US00D940477S

(12) **United States Design Patent**
**Chiquin**

(10) **Patent No.: US D940,477 S**
(45) **Date of Patent: ** Jan. 11, 2022**

(54) **OVAL BOTTOMRAIL FOR A SHADE STRUCTURE**

(71) Applicant: **Edwin Chiquin**, Miami, FL (US)

(72) Inventor: **Edwin Chiquin**, Miami, FL (US)

(73) Assignee: **VERTILUX LIMITED**, Medley, FL (US)

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

(21) Appl. No.: **29/735,169**

(22) Filed: **May 19, 2020**

(51) **LOC (13) Cl.** ..... **06-10**

(52) **U.S. Cl.**
USPC ..... **D6/580**

(58) **Field of Classification Search**
USPC ..... D5/31, 41, 99; D6/575–581; D13/155; D26/138
CPC ..... E06B 2009/425; E06B 2009/445; E06B 2009/583; E06B 2009/785; E06B 9/32; E06B 9/323; E06B 9/326; E06B 9/388; E06B 9/40; E06B 9/42; E06B 9/46; E06B 9/48; A47K 3/38; A47H 1/04; A47H 11/00; A47H 11/04; A47H 23/00; A47H 23/01; A47H 23/10; A47H 5/032
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|---|---|---|---|
| 1,909,109 | A | 5/1933 | Kopfstein |
| 2,549,905 | A | 4/1951 | Jablon |
| 3,297,075 | A | 1/1967 | Howell et al. |
| 3,402,421 | A | 9/1968 | Weber |
| 3,417,519 | A | 12/1968 | Hitter |
| 3,454,073 | A | 7/1969 | Man |
| 3,524,491 | A | 8/1970 | Olson |
| 4,122,559 | A | 10/1978 | Kelly |
| 4,197,896 | A | 4/1980 | Reichstadt |
| D259,810 | S | 7/1981 | Dallaire |
| D260,183 | S | 8/1981 | Dallaire |
| 4,393,915 | A | 7/1983 | Olson |
| D271,055 | S | 10/1983 | Cascone et al. |
| 4,452,294 | A | 6/1984 | Fukuchi |

(Continued)

FOREIGN PATENT DOCUMENTS

| | | |
|---|---|---|
| BG | 6230-0011 | 9/2006 |
| BG | 6230-0016 | 9/2006 |

(Continued)

OTHER PUBLICATIONS

Bing Search, http://www.quebanana.com/tienda/ver/herrajesmarino/145224, Aug. 22, 2013.

(Continued)

*Primary Examiner* — Kevin K Rudzinski
*Assistant Examiner* — Clare Ann Gannon
(74) *Attorney, Agent, or Firm* — Malloy & Malloy, PL

