



US00D925833S

(12) **United States Design Patent** (10) **Patent No.:** **US D925,833 S**  
**Zhang** (45) **Date of Patent:** **\*\* Jul. 20, 2021**

(54) **PROTECTIVE HEAD BAND**

(71) Applicant: **Zhicheng Xie**, Shenzhen (CN)

(72) Inventor: **Qin Zhang**, Shenzhen (CN)

(73) Assignee: **Zhicheng Xie**, Shenzhen (CN)

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

(21) Appl. No.: **29/688,053**

(22) Filed: **Apr. 17, 2019**

(51) **LOC (13) Cl.** ..... **02-03**

(52) **U.S. Cl.**

USPC ..... **D29/102**

(58) **Field of Classification Search**

USPC ..... D2/865, 866, 867, 869, 870, 872, 873,  
D2/874, 878, 886, 887, 888, 891, 892,  
D2/893; D21/698, 788; D24/108, 110,  
D24/110.1, 110.2, 110.3, 110.4, 188, 189;  
D29/100, 102, 103, 104, 105, 106, 107,  
D29/108, 109, 110, 112, 122

CPC ..... A41D 13/00; A41D 13/012; A41D 13/05;  
A41D 13/11; A41D 13/1107; A41D  
13/1138; A41D 13/1161; A41D 13/1176;  
A41D 13/1153; A42B 1/00; A42B 1/002;  
A42B 1/0181; A42B 1/0184; A42B 1/02;

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D281,005 S \* 10/1985 Larsen ..... D21/694  
4,698,852 A \* 10/1987 Romero ..... A42B 3/00  
2/171

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 201930123477.2 \* 10/2019

**OTHER PUBLICATIONS**

Amazon, "Accmor Baby Carseat Head Support Band", first available Dec. 1, 2017. (<https://www.amazon.com/Accmor-Carseat-Support-Carseats-Stroller/dp/B07QQDFLYY>) (Year: 2017).\*

(Continued)

*Primary Examiner* — April Rivas

*Assistant Examiner* — Justin A Johnson

(57) **CLAIM**

The ornamental design for a protective head band, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a protective head band in accordance with a first embodiment showing my new design in a first state;

FIG. 2 is a rear perspective view thereof;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a left side elevational view thereof;

FIG. 6 is a right side elevational view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is similar to FIG. 1, but the protective head band in a second state;

FIG. 10 is a front perspective view of the protective head band in accordance with a second embodiment in a first state;

FIG. 11 is a rear perspective view thereof;

FIG. 12 is a front elevational view thereof;

FIG. 13 is a rear elevational view thereof;

FIG. 14 is a left side elevational view thereof;

FIG. 15 is a right side elevational view thereof;

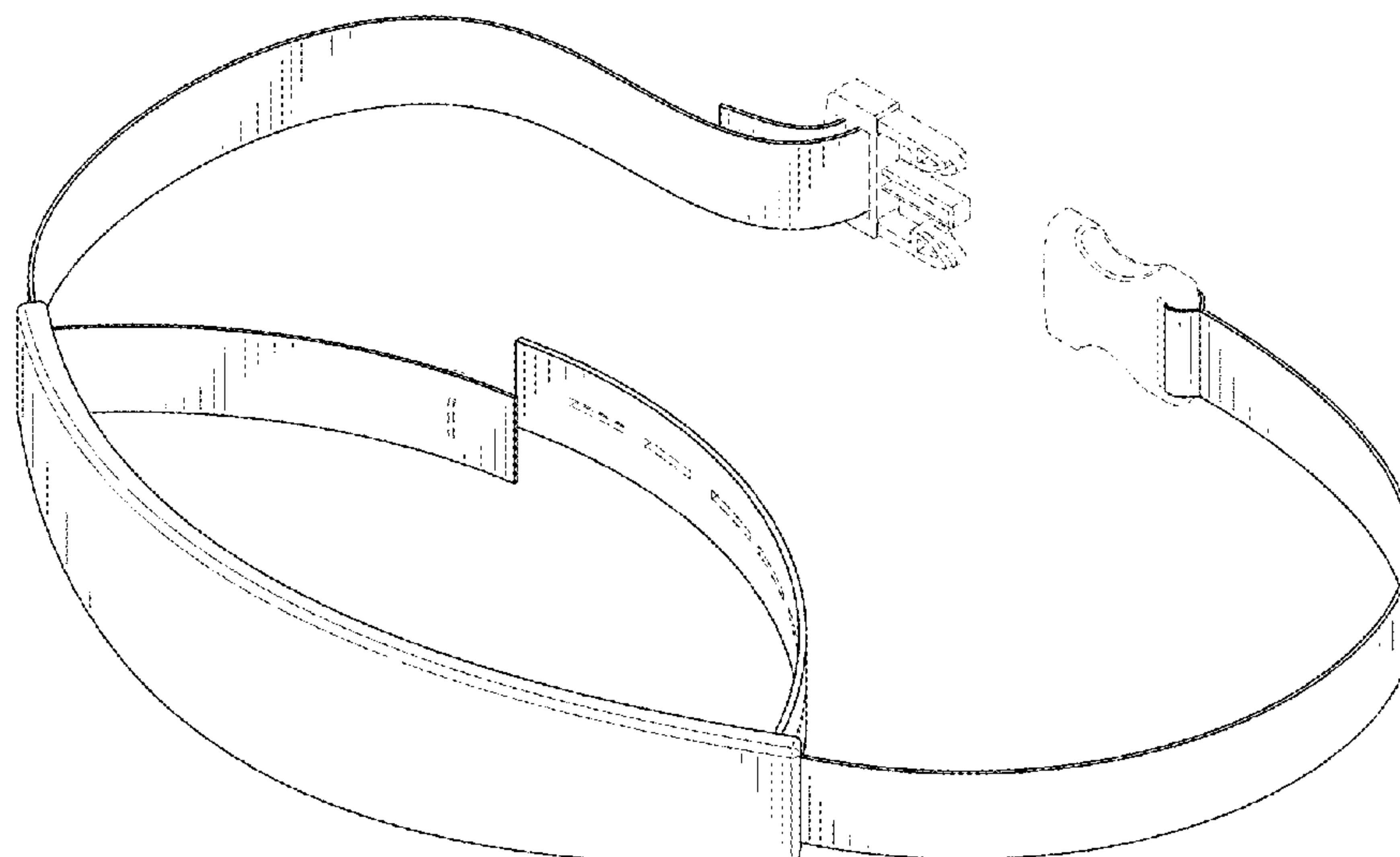
FIG. 16 is a top plan view thereof;

FIG. 17 is a bottom plan view thereof; and,

FIG. 18 is similar to FIG. 1, but the protective head band in a second state.

The broken lines illustrate portions of the protective head band that form no part of the claimed design.

