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

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(54) **COOLING DEVICE FOR NECK**

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

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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
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D24/211–215, 111, 165, 185, 186, 182,  
D24/183, 184, 187, 188, 189; D23/314,  
D23/332, 333, 351

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A61F 7/03; A61F 7/007; A61F 7/034;  
A61F 2013/00187; A61F 2013/00204;  
A61F 2013/00906; A61F 2007/0225;  
A61F 2007/0071; A61F 2007/0072; A61F  
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2007/0089; A61F 7/08; A61F 7/086;  
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2007/003; A61F

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,616,961 A \* 2/1927 Carter ..... A61F 7/08  
607/109  
1,964,655 A \* 6/1934 Williamson ..... A61F 7/103  
607/109

(Continued)

OTHER PUBLICATIONS

ALEX Plus Posture Tracker, [site visited Jul. 28, 2020]. Available  
from Internet. URL: <https://www.amazon.com/ALEX-Wearable-Posture-Tracker-Trainer/dp/B07499ZSXC> (Year: 2020).\*

(Continued)

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(57) **CLAIM**

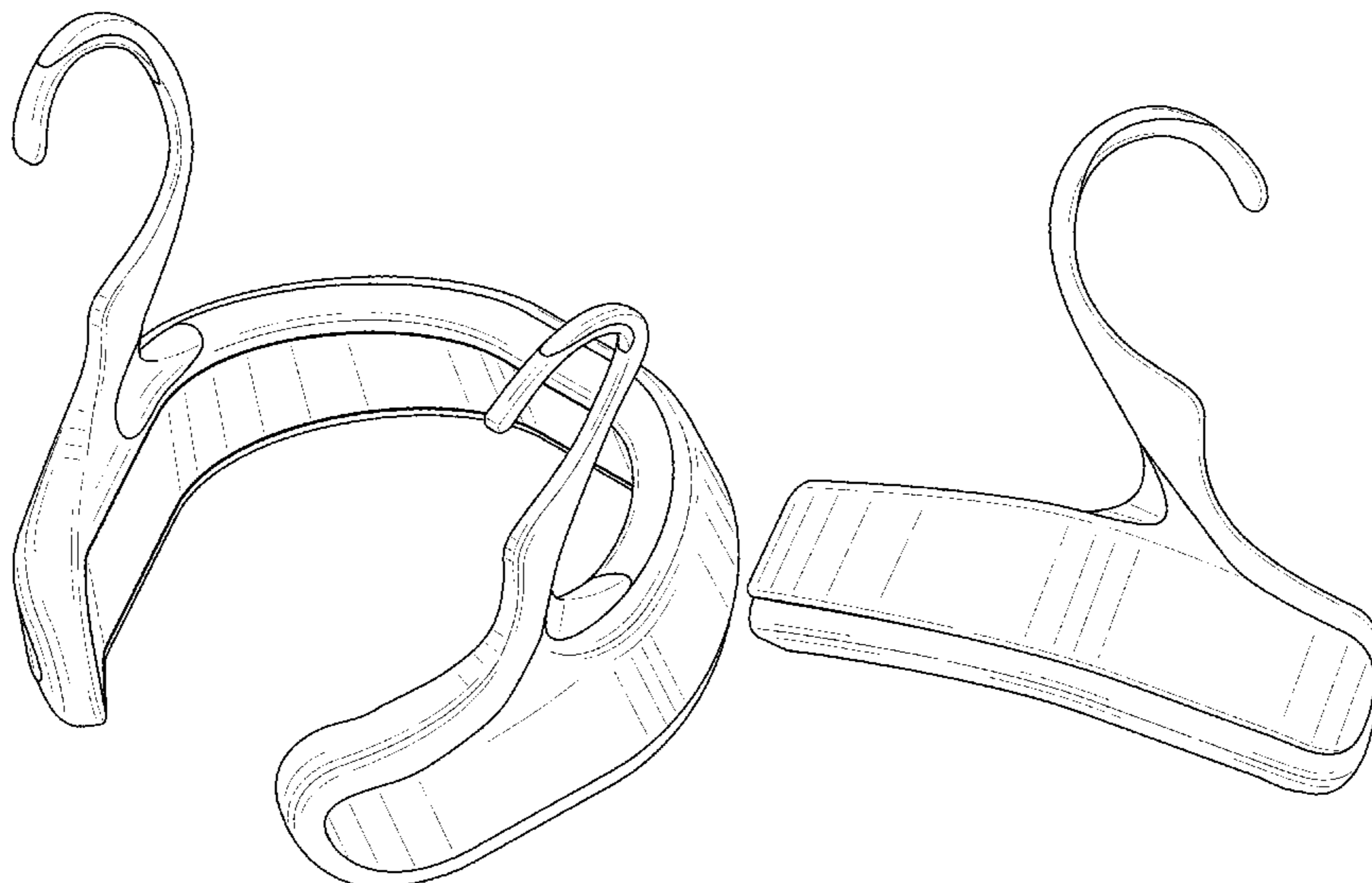
The ornamental design for a cooling device for neck, as  
shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the front, top and right side  
view of a cooling device for neck showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof, a right side view being a  
mirror image;  
FIG. 5 is a top view thereof;  
FIG. 6 is a bottom view thereof; and,  
FIG. 7 is a perspective view of usage showing a wearing  
state thereof.