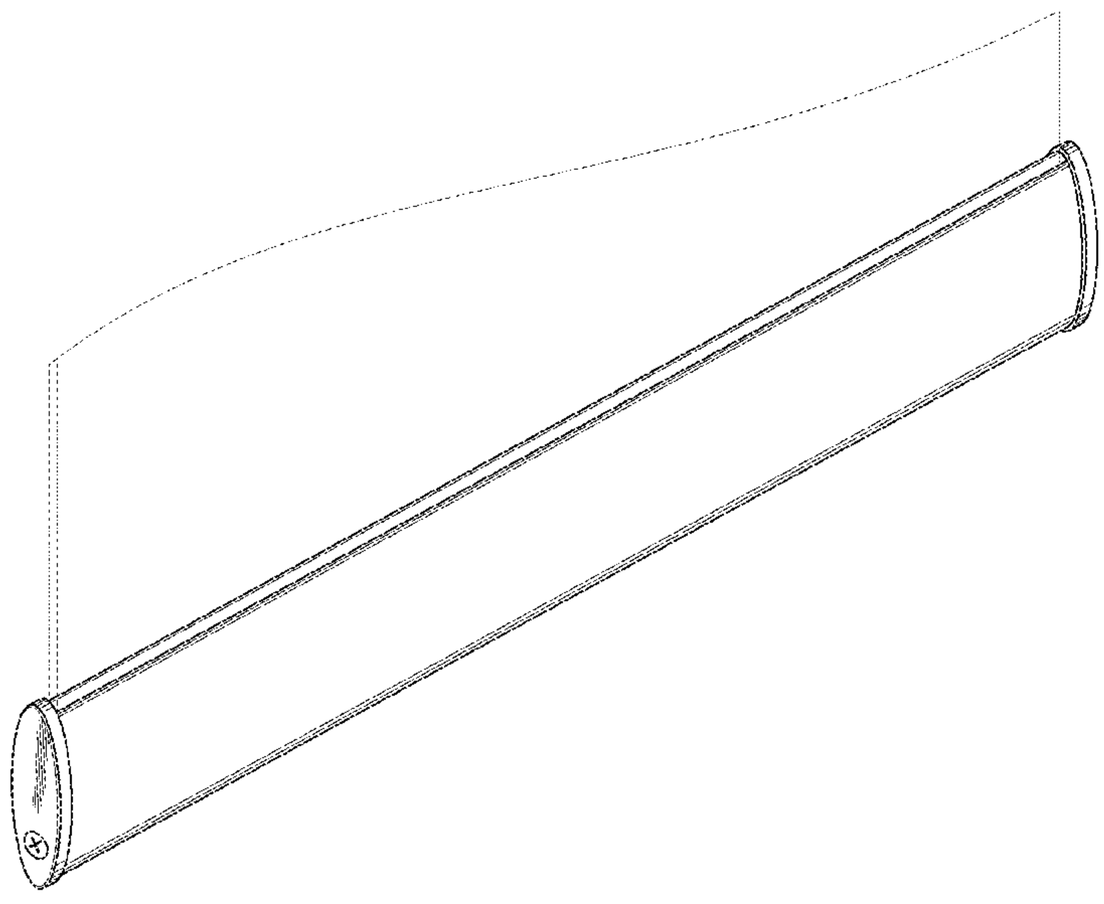
(57) **CLAIM**

The ornamental design for an oval bottomrail for a shade structure, as shown and described.

