



US00D850616S

(12) **United States Design Patent** (10) **Patent No.:** **US D850,616 S**
Asfora et al. (45) **Date of Patent:** **** Jun. 4, 2019**

(54) **PARALLEL SURGICAL GUIDE SPACER**
(71) Applicant: **SICAGE LLC**, Sioux Falls, SD (US)
(72) Inventors: **Wilson Theophilo Asfora**, Sioux Falls, SD (US); **Daniel S. Savage**, Brecksville, OH (US)
(73) Assignee: **SICAGE LLC**, Sioux Falls, SD (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/624,324**
(22) Filed: **Oct. 31, 2017**
(51) **LOC (11) Cl.** **24-02**
(52) **U.S. Cl.**
USPC **D24/140**
(58) **Field of Classification Search**
USPC D24/133, 135, 136, 140, 143, 150, 152, D24/171, 172, 176, 231, 108; D8/47, 48, D8/82, 83, 88, 89; D19/37; D13/144; D6/692, 692.3; D21/390, 503
CPC ... A61B 17/17; A61B 17/8811; A61B 17/864; A61B 17/7098; A61B 17/3472
See application file for complete search history.

D406,642 S 3/1999 Remes
6,135,772 A 10/2000 Jones
6,149,686 A 11/2000 Kuslich et al.
6,287,343 B1 9/2001 Kuslich et al.
6,342,055 B1 1/2002 Eisermann
6,391,058 B1 5/2002 Kuslich et al.
6,517,542 B1 2/2003 Papay et al.
6,554,830 B1 4/2003 Chappius
6,565,572 B2 5/2003 Chappius
6,604,945 B1 8/2003 Jones

(Continued)

OTHER PUBLICATIONS

Citrus Slice by faberdasher, Aug. 17, 2016, [online], [site visited Feb. 1, 2019]. Retrieved from url:https://www.thingiverse.com/thing:1721009 (Year: 2016).*

(Continued)

Primary Examiner — Jeffrey D Asch
Assistant Examiner — Tracey J Bell
(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,486,689 A * 12/1984 Davis H05B 41/46 307/66
4,563,727 A * 1/1986 Curiel F21L 4/08 136/251
D326,156 S * 5/1992 Martinez D24/155
5,144,946 A * 9/1992 Weinberg A61N 1/375 607/2
D337,820 S * 7/1993 Hooper D24/155
5,676,545 A 10/1997 Jones
D389,639 S 1/1998 Priebe
5,725,581 A 3/1998 Branemark
5,727,958 A * 3/1998 Chen H01R 13/447 174/67
5,735,898 A 4/1998 Branemark
D395,082 S 6/1998 Edgson

