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(12) **United States Design Patent** (10) **Patent No.:** **US D1,134,874 S**
Mahani (45) **Date of Patent:** **** *Jul. 14, 2026**

(54) **ORTHODONTIC ORAL APPLIANCE WITH ANTERIOR BITE PLATE TO EASE AND MAXIMIZE VERTICAL ELASTIC FUNCTION OF RUBBER BANDS IN SAGITTAL PLANE TOOTH MOVEMENTS**

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(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/848,104**

(22) Filed: **Jul. 29, 2022**

(51) **LOC (15) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/181**

(58) **Field of Classification Search**
USPC D24/176, 178, 108, 180, 181, 182;
D29/108

(Continued)

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(74) *Attorney, Agent, or Firm* — Barry Choobin; Patent 360

(57) **CLAIM**

The ornamental design for a orthodontic oral appliance with anterior bite plate to ease and maximize vertical elastic

function of rubber bands in sagittal plane tooth movements, substantially as shown and described.

DESCRIPTION

FIG. 1 is a top, left-side perspective view of the complete orthodontic oral appliance with anterior bite plate to ease and maximize vertical elastic function of rubber bands in sagittal plane tooth movements, assembled on dental casts. FIG. 2 is a bottom, right-side perspective view of the complete orthodontic oral appliance with anterior bite plate to ease and maximize vertical elastic function of rubber bands in sagittal plane tooth movements, assembled on dental casts.

FIG. 3 is a top, left-side perspective view of the complete orthodontic oral appliance with anterior bite plate to ease and maximize vertical elastic function of rubber bands in sagittal plane tooth movements.

FIG. 4 is a bottom, right-side perspective view of the complete orthodontic oral appliance with anterior bite plate to ease and maximize vertical elastic function of rubber bands in sagittal plane tooth movements.

FIG. 5 is a top-side view thereof;

FIG. 6 is a bottom-side view thereof;

FIG. 7 is a right-side view thereof;

FIG. 8 is a left-side view thereof;

FIG. 9 is a front-side view thereof;

FIG. 10 is a rear-side view thereof;

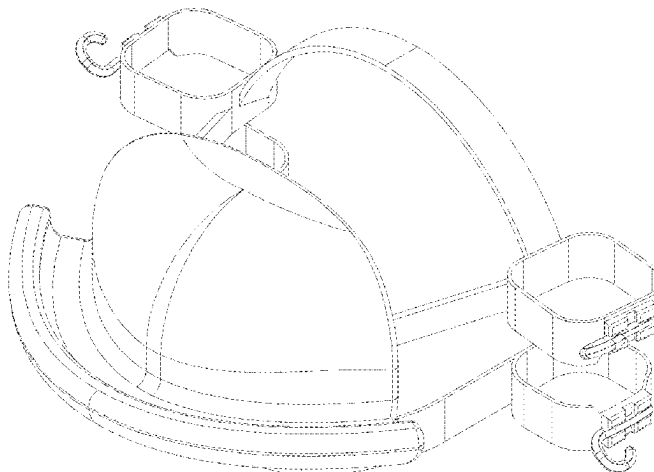
FIG. 11 is a top, left-side perspective view of the upper member of orthodontic oral appliance with anterior bite plate to ease and maximize vertical elastic function of rubber bands in sagittal plane tooth movements.

FIG. 12 a bottom, right-side perspective view of the upper member of orthodontic oral appliance with anterior bite plate to ease and maximize vertical elastic function of rubber bands in sagittal plane tooth movements.

FIG. 13 is a top, left-side perspective view of the lower member of orthodontic oral appliance with anterior bite plate to ease and maximize vertical elastic function of rubber bands in sagittal plane tooth movements; and,

FIG. 14 a bottom, right-side perspective view of the lower member of orthodontic oral appliance with anterior bite plate to ease and maximize vertical elastic function of rubber bands in sagittal plane tooth movements.

(Continued)



The broken lines represent unclaimed subject matter and form no part of the claimed design.

1 Claim, 9 Drawing Sheets

(58) Field of Classification Search

CPC A61C 7/00; A61C 7/08; A61C 7/36; A61C
7/10; A61F 5/566; A61F 5/56; A61F
2005/563

See application file for complete search history.

