



(12) **United States Design Patent** (10) **Patent No.:** **US D849,955 S**
Christiansen et al. (45) **Date of Patent:** **** May 28, 2019**

(54) **MEDICAL INSTRUMENT WITH SENSOR FOR TREATMENT OF BRUXISM**

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 (72) Inventors: **Christian Christiansen**, Birkerød (DK); **Tomas W. Stringdahl**, Falkenberg (SE)
 (73) Assignee: **Sunstar Suisse SA**, Etoy (CH)
 (**) Term: **15 Years**

(21) Appl. No.: **29/598,559**
 (22) Filed: **Mar. 27, 2017**

Related U.S. Application Data

(63) Continuation of application No. 35/500,114, filed on Aug. 11, 2015 (U.S. filing date under 35 U.S.C. 384), and having an international filing date of Aug. 11, 2015, now abandoned.

(30) **Foreign Application Priority Data**

Feb. 12, 2015 (EM) 002632760
 (51) **LOC (11) Cl.** **24-02**
 (52) **U.S. Cl.**
 USPC **D24/176**
 (58) **Field of Classification Search**
 USPC D24/176-178, 186, 200, 231, 168, 167, D24/158, 107, 187
 CPC A61B 5/4557; A61B 5/00; A61B 5/0048; A61B 5/0051; A61B 5/02444; A61B 5/4806; A61B 5/68; A61B 5/6813; A61B 5/6814; A61B 5/682; A61F 5/56; A61F 5/566; A61F 2005/563
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,586,562 A * 12/1996 Matz A61F 5/56
 128/848
 D567,949 S * 4/2008 Lash D24/168
 8,690,800 B2 * 4/2014 Lillydahl A61B 5/4557
 600/546
 9,827,137 B2 * 11/2017 Schlatter A61F 5/56
 2017/0035350 A1 * 2/2017 Allessie A61B 5/4557
 2017/0071529 A1 * 3/2017 Haugland A61B 5/4557
 2017/0135626 A1 * 5/2017 Singer A61B 5/4557
 2018/0184939 A1 * 7/2018 Christiansen A61B 5/4557

OTHER PUBLICATIONS

Butler GrindCare. Retrieved on Aug. 17, 2018. Retrieved on line <URL: <https://www.grindcare.com/global/product>>.*

* cited by examiner

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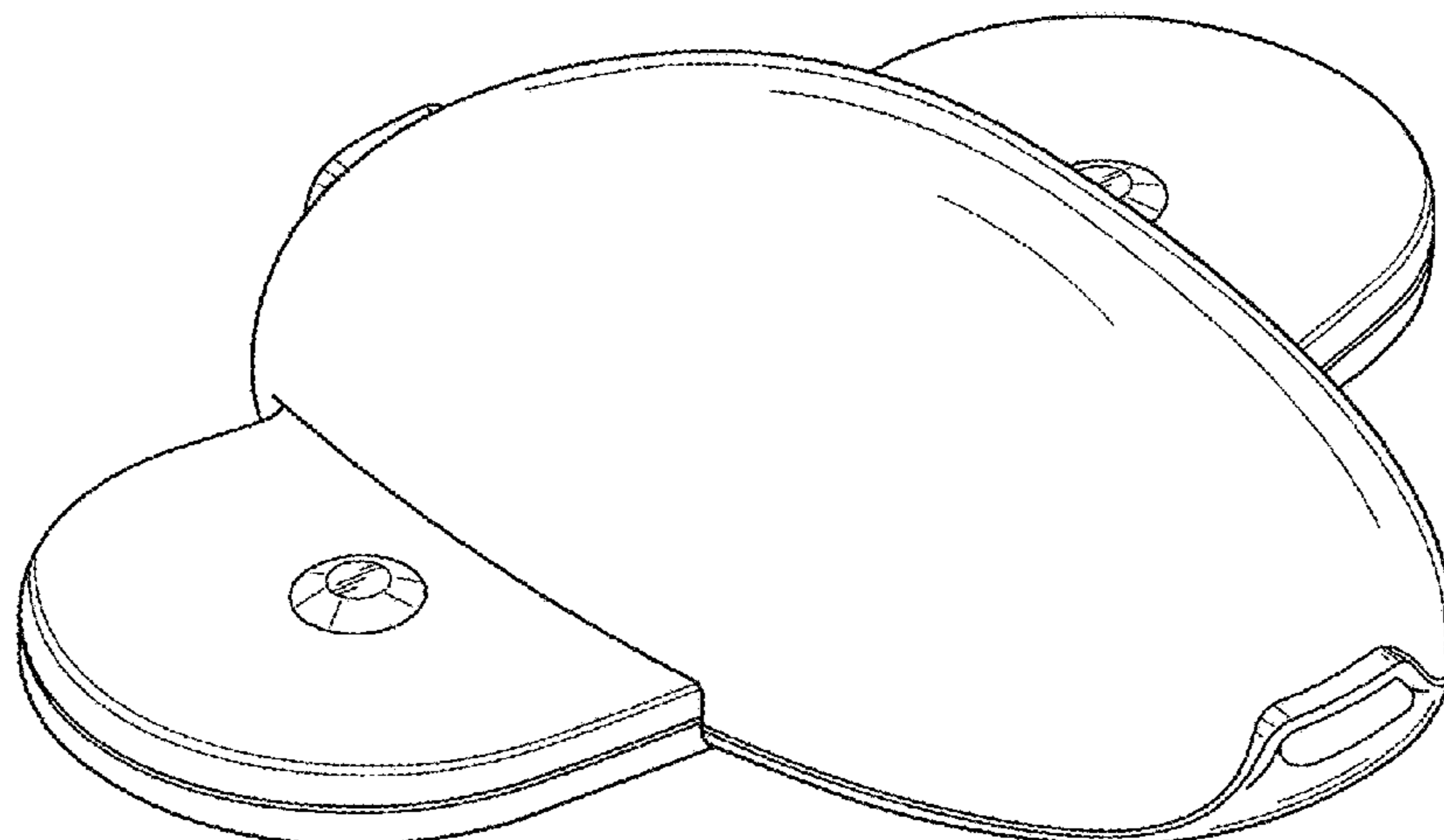
(57) **CLAIM**

