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(12) **United States Design Patent** (10) **Patent No.:** **US D861,472 S**  
**Sillitoe et al.** (45) **Date of Patent:** **\*\* Oct. 1, 2019**

(54) **BIO-CLAMP** D318,123 S \* 7/1991 Yokoyama ..... D24/129  
5,359,866 A \* 11/1994 Boddy ..... F16B 2/10  
24/270  
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**White,** Falmouth Cornwall (GB) D431,650 S \* 10/2000 Guala ..... D24/129  
6,170,884 B1 \* 1/2001 McLennan ..... F16L 17/04  
285/112  
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(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/675,978**  
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FOREIGN PATENT DOCUMENTS

CN 301238237 5/2010  
CN 301243621 6/2010  
(Continued)

OTHER PUBLICATIONS

Taiwanese Notice of Allowance for Design Application S.N. 106305496  
dated Apr. 11, 2018.  
(Continued)

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**Foreign Application Priority Data**

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(51) **LOC (12) Cl.** ..... **08-08**  
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(58) **Field of Classification Search**  
USPC ..... D8/349, 354, 382, 394, 395, 396  
CPC . F16L 17/00; F16L 17/04; F16L 21/06; F16L  
21/08; F16L 23/00; F16L 23/08; F16L  
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See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a bio-clamp, as shown and described.

**DESCRIPTION**

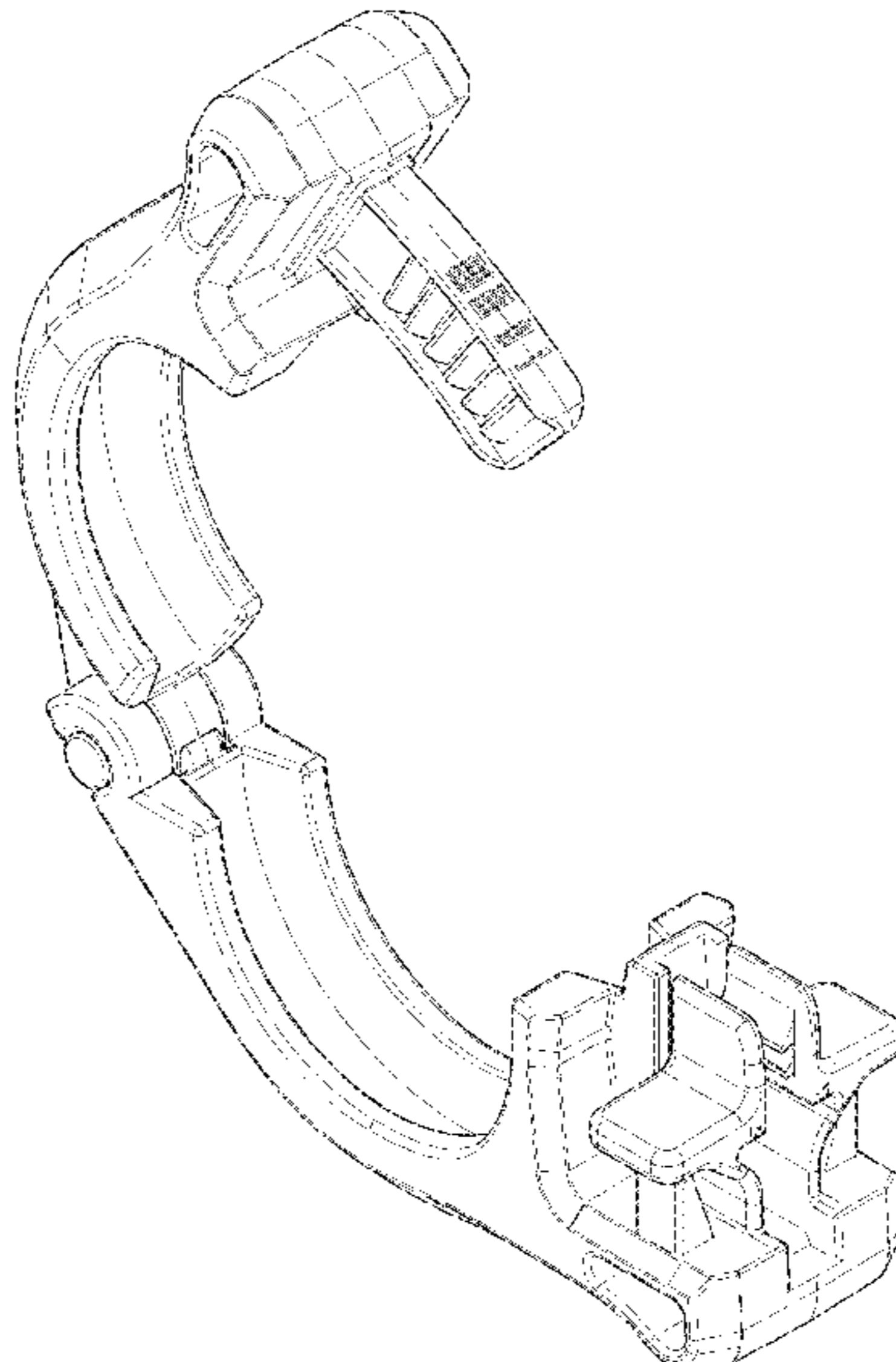
FIG. 1 is a front, left side, perspective view of a bio-clamp showing our new design;  
FIG. 2 is a left side view thereof;  
FIG. 3 is a right side view thereof;  
FIG. 4 is a top view thereof;  
FIG. 5 is a bottom view thereof;  
FIG. 6 is a front elevation view thereof; and,  
FIG. 7 is a rear elevation view thereof.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,186,947 A \* 2/1980 Nixon ..... F16L 17/04  
285/112  
D309,094 S \* 7/1990 Donis ..... D23/265

