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(12) **United States Design Patent** (10) **Patent No.:** **US D867,577 S**  
**Walls et al.** (45) **Date of Patent:** **\*\* Nov. 19, 2019**

- (54) **HEADGEAR ASSEMBLY**
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- 5,517,986 A 5/1996 Starr et al.
- D496,726 S 9/2004 Amarasinghe et al.
- D532,511 S 11/2006 Amarasinghe
- D532,512 S 11/2006 Amarasinghe
- D536,092 S 1/2007 Amarasinghe
- D540,940 S 4/2007 Amarasinghe et al.
- D542,912 S 5/2007 Gunaratnam et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

- JP D1464190 2/2013
- WO WO 2007/041786 A1 4/2007

(Continued)

**OTHER PUBLICATIONS**

Australian Examination Report; dated Jul. 8, 2016; 5 pages.

(Continued)

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- (\*\*) Term: **15 Years**
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**Related U.S. Application Data**

- (60) Continuation of application No. 29/640,467, filed on Mar. 14, 2018, now Pat. No. Des. 848,607, which is a division of application No. 29/581,677, filed on Oct. 20, 2016, now Pat. No. Des. 815,728, which is a division of application No. 29/475,080, filed on Nov. 27, 2013, now Pat. No. Des. 770,036.

(51) **LOC (12) Cl.** ..... **29-02**

(52) **U.S. Cl.**  
USPC ..... **D24/110.1; D24/110.4**

(58) **Field of Classification Search**  
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CPC ..... A61M 16/0622; A61M 16/0616; A61M 16/0605; A61M 16/0644; A61M 16/0633; A61M 16/06; A61M 16/0683  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D335,367 S 5/1993 Mieskoski
- 5,394,568 A 3/1995 Brostrom et al.