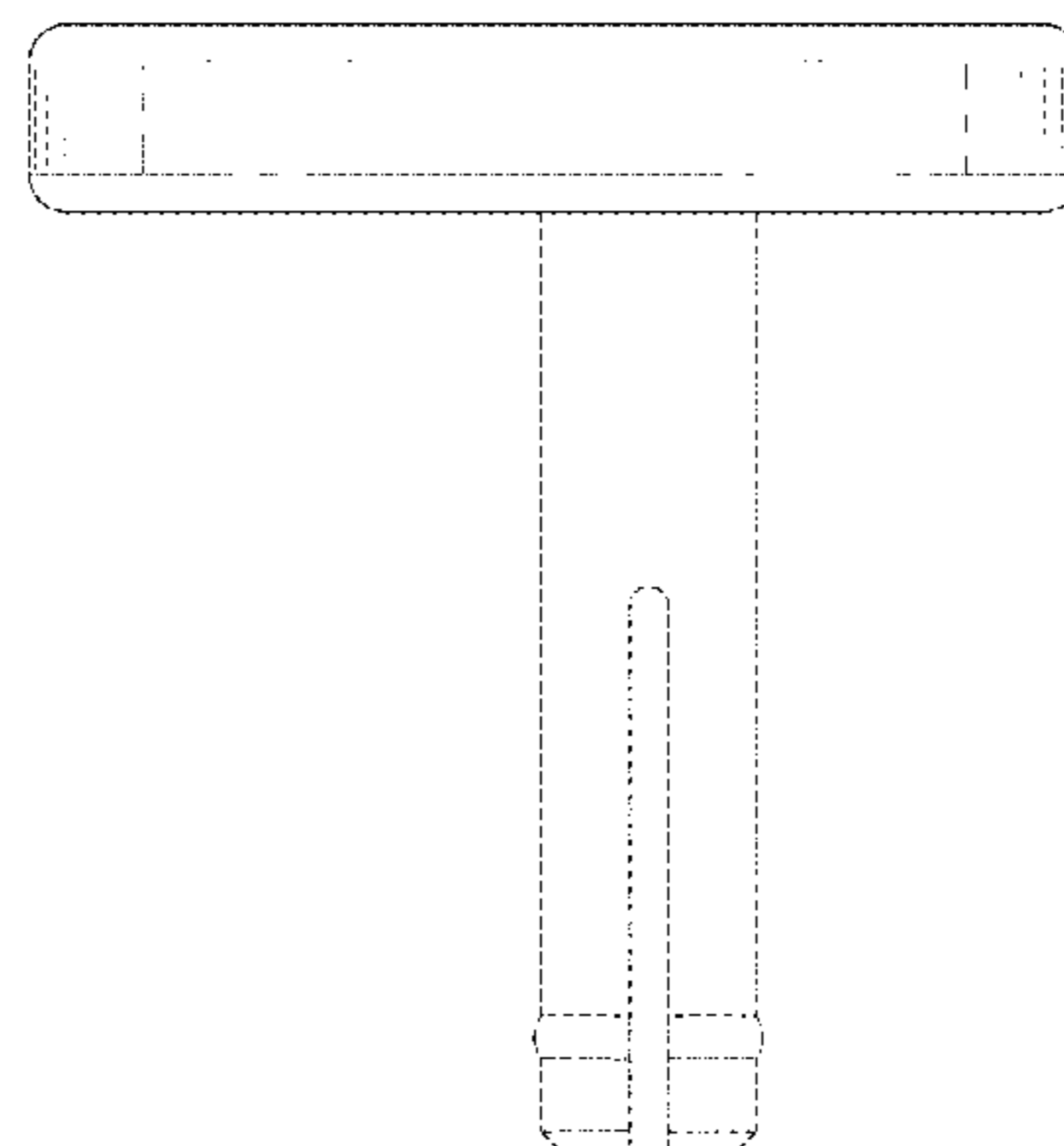
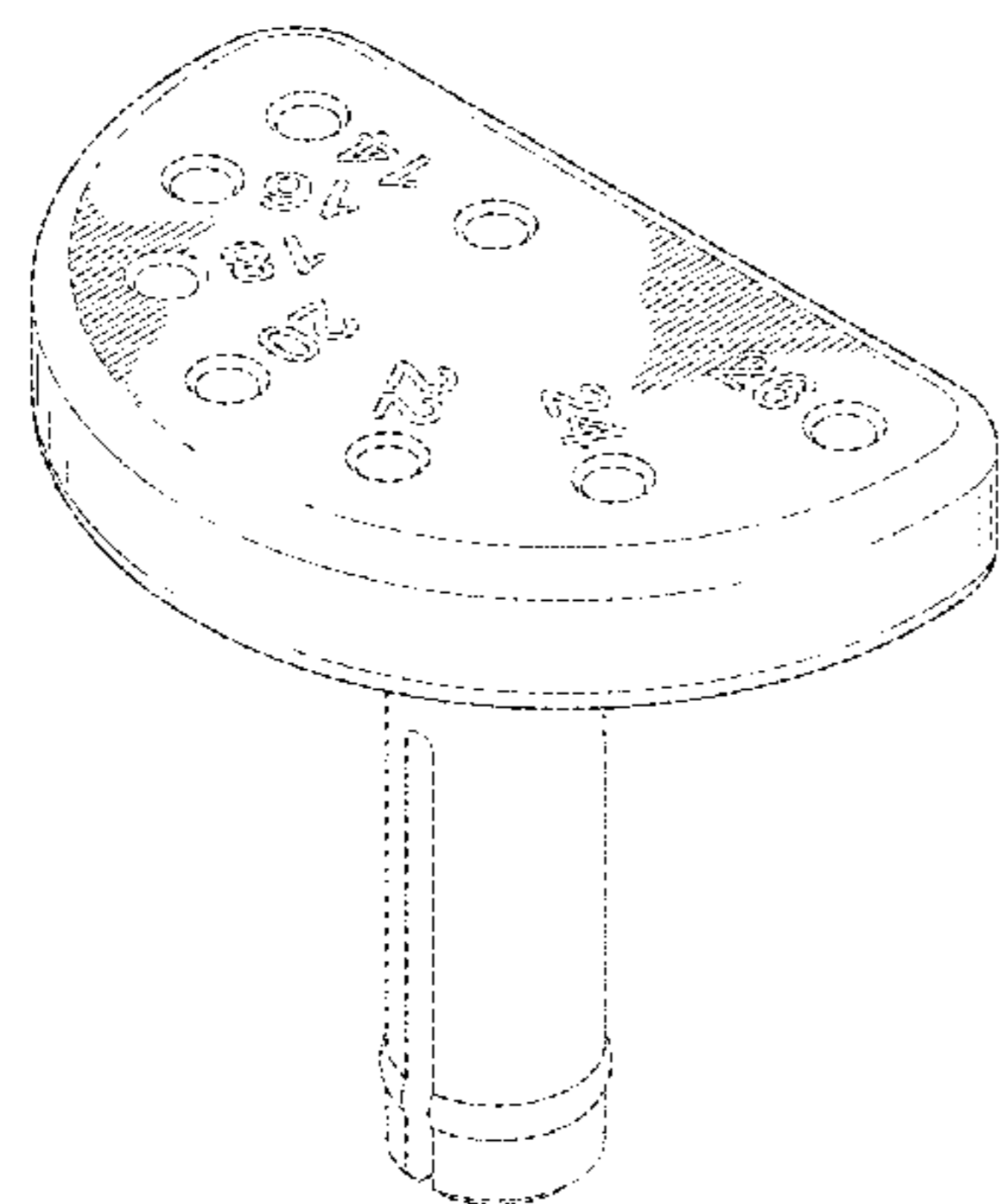
(57) **CLAIM**

The ornamental design for a parallel surgical guide spacer, as shown and described.

