



US00D760455S

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

(10) **Patent No.:** **US D760,455 S**

(45) **Date of Patent:** **** Jun. 28, 2016**

(54) **BRUSH FOR CLEANING SEMICONDUCTOR
POLISHING DISK**

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(**) Term: **14 Years**

(21) Appl. No.: **29/445,123**

(22) Filed: **Feb. 7, 2013**

(30) **Foreign Application Priority Data**

Aug. 7, 2012 (JP) 2012-018894

(51) **LOC (10) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/25**

(58) **Field of Classification Search**
USPC D4/130, 119, 114, 136, 129, 100, 134,
D4/199; 15/143.1; D30/158; D24/119,
D24/211; D32/25; D25/112
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D29,883 S *	12/1898	Fox	.....	D4/130
D76,460 S *	10/1928	De Vilbiss	.....	D4/130
2,546,291 A *	3/1951	Baumgartner	.....	15/143.1
2,802,229 A *	8/1957	Bangs	.....	15/143.1
D254,277 S *	2/1980	DePamphilis	.....	D4/119
D285,131 S *	8/1986	Wilkeson	.....	D30/158
D295,118 S *	4/1988	Valenza	.....	D4/114
D326,362 S *	5/1992	Bertwell	.....	D4/136
D326,562 S *	6/1992	Bertwell	.....	D4/136
D330,249 S *	10/1992	Mitchell	.....	D24/119
D333,730 S *	3/1993	Martin	.....	D4/136
D431,367 S *	10/2000	Burkhardt	.....	D4/129
D437,691 S *	2/2001	Weiss	.....	D4/129

D441,961 S *	5/2001	Gringer	.....	D4/130
D454,250 S *	3/2002	Forrest	.....	D4/100
D466,697 S *	12/2002	Chen	.....	D4/129
D482,534 S *	11/2003	Olson	.....	D4/120
D499,810 S *	12/2004	Chien	.....	D24/211
D542,542 S *	5/2007	Williams	.....	D4/134
D555,362 S *	11/2007	Arvinte	.....	D4/130
D573,797 S *	7/2008	Guillaume	.....	D4/119
D612,069 S *	3/2010	Usul et al.	.....	D25/113

(Continued)

FOREIGN PATENT DOCUMENTS

JP	D1114695	*	7/2001
KR	300527727.0000	*	5/2009
KR	300526364.0000	*	6/2010

OTHER PUBLICATIONS

Tangle Teezer, Announced Jan. 12, 2012, [Site Visited Feb. 10, 2015]
<http://www.helloterrilowe.com/2012/01/tangle-teezer.html>.*

(Continued)

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(57) **CLAIM**

The ornamental design for a brush for cleaning semiconductor polishing disk, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a brush for cleaning semiconductor polishing disk showing my new design;

FIG. 2 is a top view thereof;

FIG. 3 is a front elevation view thereof;

