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

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(54) **SLING TYPE HALITOSIS DETECTOR**

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(**) Term: **14 Years**

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(30) **Foreign Application Priority Data**

Jun. 13, 2006 (TW) 95303256

(51) **LOC (9) Cl.** **29-02**

(52) **U.S. Cl.** **D24/110.1**

(58) **Field of Classification Search** D24/110-110.6;
D16/339; 128/207.17, 207.11, 848; 2/171.2,
2/171.8; 224/188, 201, 257, 258, 265, 600,
224/607, 615, 625; 73/23.3; 422/84

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,837,095 B2 * 1/2005 Sunshine et al. 73/23.2
6,858,182 B1 * 2/2005 Ito et al. 422/58
6,899,683 B2 * 5/2005 Mault et al. 600/531

* cited by examiner

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(57) **CLAIM**

The ornamental design for a “sling type halitosis detector”, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a “sling type halitosis detector” showing my design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left side elevational view thereof;

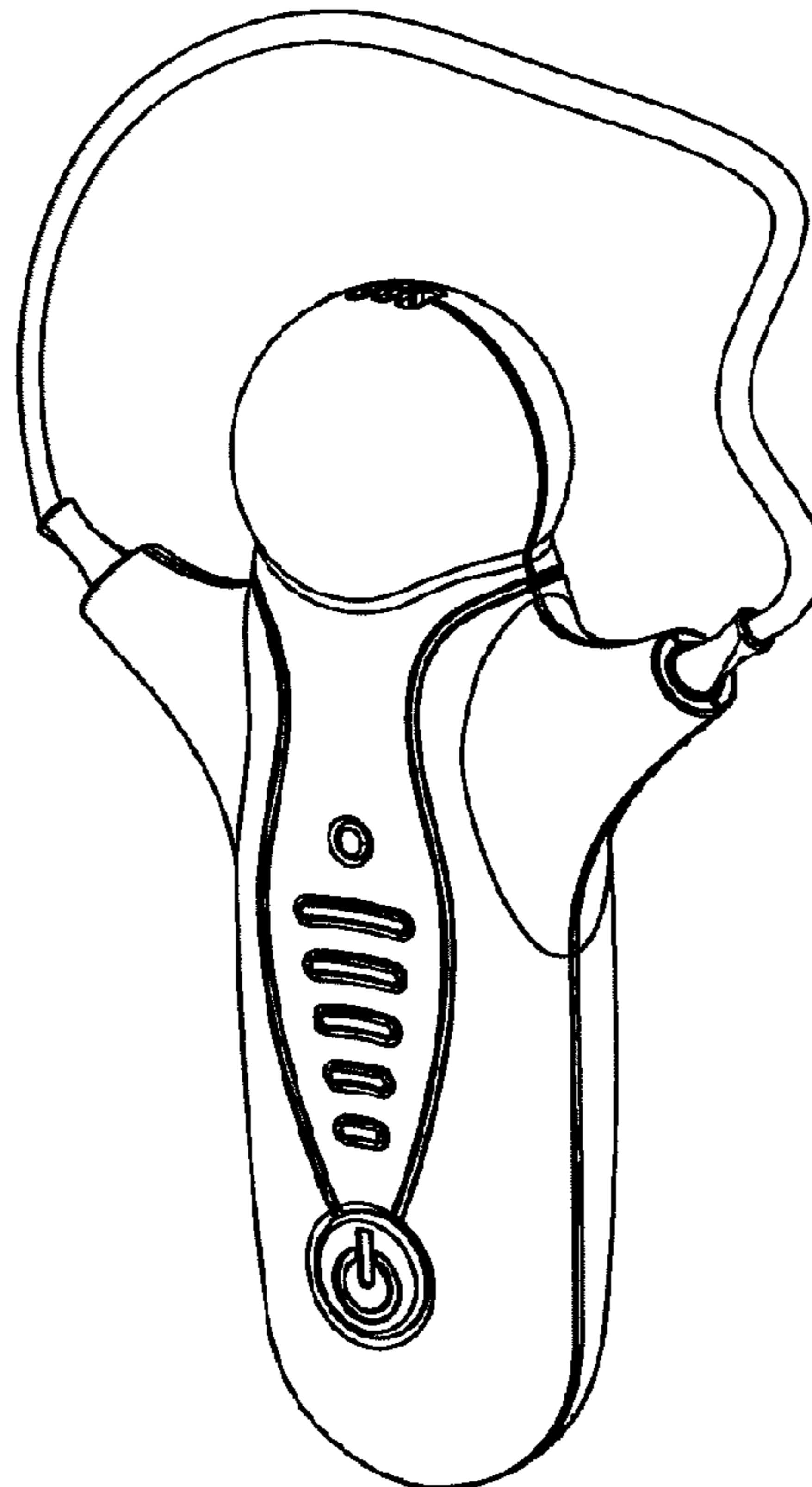
FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof; and,

FIG. 8 is a perspective view thereof in usage.

