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(12) **United States Design Patent** (10) **Patent No.:** **US D978,980 S**
Colayco et al. (45) **Date of Patent:** **** Feb. 21, 2023**

(54) **MOLD TOOL**
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D631,105 S * 1/2011 Cohen D6/337
D683,233 S * 5/2013 Lo D9/638
D689,140 S * 9/2013 Lo D9/638
D805,914 S * 12/2017 Jackman D9/636
D815,480 S * 4/2018 Halioua D9/638
D884,089 S * 5/2020 Lane D9/424
D884,090 S * 5/2020 Lane D9/424

(Continued)

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CN 303339958 * 8/2015
CN 304209677 * 7/2017

(Continued)

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(52) **U.S. Cl.**
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(58) **Field of Classification Search**
USPC D21/506, 507, 510, 511, 530, 473, 815,
D21/472, 532; D7/599, 604, 613, 619.2,
D7/628; D9/430, 431, 636, 638, 640;
D11/121, 117
CPC A63H 33/42; A63J 1/00; A63J 1/02; B65D
5/4262; D65D 81/365; D65D 81/366
See application file for complete search history.

FOREIGN PATENT DOCUMENTS

OTHER PUBLICATIONS

Back Bay Play 6 Piece Sand Castle Molds, available on Amazon.com, oldest customer review Mar. 16, 2021, [site visited Mar. 22, 2022], URL: <https://www.amazon.com/Back-Bay-Play-Piece-Castle/dp/B08YZ4S9LM/> (Year: 2021).*

(Continued)

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(56) **References Cited**
U.S. PATENT DOCUMENTS

(57) **CLAIM**

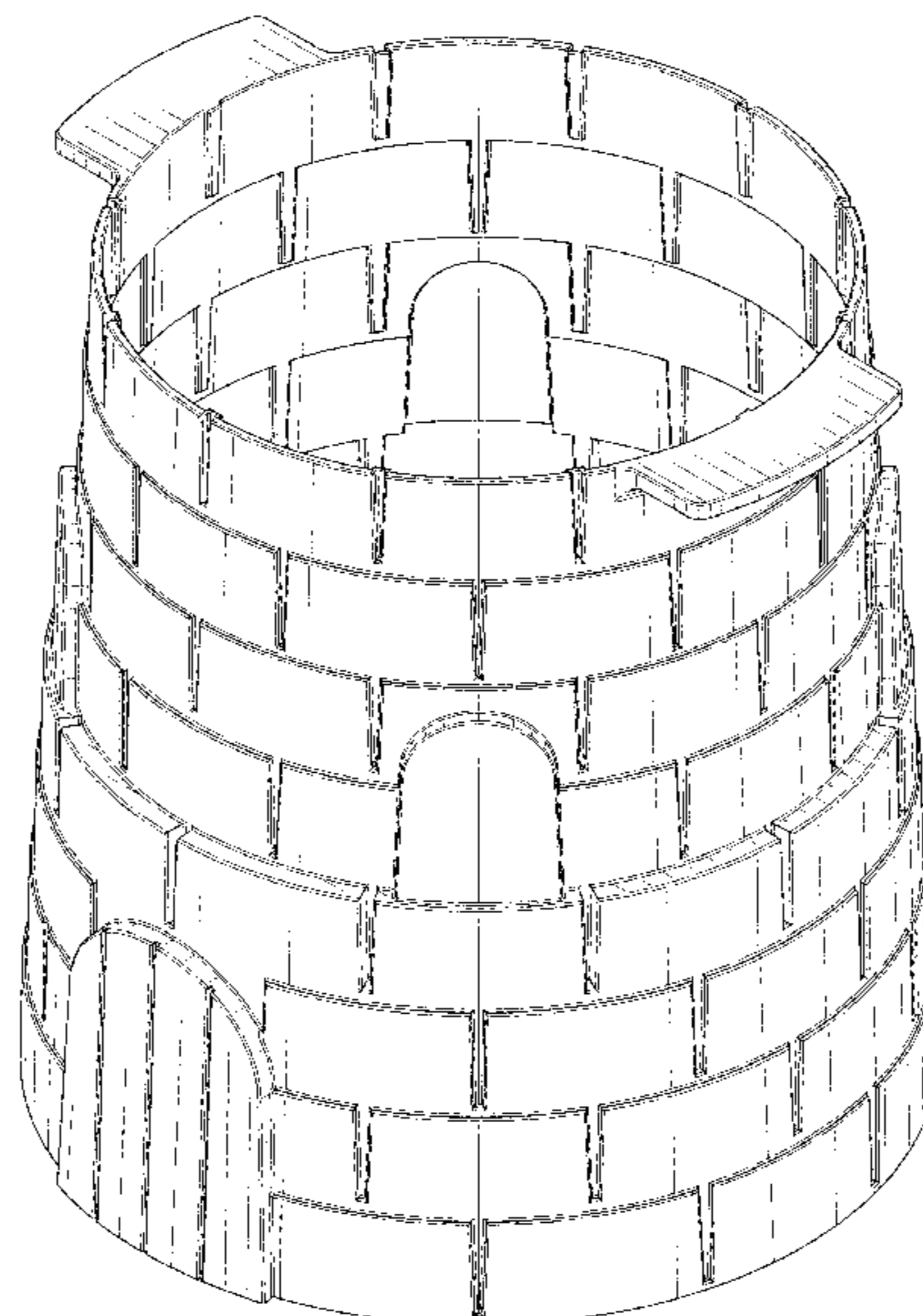
The ornamental design for a mold tool, as shown and described.

