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(12) **United States Design Patent** (10) **Patent No.:** **US D958,894 S**
Xu (45) **Date of Patent:** **** Jul. 26, 2022**

(54) **GRAVITY GAME DEVICE**

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(72) Inventor: **Minghuan Xu, Jian (CN)**

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

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(51) **LOC (13) Cl.** **21-01**

(52) **U.S. Cl.**
USPC **D21/336**

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273/241, 242, 244–247, 259, 275–277,
273/281, 282.1–282.3, 284, 287, 317.3,
273/108.1, 108.5, 118 D, 236–240, 283,
273/309, 441, 461; D6/406.1, 406.3,
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3/04; A63F 3/00097; A63F 3/0434; A63F
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2003/00223; A63F 2003/00457; A63F
2003/0046; A63F 2003/00463; A63F
2003/00466; A63F 2003/0047; A63F
2003/00485; A63F 2003/00492; A63F
2003/00507; A63F 2003/00514; A63F
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(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D197,134 S * 12/1963 Markham D21/336
3,195,266 A * 7/1965 Onanian A63H 33/101
52/603

(Continued)

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(57) **CLAIM**

The ornamental design for a gravity game device, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of a gravity game device, showing my design.

FIG. 2 is a second perspective view thereof.

FIG. 3 is a front elevation view thereof.

FIG. 4 is a rear elevation view thereof.

FIG. 5 is a left side elevation view thereof.

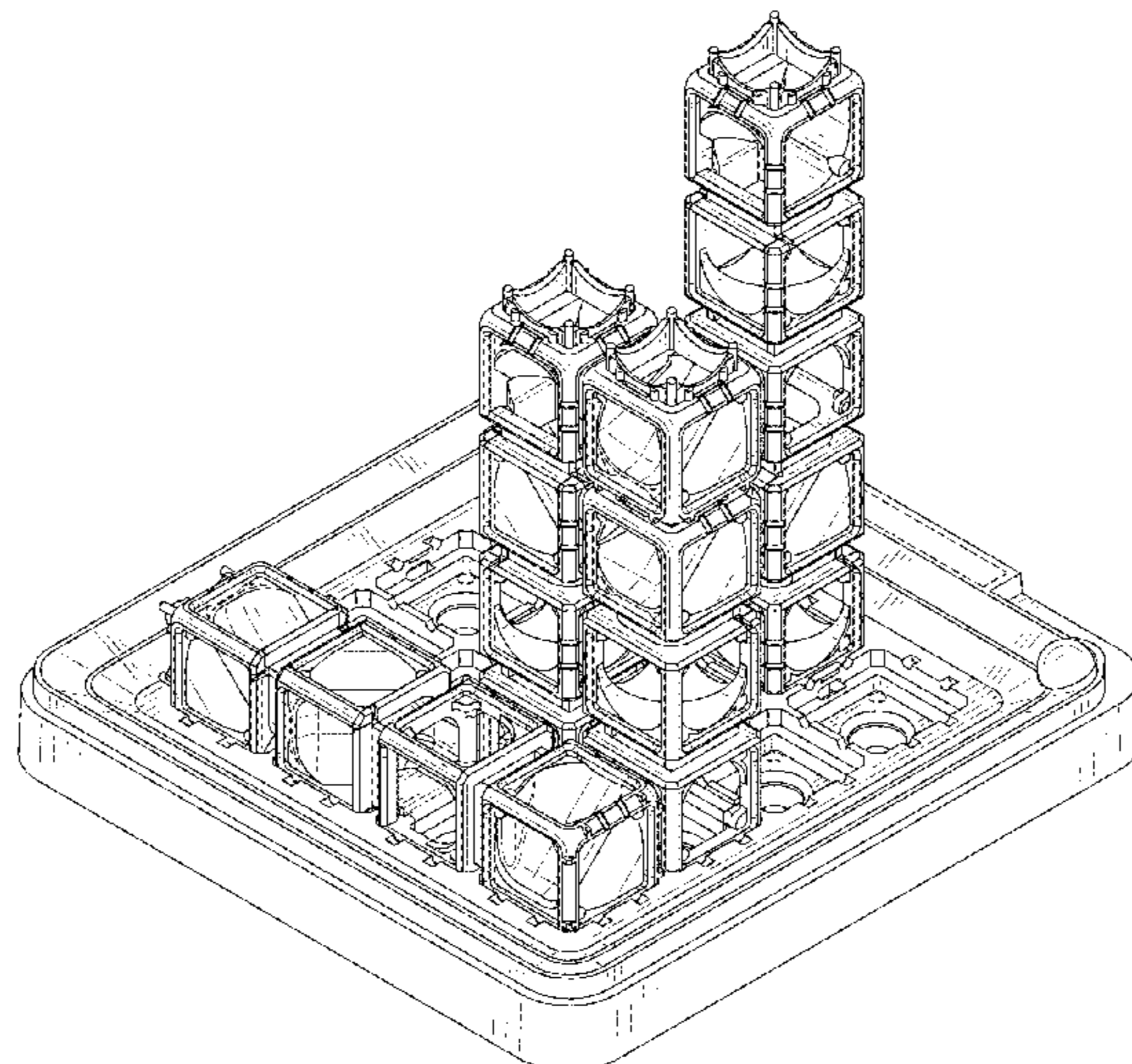
FIG. 6 is a right side elevation view thereof.

