



US00D856122S

(12) **United States Design Patent** (10) **Patent No.:** **US D856,122 S**
Keith et al. (45) **Date of Patent:** **** Aug. 13, 2019**

(54) **TIE** 2,819,863 A * 1/1958 Vines B28B 7/0014
248/247
(71) Applicant: **HK MARKETING, LC.**, American D189,259 S 11/1960 Hughes
Fork, UT (US) D214,086 S * 5/1969 Powell D25/199
4,018,023 A 4/1977 Anderson
(Continued)

(72) Inventors: **David O. Keith**, American Fork, UT (US); **Jordan O. Keith**, Saratoga Springs, UT (US)

(73) Assignee: **HK MARKETING LC**, American Fork, UT (US)

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

(21) Appl. No.: **29/656,554**

(22) Filed: **Jul. 13, 2018**

(51) **LOC (12) Cl.** **08-08**

(52) **U.S. Cl.**
USPC **D8/384**; D8/389; D25/199

(58) **Field of Classification Search**
USPC D8/354, 349, 382, 384, 385, 388, 389,
D8/390; D24/145; D25/199
CPC B28B 19/003; B28B 23/005; E04B 1/41;
E04B 2/8635; E04C 2002/046; E04C
2002/045; E04C 2/2885; E04C 2/044;
E04C 2/46; E04C 2/288; E04C 5/168;
E04C 5/20; E04C 2002/047; F27D 1/141;
F27D 1/142; F27D 1/144
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D35,565 S 1/1902 Godfrey
1,511,711 A * 10/1924 Atwell F16B 15/02
411/444
1,736,704 A * 11/1929 Gilbert F27D 1/141
52/105
1,876,683 A 9/1932 Johnson et al.
2,236,082 A 6/1939 Wright
2,645,929 A 12/1948 Jones

FOREIGN PATENT DOCUMENTS

CA 2392892 1/2003
CN 203891249 10/2014
(Continued)

OTHER PUBLICATIONS

Questions and Answers about System SC for Structurally Composite Concrete Sandwich Walls. Boone: Thermomass System SC, 2012. Print.

(Continued)

Primary Examiner — Sandra S Snapp
Assistant Examiner — Ieisha N Price
(74) *Attorney, Agent, or Firm* — Workman Nydegger

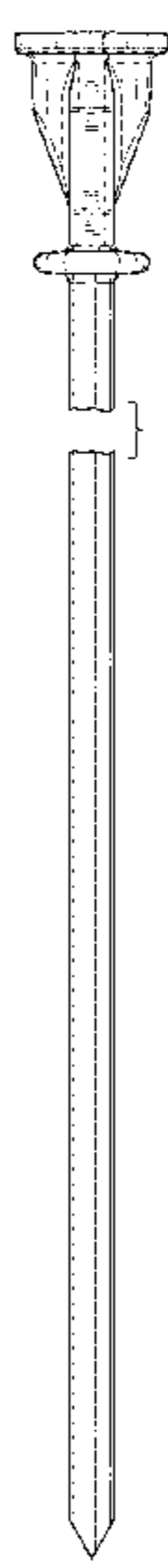
(57) **CLAIM**

The ornamental design for a tie, as shown and described.

DESCRIPTION

FIG. 1 is a bottom perspective view of a tie according to the present invention;
FIG. 2 is a top perspective view of the tie of FIG. 1;
FIG. 3 is a front elevation view of the tie of FIG. 1;
FIG. 4 is a right side view of the tie of FIG. 1;
FIG. 5 is a bottom plan view of the tie of FIG. 1;
FIG. 6 is a rear elevation view of the tie of FIG. 1;
FIG. 7 is a left side view of the tie of FIG. 1; and,
FIG. 8 is a top plan view of the tie of FIG. 1.
The area between the symbolic break lines forms no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,329,826 A * 5/1982 Flogaus E04B 1/41
52/295

4,393,635 A 7/1983 Long

4,545,163 A 10/1985 Asselin

D284,267 S 6/1986 Lindell

D286,180 S 10/1986 Korthoff

4,627,198 A 12/1986 Francies, III

4,754,758 A 7/1988 Li

D298,916 S 12/1988 Beatty

4,829,733 A 5/1989 Long

4,846,655 A 7/1989 Gulley

4,994,073 A 2/1991 Green

5,011,354 A 4/1991 Browniee

5,223,675 A 6/1993 Taft

5,390,459 A 2/1995 Mensen

D357,855 S 5/1995 Keith et al.

