



US00D953296S

(12) **United States Design Patent** (10) **Patent No.:** **US D953,296 S**
Min et al. (45) **Date of Patent:** **** May 31, 2022**

(54) **ELECTRONIC CONTROLLER**

D652,715 S * 1/2012 Quinter D9/414
D658,635 S * 5/2012 Hou D14/218
D664,947 S * 8/2012 Choi D14/218

(71) Applicant: **NANJING EASTHOUSE ELECTRICAL CO., LTD.**, Nanjing (CN)

(Continued)

FOREIGN PATENT DOCUMENTS

(72) Inventors: **Hao Min**, Nanjing (CN); **Yumin Zhu**, Nanjing (CN)

CN 307169778 * 3/2022
KR 3010005920000 * 4/2019

(Continued)

(73) Assignee: **NANJING EASTHOUSE ELECTRICAL CO., LTD.**, Nanjing (CN)

OTHER PUBLICATIONS

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

Philmore, Hand Held Push Button Switch . . . , available at Amazon.com, [date first available Feb. 4, 2015], [site visited Apr. 3, 2022], Available at URL: https://www.amazon.com/dp/B00T6RCGNC/ref=cm_sw_em_r_mt_dp_TKYYQW97JFAKZQK08ZK7?_encoding=UTF8&psc=1 (Year: 2015).*

(Continued)

(21) Appl. No.: **29/702,012**

(22) Filed: **Aug. 16, 2019**

(51) **LOC (13) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/218**

(58) **Field of Classification Search**
USPC D14/218, 214, 201, 231-239; D22/144; D8/20, 391; D25/27; D21/333, 324
CPC H01H 9/165; H01H 9/18; H01H 9/181; H01H 9/0235; H01H 9/0242; H01H 19/005; H01H 2009/0257; H01H 67/00; H04N 21/4221

See application file for complete search history.

Primary Examiner — Daniel J Domino

Assistant Examiner — Samina Vieth

(74) *Attorney, Agent, or Firm* — Ming Jiang; MM IP Services LLC

(57) **CLAIM**

We claim the ornamental design for an electronic controller, as shown and described.