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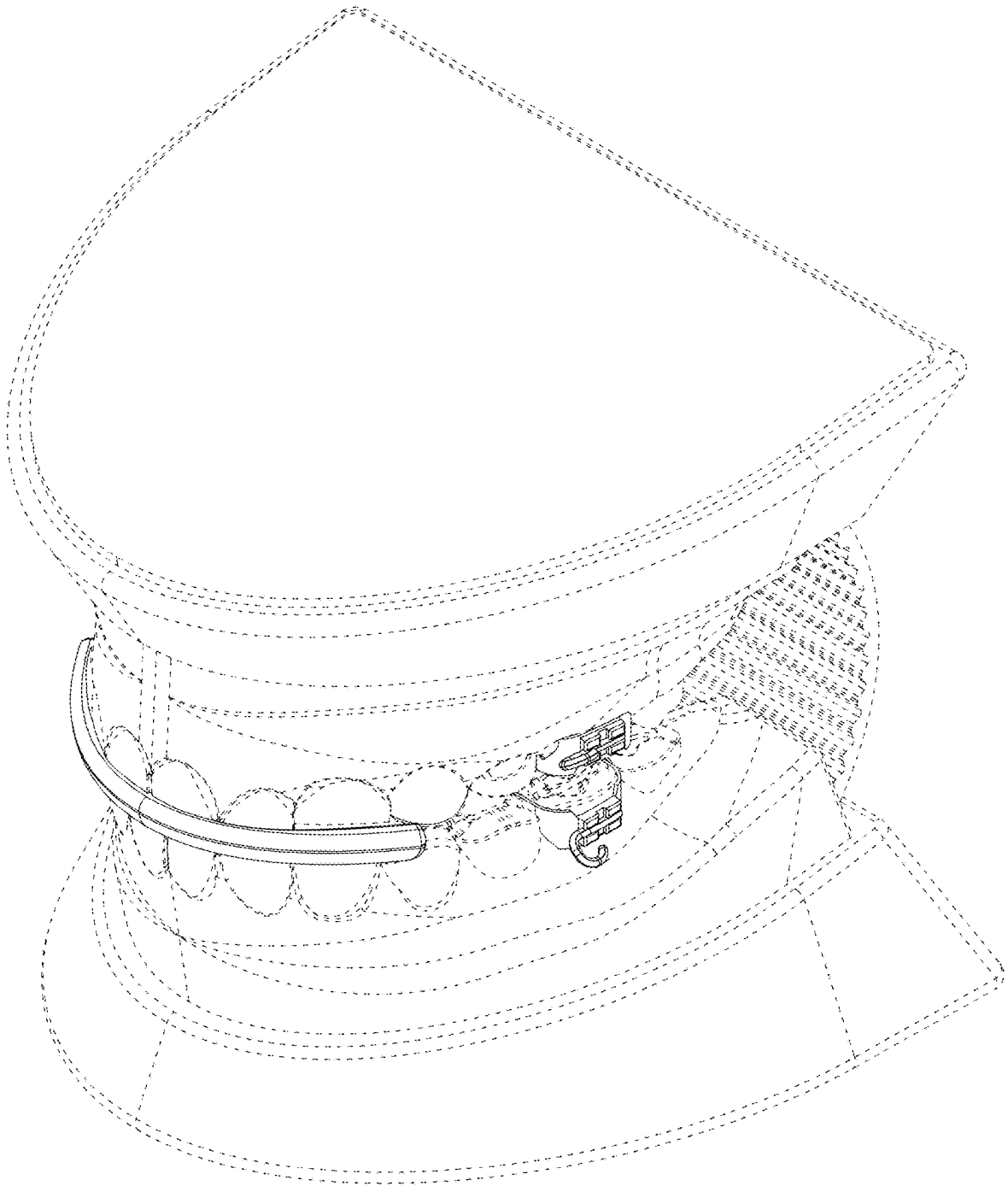


