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(12) **United States Design Patent** (10) **Patent No.:** **US D847,336 S**
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(54) **PARALLEL SURGICAL GUIDE SPACER**
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(**) Term: **15 Years**

D395,082 S * 6/1998 Edgson D24/108
D406,642 S * 3/1999 Remes D24/107
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 A61B 17/68
606/286
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
(Continued)

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(58) **Field of Classification Search**
USPC D24/133, 135, 136, 140, 143, 150, 152, D24/171, 172, 176, 231, 108, 155, 167, D24/101; D8/47, 48, 82, 83, 88, 89; D19/37; D13/144, 103; D21/391; D17/22-23; D14/480.1, 203.1, 203.3, D14/507, 218, 432; D1/100, 127; D9/770, 432; D4/138
CPC A61B 17/17; A61B 2017/0256; A61F 2/44
See application file for complete search history.

OTHER PUBLICATIONS

CFR Peek Fracture Fixation Plates, No date available, [online], [site visited Oct. 25, 2018]. Retrieved from url:http://astoninspired.com/portfolio/cfr-peek-fracture-fixation-plates-by-zubin-rao (Year: 2018).*

(Continued)

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(57) **CLAIM**

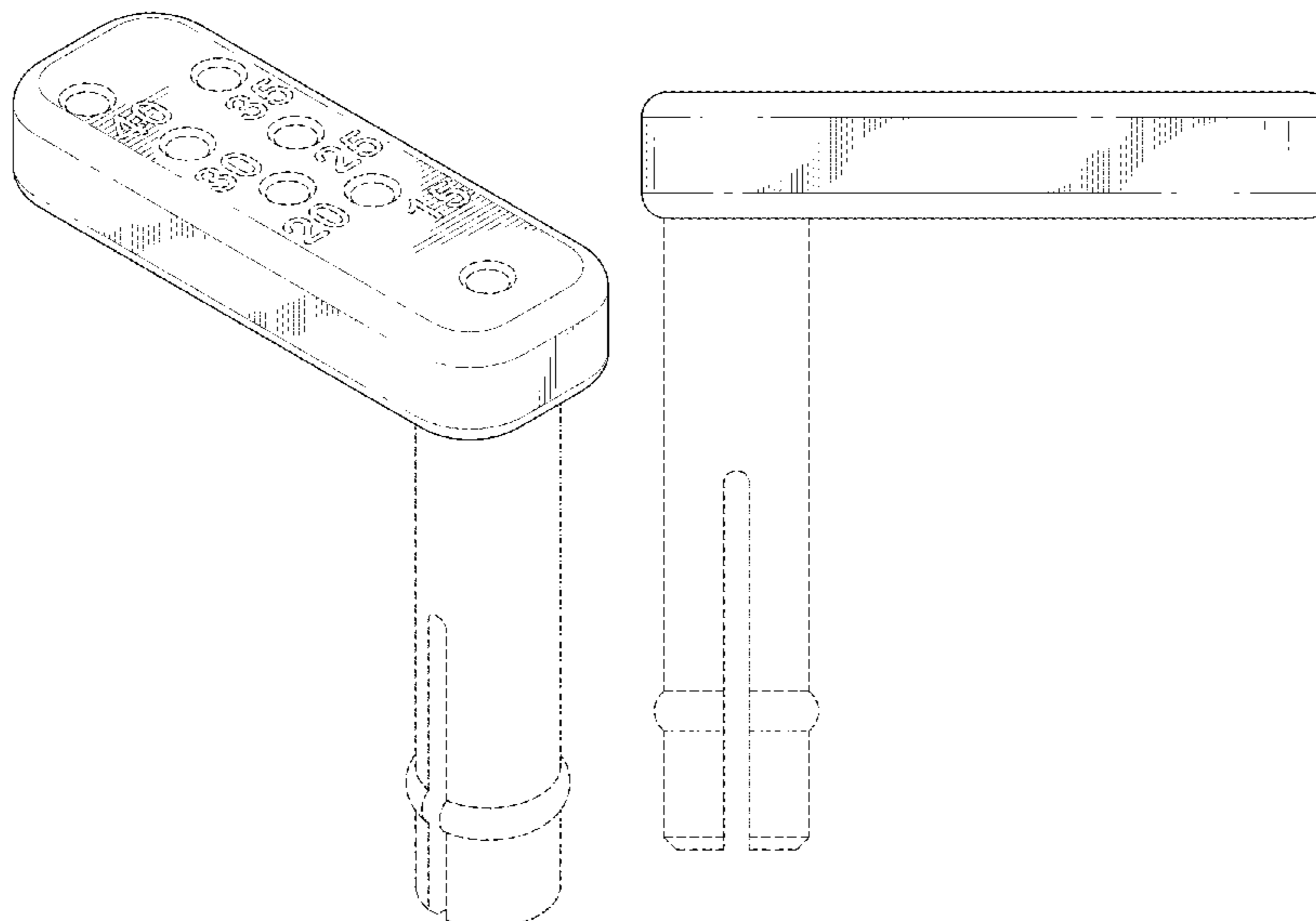
The ornamental design for a parallel surgical guide spacer, as shown and described.

