



US00D948457S

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

(10) **Patent No.:** **US D948,457 S**

(45) **Date of Patent:** **\*\* Apr. 12, 2022**

- (54) **EXPLOSION-PROOF JUNCTION BOX**
- (71) Applicant: **Xiaoyun Zeng**, Dongguan (CN)
- (72) Inventor: **Xiaoyun Zeng**, Dongguan (CN)
- (73) Assignee: **DONGGUAN PAN AMERICAN ELECTRONICS CO., LTD**, Dongguan (CN)

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

(21) Appl. No.: **29/720,791**

(22) Filed: **Jan. 16, 2020**

(51) **LOC (13) Cl.** ..... **13-02**

(52) **U.S. Cl.**  
USPC ..... **D13/155**

(58) **Field of Classification Search**  
USPC ..... D13/110, 123, 133, 137.1, 139.1, 139.4,  
D13/152, 154, 155, 156, 158, 162, 164,  
D13/173, 177, 184; D8/354, 349, 356;  
D25/133  
CPC ..... H02G 3/32; H02G 3/0437; G02B 6/3897  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 3,020,332 A \* 2/1962 Appleton ..... H02G 3/06  
174/72 R
- 3,236,934 A \* 2/1966 Revelle ..... H02G 15/10  
174/22 R

- D465,012 S \* 10/2002 Tauzer ..... D23/213
- 6,838,615 B2 \* 1/2005 Pyron ..... H02G 1/08  
174/481
- D591,587 S \* 5/2009 Mason ..... D8/354
- D737,783 S \* 9/2015 Smith ..... D13/155
- D864,123 S \* 10/2019 Swanson ..... D13/155
- D891,383 S \* 7/2020 Deshpande ..... D13/184
- D913,960 S \* 3/2021 Voelzke ..... D13/155
- D915,300 S \* 4/2021 Holton ..... D13/155
- 2006/0207783 A1 \* 9/2006 Lammens, Jr. .... H02G 15/08  
174/58
- 2016/0254657 A1 \* 9/2016 Hoppe ..... H01F 27/04  
174/360

