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(12) **United States Design Patent** (10) **Patent No.:** **US D972,569 S**
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(54) **MULTI-FUNCTION POLE AND PLATE INTERFACE**

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

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(51) **LOC (13) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/433**

(58) **Field of Classification Search**
USPC D8/19, 71, 349, 354, 355, 356, 382, 383, D8/394, 395, 396, 499; D13/133, 148, D13/149; D14/432, 433; 174/140 R; 248/68.1; 439/108, 411, 92
CPC F16G 11/00; F16G 11/02; F16G 11/103; F16G 11/046; F16G 11/048; F16G 11/105; F16L 33/12; F16L 33/08; F16L 33/02; H02G 3/30; H02G 7/06; A62C 13/78; A47K 10/14; A47G 25/0657; A47G 1/21

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,667,723 A * 5/1987 Spangenberg E06B 9/324 160/178.2
- 5,794,897 A 8/1998 Jobin et al.
- 6,354,543 B1 3/2002 Paske

- 6,443,402 B1 9/2002 Ferrill et al.
- D494,448 S * 8/2004 Perri D8/356
- D494,449 S * 8/2004 Perri D8/356
- 6,899,305 B2 5/2005 Korczak et al.
- D538,137 S * 3/2007 Dukes D8/367
- D565,389 S * 4/2008 Harmon D8/356
- D597,402 S * 8/2009 Garza D8/380
- D633,378 S * 3/2011 Chan D8/383
- 8,011,621 B2 9/2011 Korczak
- 8,439,316 B2 5/2013 Feige
- 9,086,175 B2 7/2015 Feige
- D765,494 S * 9/2016 Chan D8/356
- 9,853,434 B2 12/2017 Vaccaro
- 9,866,004 B2 1/2018 Vaccaro
- 9,903,510 B2 2/2018 Joshi et al.
- 9,995,414 B2 6/2018 Joshi et al.
- 10,158,218 B2 12/2018 Vaccaro et al.

(Continued)

OTHER PUBLICATIONS

SitePro1 a Valmont Company (website), https://www.sitepro1.com/store/cart.php?m=product_list&c=1, Oct. 21, 2006.

(Continued)

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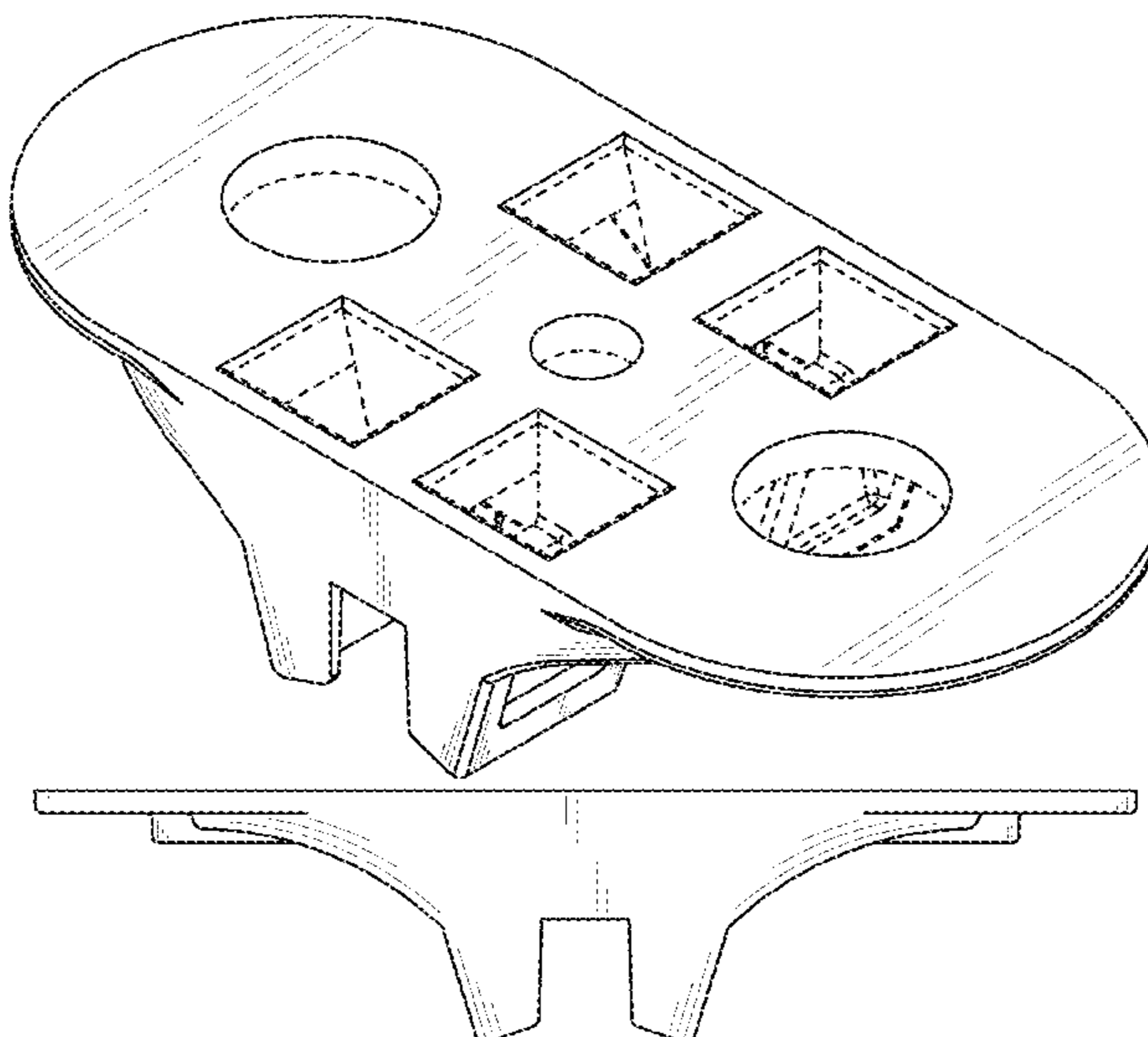
(57) **CLAIM**