DESCRIPTION

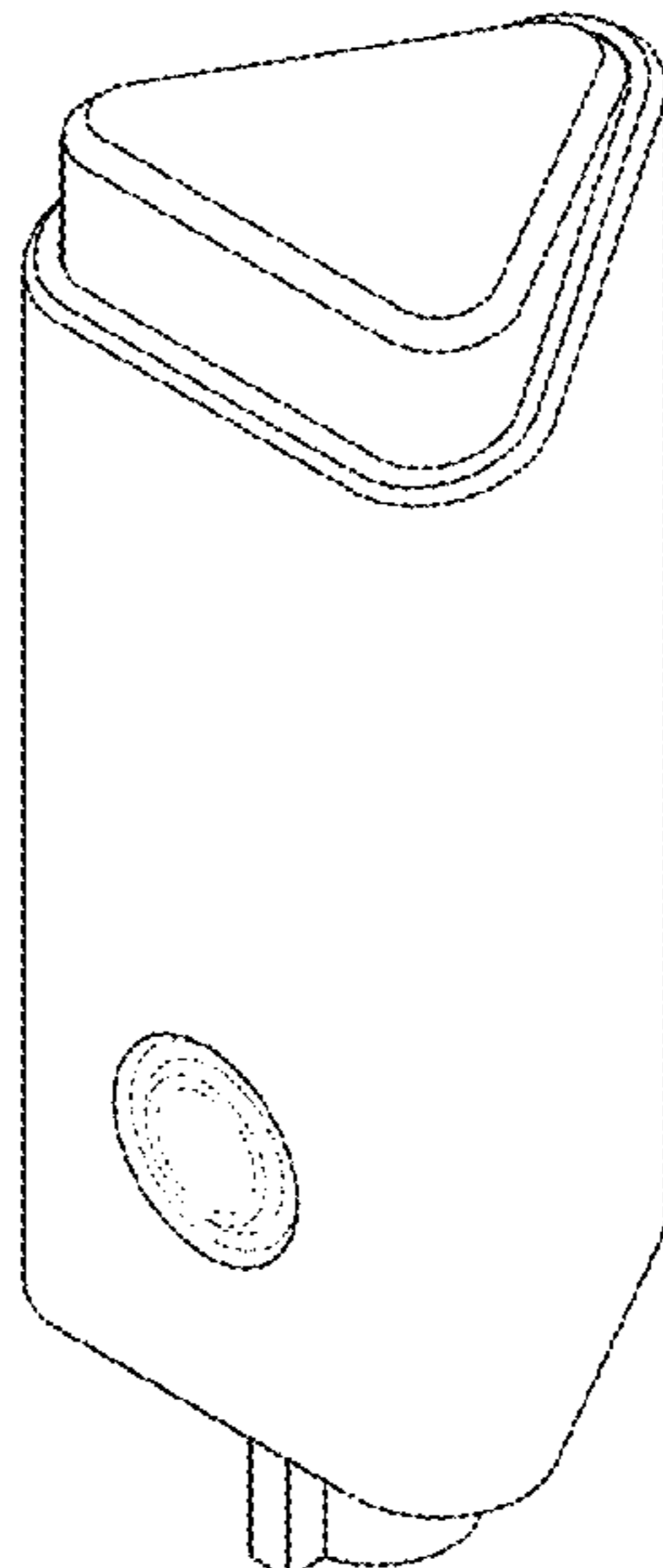
FIG. 1 is a right side, top perspective view of the electronic controller showing our new design; FIG. 2 is a front elevation view thereof; FIG. 3 is a rear elevation view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a left side view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view thereof. The broken lines in the figures illustrate the portions of the electronic controller that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D405,091 S * 2/1999 Guttadauro D14/230
5,899,210 A * 5/1999 Letherby A45D 29/04 132/73
D415,114 S * 10/1999 Kawashima D14/218
D470,125 S * 2/2003 Jordan D14/212
D489,040 S * 4/2004 Kumagai D13/171
D566,051 S * 4/2008 Govindasamy D14/218
D573,134 S * 7/2008 Milks D14/214
D617,554 S * 6/2010 Raile D3/265

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D672,008 S * 12/2012 Underwood D14/218
 D677,047 S * 3/2013 Watson D3/203.5
 D683,022 S * 5/2013 Moon D24/158
 D687,416 S * 8/2013 Lee D14/218
 D691,118 S * 10/2013 Ingham D14/218
 D698,338 S * 1/2014 Ingham D14/218
 D716,758 S * 11/2014 Burgett D14/218
 D718,750 S * 12/2014 Young D14/203.7
 D723,515 S * 3/2015 Ang D14/204
 D737,250 S * 8/2015 Ingham D14/218
 D743,936 S * 11/2015 Cloarec D14/210
 D805,911 S * 12/2017 Borer D9/561
 D846,524 S * 4/2019 Lai D14/149
 D896,779 S * 9/2020 Lin D14/204
 D938,795 S * 12/2021 Lipscomb D8/90
 2005/0255895 A1 * 11/2005 Lee H02J 7/0044
 455/575.1

2006/0169754 A1* 8/2006 Tseng B65D 77/042
 229/162.1
 2007/0041770 A1* 2/2007 Galeev G06F 3/0231
 400/472
 2018/0019075 A1* 1/2018 Asento H01H 9/0235

FOREIGN PATENT DOCUMENTS

KR 301091613.0000 * 1/2021
 KR 301127043.0000 * 9/2021

OTHER PUBLICATIONS

Rehabmart, Thumb Assistive Technology Switch, available at rehabmart.com, [date first available May 10, 2012], [site visited Apr. 3, 2022], Available at URL: <https://www.rehabmart.com/product/thumb-assistive-technology-switch-32091.html> (Year: 2012).*

