



US00D823916S

(12) **United States Design Patent** (10) **Patent No.:** **US D823,916 S**
Lee et al. (45) **Date of Patent:** **** Jul. 24, 2018**

(54) **OIL INJECTION APPARATUS**

(71) Applicant: **KLT CO., LTD.**, Paju-si, Gyeonggi-do (KR)

(72) Inventors: **Seung Heon Lee**, Suwon-si (KR); **Deok Beum Lee**, Seoul (KR); **Sung Hyun Cho**, Goyang-si (KR)

(73) Assignee: **KLT Co., Ltd.** (KR)

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

(21) Appl. No.: **29/605,028**

(22) Filed: **May 23, 2017**

(51) **LOC (11) Cl.** **15-09**

(52) **U.S. Cl.**
 USPC **D15/150**

(58) **Field of Classification Search**
 USPC D15/150, 151, 152
 CPC B01F 15/026; B01F 15/0243; B01F 15/0479; B01F 15/00123; B01F 15/00142; B29B 7/94; F16N 11/00; F16N 2210/12

See application file for complete search history.

D752,123 S * 3/2016 Liao D15/150
 9,815,038 B2 * 11/2017 Leach B01F 15/026
 2003/0221912 A1 * 12/2003 Pan F16N 11/00
 184/109
 2010/0185322 A1 * 7/2010 Bylsma A61M 5/1413
 700/239
 2010/0213217 A1 * 8/2010 Strong B05C 17/015
 222/327
 2010/0300181 A1 * 12/2010 Zech B01F 13/1058
 73/54.01
 2011/0158738 A1 * 6/2011 Bainbridge B05C 17/00516
 401/206
 2012/0171049 A1 * 7/2012 Paluncic F01M 5/001
 417/32
 2013/0045523 A1 * 2/2013 Leach B01F 13/0023
 435/214
 2013/0140044 A1 * 6/2013 Carrerot A62C 13/22
 169/7
 2014/0190772 A1 * 7/2014 Noordover F16N 11/04
 184/14

(Continued)

Primary Examiner — Patricia A Palasik
 (74) *Attorney, Agent, or Firm* — Park & Associates IP Law, P.C.

(57) **CLAIM**

The ornamental design for an oil injection apparatus, as shown and described.