The broken lines shown are included for the purpose of  
illustrating environmental structure and portions of the cool-  
ing device that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(58) **Field of Classification Search**

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 2005/006; A61N 2005/0659; A61N  
 2005/0644

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,805,619 A \* 2/1989 Swearingen ..... A61F 7/103  
 383/901  
 D325,089 S \* 3/1992 Shaw ..... D24/206  
 D328,792 S \* 8/1992 Salmon ..... D24/206  
 5,802,865 A \* 9/1998 Strauss ..... A41D 13/0025  
 62/259.3  
 D407,474 S \* 3/1999 Sage ..... D23/314  
 D408,542 S \* 4/1999 Hoover, Jr. .... D24/206  
 6,016,574 A \* 1/2000 Chen ..... A45D 8/36  
 128/866  
 6,123,717 A \* 9/2000 Davis ..... A61F 7/03  
 607/109  
 6,125,636 A \* 10/2000 Taylor ..... A61F 7/10  
 62/259.3  
 D455,481 S \* 4/2002 Christianson ..... A41D 13/0025  
 D23/351  
 D457,945 S \* 5/2002 Pinchuk ..... D23/351  
 D554,761 S \* 11/2007 Marin ..... D24/206  
 D615,209 S \* 5/2010 Minogue ..... D24/200  
 D630,335 S \* 1/2011 Wise ..... D24/206

D641,488 S \* 7/2011 Mori ..... D24/206  
 D676,139 S \* 2/2013 Golzari ..... D24/206  
 D702,849 S \* 4/2014 Dubbe ..... D24/206  
 D710,514 S \* 8/2014 Campbell ..... D24/209  
 D738,995 S \* 9/2015 Shapiro ..... D23/314  
 D758,677 S \* 6/2016 Maniates ..... D30/152  
 D768,024 S \* 10/2016 Dayal ..... D11/3  
 D777,890 S \* 1/2017 Hsiao ..... D23/333  
 D780,899 S \* 3/2017 Hsiao ..... D23/333  
 D817,504 S \* 5/2018 Float ..... D24/191  
 D821,597 S \* 6/2018 Martinez ..... D24/207  
 D827,844 S \* 9/2018 Lucas ..... D24/207  
 D844,159 S \* 3/2019 McKeown ..... D24/200  
 D845,582 S \* 4/2019 Carzola ..... D2/600  
 D846,131 S \* 4/2019 Cain ..... D24/191  
 D851,776 S \* 6/2019 Weinstein ..... D24/206  
 10,555,863 B2 \* 2/2020 Hall ..... A61N 1/0484  
 10,561,519 B2 \* 2/2020 Chen ..... A45F 5/00  
 D884,201 S \* 5/2020 Fang ..... A61F 7/08  
 D24/206  
 D890,354 S \* 7/2020 Fang ..... A61F 7/03  
 D24/206  
 D890,472 S \* 7/2020 Omachi ..... D2/501  
 10,709,601 B2 \* 7/2020 Adair ..... A61F 7/02  
 2013/0000874 A1 \* 1/2013 Colburn ..... A41D 13/0056  
 165/138

OTHER PUBLICATIONS

Fujitsu Personal Cooler, [site visited Jul. 28, 2020]. Available from Internet. URL: <https://www.coolingpost.com/news-headlines/fujitsu-develops-personal-cooler/> (Year: 2020).\*