FIG.1

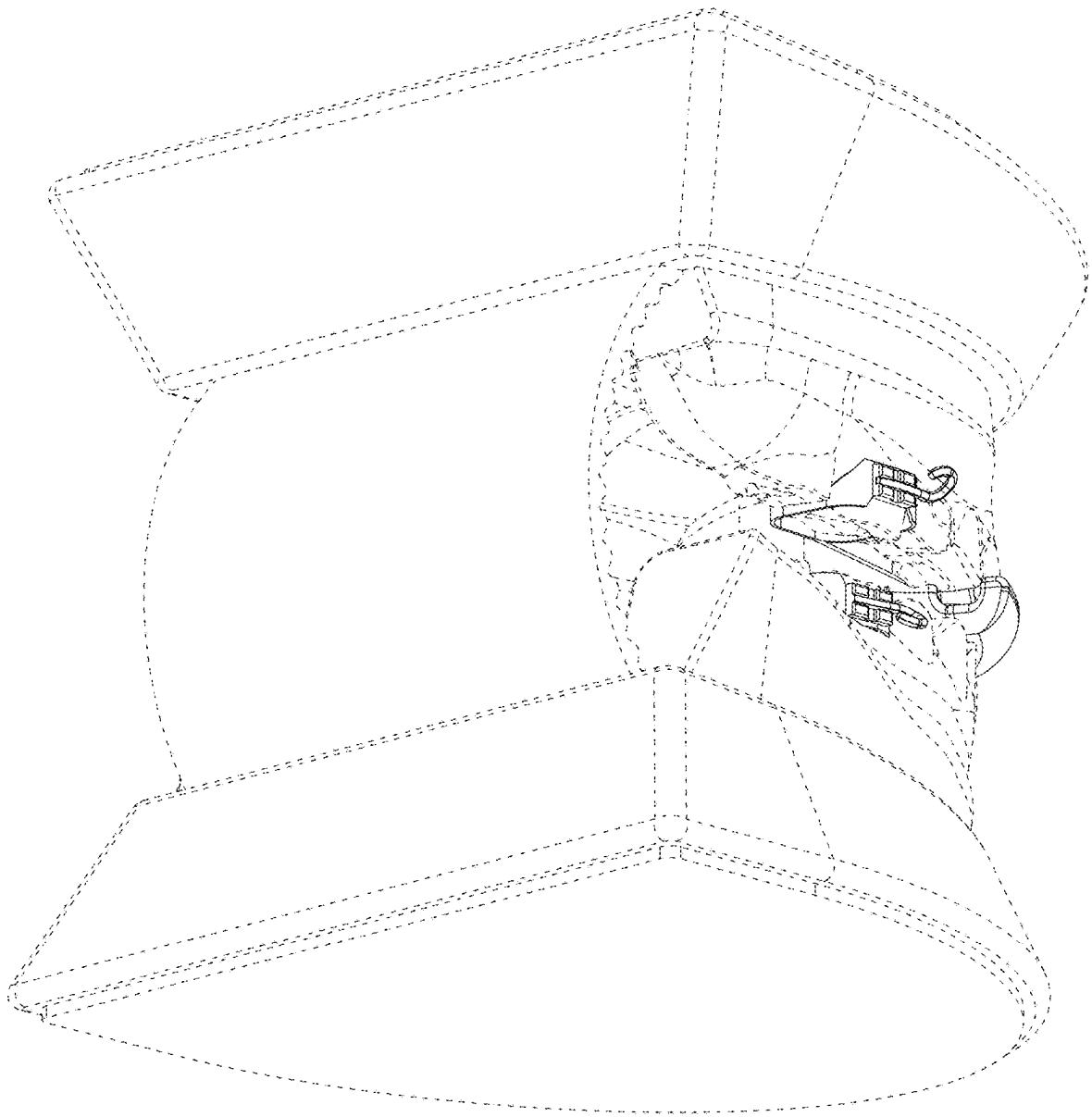


FIG.2

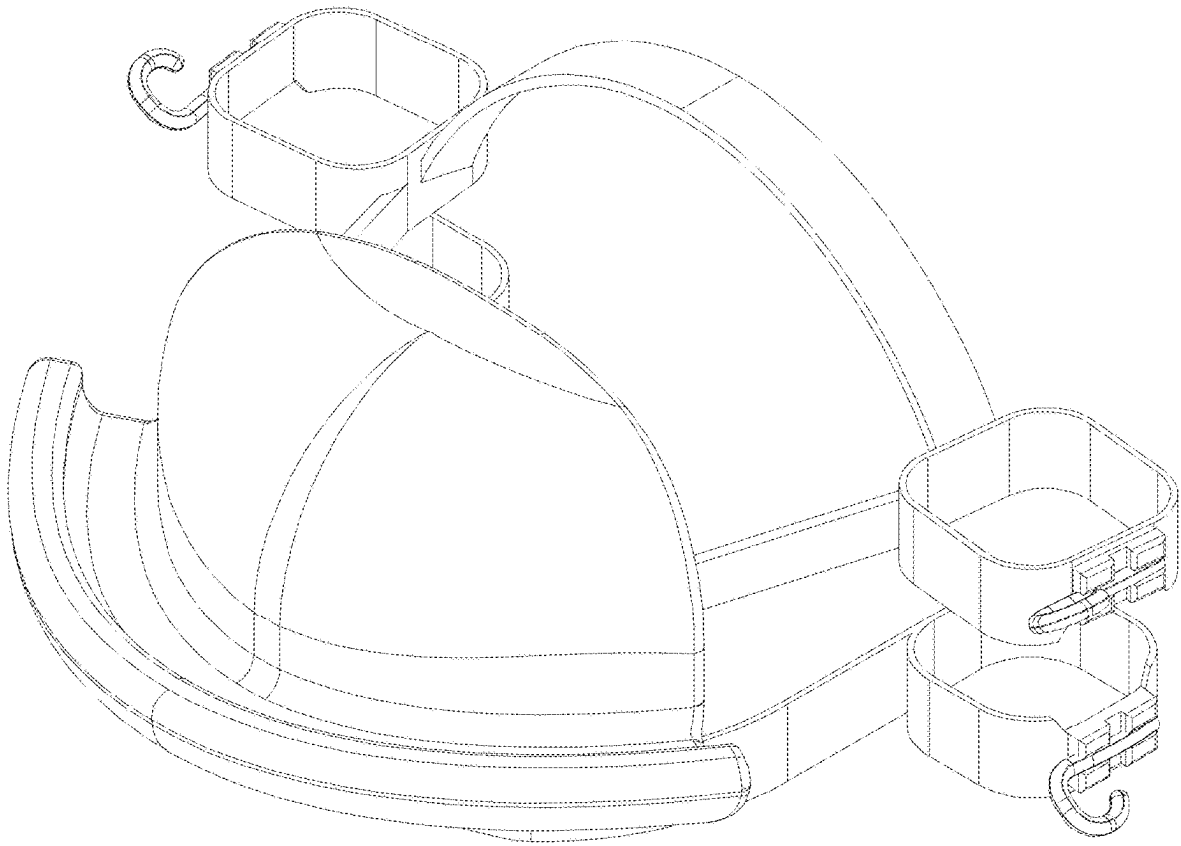


FIG.3