(56) **References Cited**

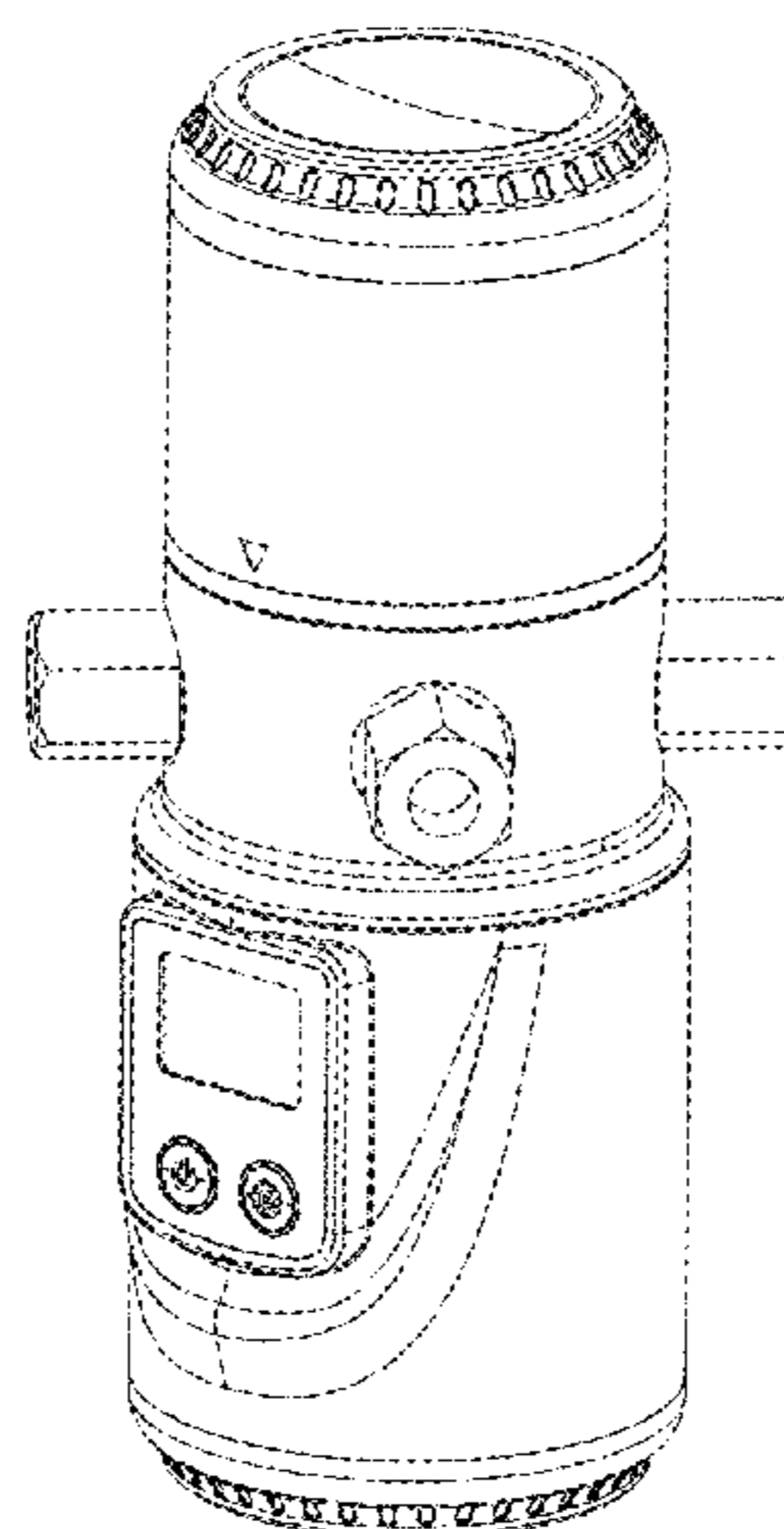
U.S. PATENT DOCUMENTS

982,661 A * 1/1911 Dickens B65D 83/0005
 184/105.2
 1,788,288 A * 1/1931 Frey F02M 57/02
 123/457
 3,231,149 A * 1/1966 Yuza A23G 3/28
 137/853
 4,567,784 A * 2/1986 Hambric F16H 1/22
 184/13.1
 5,676,461 A * 10/1997 Edwards B01F 15/00142
 366/152.2
 5,706,873 A * 1/1998 Benoit F16N 31/002
 137/513.7
 D396,868 S * 8/1998 Pingel D15/151
 D429,264 S * 8/2000 Lindstrand D15/150

DESCRIPTION

FIG. 1 is a perspective view of an oil injection apparatus in accordance with the new design;
 FIG. 2 is a front elevational view thereof;
 FIG. 3 is a rear elevational view thereof;
 FIG. 4 is a left side elevational view thereof;
 FIG. 5 is a right side elevational view thereof;
 FIG. 6 is a top plan view thereof; and,
 FIG. 7 is a bottom plan view thereof.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2014/0367409 A1* 12/2014 Digregorio B65D 83/0005
222/389
2015/0128873 A1* 5/2015 Prescott A61M 5/2066
119/665
2015/0144655 A1* 5/2015 Li F04B 1/29
222/32
2015/0192246 A1* 7/2015 Patel F16N 11/00
184/14
2016/0074819 A1* 3/2016 Boticki D06F 39/02
366/152.2
2016/0310918 A1* 10/2016 Baldus B01F 13/045