* cited by examiner

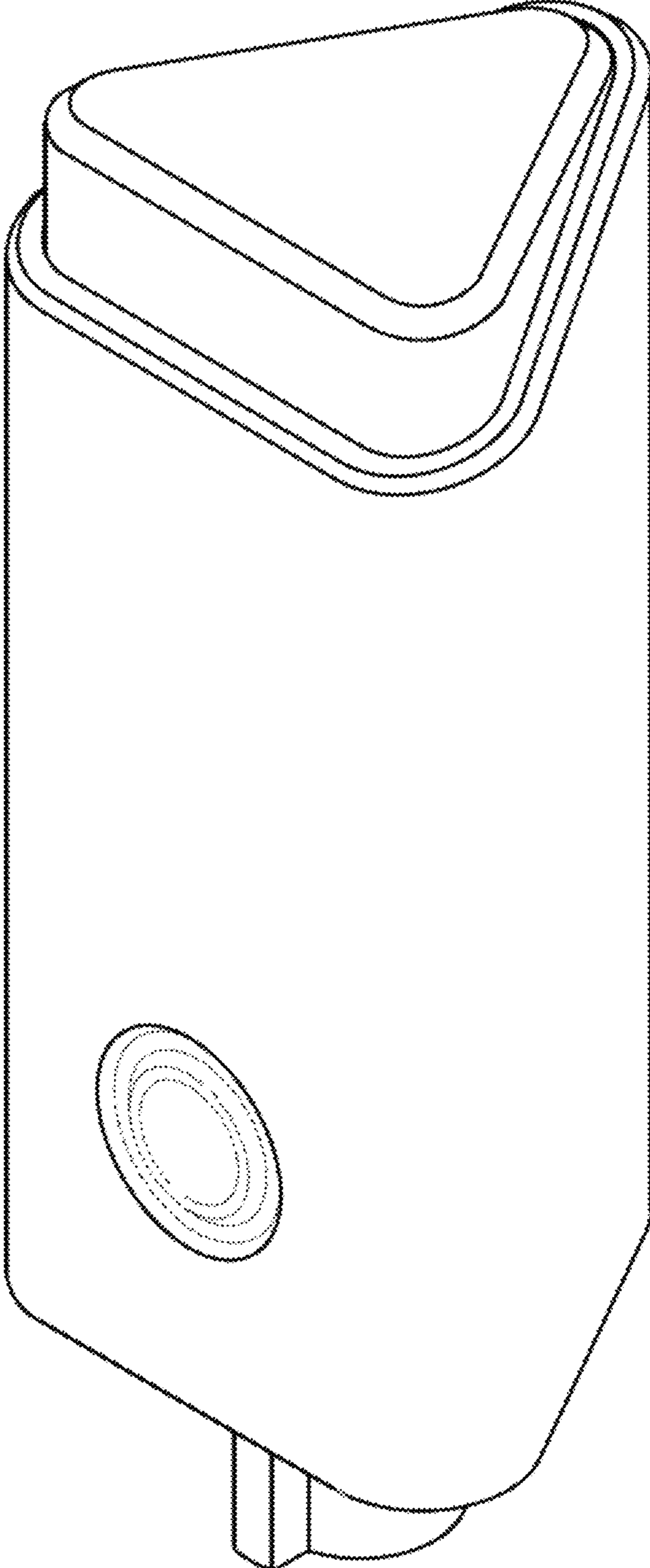