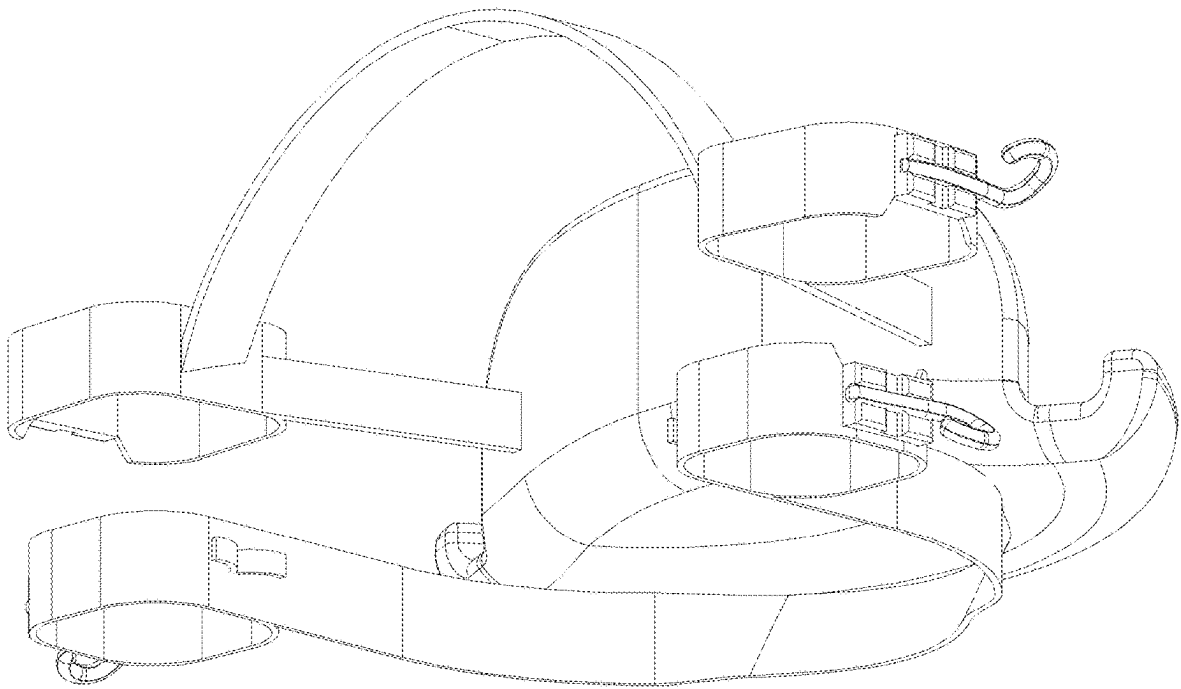


FIG.4

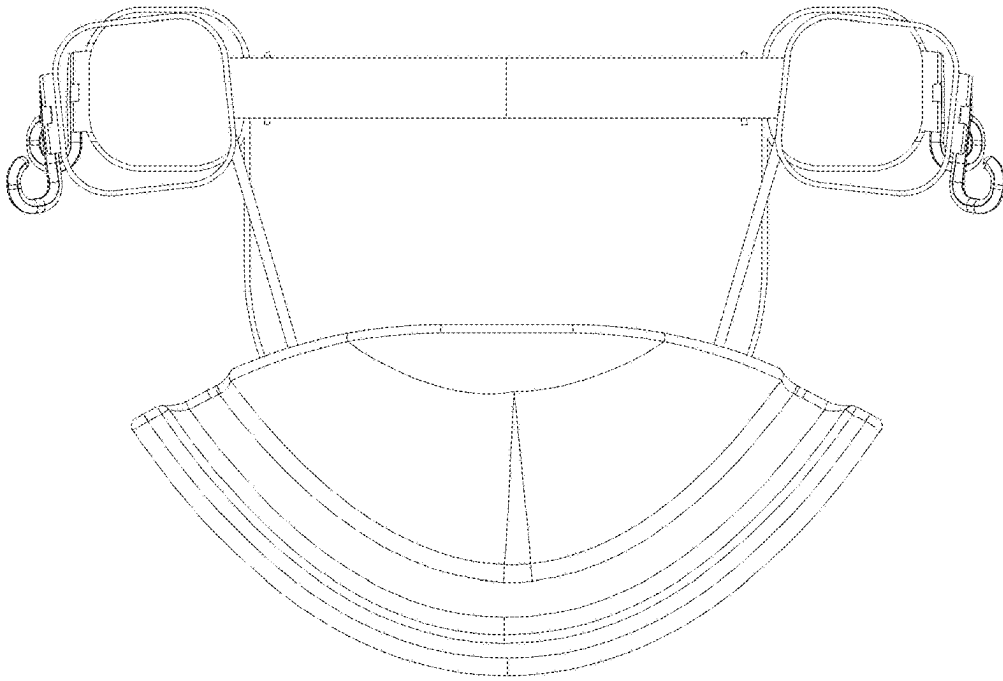


FIG.5