D99,916 S * 6/1936 Smith D9/638
D123,428 S * 11/1940 Buckingham D9/638
2,297,153 A * 9/1942 Johnson A63J 1/02
52/249
D188,135 S * 6/1960 Koenig D25/7
D219,526 S * 12/1970 Reading D21/472
D220,048 S * 3/1971 Reading D21/472
D333,328 S * 2/1993 Aker D21/510
D367,694 S * 3/1996 van Huystee D21/510
D372,056 S * 7/1996 Norton D21/472
D545,924 S * 7/2007 Wilson D21/494
D546,903 S * 7/2007 Wilson D21/494
D604,016 S * 11/2009 Langston D30/112

DESCRIPTION

FIG. 1 is a top perspective view of the mold tool;
FIG. 2 is a front view of the mold tool of FIG. 1;
FIG. 3 is a rear view of the mold tool of FIG. 1;
FIG. 4 is a right side view of the mold tool of FIG. 1;
FIG. 5 is a left side view of the mold tool of FIG. 1;
FIG. 6 is a top view of the mold tool of FIG. 1; and,
FIG. 7 is a bottom view of the mold tool of FIG. 1.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2010/0248581 A1* 9/2010 Adams A63H 33/32
446/70
2018/0207542 A1* 7/2018 Lane A63H 33/001
2022/0080331 A1* 3/2022 Colayco A63H 33/32

FOREIGN PATENT DOCUMENTS

CN 304306455 * 10/2017
CN 306041022 * 9/2020
CN 307245735 * 4/2022
CN 307245736 * 4/2022

OTHER PUBLICATIONS

Create a Castle, available on Walmart.com, oldest customer review Oct. 21, 2019, [site visited Mar. 22, 2022], URL: <https://www.walmart.com/ip/Create-A-Castle-Pro-Tower-Kit-Split-Mold-Sand-Castle-Construction-Plastic-Beach-Toy-for-Kids/274745501> (Year: 2019).*

PlayGo Toddler Sand Toys, available on Amazon.com date first available Aug. 5, 2020, [site visited Mar. 22, 2022], URL: <https://www.amazon.com/PlayGo-Deluxe-Sand-Castle-Playset/dp/B00JYGEVKQ> (Year: 2020).*

Marvel Sand Castle Set, available on Staples.com, oldest customer review Jul. 1, 2020, [site visited Mar. 22, 2022], URL: https://www.staples.com/Marvel-Education-Sand-Castle-Mold/product_157996 (Year: 2022).*

Create A Castle Sandcastle Kit, available on Amazon.com, oldest customer review Jul. 12, 2018, [site visited Jun. 1, 2022], URL: <https://www.amazon.com/Create-Castle-Pro-Tower-Kit/dp/B07D5W35MP/> (Year: 2018).*

Kids Seaside Beach Toys, available on aliexpress.com, [site visited Mar. 22, 2022], URL: <https://www.aliexpress.com/item/32938241040.html> (Year: 2022).*

Set of 3 Sandcastle Mold Beach, available on dotandbo.com, [site visited Jun. 1, 2022], URL: <https://www.dotandbo.com/decorativegift/product/set-of-3-sandcastle-mold-beach-pails> (Year: 2022).*

Jumbo Castle Mold Bucket, available on swimoutlet.com, [site visited Jun. 1, 2022], URL: <https://www.swimoutlet.com/products/wet-products-jumbo-castle-mold-bucket-2-gallon-28911> (Year: 2022).*

Back Bay Play 6 Piece Sand Castle Molds, available on Amazon.com, oldest customer review Mar. 16, 2021, [site visited Jun. 1, 2022], URL: <https://www.amazon.com/Back-Bay-Play-Piece-Castle/dp/B08YZ4S9LM/> (Year: 2021).*

Holady 17 Pcs Beach Sand Toys, available on Amazon.com, oldest customer review Apr. 11, 2021, [site visited Jun. 1, 2022], URL: <https://www.amazon.com/dp/B09TFVWJYL/> (Year: 2021).*

Matty's Toy Stop Beach Gear, available on Amazon.com, oldest customer review Mar. 4, 2019, [site visited Jun. 1, 2022], URL: <https://www.amazon.com/dp/B07M9ZF14N/> (Year: 2019).*

Holady Plastic Beach Castle Mold, available on Amazon.com, oldest customer review Apr. 11, 2021, <https://www.amazon.com/Plastic-Castle-Buckets-Bucket-Accessory/dp/B08V5B3RQ8/> (Year: 2021).*

“Create a Castle—Sand of Snow Castle Mold Set—5 Piece Basic Plus Building Set with Multipurpose, Tool, Battlement, and Window Mold, 1 Mesh Backpack for Easy Storage and Cleaning—for Kids and Adults”, three pages.