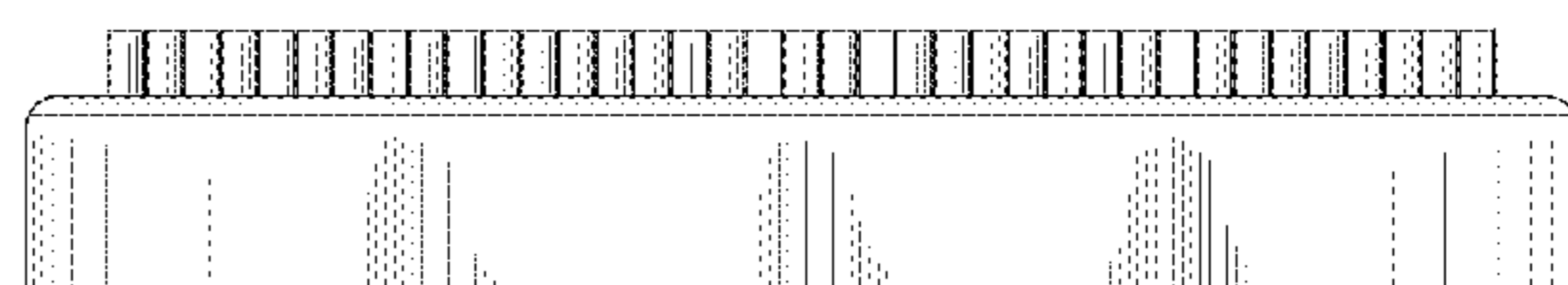
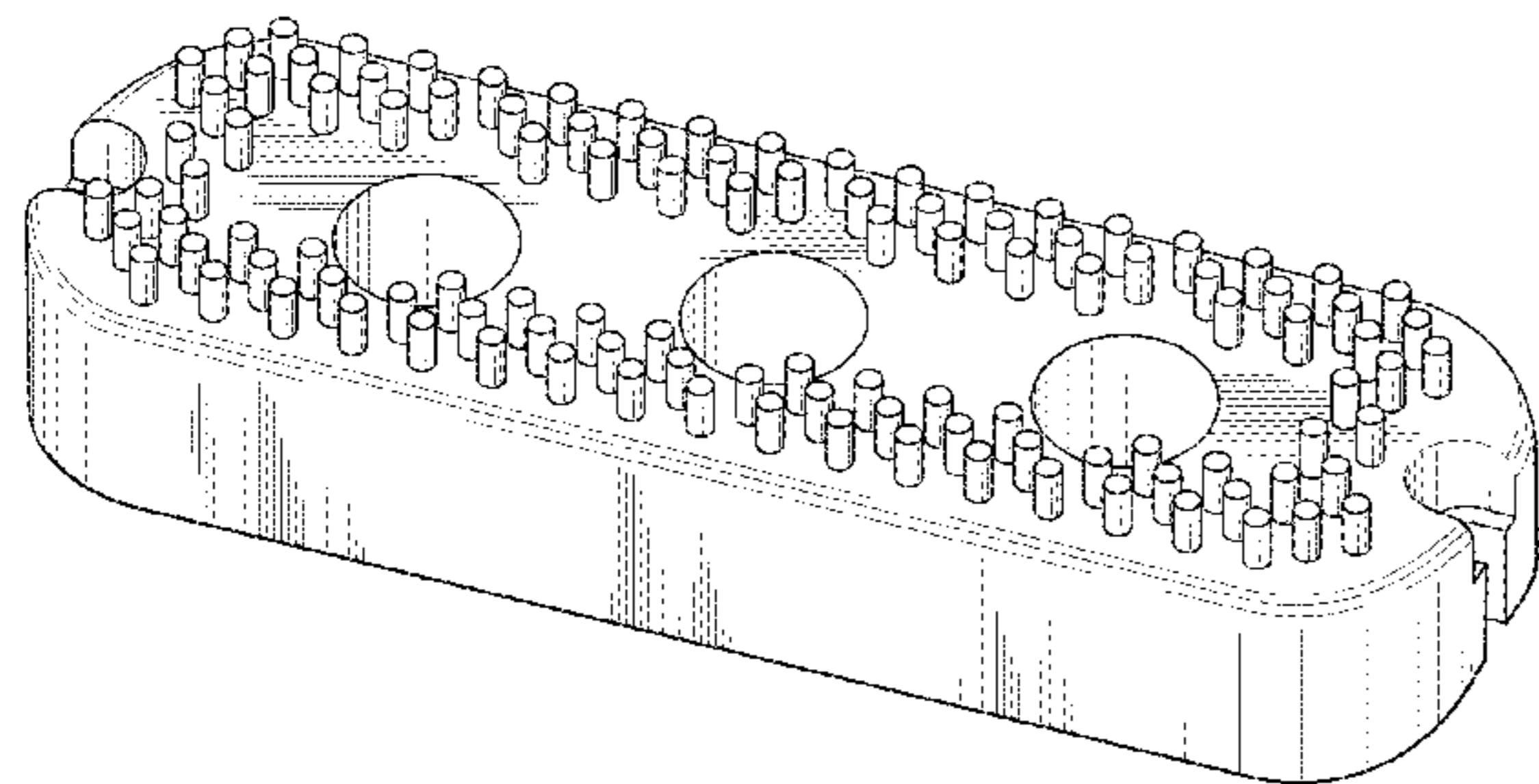
FIG. 4 is a bottom plan view thereof;

FIG. 5 is a right side view thereof; and,

FIG. 6 is a reference view showing a usable state thereof.