* cited by examiner

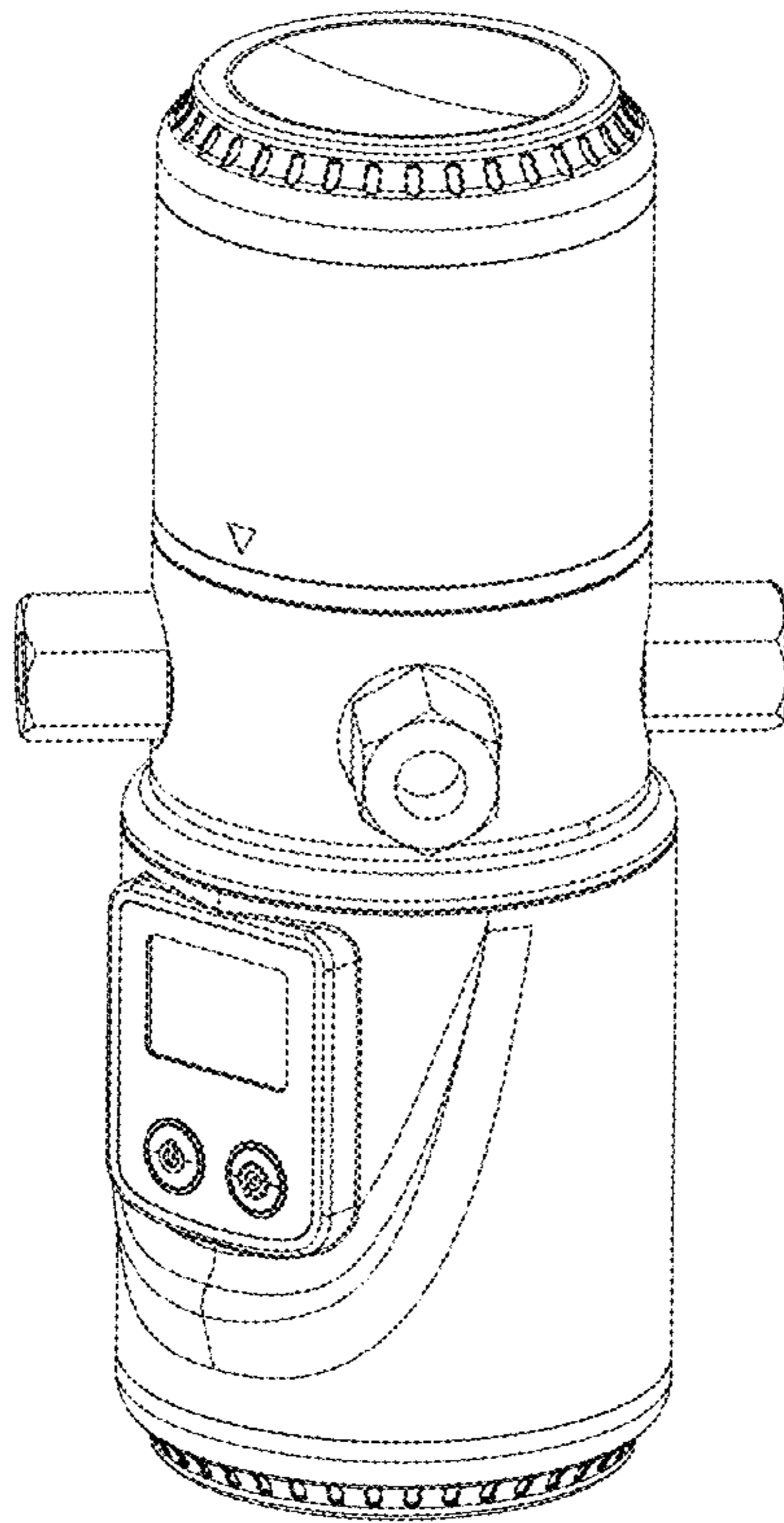