5,415,507 A 5/1995 Janusz et al.

5,433,558 A 7/1995 Gray

D361,710 S 8/1995 Boeshart

5,509,636 A 4/1996 Cotugno

5,519,973 A 5/1996 Keith et al.

5,570,983 A 11/1996 Hollander

5,588,263 A 12/1996 Kelly et al.

D378,049 S 2/1997 Boeshart

5,606,832 A 3/1997 Keith et al.

5,623,804 A 4/1997 Kelly et al.

D383,373 S 9/1997 Boeshart

5,671,574 A 9/1997 Long

5,673,525 A 10/1997 Keith et al.

5,692,356 A 12/1997 Baxter

5,809,723 A 9/1998 Keith et al.

5,830,399 A 11/1998 Keith et al.

5,890,337 A 4/1999 Boeshart

5,996,297 A 12/1999 Keith et al.

6,079,176 A 6/2000 Westra

6,112,491 A 9/2000 Keith et al.

6,116,836 A 9/2000 Long

6,138,981 A 10/2000 Keith et al.

D436,018 S 1/2001 Boeshart

D436,674 S 1/2001 Lancelot, III

D437,063 S 1/2001 Lancelot, III

D438,649 S 3/2001 Lancelot, III

D438,991 S 3/2001 Lancelot, III

6,308,484 B1 * 10/2001 Severino E04B 2/8652
249/216

6,314,697 B1 * 11/2001 Moore, Jr. E04B 2/8635
52/426

6,460,824 B1 10/2002 Lancelot, III

6,511,252 B1 1/2003 Andros

6,647,674 B1 11/2003 Lancelot, III

D484,032 S 12/2003 Del Re

6,729,079 B2 5/2004 Francies, III

6,854,229 B2 2/2005 Keith et al.

6,895,720 B2 5/2005 Keith

7,032,357 B2 4/2006 Cooper

7,266,931 B2 9/2007 Long

D581,776 S 12/2008 Yin-Feng

D614,942 S 5/2010 Gaudron

8,109,706 B2 2/2012 Richards

8,365,501 B2 2/2013 Long

8,677,697 B2 3/2014 Eklund et al.

8,695,287 B1 4/2014 Francies, III

8,696,284 B2 4/2014 Aicher

8,745,943 B2 6/2014 Ciuperca

8,800,220 B1 8/2014 Francies, III

8,863,469 B2 10/2014 Curtis et al.

8,898,964 B1 12/2014 Francies, III

8,910,445 B2 12/2014 Hohmann

D728,044 S 4/2015 Boatwright

9,151,065 B1 10/2015 Francies, III

9,169,635 B2 10/2015 Andrews

D744,646 S 12/2015 Nering et al.

9,303,404 B2 4/2016 Naito et al.

9,347,232 B1 5/2016 Francies, III

D764,266 S * 8/2016 Keith D25/199

D773,926 S 12/2016 Sweeney

9,617,746 B1 4/2017 Francies, III

9,637,925 B2 5/2017 Francies, III

9,638,353 B2 5/2017 Francies, III

9,803,354 B1 10/2017 Francies, III

D804,288 S 12/2017 Keith et al.

10,000,928 B2 6/2018 Keith et al.