**DESCRIPTION**

FIG. **1** is a front perspective view illustrating my design for a oval bottomrail for a shade structure;
FIG. **2** is a front view thereof;
FIG. **3** is a left side view thereof;
FIG. **4** is a top view thereof;
FIG. **5** is a right side view thereof;
FIG. **6** is a bottom view thereof; and,
FIG. **7** is a rear view thereof.
The broken lines in the drawings are included for purposes of illustrating portions of the oval bottomrail for a shade structure, but form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|---|---|---|---|---|
| D294,321 | S | 2/1988 | Olofsson | |
| 4,840,216 | A | 6/1989 | John | |
| 4,935,988 | A | 6/1990 | Ford et al. | |
| 4,987,943 | A | 1/1991 | Charest | |
| 5,137,073 | A | 8/1992 | Huang | |
| 5,232,039 | A | 8/1993 | Shapiro et al. | |
| 5,259,687 | A | 11/1993 | John | |
| 5,271,687 | A | 12/1993 | Holka et al. | |
| D345,498 | S | 3/1994 | Fraser et al. | |
| 5,296,964 | A | 3/1994 | Shopp | |
| 5,330,821 | A | 7/1994 | Lo | |
| D353,209 | S | 12/1994 | Dallaire et al. | |
| D355,094 | S | 2/1995 | Josephson | |
| D355,604 | S | 2/1995 | De Baschmakoff | |
| 5,647,421 | A | 7/1997 | Hoffman et al. | |
| D382,651 | S | 8/1997 | Colitto | |
| D382,652 | S | 8/1997 | Colitto | |
| 5,803,144 | A | 9/1998 | Ives | |
| D405,194 | S | 2/1999 | Kenkel | |
| 5,924,255 | A | 7/1999 | Vagedes | |
| 5,975,186 | A | 11/1999 | Day | |
| D429,588 | S | 8/2000 | Smederod | |
| 6,111,694 | A | 8/2000 | Shopp | |
| 6,173,825 | B1 | 1/2001 | Liu | |
| 6,196,508 | B1 | 3/2001 | Nijs | |
| 6,202,967 | B1 | 3/2001 | Fraczek | |
| D440,099 | S | 4/2001 | Hortsen | |
| 6,230,782 | B1 | 5/2001 | Reichert | |
| 6,234,233 | B1 | 5/2001 | Biro | |
| 6,269,909 | B1 | 8/2001 | Grimes et al. | |
| 6,408,922 | B2 | 6/2002 | Desrochers | |
| D468,453 | S * | 1/2003 | Schrader | D25/121 |
| 6,532,109 | B1 | 3/2003 | Shopp | |
| D479,934 | S * | 9/2003 | Colson | D6/577 |
| 6,666,251 | B2 | 12/2003 | Ikle | |
| D489,209 | S | 5/2004 | Goldberg | |
| 6,739,373 | B1 | 5/2004 | Liu et al. | |
| D492,809 | S * | 7/2004 | Weitgasser | D26/76 |
| D494,401 | S | 8/2004 | Davies et al. | |
| 6,817,399 | B2 | 11/2004 | Berman et al. | |
| 6,817,402 | B1 | 11/2004 | Fraczek et al. | |
| 6,978,821 | B2 | 12/2005 | Welfonder | |
| 7,048,028 | B2 | 5/2006 | Wolfe et al. | |
| D530,967 | S | 10/2006 | Smith | |
| 7,141,164 | B2 | 11/2006 | Slack et al. | |
| 7,168,475 | B2 * | 1/2007 | Colson | E06B 7/086 160/168.1 R |
| D537,173 | S | 2/2007 | Westphal et al. | |
| 7,195,052 | B2 | 3/2007 | Nien et al. | |
| D542,068 | S | 5/2007 | Watkins et al. | |
| 7,210,513 | B2 | 5/2007 | Goldenberg et al. | |
| D557,116 | S | 12/2007 | Zakowski | |
| 7,353,857 | B2 | 4/2008 | Koop | |
| 7,367,536 | B1 | 5/2008 | Anderson et al. | |
| 7,380,582 | B1 | 6/2008 | Anderson et al. | |
| D573,267 | S | 7/2008 | Brinton et al. | |
| D577,138 | S * | 9/2008 | Kitagawa | D26/37 |
| D591,442 | S * | 4/2009 | Ford | D26/77 |
| D596,435 | S | 7/2009 | Wills | |
| D599,051 | S * | 8/2009 | Wu | D26/76 |
| D604,885 | S * | 11/2009 | Ford | E06B 7/08 D26/76 |
| 7,614,439 | B2 | 11/2009 | Lukos | |
| D616,567 | S | 5/2010 | Desrosiers et al. | |
| D616,568 | S | 5/2010 | Desrosiers et al. | |
| 7,770,625 | B2 | 8/2010 | Lukos | |
| D628,715 | S | 12/2010 | Gosling et al. | |
| D634,573 | S | 3/2011 | Risher | |
| 7,921,602 | B2 * | 4/2011 | Ohanesian | E06B 7/08 49/403 |