DESCRIPTION

FIG. 1 is a front, right perspective-view of a parallel surgical guide spacer, showing our new design; FIG. 2 is a top-side view thereof; FIG. 3 is a bottom-side view thereof; FIG. 4 is a left-side view thereof; FIG. 5 is a right-side view thereof; FIG. 6 is a front view thereof; and, FIG. 7 is a back view thereof. Any broken lines provided are for illustrative purposes only, and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,755,835 B2 6/2004 Schultheiss et al.
 D560,727 S * 1/2008 Denoual D21/391
 7,354,442 B2 4/2008 Sasso et al.
 D588,211 S * 3/2009 Croston D21/503
 D596,758 S 7/2009 Constable
 7,575,572 B2 8/2009 Sweeney
 7,608,062 B2 10/2009 Sweeney
 7,717,947 B1 5/2010 Wilberg et al.
 D626,615 S * 11/2010 Isbrandt D21/759
 D629,517 S * 12/2010 Jauch D24/140
 D634,428 S * 3/2011 Anderson D24/152
 8,062,270 B2 11/2011 Sweeney et al.
 D667,548 S 9/2012 Brannon
 8,303,602 B2 11/2012 Biedermann et al.
 8,382,808 B2 2/2013 Wilberg et al.
 D678,187 S 3/2013 Huang
 D686,491 S 7/2013 Kuo
 D691,201 S * 10/2013 Roth D19/96
 8,574,273 B2 11/2013 Russell et al.
 D705,719 S 5/2014 Wong
 D708,191 S 7/2014 An
 8,808,337 B2 8/2014 Sweeney et al.
 D714,765 S * 10/2014 Goransson D14/223
 8,870,836 B2 10/2014 Sweeney
 8,956,369 B2 2/2015 Millett et al.
 D736,380 S 8/2015 Van Dalen
 9,131,970 B2 9/2015 Kang
 9,138,245 B2 9/2015 Mebarak
 9,173,692 B1 11/2015 Kaloostian
 9,198,702 B2 12/2015 Biederman et al.
 D748,786 S * 2/2016 Bailey D24/140
 9,271,742 B2 3/2016 Asfora
 9,271,743 B2 3/2016 Asfora
 9,295,488 B2 3/2016 Asfora
 9,326,779 B2 5/2016 Dorawa et al.
 9,326,801 B2 5/2016 Poulos
 9,333,018 B2 5/2016 Russell et al.
 9,408,705 B2 * 8/2016 Oosthuizen A61F 2/389
 D767,042 S 9/2016 Martin
 9,445,852 B2 9/2016 Sweeney
 9,445,909 B2 * 9/2016 Cohen A61F 2/389
 9,504,526 B2 * 11/2016 Hanson A61M 5/3287
 9,526,548 B2 12/2016 Asfora
 D778,156 S 2/2017 Follett
 9,566,100 B2 2/2017 Asfora
 9,616,205 B2 4/2017 Nebosky et al.
 9,642,656 B2 5/2017 Kotuljac et al.
 D790,964 S 7/2017 Akana
 D802,536 S 11/2017 Shang

D804,334 S 12/2017 Becker
 9,907,582 B1 * 3/2018 Olea A61B 17/7079
 D831,479 S 10/2018 Lylyk
 2004/0049284 A1 * 3/2004 German A61F 2/30734
 623/20.15
 2004/0049286 A1 * 3/2004 German A61F 2/30734
 623/20.33
 2005/0071008 A1 3/2005 Kirschman
 2005/0203532 A1 * 9/2005 Ferguson A61B 17/025
 606/90
 2005/0228398 A1 10/2005 Rathbun
 2007/0233123 A1 10/2007 Ahmad et al.
 2008/0133020 A1 * 6/2008 Blackwell A61F 2/30721
 623/20.34
 2011/0137352 A1 6/2011 Biedermann et al.
 2011/0213426 A1 9/2011 Yedlicka et al.
 2012/0089195 A1 4/2012 Yedlicka et al.
 2013/0065698 A1 3/2013 Biedermann et al.
 2013/0245602 A1 9/2013 Sweeney
 2013/0267960 A1 10/2013 Groh
 2014/0012340 A1 1/2014 Beck et al.
 2014/0046381 A1 2/2014 Asfora
 2014/0276857 A1 * 9/2014 Major A61F 2/4684
 606/88
 2014/0277188 A1 9/2014 Poulos
 2015/0230844 A1 8/2015 Ellis
 2015/0272646 A1 10/2015 Russell
 2015/0313658 A1 11/2015 Kolb
 2016/0000489 A1 1/2016 Kaloostian
 2016/0008044 A1 1/2016 Sweeney
 2016/0143671 A1 5/2016 Jiminez
 2016/0143742 A1 5/2016 Asfora
 2016/0151100 A1 6/2016 Biedermann et al.
 2016/0220291 A1 8/2016 Russell et al.
 2016/0310188 A1 10/2016 Marino et al.
 2017/0181759 A1 * 6/2017 Bouduban A61B 17/1778
 2018/0072488 A1 3/2018 Benoit
 2018/0185038 A1 7/2018 Hero

OTHER PUBLICATIONS

65mm Flat Semi Circle Silicone Necklace Mold PM04, no date available, [online], [site visited Feb. 1, 2019]. Retrieved from url:<https://www.makemeoldme.com/listing/588778232/65mm-flat-semi-circle-silicone-mold> (Year: 2019).*
 Silicone mold 8x3.5 mm lenses 10 pcs, earliest review Nov. 27, 2016, [online], [site visited Feb. 1, 2019]. Retrieved from url:https://www.etsy.com/listing/257627215/silicone-mold-8-x-35-mm-lenses-10-pcs?ref=shop_review (Year: 2016).*