2002/0026761 A1 3/2002 Moore

2002/0092253 A1 7/2002 Beliveau

2002/0096619 A1 7/2002 Lancelot, III

2003/0019169 A1 1/2003 Francies, III

2003/0140590 A1 7/2003 Lancelot, III

2003/0208968 A1 11/2003 Lancelot, III

2003/0208969 A1 11/2003 Lancelot, III

2003/0208987 A1 11/2003 Lancelot, III

2004/0010985 A1 1/2004 Francies, III

2004/0055247 A1 3/2004 Keith

2004/0118067 A1 6/2004 Keith

2004/0136803 A1 7/2004 Grosch

2004/0237438 A1 12/2004 Keith et al.

2005/0016095 A1 1/2005 Long, Sr.

2006/0032166 A1 2/2006 Devalapura

2006/0059847 A1 3/2006 Rice

2006/0096197 A1 5/2006 Tollefson

2007/0094974 A1 5/2007 Velickovic

2007/0231068 A1 10/2007 Francies, III

2009/0185880 A1 7/2009 Gong et al.

2011/0094176 A1 4/2011 Bronner

2012/0227335 A1 9/2012 Eklund et al.

2012/0266560 A1 10/2012 Panasik et al.

2013/0074433 A1 3/2013 Ciuperca

2013/0153628 A1 6/2013 Euteneuer

2013/0180192 A1 * 7/2013 Crosby E04B 2/8635
52/309.12

2013/0218177 A1 8/2013 Miksza et al.

2013/0326980 A1 * 12/2013 Hilliard, Sr. E04B 2/8652
52/309.1

2014/0020321 A1 1/2014 Eklund et al.

2014/0260034 A1 9/2014 Ciuperca

2014/0260055 A1 * 9/2014 Pfeiffer E04G 17/12
52/582.1

2015/0218806 A1 * 8/2015 Cossette E04B 2/8617
52/565

2016/0010330 A1 * 1/2016 Naito E04C 2/46
52/405.2

2016/0123012 A1 5/2016 Francies, III

2016/0123501 A1 5/2016 Francies, III

2016/0215511 A1 * 7/2016 Salekarr E04B 1/161

2017/0058520 A1 3/2017 Keith

2017/0204895 A1 7/2017 Rodenhouse

2018/0238053 A1 * 8/2018 Jensen E04C 2/288

FOREIGN PATENT DOCUMENTS

JP 2004225265 8/2004

RU 131396 8/2013

OTHER PUBLICATIONS

Thermomass. "Insulated Cast-in-Place Construction Using Thermomass System CIP." Online video clip. YouTube. YouTube, Mar. 20, 2012. Web. Accessed Jan. 22, 2016. <<https://www.youtube.com/watch?v=VoHzDS9Yuwc>>.

Thermomass. Thermomass System SC, n.d. Web. Accessed Jan. 22, 2016. <<http://www.thermomass.com/>>.

BA Screw Threads Data Chart.

U.S. Appl. No. 14/841,260, dated Jan. 15, 2016, Office Action.

U.S. Appl. No. 29/531,564, dated Apr. 18, 2016, Notice of Allowance.

U.S. Appl. No. 14/841,260, dated Jul. 29, 2016, Final Office Action.

U.S. Appl. No. 14/841,260, dated Jun. 6, 2017, Office Action.

U.S. Appl. No. 29/562,534, dated Oct. 16, 2017, Notice of Allowance.

U.S. Appl. No. 16/058,837, filed Aug. 8, 2018, Keith et al.

U.S. Appl. No. 14/841,260, dated Dec. 15, 2017, Office Action.

(56)

References Cited

OTHER PUBLICATIONS

U.S. Appl. No. 14/841,260, dated Apr. 13, 2018, Notice of Allowance.

U.S. Appl. No. 16/267,718, filed Feb. 5, 2019, Keith et al.

BA Screw Threads Data Chart Accessed Jul. 24, 2016.

Photograph of competing tie, based on information and belief, photographed Jan. 30, 2019.

U.S. Appl. No. 29/635,189, dated Jan. 11, 2019, Office Action.

