



US00D878617S

(12) **United States Design Patent**  
**Zhu**

(10) **Patent No.:** **US D878,617 S**  
(45) **Date of Patent:** **\*\* Mar. 17, 2020**

(54) **HAND WARMER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Shenzhen Chinaunion Technology Co., Ltd.**, Shenzhen, Guangdong Province (CN)

CN 304677976 \* 10/2017  
CN 304881081 \* 7/2018

(72) Inventor: **Xueping Zhu**, Chenzhou (CN)

OTHER PUBLICATIONS

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

(21) Appl. No.: **29/662,402**

2-in-1 Rechargeable Power Bank Mini Hand Warmers Portable Pocket Hand Warmer USB Charging Powerbank. Retrieved on Sep. 17, 2019. Retrieved from the Internet: <https://www.aliexpress.com/item/32990233133.html>.\*

(22) Filed: **Sep. 5, 2018**

OCOOPA Rechargeable Hand Warmers, 5200mAh Portable Hand Warmer. Available date: Oct. 29, 2018. Retrieved on Sep. 17, 2019. Retrieved from the Internet: [https://www.amazon.com/OCOOPA-Rechargeable-Warmers-Portable-Electric/dp/B07H3LZGSP/ref=as\\_li\\_ss\\_tl?ie=UTF8&qid=1549933315&sr=8-8&...](https://www.amazon.com/OCOOPA-Rechargeable-Warmers-Portable-Electric/dp/B07H3LZGSP/ref=as_li_ss_tl?ie=UTF8&qid=1549933315&sr=8-8&...).\*

(30) **Foreign Application Priority Data**

Jul. 18, 2018 (CN) ..... 2018 3 039625

\* cited by examiner

(51) **LOC (12) Cl.** ..... **D24-04**

(52) **U.S. Cl.**  
USPC ..... **D24/206**

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(74) *Attorney, Agent, or Firm* — HYIP

(58) **Field of Classification Search**  
USPC ..... D24/206–208, 201, 200; D29/113;  
601/40, 15, 64; 602/2, 7, 27  
CPC .. A61F 7/00; A61F 7/007; A61F 7/034; A61F  
7/0085; A61F 2007/0036; A61F  
2007/0001; A61F 2007/0085; A61F  
2007/0087  
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a hand warmer, as shown and described.

**DESCRIPTION**

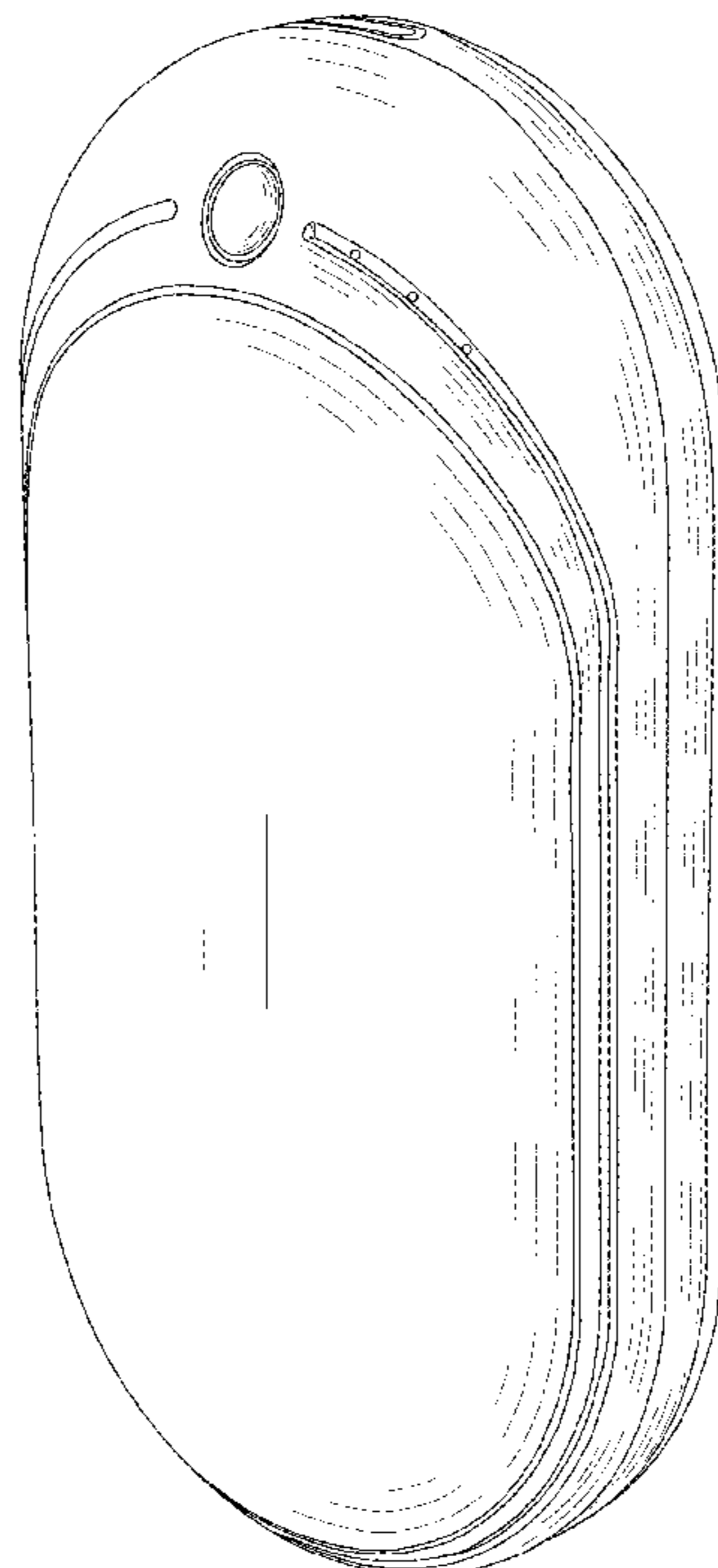
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FIG. 1 is a perspective view of a hand warmer showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.