* cited by examiner

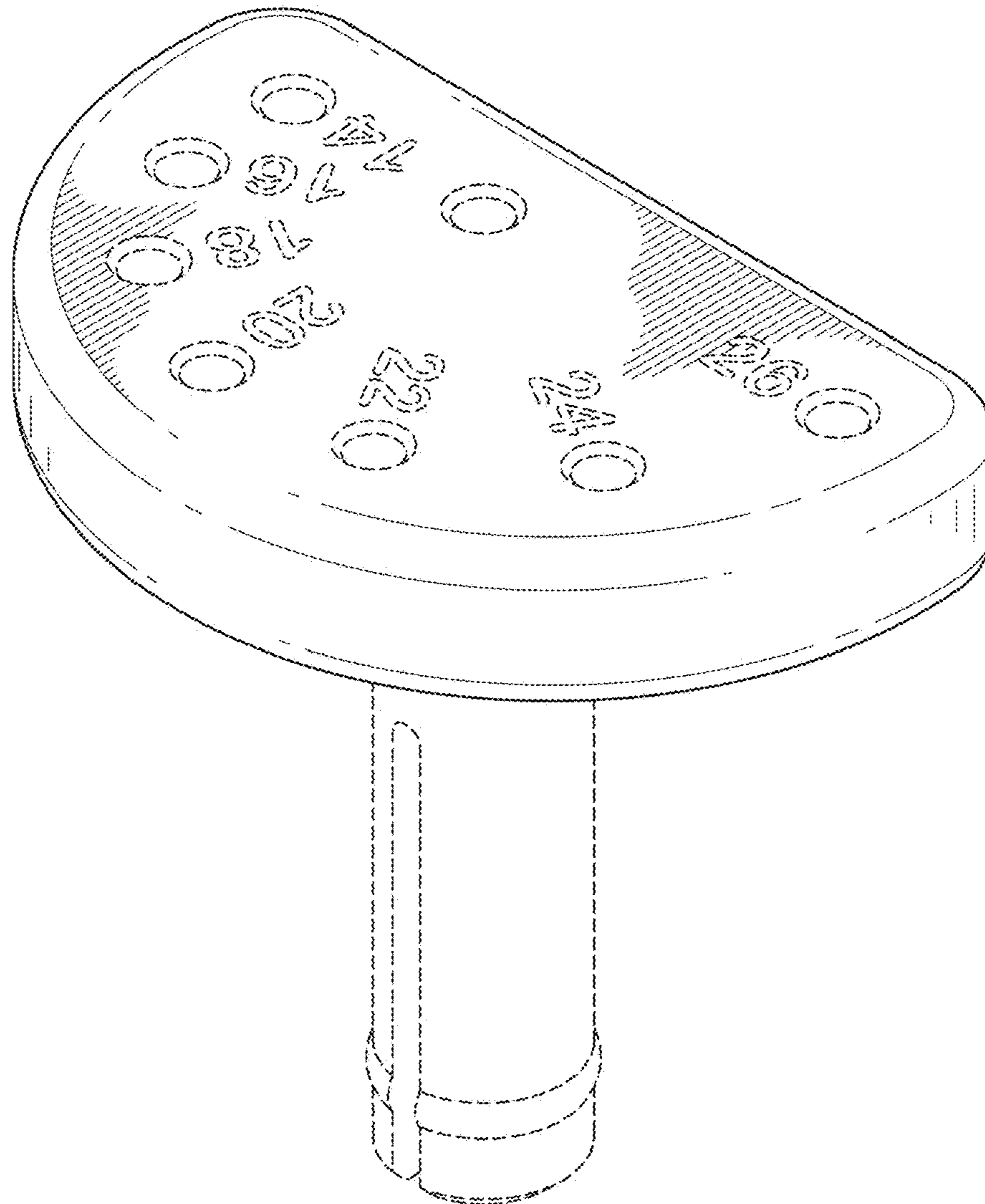


FIG. 1