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

FIG. 8 is a bottom plan view thereof.

The broken lines are for environmental structure or boundaries only and form no part of the claimed designs to be patented.

1 Claim, 8 Drawing Sheets



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(58) **Field of Classification Search**

CPC 2009/0012; A63F 2009/1212–1228; A63F
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,496,670 A * 2/1970 Ryan A63H 33/088
446/124
D242,157 S * 11/1976 Missinich D21/336
D259,644 S * 6/1981 Israel D21/336
D285,318 S * 8/1986 Propsom D21/341
4,648,524 A * 3/1987 Ackermann A47B 88/90
220/510
4,776,597 A * 10/1988 Rudell A63F 3/0423
273/272
D299,933 S * 2/1989 Shalaon D21/336
4,819,945 A * 4/1989 Porcheddu A63F 3/0423
273/287
4,872,723 A * 10/1989 Kopf B60N 3/002
206/557
4,896,889 A * 1/1990 Kuhn A63F 3/0423
273/272
5,035,666 A * 7/1991 Kang A63F 9/0098
446/124
5,054,789 A * 10/1991 Pellerin A63F 3/0423
273/288

D363,091 S * 10/1995 Dobis D21/336
5,560,612 A * 10/1996 Ippoliti A63F 3/0415
273/272
6,257,575 B1 * 7/2001 Ortega A63F 3/00214
273/287
6,679,780 B1 * 1/2004 Shih A63F 9/1204
273/156
6,893,020 B1 * 5/2005 Snyder A63F 9/20
273/287
D509,858 S * 9/2005 May D21/499
D526,027 S * 8/2006 Smith D21/336
7,219,895 B1 * 5/2007 Hutchins, Jr. A63F 3/02
273/261
D630,685 S * 1/2011 Bodin D21/499
D660,917 S * 5/2012 Flowers D21/349
D692,501 S * 10/2013 Flowers D21/339
D795,360 S * 8/2017 Ahn D21/499
D796,588 S * 9/2017 Poulus D21/484
D802,678 S * 11/2017 Wimer D21/336
D872,186 S * 1/2020 Mason D21/336
D911,450 S * 2/2021 Peeters D21/336
D912,156 S * 3/2021 Peeters D21/342
2005/0191932 A1 * 9/2005 Lin A63H 33/086
446/85
2010/0210173 A1 * 8/2010 Maggiore A63H 33/086
446/124
2012/0098196 A1 * 4/2012 Roberts A63F 3/00533
273/287