\* cited by examiner

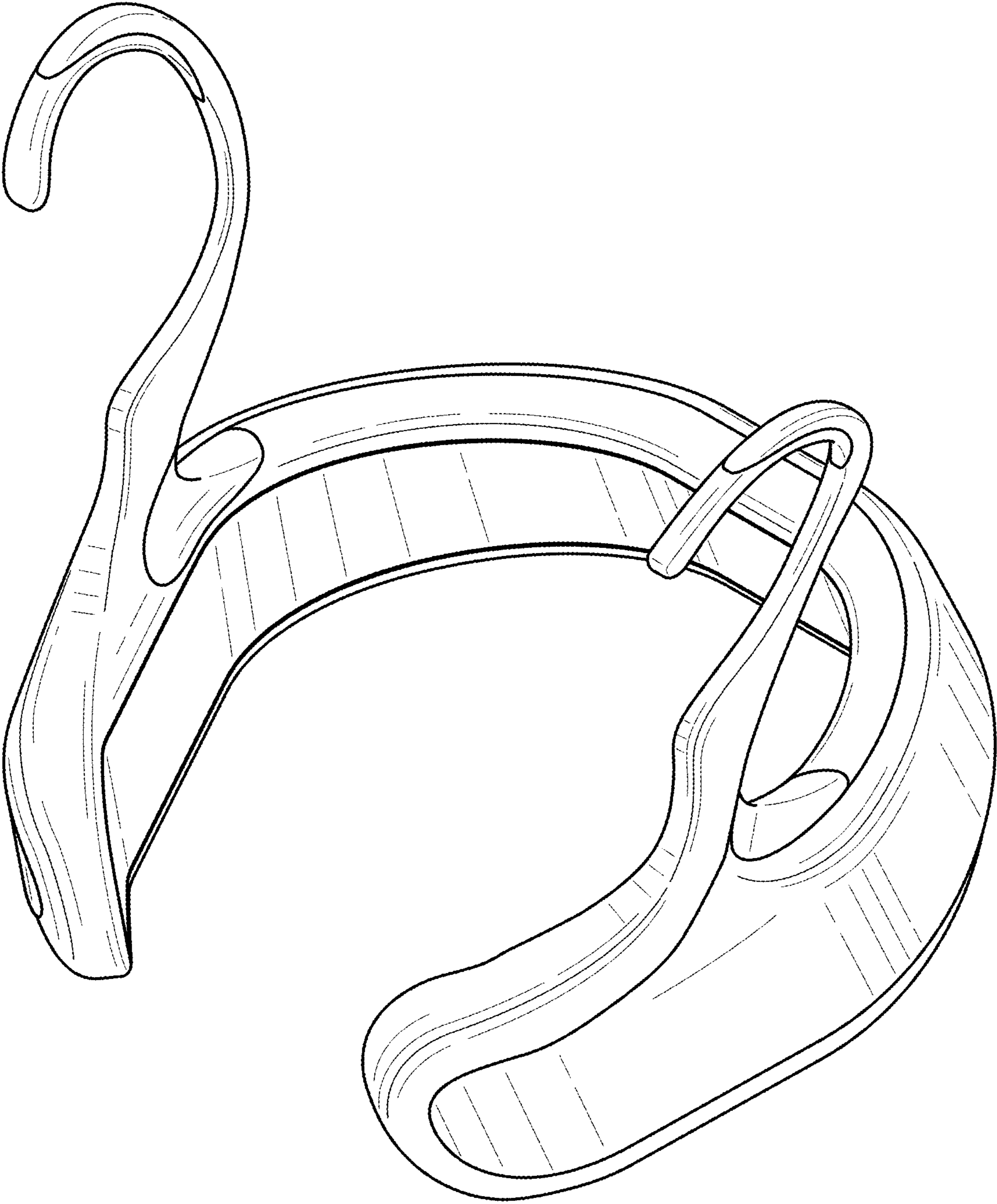


FIG. 1