| 7,997,041 | B2 | 8/2011 | Slack et al. | |
| D652,568 | S | 1/2012 | Trzesniowski | |
| 8,136,569 | B2 | 3/2012 | Bohlen et al. | |
| 8,220,520 | B2 | 7/2012 | Lukos | |
| D675,050 | S | 1/2013 | Garcia | |
| D680,357 | S | 4/2013 | Wills et al. | |
| 8,480,048 | B2 | 7/2013 | Krantz-Lilienthal | |
| 8,528,623 | B2 | 9/2013 | Roberts | |
| D691,398 | S * | 10/2013 | Chou | D6/580 |
| D692,685 | S | 11/2013 | Chou | |
| D694,039 | S | 11/2013 | Licciardi Di Stefano | |
| 8,584,317 | B2 | 11/2013 | Liebscher et al. | |
| D697,335 | S * | 1/2014 | Dekker | D6/580 |
| D699,976 | S | 2/2014 | Chou | |
| D710,128 | S | 8/2014 | Garcia | |
| D715,629 | S | 10/2014 | Grubb et al. | |
| 8,960,621 | B2 | 2/2015 | Wills | |
| 9,004,142 | B2 | 4/2015 | Marocco | |
| 9,060,636 | B2 | 6/2015 | Cannaverde | |
| D740,589 | S | 10/2015 | Ng | |
| D742,138 | S | 11/2015 | Chou | |
| D753,933 | S | 4/2016 | Ng | |
| D759,400 | S | 6/2016 | Watkins | |
| D762,398 | S | 8/2016 | Ng | |
| 9,498,079 | B2 | 11/2016 | Sanchuk | |
| D775,939 | S | 1/2017 | Ng | |
| D780,945 | S | 3/2017 | Guillemi | |
| D789,454 | S | 6/2017 | Prisnie | |
| D791,580 | S | 7/2017 | Chou | |
| D793,765 | S | 8/2017 | Chou | |
| D808,684 | S | 1/2018 | Santilli | |
| D808,685 | S | 1/2018 | Raiti | |
| 9,976,346 | B2 | 5/2018 | Ng | |
| D822,228 | S | 7/2018 | Wang et al. | |
| D828,052 | S | 9/2018 | Bouroullec et al. | |
| D833,175 | S | 11/2018 | Miroshnichenko et al. | |
| D843,130 | S | 3/2019 | Bacal | |
| D843,131 | S | 3/2019 | Chou | |
| 10,309,153 | B2 | 6/2019 | McPherson et al. | |
| D854,192 | S | 7/2019 | Rokvic | |
| D854,855 | S | 7/2019 | Garcia Garcia | |
| D854,856 | S | 7/2019 | Garcia Garcia | |
| 10,544,621 | B2 | 1/2020 | Mocanu et al. | |
| D878,103 | S | 3/2020 | Bacal | |
| 10,619,412 | B2 * | 4/2020 | Chen | E06B 9/386 |
| D885,084 | S | 5/2020 | Chiquin | |
| 10,648,230 | B2 | 5/2020 | Holt et al. | |
| D911,064 | S * | 2/2021 | Holt | D6/580 |
| D920,004 | S | 5/2021 | Chiquin | |
| 2003/0178276 | A1 | 9/2003 | Fraczek et al. | |
| 2004/0182522 | A1 | 9/2004 | Strand et al. | |
| 2005/0247413 | A1 | 11/2005 | Nien et al. | |
| 2005/0269044 | A1 * | 12/2005 | Nien | E06B 9/386 160/236 |
| 2006/0000559 | A1 | 1/2006 | Bohlen | |
| 2006/0049325 | A1 | 3/2006 | Jung | |
| 2006/0113046 | A1 * | 6/2006 | Prince | E06B 9/386 160/236 |
| 2006/0243402 | A1 | 11/2006 | Chang | |
| 2007/0169900 | A1 | 7/2007 | Chen et al. | |
| 2007/0221344 | A1 * | 9/2007 | Beach | E06B 9/386 160/236 |
| 2007/0284051 | A1 | 12/2007 | Grimes et al. | |
| 2008/0245489 | A1 * | 10/2008 | Chuang | E06B 7/08 160/236 |
| 2009/0229767 | A1 | 9/2009 | Mullet et al. | |
| 2009/0250177 | A1 | 10/2009 | Byeon | |
| 2009/0258752 | A1 | 10/2009 | Bohlen et al. | |
| 2010/0101741 | A1 | 4/2010 | Koop | |
| 2010/0175838 | A1 | 7/2010 | Faller et al. | |
| 2010/0300631 | A1 | 12/2010 | Sullivan | |
| 2011/0006176 | A1 | 1/2011 | Krantz-Lilienthal | |
| 2011/0049071 | A1 | 3/2011 | Hart et al. | |
| 2011/0114809 | A1 | 5/2011 | Ng | |
| 2012/0012262 | A1 | 1/2012 | Santoro et al. | |
| 2012/0031572 | A1 | 2/2012 | Ng et al. | |
| 2012/0061034 | A1 | 3/2012 | Ng | |
| 2012/0097346 | A1 | 4/2012 | Ng | |
| 2012/0255686 | A1 | 10/2012 | Huang | |
| 2013/0048229 | A1 | 2/2013 | Dwarka | |
| 2013/0068405 | A1 | 3/2013 | Lava et al. | |
| 2013/0098563 | A1 | 4/2013 | Jang | |
| 2013/0176743 | A1 * | 7/2013 | Pfund | F21V 23/06 362/368 |