* cited by examiner

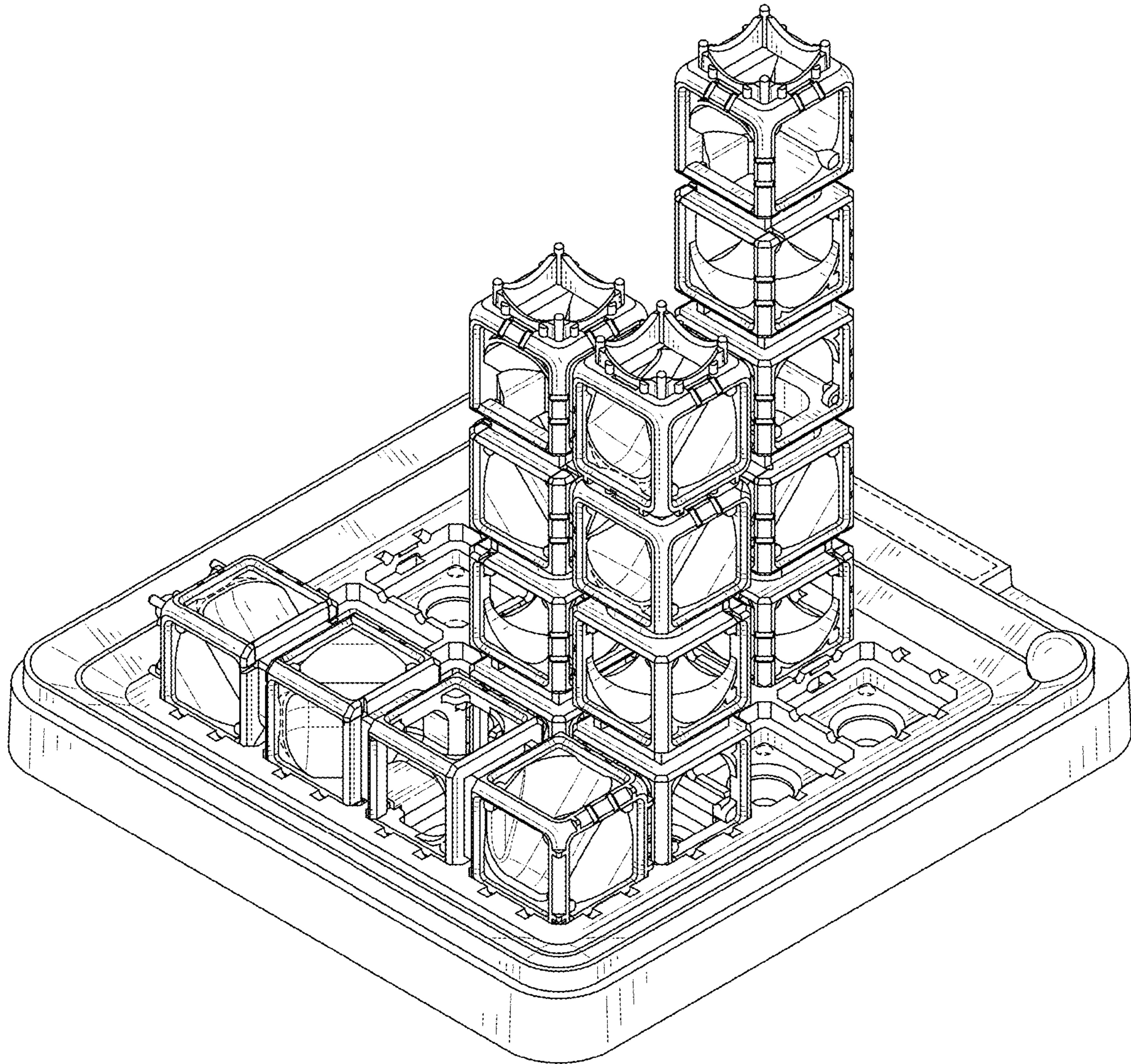


FIG. 1