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

6,227,577 B1 \* 5/2001 Ikeda ..... F16L 17/04  
285/112  
6,742,223 B1 \* 6/2004 Chang ..... F16L 3/23  
24/130  
D494,847 S \* 8/2004 Maniezzo ..... D8/382  
D570,458 S \* 6/2008 Gibb ..... D23/262  
D574,228 S \* 8/2008 Johansson ..... D8/396  
D577,423 S \* 9/2008 Dole ..... D23/265  
D583,444 S \* 12/2008 Nagle ..... D23/262  
D583,916 S \* 12/2008 Madara ..... D23/265  
D584,604 S \* 1/2009 Baldwin ..... D8/396  
D587,349 S \* 2/2009 Madara ..... D23/265  
D595,814 S \* 7/2009 Pierce ..... D23/262  
D597,635 S \* 8/2009 Dole ..... D23/262  
D598,076 S \* 8/2009 Dole ..... D23/262  
D598,077 S \* 8/2009 Gibb ..... D23/265  
D600,325 S \* 9/2009 Porter ..... D23/262  
D600,326 S \* 9/2009 Gibb ..... D23/265  
D602,127 S \* 10/2009 Shah ..... D23/262  
D608,868 S \* 1/2010 Porter ..... D23/262  
D608,869 S \* 1/2010 Porter ..... D23/262  
D608,872 S \* 1/2010 Porter ..... D23/262  
D609,312 S \* 2/2010 Porter ..... D23/262  
D616,532 S \* 5/2010 Madara ..... D23/262  
D618,312 S \* 6/2010 Madara ..... D23/262  
D618,314 S \* 6/2010 Bowman ..... D23/262  
D621,917 S \* 8/2010 Madara ..... D23/262  
D625,785 S \* 10/2010 Madara ..... D23/262  
D625,786 S \* 10/2010 Bowman ..... D23/262  
D626,202 S \* 10/2010 Porter ..... D23/262  
D629,072 S \* 12/2010 Madara ..... D23/262  
D629,074 S \* 12/2010 Shah ..... D23/262  
D629,076 S \* 12/2010 Madara ..... D23/262  
D629,078 S \* 12/2010 Dole ..... D23/262  
D629,080 S \* 12/2010 Dole ..... D23/262  
D629,082 S \* 12/2010 Dole ..... D23/262  
D629,083 S \* 12/2010 Dole ..... D23/262  
D629,496 S \* 12/2010 Madara ..... D23/262  
D649,641 S \* 11/2011 Guttulrud ..... D24/143