1 Claim, 5 Drawing Sheets



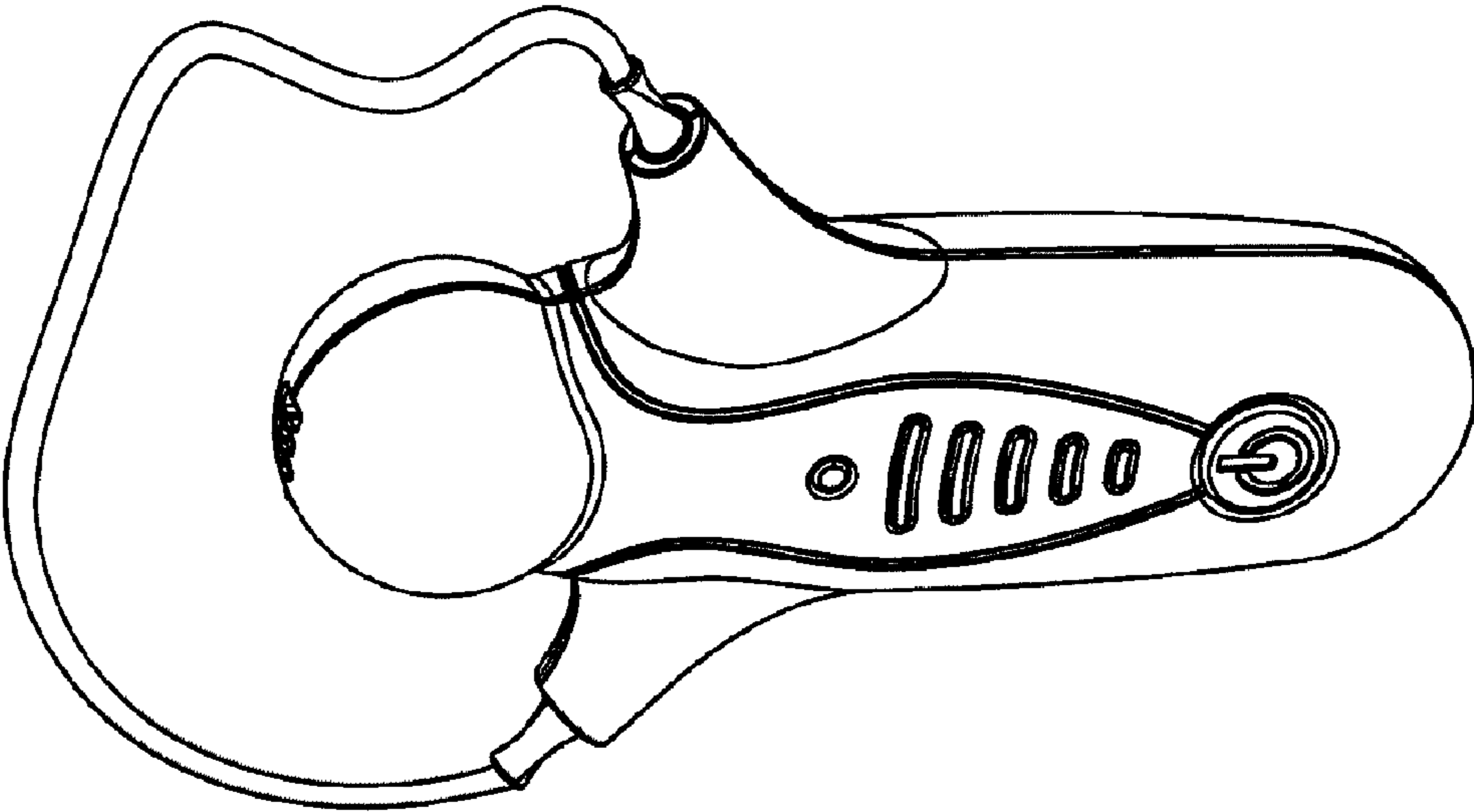