FIG. 1

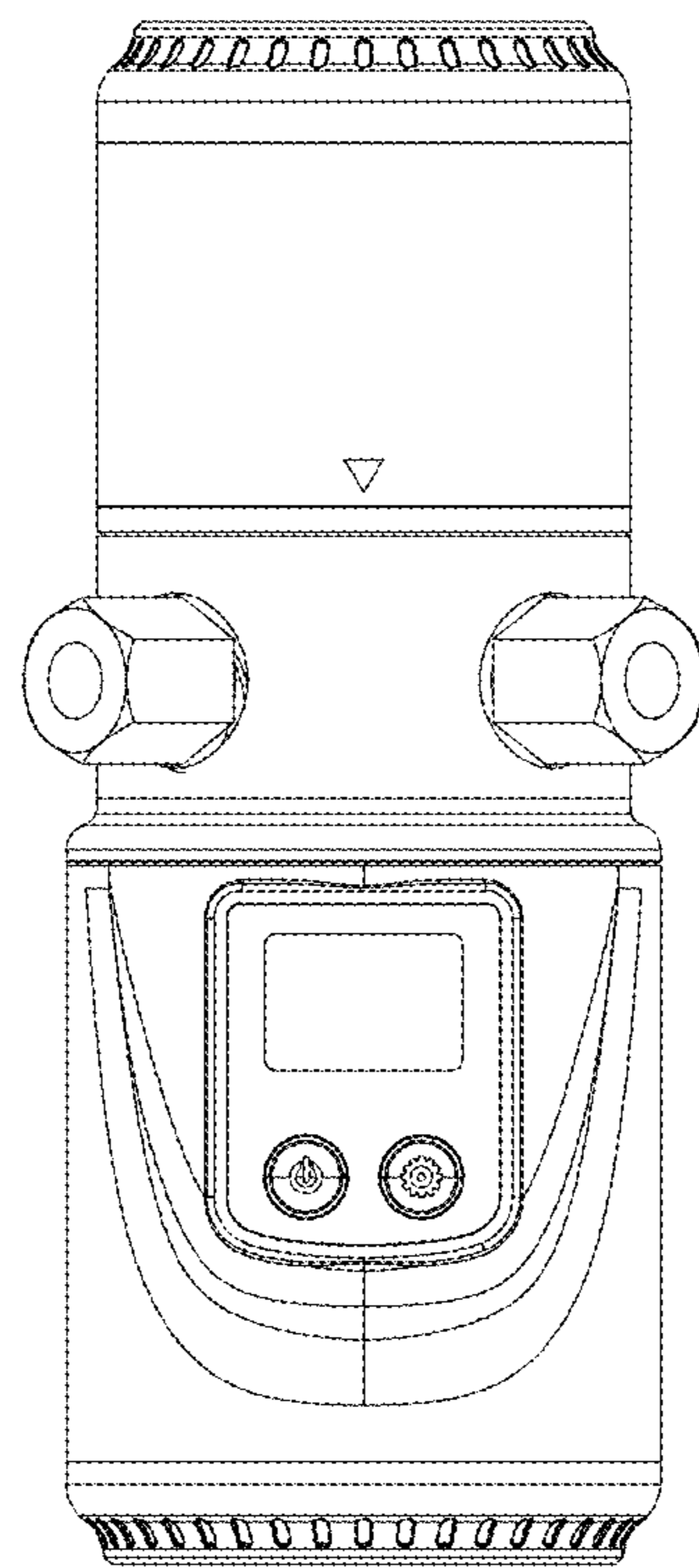


FIG. 2