D674,059 S \* 1/2013 Cuvo ..... D23/262  
D674,063 S \* 1/2013 Wilk, Jr. .... D23/262  
D674,064 S \* 1/2013 Dole ..... D23/262  
D695,100 S \* 12/2013 Whitaker ..... D8/396  
D700,835 S \* 3/2014 Langlois ..... D8/396  
8,961,340 B2 \* 2/2015 Boatwright ..... A63B 60/28  
473/568  
D735,025 S \* 7/2015 Mathien ..... D8/396  
9,074,715 B2 \* 7/2015 Weger ..... F16L 55/02  
D749,835 S \* 2/2016 Whitaker ..... D3/10  
D763,673 S \* 8/2016 Moreau ..... D8/395  
D770,886 S \* 11/2016 Whitaker ..... D8/394  
9,518,667 B2 \* 12/2016 Ramos ..... F16K 7/063  
9,580,281 B2 \* 2/2017 Foley ..... B66C 1/44  
D790,308 S \* 6/2017 Larard ..... D8/72  
D798,139 S \* 9/2017 Giannatti ..... D8/394  
D807,137 S \* 1/2018 Whitaker ..... D8/72  
D807,161 S \* 1/2018 Whitaker ..... D8/394  
D813,025 S \* 3/2018 Yesavage ..... D8/395  
D813,657 S \* 3/2018 Bowman ..... D8/395  
D820,074 S \* 6/2018 Huettemann ..... D8/394  
D820,076 S \* 6/2018 Ramirez ..... D8/396  
10,074,913 B1 \* 9/2018 Bussey ..... H01R 4/2412

FOREIGN PATENT DOCUMENTS

CN	301247596	6/2010
CN	301391186	11/2010
CN	303223493	5/2015

OTHER PUBLICATIONS

Taiwanese Notice of Allowance for Design Application S.N. 106305495 dated Apr. 11, 2018.  
Taiwanese Notice of Allowance for Design Application S.N. 106305494 dated Apr. 11, 2018.  
Taiwanese Notice of Allowance for Design Application S.N. 106305499 dated Apr. 19, 2018.  
Taiwanese Notice of Allowance for Design Application S.N. 106305503 dated Apr. 11, 2018.

