



US00D950709S

(12) **United States Design Patent**  
**Holyoake et al.**

(10) **Patent No.:** **US D950,709 S**

(45) **Date of Patent:** **\*\* May 3, 2022**

- (54) **CANNULA ASSEMBLY**
- (71) Applicant: **Fisher & Paykel Healthcare Limited**,  
Auckland (NZ)
- (72) Inventors: **Bruce Gordon Holyoake**, Auckland  
(NZ); **Cormac Nicholas Flynn**,  
Auckland (NZ); **Aidan Robert  
Burgess**, Auckland (NZ); **Nathan  
James Roa**, Auckland (NZ)
- (73) Assignee: **Fisher & Paykel Healthcare Limited**,  
Auckland (NZ)

|              |         |         |       |           |
|--------------|---------|---------|-------|-----------|
| D849,933 S * | 5/2019  | Collazo | ..... | D24/110.4 |
| D851,750 S * | 6/2019  | Collazo | ..... | D24/110.1 |
| D863,544 S * | 10/2019 | Collazo | ..... | D24/110.2 |
| D885,559 S * | 5/2020  | Gabriel | ..... | D24/110.1 |

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

(21) Appl. No.: **29/701,777**

(22) Filed: **Aug. 14, 2019**

(51) **LOC (13) Cl.** ..... **29-02**

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

(58) **Field of Classification Search**  
 USPC ..... D24/110–110.6, 127, 129, 112; D29/110  
 CPC ..... A61M 16/0616; A61M 16/0633; A61M  
 16/06; A61M 16/0666; A61M 16/0683;  
 A61M 16/0605; A61M 16/0622; A61M  
 16/0644; A61M 16/0875; A61M 16/0816;  
 A61M 16/08; A61M 16/0672; A61M  
 2202/0208; B63C 11/205; B63C 11/16;  
 B63C 11/186; B63C 11/12

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

|              |        |          |       |           |
|--------------|--------|----------|-------|-----------|
| D597,200 S * | 7/2009 | Grimsley | ..... | D24/110.1 |
| D811,581 S * | 2/2018 | Danford  | ..... | D24/110.1 |
| D828,917 S * | 9/2018 | Prentice | ..... | D24/110.4 |
| D841,149 S * | 2/2019 | Collazo  | ..... | D24/110.1 |
| D841,150 S * | 2/2019 | Collazo  | ..... | D24/110.1 |

**OTHER PUBLICATIONS**

Optiflow™ + Nasal Cannula Interface, posted at fphcare.com, earliest date available on Jun. 24, 2018, [online], acquired on Nov. 18, 2021, Available on internet. url:https://www.fphcare.com/us/hospital/adult-respiratory/optiflow/optiflow-plus-nasal-cannula/ (Year: 2018).\*