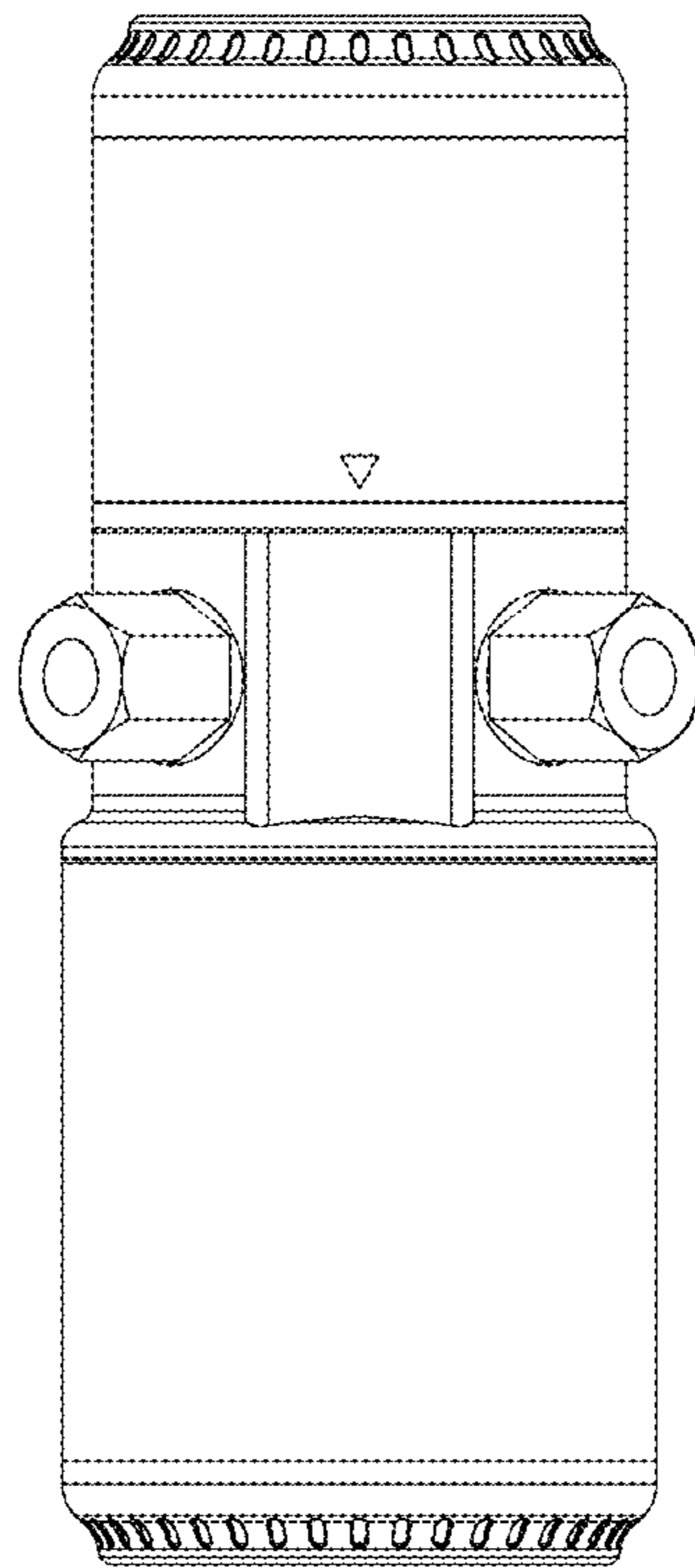


FIG. 3