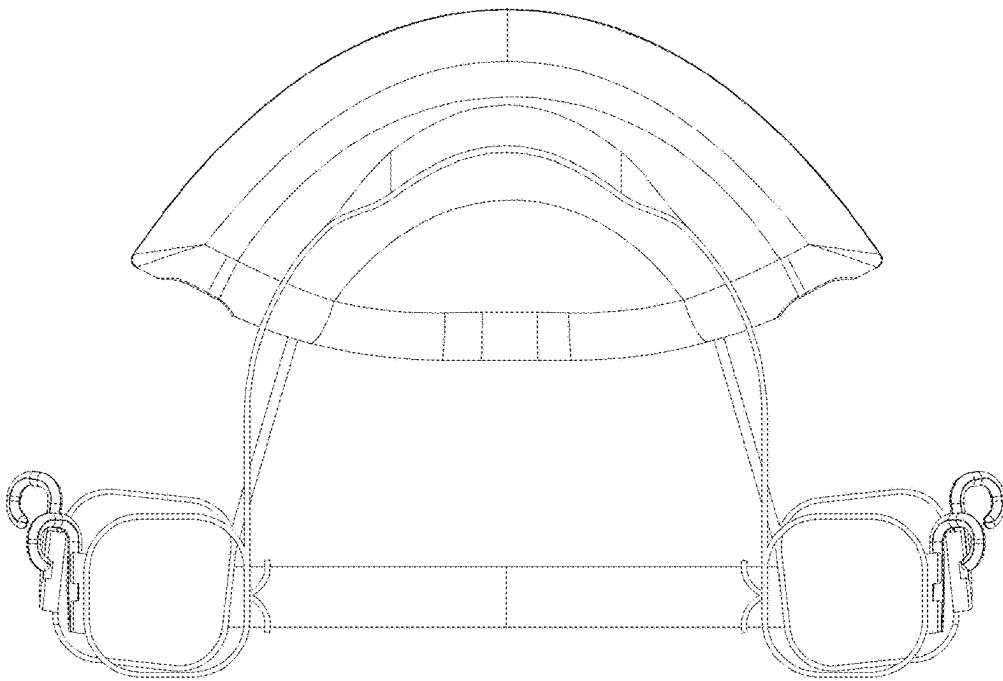


FIG.6

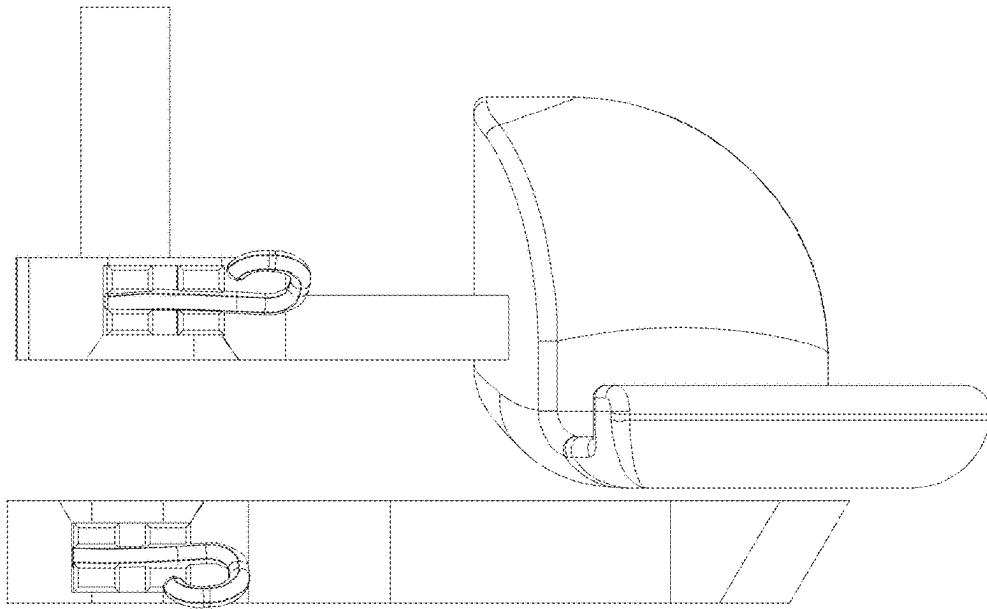


FIG. 7

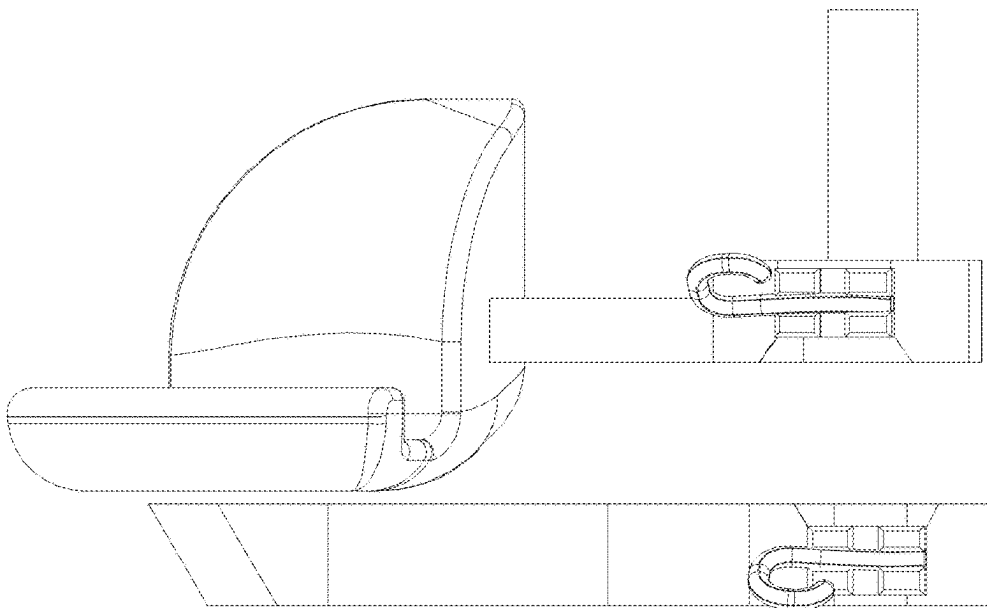