FIG. 1

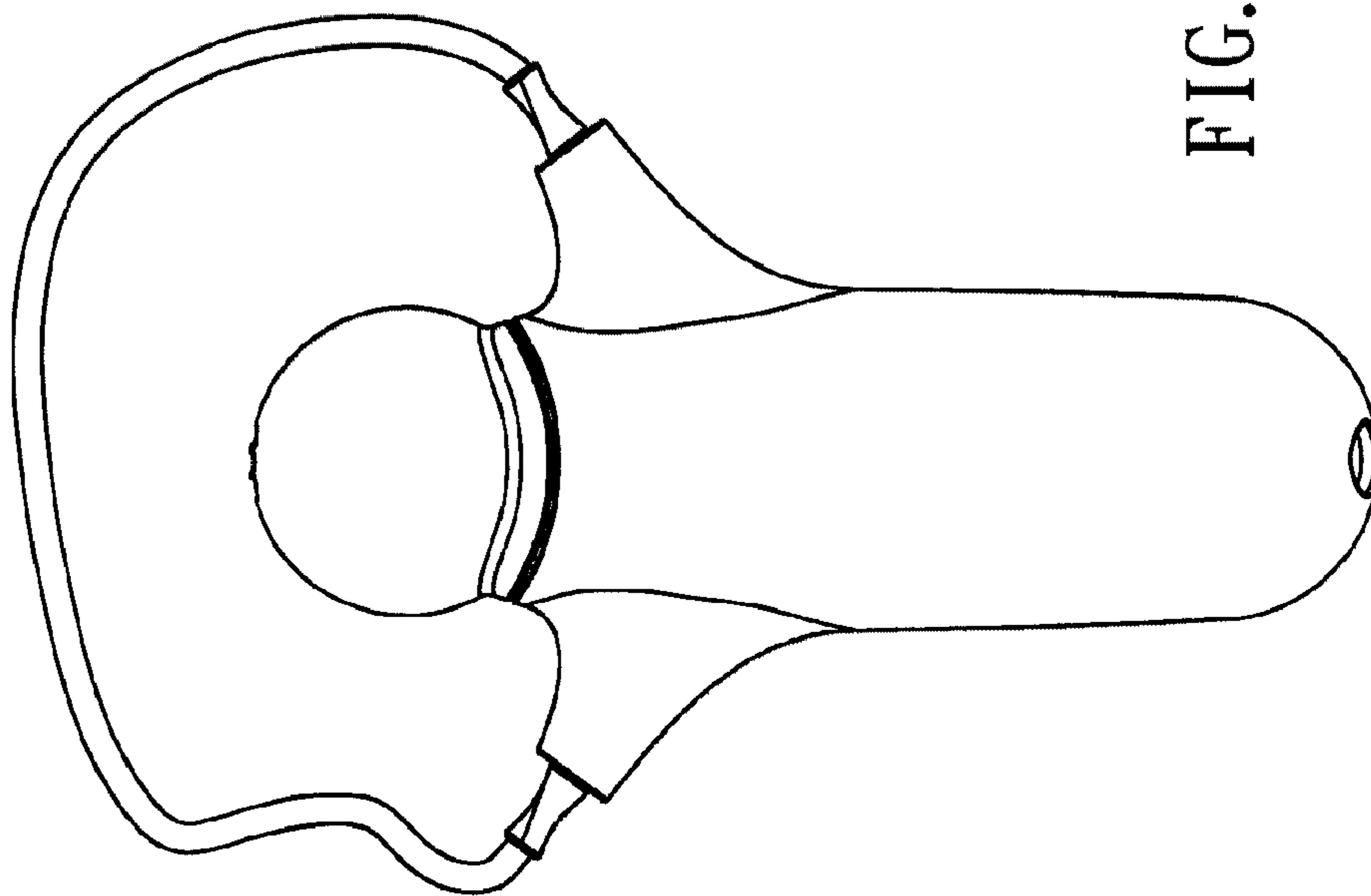


FIG. 3