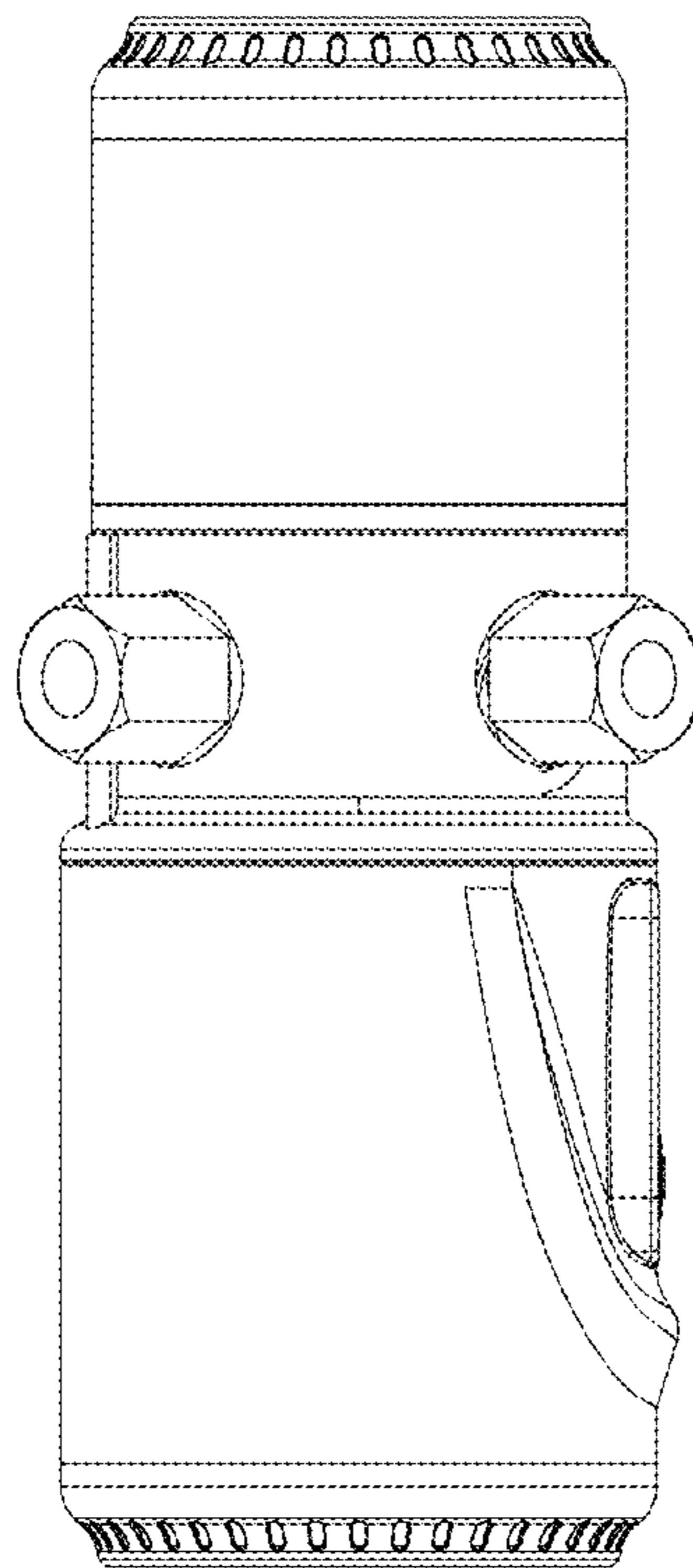


FIG. 4

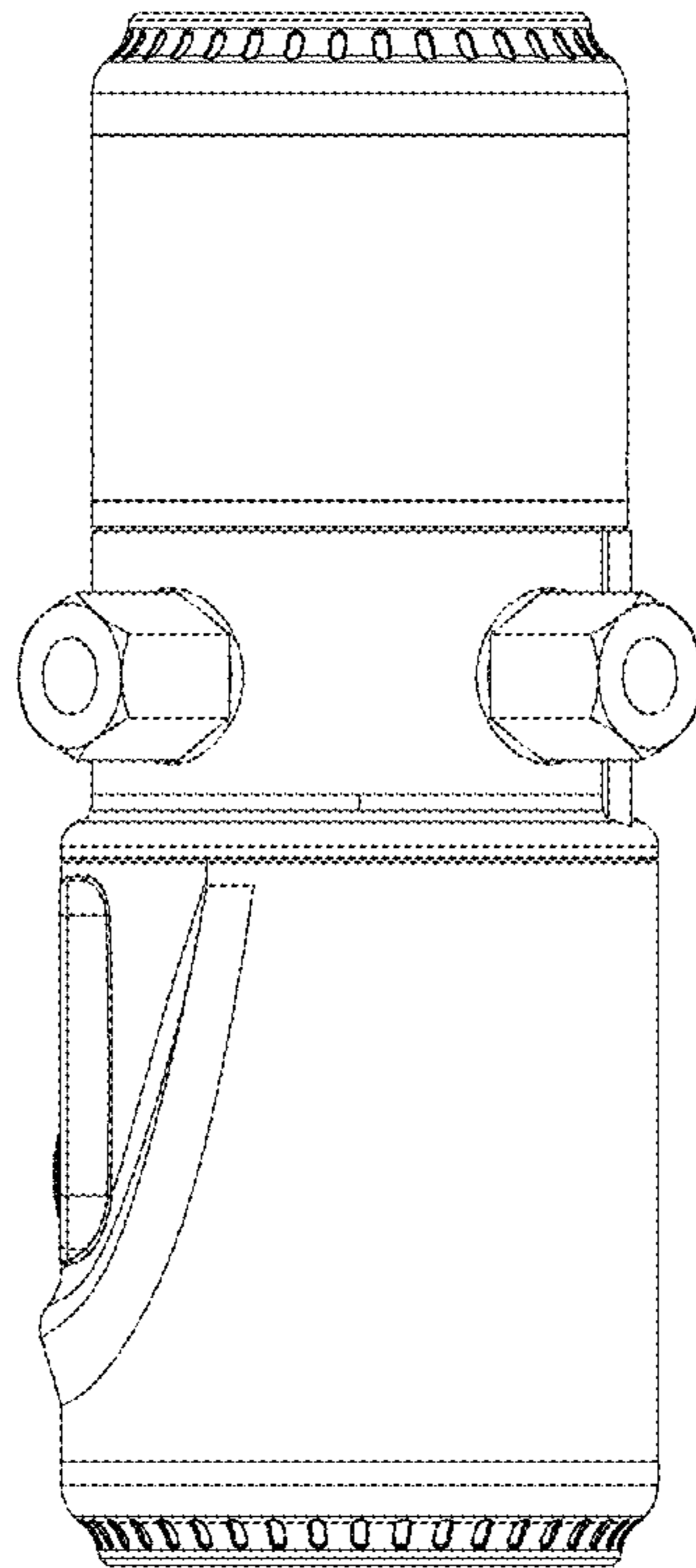