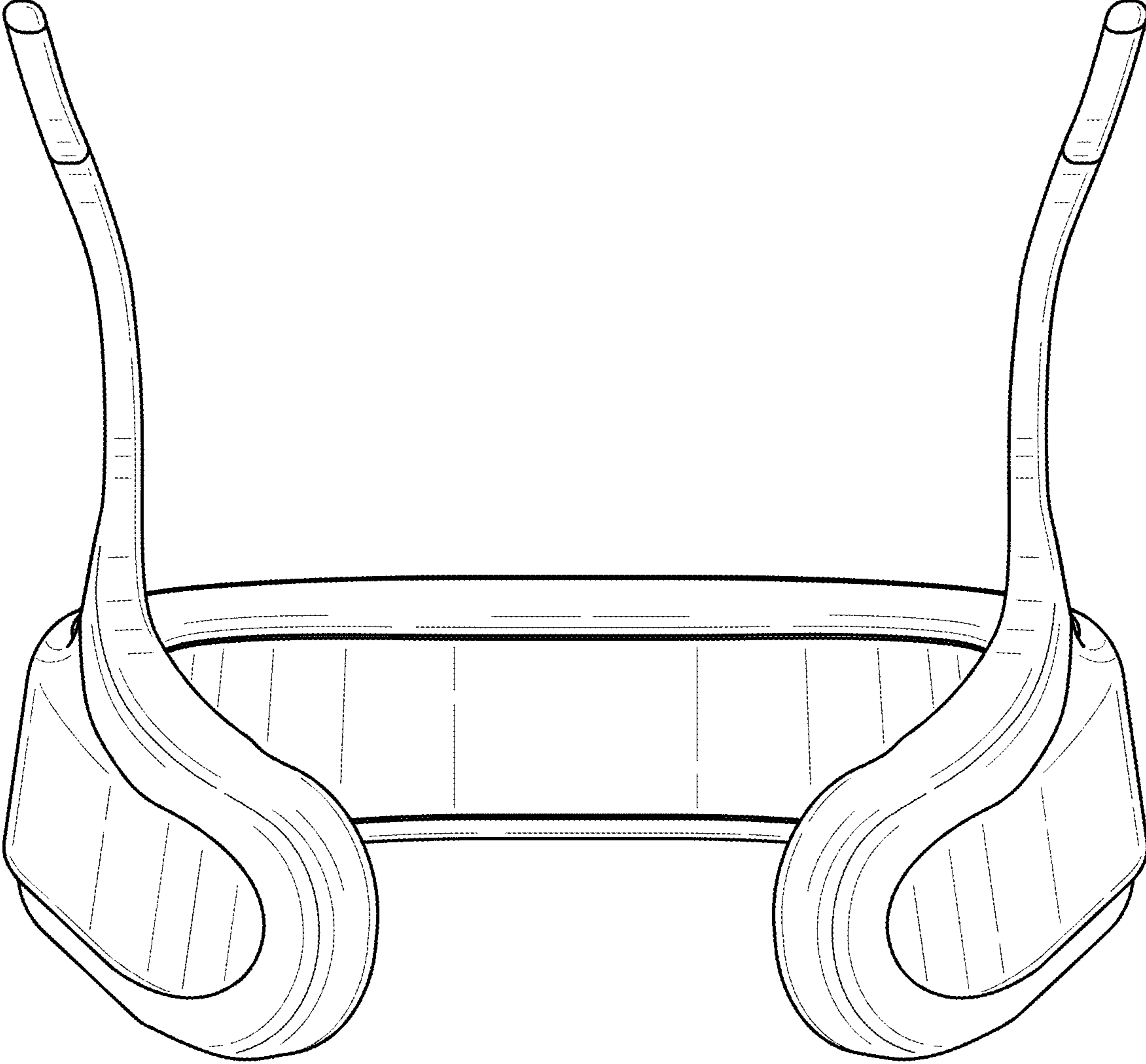


FIG. 2