U.S. Appl. No. 29/635,189, filed Jan. 29, 2018, Keith et al.

* cited by examiner

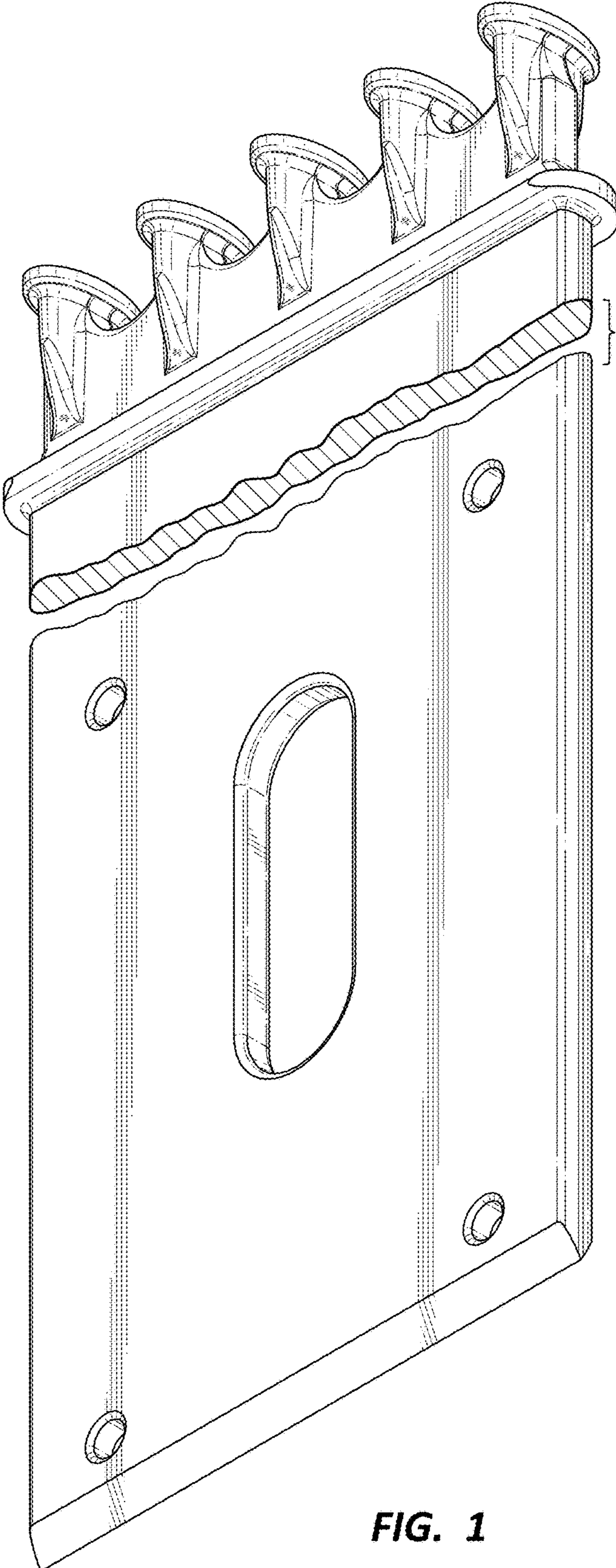


FIG. 1

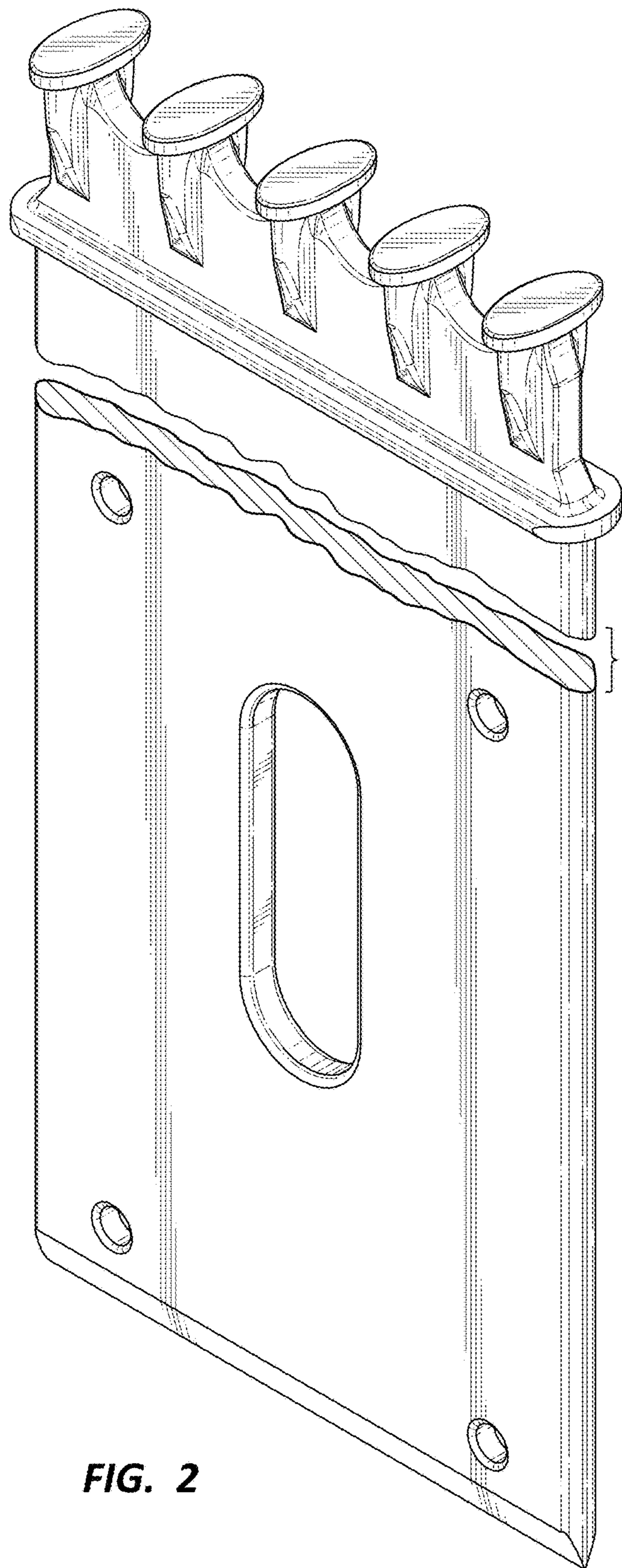


FIG. 2