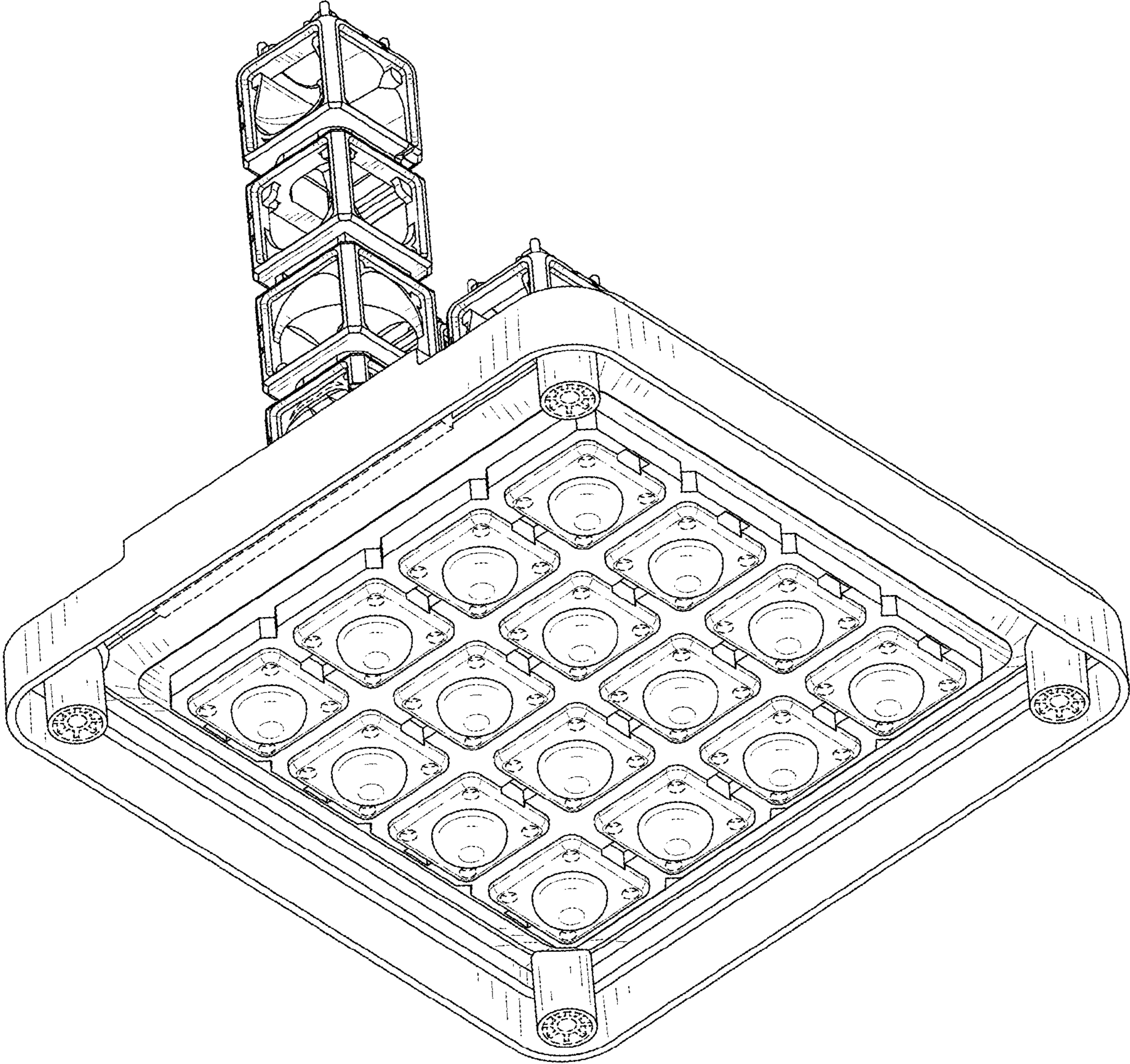


FIG. 2