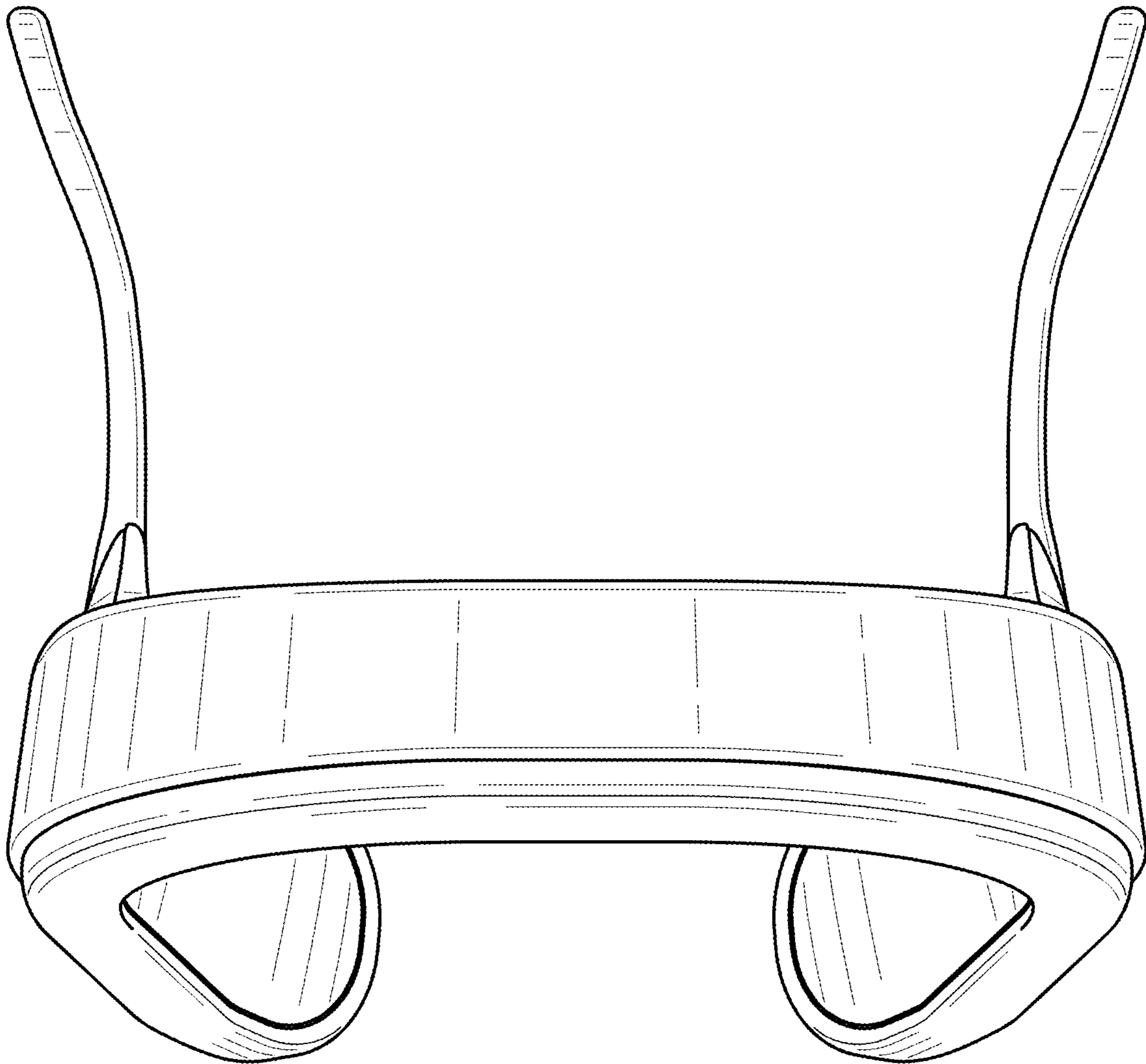
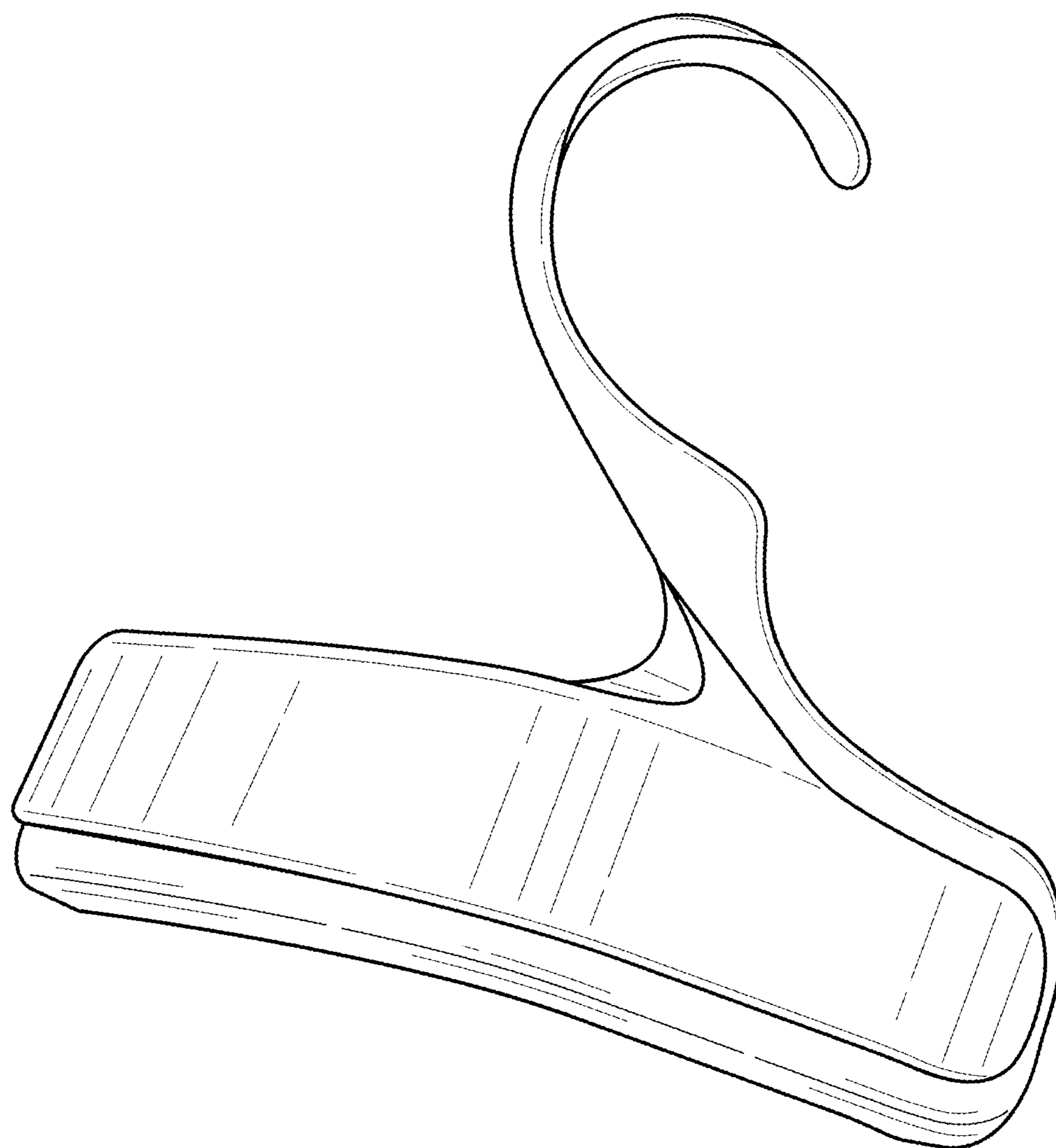