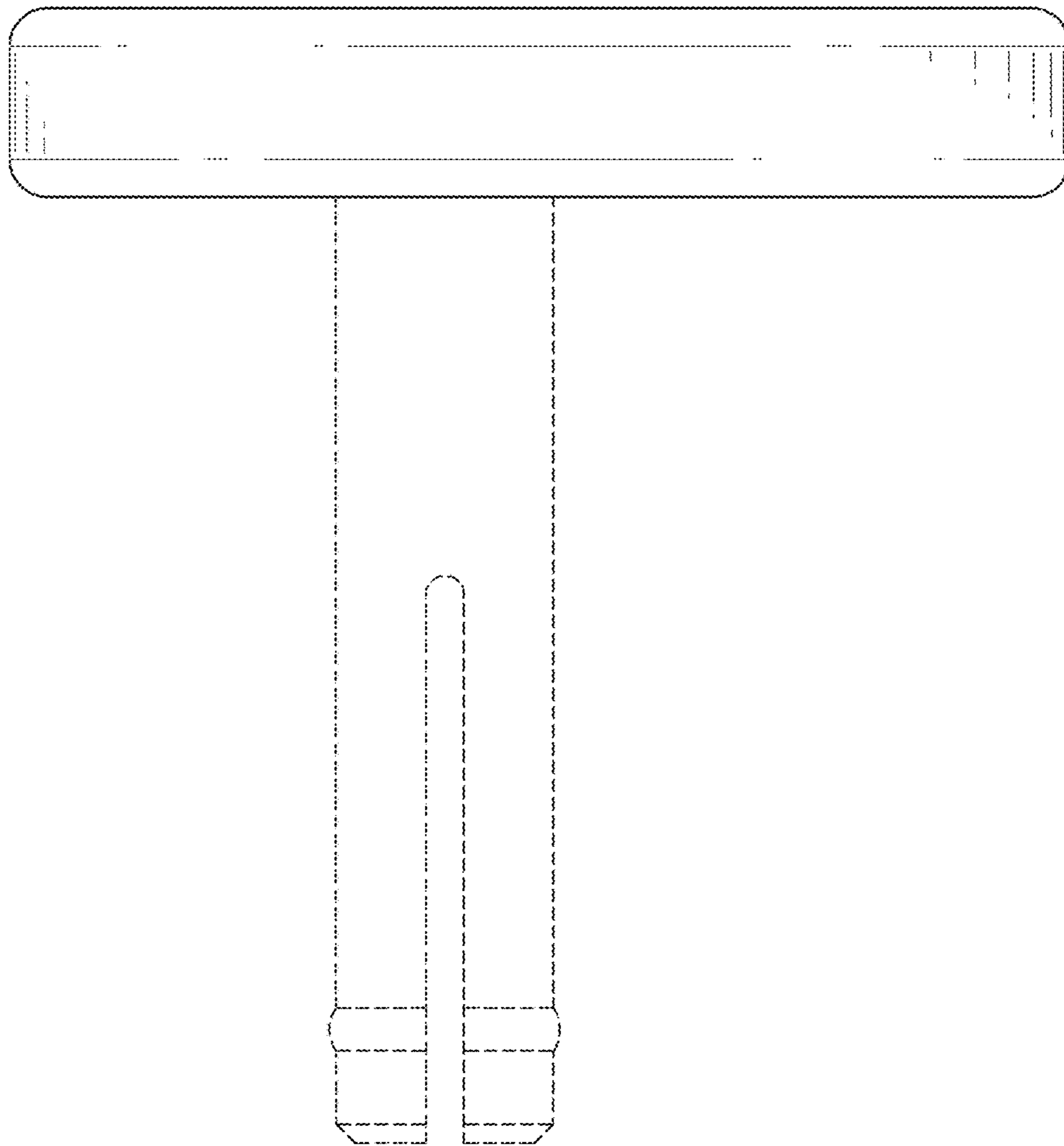


FIG. 2

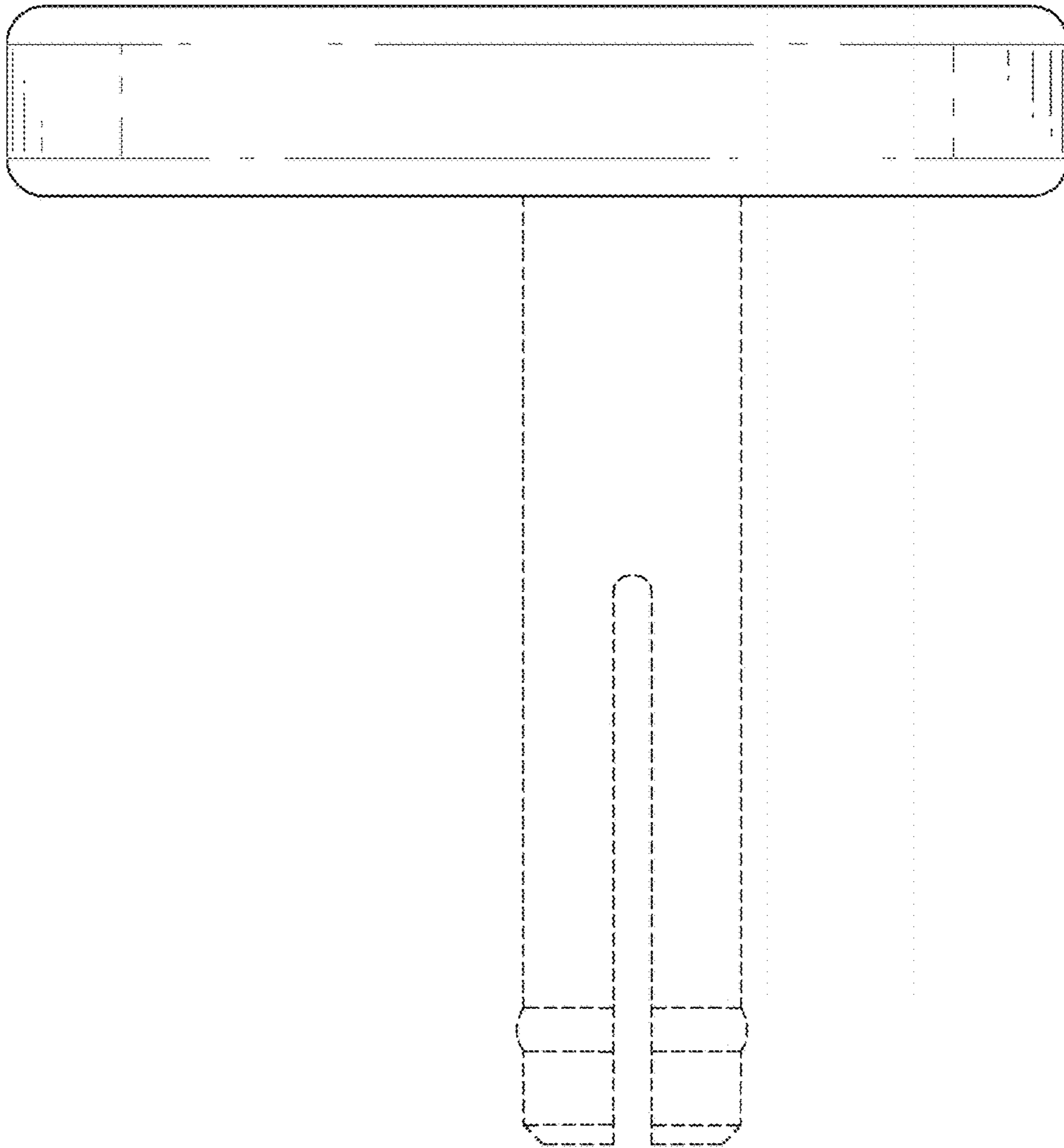