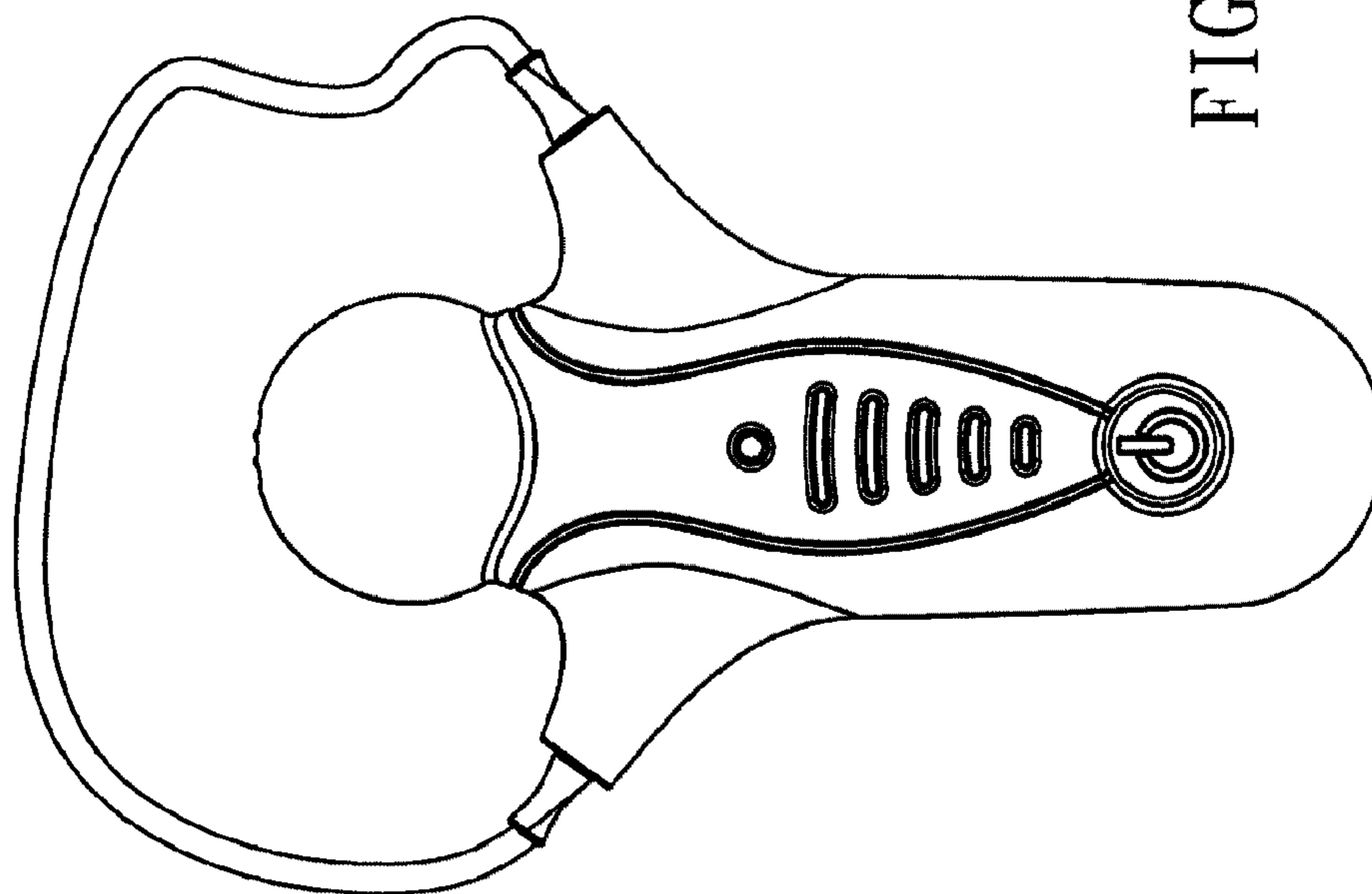


FIG. 2

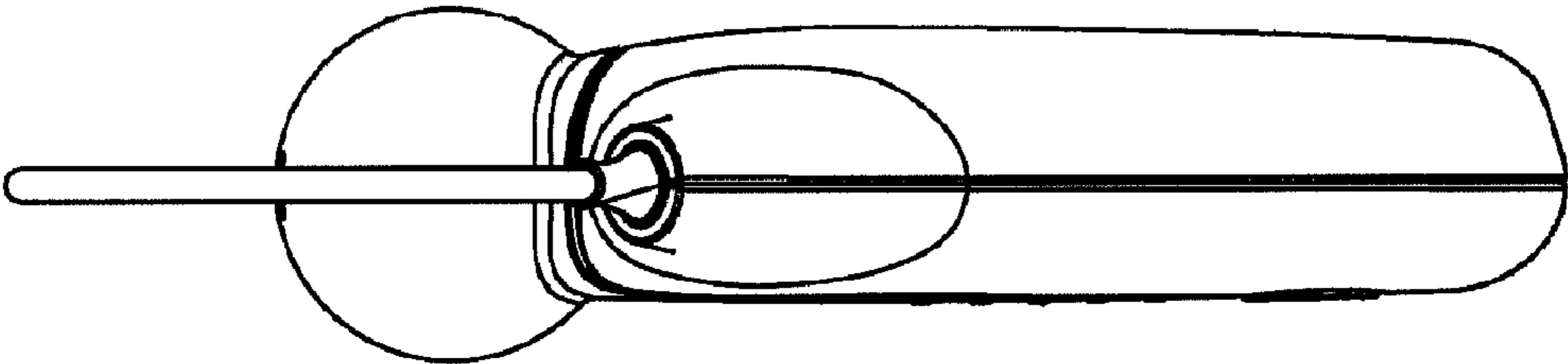