\* cited by examiner

*Primary Examiner* — Sheryl Lane

*Assistant Examiner* — Aula Soroush

(74) *Attorney, Agent, or Firm* — Knobbe, Martens, Olson & Bear, LLP

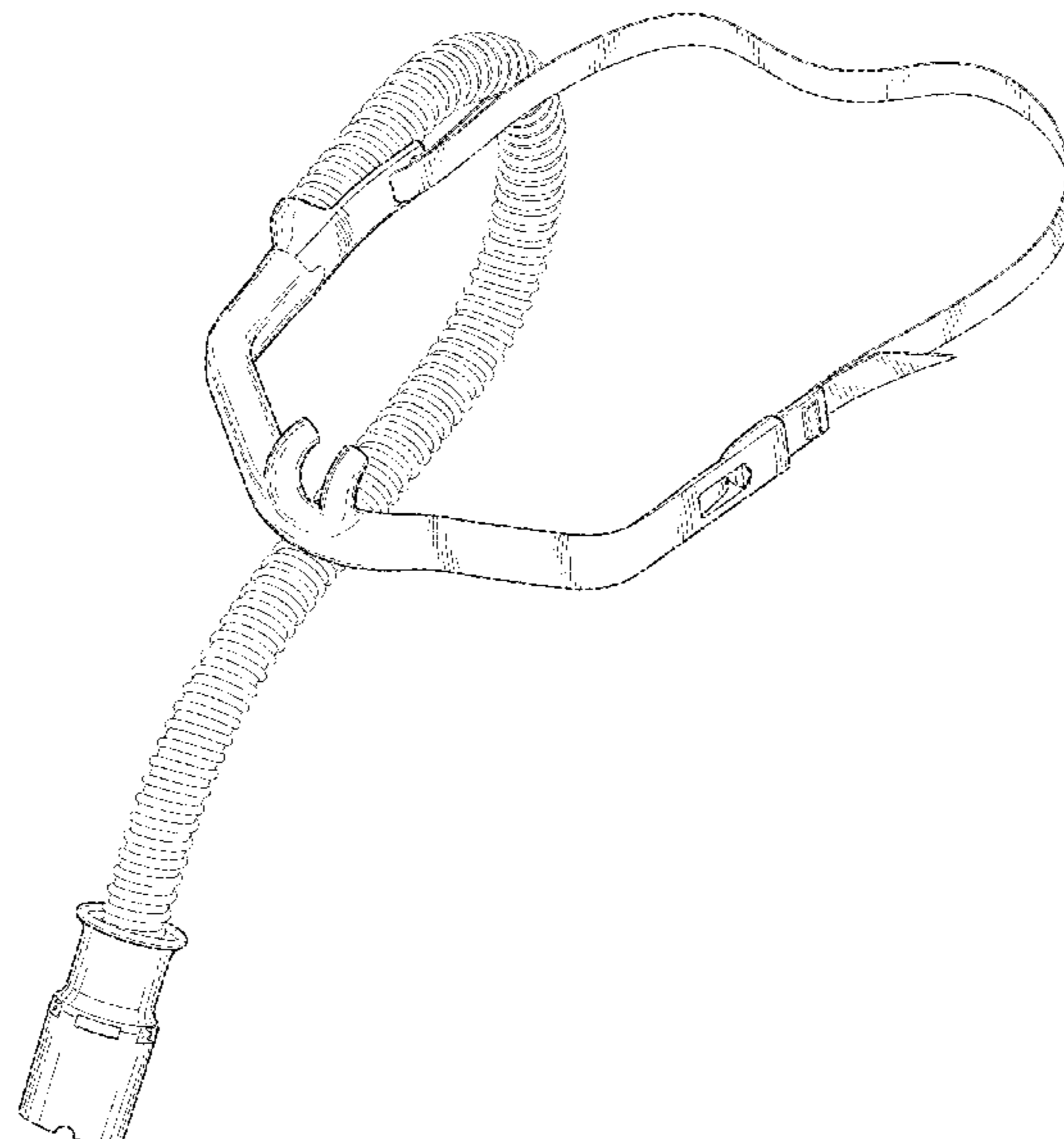
(57) **CLAIM**

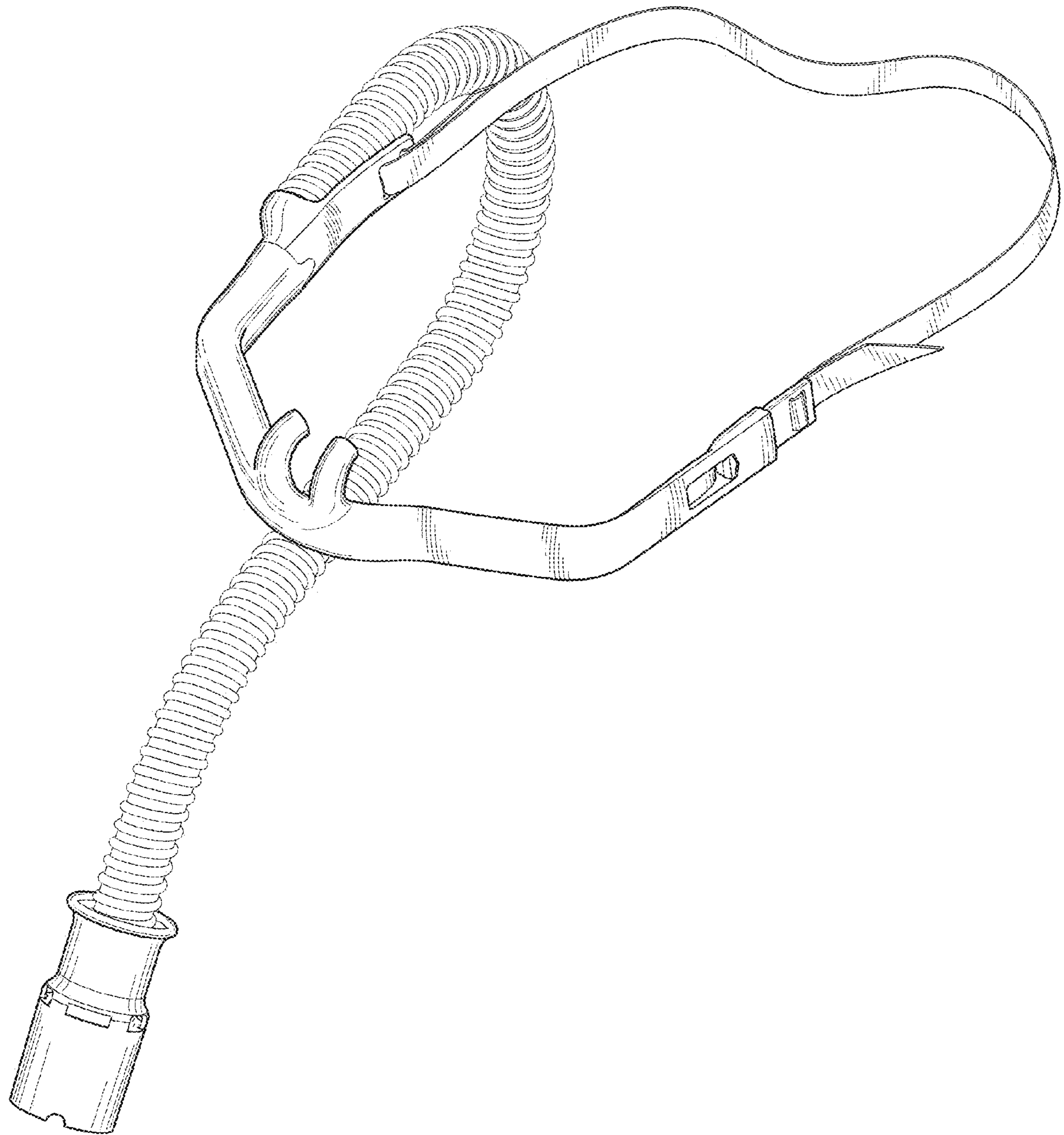
The ornamental design for a cannula assembly, as shown and described.

