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

(10) **Patent No.:** **US D768,863 S**  
(45) **Date of Patent:** **\*\* Oct. 11, 2016**

(54) **ORTHODONTIC LINGUAL LIGATURE**

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(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)

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(72) Inventors: **Ralf M. Paehl**, Melle (DE); **Barbara Andrea Thalheim**, Stemwede (DE); **Thomas Weise**, Bremen (DE)

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(73) Assignee: **3M Innovative Properties Company**, St. Paul, MN (US)

**OTHER PUBLICATIONS**

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

“Elastics and Accessories, Correction With Control”, Ortho Specialties, St. Charles, IL, USA [on line], published 2015, [retrieved from the internet on Jul. 19, 2015], [http://orthospecialties.com/images/products/products\\_intro\\_page/pdf\\_links/Elastics\\_Accessories.pdf](http://orthospecialties.com/images/products/products_intro_page/pdf_links/Elastics_Accessories.pdf), pp. 7.

(21) Appl. No.: **29/529,774**

(22) Filed: **Jun. 10, 2015**

\* cited by examiner

(30) **Foreign Application Priority Data**

Dec. 10, 2014 (EM) ..... 11426571

*Primary Examiner* — Wan Laymon

(51) **LOC (10) Cl.** ..... **24-99**

(52) **U.S. Cl.**  
USPC ..... **D24/180**

(57) **CLAIM**

The ornamental design for an orthodontic lingual ligature, as shown and described.

(58) **Field of Classification Search**

USPC ..... D24/176–182

CPC ..... A61C 7/00; A61C 7/02; A61C 7/06;

A61C 7/08; A61C 7/10; A61C 7/12; A61C

7/145; A61C 7/146; A61C 7/303

See application file for complete search history.

**DESCRIPTION**

FIG. 1 a perspective view thereof;

FIG. 2 is a side view thereof;

FIG. 3 is a top view thereof;

FIG. 4 is a bottom view thereof; and,

FIG. 5 is a front view thereof.

The broken lines shown in the figures represent portions of the orthodontic lingual ligature and form no part of the claimed design.