FIG. 5

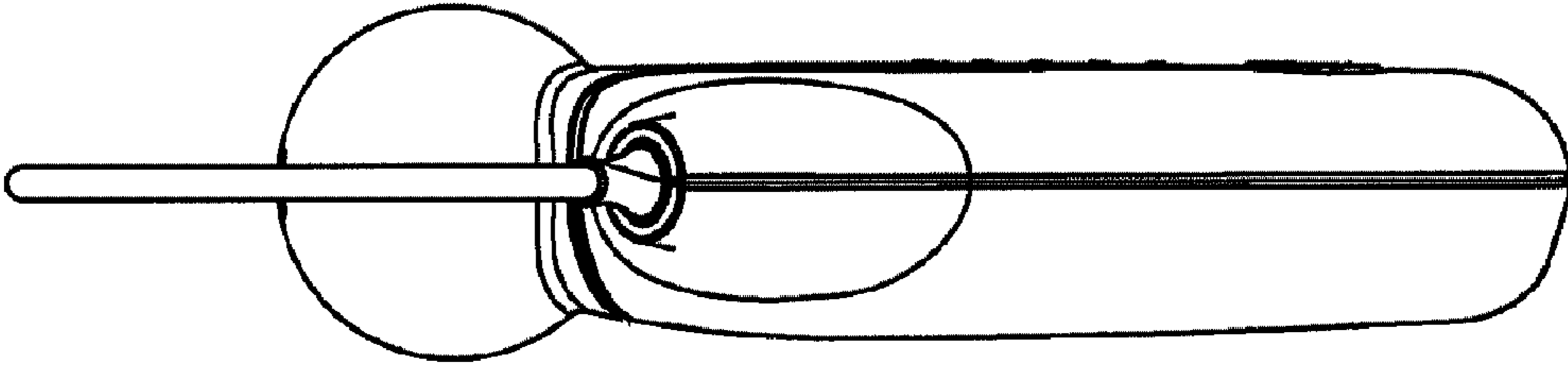


FIG. 4