FIG. 1

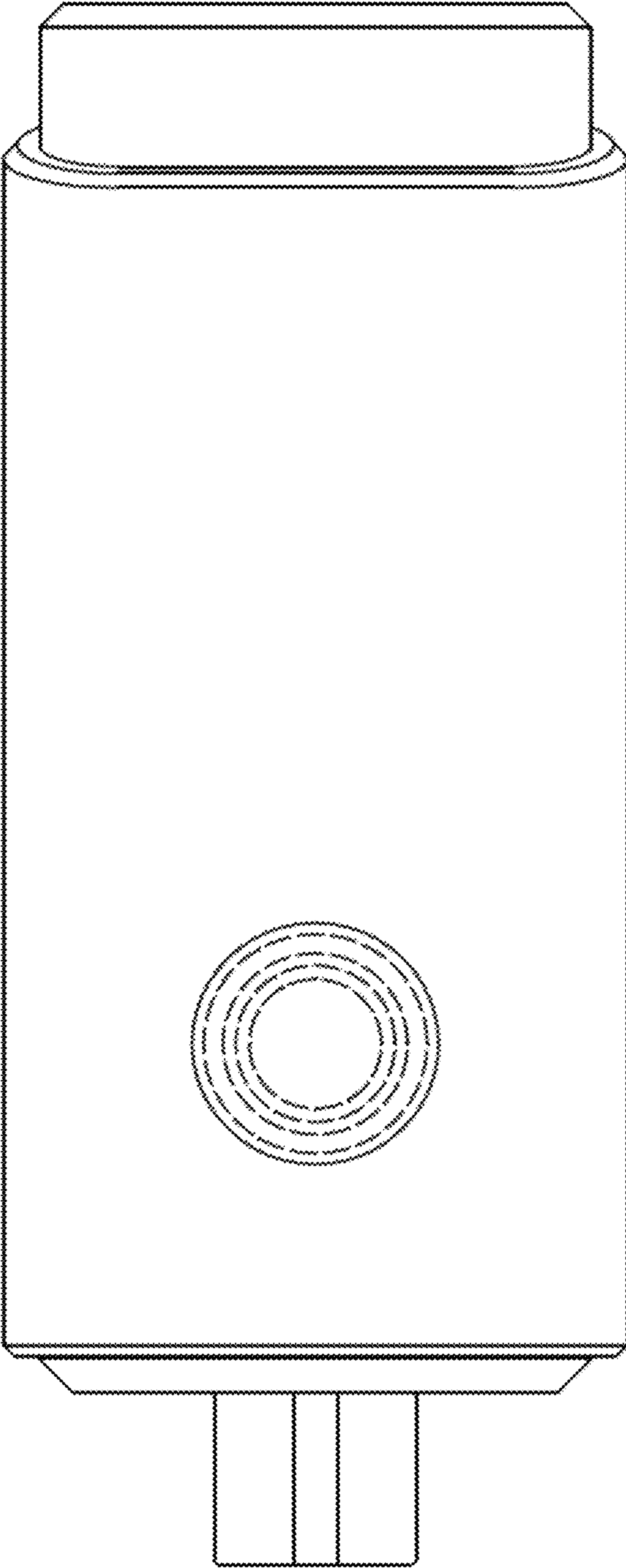


FIG. 2