\* cited by examiner

*Primary Examiner* — Jennifer O King

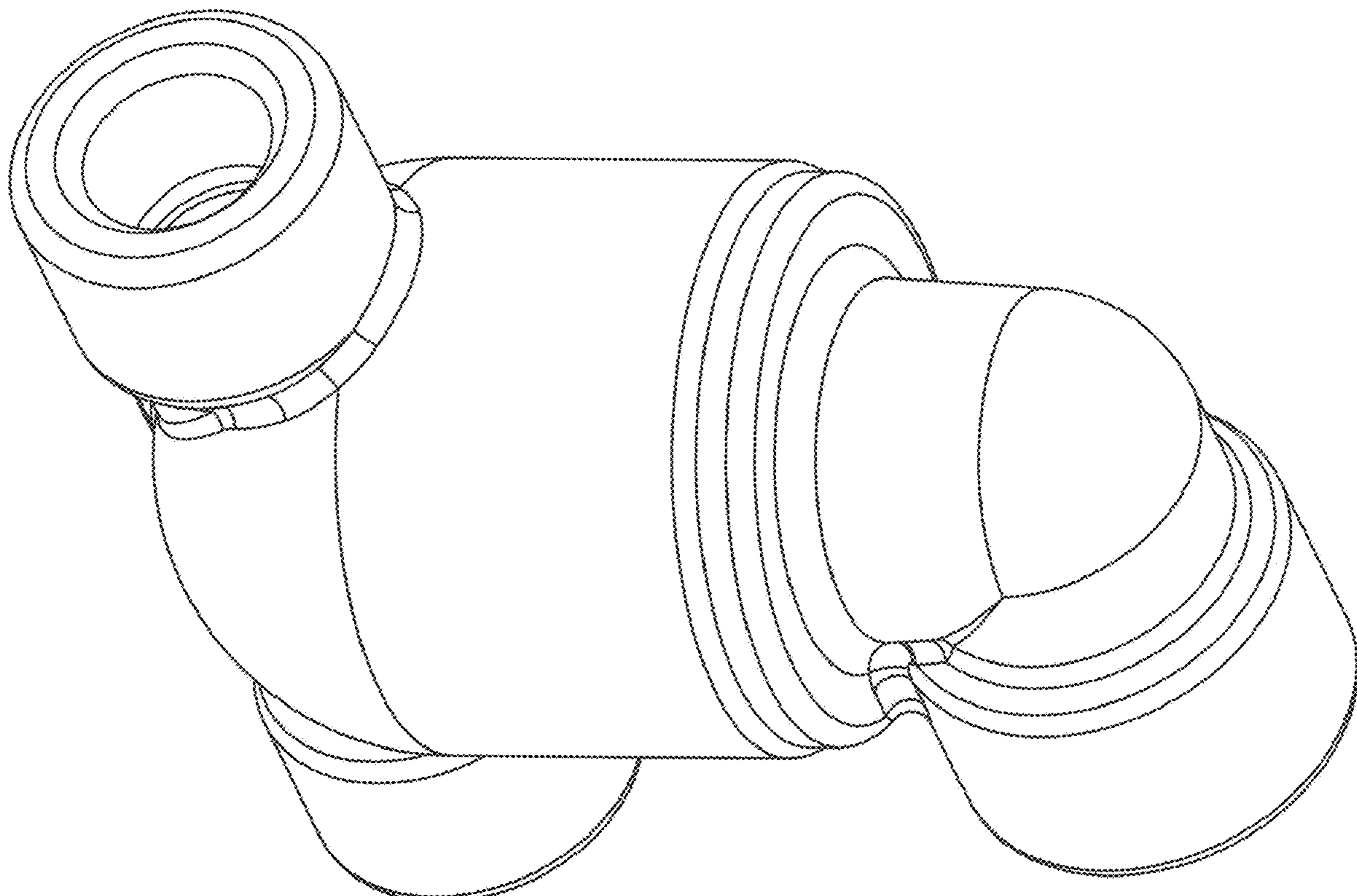
(57) **CLAIM**

The ornamental design for an explosion-proof junction box, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a first embodiment an explosion-proof junction box showing my new design; FIG. 2 is a front elevation view thereof; FIG. 3 is a rear elevation view thereof; FIG. 4 is a left side elevation view thereof; FIG. 5 is a right side elevation view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view thereof.