“2-in-1 Sand and Snow Castle”, <https://www.hearthsong.com/en/imagine-my-place-dollhouse;-go-round/p/p/p/p/p/p/732352>, three pages.

Schwartz, “Injection Molding Best Practices: Draft Angles for Every Part”, Mar. 30, 2016, <https://revpart.com/draft-angles-for-injection-molding/>, six pages.

“Tolco 240102 Scoop, blue, 3 Qt, Poly”, https://www.google.com/shopping/product/5090524989167372789?q=scooper&bih=674&biw=1536&rlz=1C1CHBF_enUS719US719&hl=en&prds=epd:9723453223473419638,prmr:1&sa=X&ved=0ahUKEwin4Z-CnubpAhXtmuAKHRYpDcYQ8wll4wQ, two pages.

Uline, “Square Pails”, https://www.uline.com/BL_8172/Square-Pails, one page.

Uline, “Plastic Scoop—2 Quart”, https://www.uline.com/Product/Detail/H-879/Grounds-Maintenance/Plastic-Scoop-2-Quart?pricode=WB0097&gadtype=pla&id=H-879&gclid=Cj0KCCQjw1N32BRCCARIsADZ-J4t3LBztO7PGCHFLfXw-4D7viGmqmsCSxIVZUtTYeND5FIRuoJz4jx0aAIBEEALw_wcB&gclsrc=aw.ds, one page.

Lara, “The Science Behind: Sandcastle Building”, Aug. 28, 2019, <https://www.kiwico.com/blog/2019/08/28/the-science-behind-sandcastle-building>, three pages.