**1 Claim, 7 Drawing Sheets**



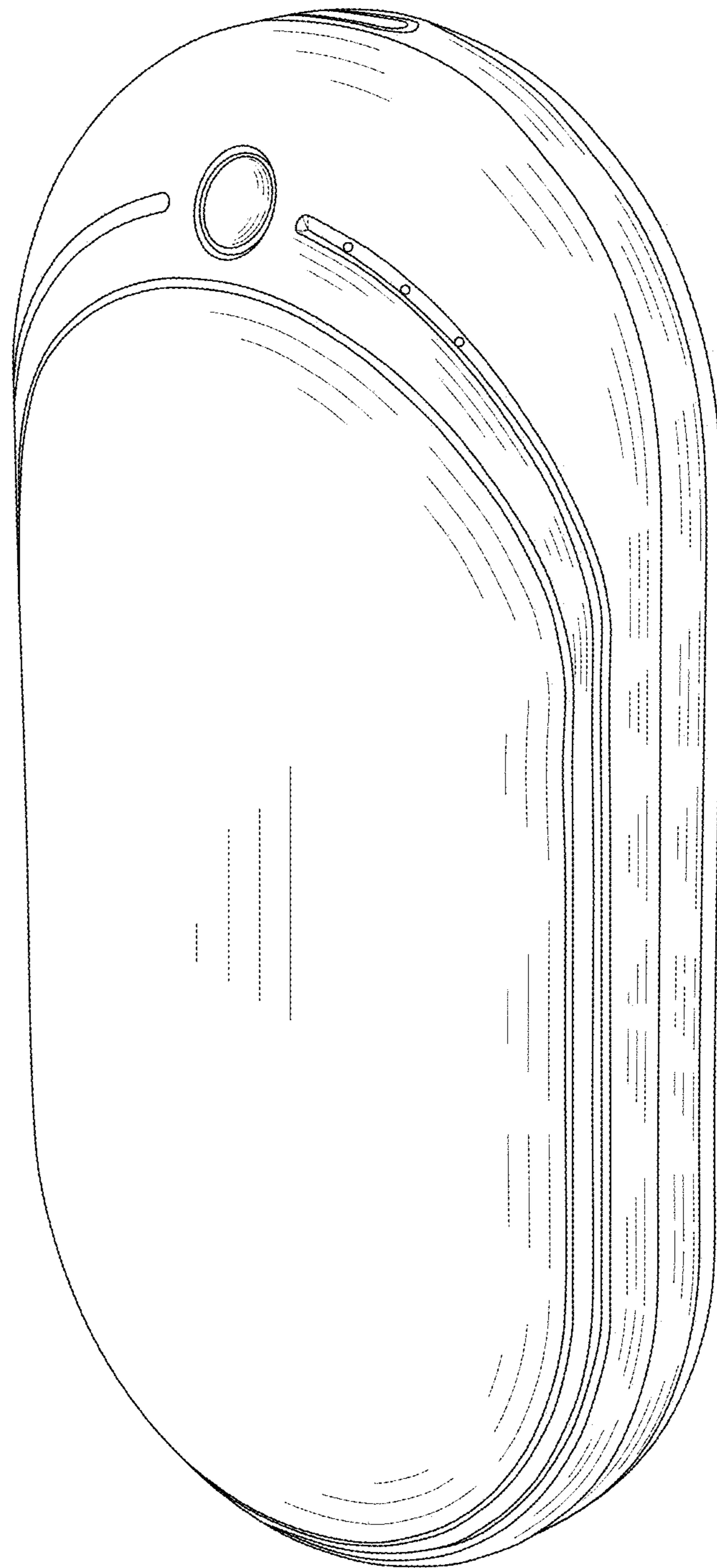