**1 Claim, 7 Drawing Sheets**



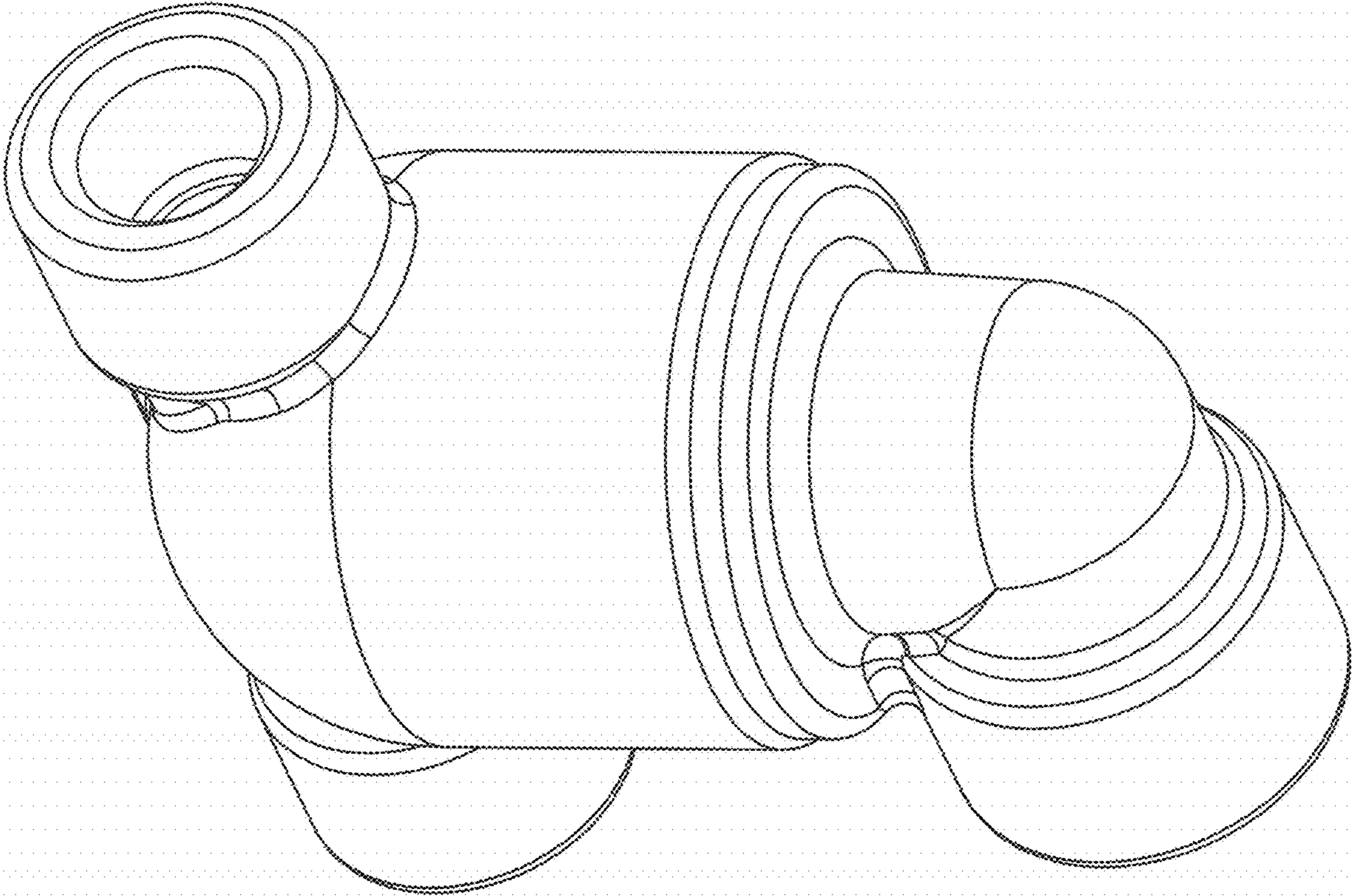