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|---|---|---|---|---|
| 2014/0009519 | A1 | 1/2014 | Kumagai et al. | |
| 2014/0048218 | A1 | 2/2014 | Ng | |
| 2014/0251558 | A1 | 9/2014 | Chou | |
| 2014/0262076 | A1 | 9/2014 | Mullet et al. | |
| 2014/0305602 | A1 | 10/2014 | Kirby et al. | |
| 2014/0352897 | A1 | 12/2014 | Mullet et al. | |
| 2015/0027059 | A1 | 1/2015 | Lu et al. | |
| 2015/0047792 | A1* | 2/2015 | Lukosiunas | E06B 9/388 160/84.05 |
| 2015/0075726 | A1 | 3/2015 | Byun | |
| 2015/0240851 | A1 | 10/2015 | Giacometti et al. | |
| 2015/0275571 | A1 | 10/2015 | Guhl | |
| 2015/0292261 | A1 | 10/2015 | Chou | |
| 2015/0292262 | A1 | 10/2015 | Miller et al. | |
| 2015/0297014 | A1 | 10/2015 | Cannaverde | |
| 2015/0368970 | A1 | 12/2015 | Chambers et al. | |
| 2016/0032646 | A1 | 2/2016 | Fleischman | |
| 2016/0051074 | A1 | 2/2016 | Choue | |
| 2016/0090779 | A1 | 3/2016 | Nurre et al. | |
| 2016/0130869 | A1 | 5/2016 | Cheng | |
| 2016/0298375 | A1 | 10/2016 | Wagner et al. | |
| 2016/0326800 | A1 | 11/2016 | Marocco | |
| 2016/0340972 | A1 | 11/2016 | Chou | |
| 2017/0009519 | A1 | 1/2017 | Marocco | |
| 2017/0079459 | A1 | 3/2017 | Filko | |
| 2017/0114593 | A1 | 4/2017 | Hebeisen et al. | |
| 2018/0087319 | A1 | 3/2018 | McPherson et al. | |
| 2018/0202157 | A1 | 7/2018 | Neal | |
| 2019/0264499 | A1 | 8/2019 | McNeill et al. | |
| 2019/0352963 | A1* | 11/2019 | Jang | E06B 9/40 |
| 2020/0131846 | A1 | 4/2020 | Hebeisen et al. | |
| 2020/0208464 | A1 | 7/2020 | Guest et al. | |
| 2020/0355026 | A1 | 11/2020 | Liu | |