The ornamental design for a medical instrument with sensor for treatment of bruxism, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the claimed design; FIG. 2 is a top view of the claimed design; FIG. 3 is a bottom view of the claimed design; FIG. 4 is a front view of the claimed design; FIG. 5 is a back view of the claimed design; FIG. 6 is a left side view of the claimed design; and, FIG. 7 is a right side view of the claimed design. The portions of the medical instrument with sensor for treatment of bruxism shown in broken lines form no part of the claimed design.

1 Claim, 5 Drawing Sheets



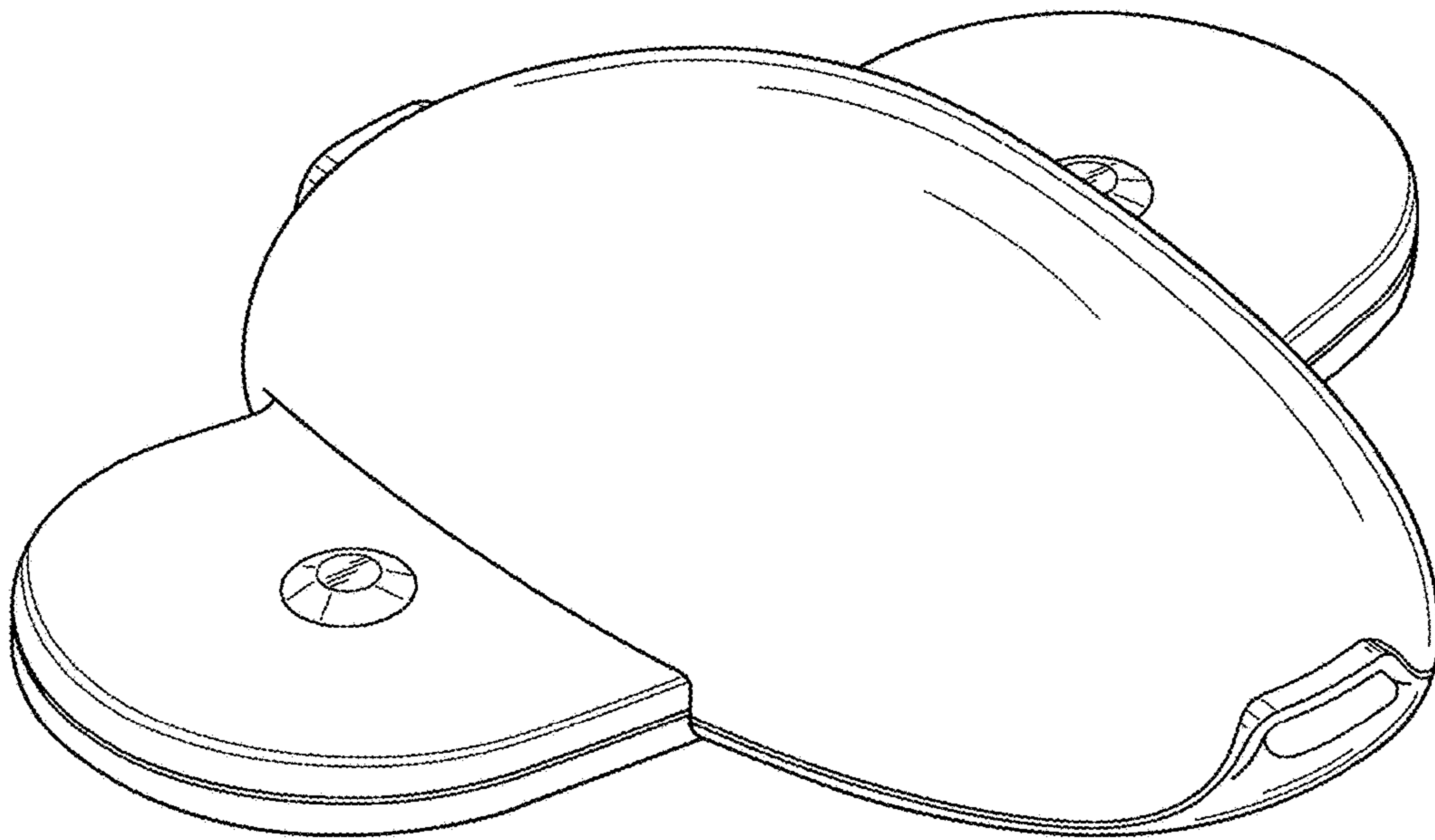


FIG. 1

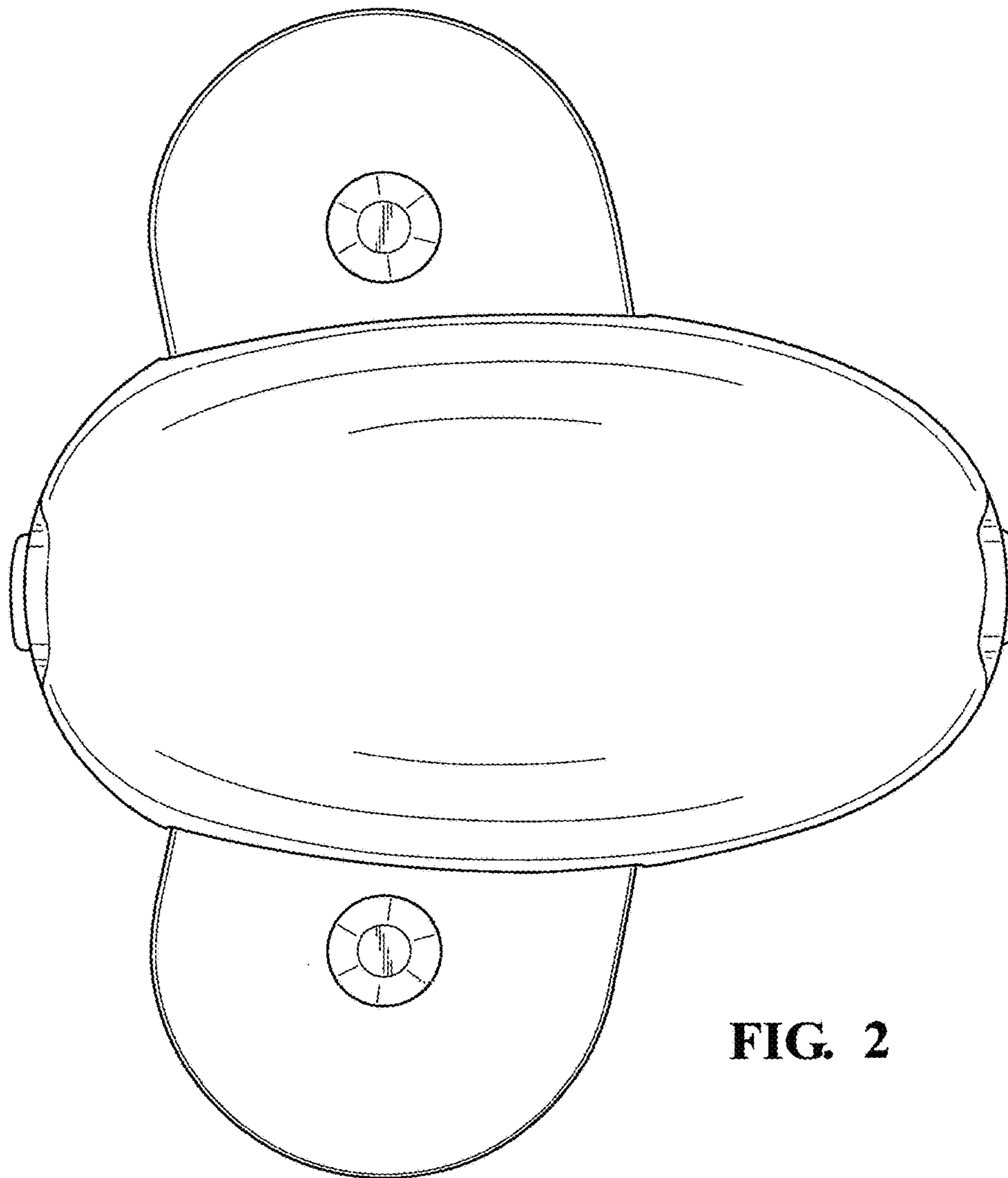


FIG. 2

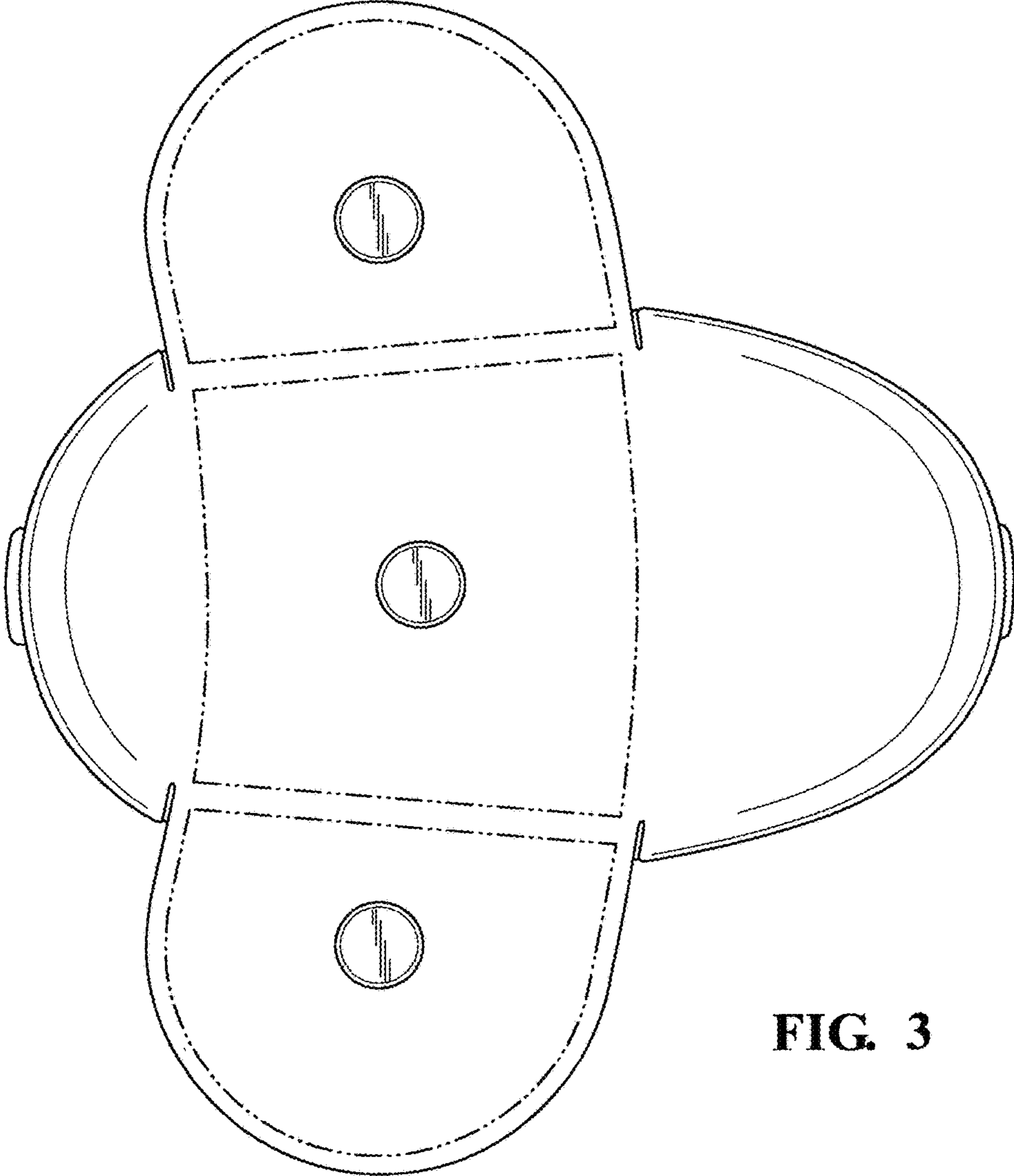


FIG. 3