**1 Claim, 18 Drawing Sheets**



(58) Field of Classification Search

CPC ..... A42B 3/00; A42B 3/04; A42B 3/0406;  
A42B 3/06; A42B 3/066; A42B 3/16;  
A42B 3/18; A42B 3/20; A42B 3/22;  
A42B 3/221; A42B 3/222; A42B 3/226;  
A42B 3/227; A42B 3/28; A42B 3/32;  
A42B 3/322; A42B 3/324; F41H 1/00;  
F41H 1/04; F41H 1/06; F41H 1/08; A63B  
2243/007

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

4,742,581 A \* 5/1988 Rosenthal ..... A41D 20/005  
2/170  
D296,930 S \* 7/1988 Carabelli ..... D24/190  
D336,566 S \* 6/1993 Desjardins ..... D24/190  
D339,428 S \* 9/1993 Swinea ..... D29/102  
D377,241 S \* 1/1997 Kenner ..... D24/190  
6,438,761 B1 \* 8/2002 McGarrity ..... A42B 3/00  
2/171

D550,847 S \* 9/2007 Kixmiller ..... A42B 3/00  
D24/190  
D595,416 S \* 6/2009 Kovacs ..... D24/189  
D815,390 S \* 4/2018 Adrianse ..... A42B 3/00  
D2/627  
D831,221 S \* 10/2018 Smith ..... D24/190  
2005/0177925 A1 \* 8/2005 Peeples ..... A41D 23/00  
2/321

OTHER PUBLICATIONS

IMG Bin, “Belt Headband Hook And Loop Fastener”, first available Aug. 13, 2018. (<https://imgbin.com/png/KED4tp3z/belt-headband-hook-and-loop-fastener-svettband-buckle-png>) (Year: 2018).\*  
Prusa Printers Forum, “Headband with strap buckle”, first available May 4, 2020. (<https://forum.prusaprinters.org/forum/coronavirus-covid-19/headband-with-strap-buckle/>) (Year: 2020).\*  
Universal Medical, “Padded Rubber Patient Restraint Strap with Buckles and Hooks”, first accessed Apr. 2, 2021. (<https://www.universalmedicalinc.com/padded-rubber-patient-restraint-strap-with-buckles-and-hooks.html>) (Year: 2021).\*