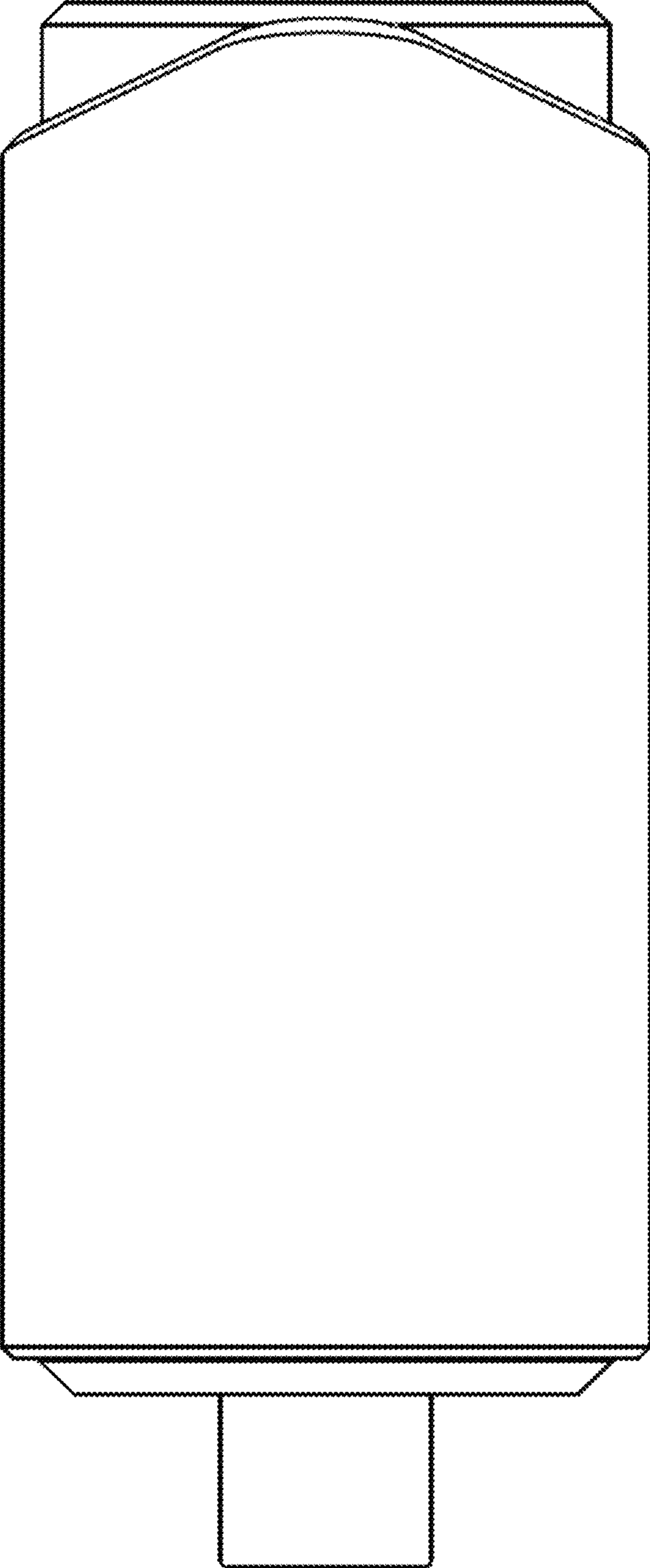


FIG. 3