FOREIGN PATENT DOCUMENTS

| | | |
|---|---|---|
| BR | 3020120013798 | 2/2013 |
| BR | 3020120056900 | 3/2016 |
| CN | 2012300548304 | 3/2013 |
| CN | 2012303568969 | 4/2013 |
| CO | 07051520 | 5/2007 |
| CO | 282 | 7/2012 |
| EM | 000113899-0003 | 4/2003 |
| EM | 000275839-0002 | 12/2004 |
| EM | 000279633-0001 | 1/2005 |
| EM | 000518923-0001 | 4/2006 |
| EM | 000795752-0001 | 9/2007 |
| EM | 001084370-0013 | 2/2009 |
| EM | 001102875-0002 | 3/2009 |
| EM | 0013369940001 | 7/2012 |
| EM | 003342013-0012 | 8/2016 |
| GB | 2052622 | 12/1995 |
| MX | 38640 | 5/2013 |
| PE | 002031-2018 | 1/2019 |
| WO | WOD068016-0004 | 6/2006 |
| WO | WOD086931-0004 | 6/2015 |

OTHER PUBLICATIONS

Rollashade, Rollashade Contract Series, Feb. 5, 2018.

Rolleaseacmeda, System Quick Reference Guide; https://www.rolleaseacmeda.com/docs/default-source/default-document-library/edge-side-channels_qrg_us_v1-0.pdf?sfvrsn=0&sfvrsn=0, Feb. 5, 2018.