\* cited by examiner

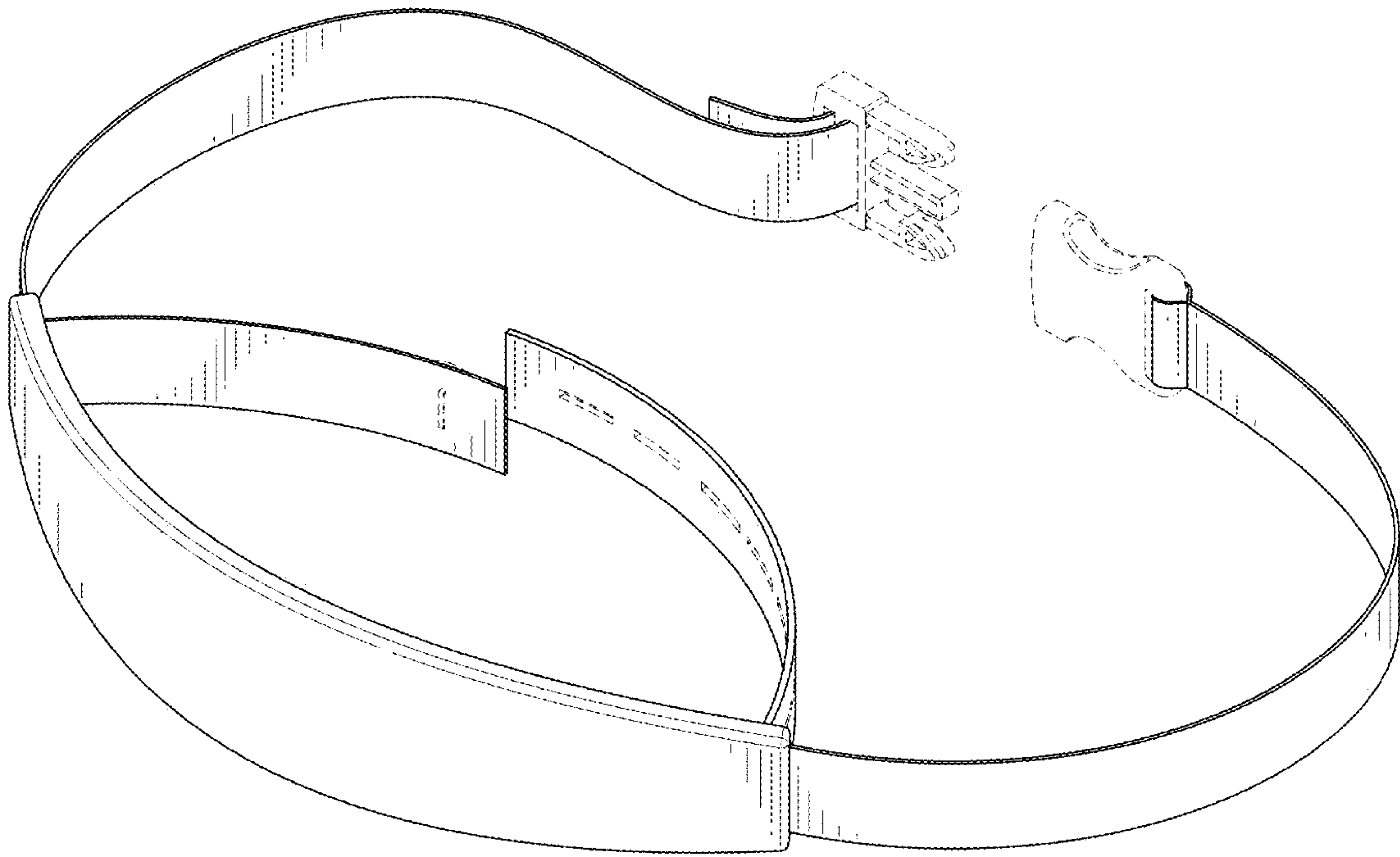


FIG. 1

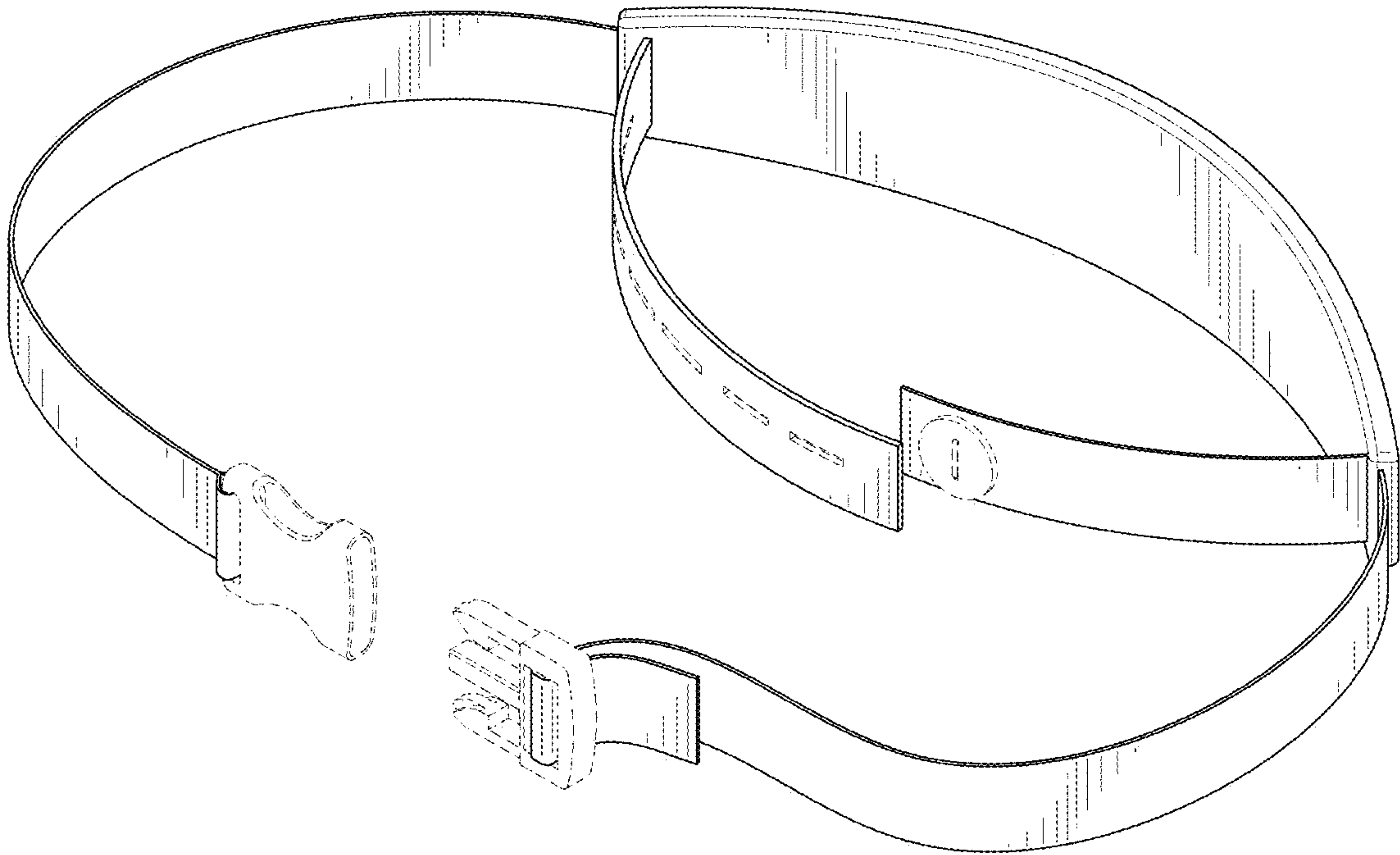


FIG. 2

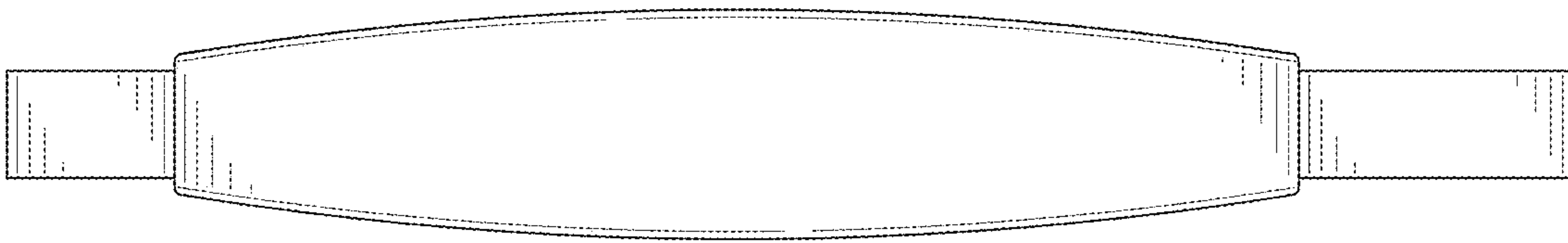