The broken line showing is included for the purpose of illustrating environment and forms no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D612,070 S * 3/2010 Usul et al. D25/113
D633,669 S * 3/2011 Rosenzweig D32/25
D637,006 S * 5/2011 Marsden et al. D4/199
D670,083 S * 11/2012 Treeby D4/130

OTHER PUBLICATIONS

Bath Anti- Cellulitis Spa Massage kit with Combo, Brush and Hair-brush isolated on White Background Stock Photo, Announced Aug. 21, 2011, [Site Visited Feb. 10, 2015] <https://www.colourbox.com/image/bath-anti-cellulitis-spa-massage-kit-with-comb-brush-and-hairbrush-isolated-on-white-background-image-2259785>.*

* cited by examiner

FIG. 1

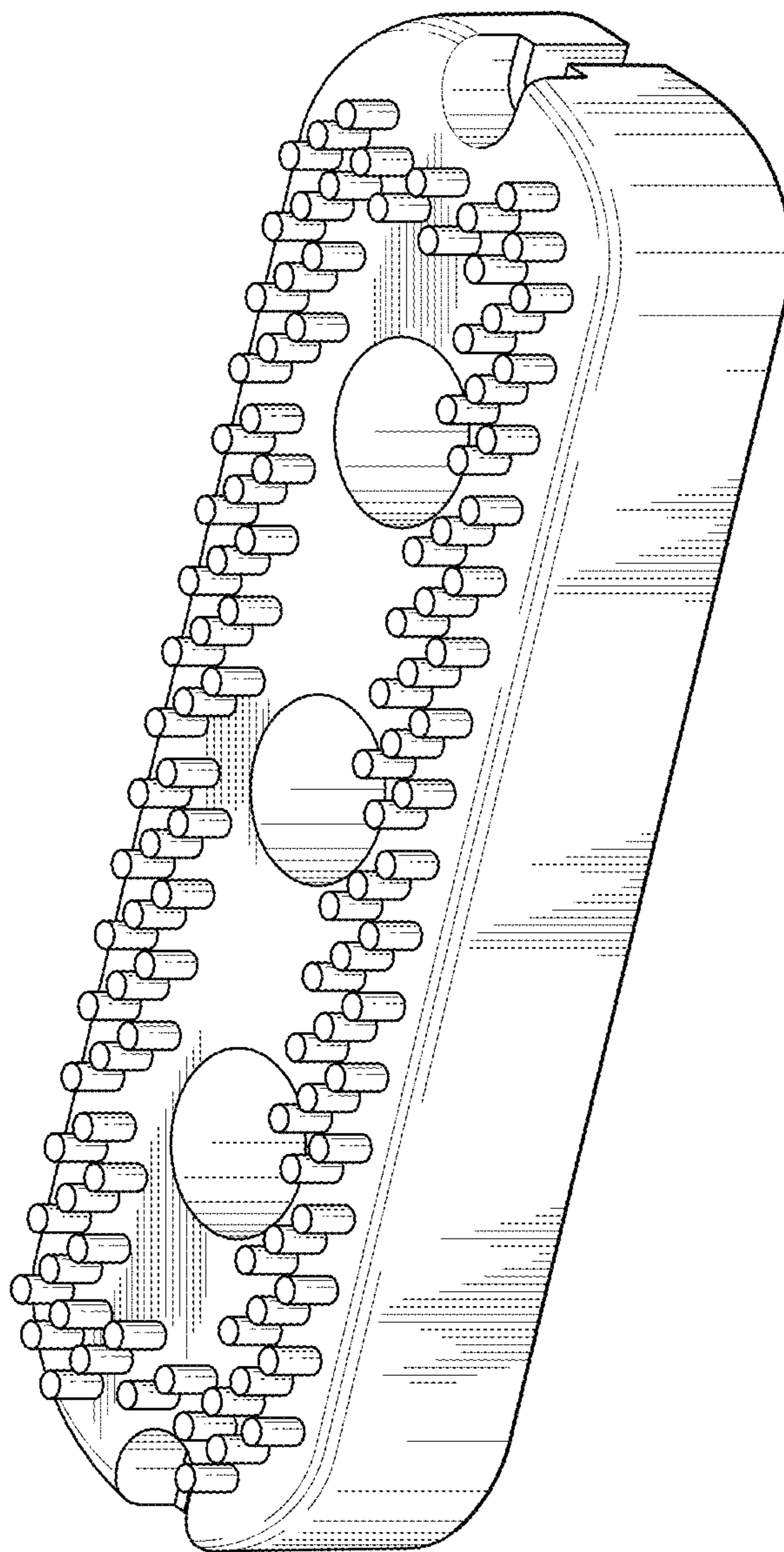


FIG. 2

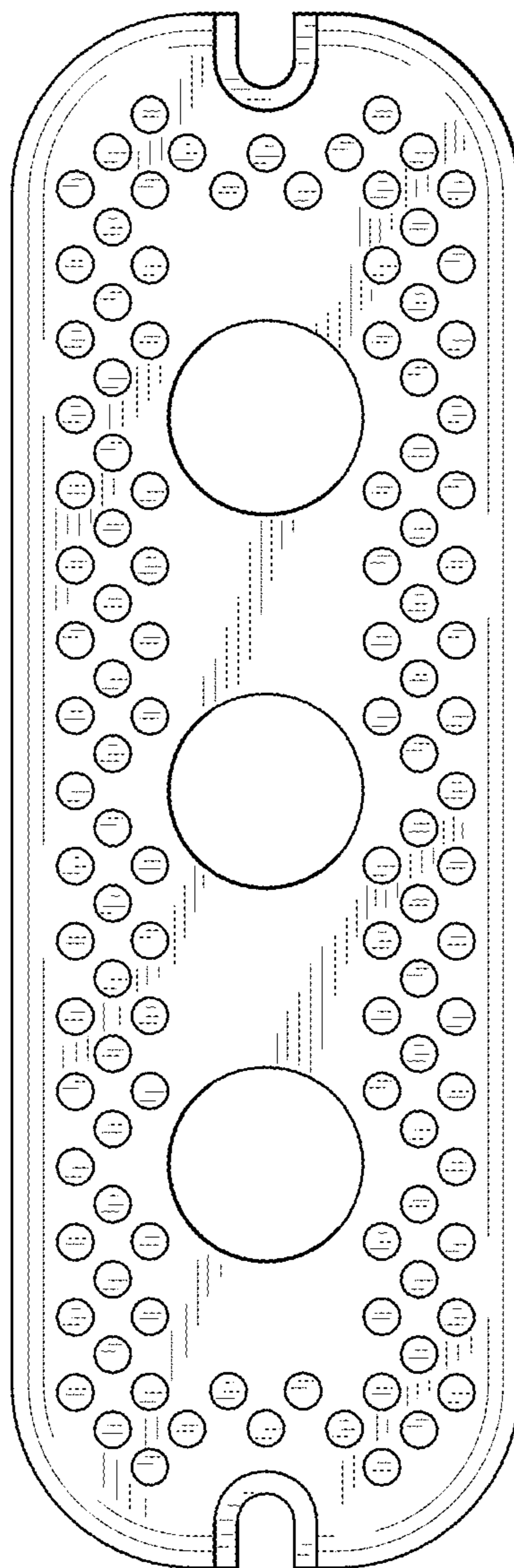


FIG. 3

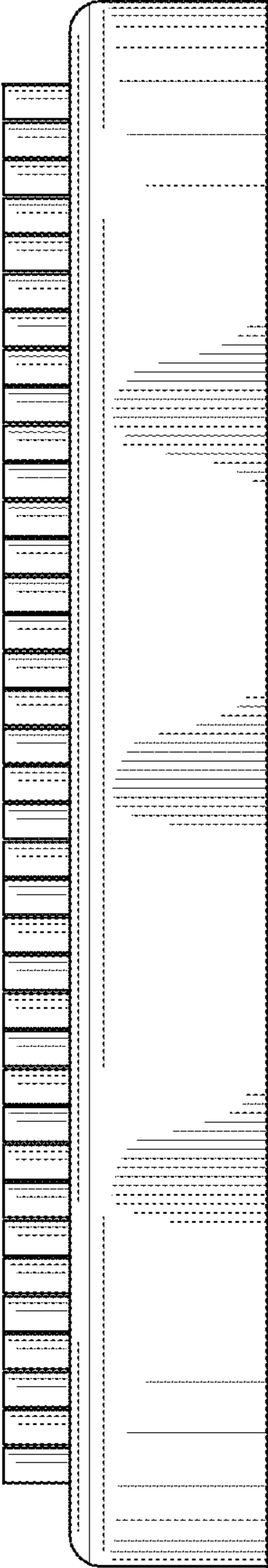


FIG. 4

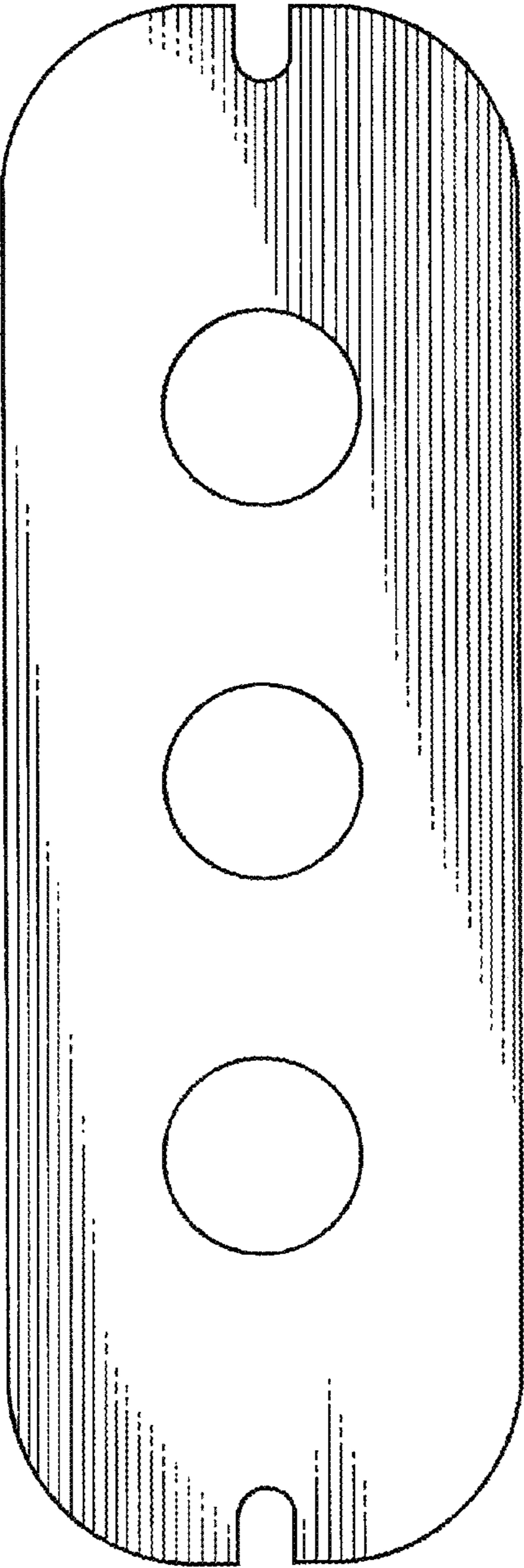
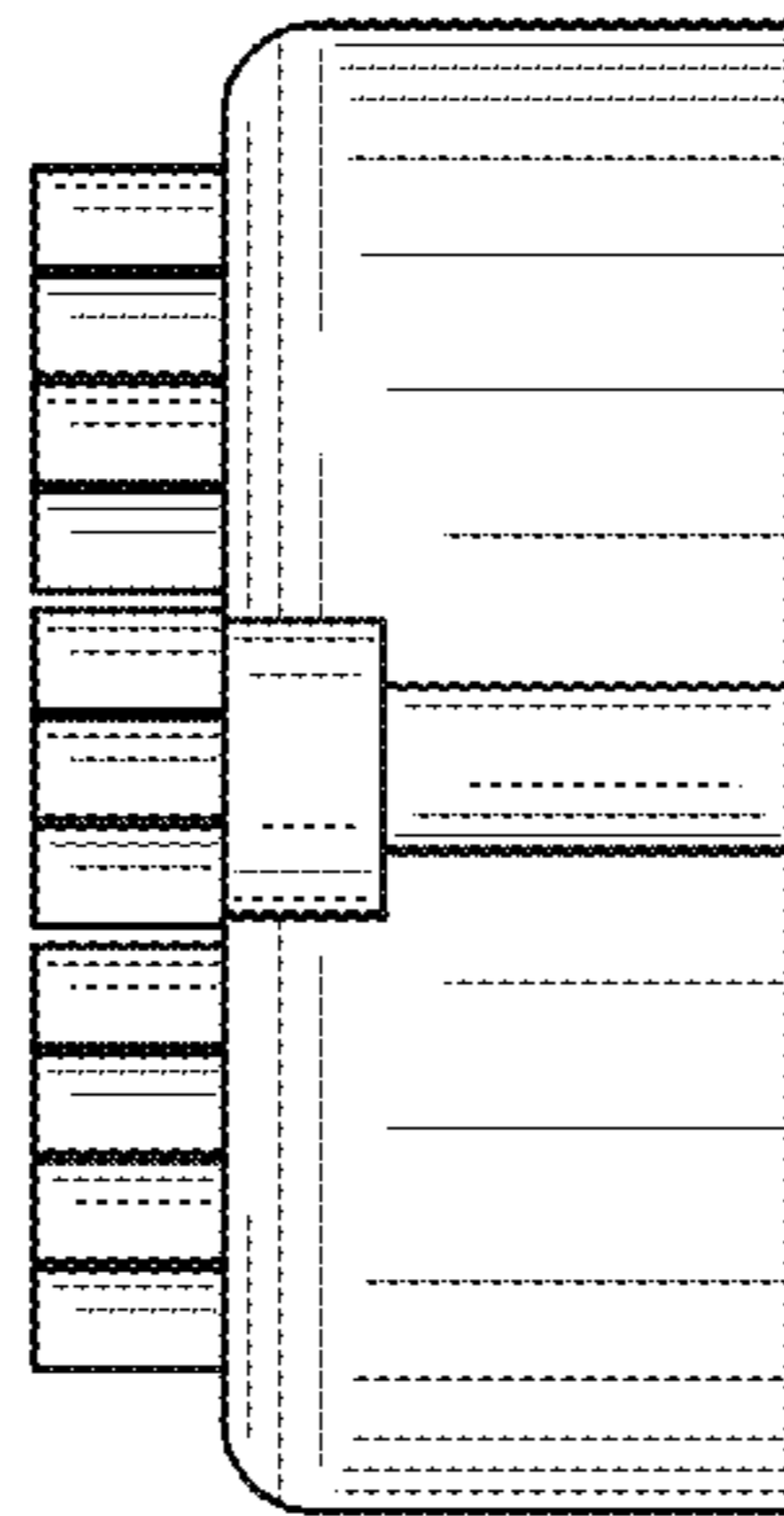