FIG. 1

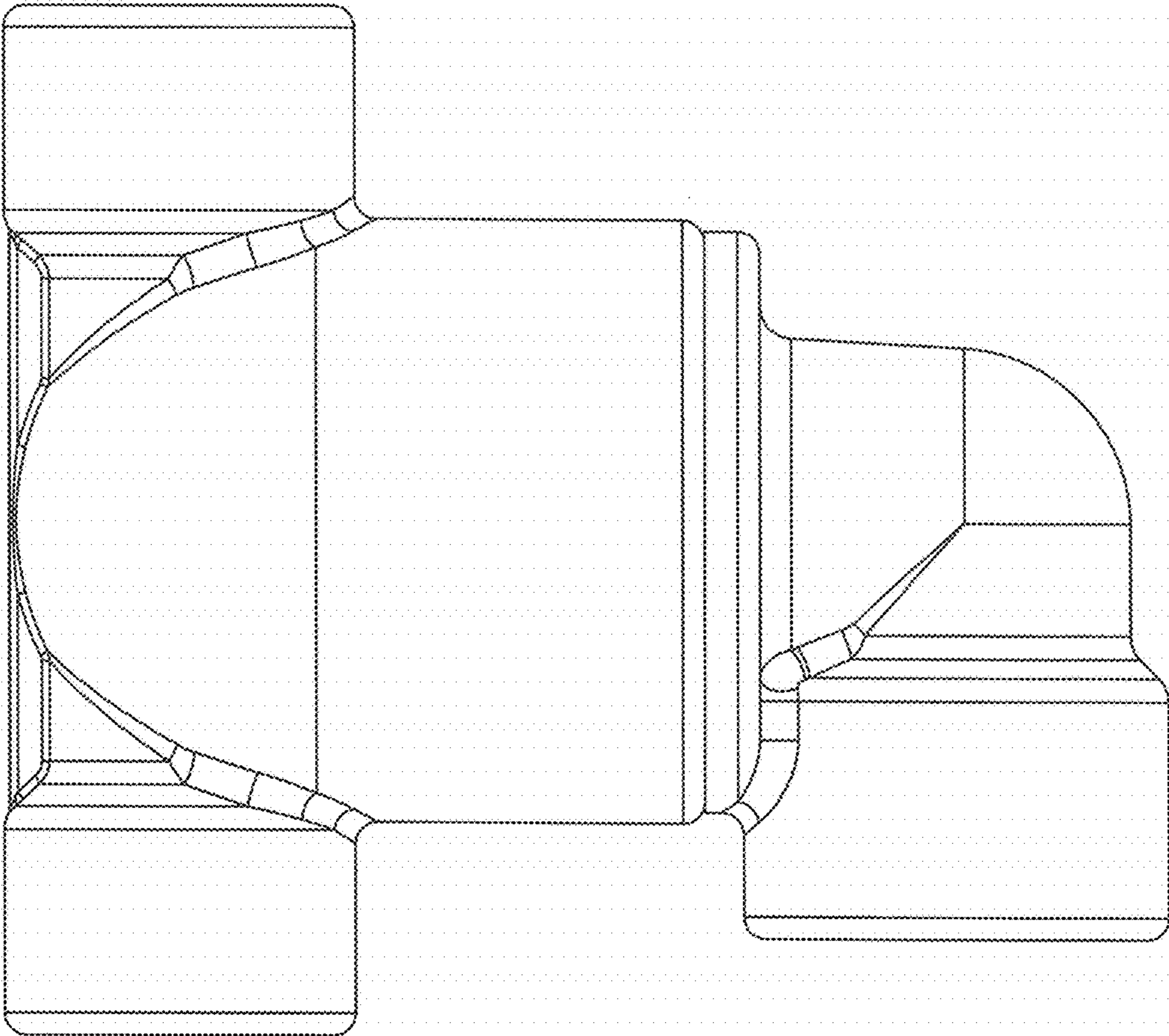