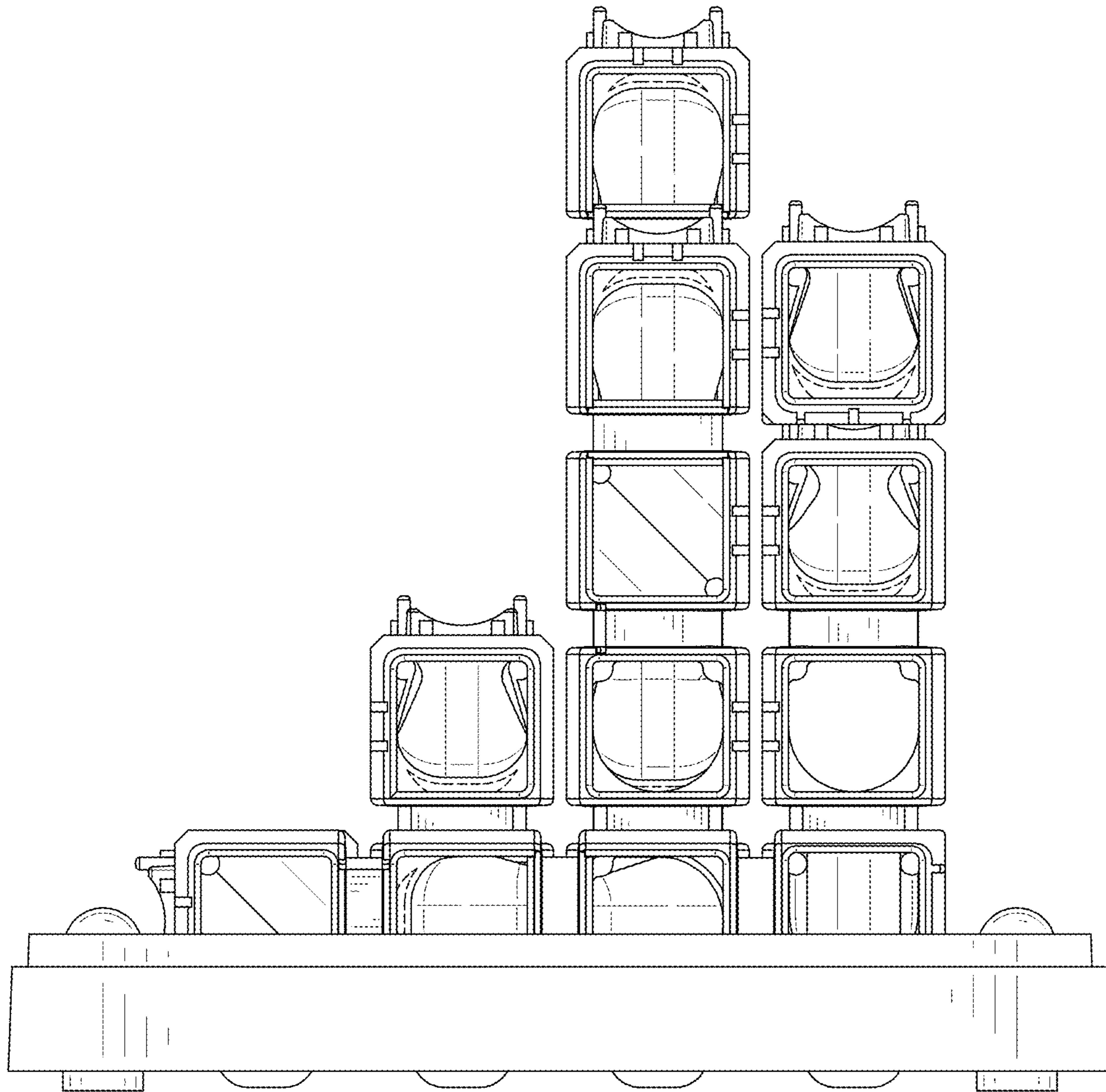


FIG. 3

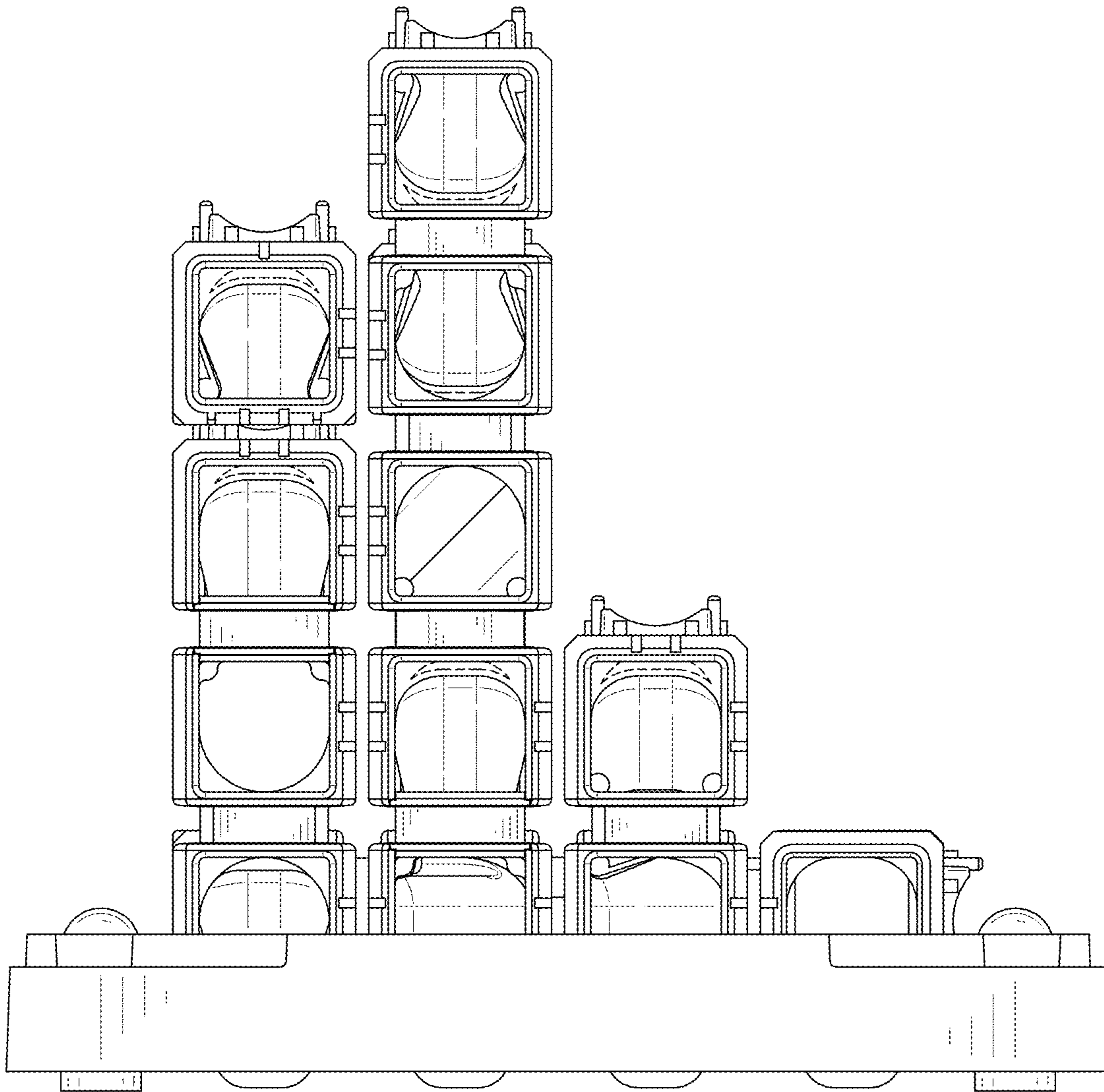