DESCRIPTION

FIG. 1 is a front, left perspective-view of a parallel surgical guide spacer, showing our new design; FIG. 2 is a left-side view thereof; FIG. 3 is a right-side view thereof; FIG. 4 is a top view thereof; FIG. 5 is a bottom 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
4,486,689 A 12/1984 Davis
4,563,727 A 1/1986 Curiel
D326,156 S 5/1992 Martinez
5,144,946 A 9/1992 Weinberg
D337,820 S 7/1993 Hooper
5,676,545 A 10/1997 Jones
D389,639 S * 1/1998 Priebe D3/203.8
5,725,581 A 3/1998 Branemark
5,727,958 A 3/1998 Chen
5,735,898 A 4/1998 Branemark



(56)

References Cited

U.S. PATENT DOCUMENTS

6,604,945 B1 8/2003 Jones
 6,755,835 B2 6/2004 Schultheiss et al.
 D560,727 S 1/2008 Denoual
 7,354,442 B2 4/2008 Sasso et al.
 D588,211 S 3/2009 Croston
 D596,758 S * 7/2009 Constable D24/230
 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
 D629,517 S * 12/2010 Jauch D24/140
 D634,428 S 3/2011 Anderson
 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 D13/103
 D686,491 S * 7/2013 Kuo D9/432
 D691,201 S 10/2013 Roth
 8,574,273 B2 11/2013 Russell et al.
 D705,719 S * 5/2014 Wong D13/103
 D708,191 S * 7/2014 An D13/144
 8,808,337 B2 8/2014 Sweeney et al.
 D714,765 S 10/2014 Goransson
 8,870,836 B2 10/2014 Sweeney
 8,956,369 B2 2/2015 Millett et al.
 D736,380 S * 8/2015 Van Dalen D24/150
 9,131,970 B2 9/2015 Kang
 9,138,245 B2 * 9/2015 Mebarak A61B 17/1728
 9,173,692 B1 11/2015 Kaloostian
 9,198,702 B2 12/2015 Biederman et al.
 D748,786 S 2/2016 Bailey
 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
 D767,042 S * 9/2016 Martin D21/391
 9,445,852 B2 9/2016 Sweeney
 9,445,909 B2 9/2016 Cohen
 9,504,526 B2 * 11/2016 Hanson A61M 5/3287
 9,526,548 B2 12/2016 Asfora
 D778,156 S * 2/2017 Follett D9/432
 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 D9/424
 D802,536 S * 11/2017 Shang D13/144