The ornamental design for a multi-function pole and plate interface, shown and described herein.

DESCRIPTION

FIG. 1 is a top, side perspective view of a multi-function pole and plate interface, showing the new design; FIG. 2 is a side elevational view thereof; FIG. 3 is a top view thereof; and, FIG. 4 is an end elevational view thereof. The broken line portion of the figure drawings is included to show portions of the article that form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

10,243,339 B2 3/2019 Vaccaro et al.
10,253,906 B2 4/2019 Vaccaro
10,422,446 B2 9/2019 Joshi et al.
D879,782 S * 3/2020 Bell D8/356
D879,783 S * 3/2020 Bell D8/356
D879,786 S * 3/2020 Bell D8/356
D890,182 S * 7/2020 Bell D8/356
D897,191 S * 9/2020 Bell D8/356
D908,098 S * 1/2021 Kim D13/133
D938,953 S * 12/2021 Nedelea D14/433
2002/0066833 A1 6/2002 Ferrill et al.
2008/0034556 A1* 2/2008 Liao A43C 3/00
24/132 R
2009/0294602 A1 12/2009 Korczak
2014/0086704 A1 3/2014 Hemingway et al.

OTHER PUBLICATIONS

Petrilla Technologies, LLC (website), <https://petrillatechnologies.com/support-accessories.html>, Mar. 24, 2017.

CommScope (website), https://www.commscope.com/catalog/tools_accessories/product.aspx?id=46, Oct. 28, 2012.

FIMO, "Product Data Sheet, BAP 10, Plastic Socle for BFI 10 Threaded Bars" Apr. 13, 2016 (and associated photograph).