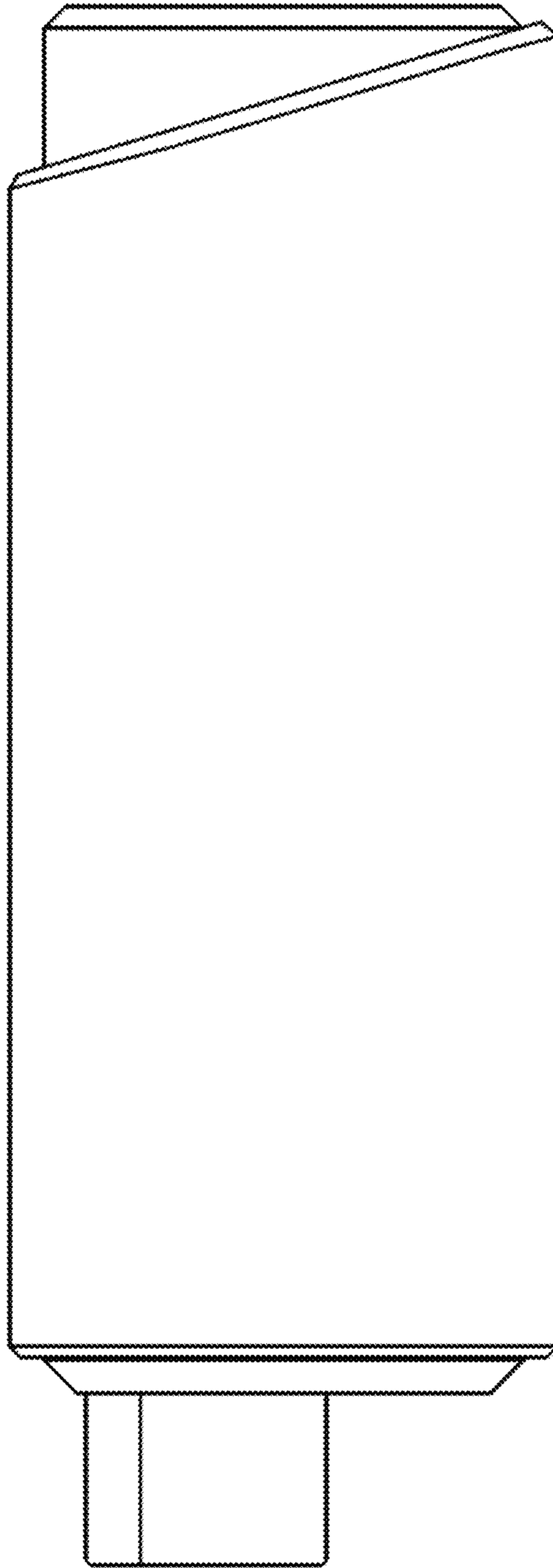


FIG. 4

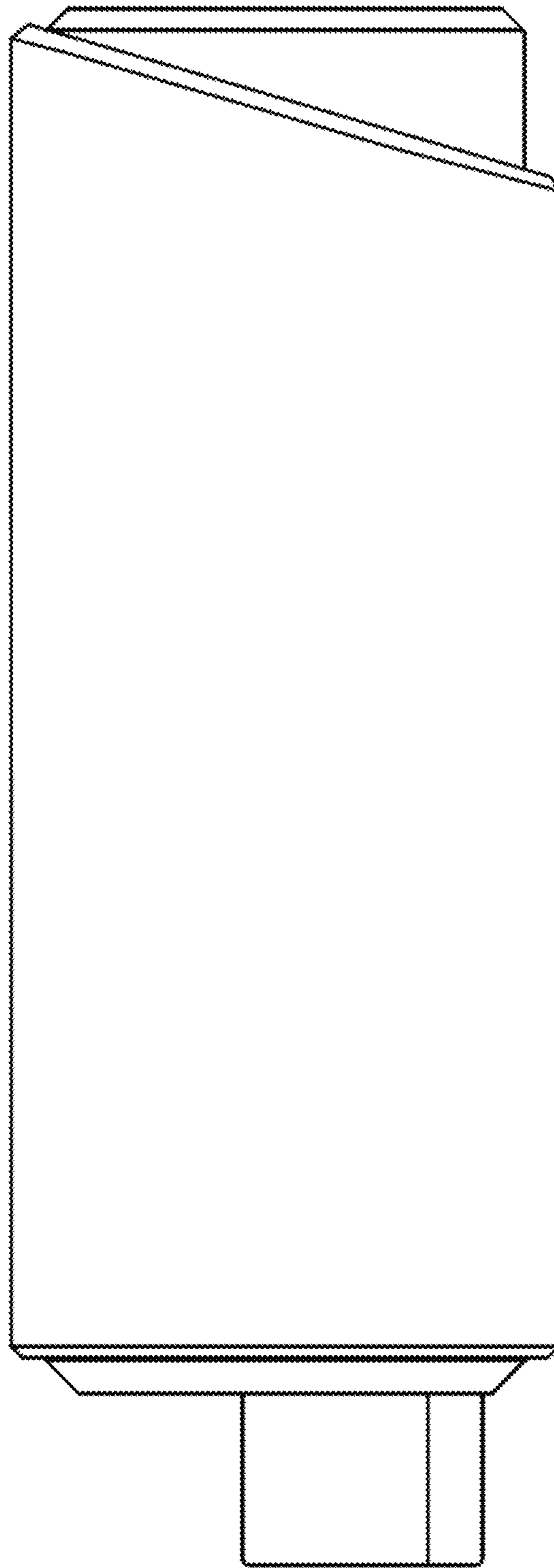