FIG. 3

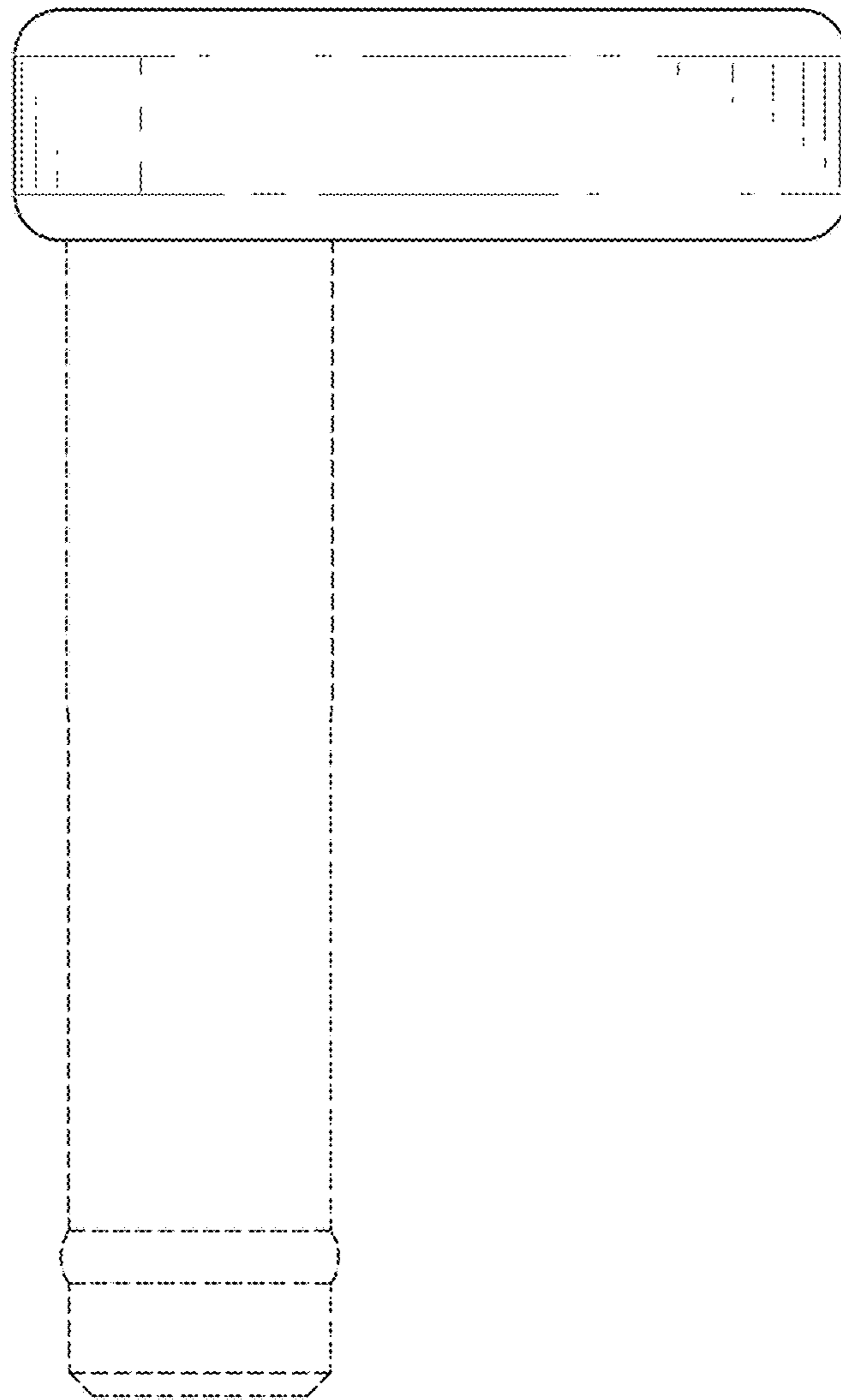


FIG. 4