FIG. 4

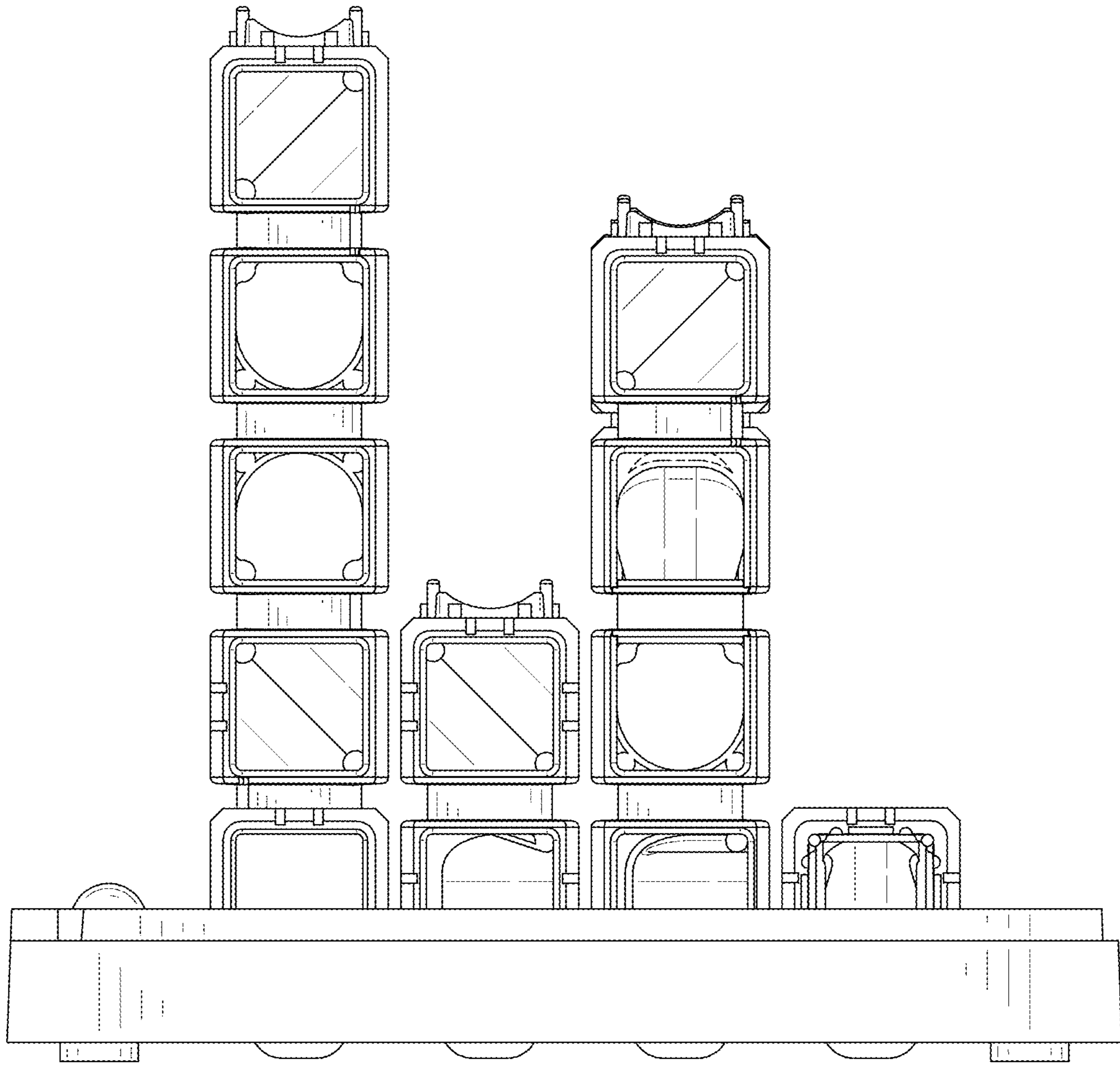


FIG. 5