* cited by examiner

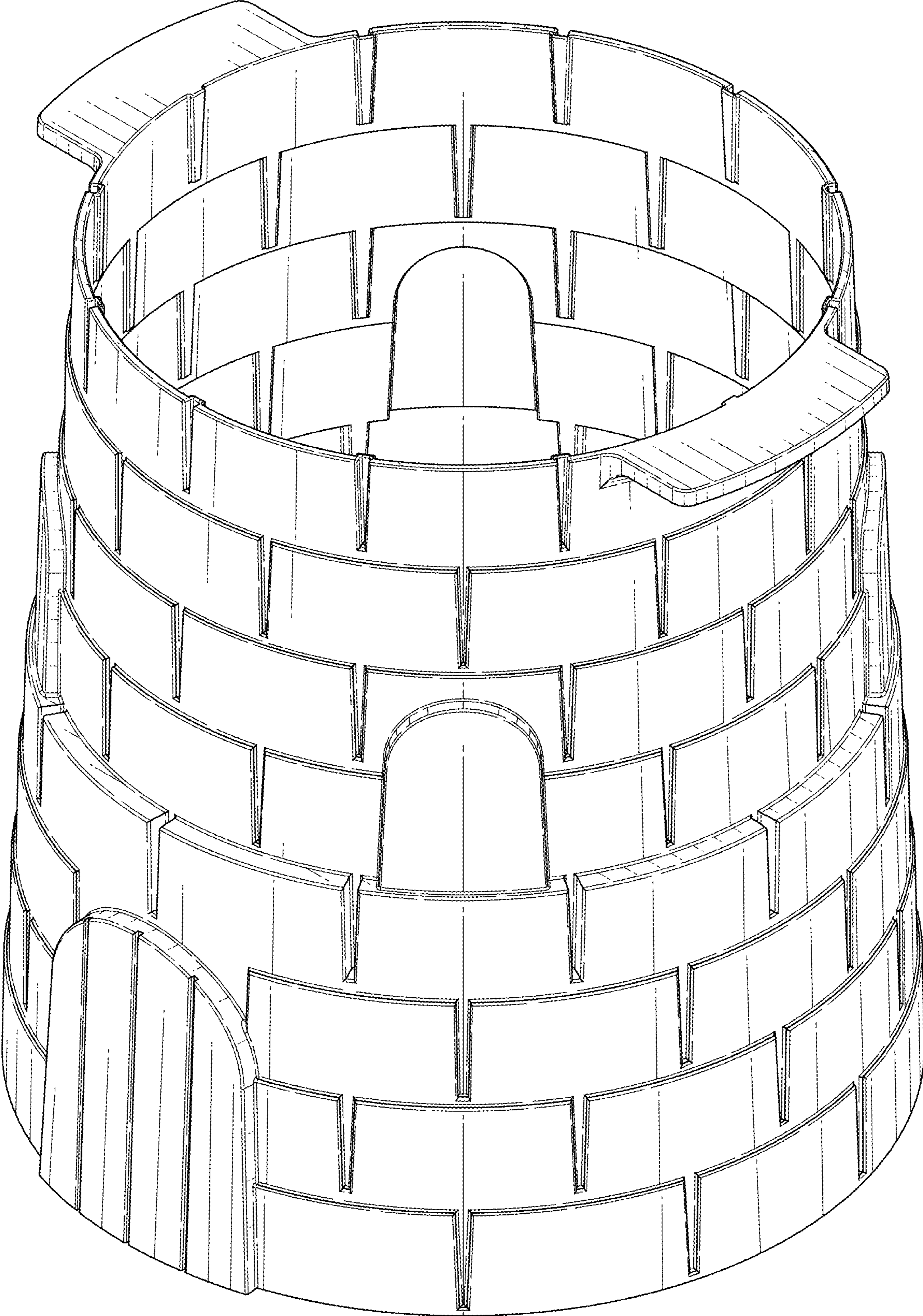


FIG. 1