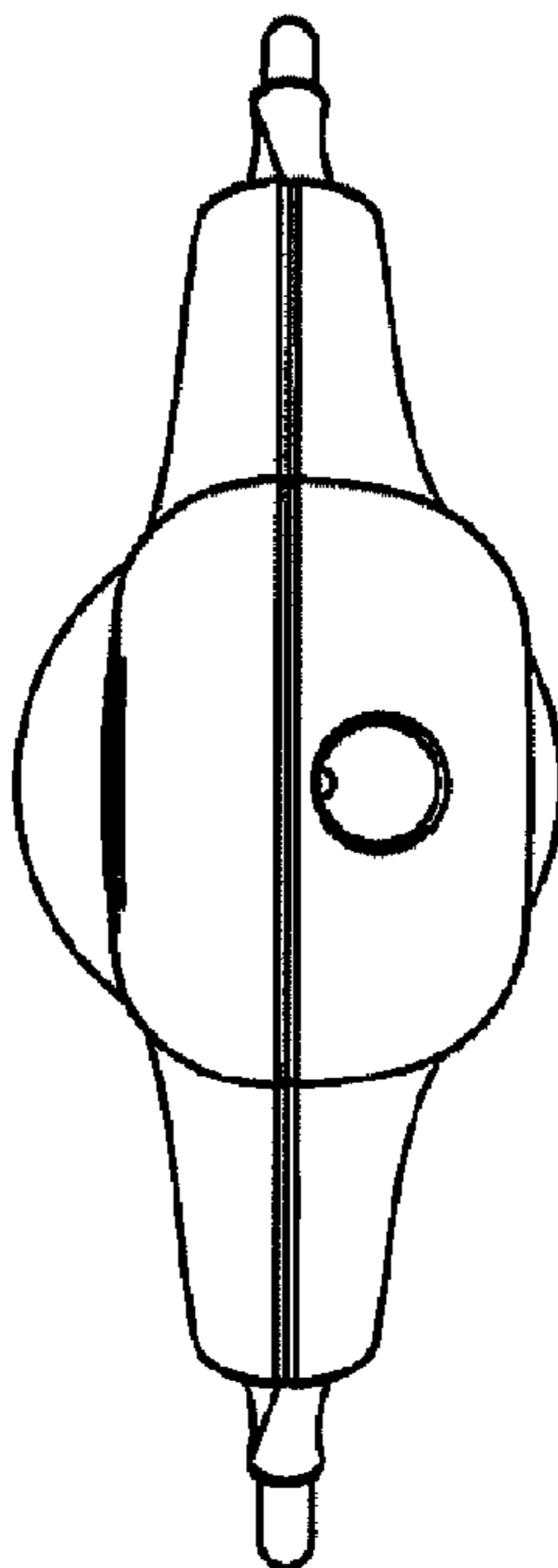


FIG. 7

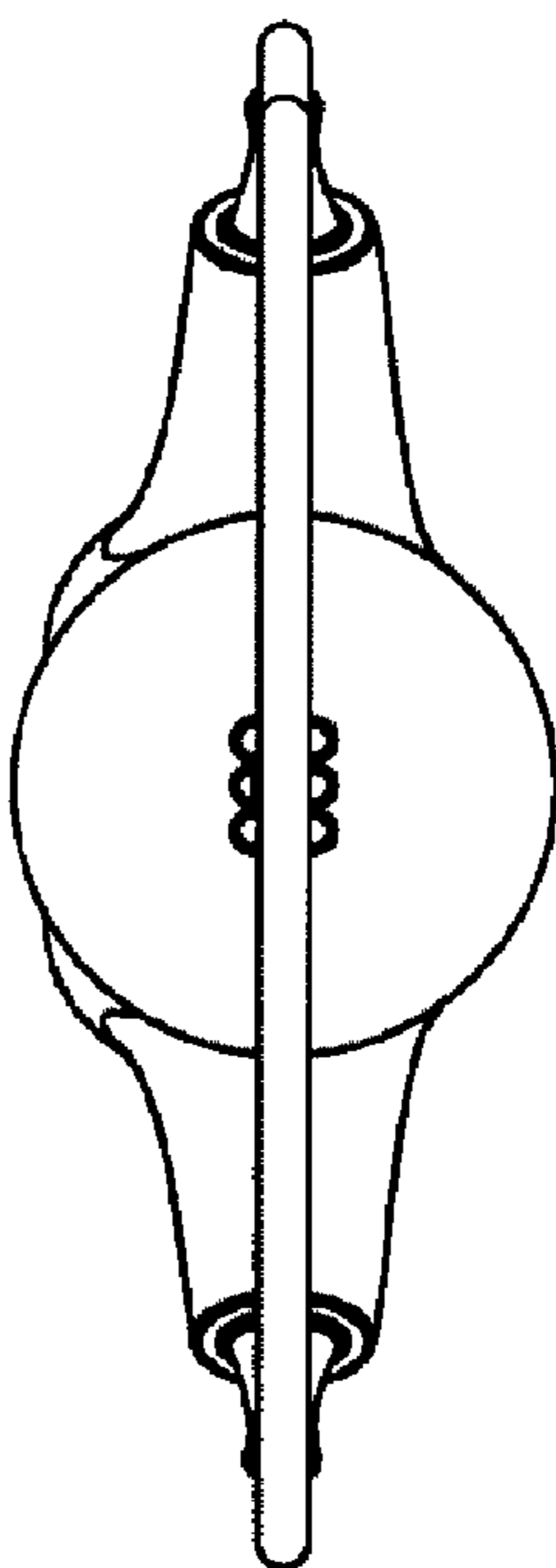


