



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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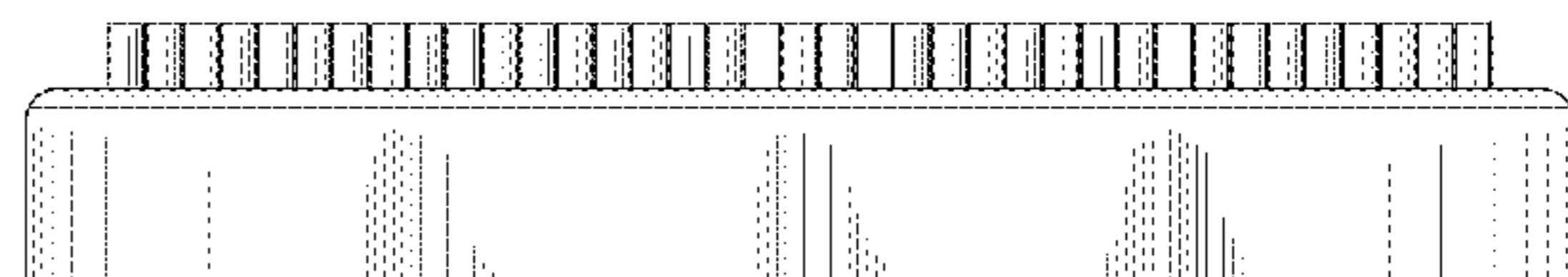
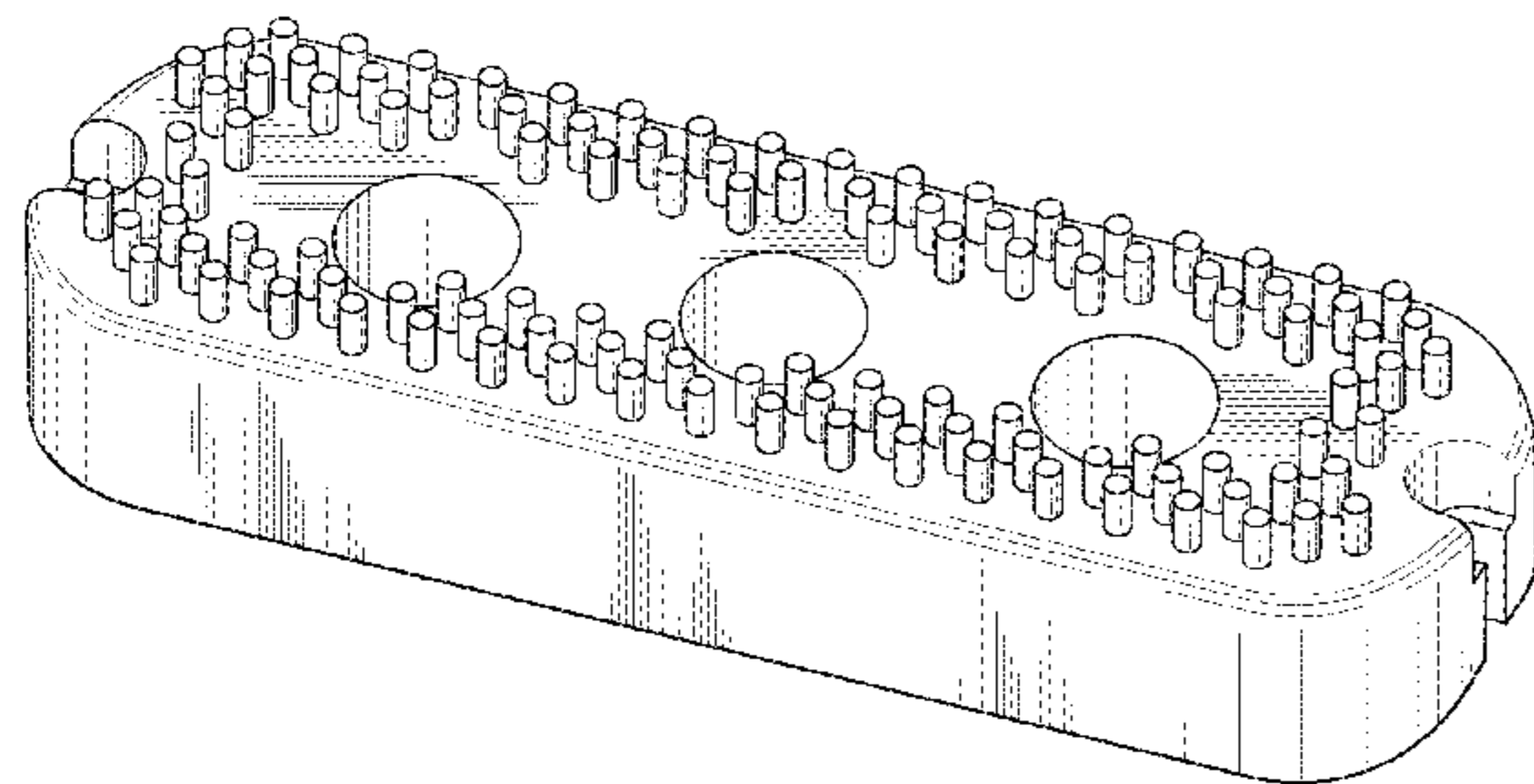
(57) **CLAIM**