* cited by examiner

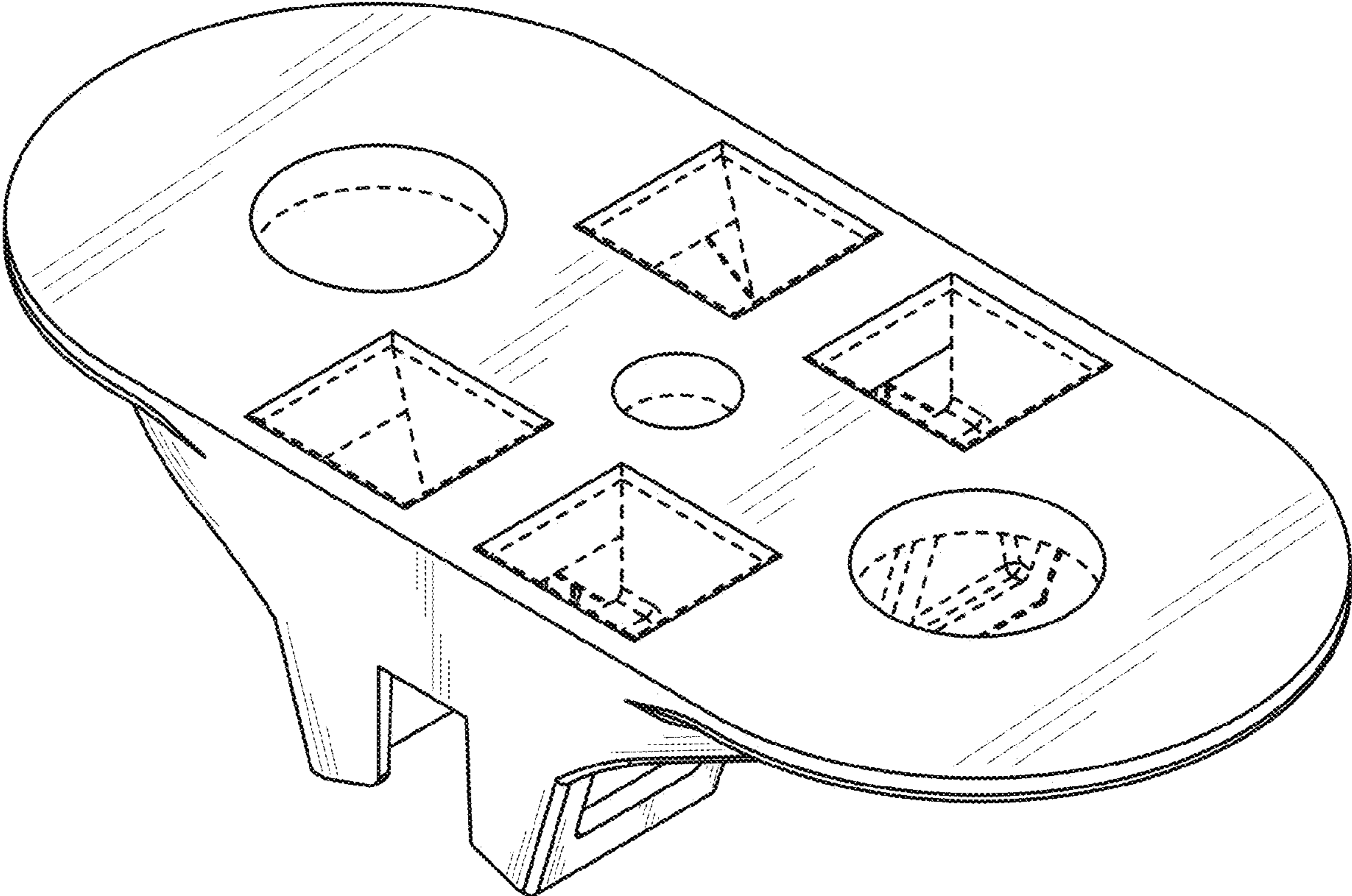


FIG. 1