FIG. 2



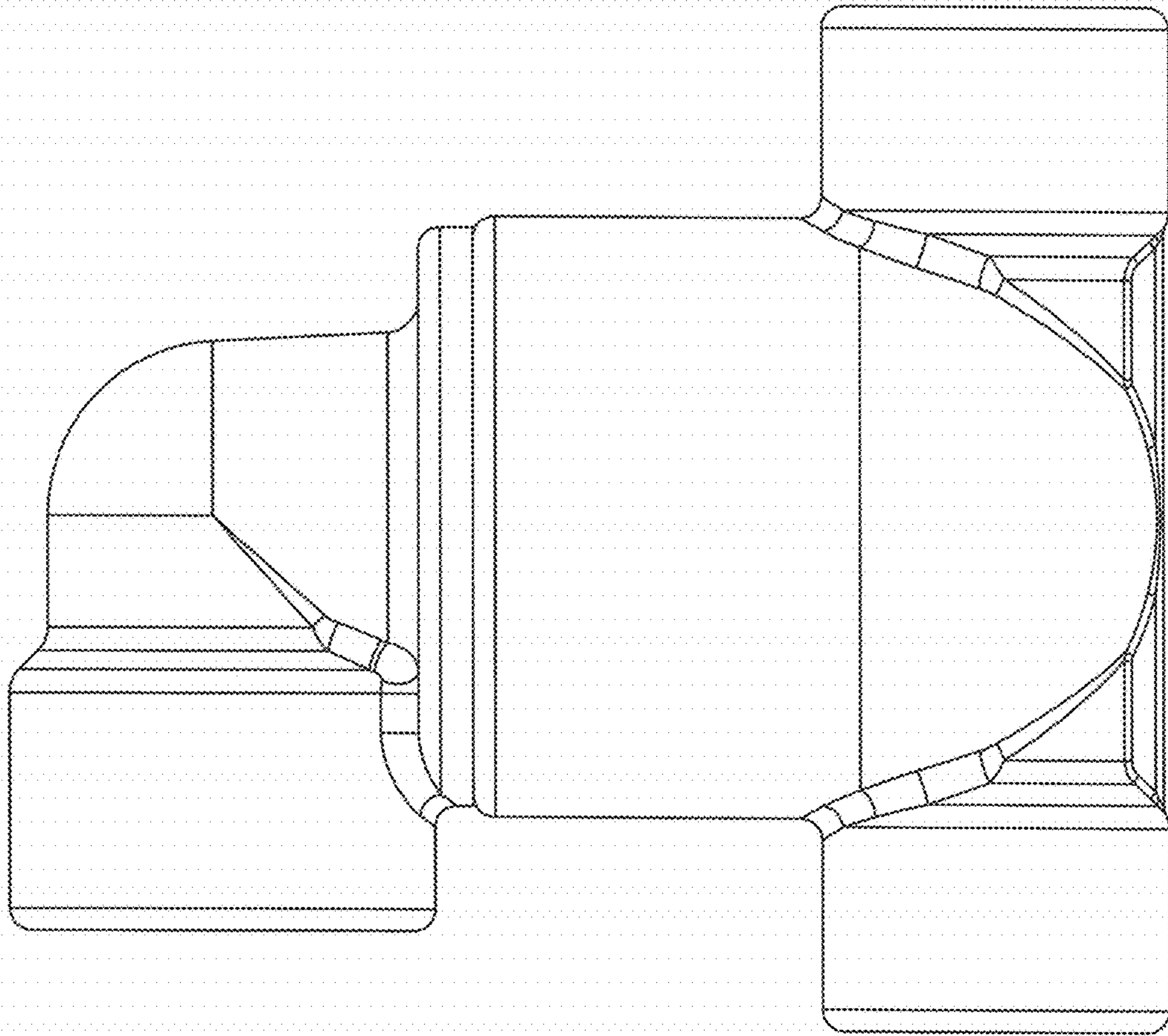


FIG. 3