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 Hairbrush 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

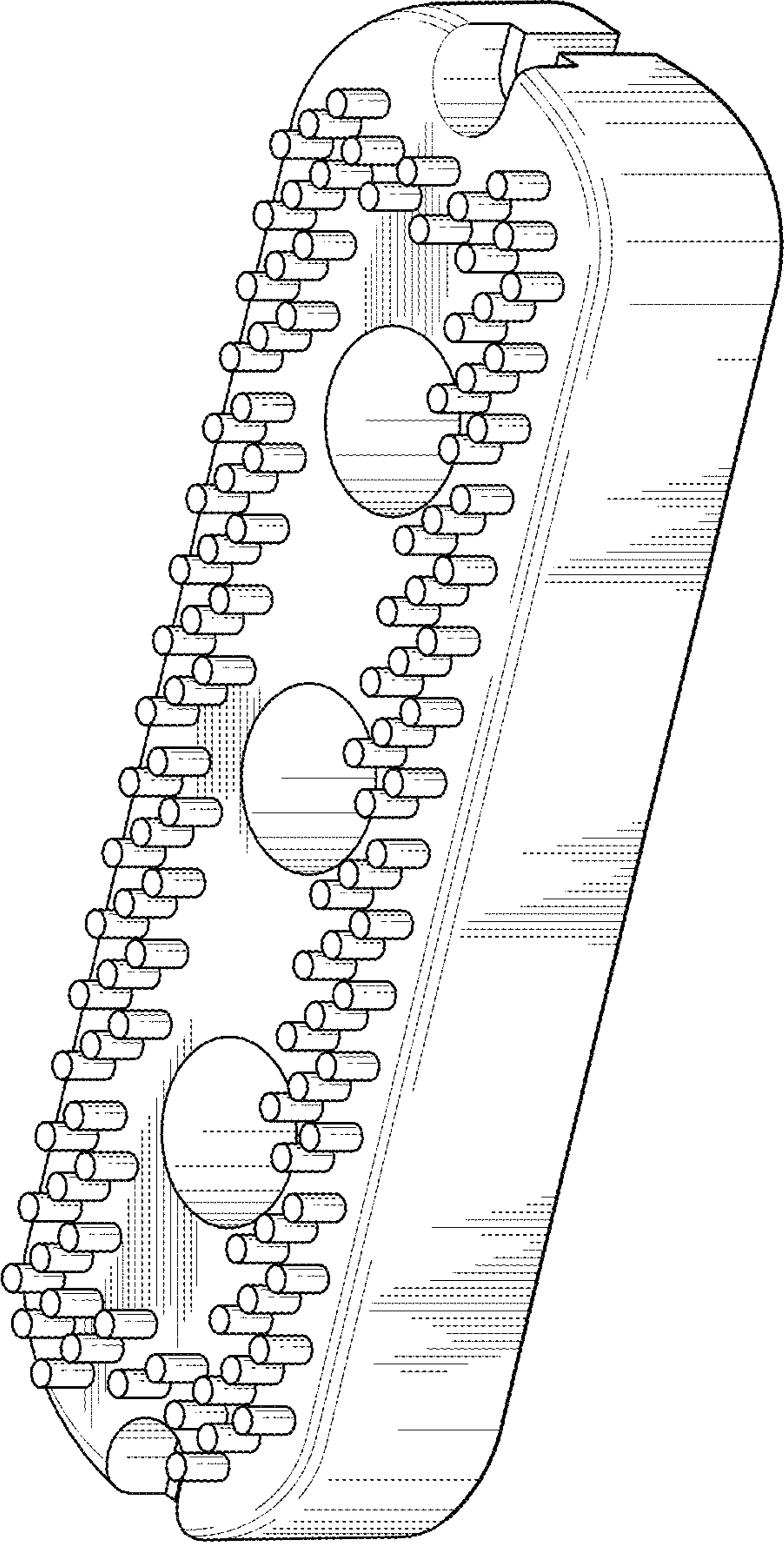


FIG. 2