FIG. 1

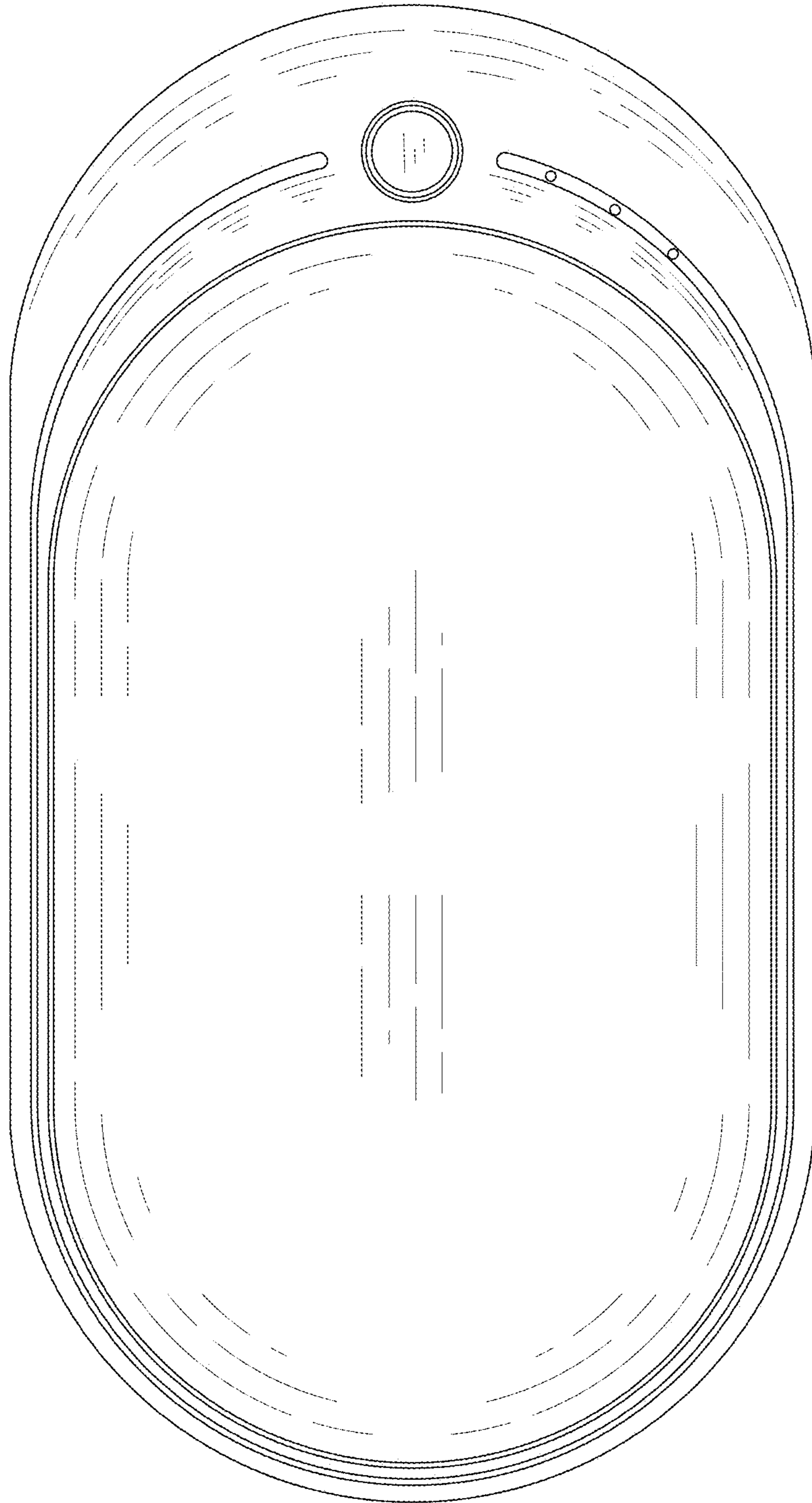