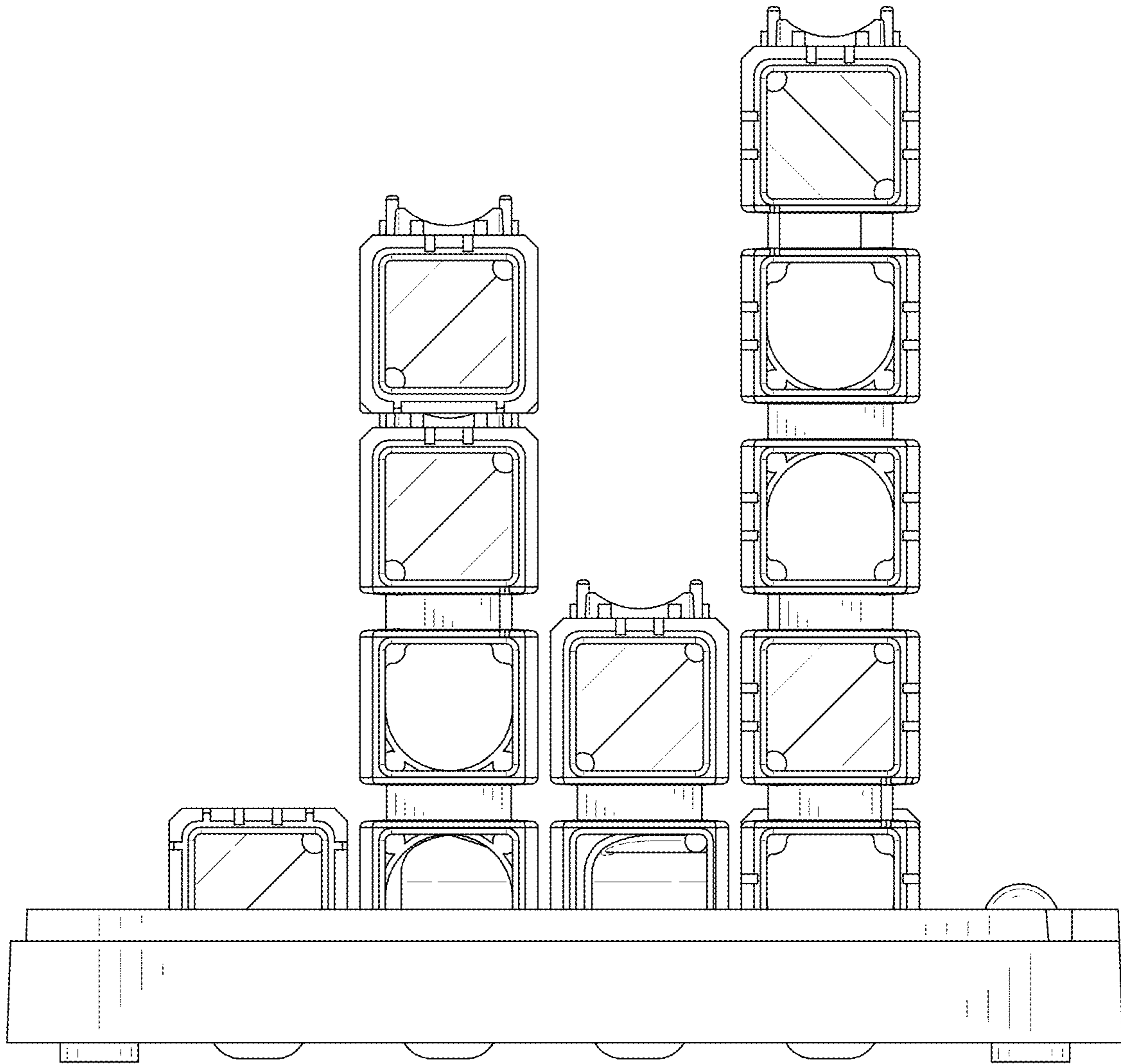


FIG. 6

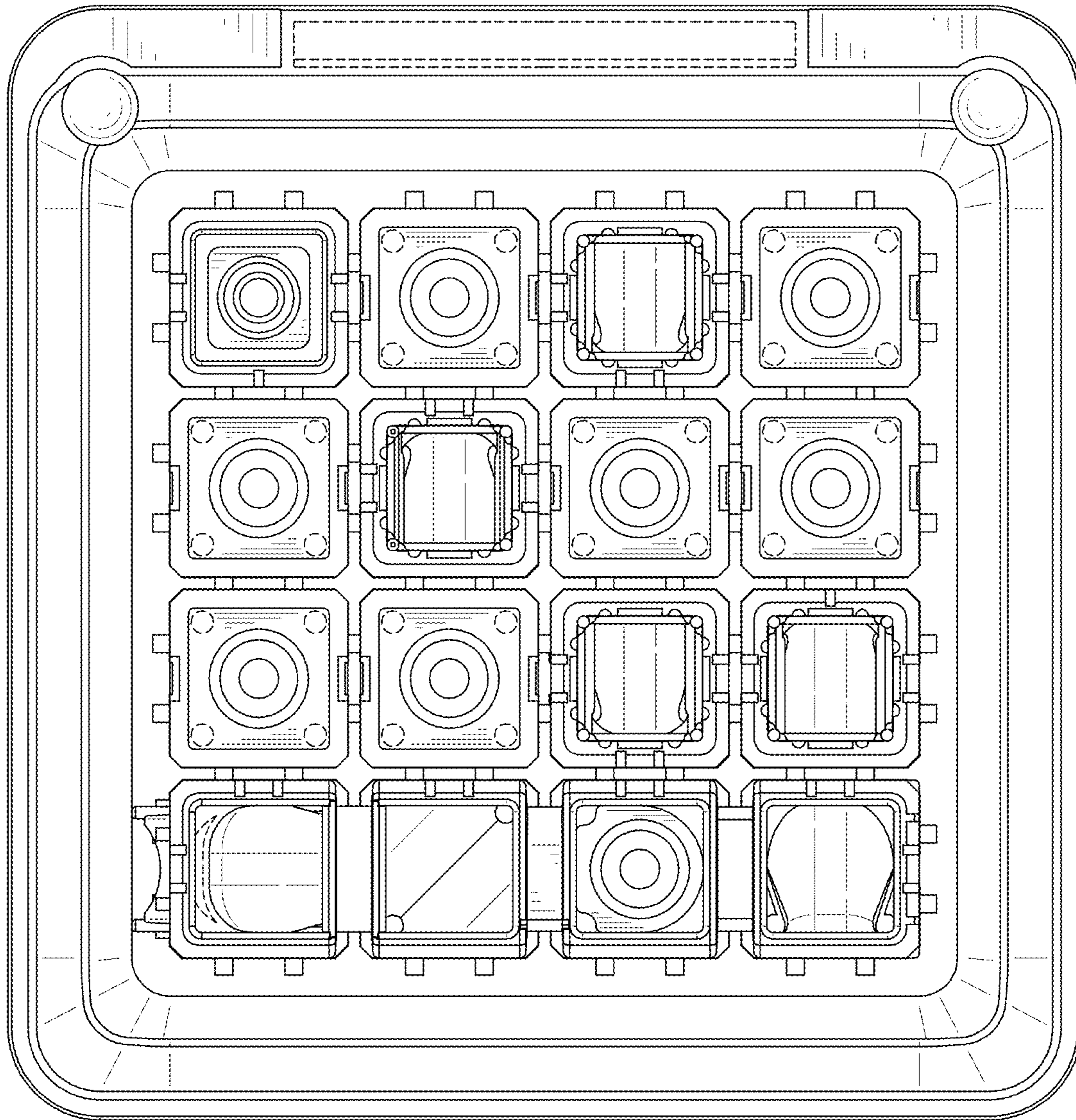