FIG. 8

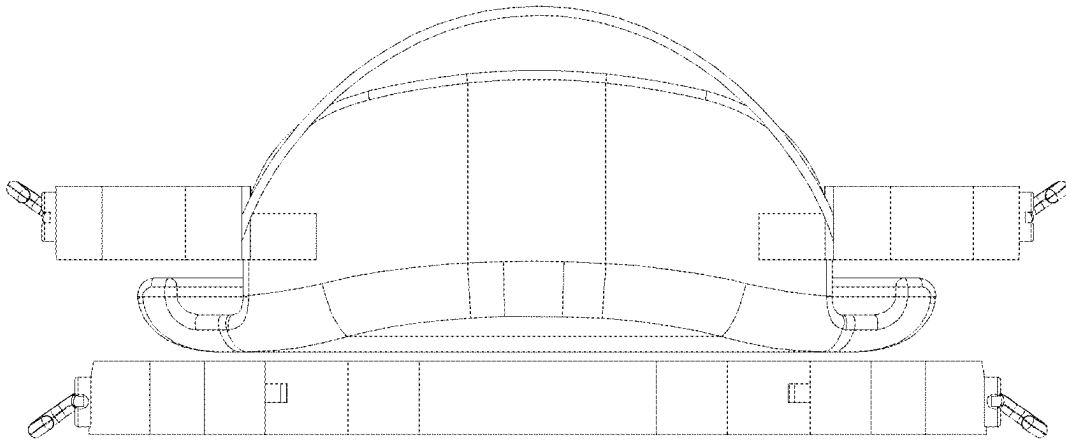


FIG.9

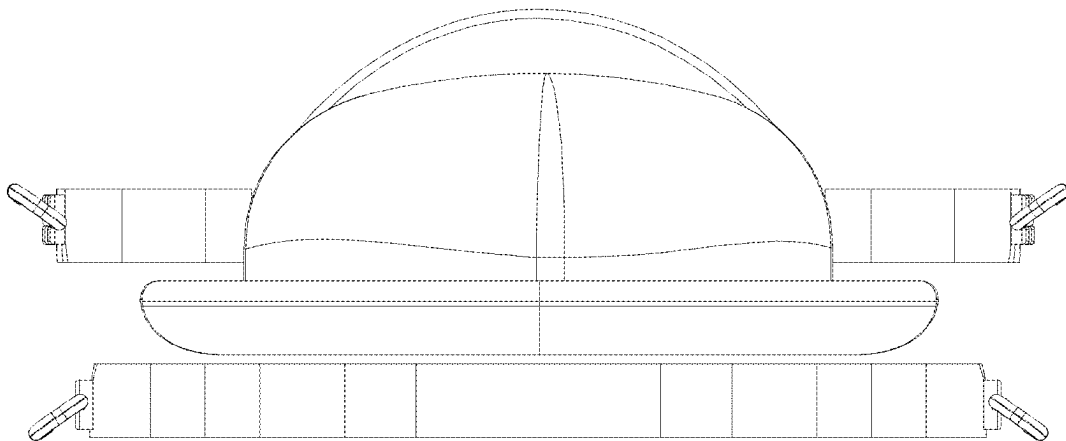