FIG. 6

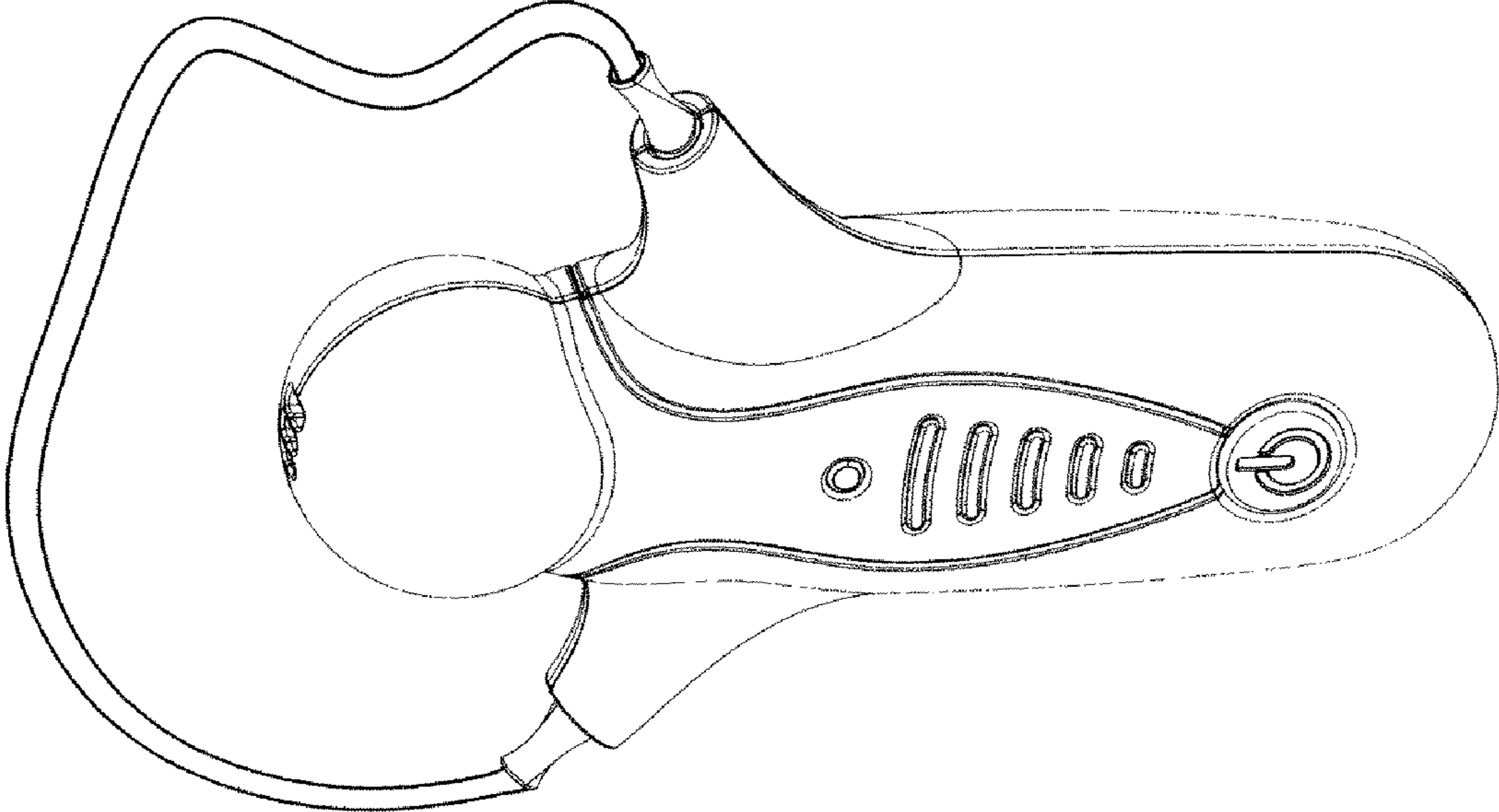


FIG. 8