FIG. 5

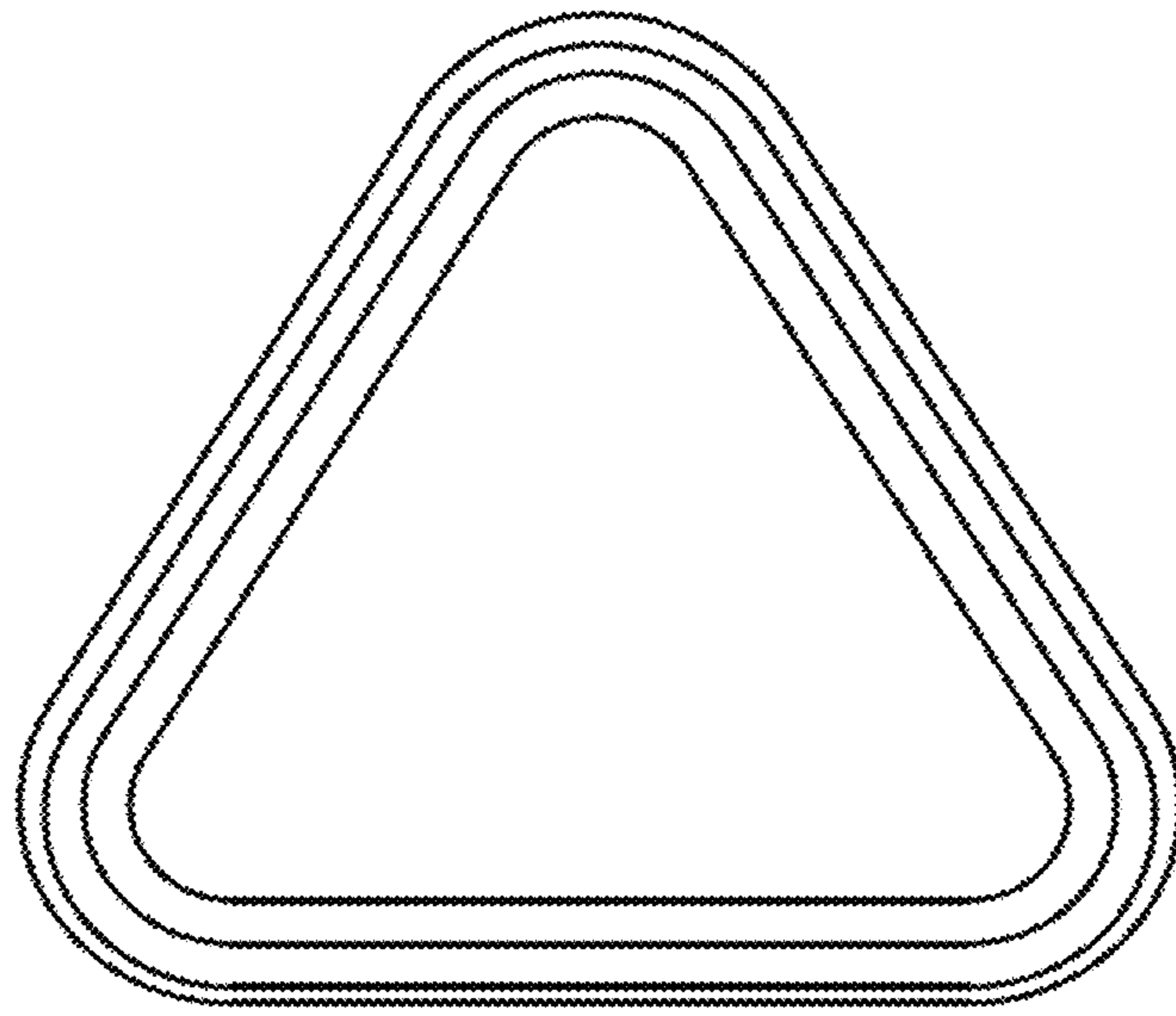