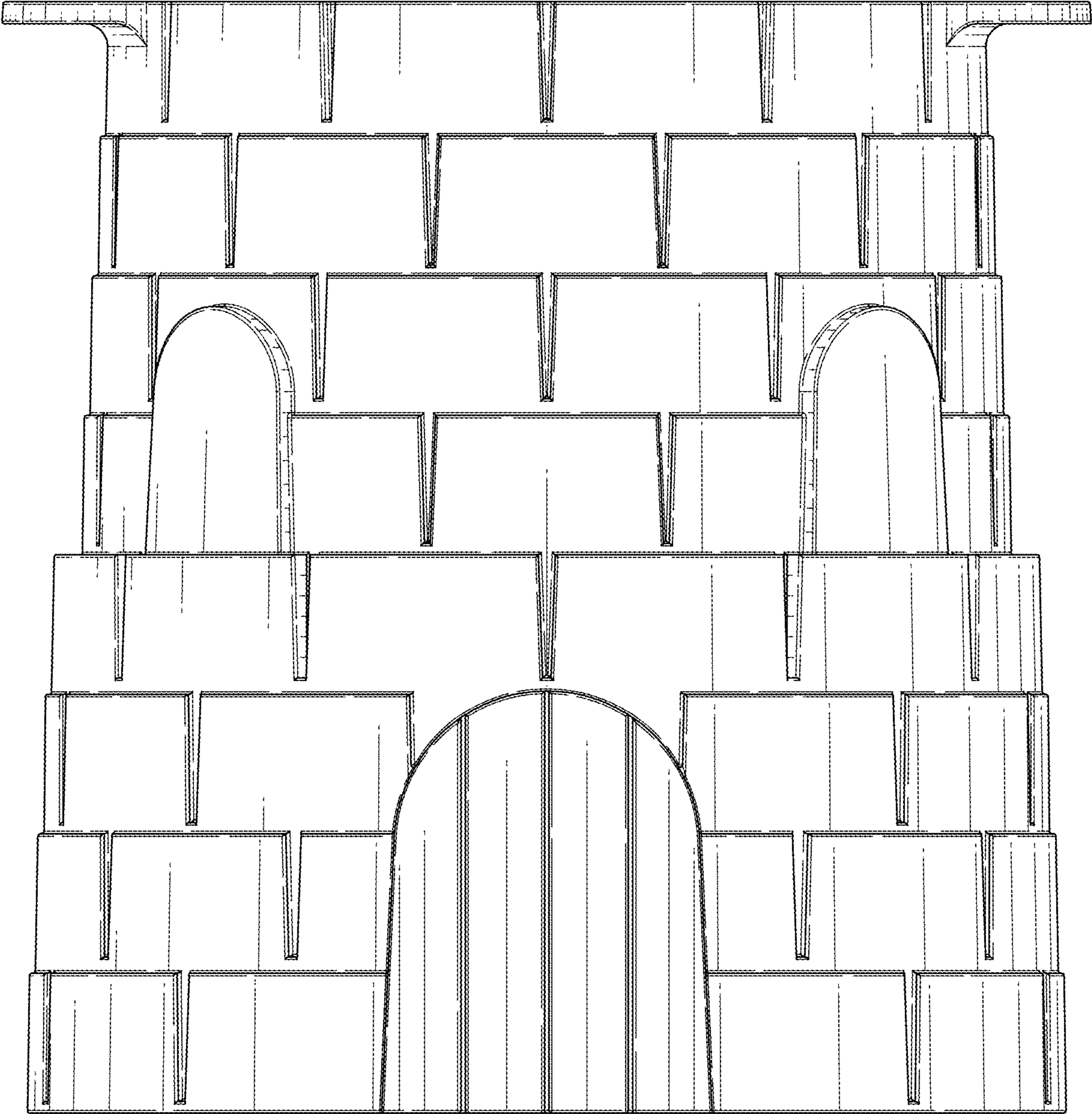


FIG. 2

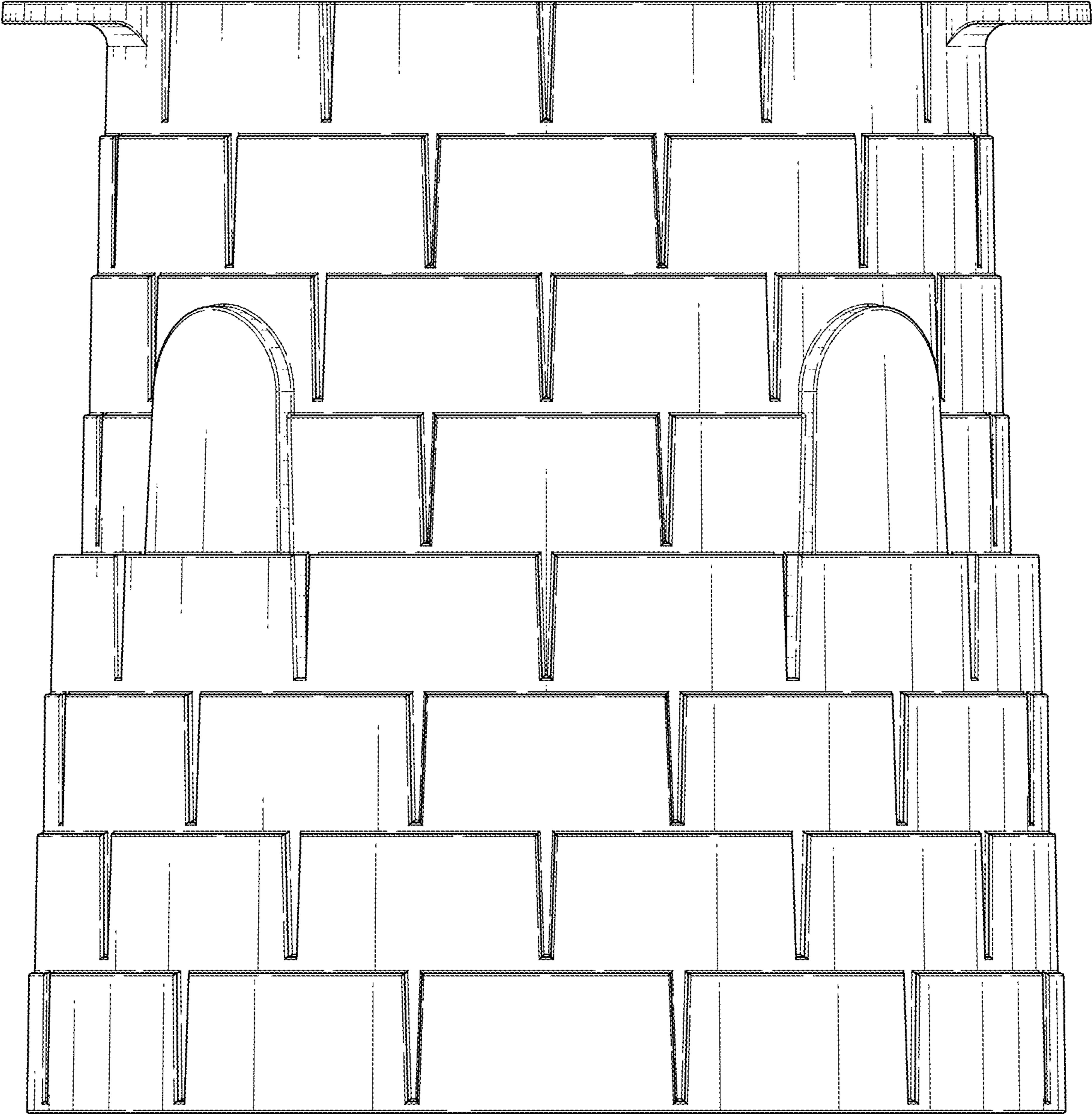