* cited by examiner

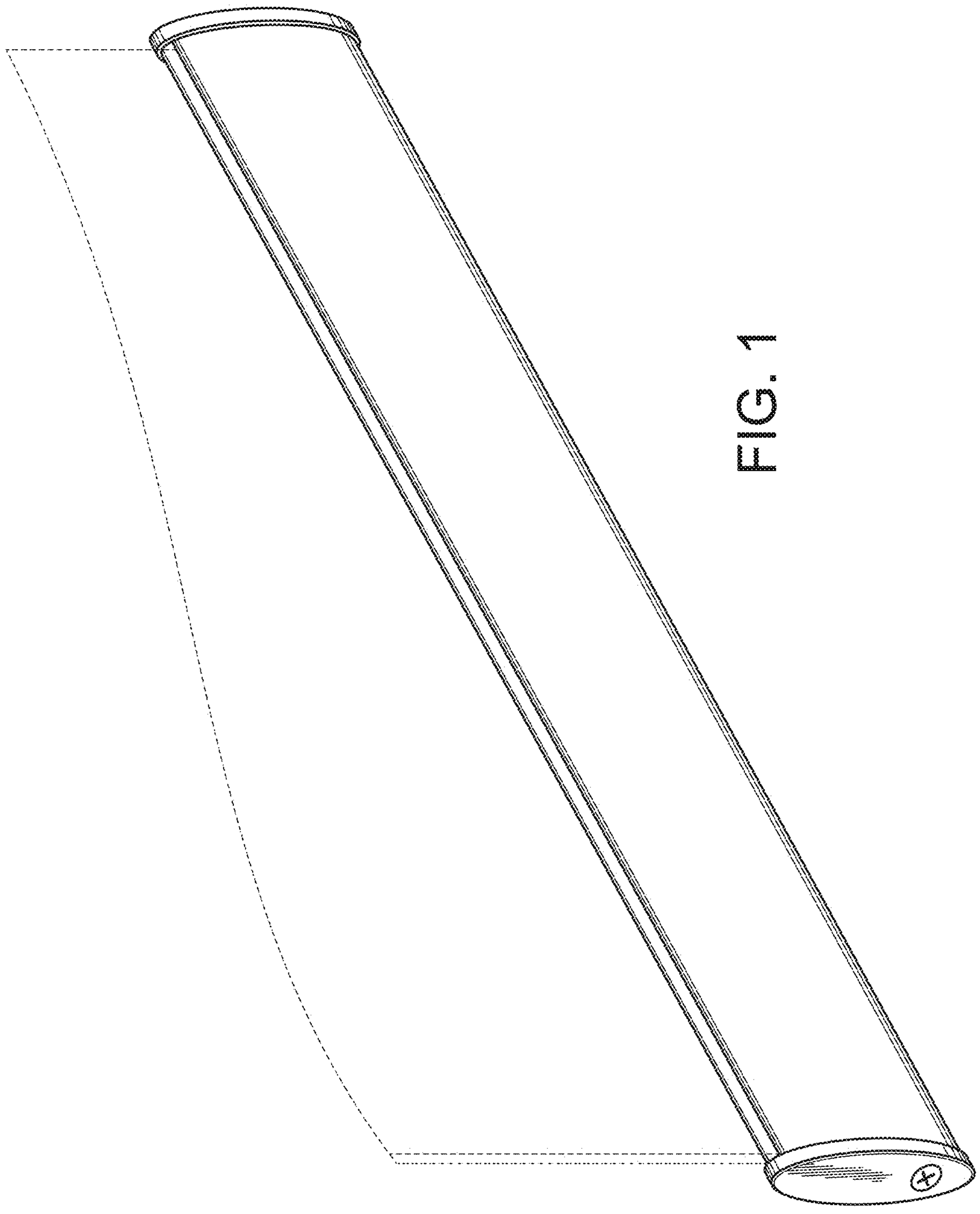


FIG. 1

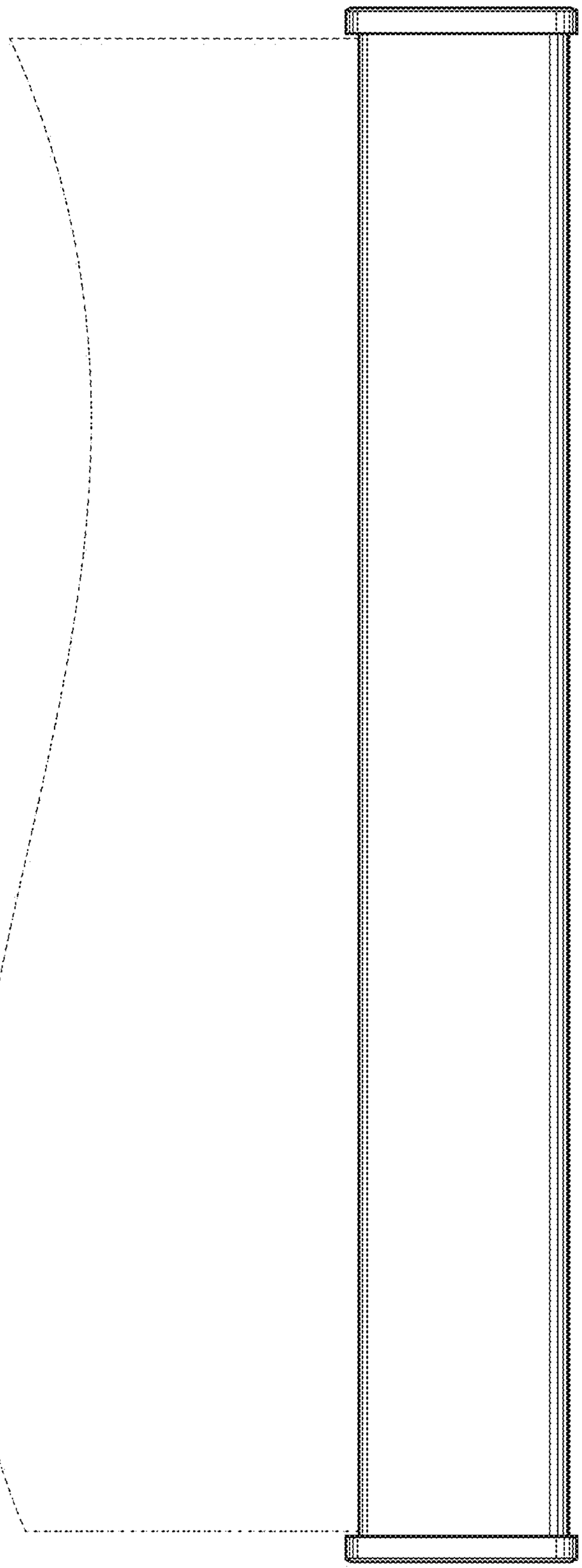


FIG. 2

FIG. 5

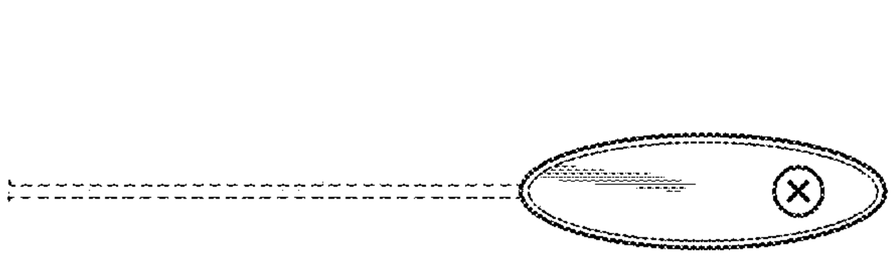