D804,334 S * 12/2017 Becker D10/70
 9,907,582 B1 * 3/2018 Olea A61B 17/7079
 D831,479 S * 10/2018 Lylyk D9/432
 2004/0049284 A1 3/2004 German
 2004/0049286 A1 3/2004 German
 2005/0071008 A1 * 3/2005 Kirschman A61B 17/7059
 623/17.11
 2005/0203532 A1 9/2005 Ferguson
 2005/0228398 A1 * 10/2005 Rathbun A61B 17/1728
 606/96
 2007/0233123 A1 10/2007 Ahmad et al.
 2008/0133020 A1 6/2008 Blackwell
 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 A61B 17/1725
 606/96
 2014/0012340 A1 1/2014 Beck et al.
 2014/0046381 A1 2/2014 Asfora
 2014/0276857 A1 9/2014 Major
 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
 2018/0072488 A1 * 3/2018 Benoit B65D 85/187
 2018/0185038 A1 * 7/2018 Hero A61F 2/30756

OTHER PUBLICATIONS

65mm Flat Semi Circle Silicone Necklace Mold PM04, no date available, online, site visited Feb. 1, 2019, retrieved from url:<https://www.makememoldme.com/listing/588778232/65mm-flat-semi-circle-silicone-mold> (2019).
 Citrus Slice by faberdasher, Aug. 17, 2016 online, site visited Feb. 1, 2019, retrieved from url:<https://www.thingiverse.com/thing:1721009> (2016).
 Silicone mold 8 x 3.5 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 (2016).