FIG. 5

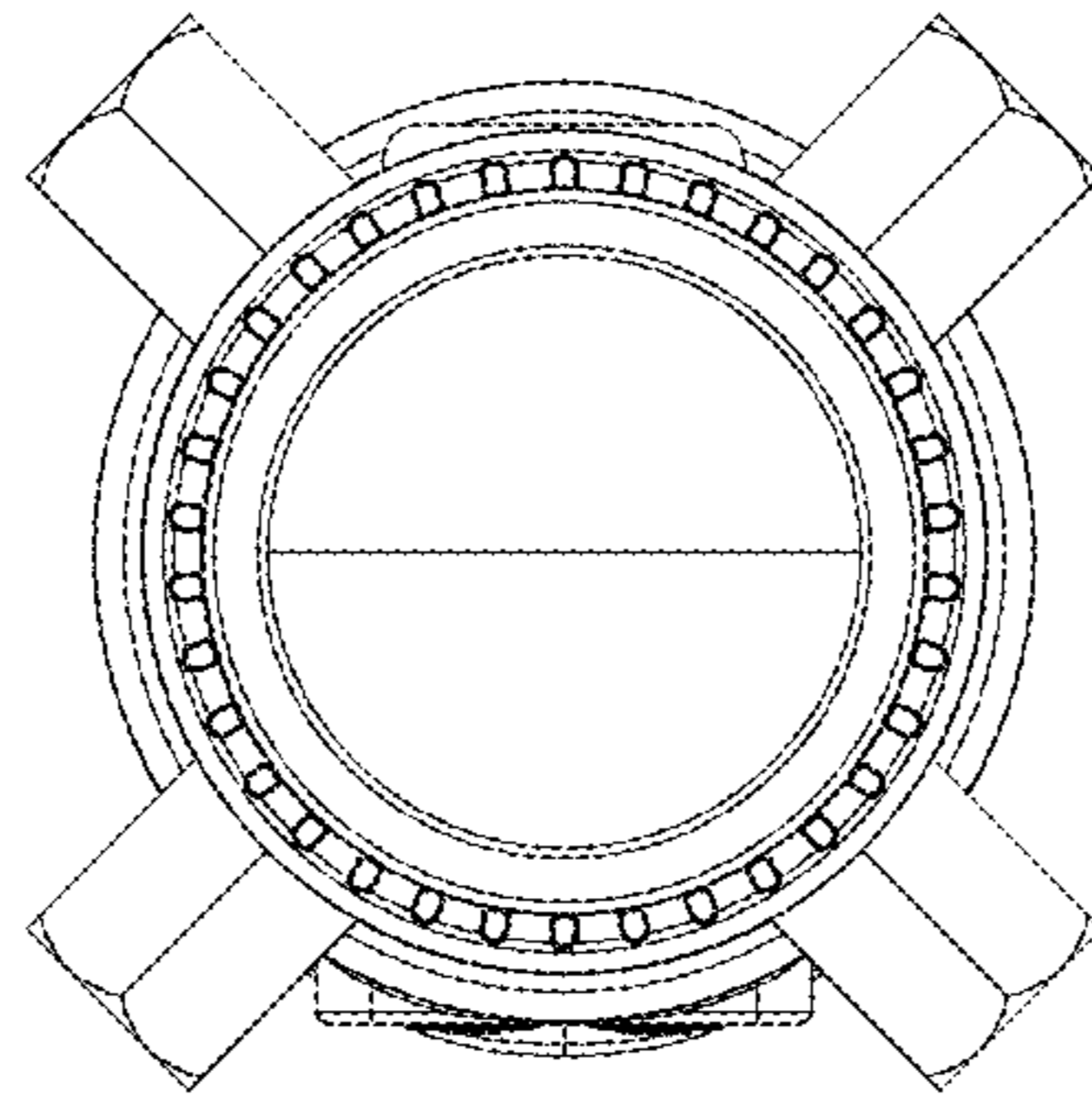