FIG. 6

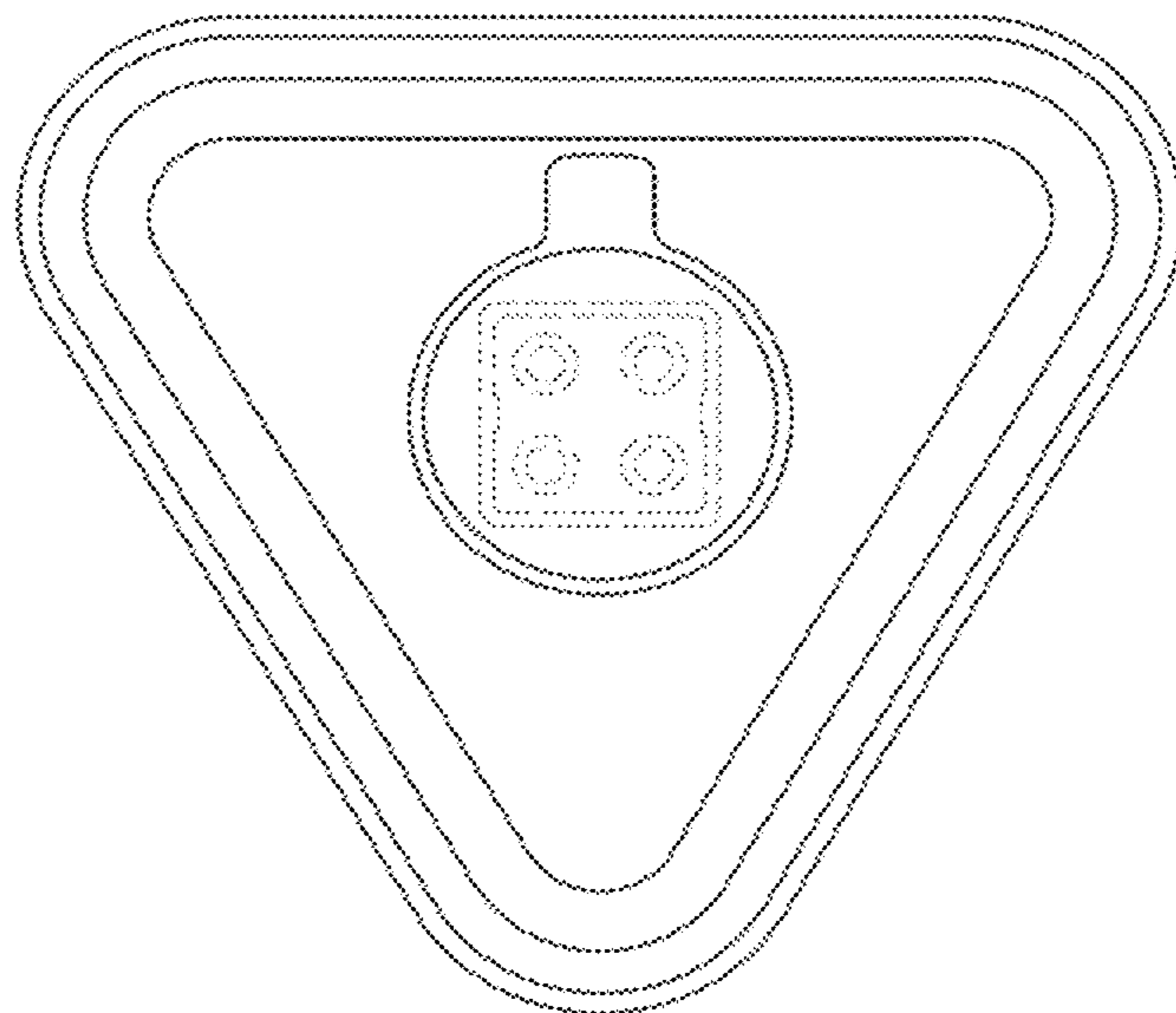


FIG. 7