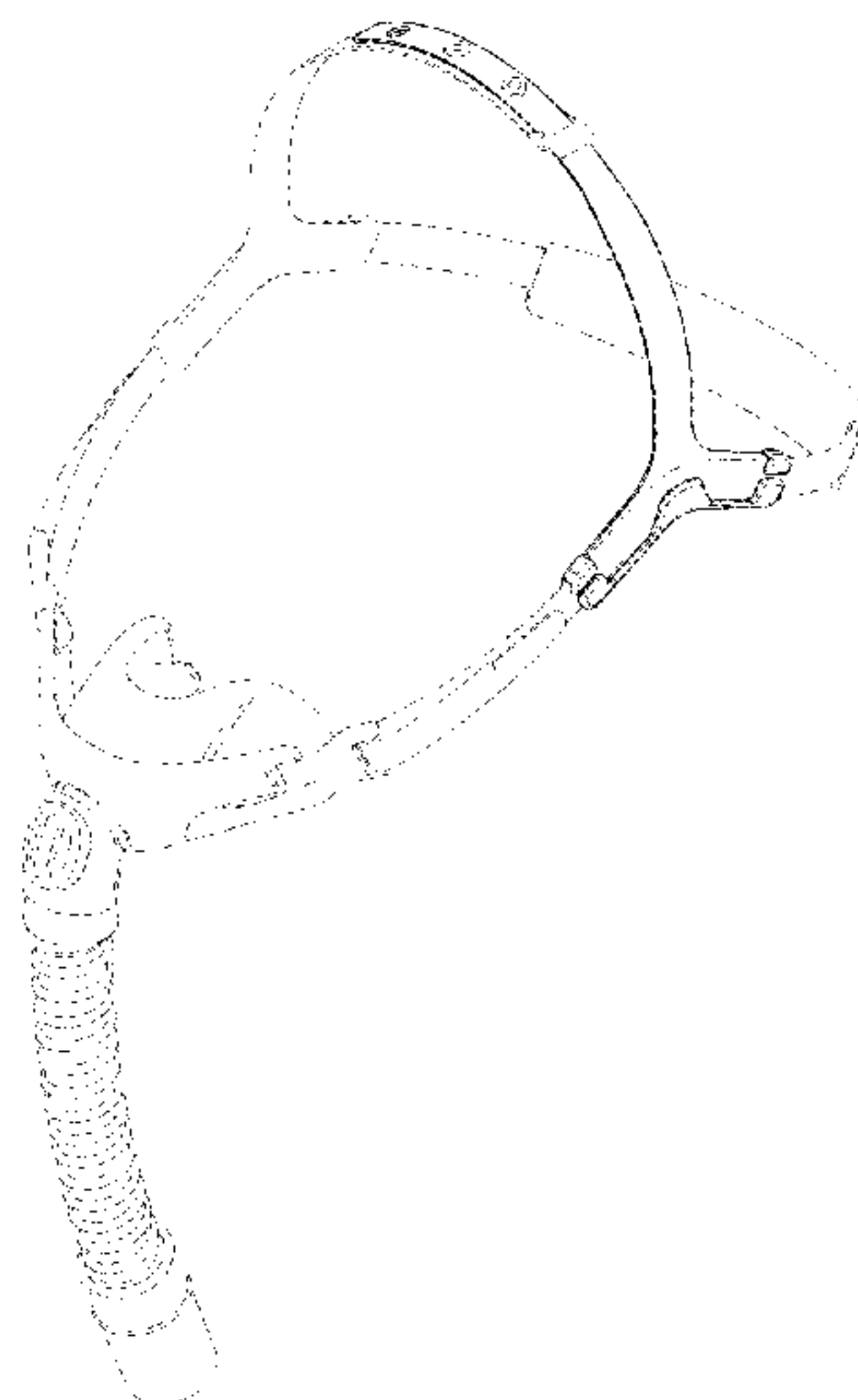
(57) **CLAIM**

The ornamental design for a headgear assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front and right side perspective view of a headgear assembly embodying the new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a back view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
Broken lines are used to illustrate portions that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D546,441 S 7/2007 Hitchcock et al.  
 D561,332 S 2/2008 Amarasinghe et al.  
 D612,933 S 3/2010 Prentice et al.  
 D653,748 S 2/2012 Henry et al.  
 D656,231 S 3/2012 Henry et al.  
 D668,328 S 10/2012 Hill et al.  
 D691,257 S 10/2013 Siew et al.  
 D692,554 S 10/2013 Siew et al.  
 D696,767 S 12/2013 Scheiner et al.  
 D704,329 S 5/2014 Collazo et al.  
 D706,413 S 6/2014 Veliss et al.  
 D709,181 S 7/2014 Henry et al.  
 8,839,791 B2 9/2014 Allum et al.  
 8,985,115 B2 3/2015 Baecke et al.  
 D729,381 S 5/2015 Himes et al.  
 D737,953 S 9/2015 Wells et al.  
 D746,436 S 12/2015 Guney et al.  
 D747,460 S 1/2016 Hoge et al.  
 D770,036 S 10/2016 Walls et al.  
 D787,661 S 5/2017 Edwards  
 D797,921 S 9/2017 Huang et al.  
 D815,728 S 4/2018 Walls et al.  
 D822,194 S \* 7/2018 Walls ..... D24/110.1  
 10,039,894 B2 8/2018 Walls et al.  
 10,080,856 B2 9/2018 McLaren et al.  
 D848,607 S 5/2019 Walls et al.  
 2003/0196658 A1 10/2003 Ging et al.  
 2004/0112377 A1 6/2004 Amarasinghe et al.  
 2004/0226566 A1 11/2004 Gunaratnam et al.  
 2006/0081252 A1 4/2006 Wood  
 2007/0163600 A1 7/2007 Hoffman  
 2008/0190432 A1 8/2008 Blochlinger et al.  
 2009/0044808 A1 2/2009 Guney et al.  
 2009/0095298 A1 4/2009 Gunaratnam et al.  
 2009/0250065 A1 10/2009 Omura et al.  
 2010/0224199 A1 9/2010 Smith et al.  
 2010/0229868 A1 9/2010 Rummery et al.  
 2010/0258136 A1 10/2010 Doherty et al.  
 2011/0000492 A1 1/2011 Veliss et al.  
 2011/0146685 A1 6/2011 Allan et al.  
 2011/0197341 A1 8/2011 Formica et al.  
 2011/0232649 A1 9/2011 Collazo et al.  
 2011/0253143 A1 10/2011 Ho et al.  
 2011/0259335 A1 10/2011 Sullivan

2012/0067349 A1 3/2012 Barlow et al.  
 2012/0090622 A1 4/2012 Chang  
 2012/0138060 A1 6/2012 Barlow  
 2012/0222680 A1 9/2012 Eves et al.  
 2013/0042871 A1 2/2013 Chang  
 2013/0186403 A1 7/2013 Chang  
 2013/0199537 A1 8/2013 Formica et al.  
 2013/0220327 A1 8/2013 Barlow et al.  
 2014/0000614 A1 1/2014 Chang  
 2014/0264975 A1 9/2014 Bath et al.  
 2014/0283843 A1 9/2014 Eves et al.  
 2015/0151071 A1 6/2015 Von Moger et al.  
 2015/0199479 A1 7/2015 Semen et al.  
 2015/0224274 A1 8/2015 Siew et al.  
 2015/0290415 A1 10/2015 Dunn  
 2016/0051784 A1 2/2016 Eury et al.  
 2016/0151596 A1 6/2016 Slight et al.  
 2016/0166792 A1 6/2016 Allan et al.  
 2016/0166793 A1 6/2016 McLaren et al.  
 2016/0287830 A1 10/2016 Walls et al.  
 2017/0119988 A1 5/2017 Allan et al.  
 2018/0078725 A1 3/2018 Richardson et al.  
 2018/0304036 A1 10/2018 Huang et al.  
 2018/0318541 A1 \* 11/2018 Walls ..... A61M 16/0683  
 2019/0030272 A1 \* 1/2019 Graham ..... A61M 16/0683