* cited by examiner

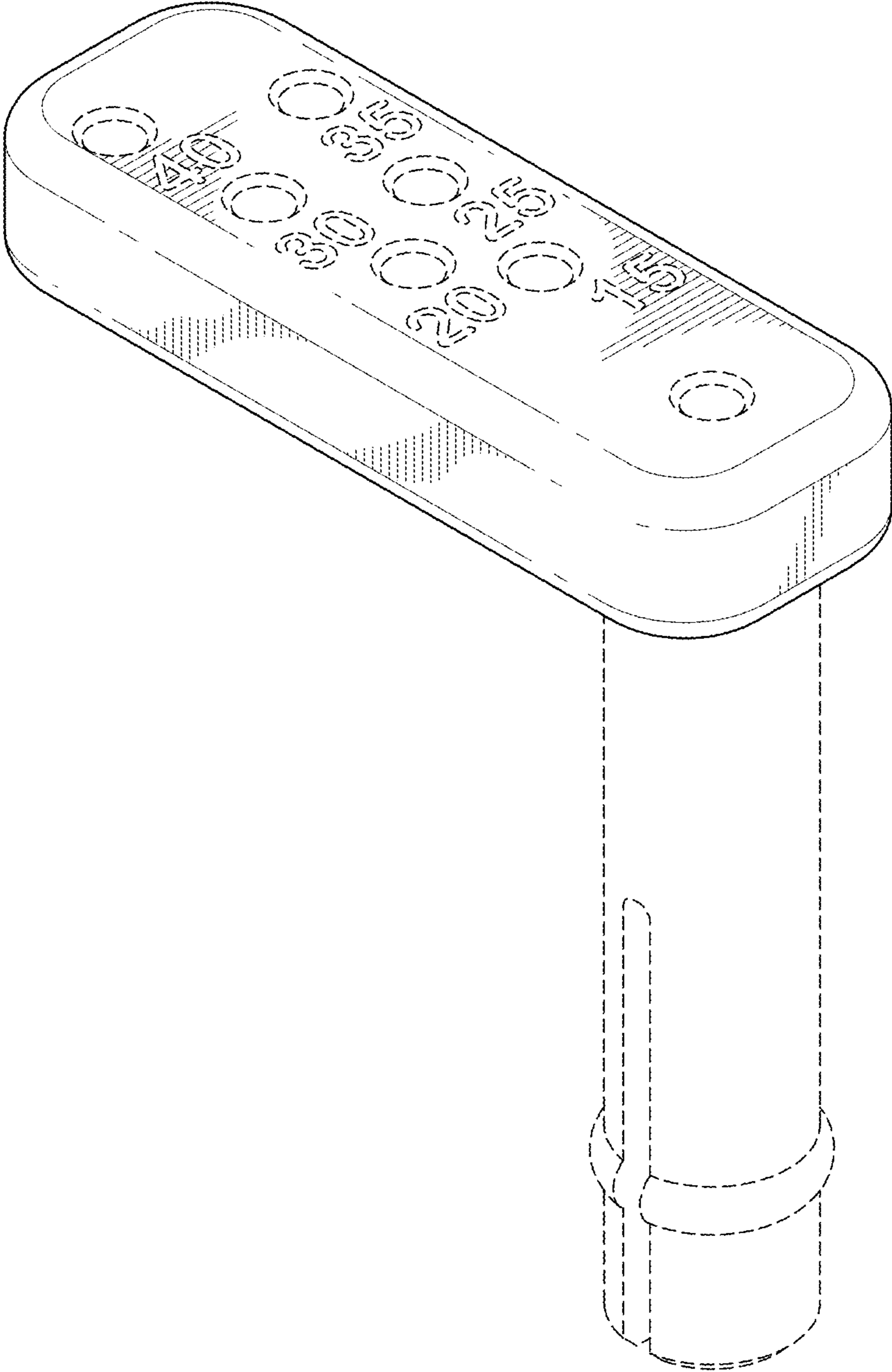


FIG. 1