**DESCRIPTION**

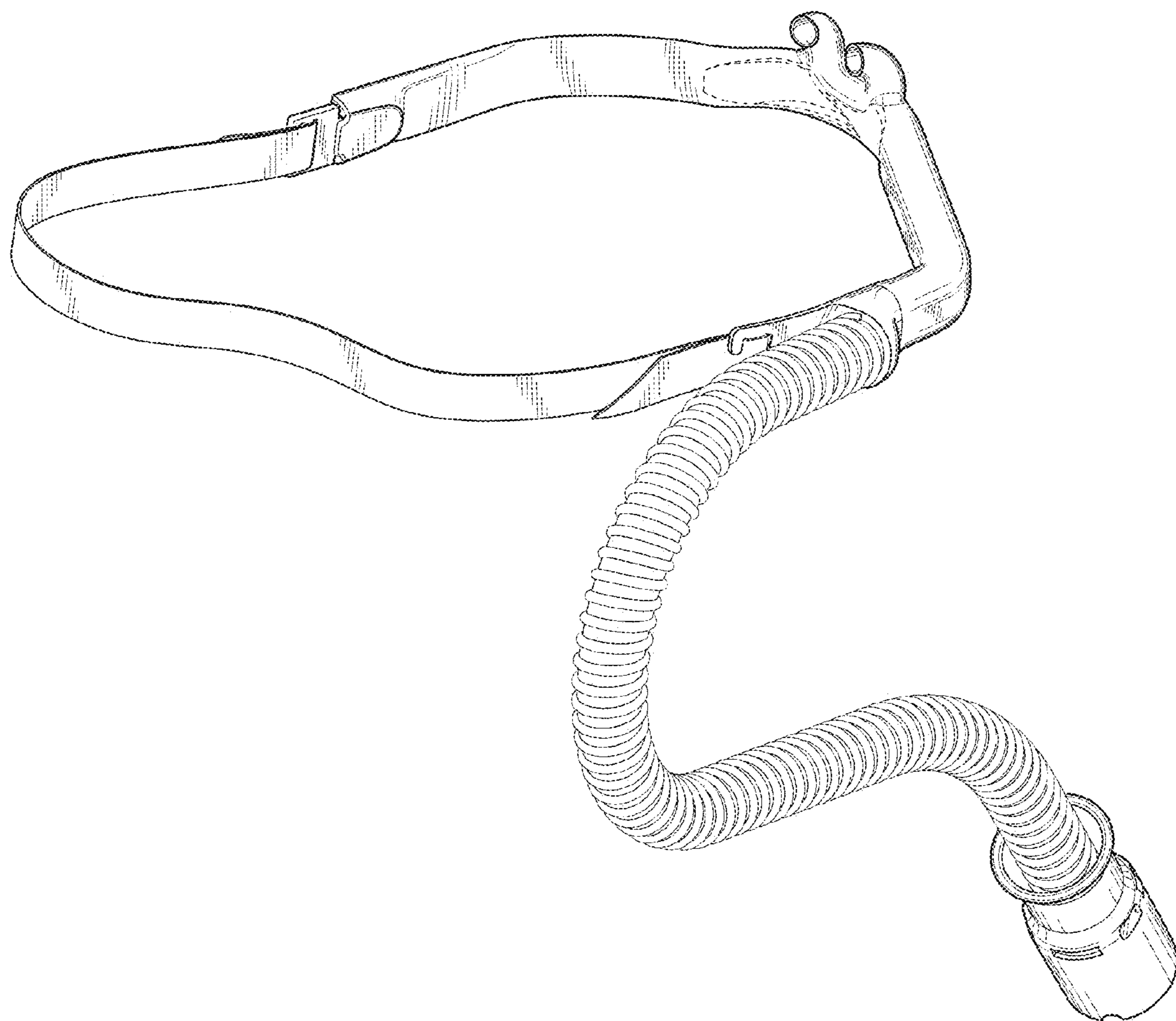
FIG. 1 is a top, front, and right side perspective view of a cannula assembly embodying our new design.  
 FIG. 2 is a rear, top, and left side perspective view thereof.  
 FIG. 3 is a front elevation view thereof.  
 FIG. 4 is a rear elevation view thereof.  
 FIG. 5 is a left side elevation view thereof.  
 FIG. 6 is a right side elevation view thereof.  
 FIG. 7 is a top plan view thereof; and,  
 FIG. 8 is a bottom plan view thereof.  
 The references to “left,” “right,” “front,” “rear,” “top,” and “bottom” in the figure descriptions are not meant to require certain in-use orientation; the cannula assembly according to the claim design may be used in any orientation.  
 Broken lines are used to illustrate features of the cannula assembly which form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**