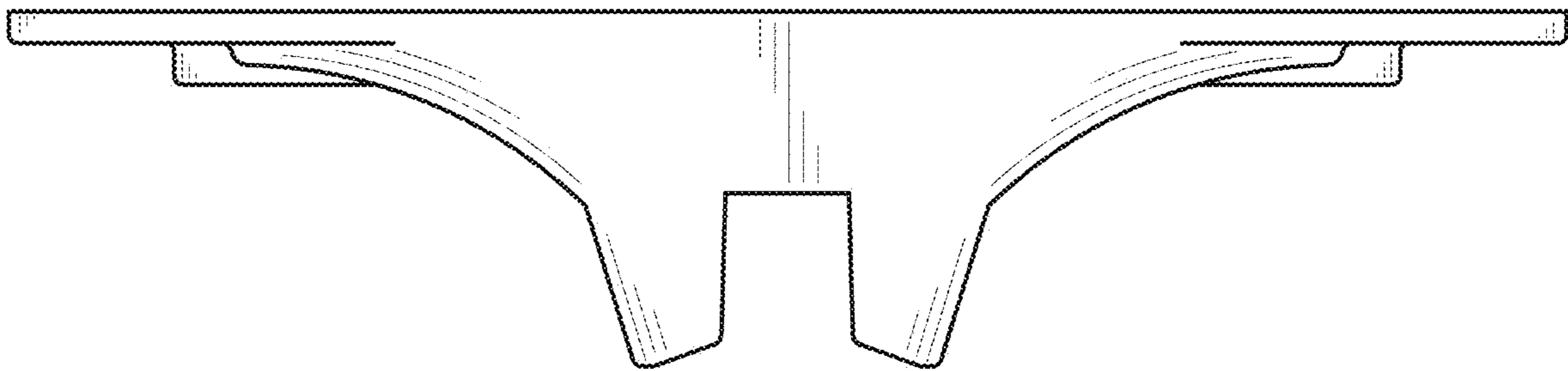


FIG. 2

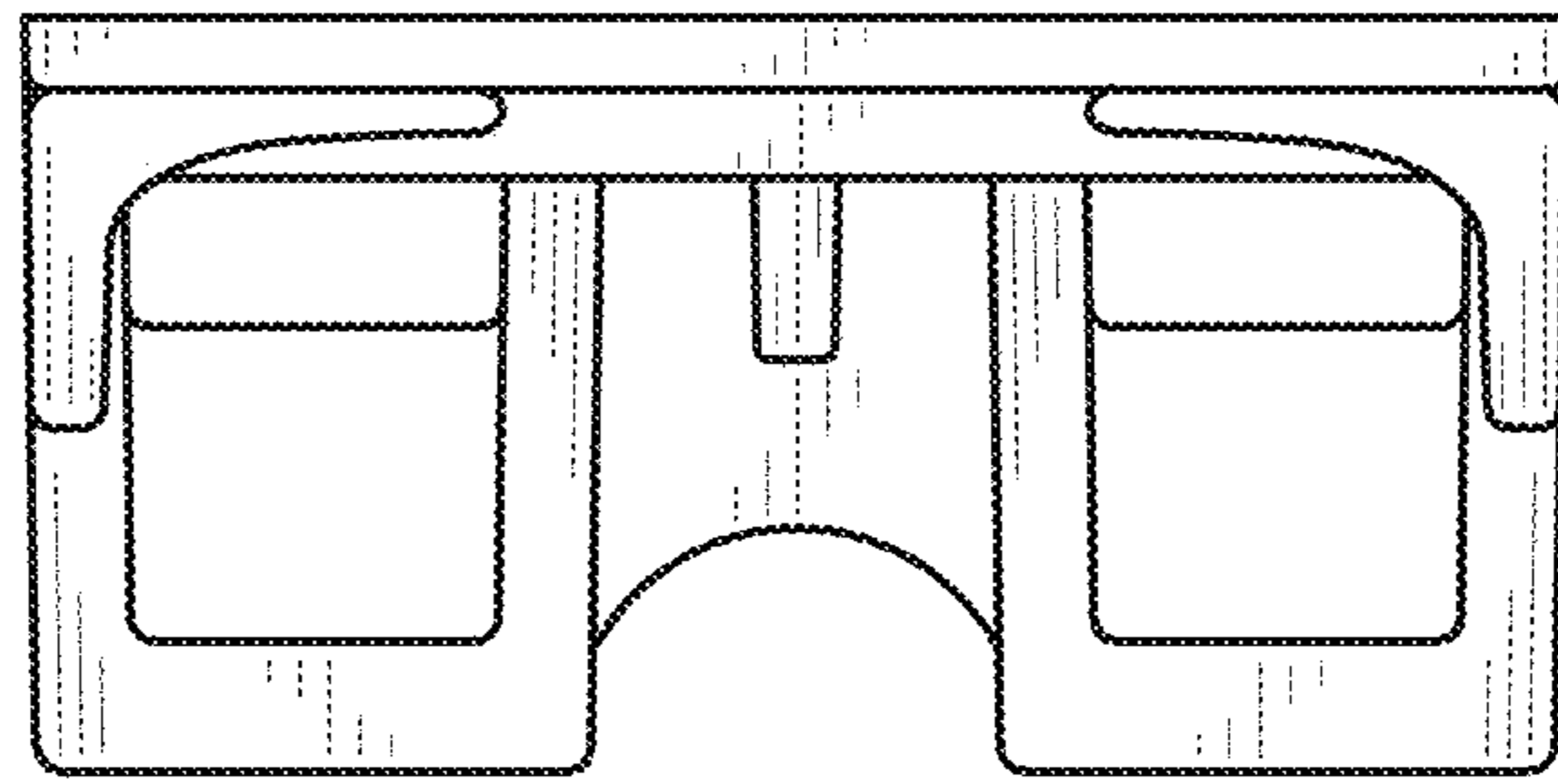