\* cited by examiner

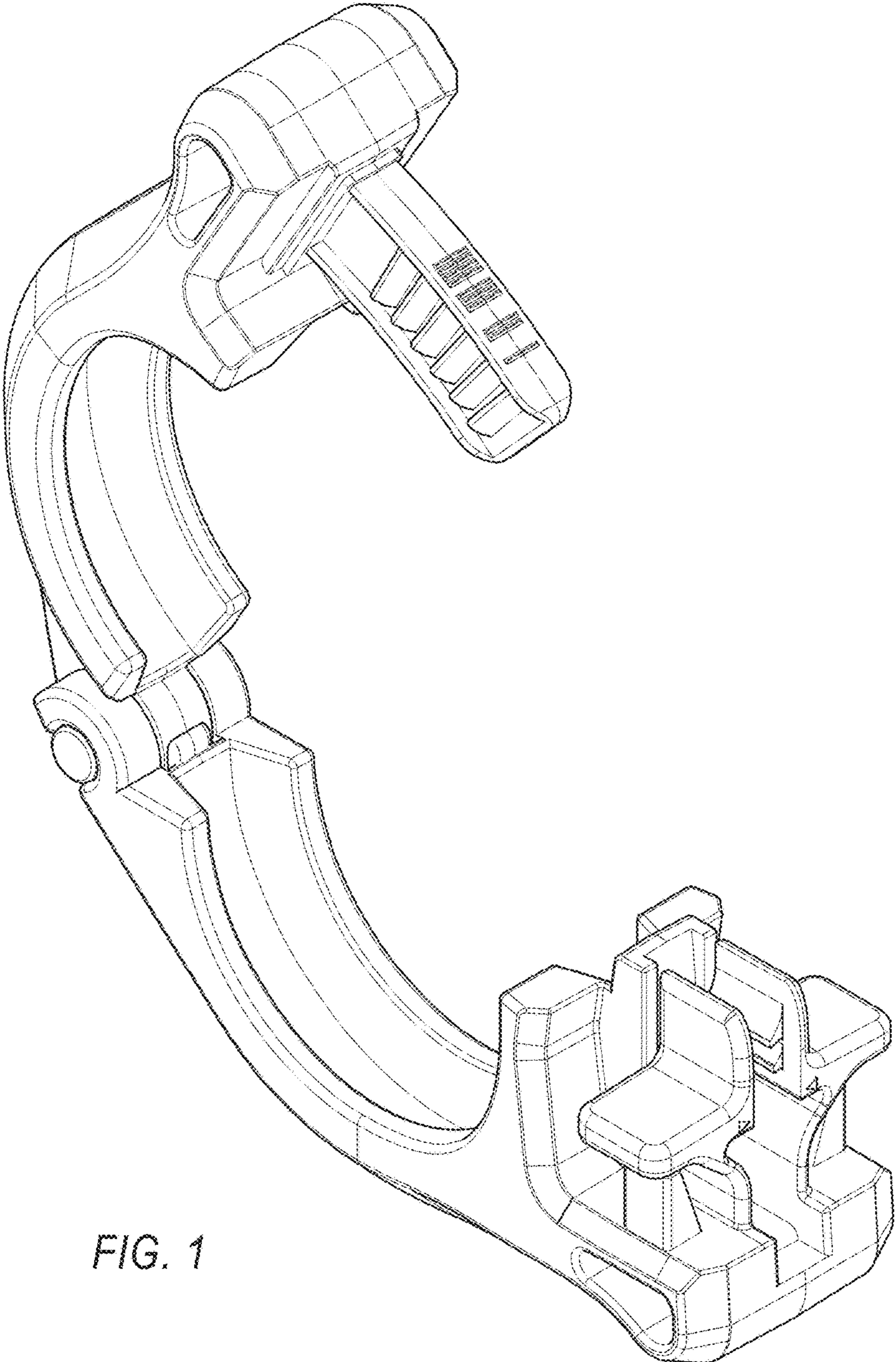


FIG. 1