FIG. 3



**FIG. 4**

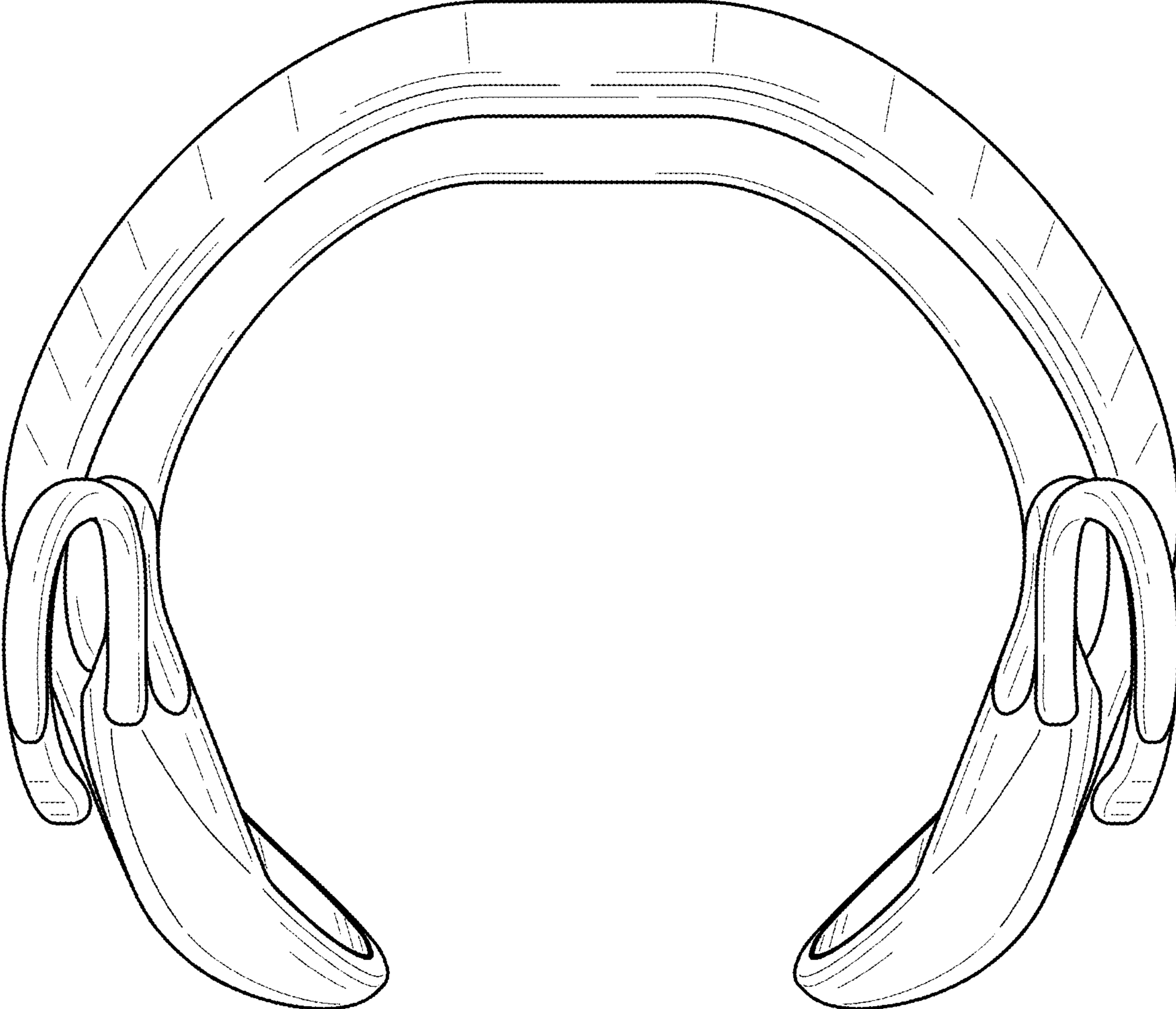