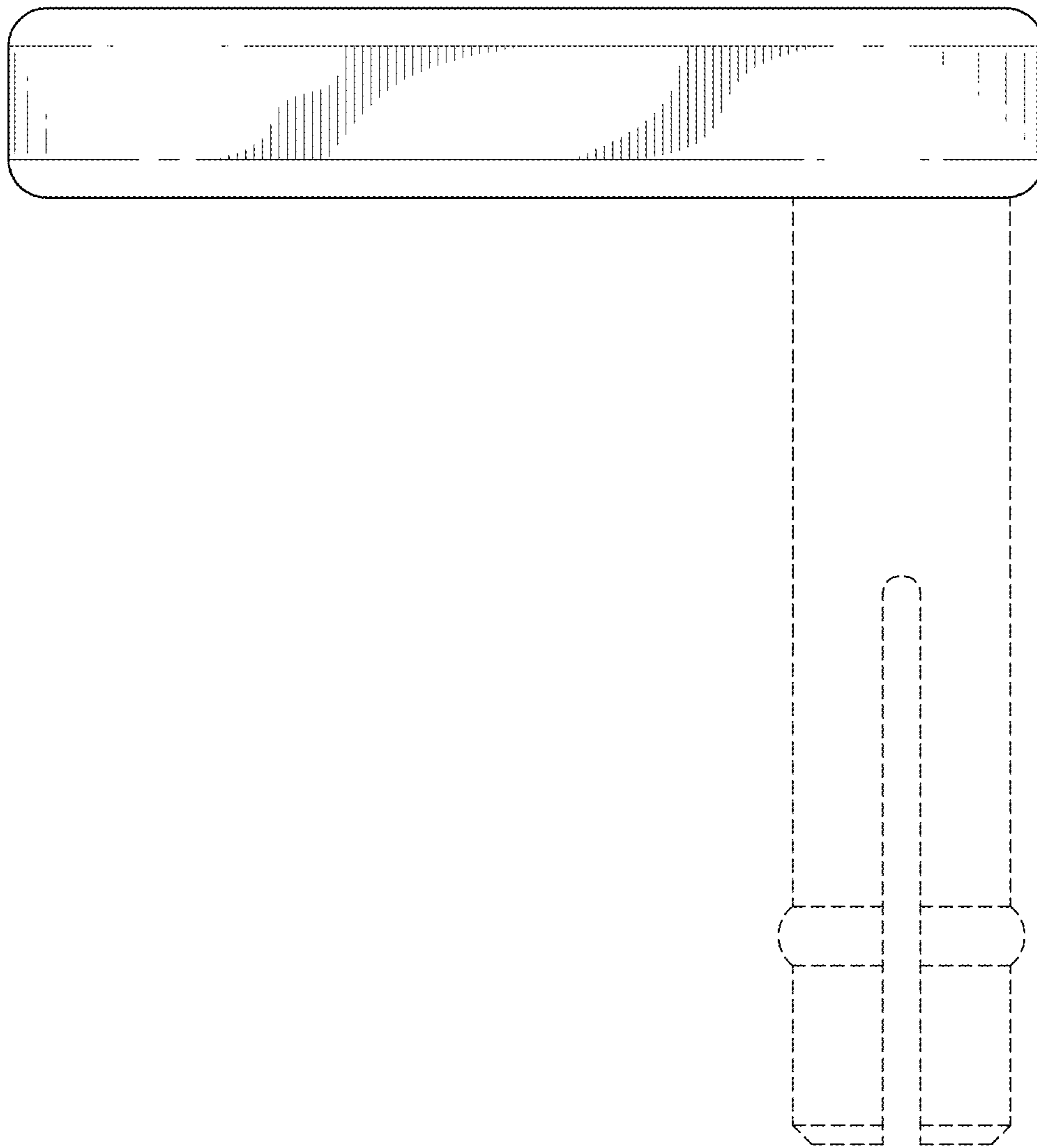


FIG. 2

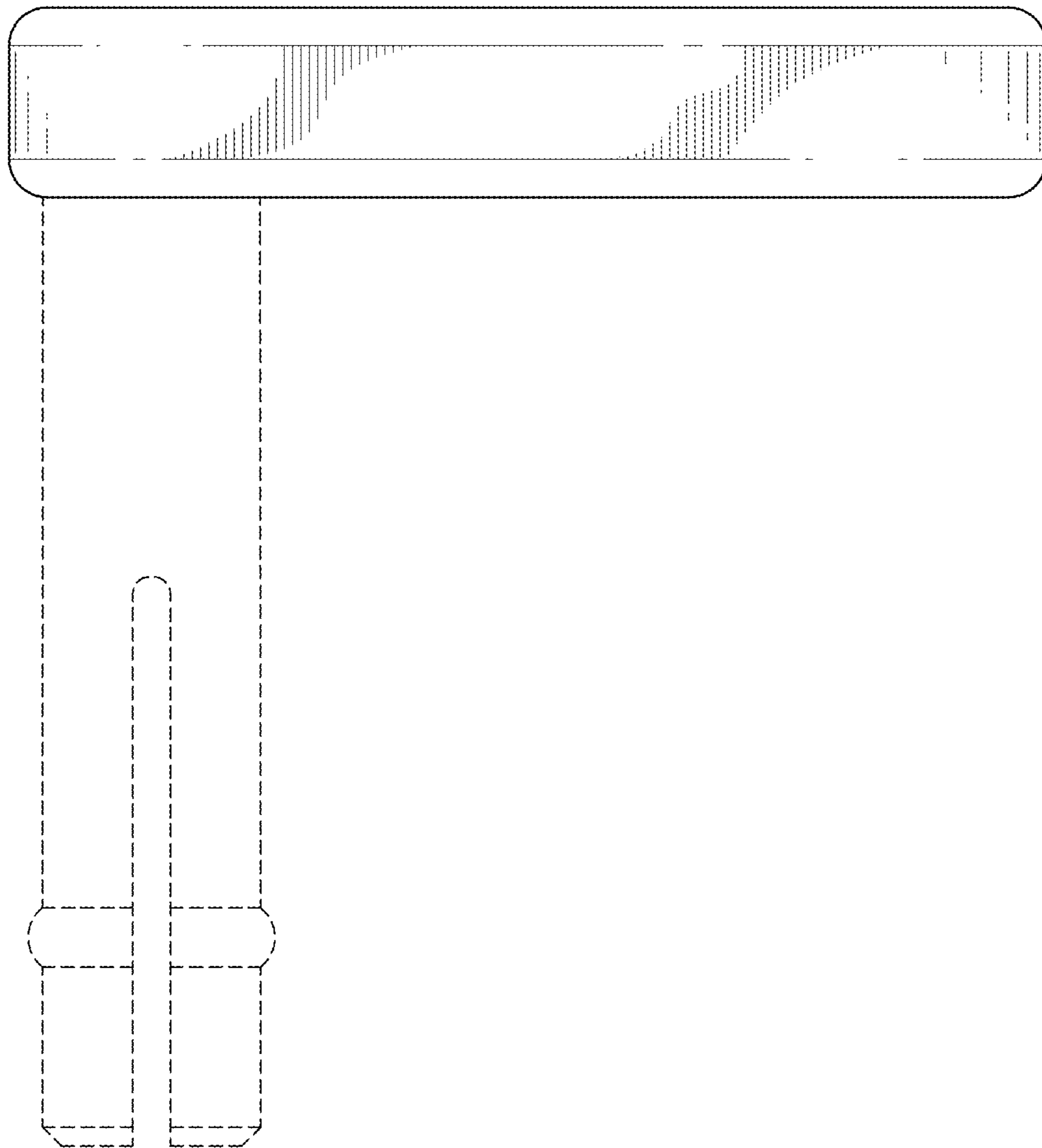