FIG. 2

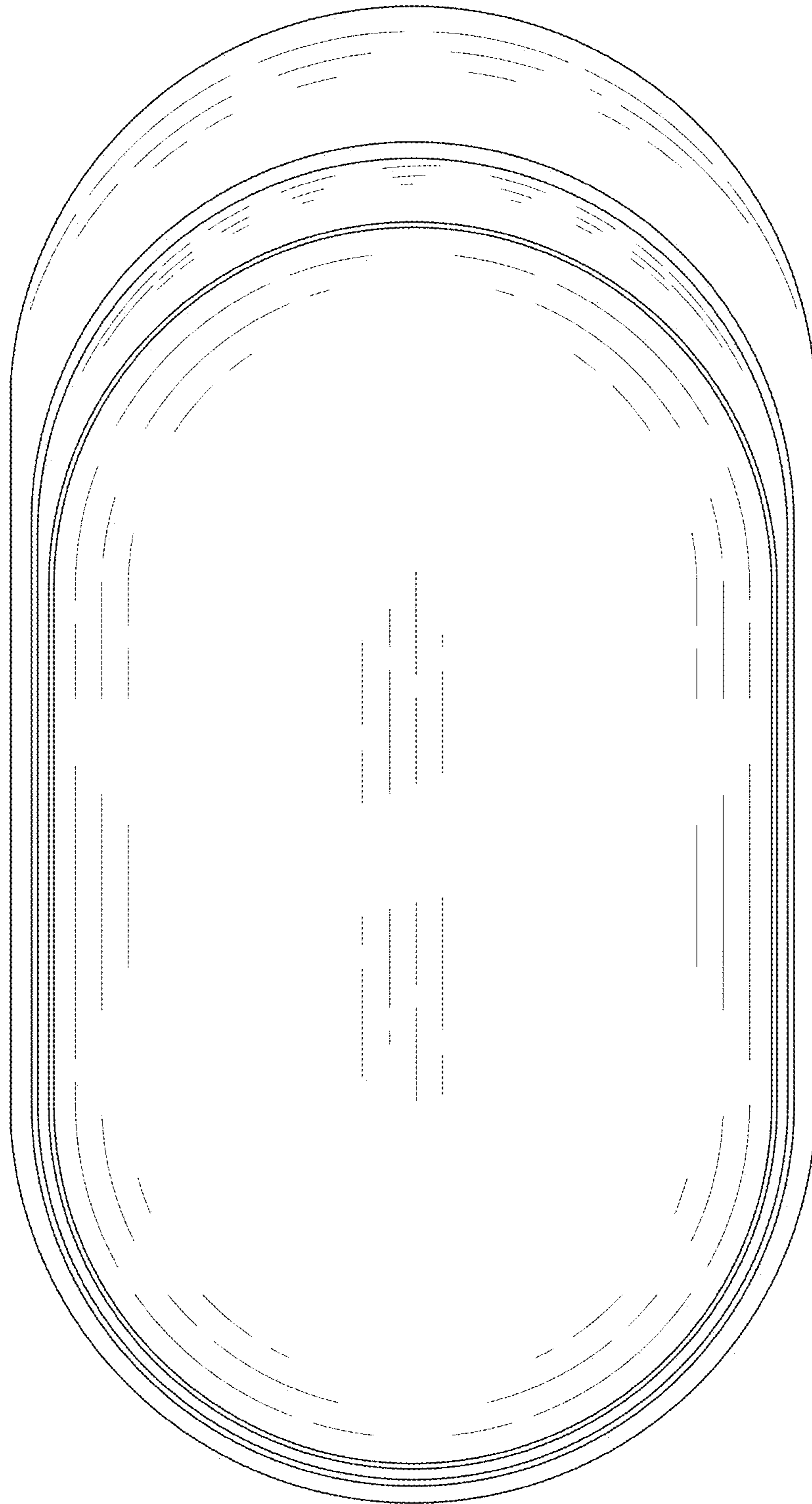


FIG. 3