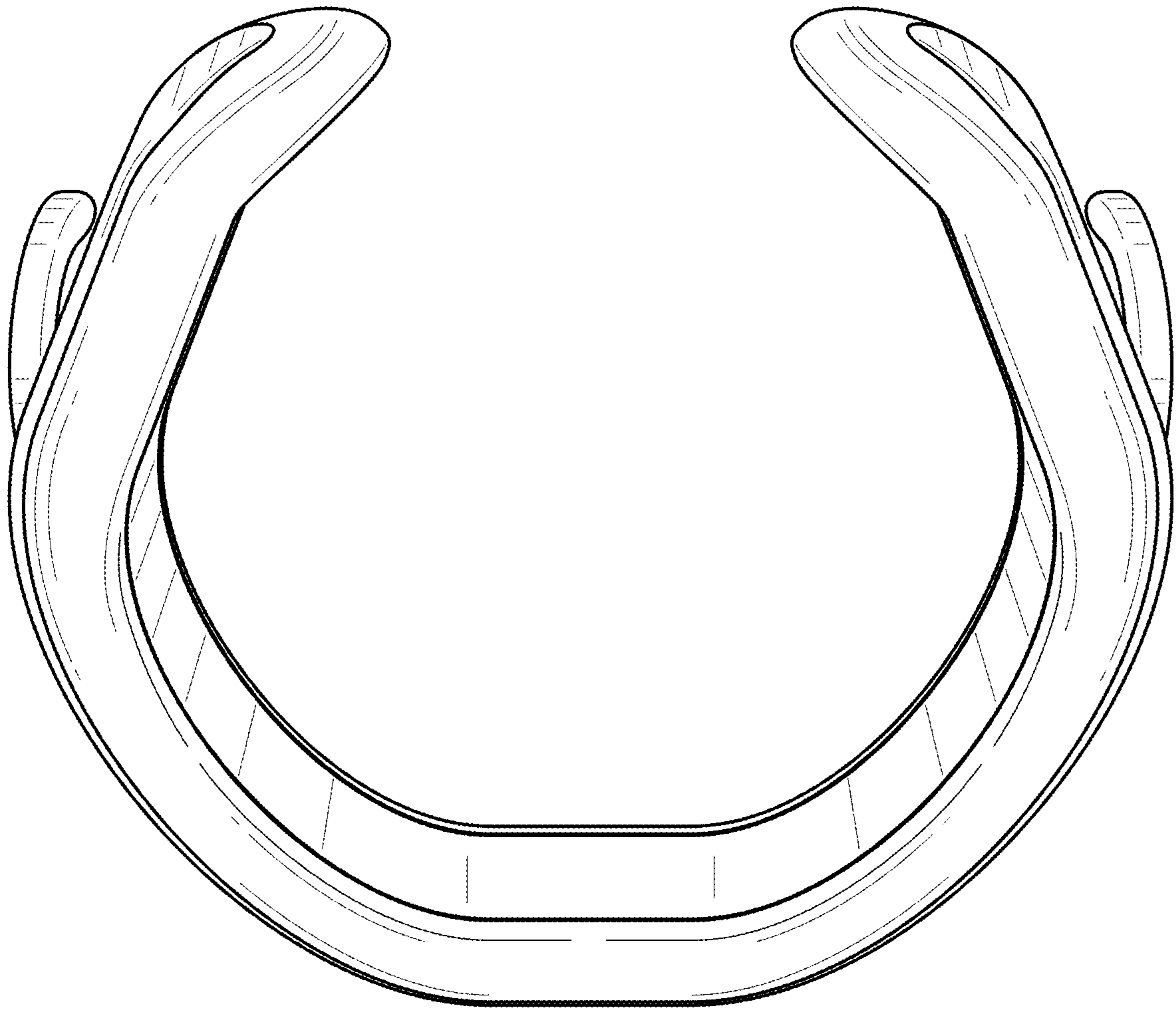