FIG. 5



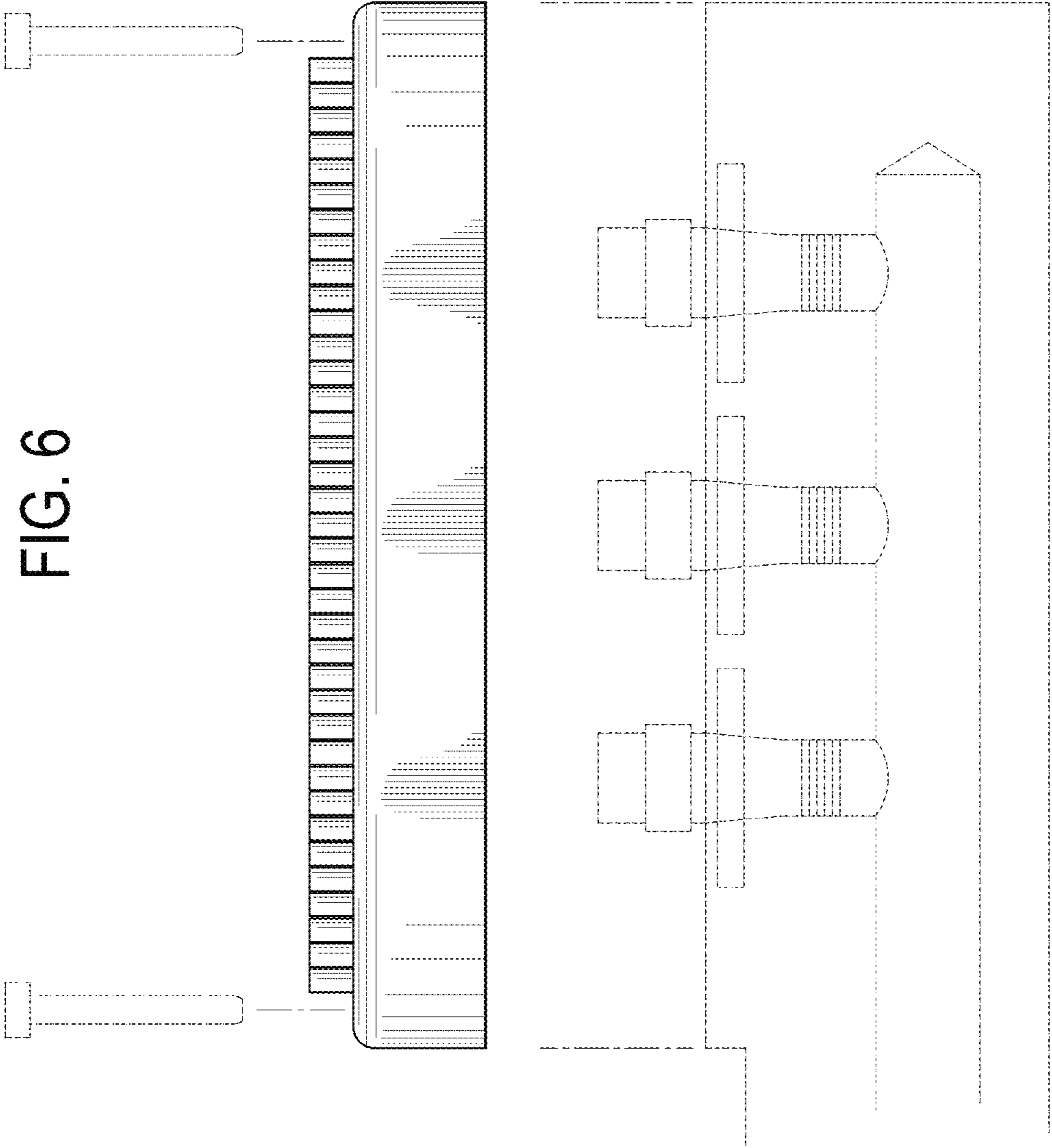


FIG. 6