FIG.10

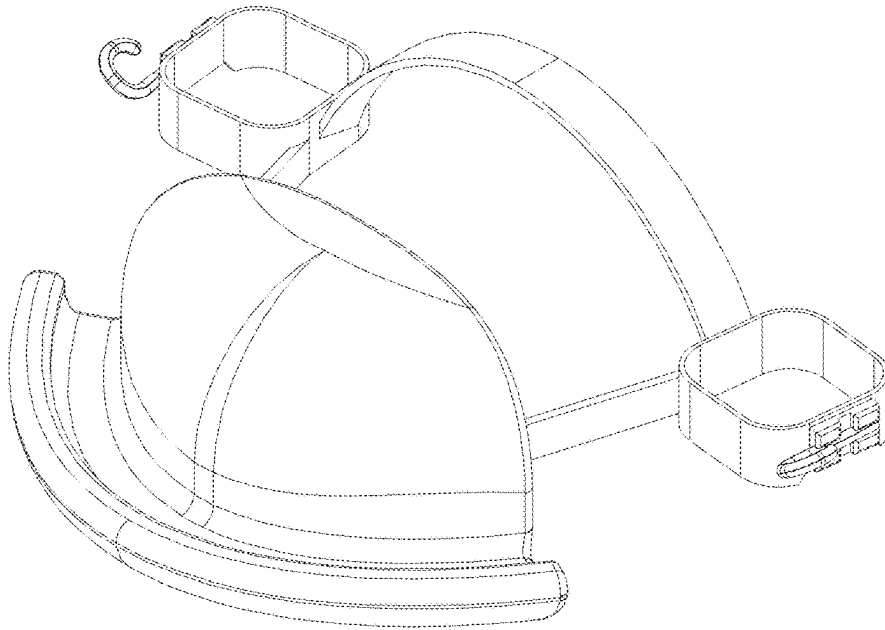


FIG.11

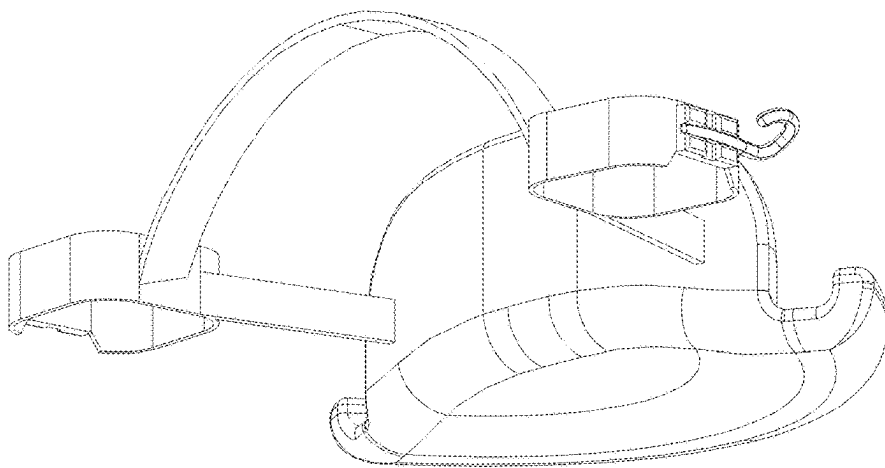