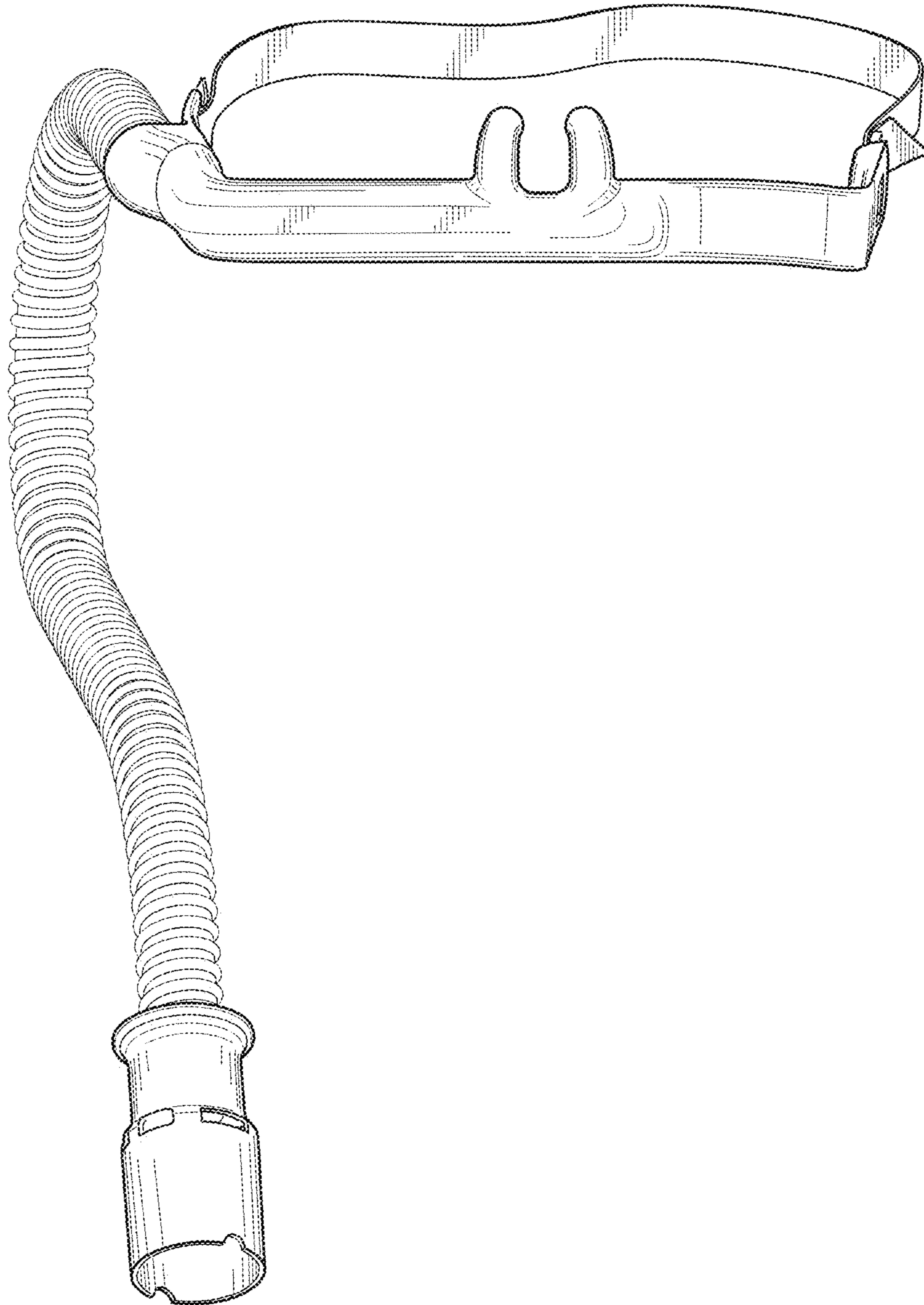




**FIG. 1**