FIG. 3

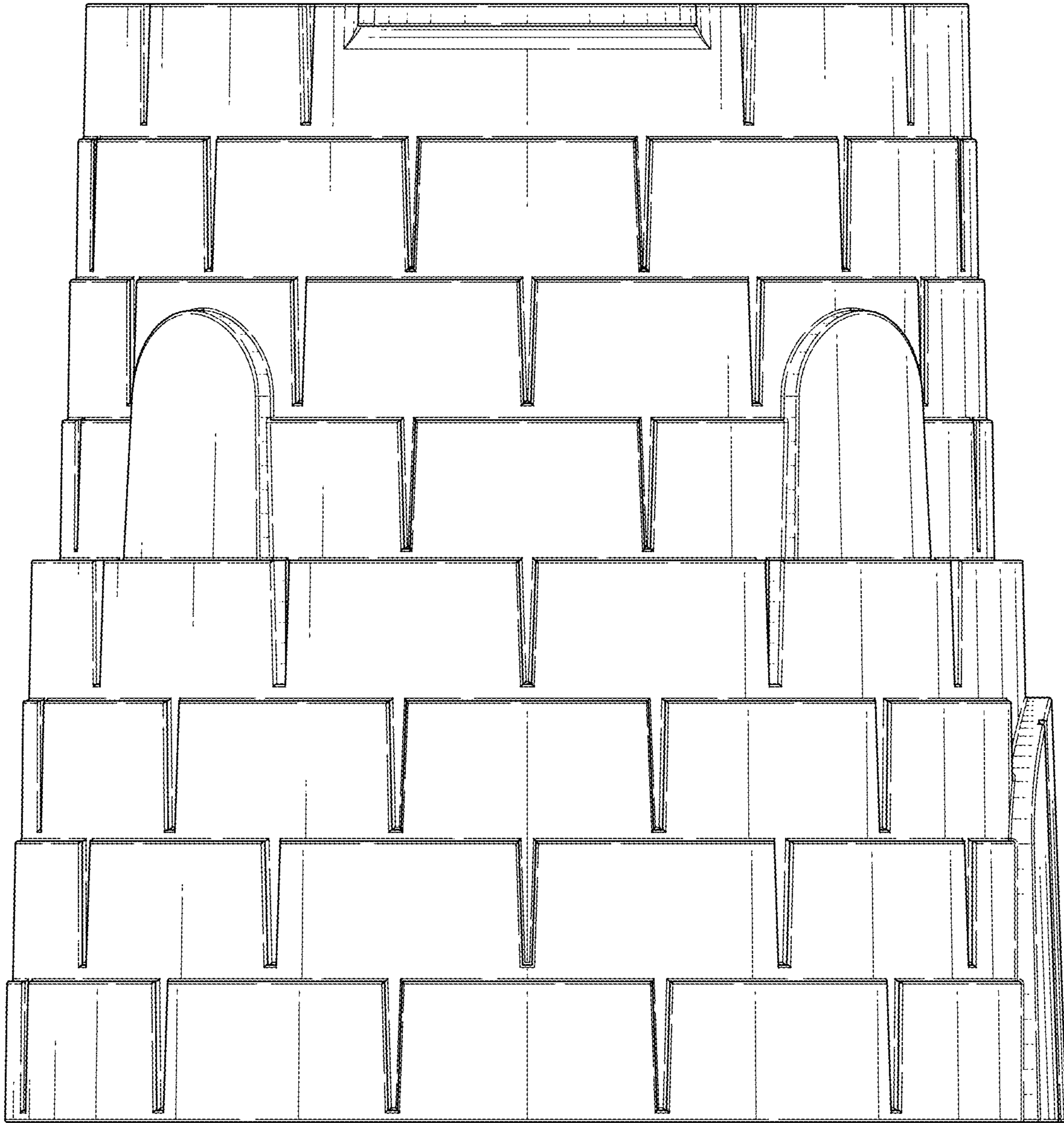


FIG. 4

