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

(10) **Patent No.:** **US D865,827 S**

(45) **Date of Patent:** **\*\* Nov. 5, 2019**

(54) <b>ROBOT END EFFECTOR</b>	4,648,388 A * 3/1987 Steffee ..... A61B 17/7005 248/316.6
(71) Applicant: <b>GLOBUS MEDICAL, INC.</b> , Audubon, PA (US)	D336,518 S * 6/1993 Taylor ..... D24/140 D404,128 S * 1/1999 Huebner ..... D24/145 D576,727 S * 9/2008 Lowenstein ..... D24/133 7,938,829 B2 * 5/2011 Mullaney ..... A61B 17/645 403/385
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(73) Assignee: <b>Globus Medical, Inc.</b> , Audubon	8,083,775 B2 * 12/2011 Winslow ..... A61B 17/7001 606/264
(**) Term: <b>15 Years</b>	8,333,792 B2 * 12/2012 Winslow ..... A61B 17/7005 606/305
(21) Appl. No.: <b>29/629,814</b>	8,900,273 B2 * 12/2014 Fauth ..... A61B 17/7035 606/265

\* cited by examiner

*Primary Examiner* — Eliza Z Bennett-Hattan

(22) Filed: **Dec. 15, 2017**  
**Related U.S. Application Data**

(63) Continuation of application No. 29/577,709, filed on  
Sep. 15, 2016, now Pat. No. Des. 809,041.

(51) **LOC (12) Cl.** ..... **15-99**

(52) **U.S. Cl.**  
USPC ..... **D15/199**; D24/138

(58) **Field of Classification Search**  
USPC ..... D24/133, 150, 172, 137, 143, 144, 145,  
D24/146, 147, 138; D15/142, 199;  
D8/300, 107, 307

CPC ..... A61B 34/30; A61B 34/37; A61B 90/361;  
A61B 2034/305; A61B 34/71; A61B  
34/20; A61B 34/70; A61B 17/00234;  
A61B 2034/108; A61B 1/3132

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,483,334 A * 11/1984 Murray ..... A61B 17/60 403/391
4,567,884 A * 2/1986 Edwards ..... A61B 17/7004 606/276

(57) **CLAIM**

The ornamental design for a robot end effector, as shown and  
described herein.

**DESCRIPTION**

FIG. 1 shows a perspective view of the robot end effector  
showing a new design;

FIG. 2 shows a front view thereof;

FIG. 3 shows a rear view thereof;

FIG. 4 shows a side view thereof;

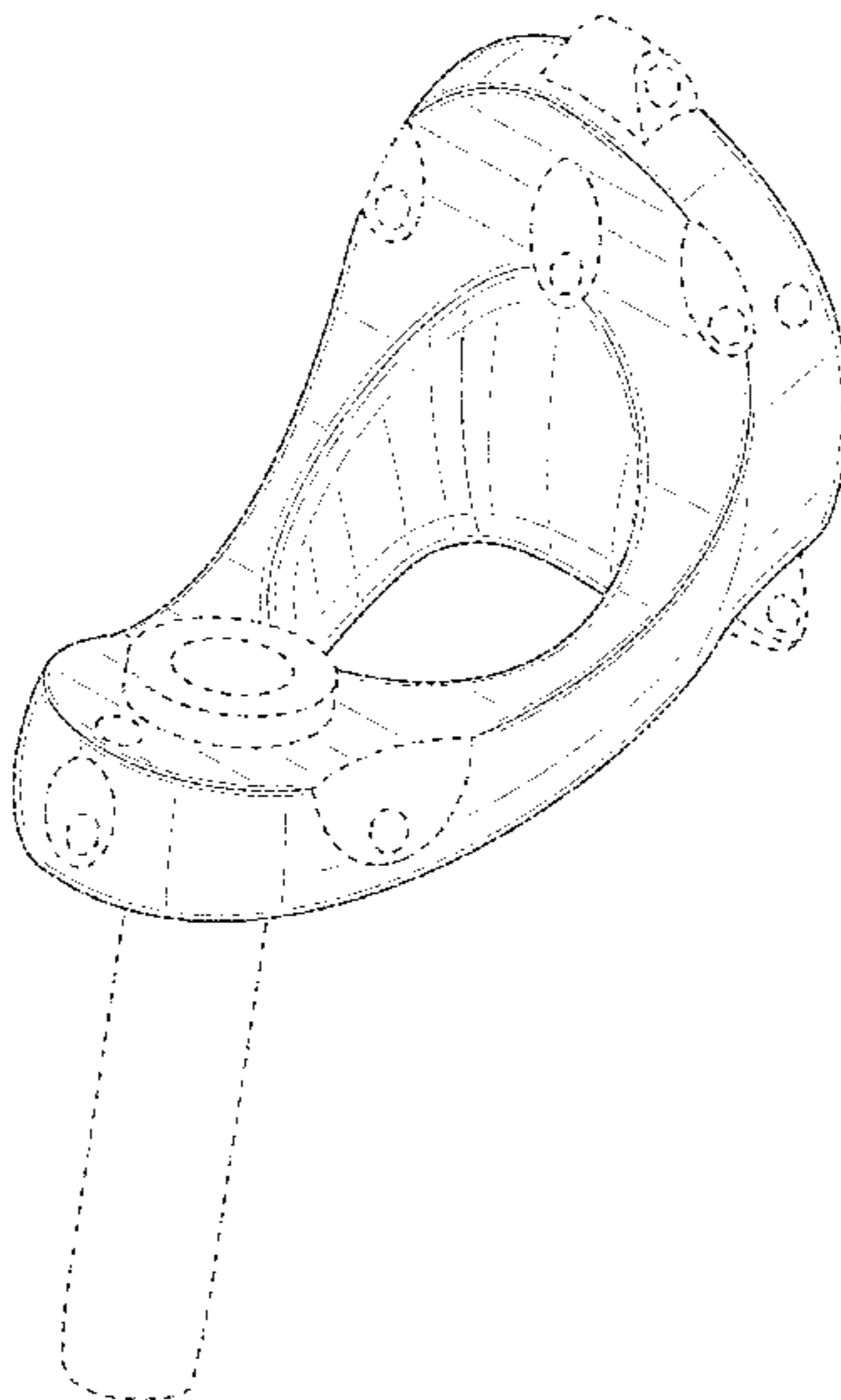
FIG. 5 shows another side view thereof;