FIG.12

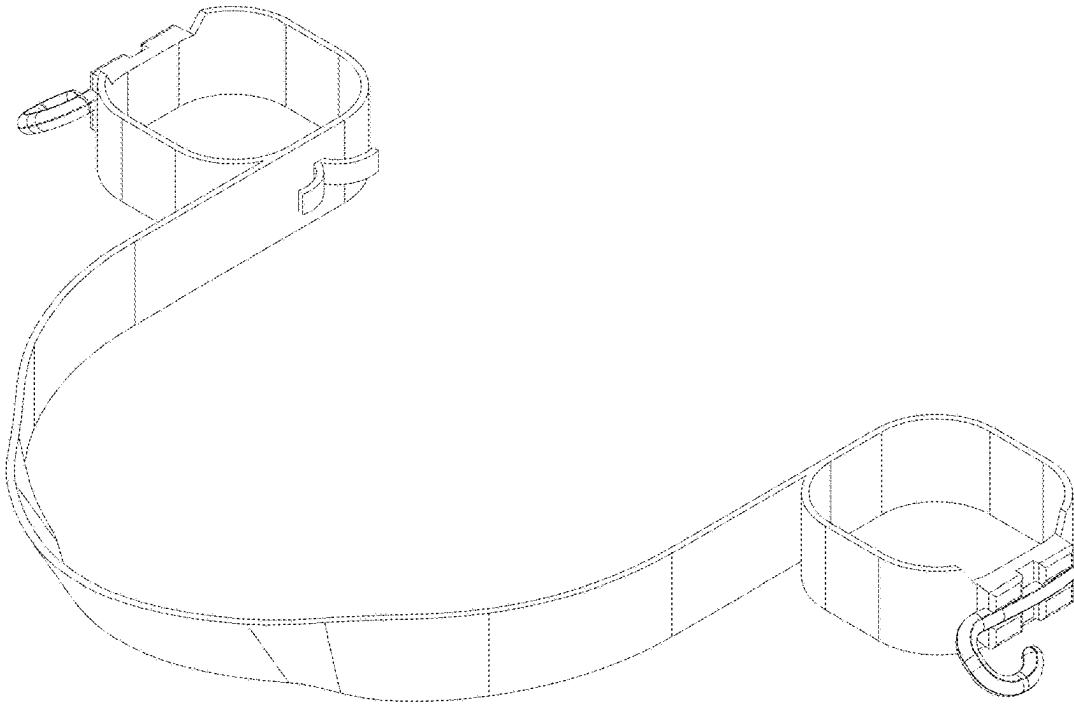


FIG.13

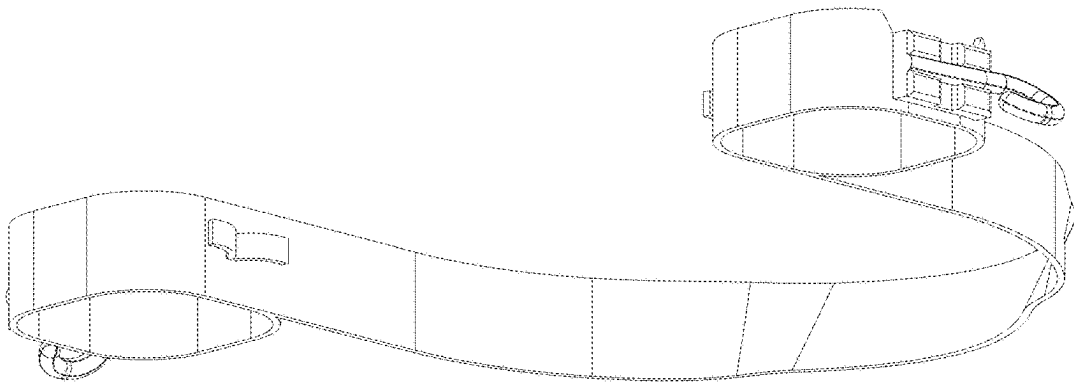


FIG.14