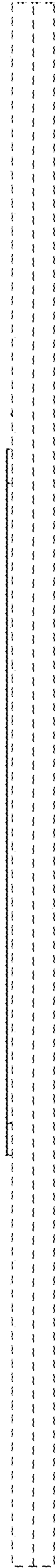


FIG. 4

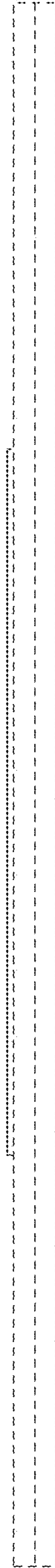


FIG. 5

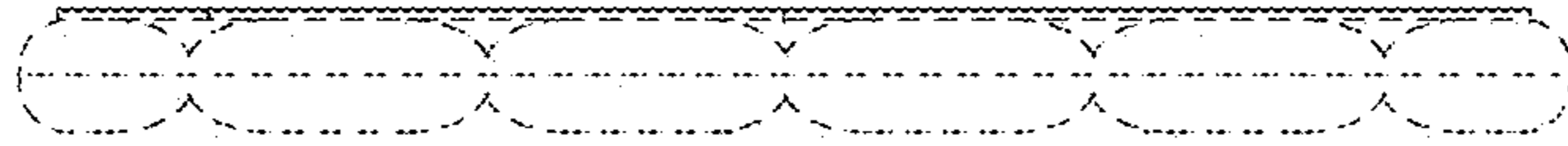


FIG. 6



FIG. 7