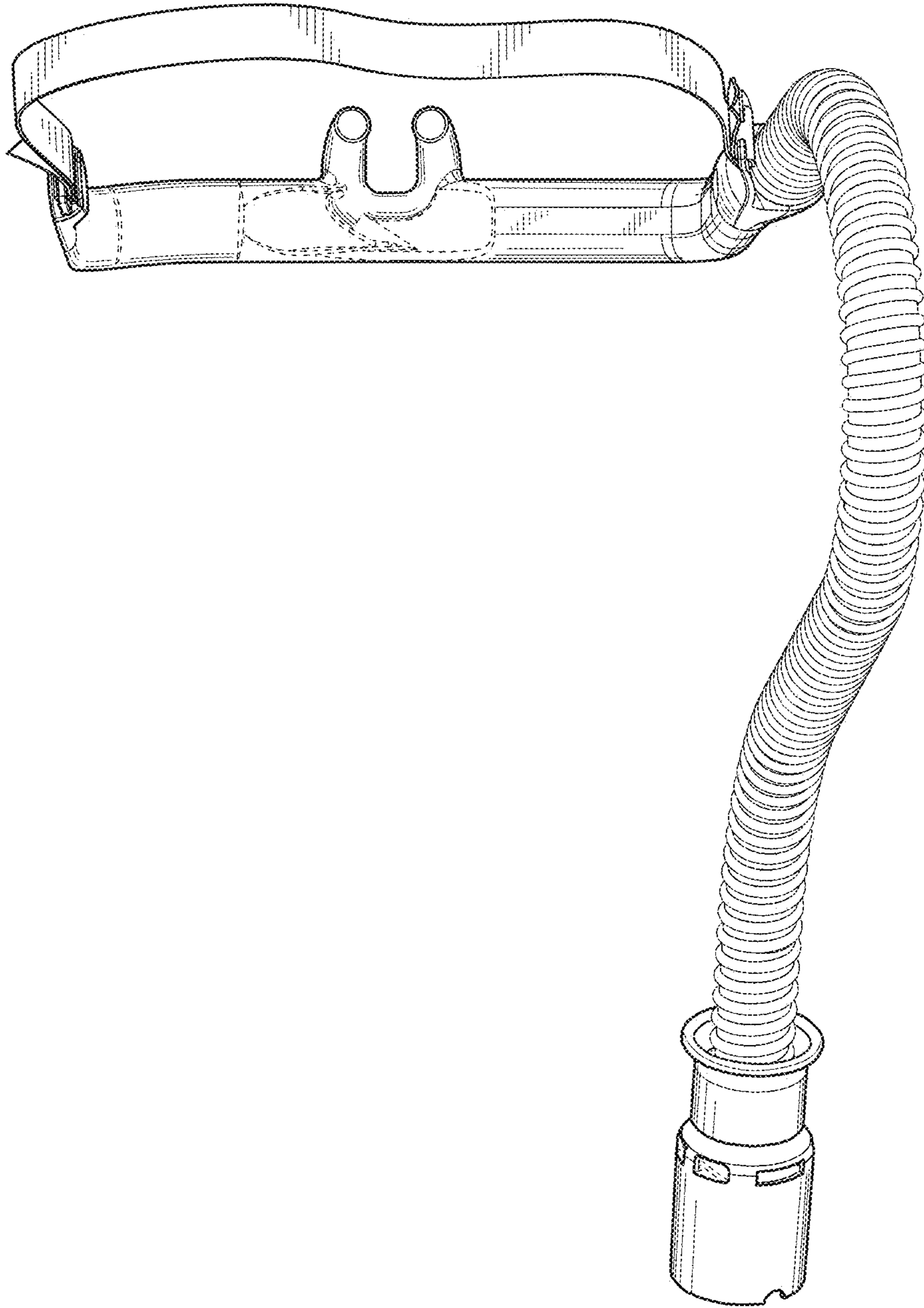


**FIG. 2**

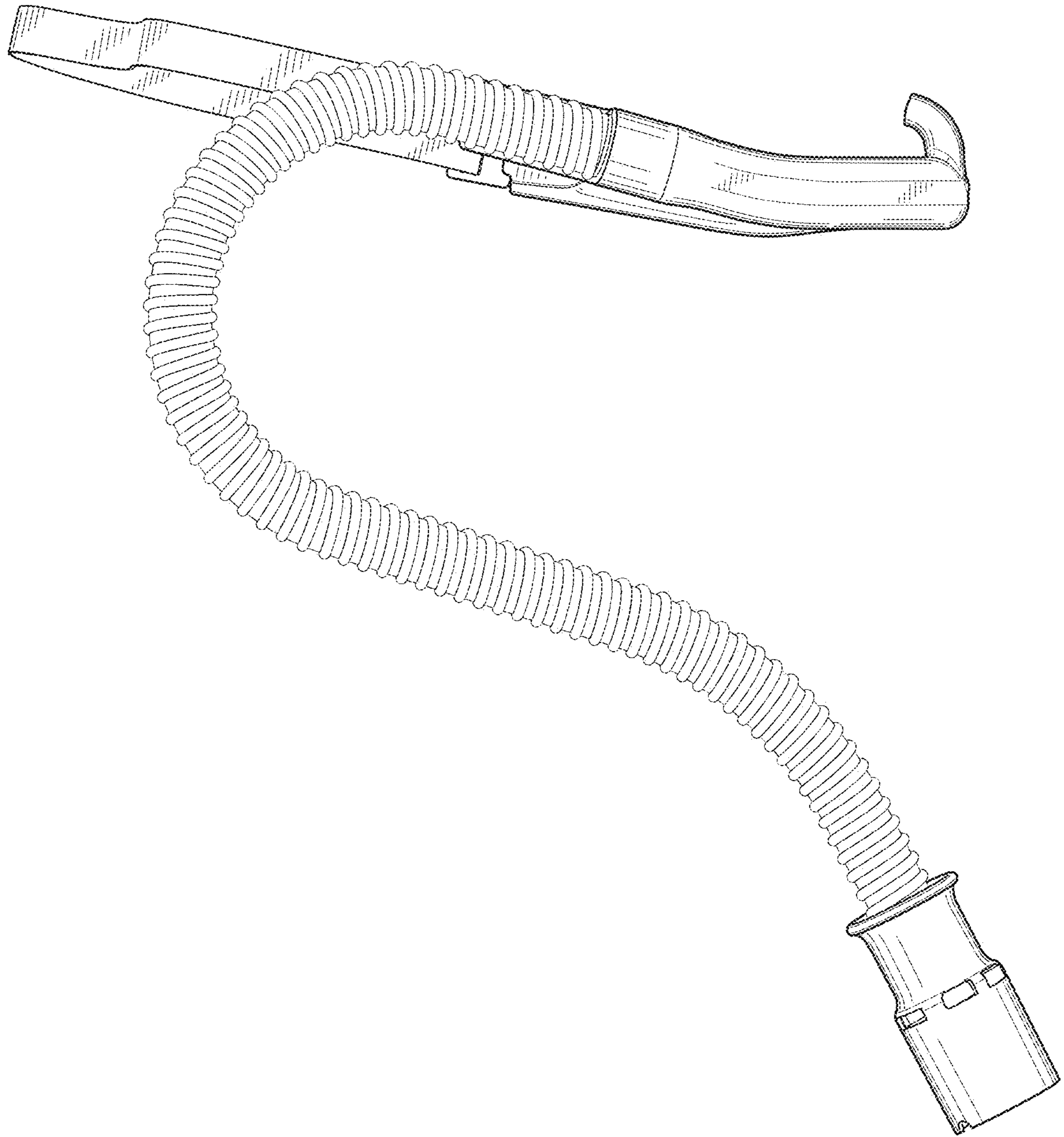