FIG. 3

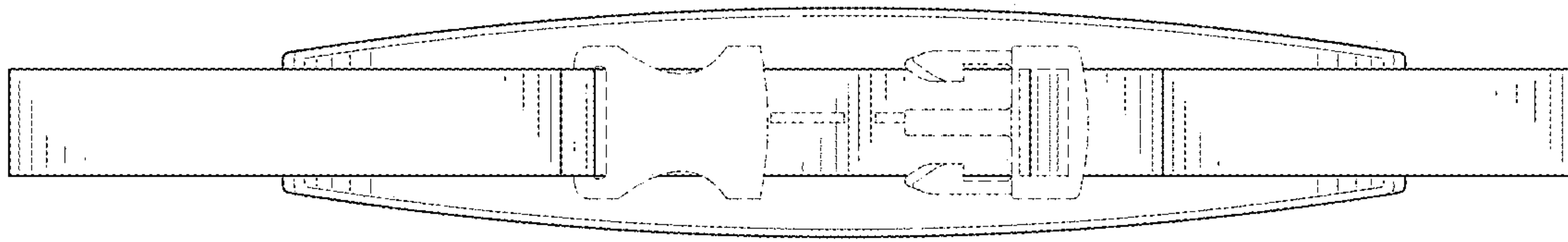


FIG. 4

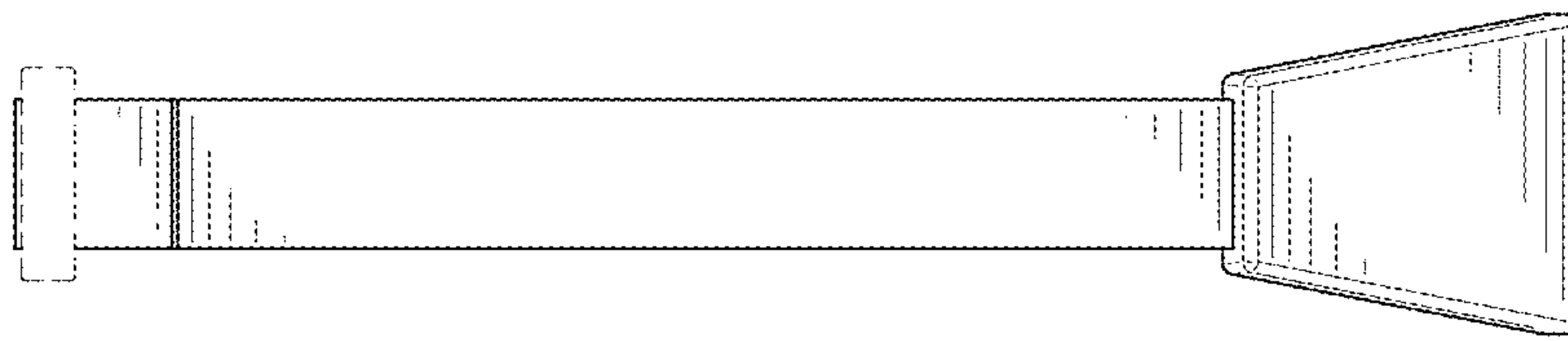


FIG. 5

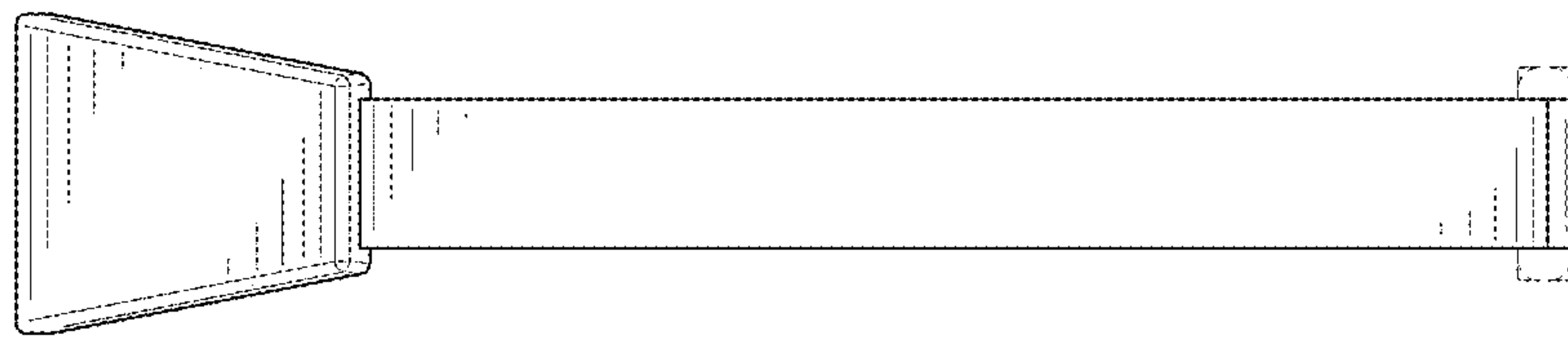