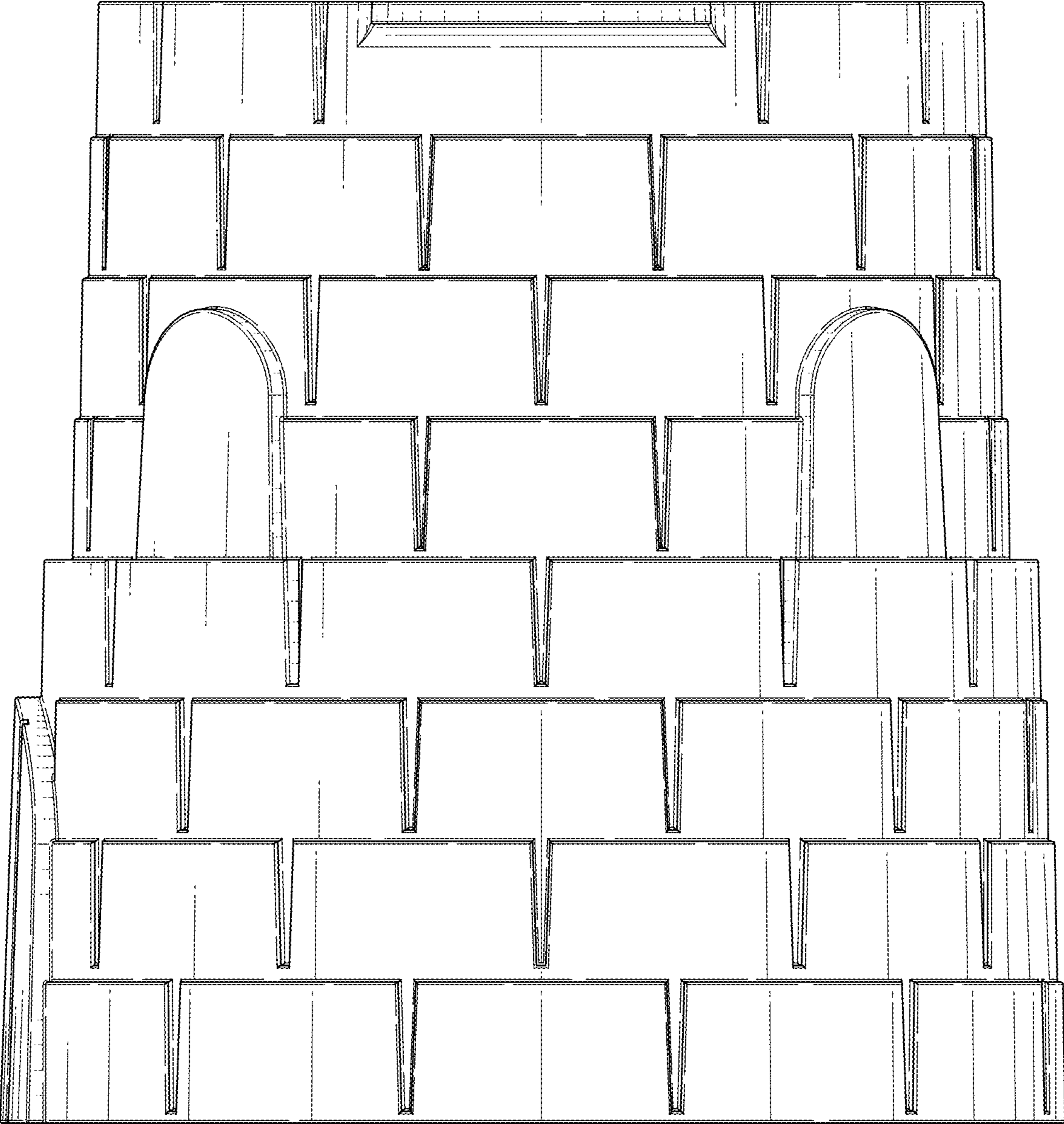


FIG. 5

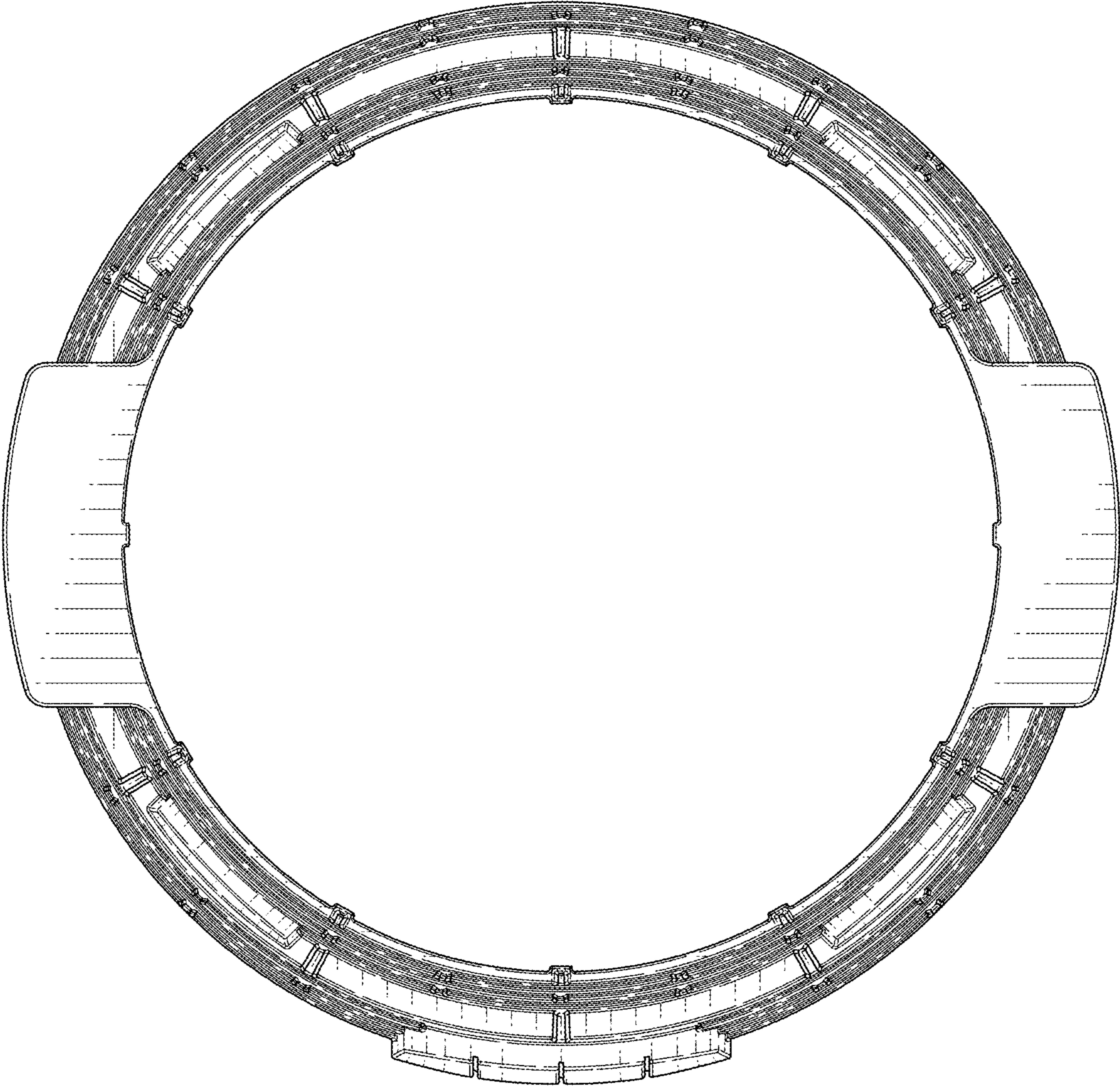