FIG. 3

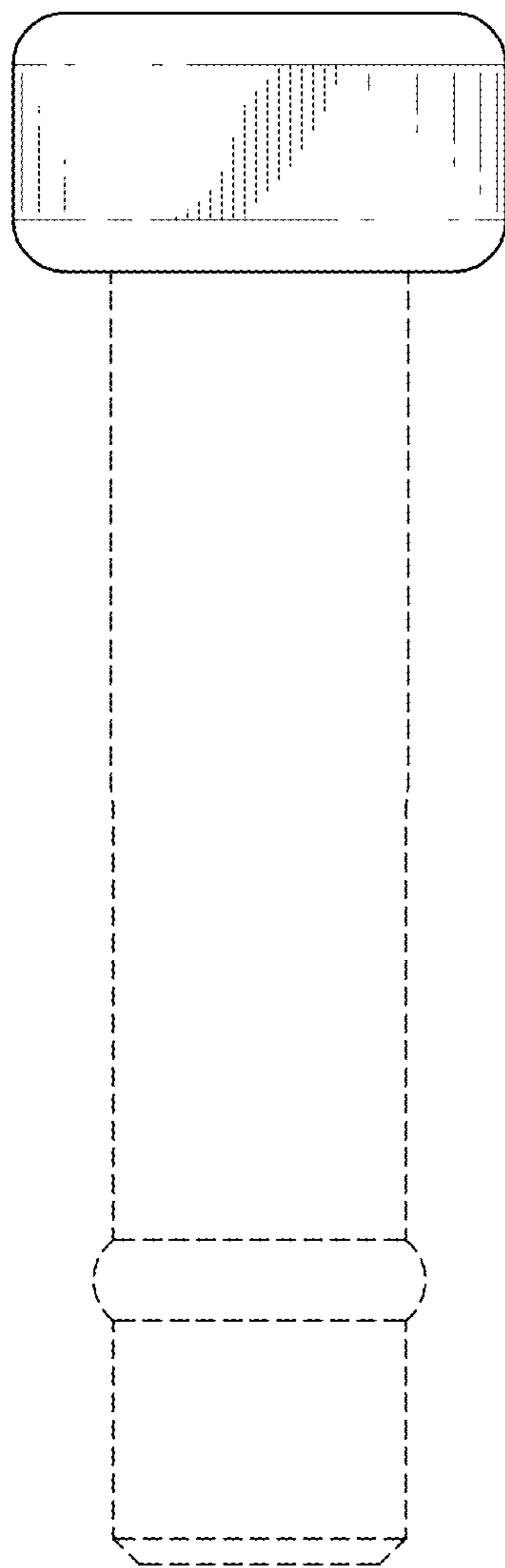


FIG. 4