FIG. 6

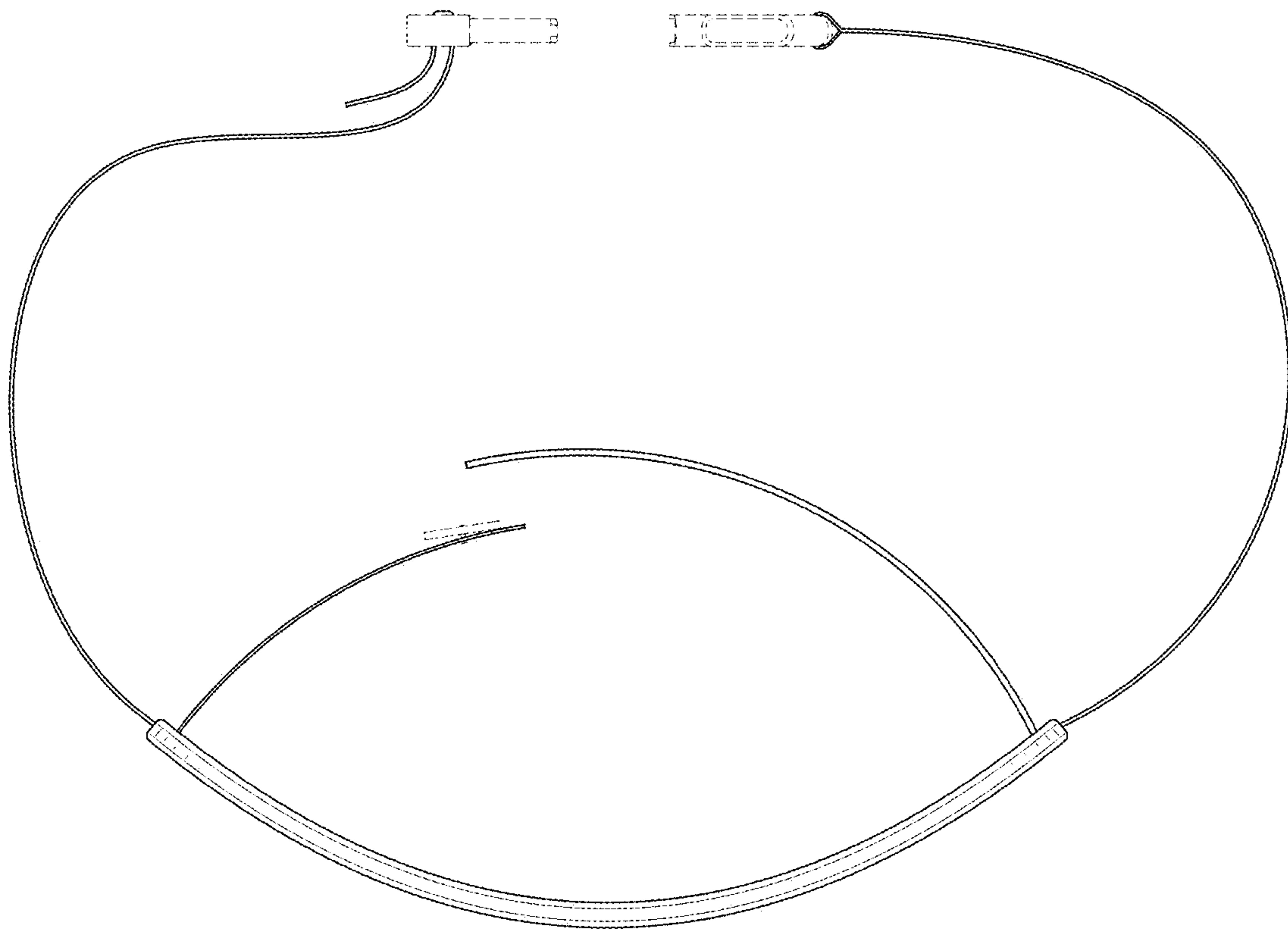


FIG. 7

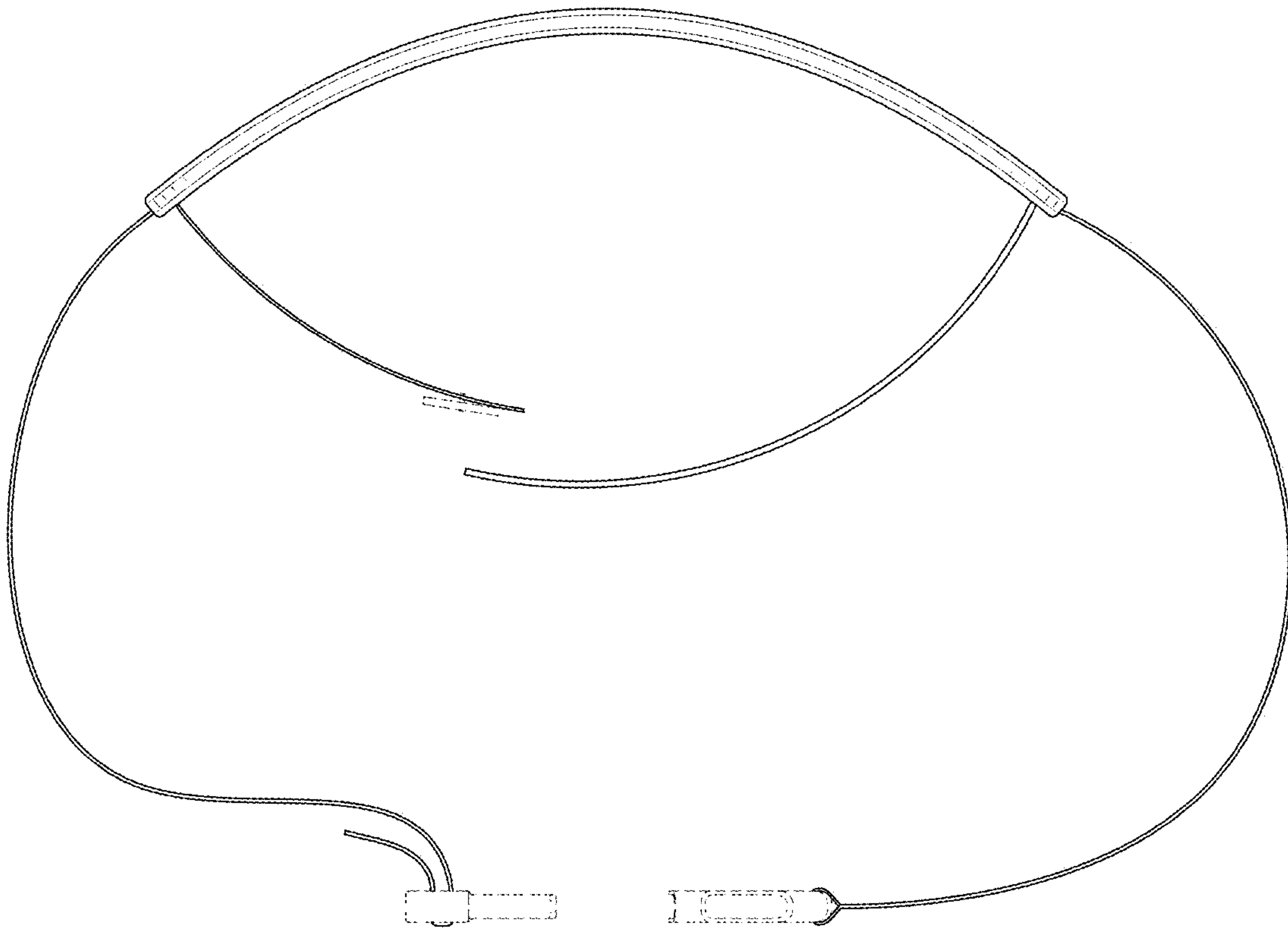


FIG. 8

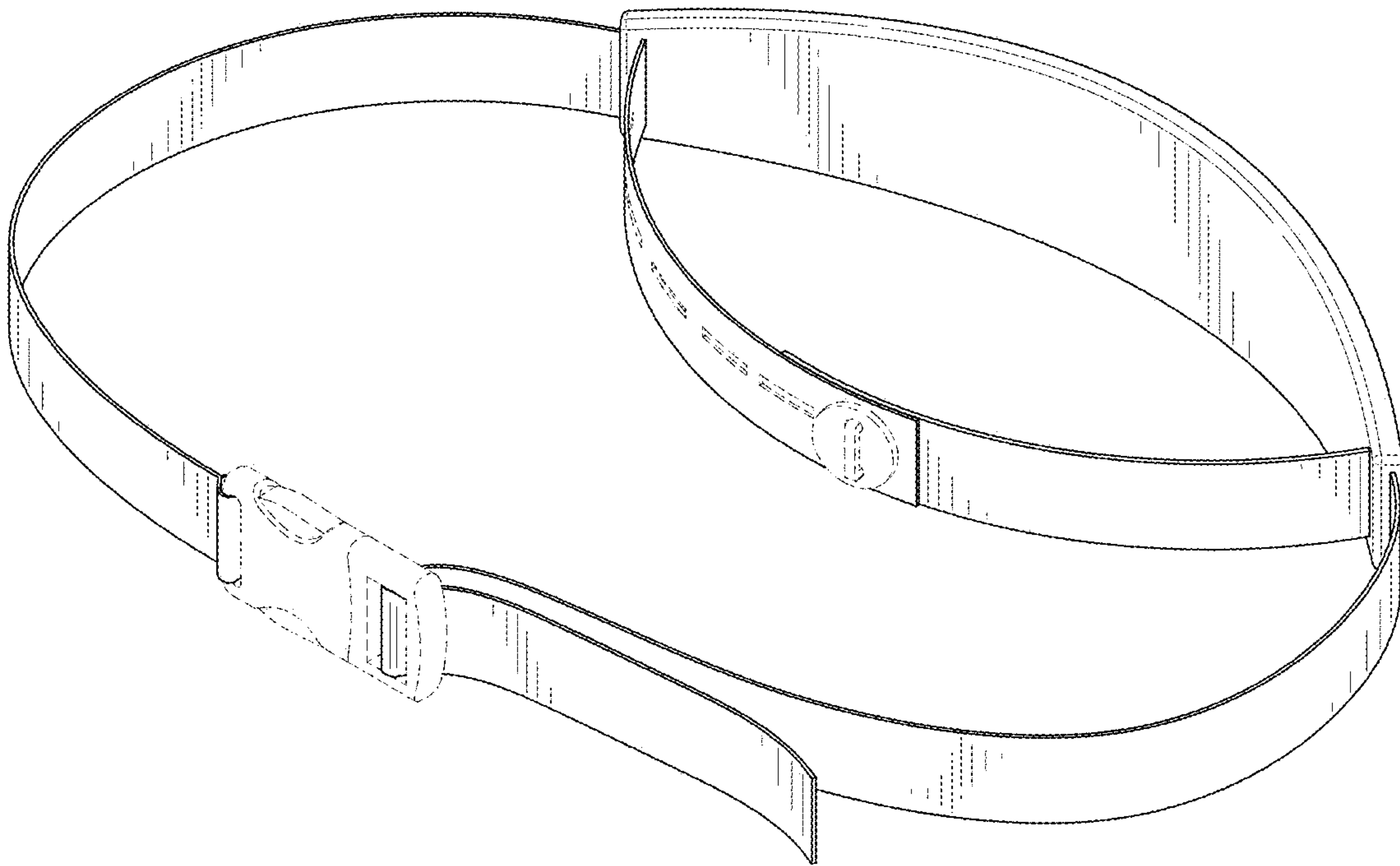