FIG. 6

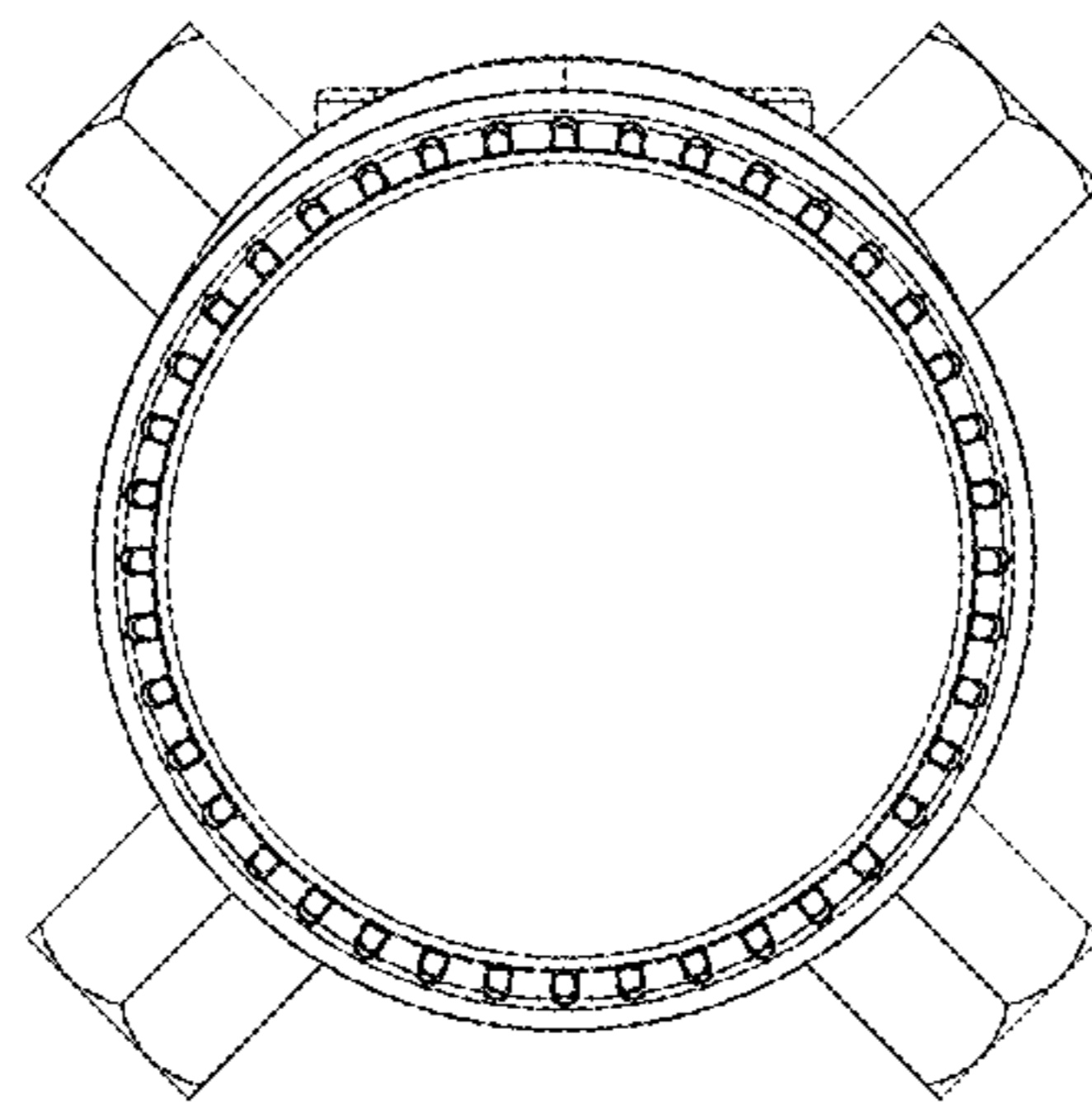


FIG. 7