FIG. 6

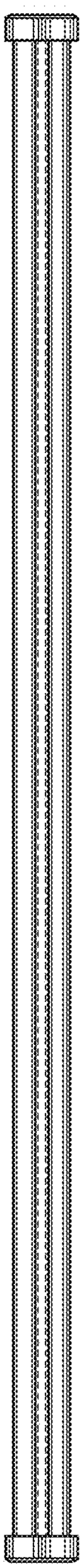


FIG. 4

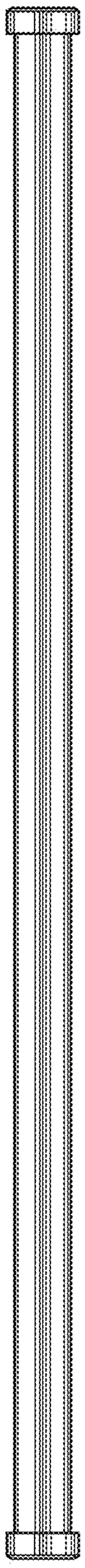


FIG. 6

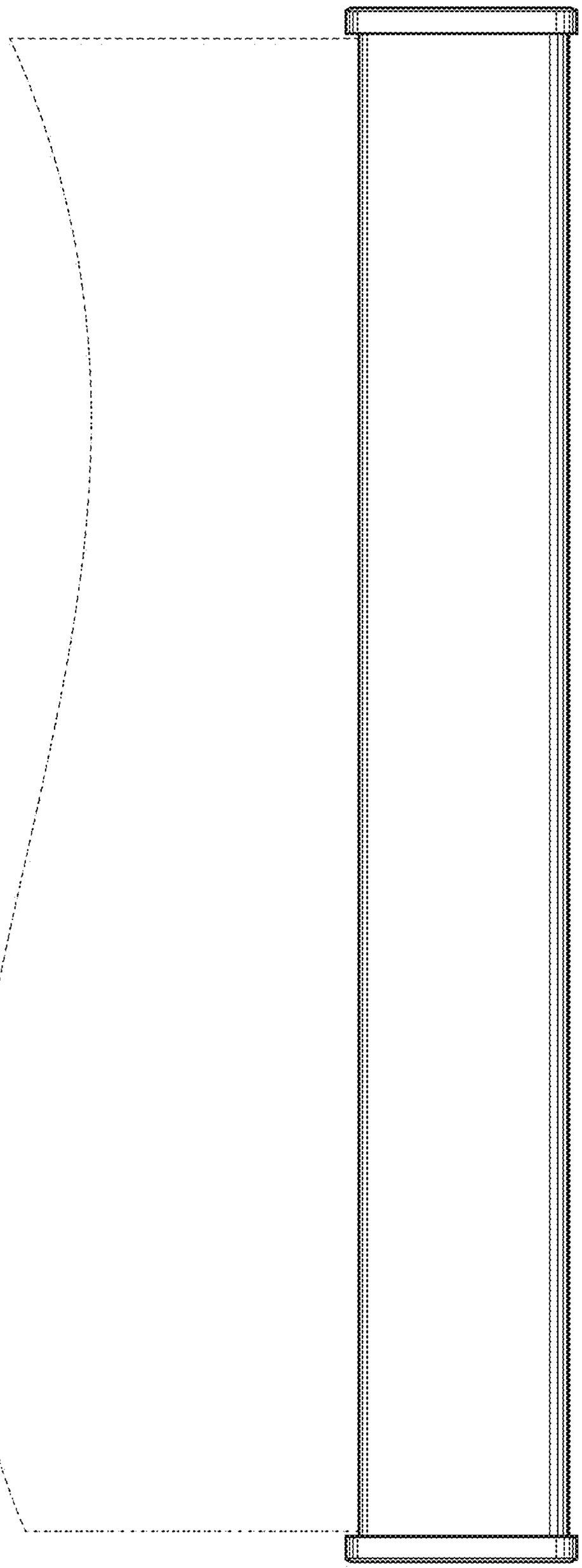


FIG. 7