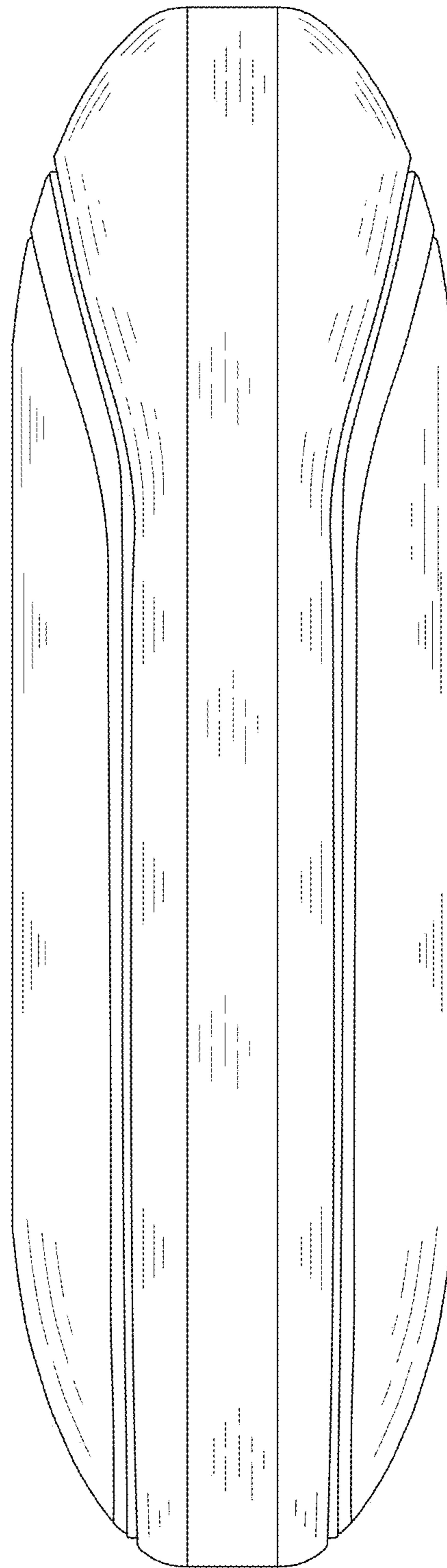


FIG. 4

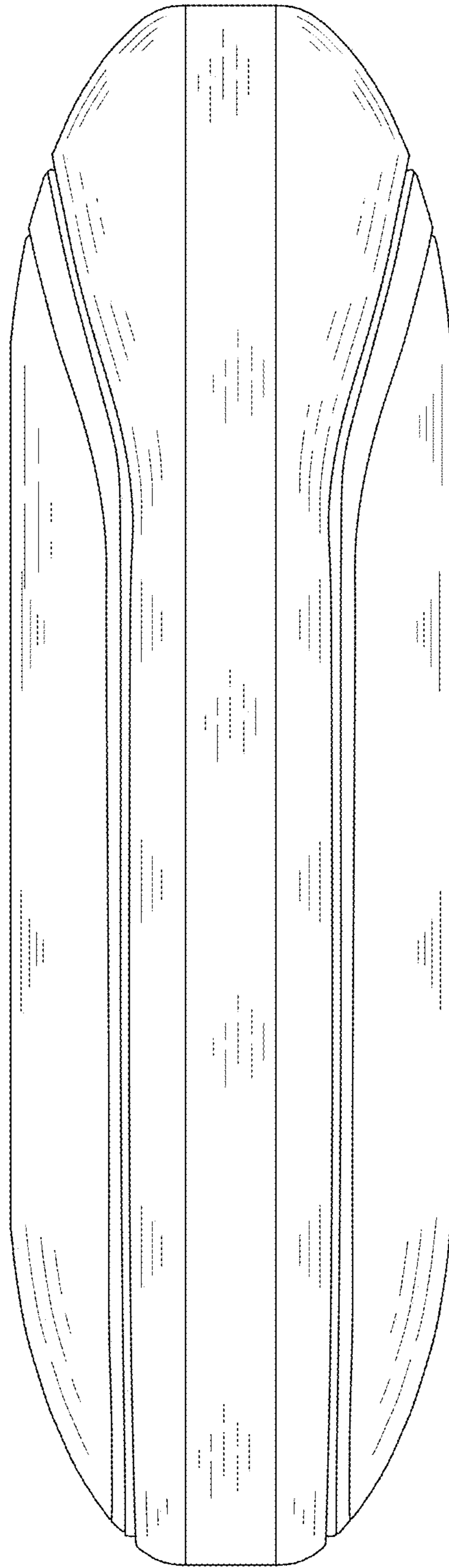