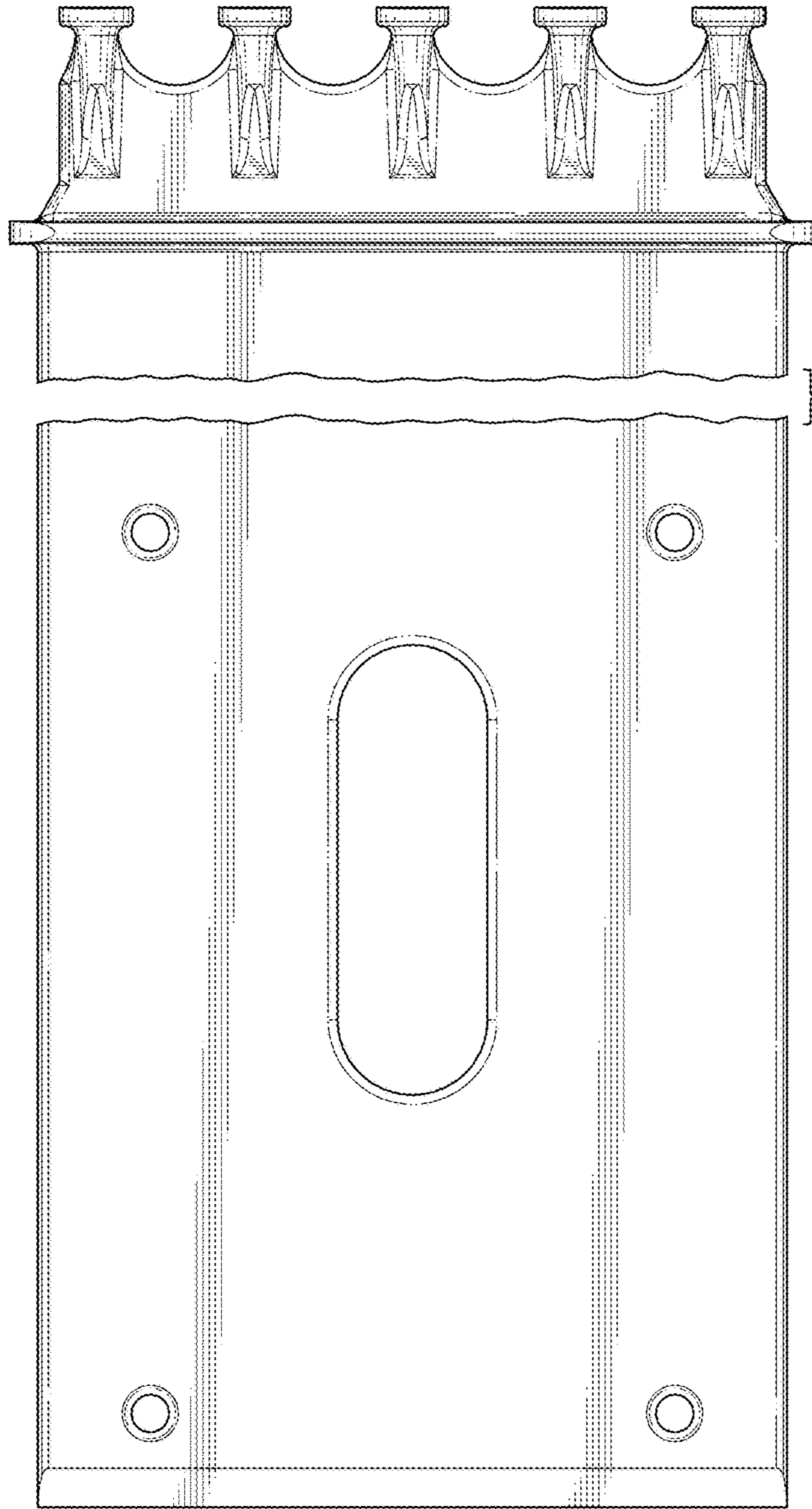


FIG. 3

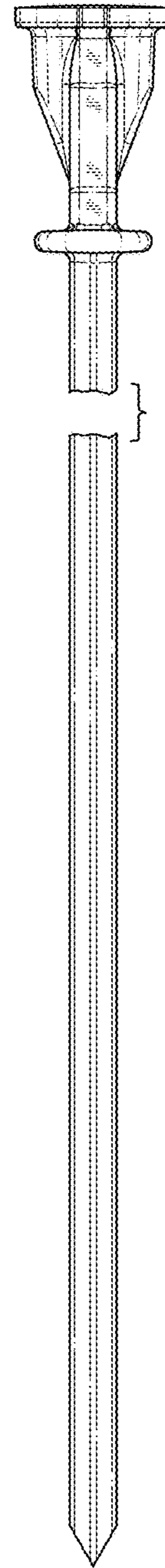


FIG. 4