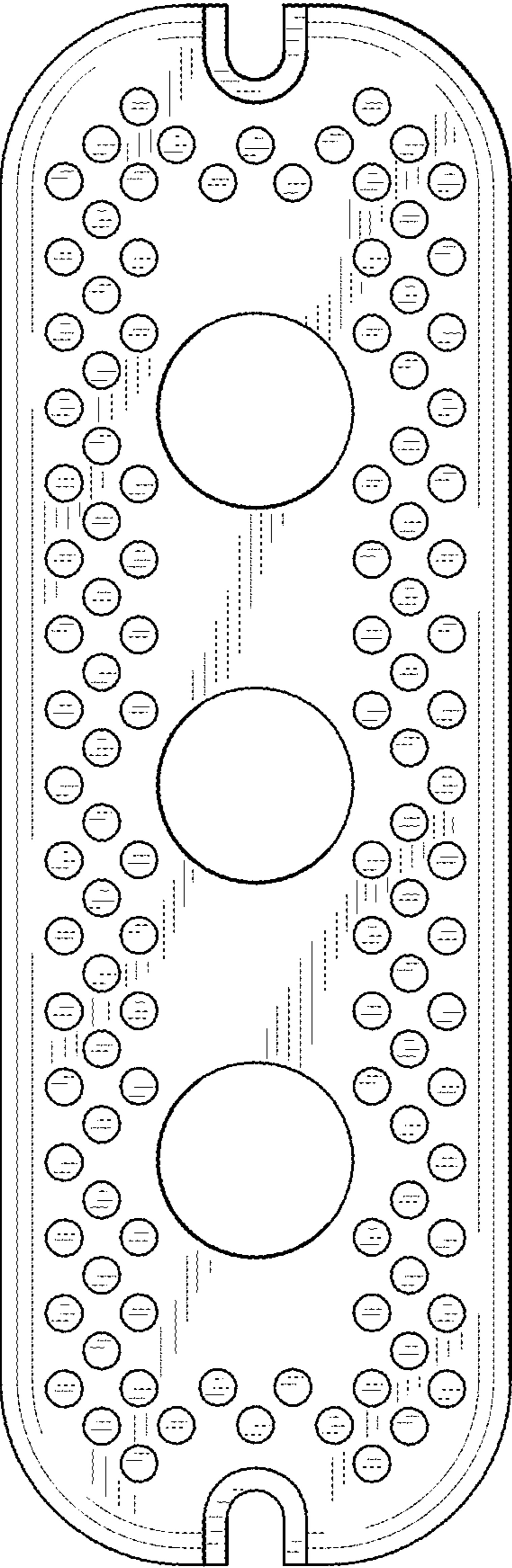


FIG. 3

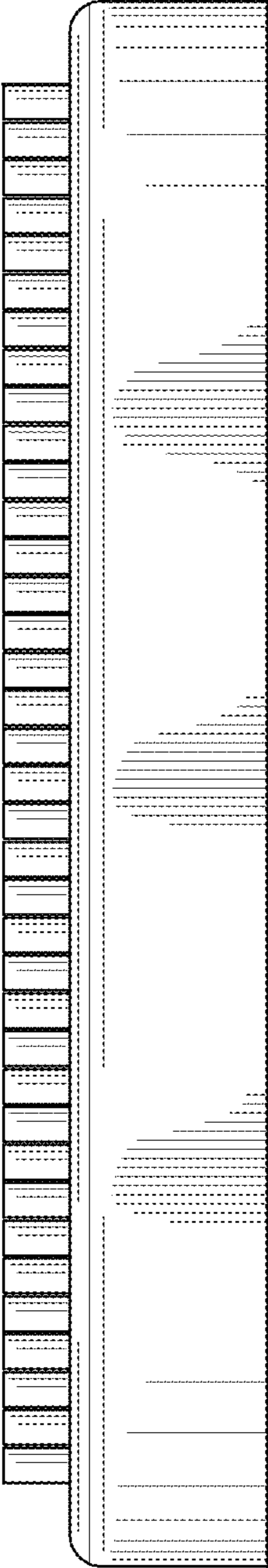