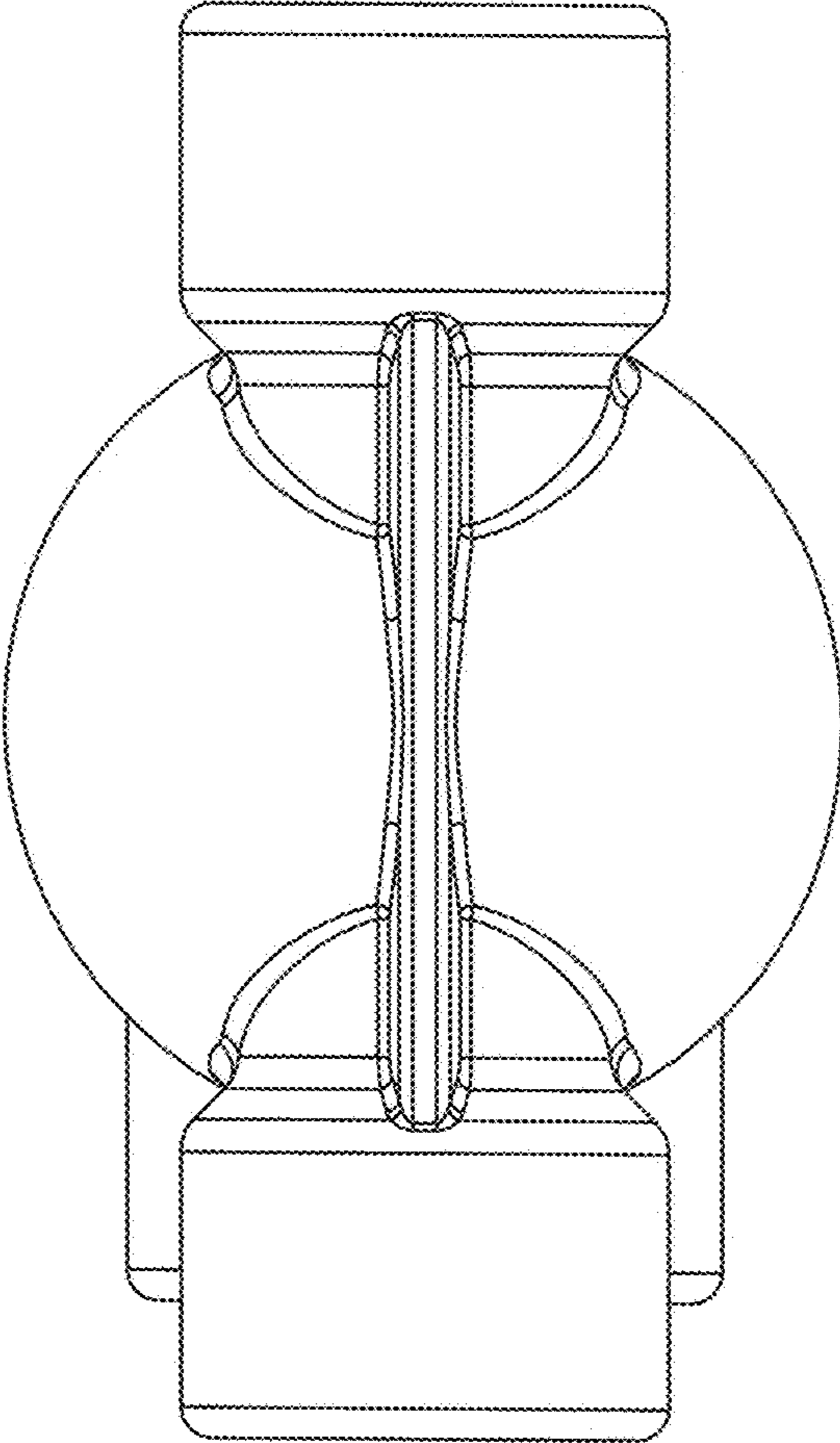


FIG. 4

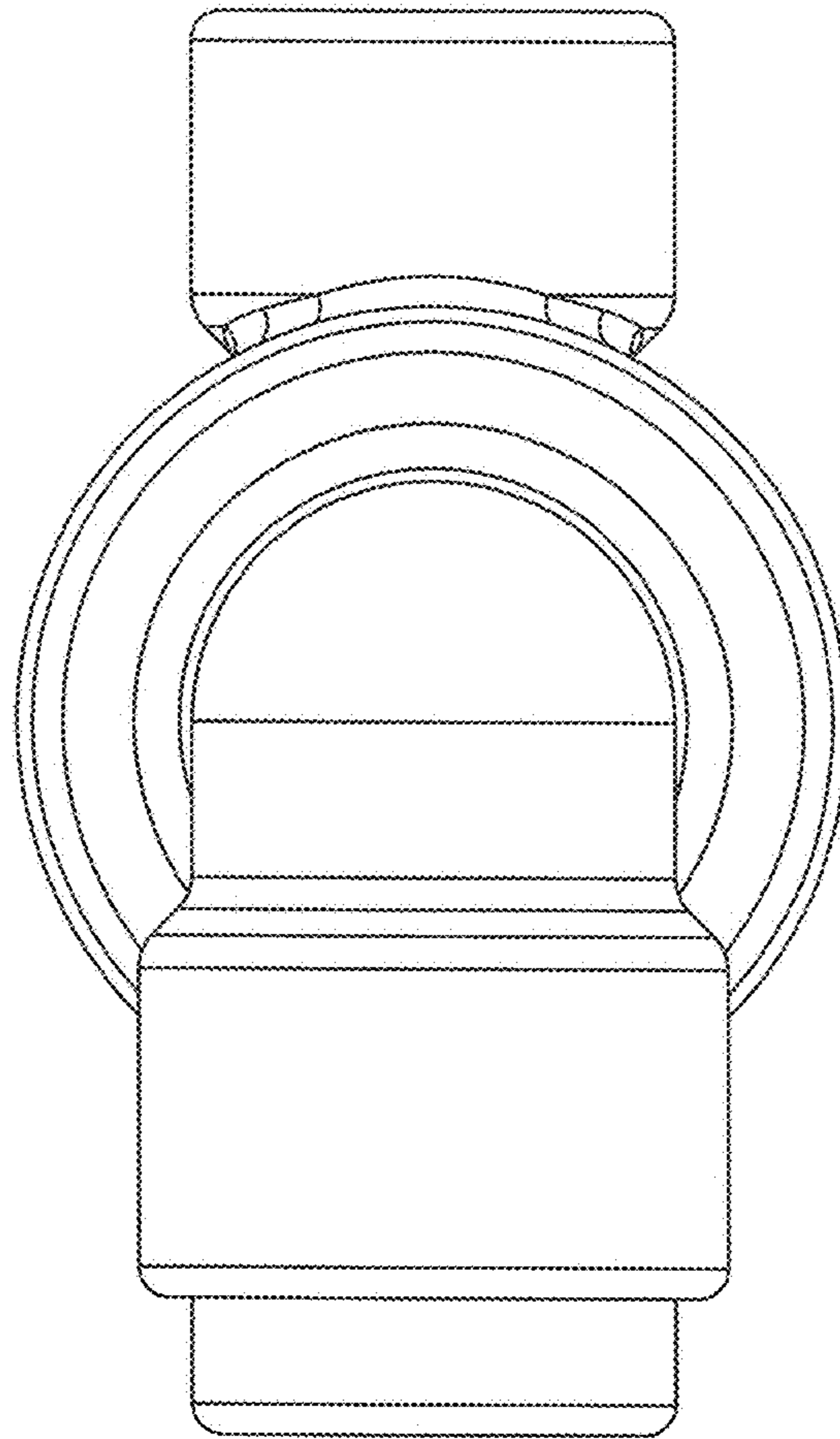