FIG. 5



*FIG. 6*



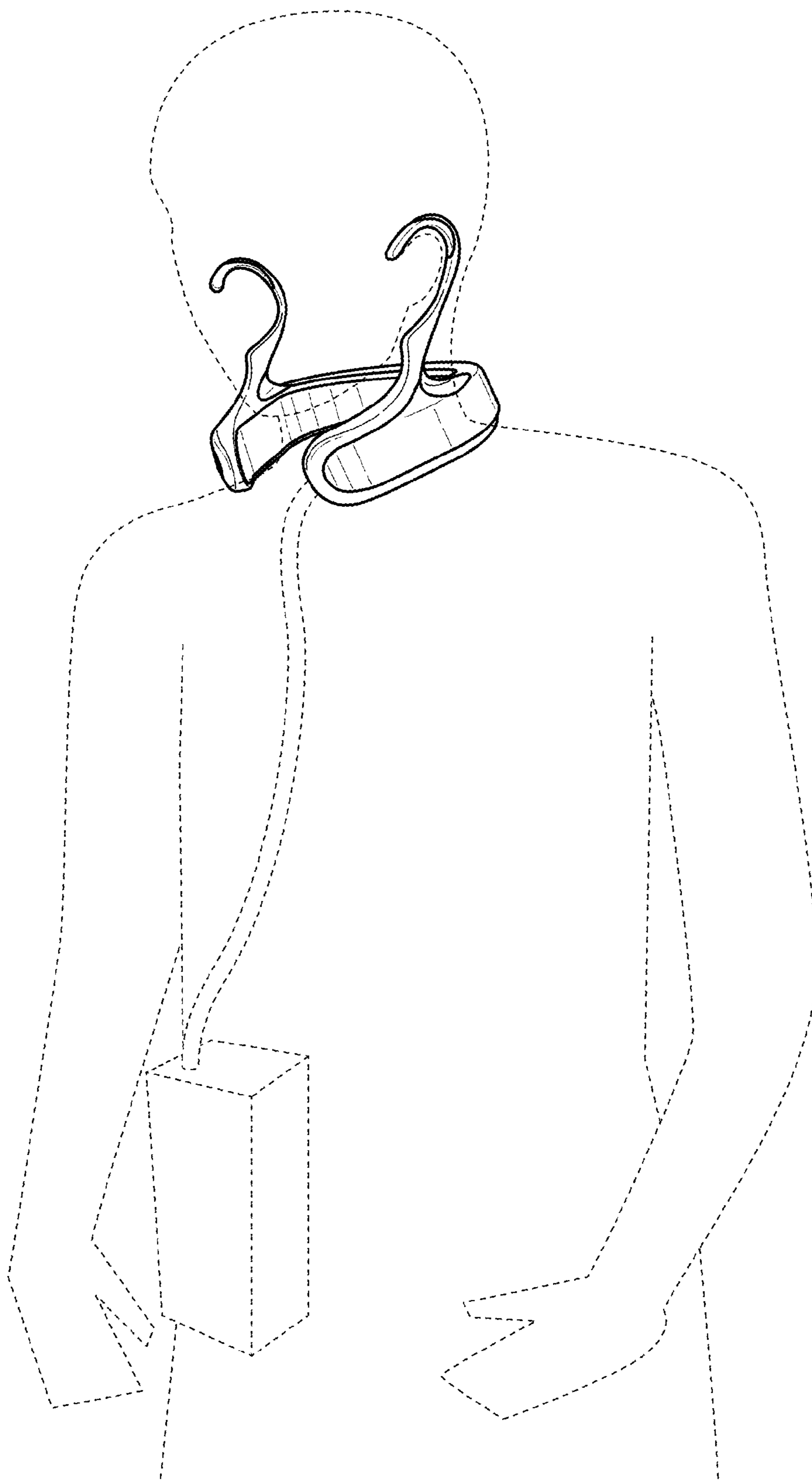


FIG. 7