FIG. 9

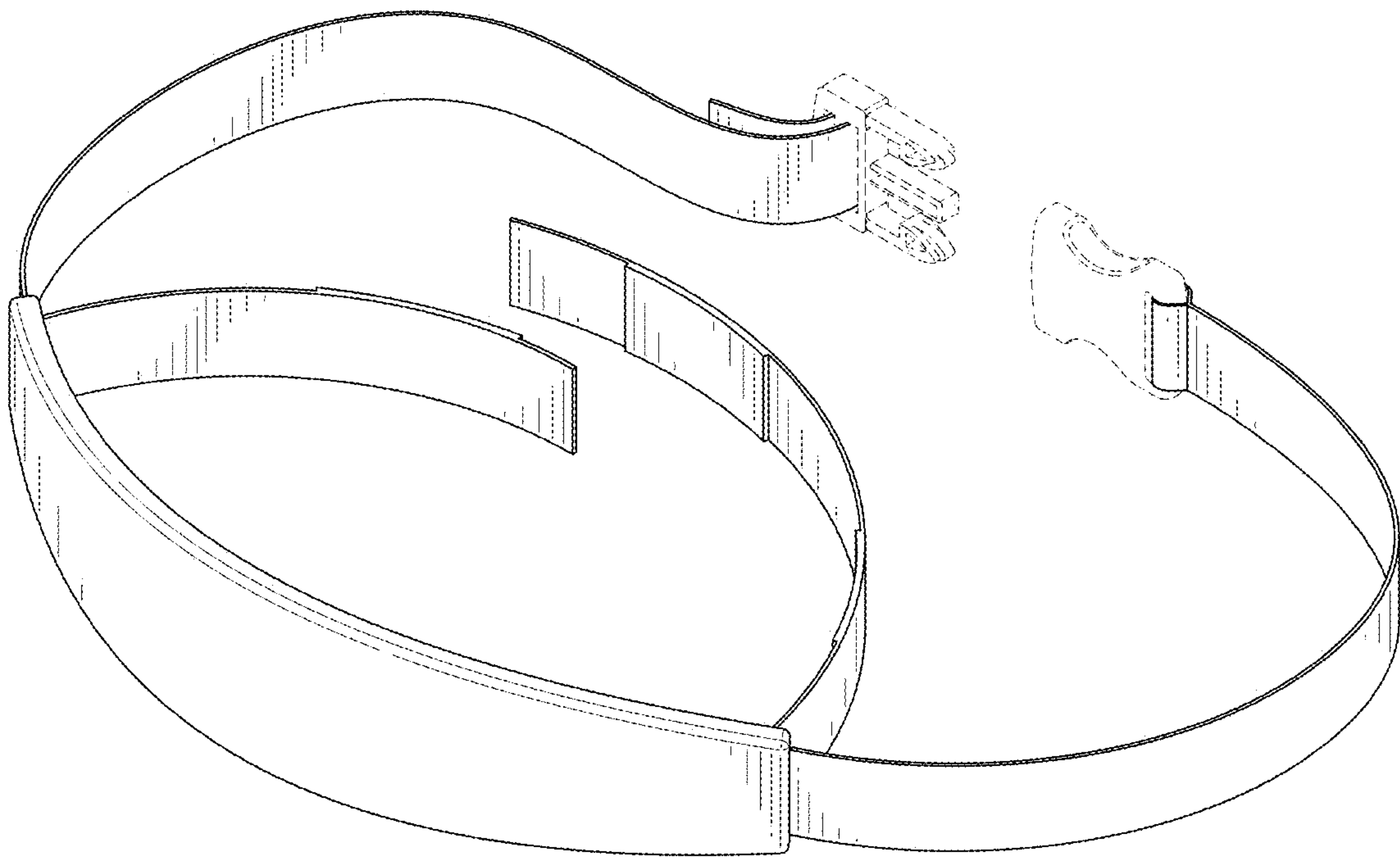


FIG. 10

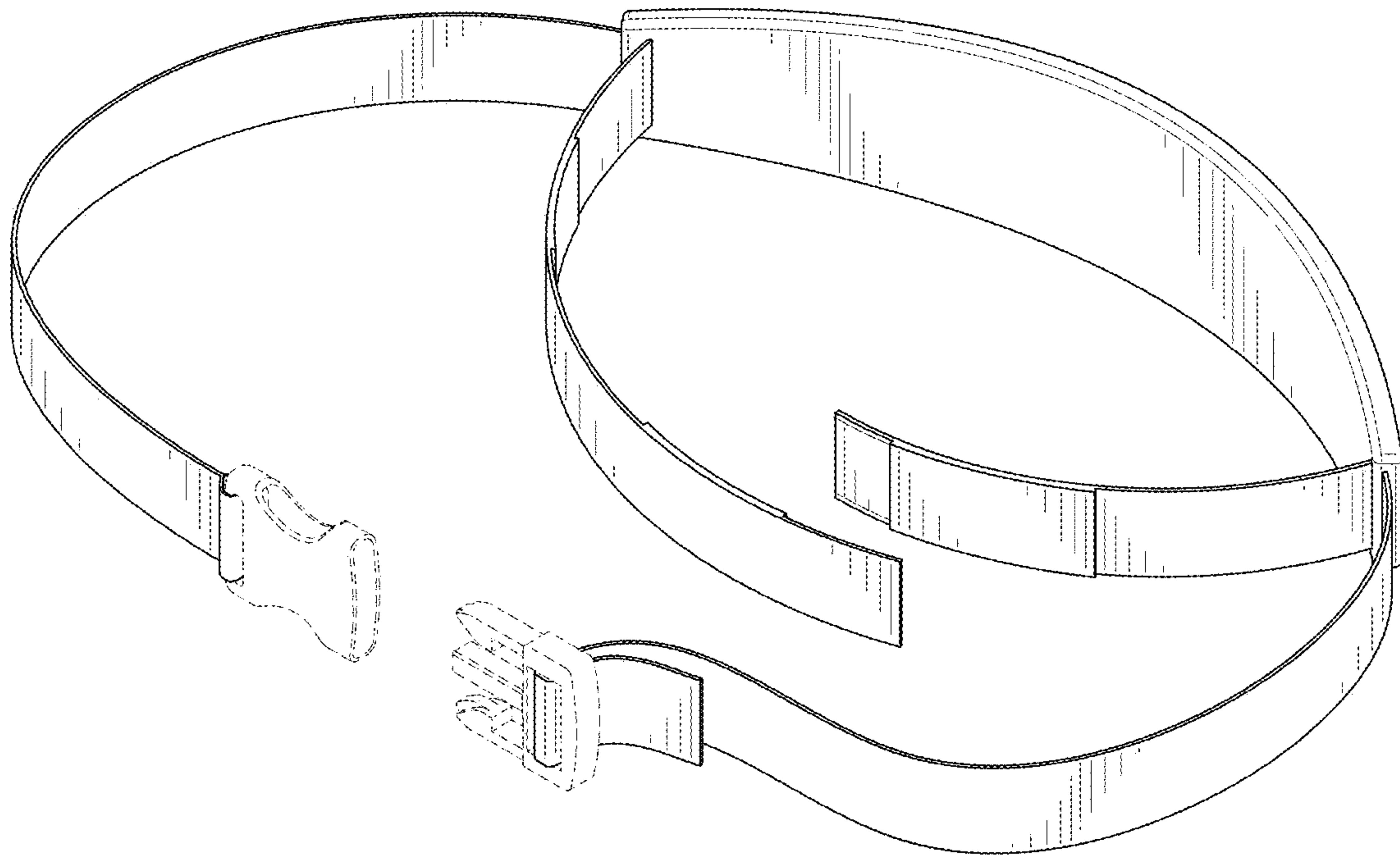


FIG. 11

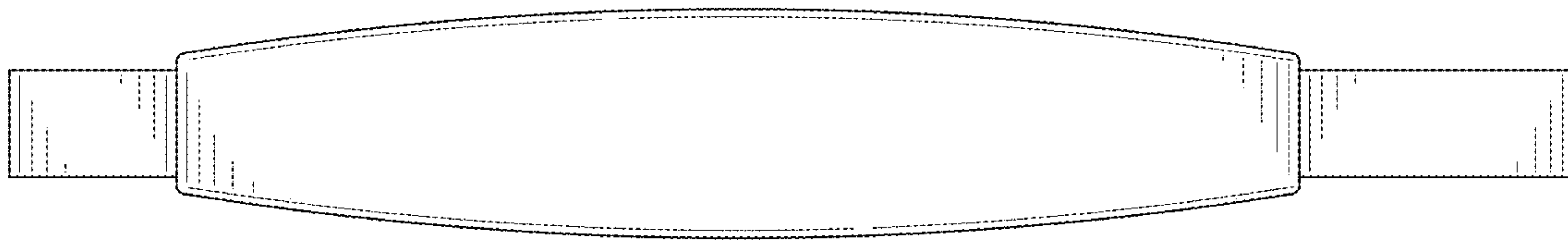