FOREIGN PATENT DOCUMENTS

WO WO 2009/059353 A1 5/2009  
 WO WO 2011/060479 A1 5/2011  
 WO WO 2012/045127 4/2012

OTHER PUBLICATIONS

International Search Report; PCT/IB2014/066374; dated Feb. 16, 2015; 3 pages.  
 International Preliminary Report on Patentability; PCT/IB2014/066374; dated Jun. 9, 2016; 5 pages.  
 Reason for Rejection from Examination Report [Partial Translation], Japanese Design Application No. 2014-011228.  
 Supplementary Search Report in European Application No. 14865246.4 dated Jun. 16, 2017; 7 pages.  
 Australian Examination Report for Australian patent application 2017245368; dated Sep. 27, 2018; 3 pages.

\* cited by examiner

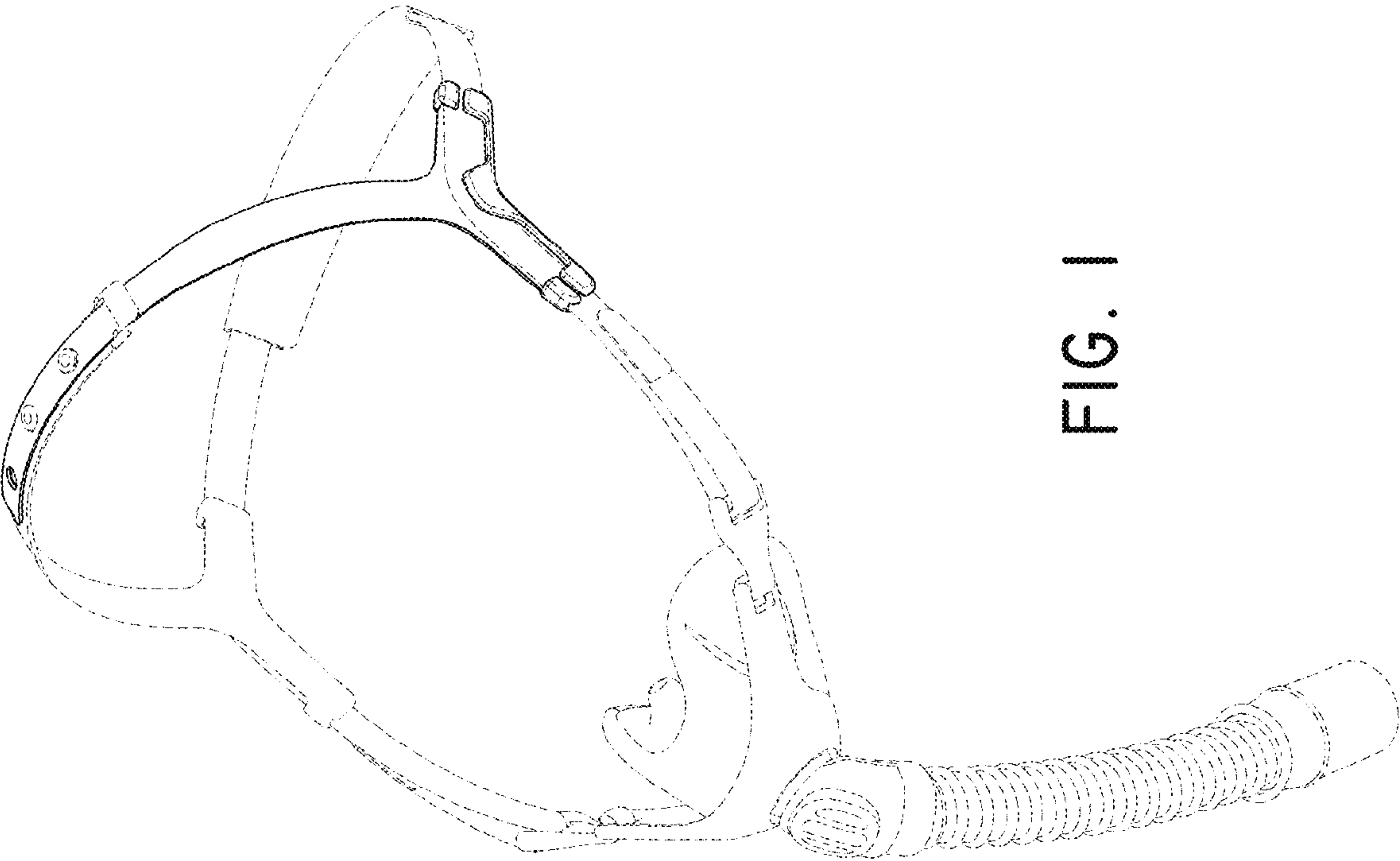


FIG. 1

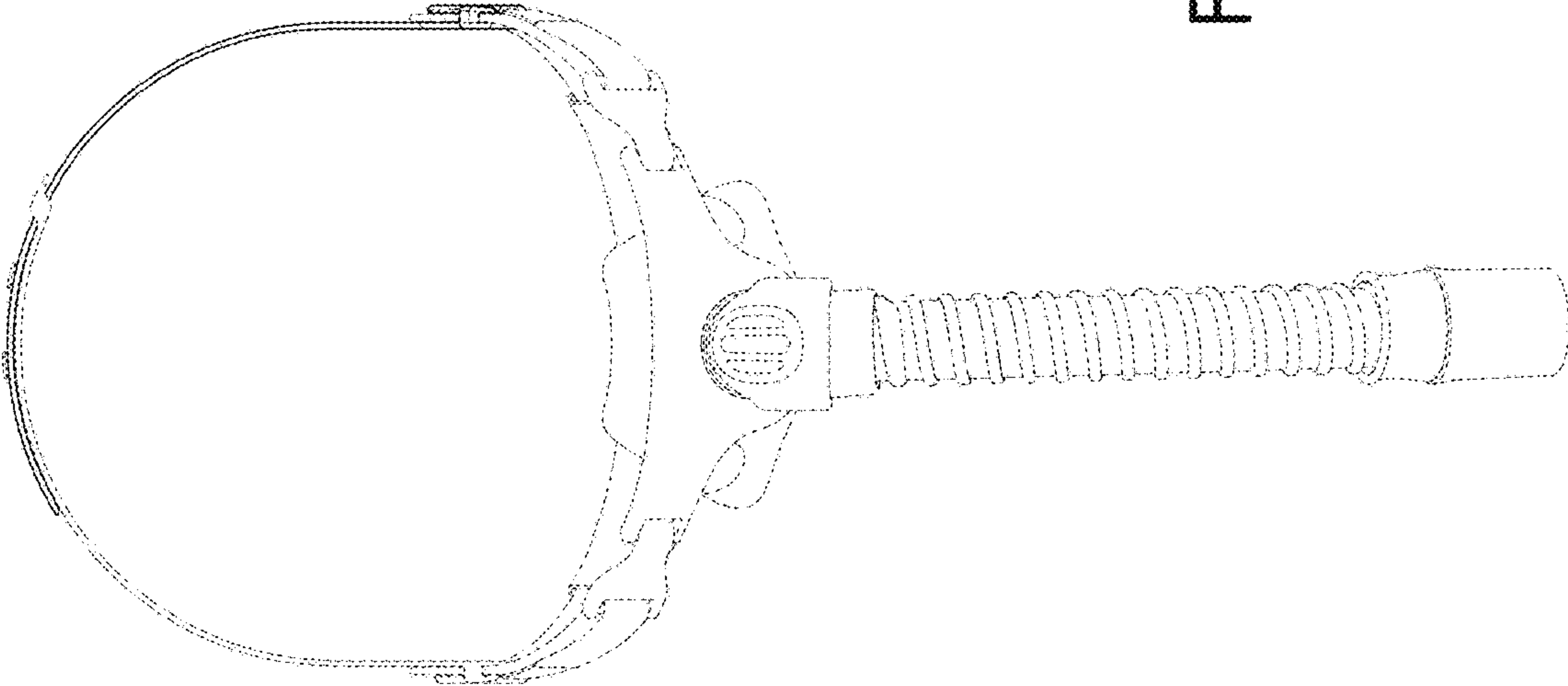


FIG. 2

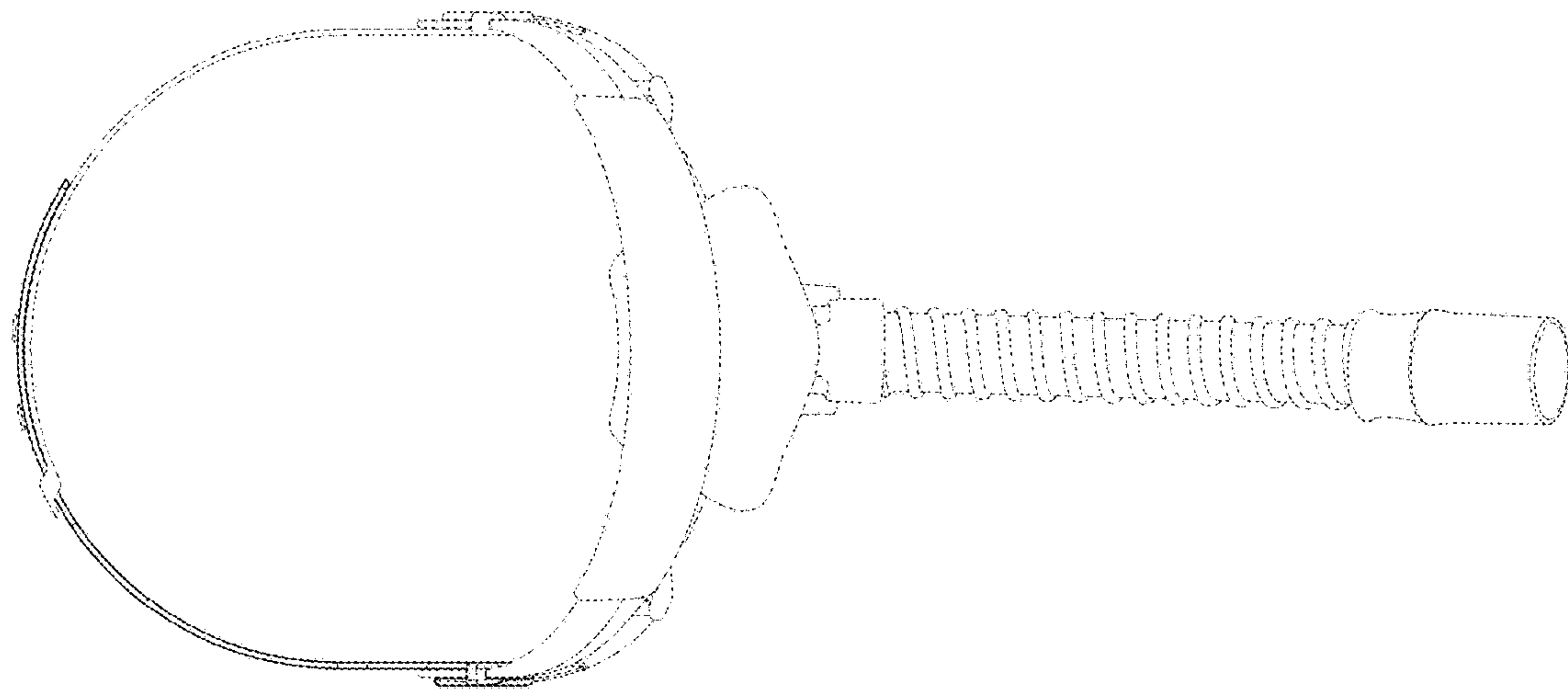


FIG. 3



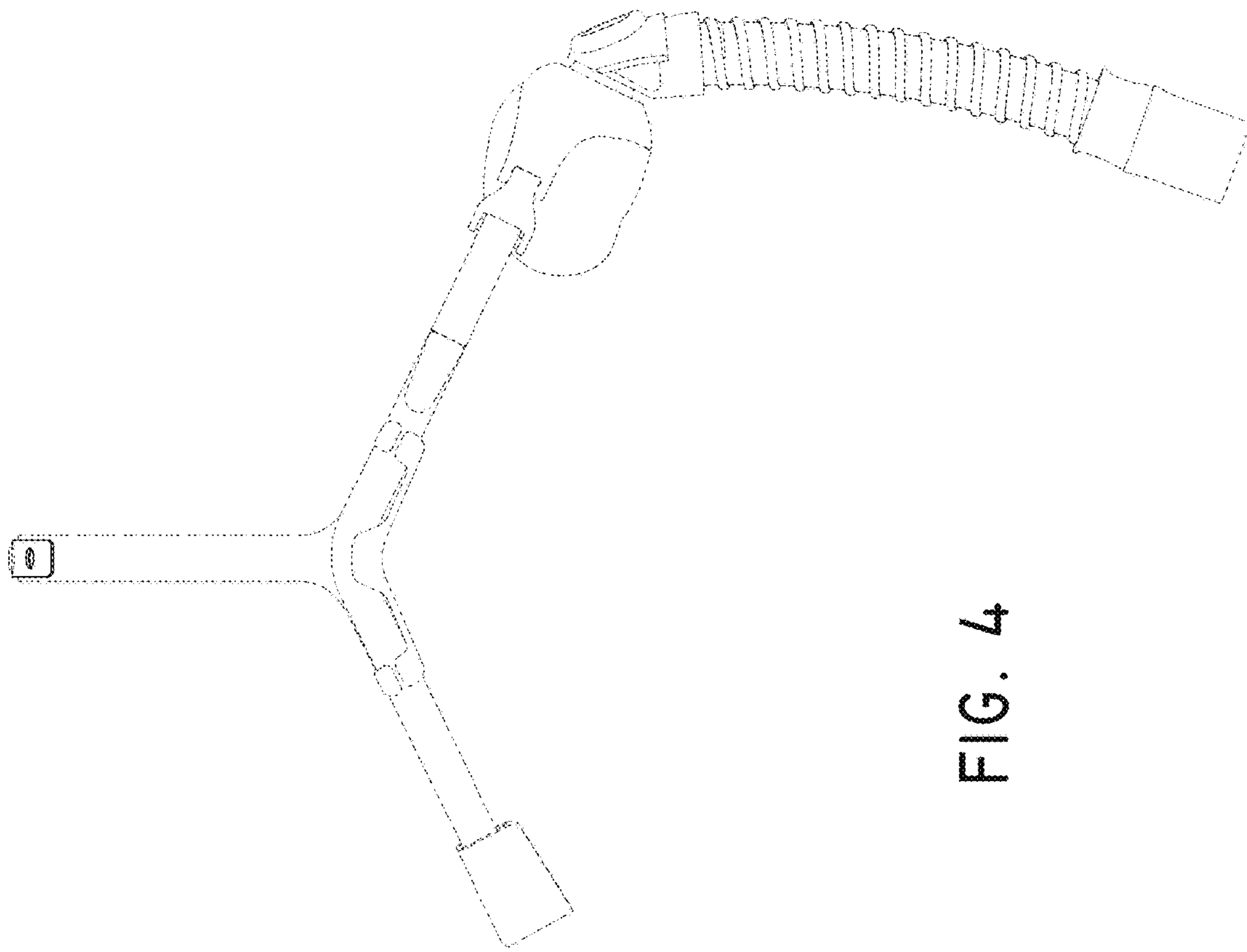