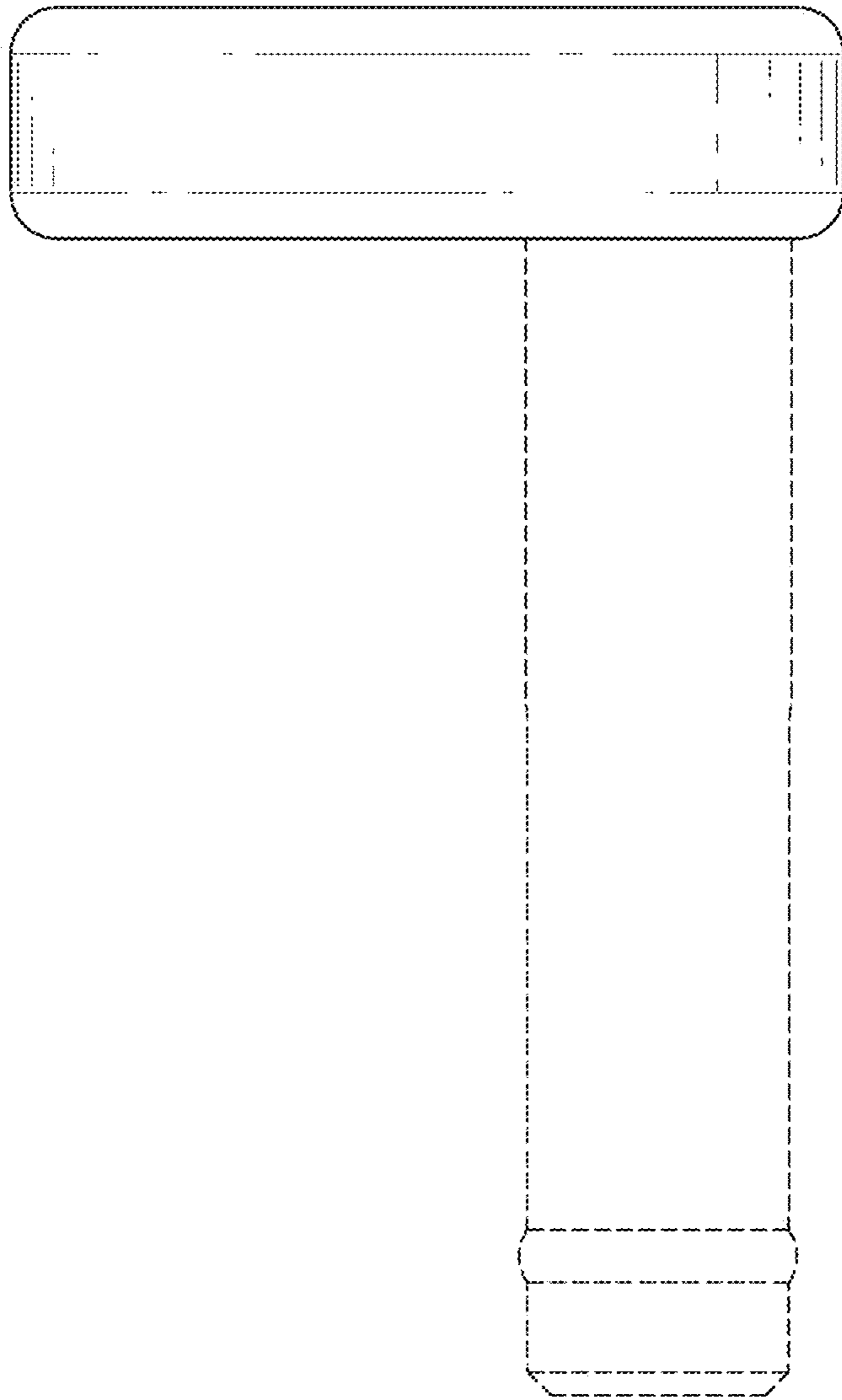


FIG. 5

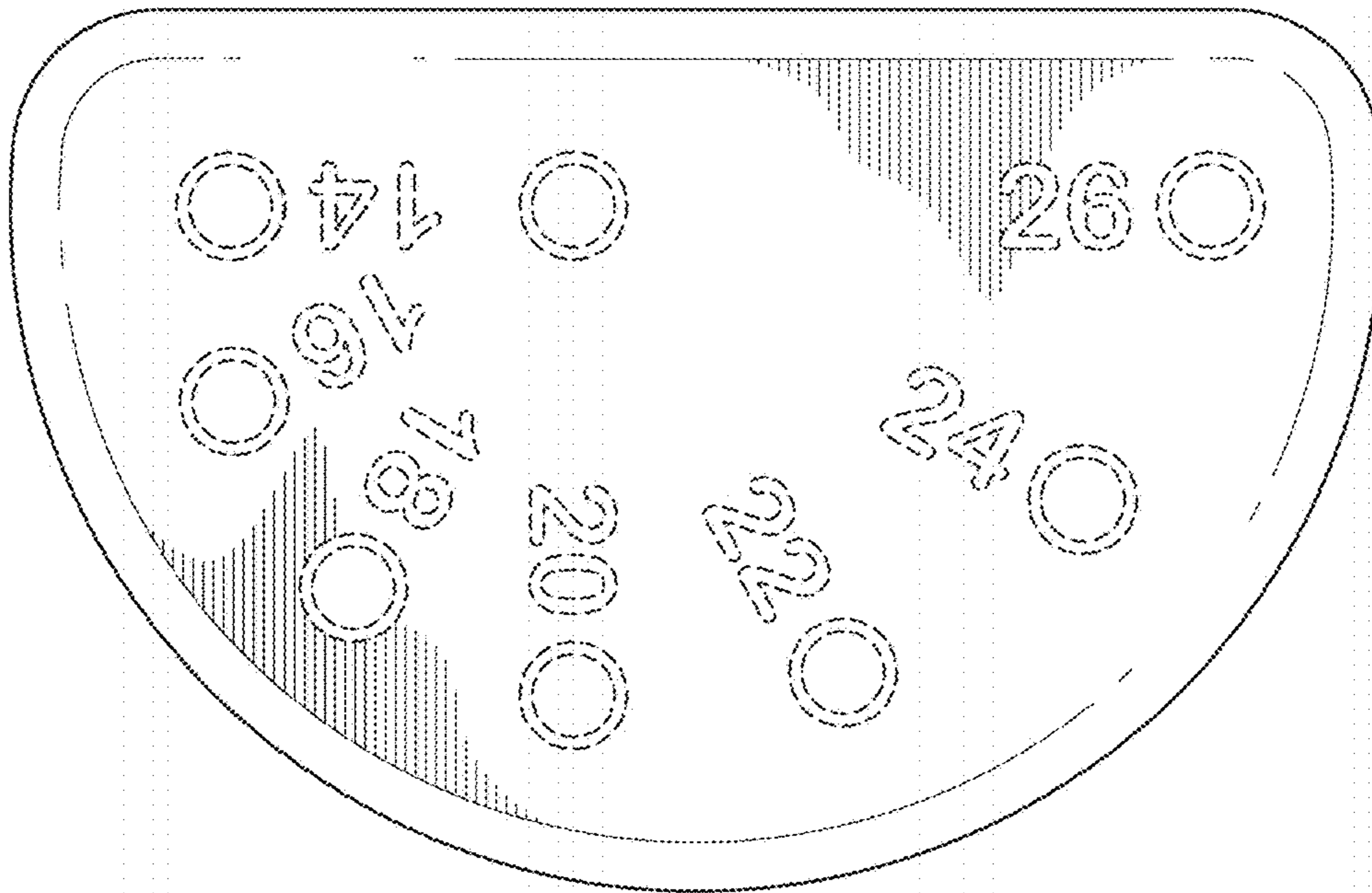