FIG. 5

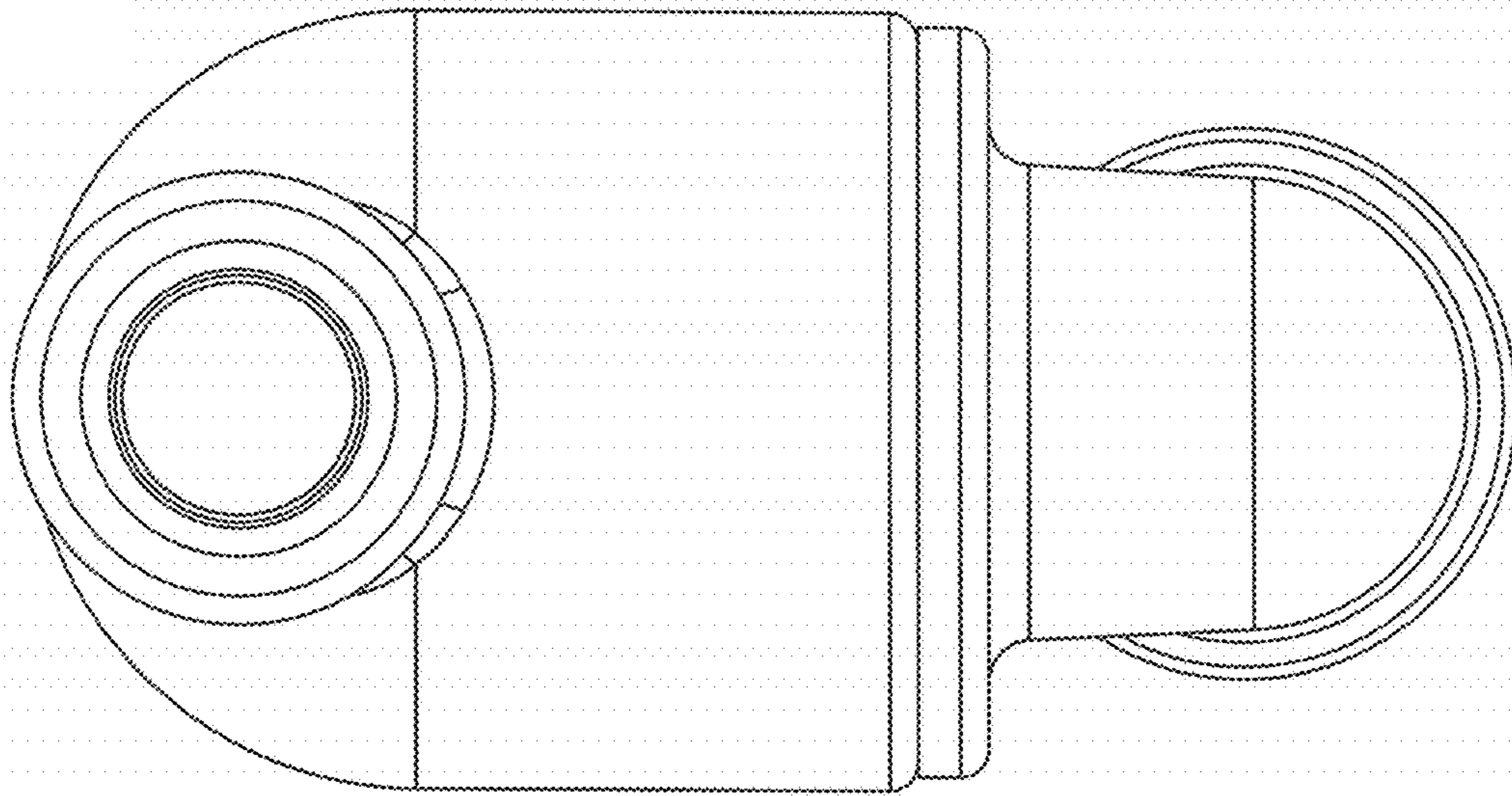