*FIG. 3*

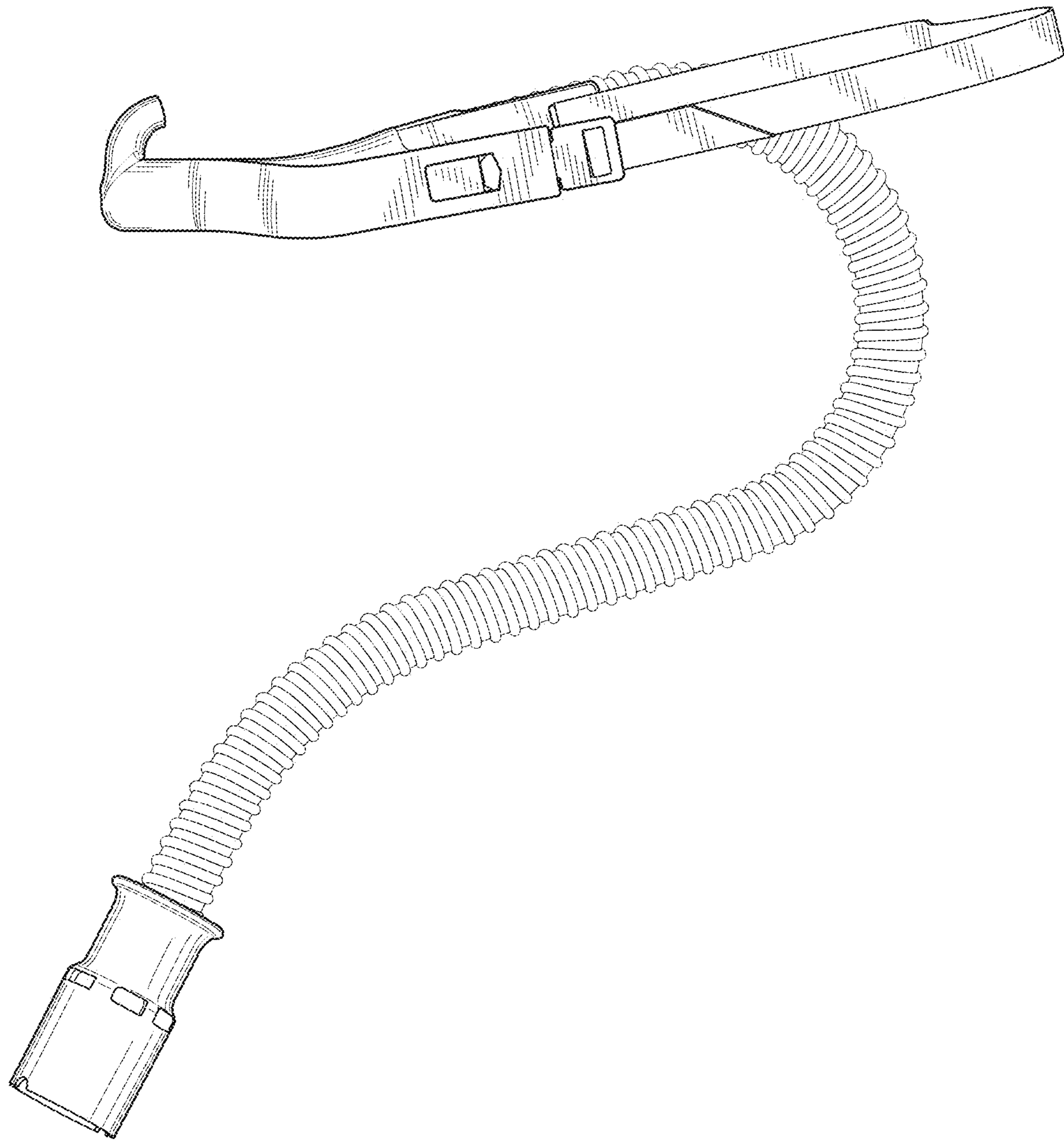