FIG. 6

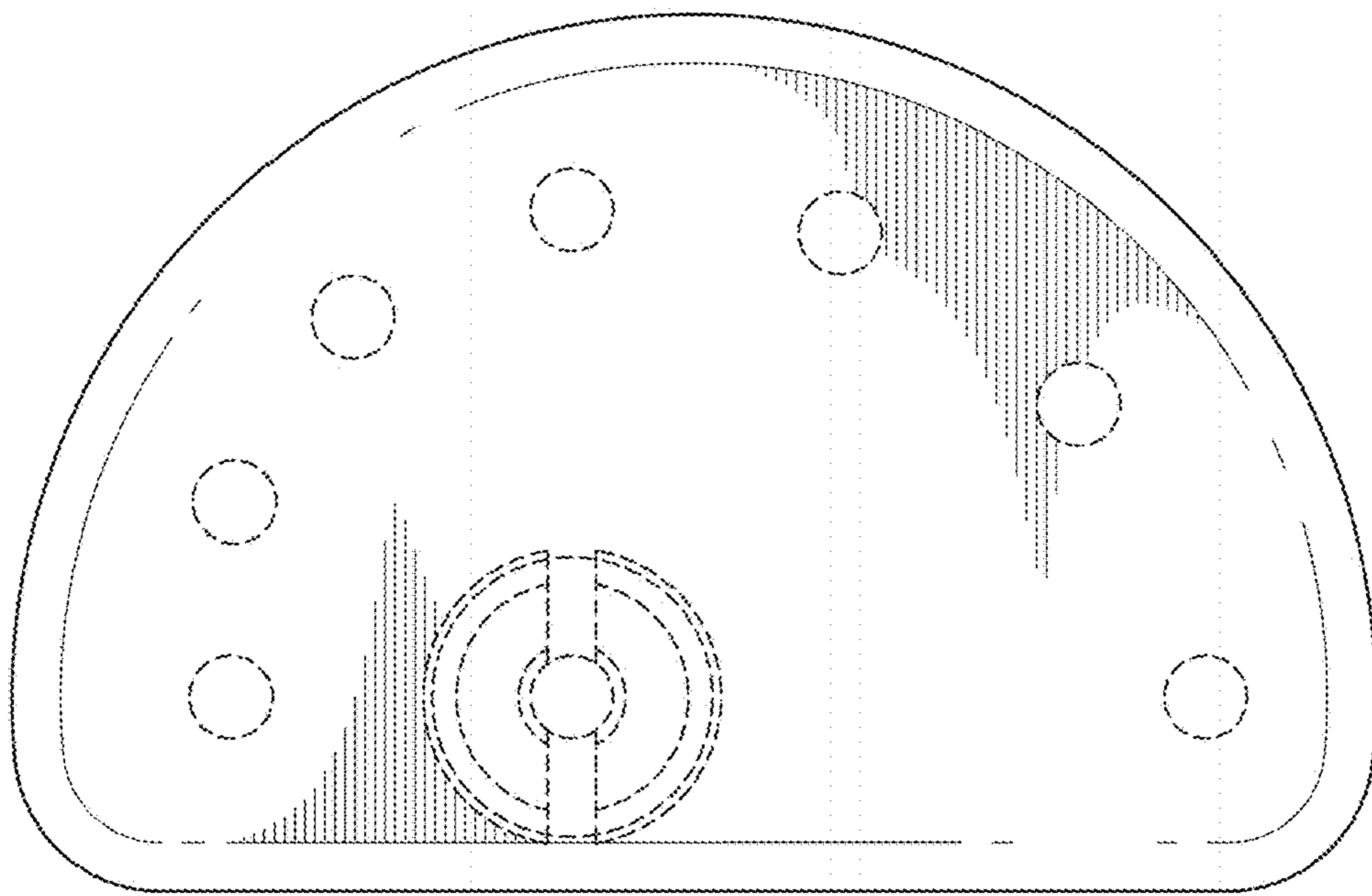


FIG. 7