FIG. 6

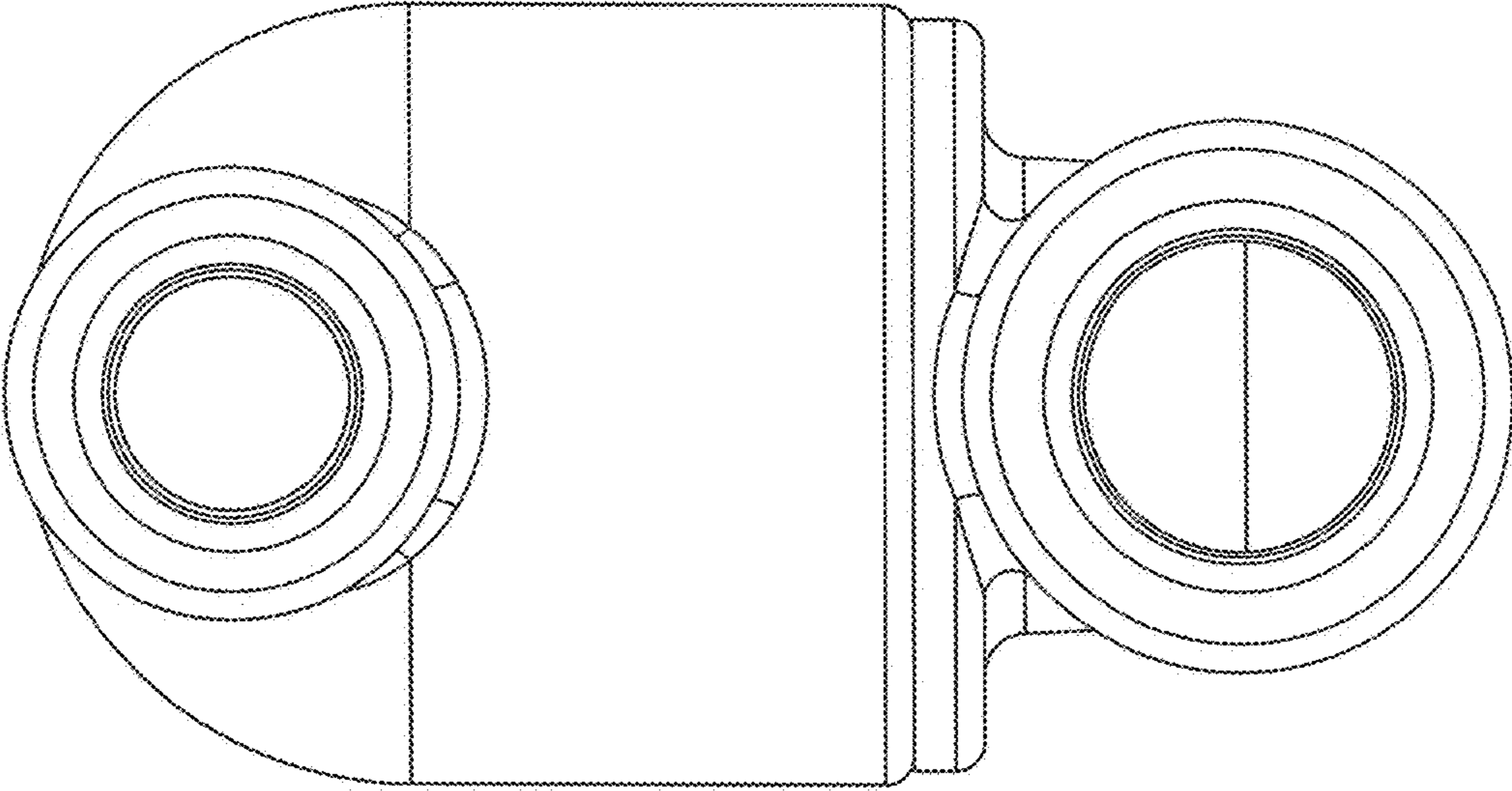


FIG. 7