FIG. 12

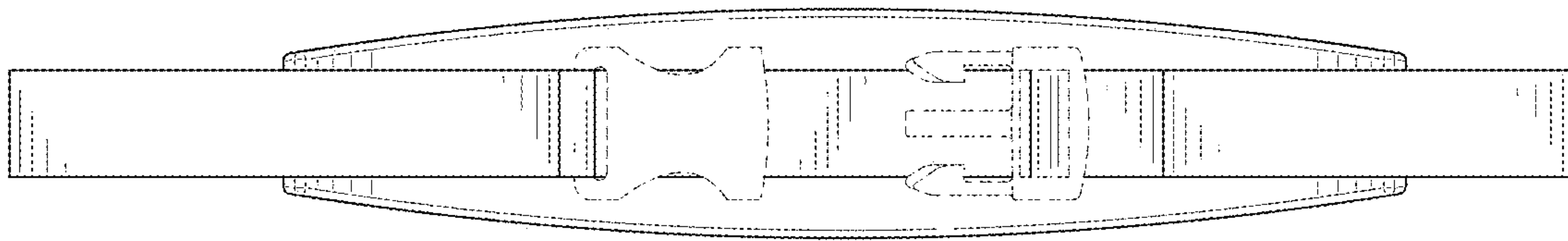


FIG. 13

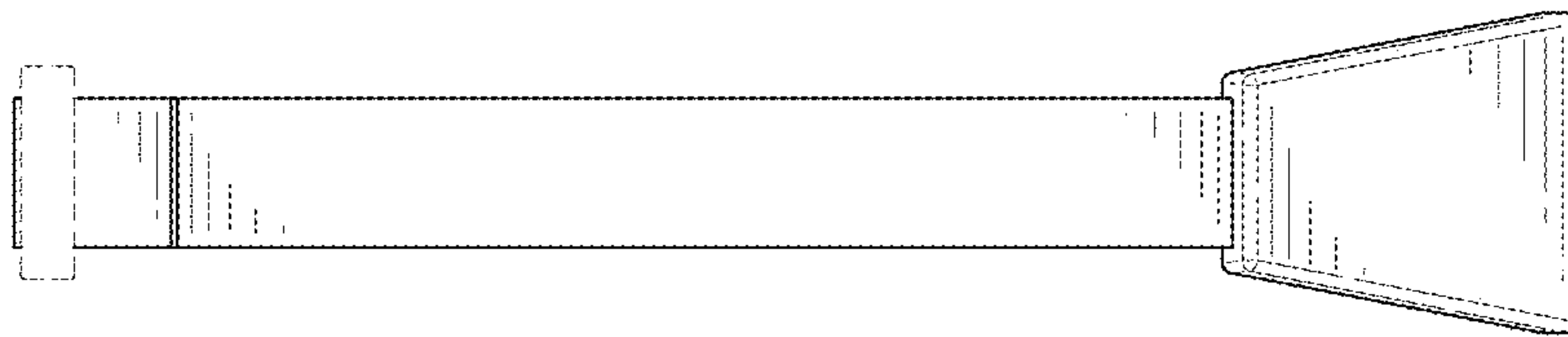


FIG. 14

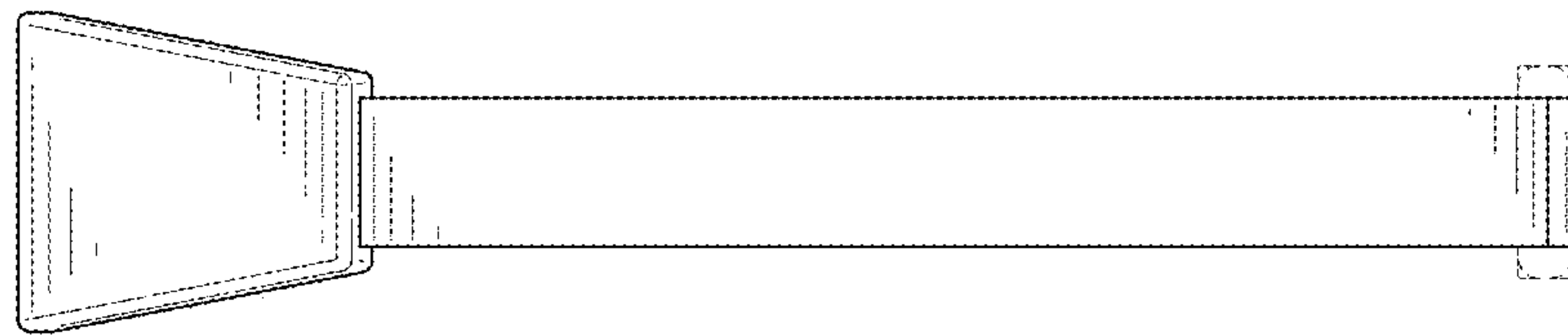


FIG. 15