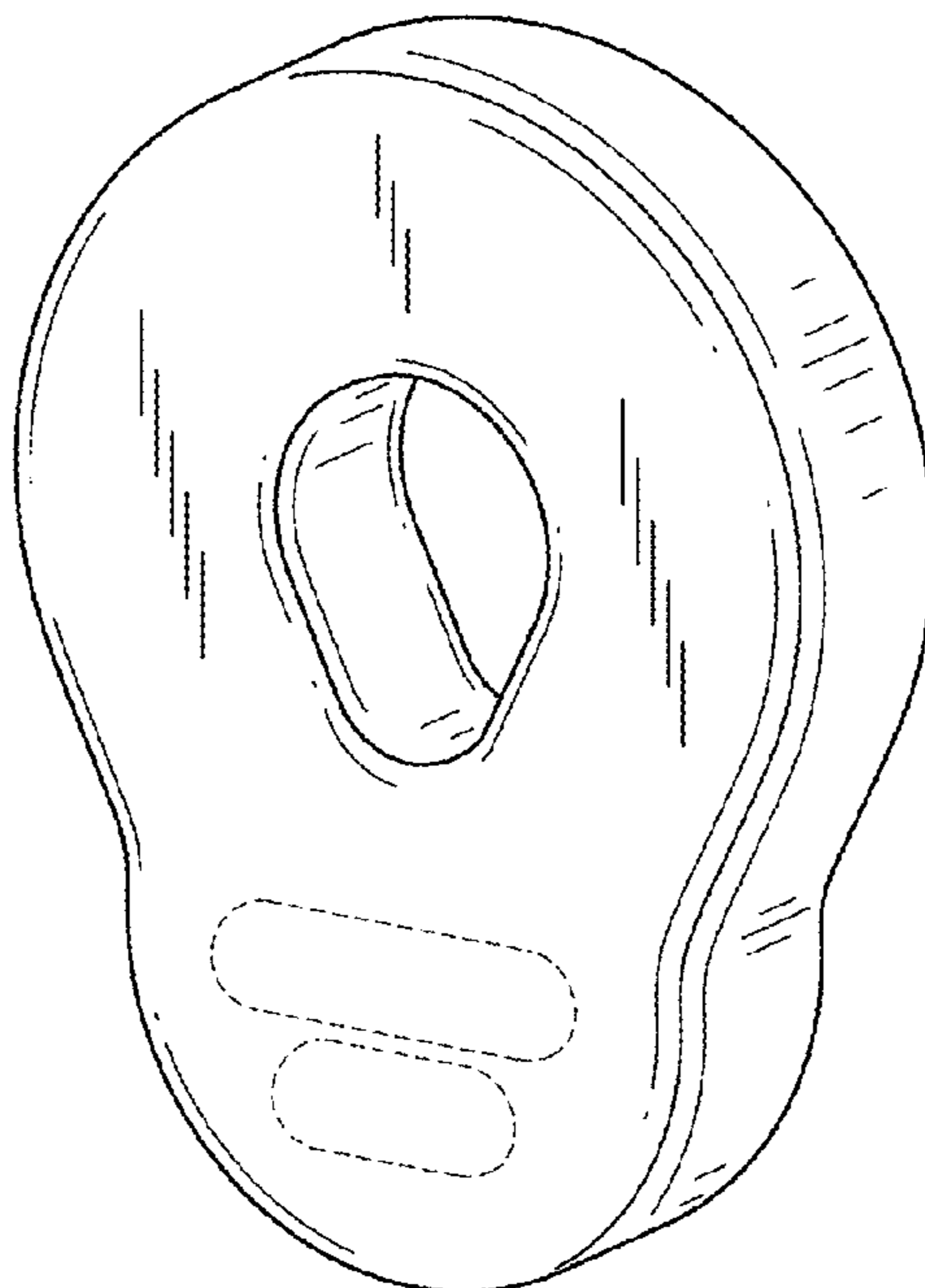
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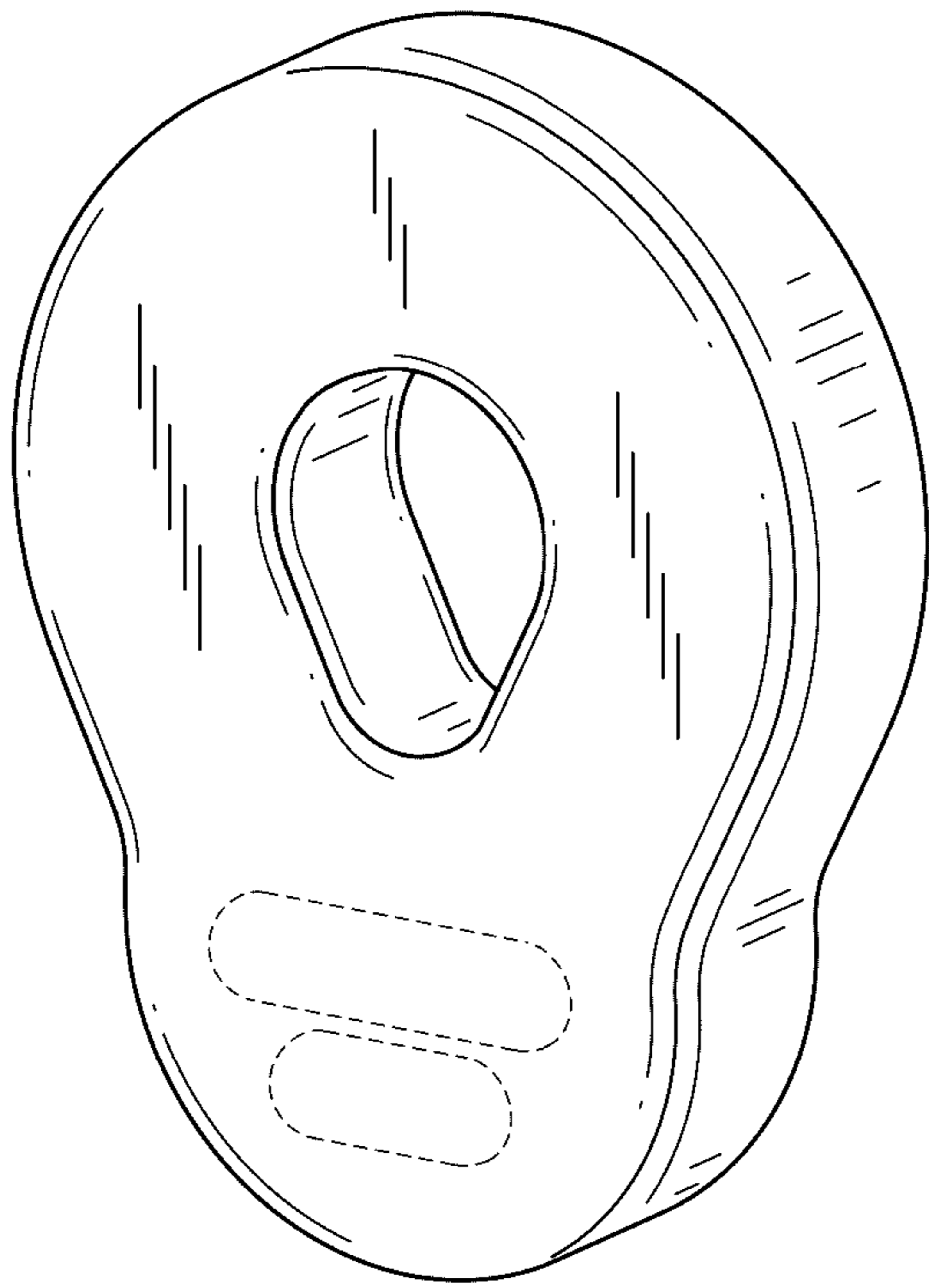