FIG. 6

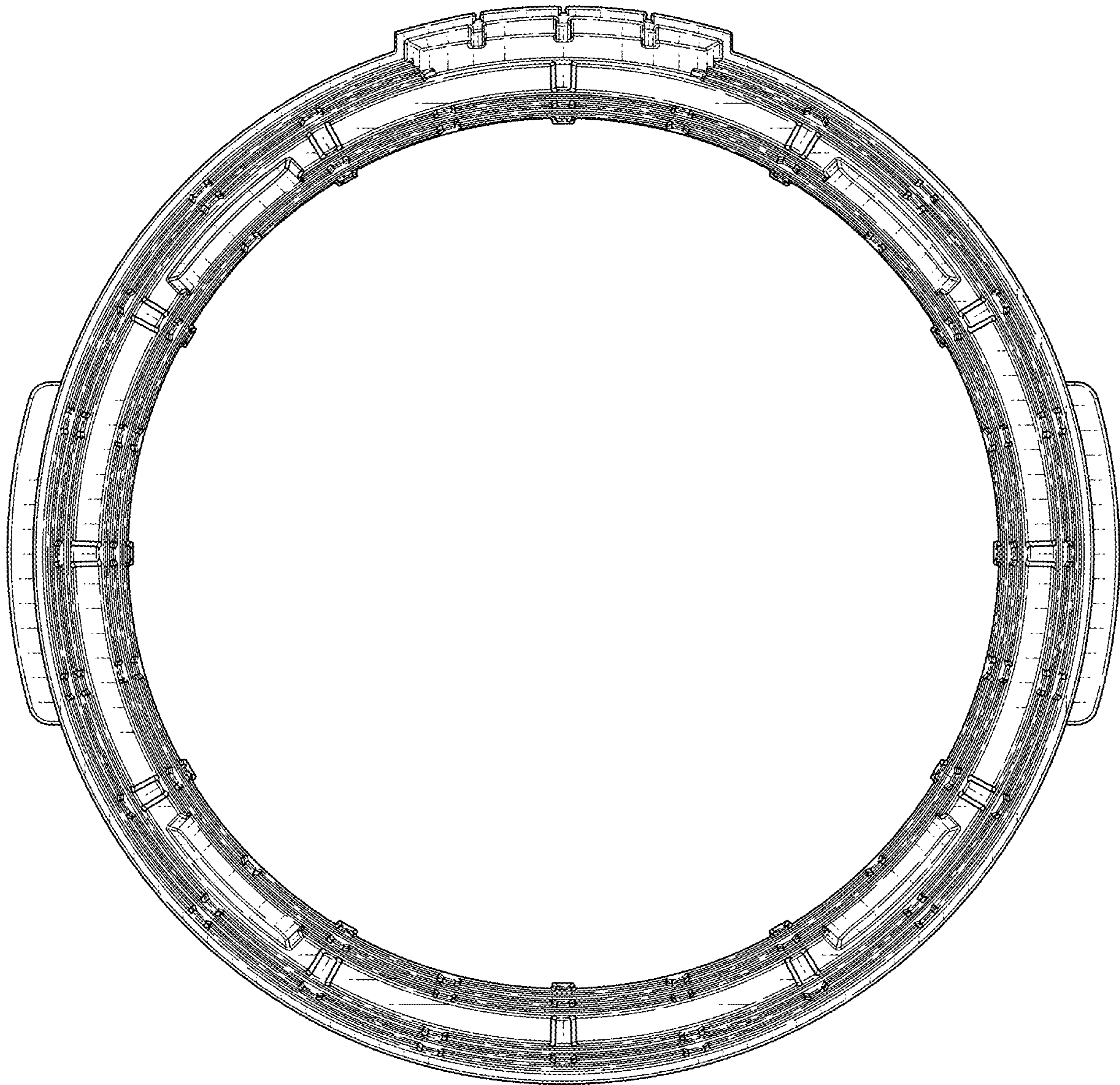


FIG. 7