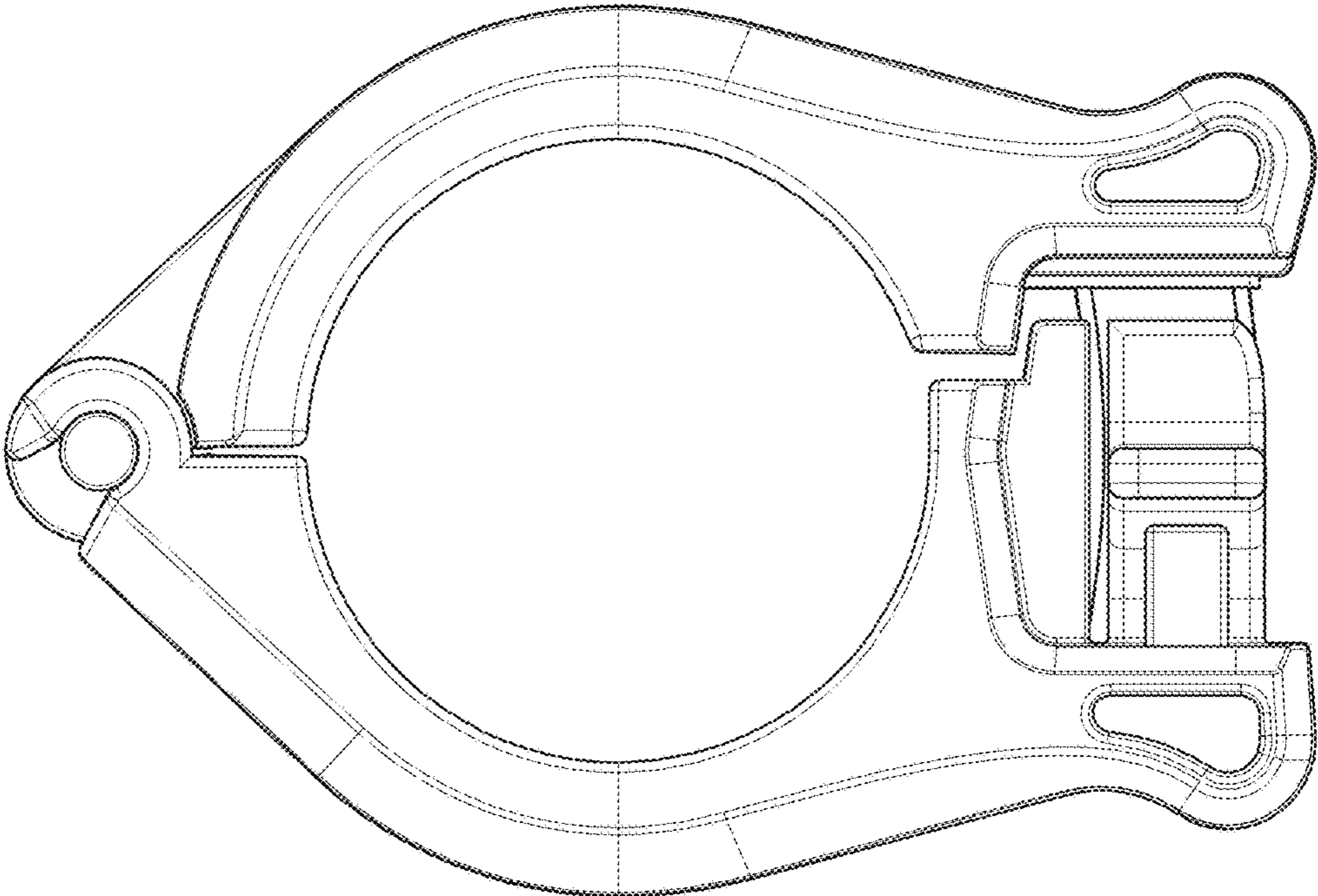


FIG. 2

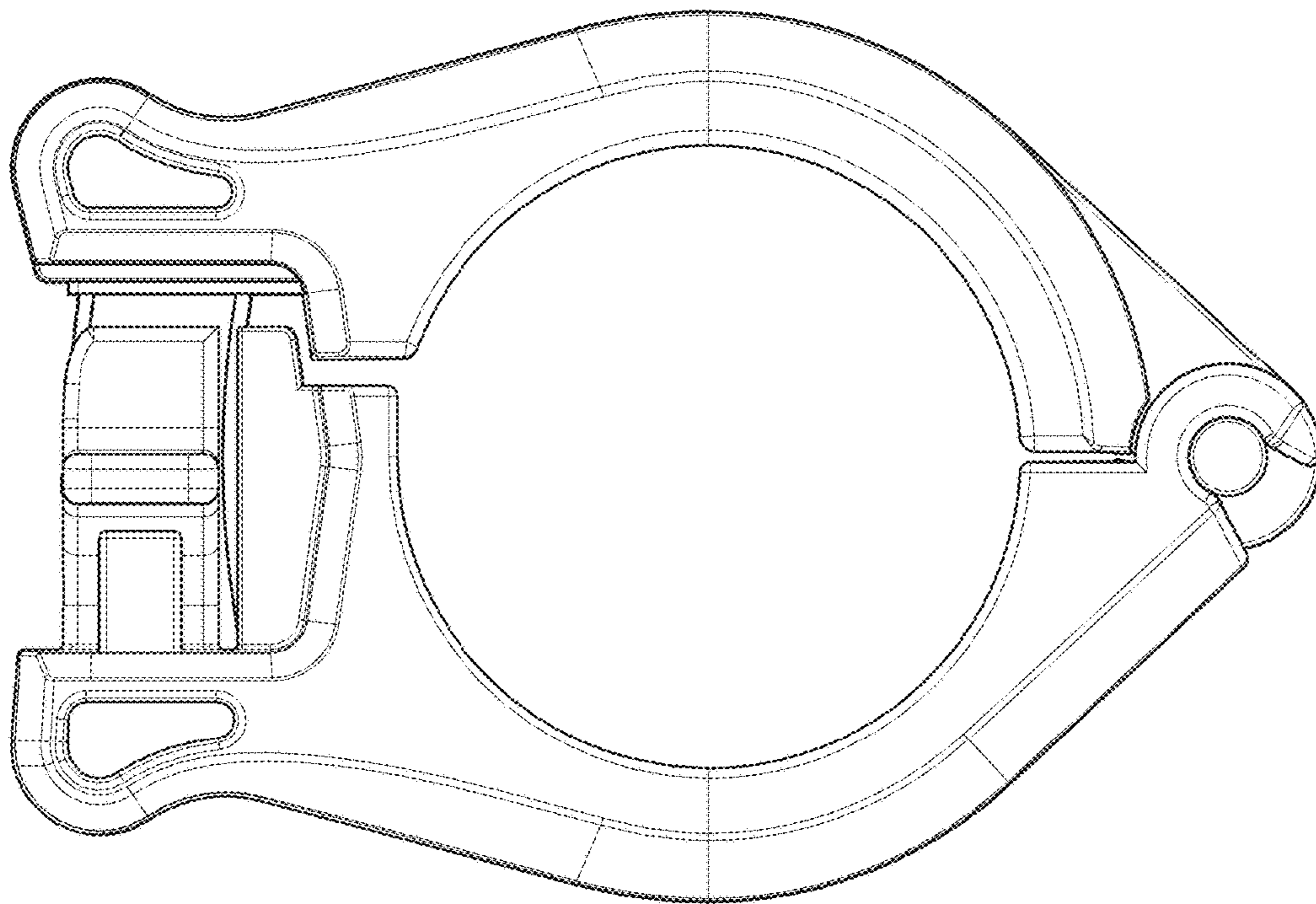