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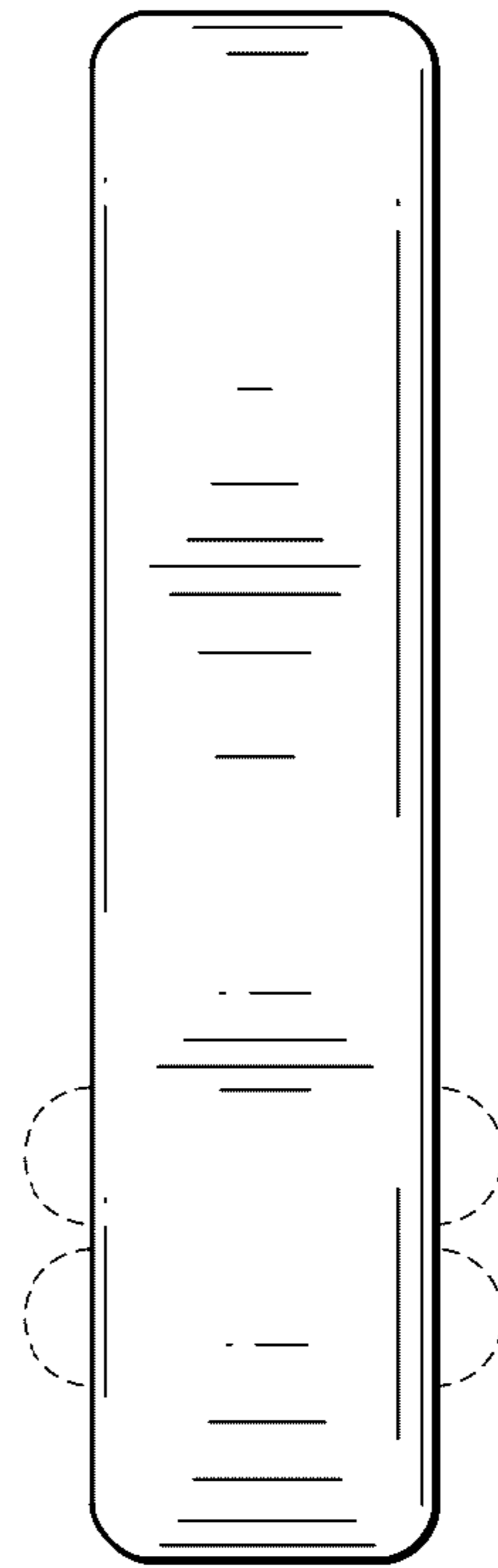
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**1 Claim, 1 Drawing Sheet**