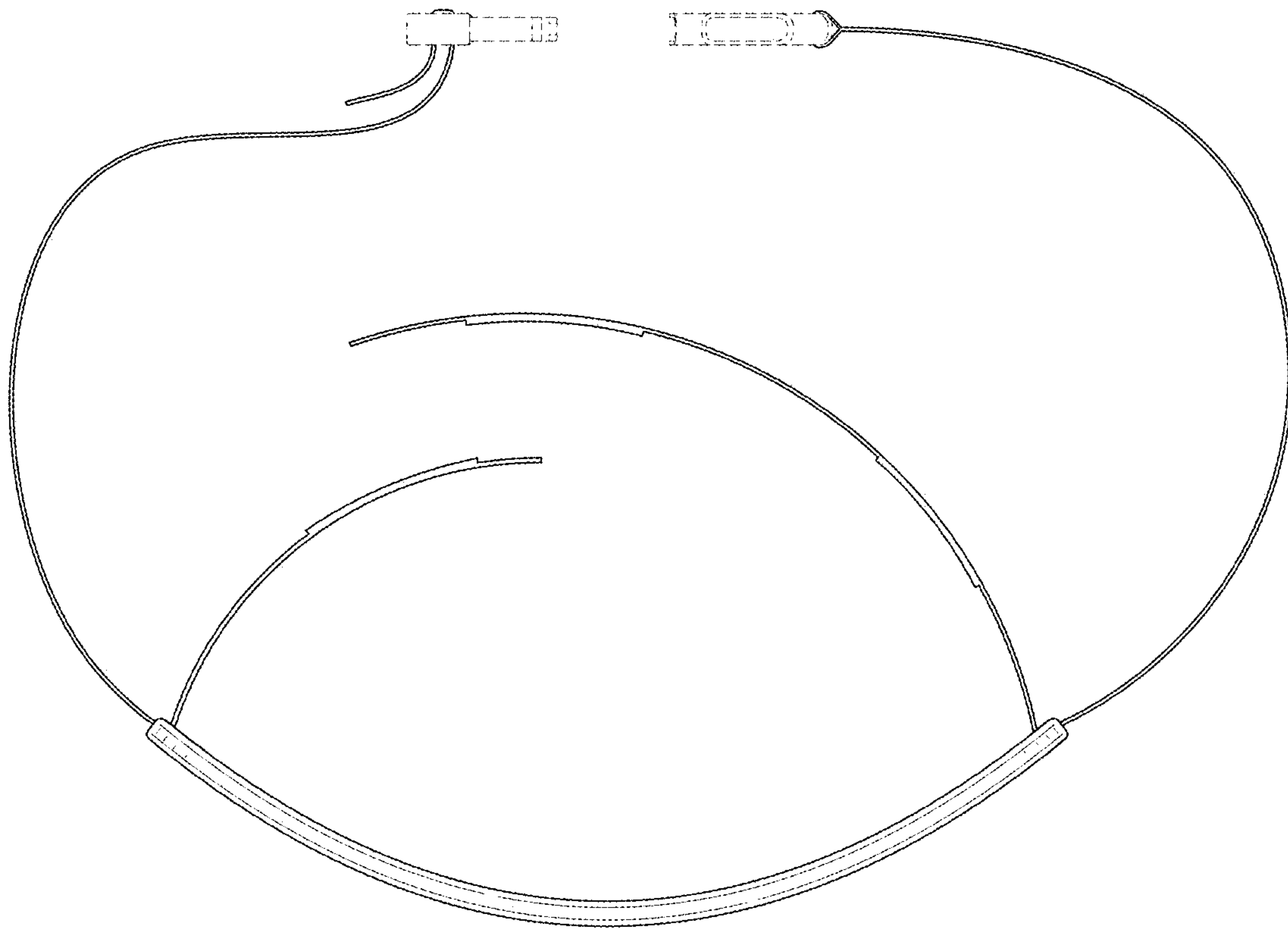


FIG. 16

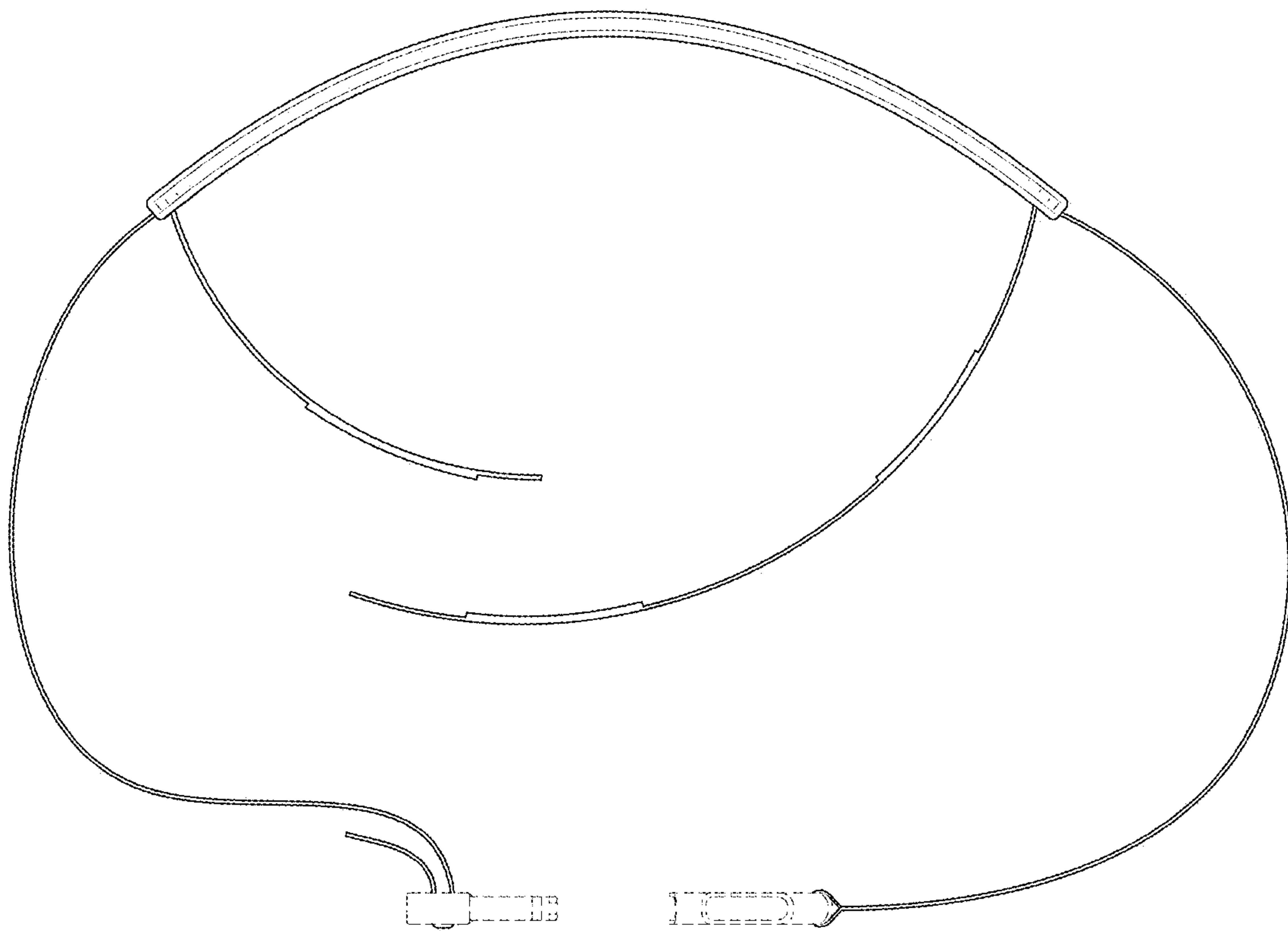


FIG. 17

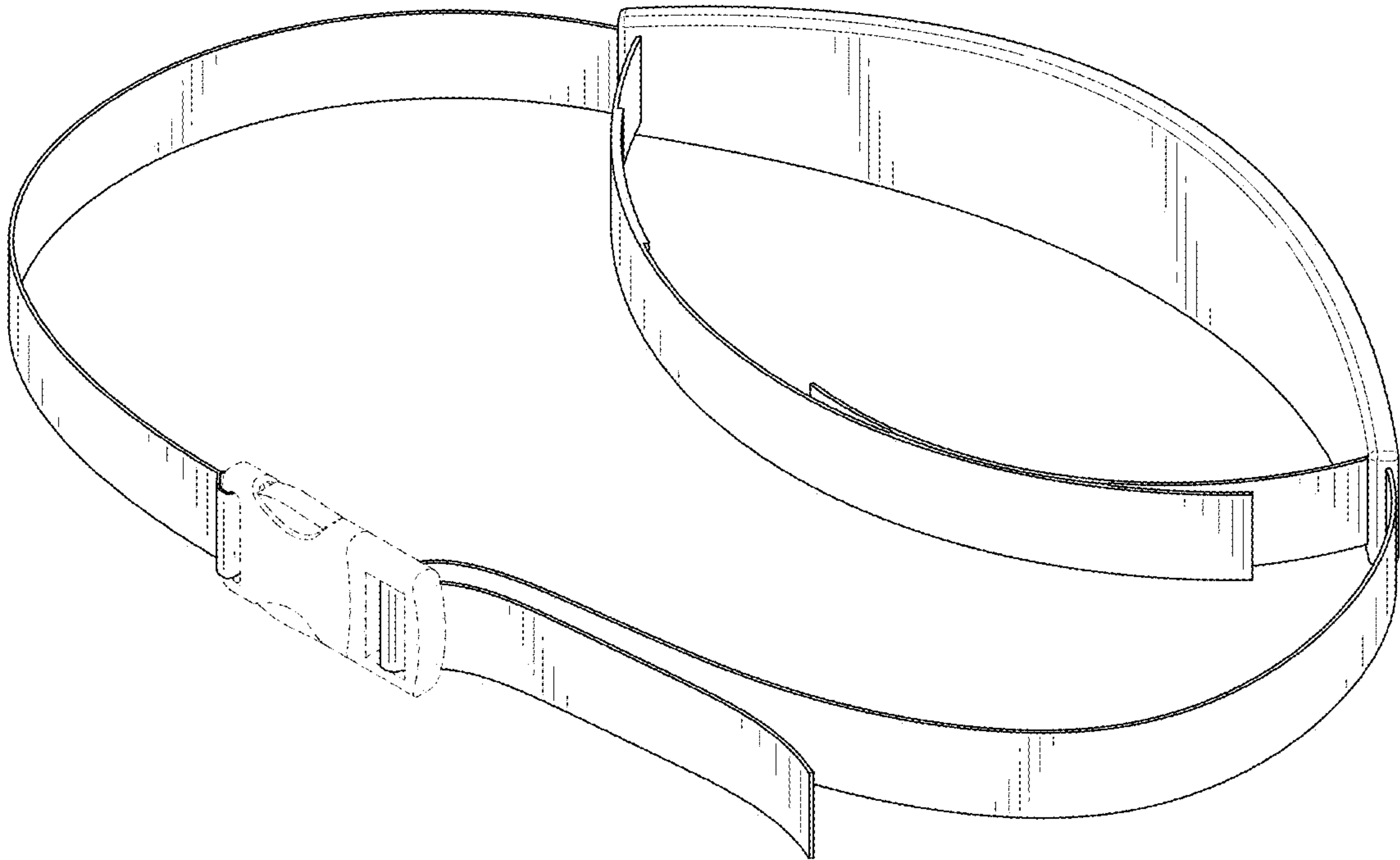


FIG. 18