FIG. 3

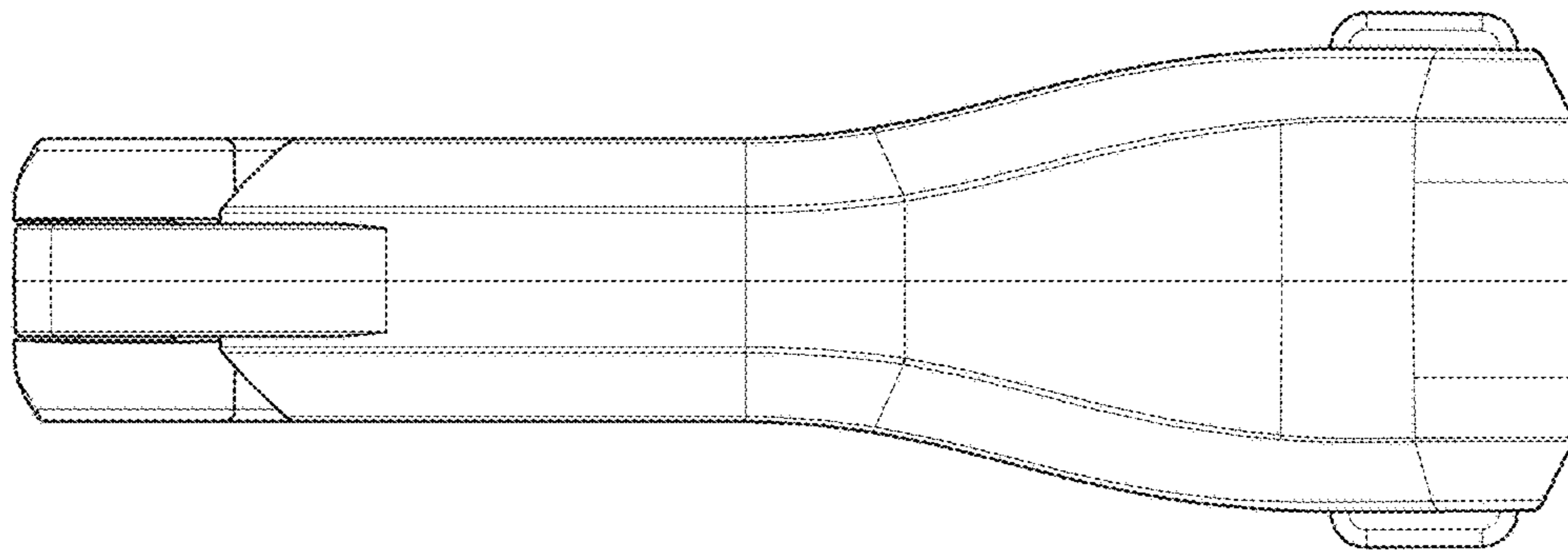


FIG. 4