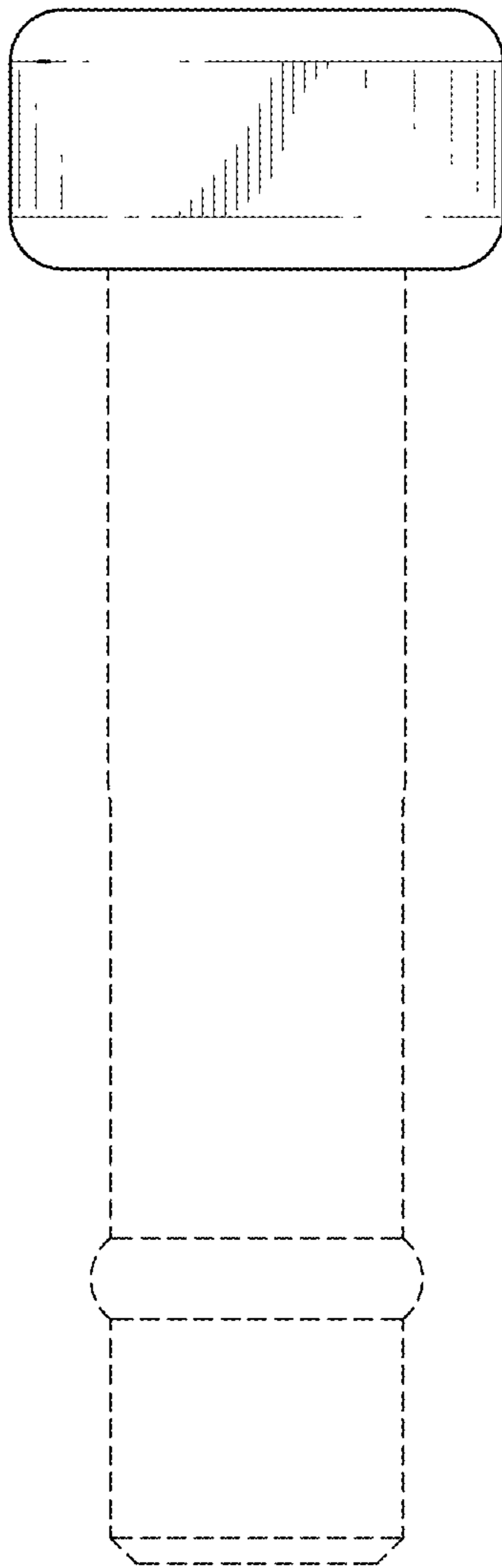


FIG. 5

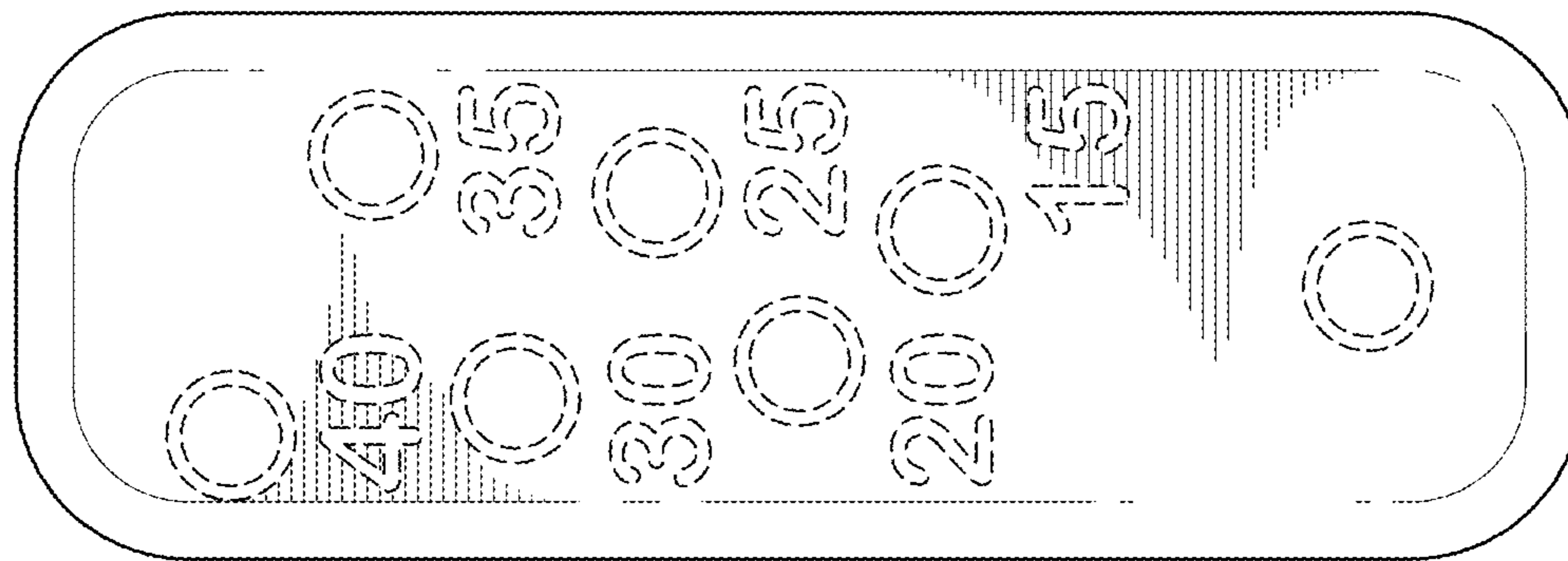