FIG. 4

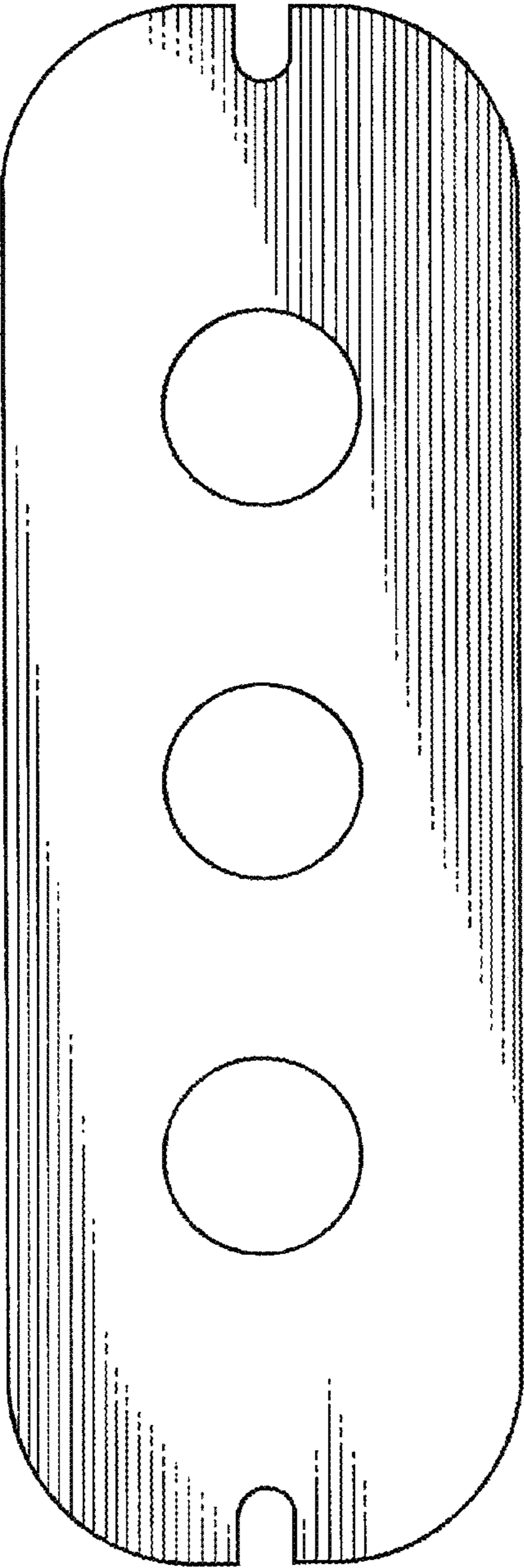
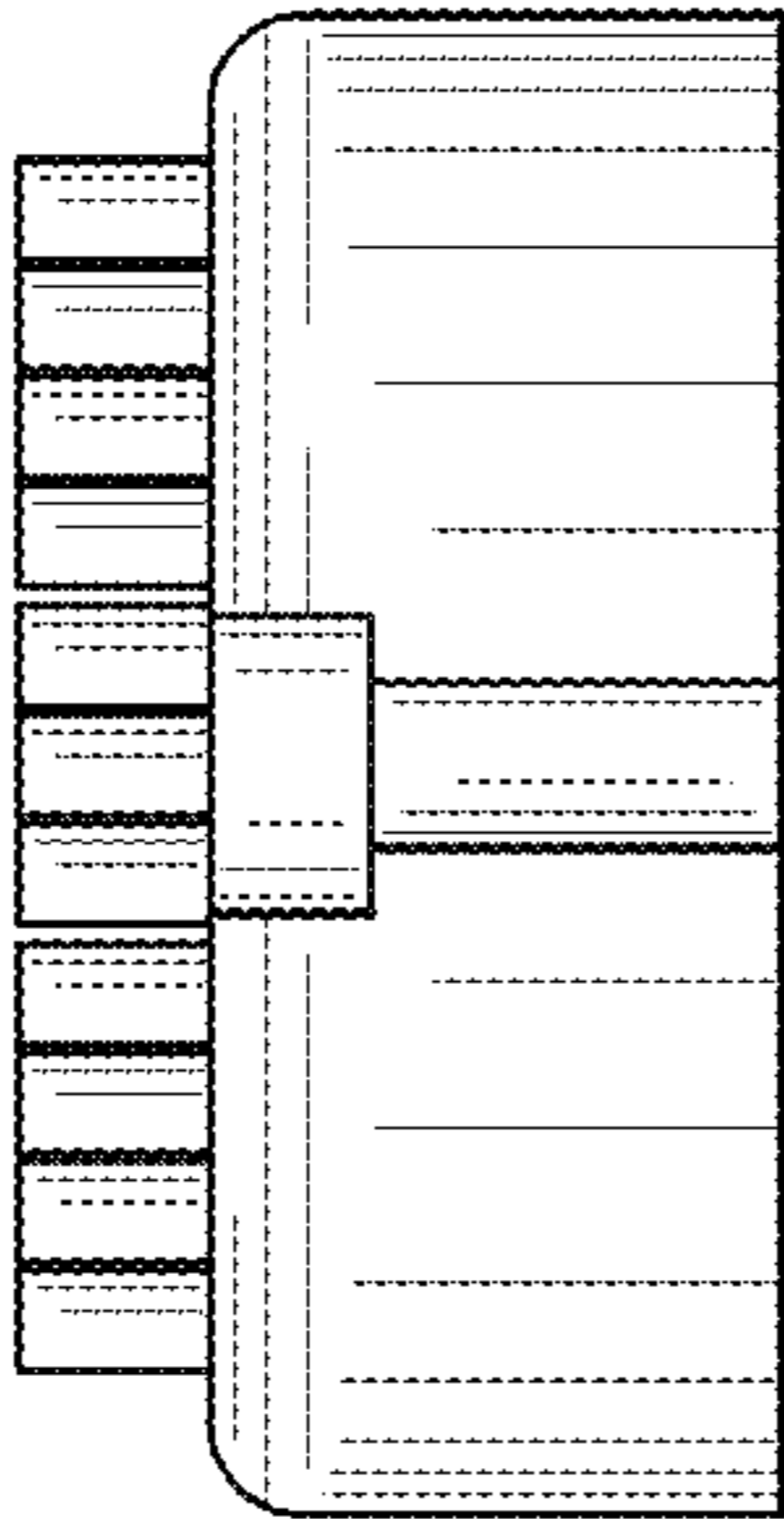