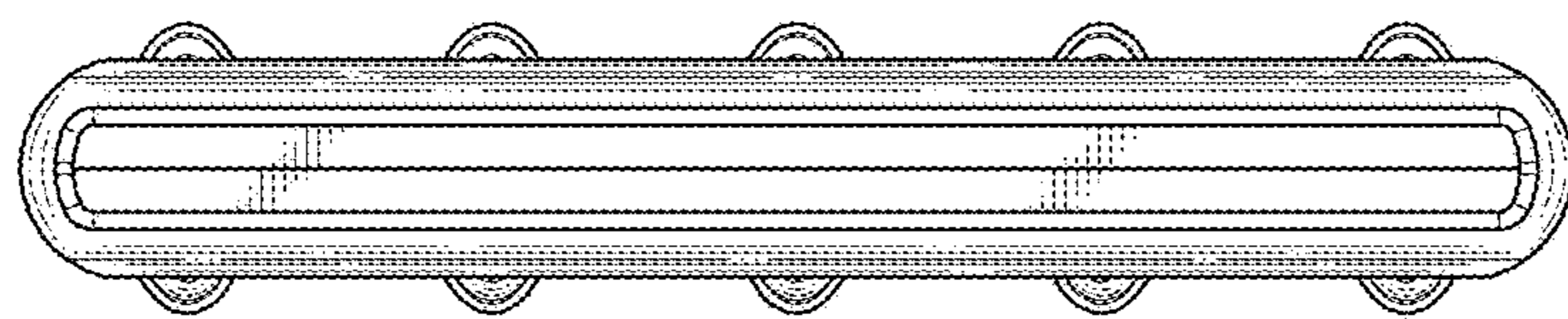


FIG. 5

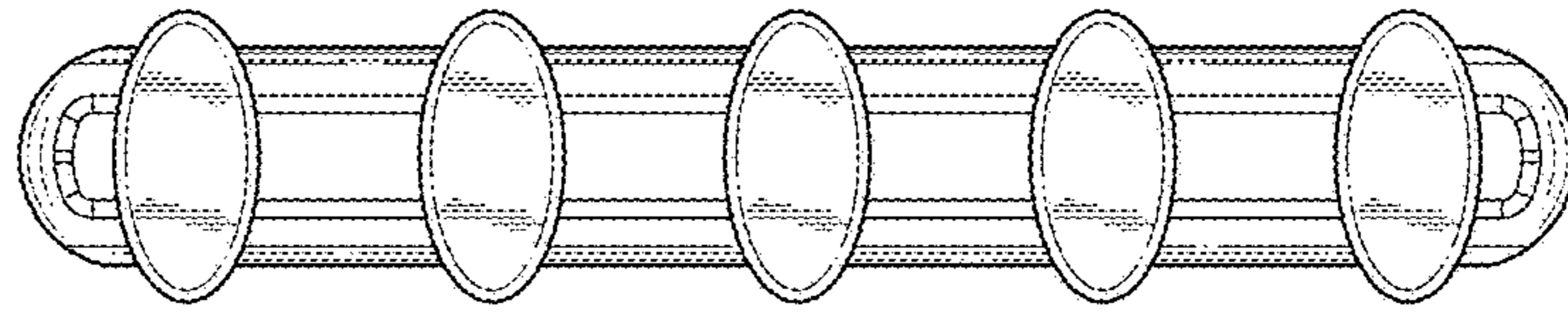


FIG. 8