FIG. 7

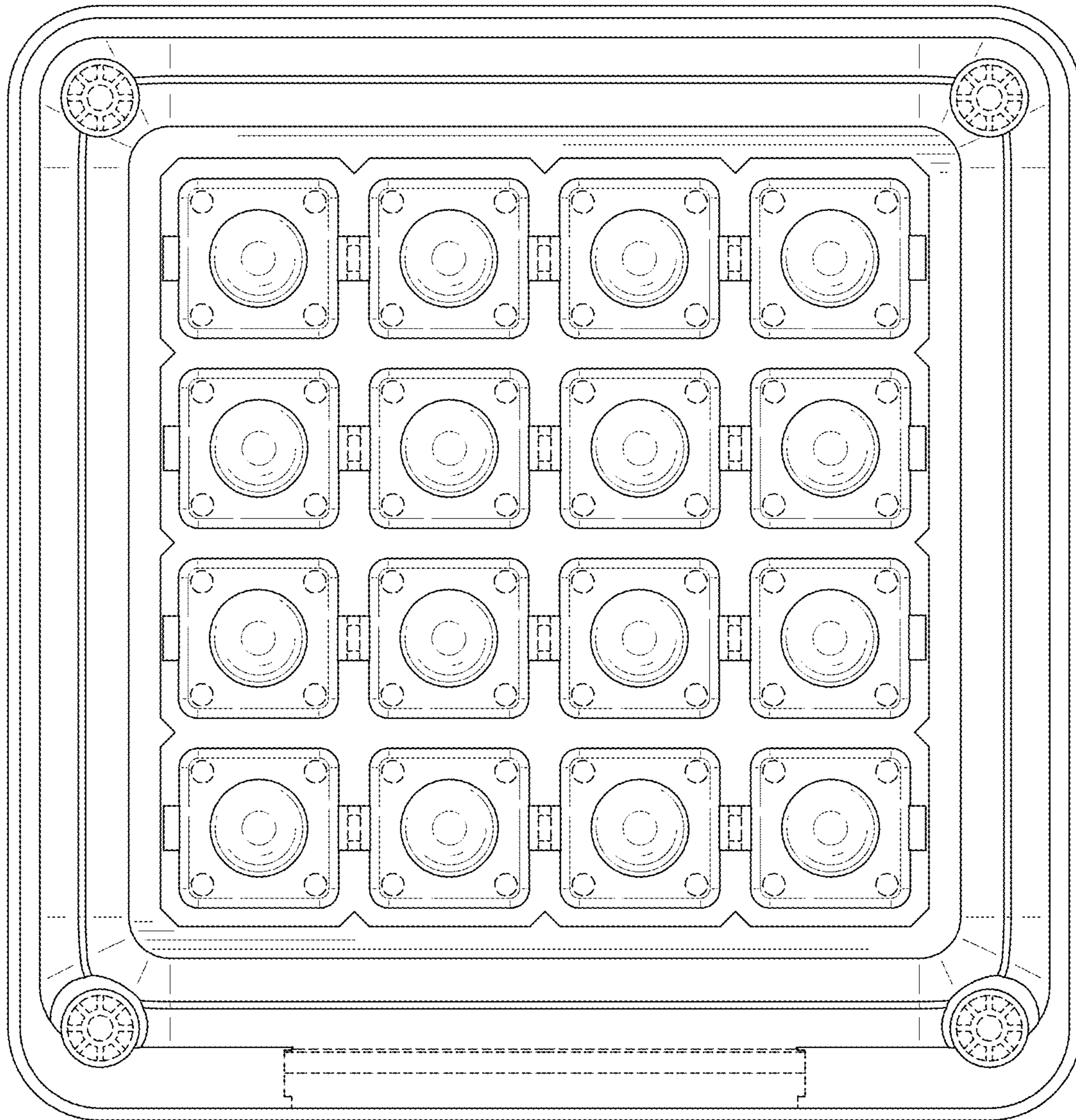


FIG. 8