FIG. 5

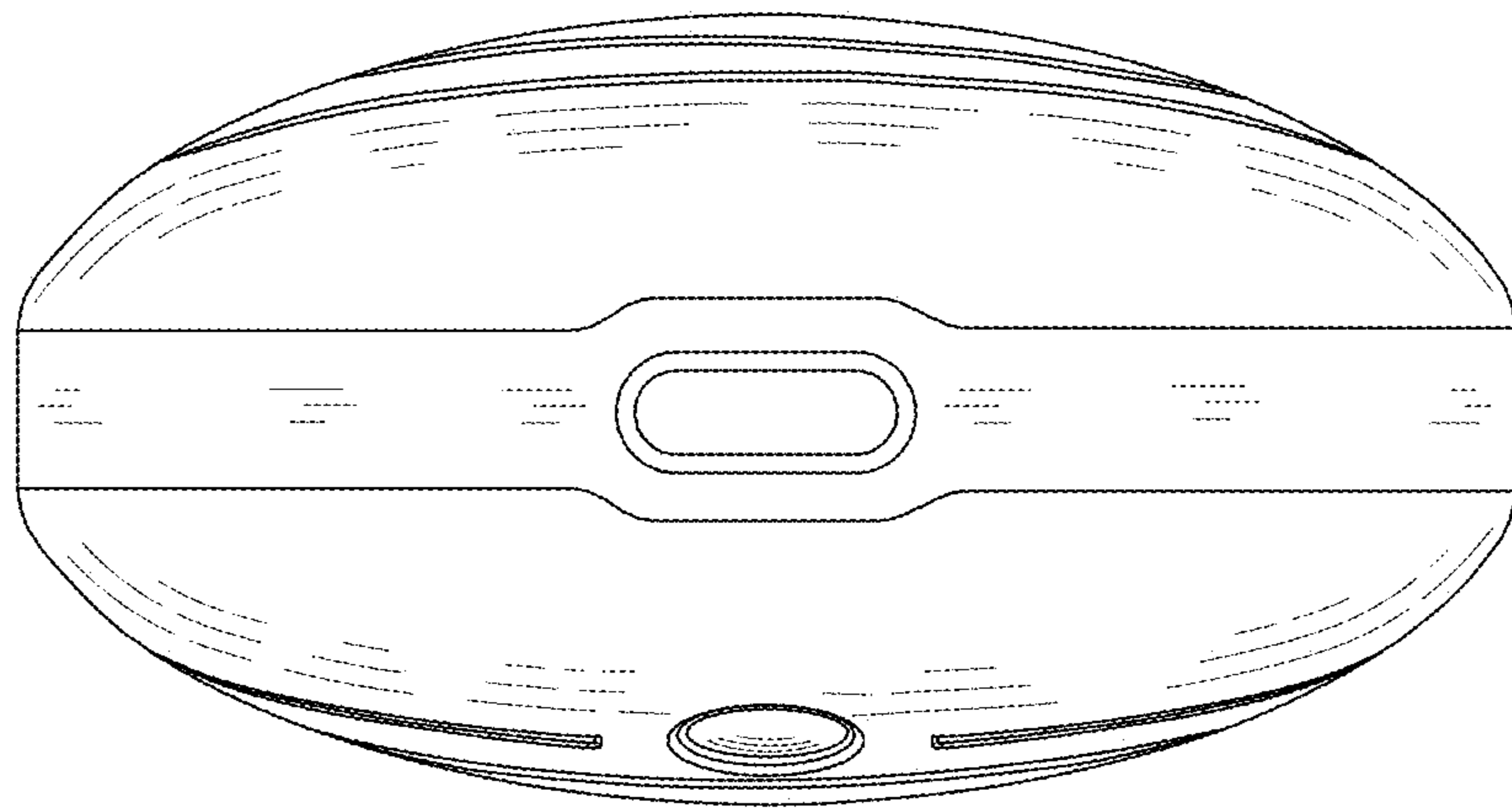