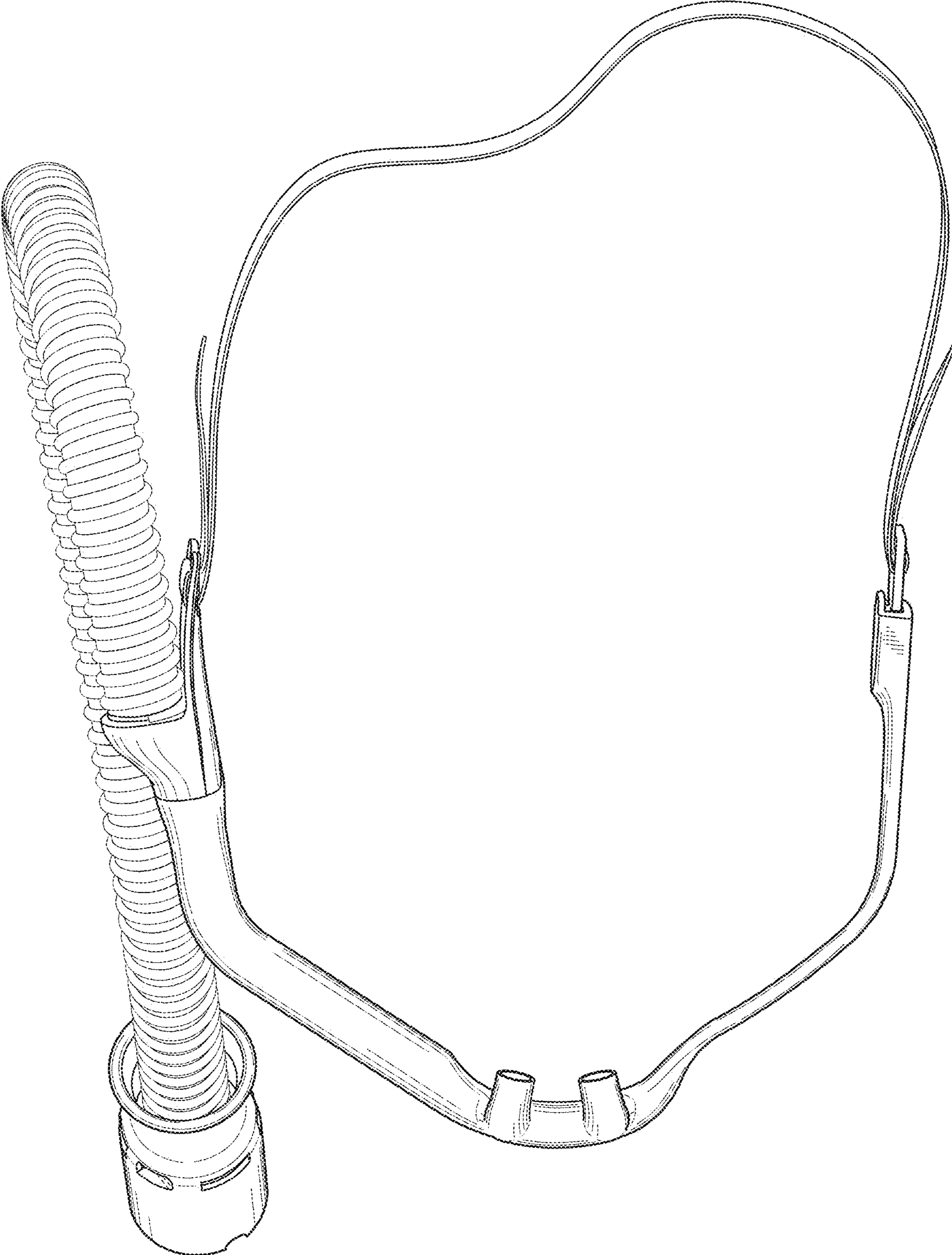
**FIG. 4**



**FIG. 5**