FIG. 5



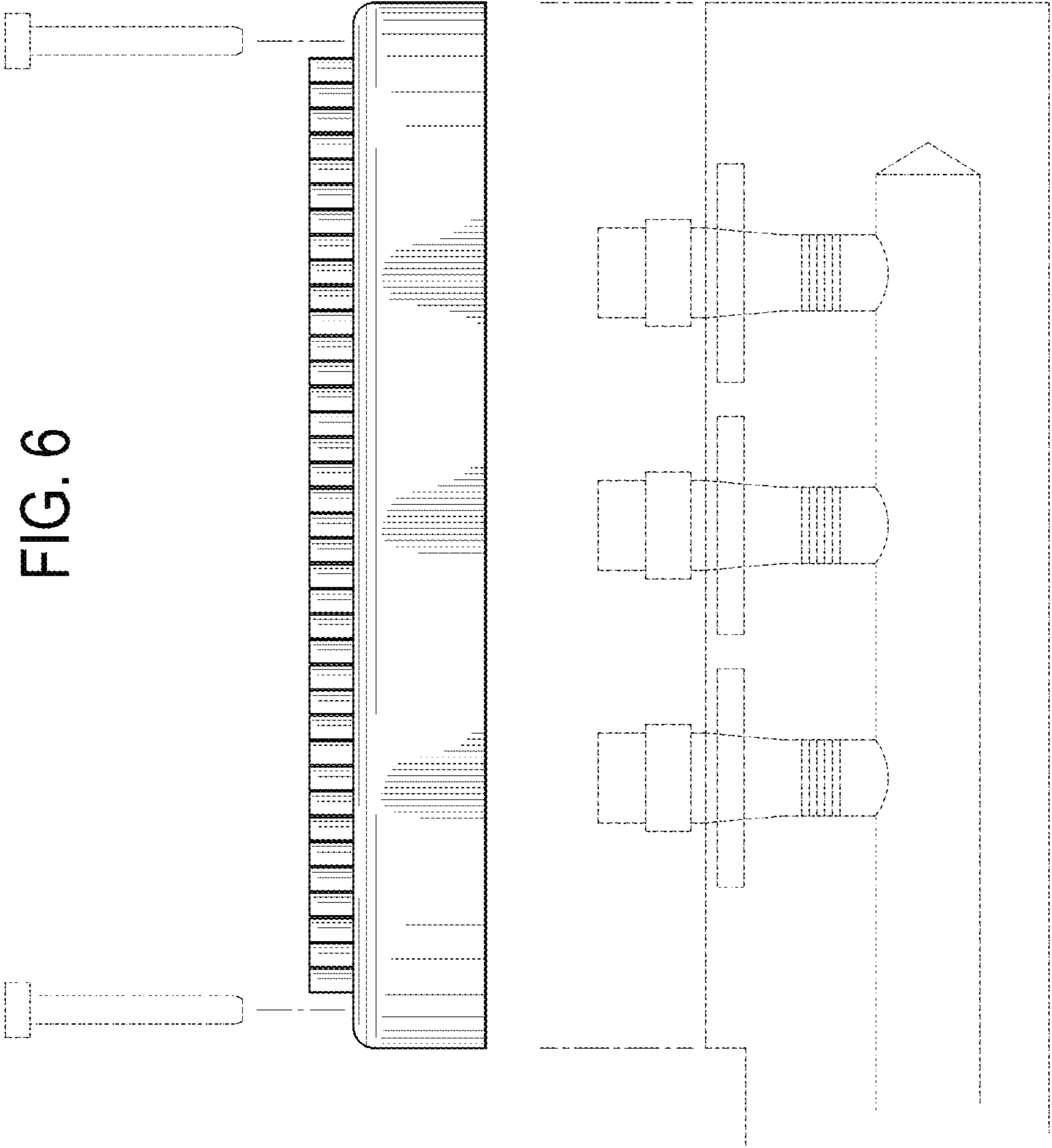


FIG. 6