FIG. 6

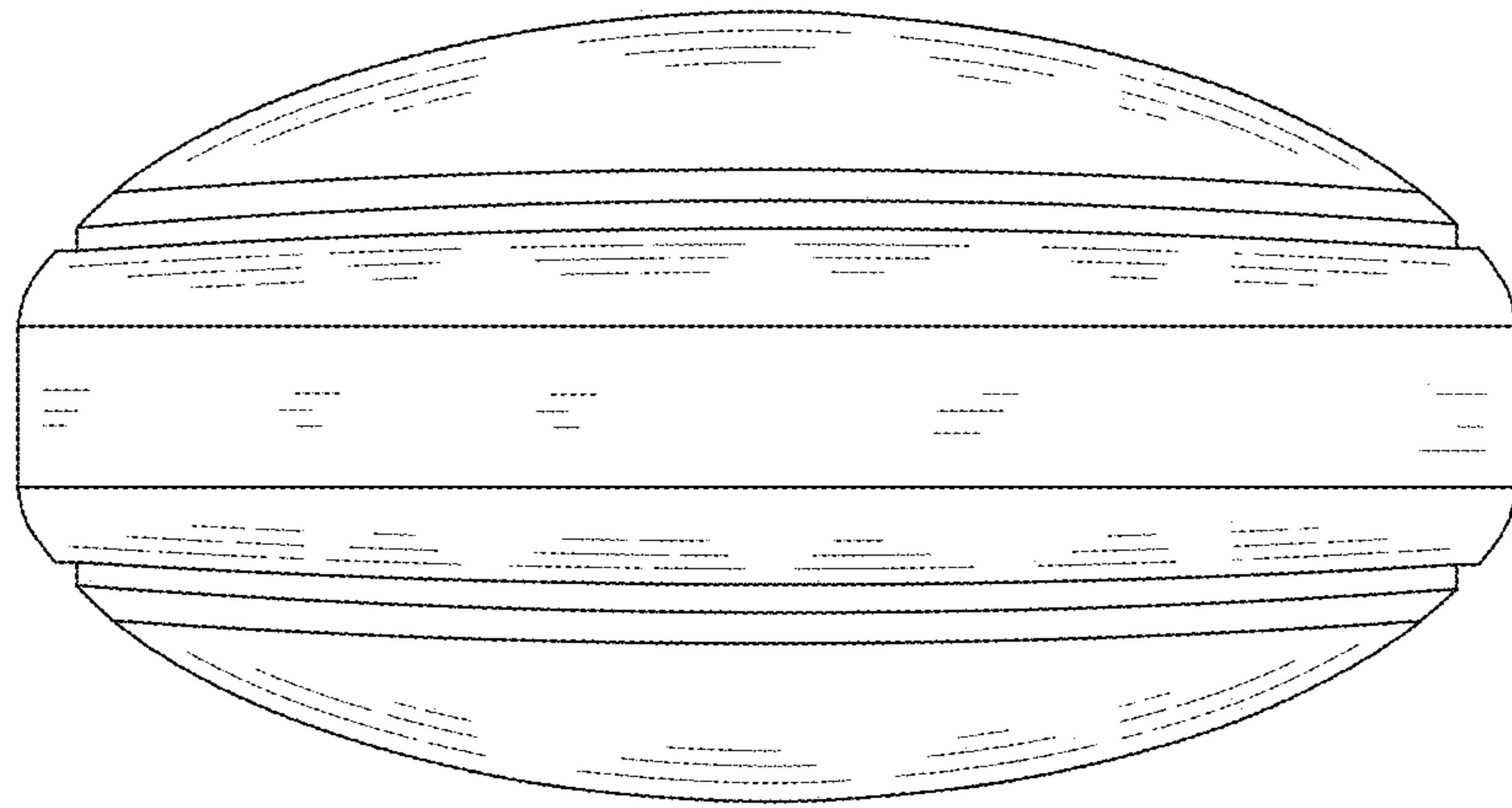


FIG. 7