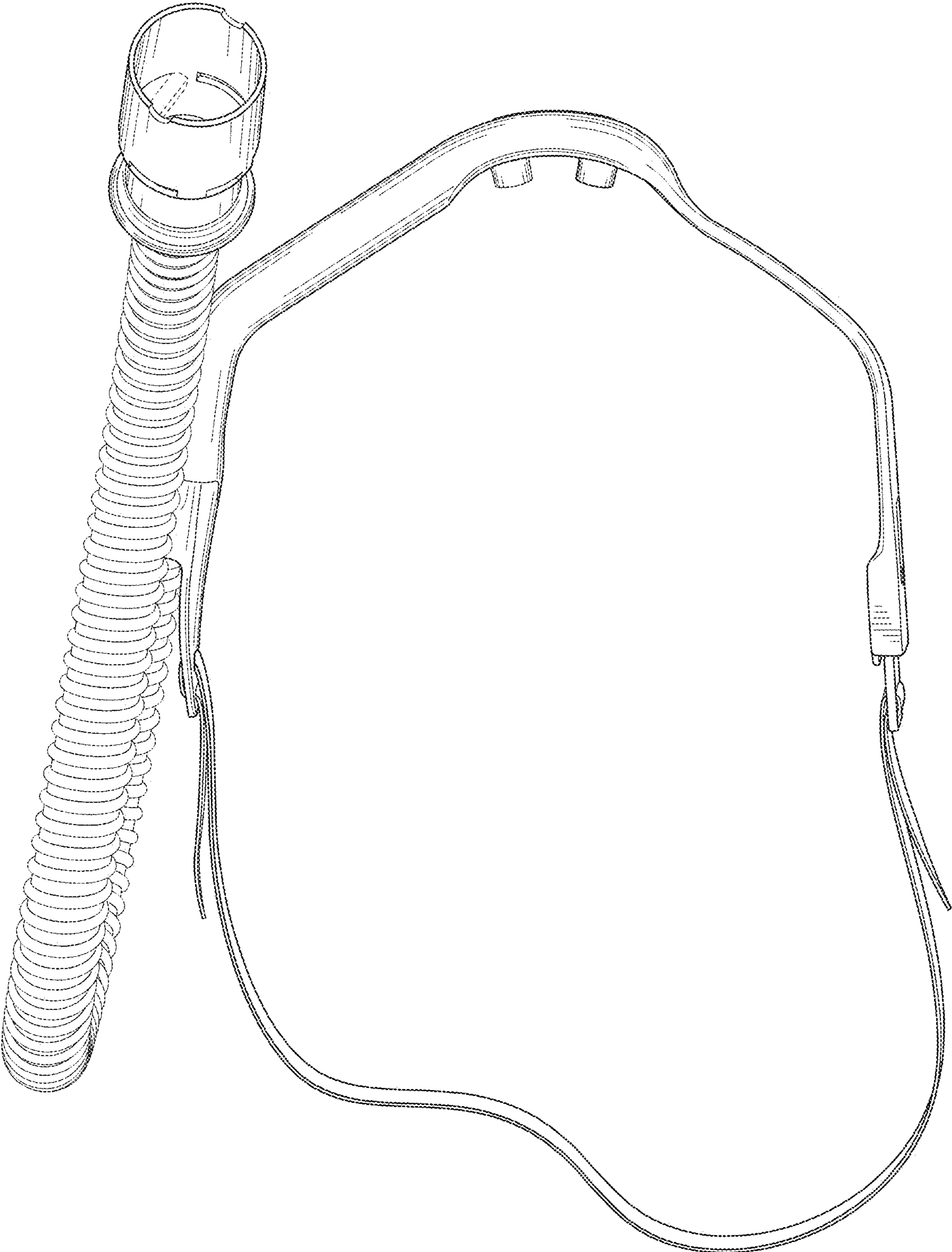


**FIG. 6**



**FIG. 7**





**FIG. 8**