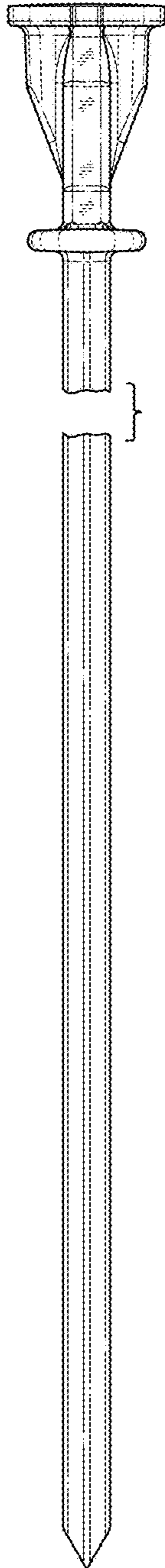


FIG. 7

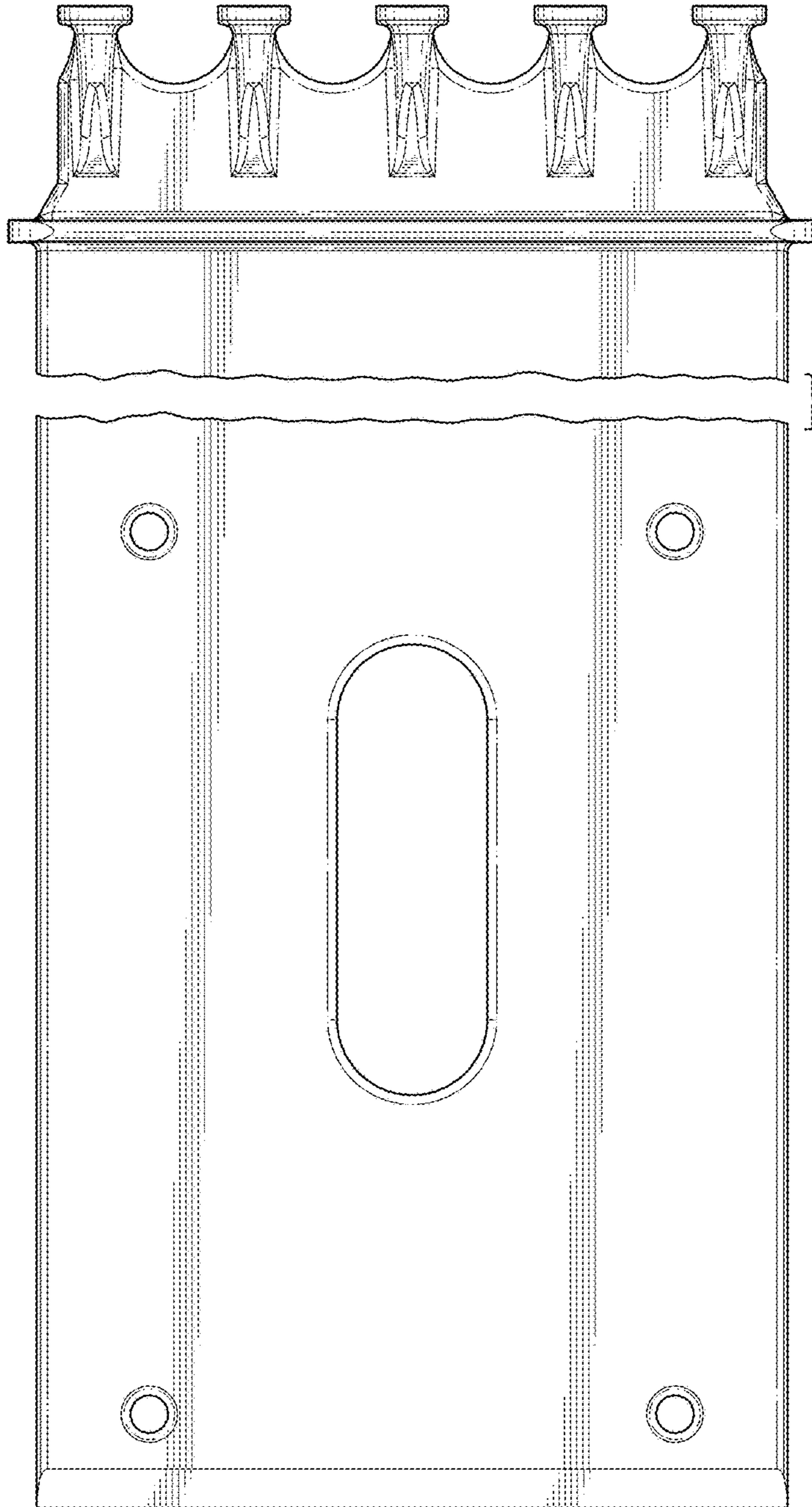


FIG. 6