FIG. 3

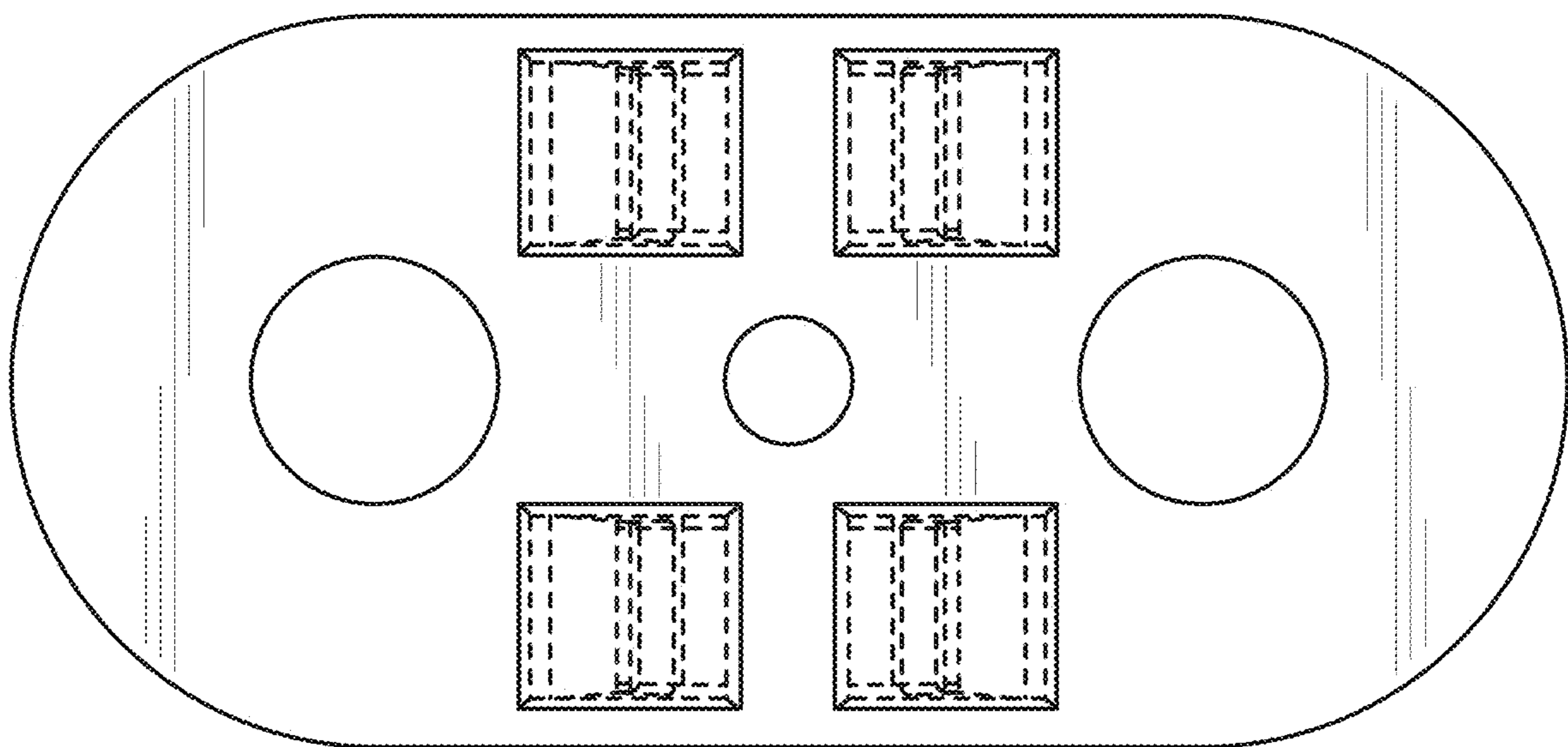


FIG. 4