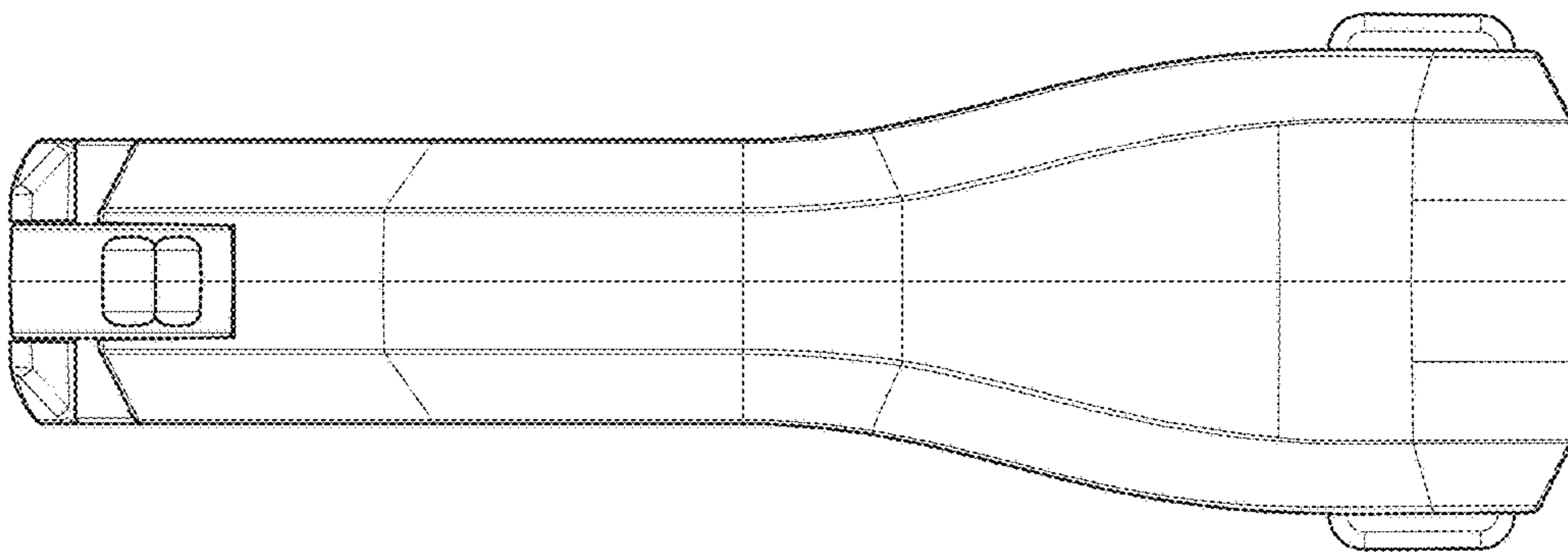


FIG. 5

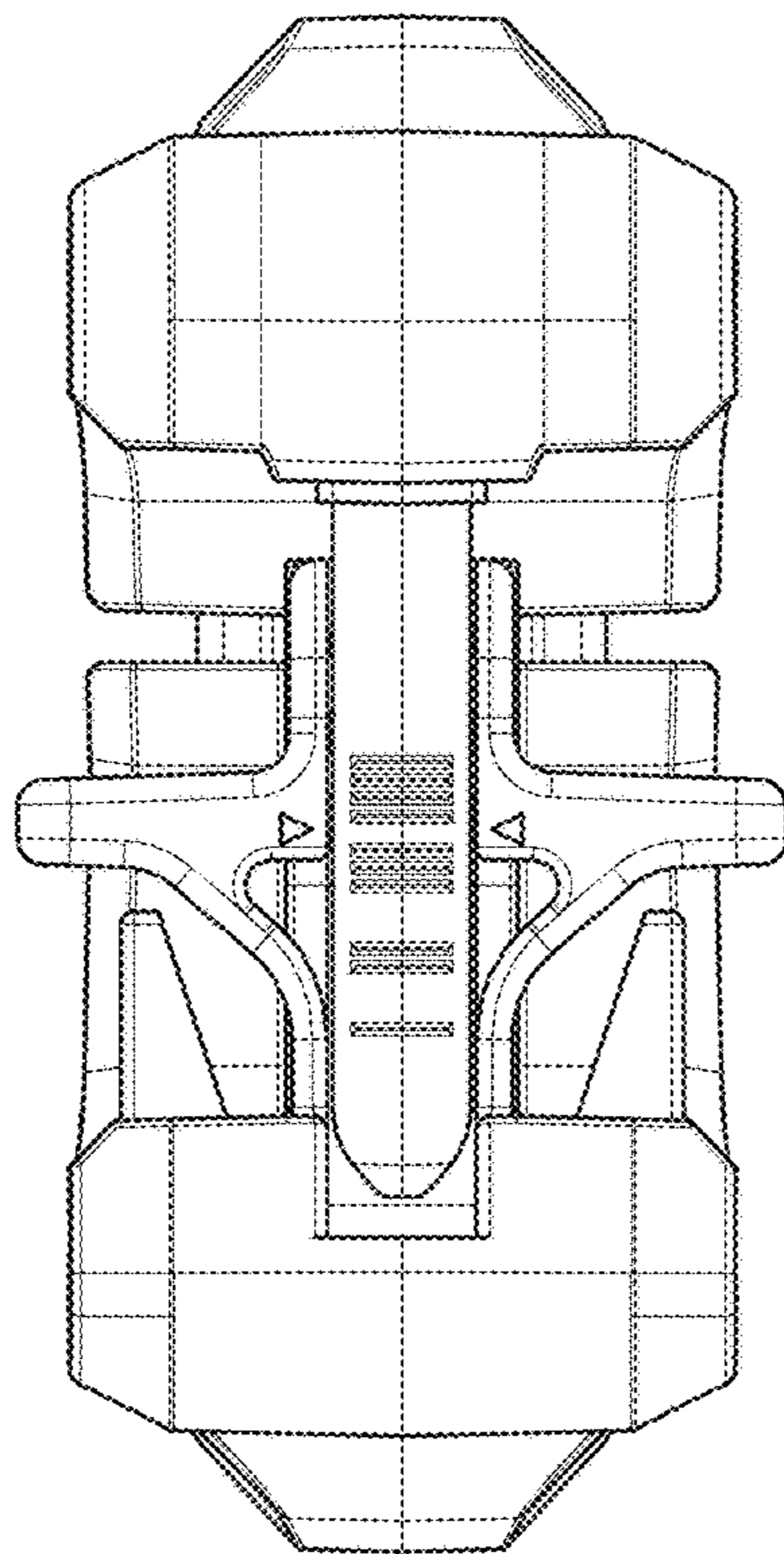