FIG. 4

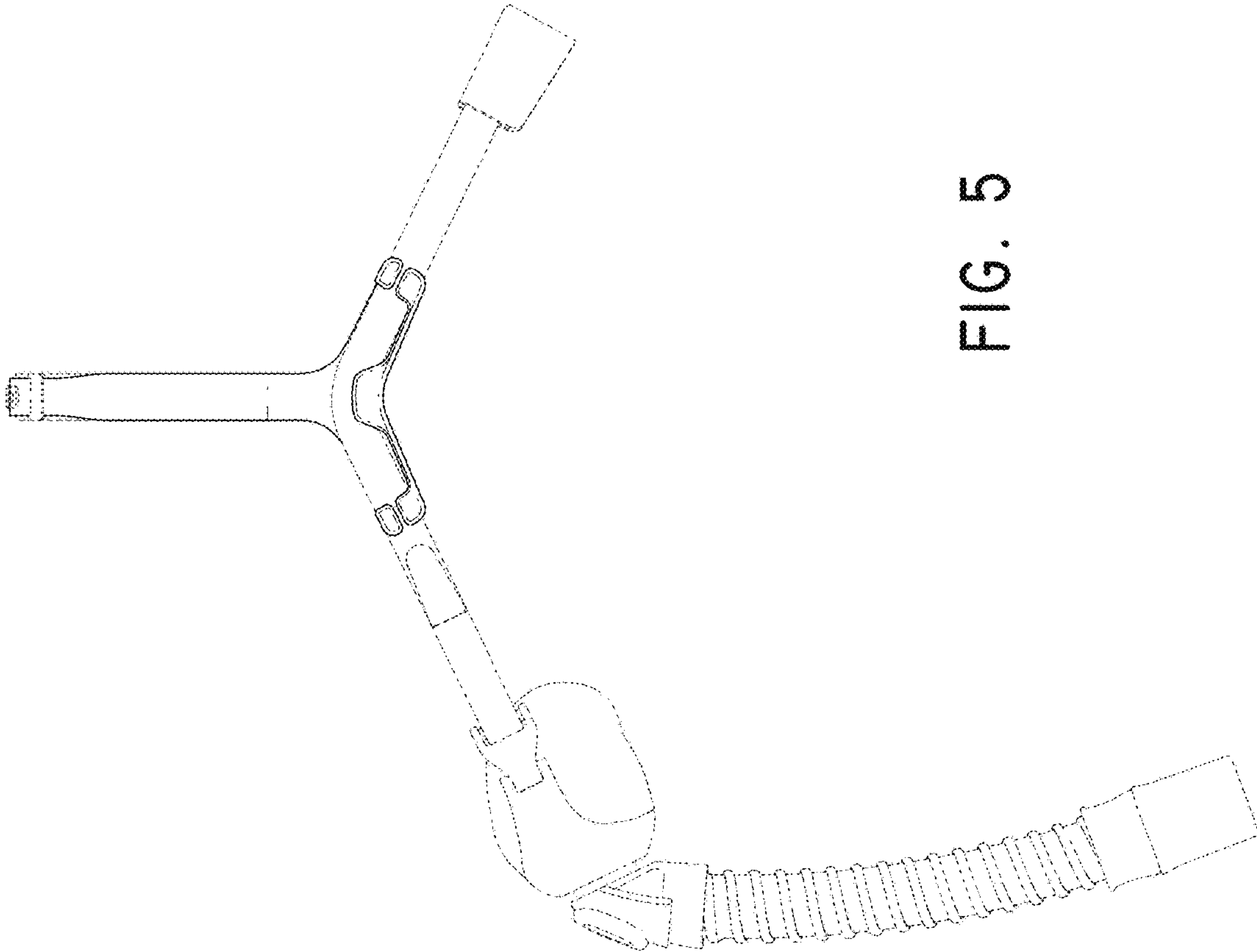


FIG. 5

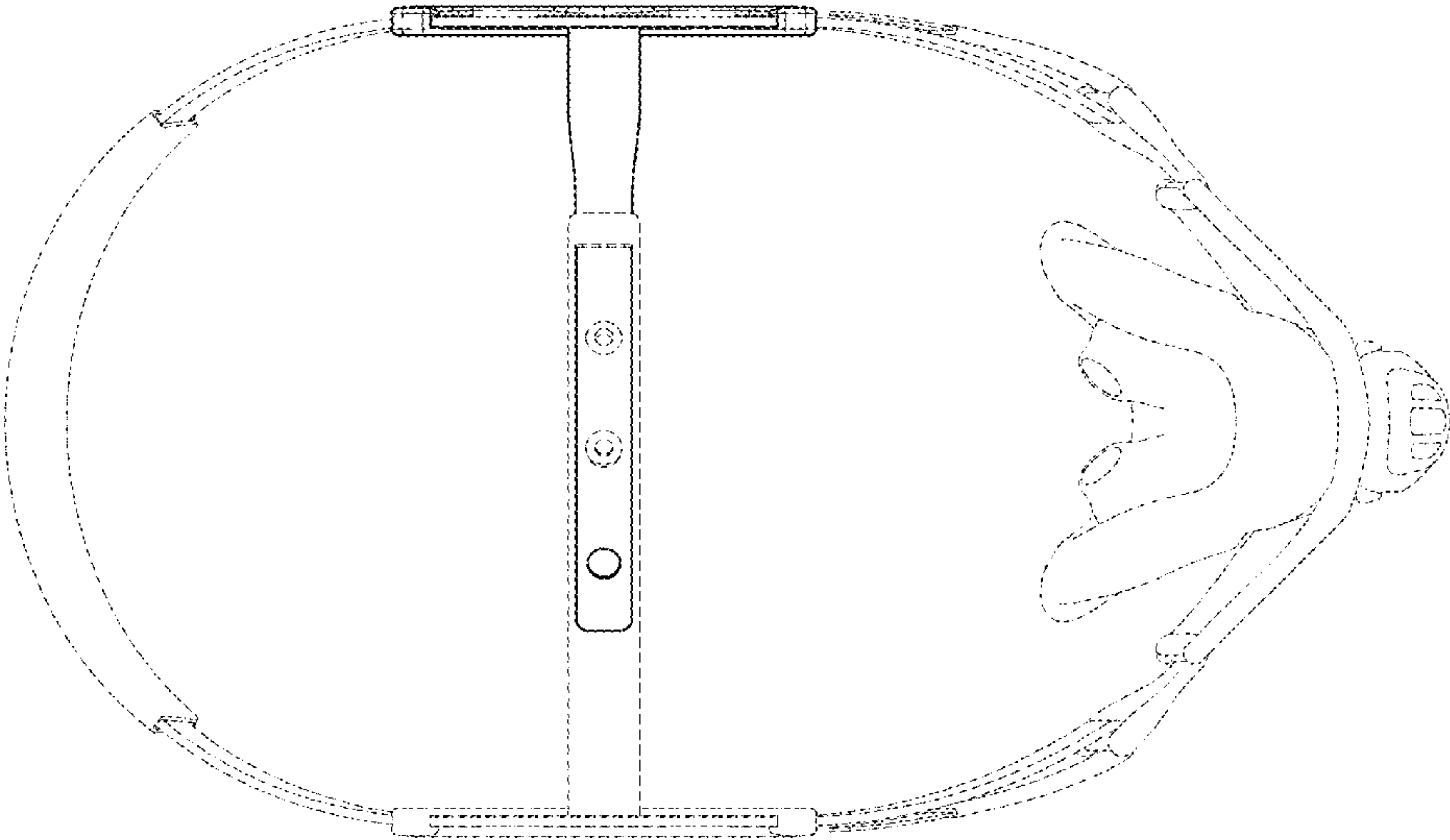


FIG. 6



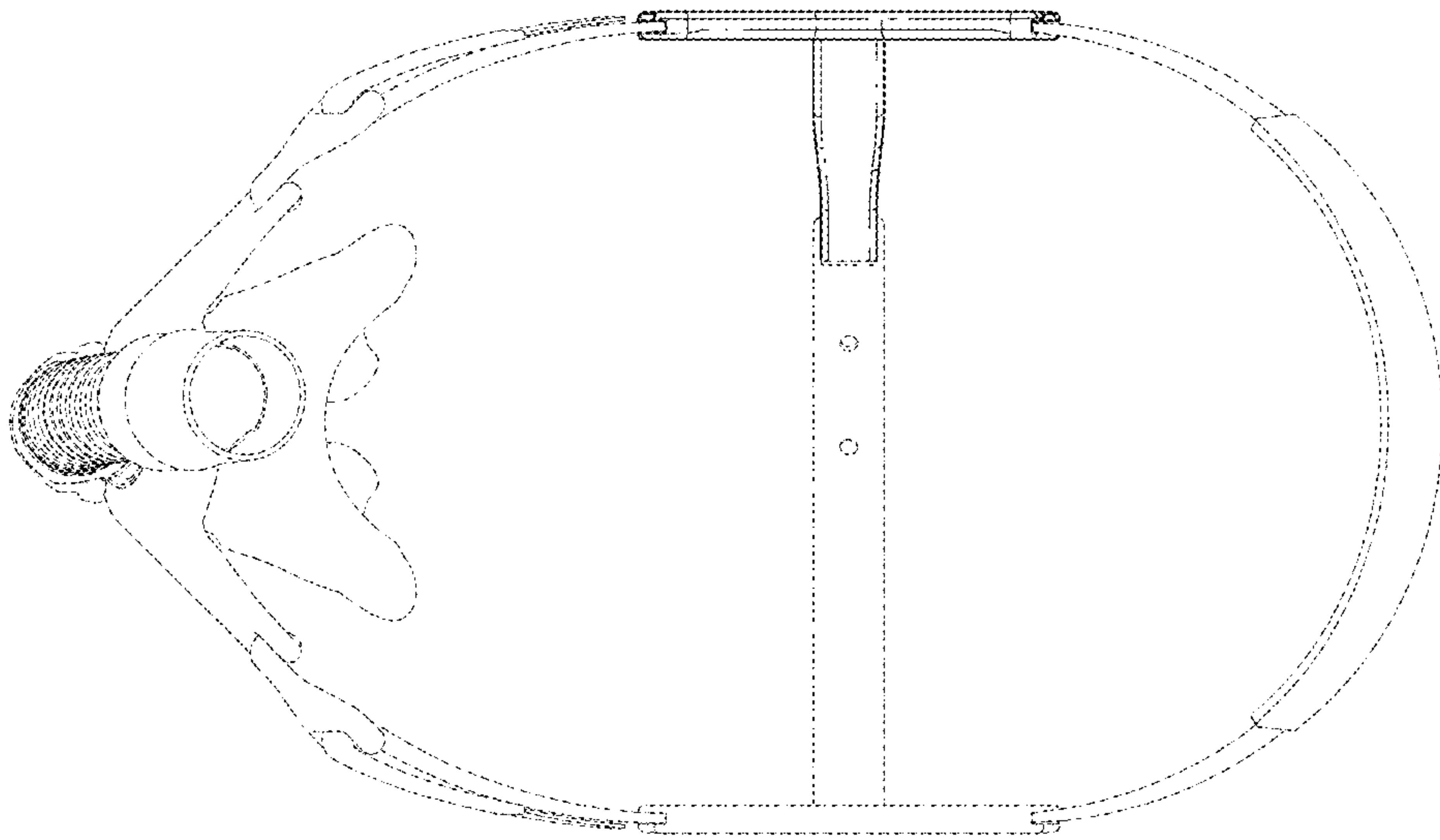


FIG. 7