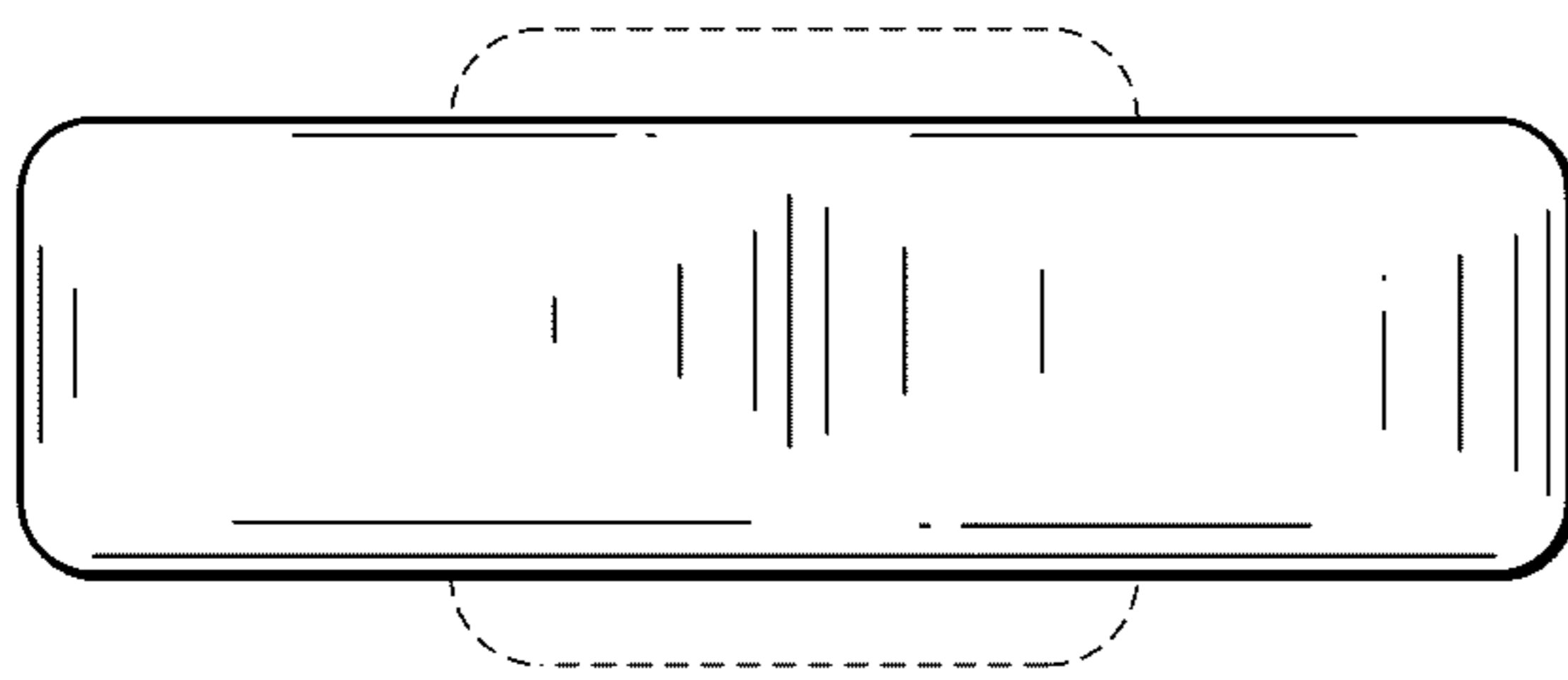




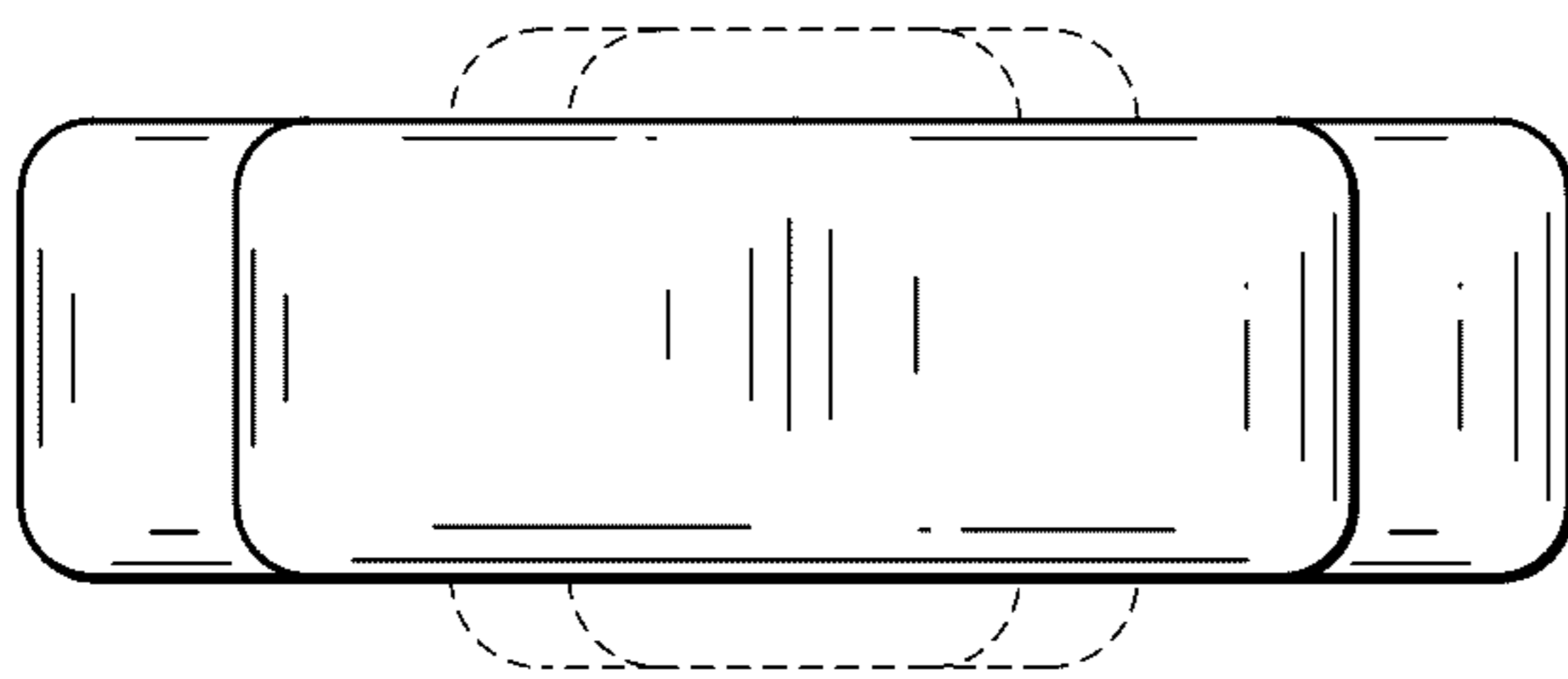
*FIG. 1*



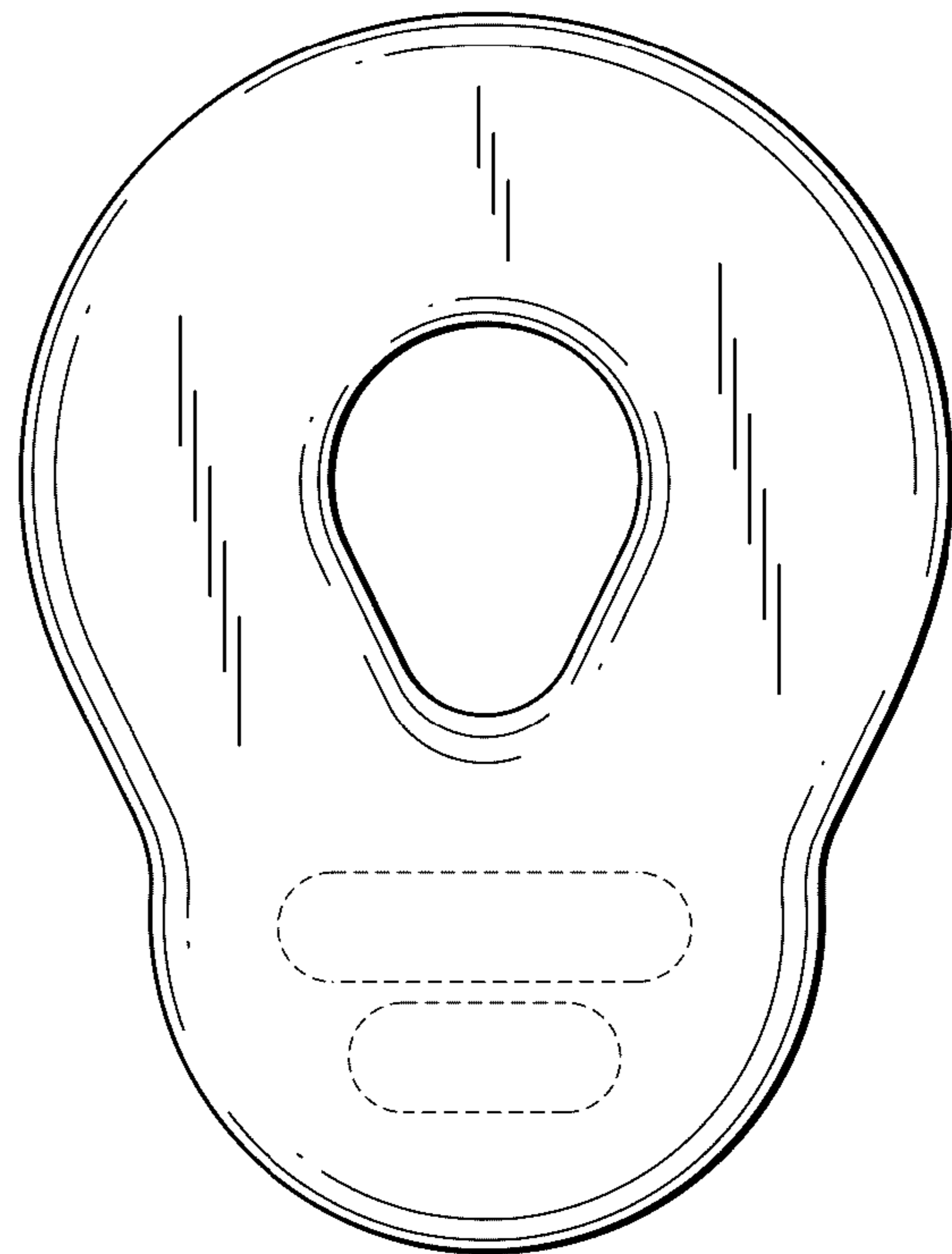
*FIG. 2*



*FIG. 3*



*FIG. 4*



*FIG. 5*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D768,863 S  
APPLICATION NO. : 29/529774  
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INVENTOR(S) : Ralf Paehl et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Column 1 (Item (30) Foreign Application Priority Data), Line 1 - delete "11426571" and  
insert -- 1426571 --.

Signed and Sealed this  
Seventeenth Day of January, 2017



Michelle K. Lee  
*Director of the United States Patent and Trademark Office*