FIG. 6



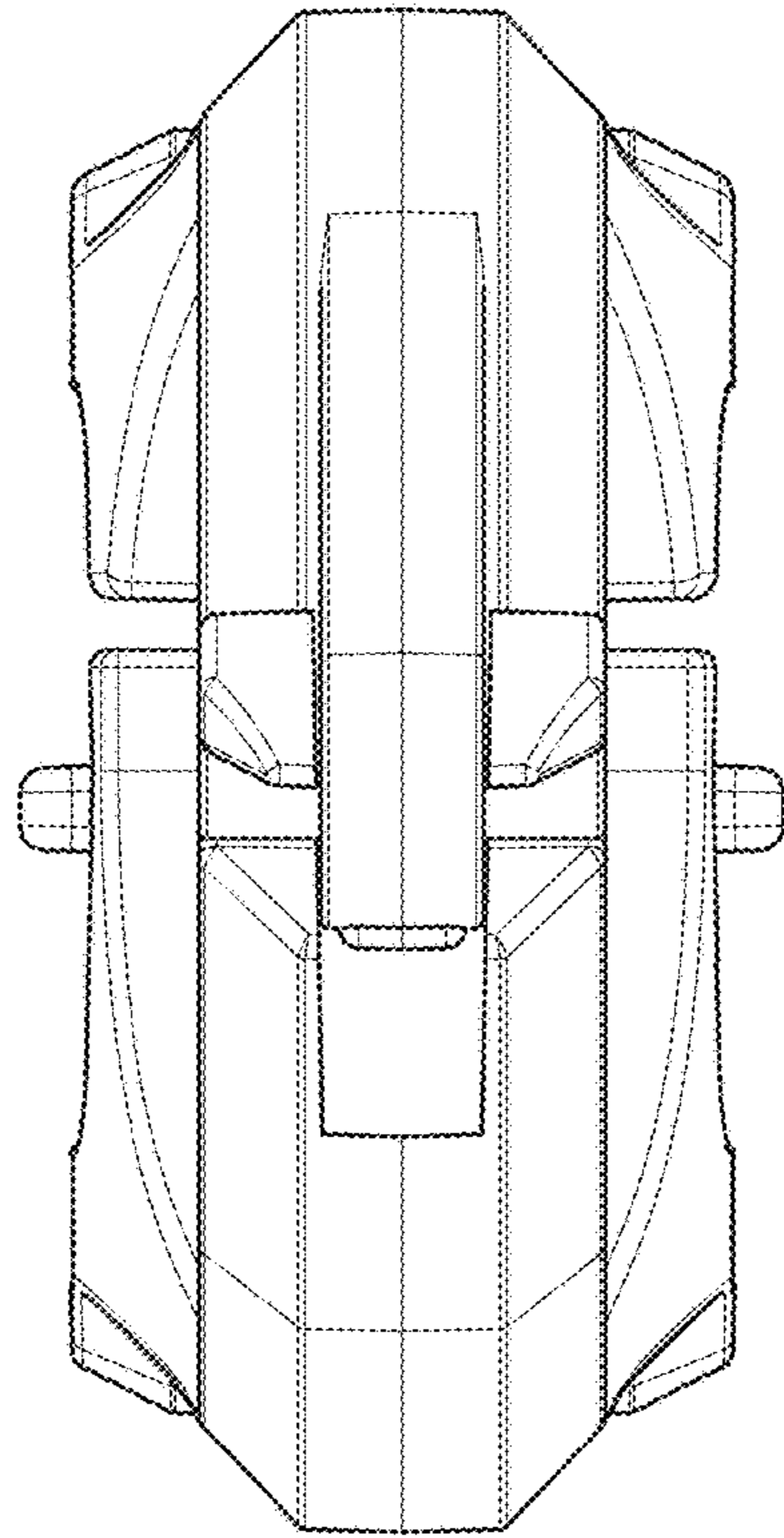


FIG. 7