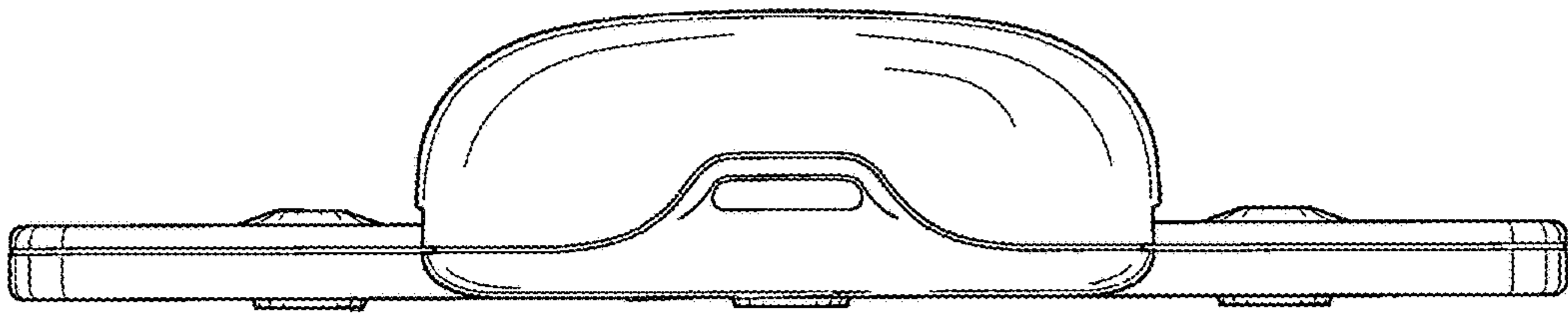


FIG. 4

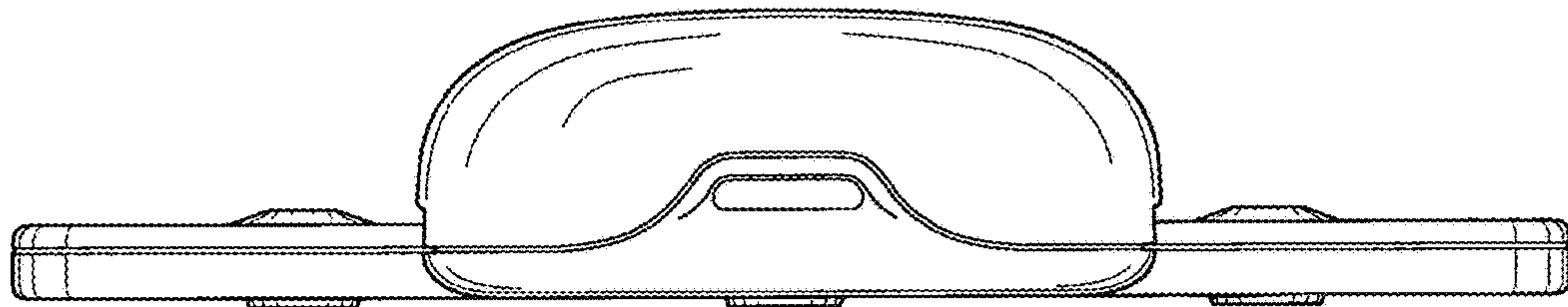


FIG. 5

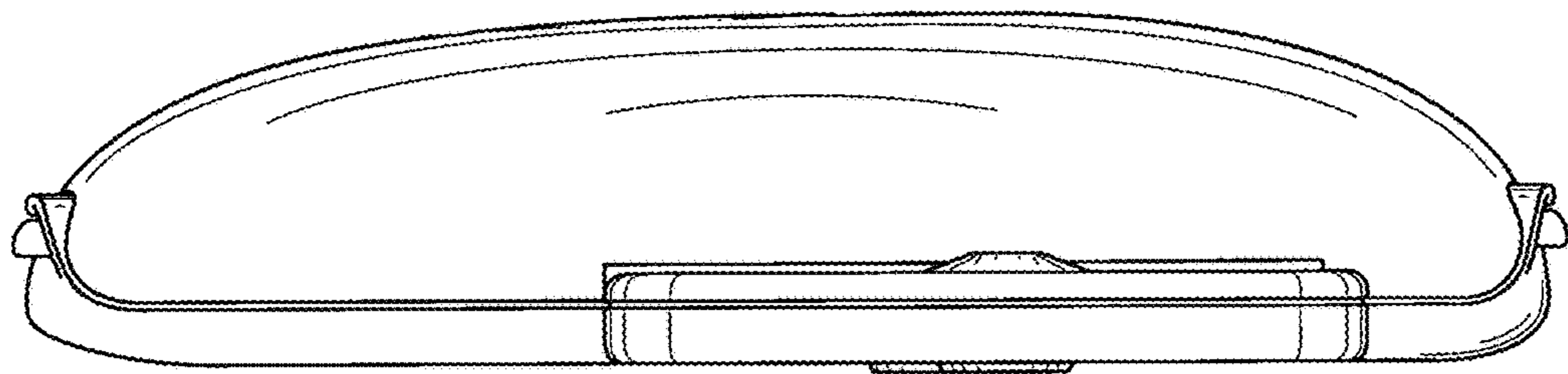


FIG. 6

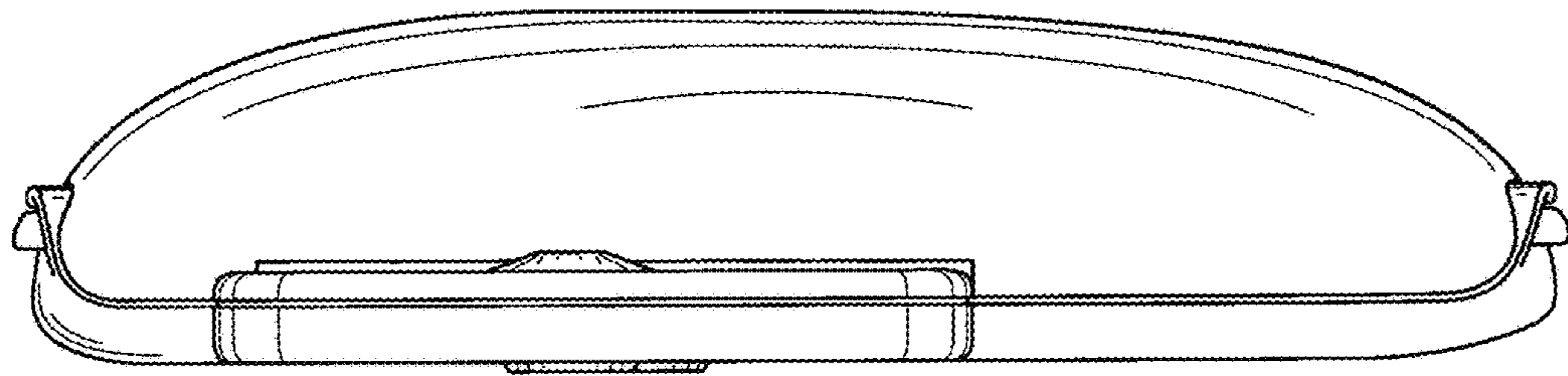


FIG. 7