FIG. 6

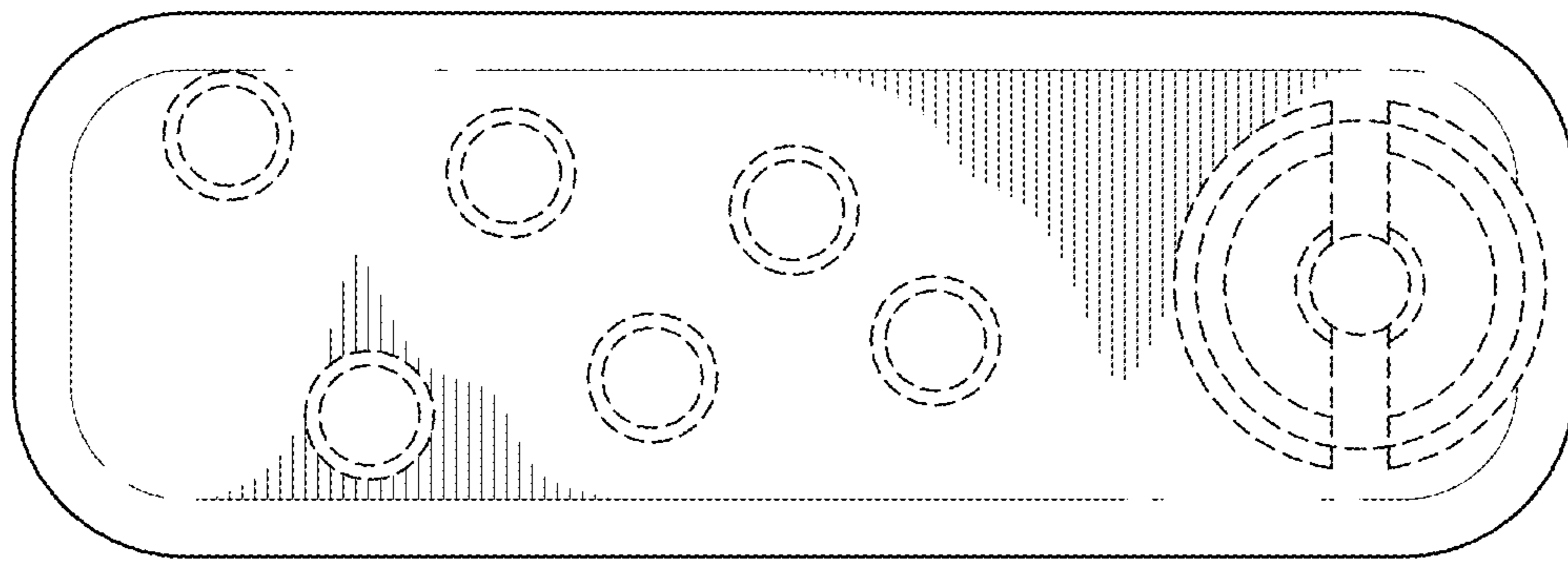


FIG. 7