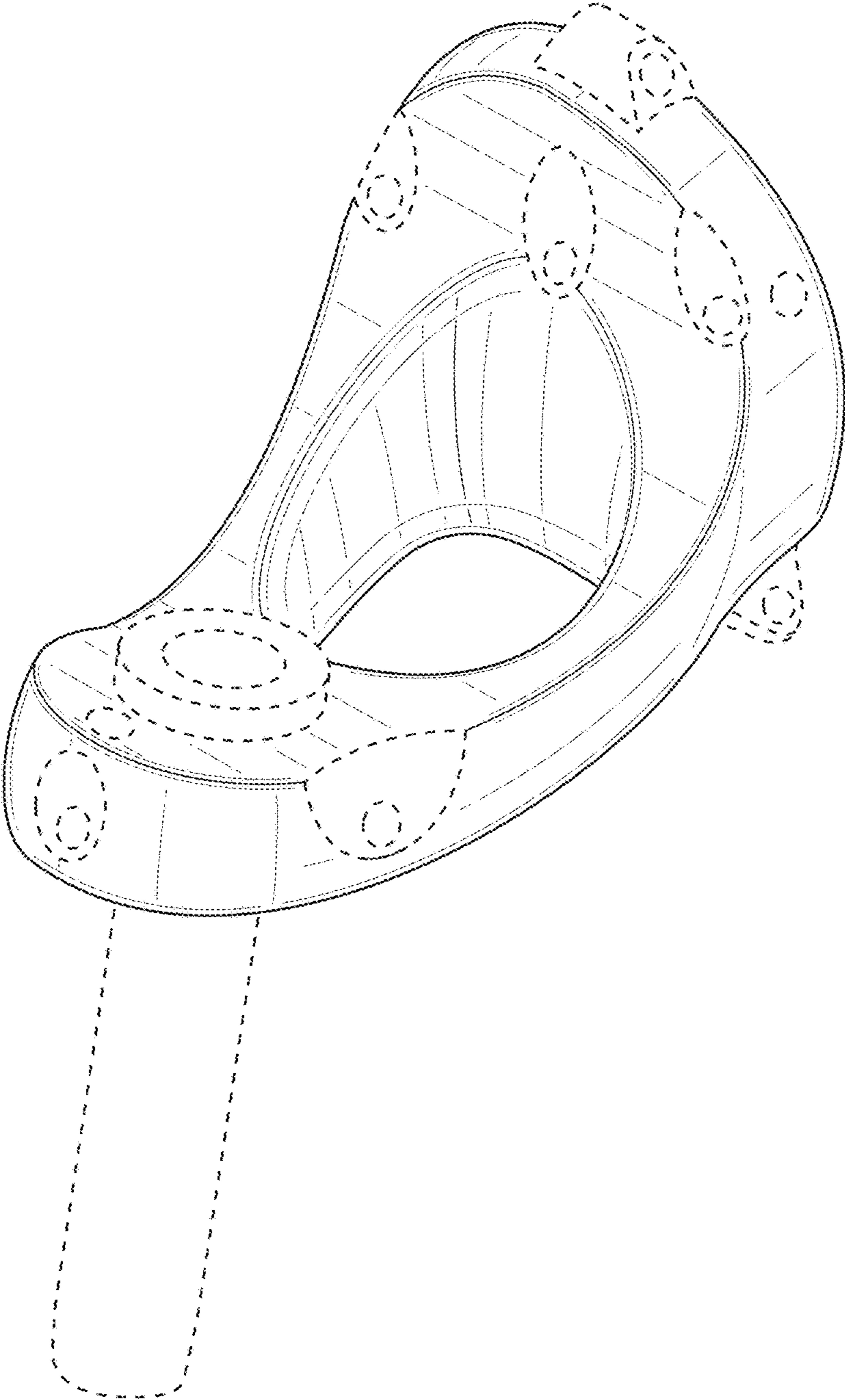
FIG. 6 shows a top view thereof; and,

FIG. 7 shows a bottom view thereof.

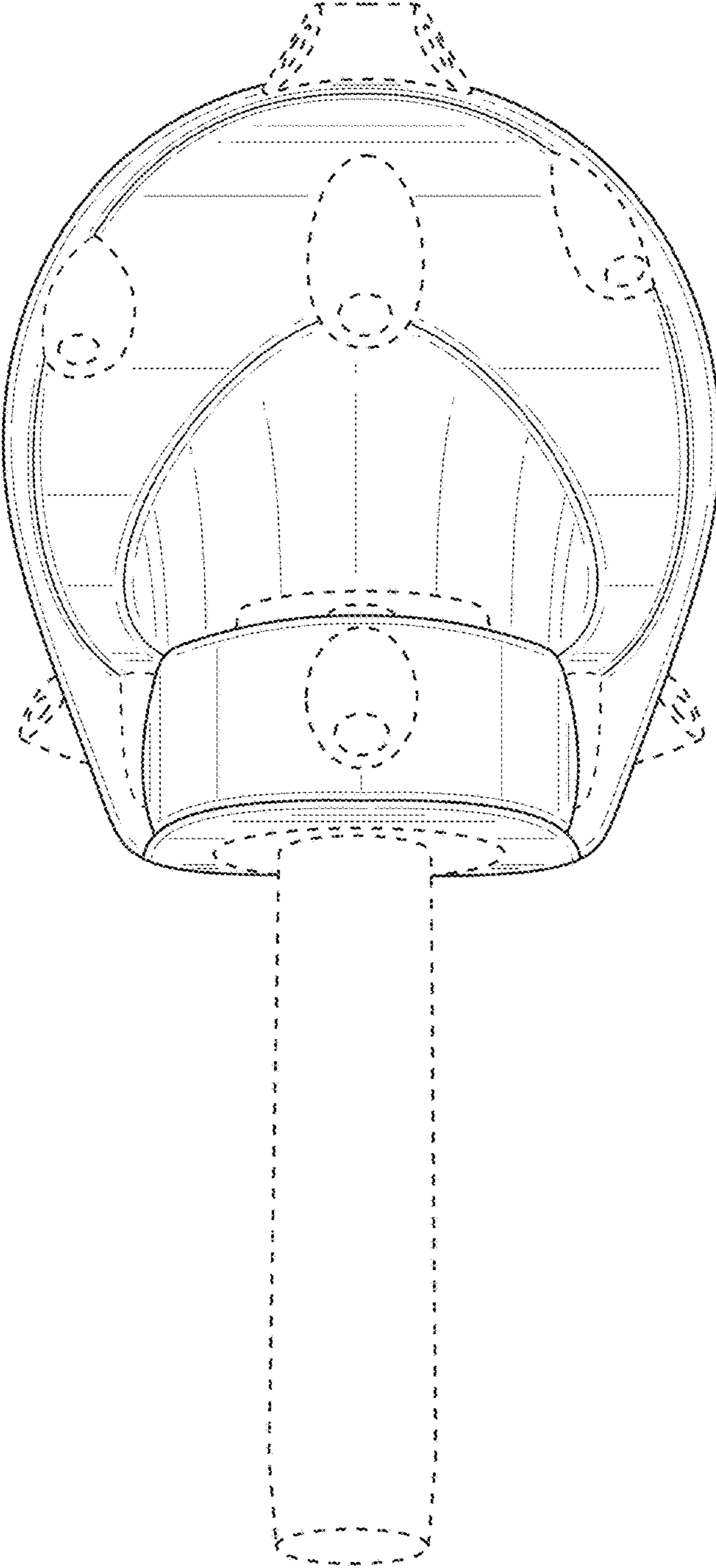
In the above drawings the broken lines and the areas within  
the broken lines form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**

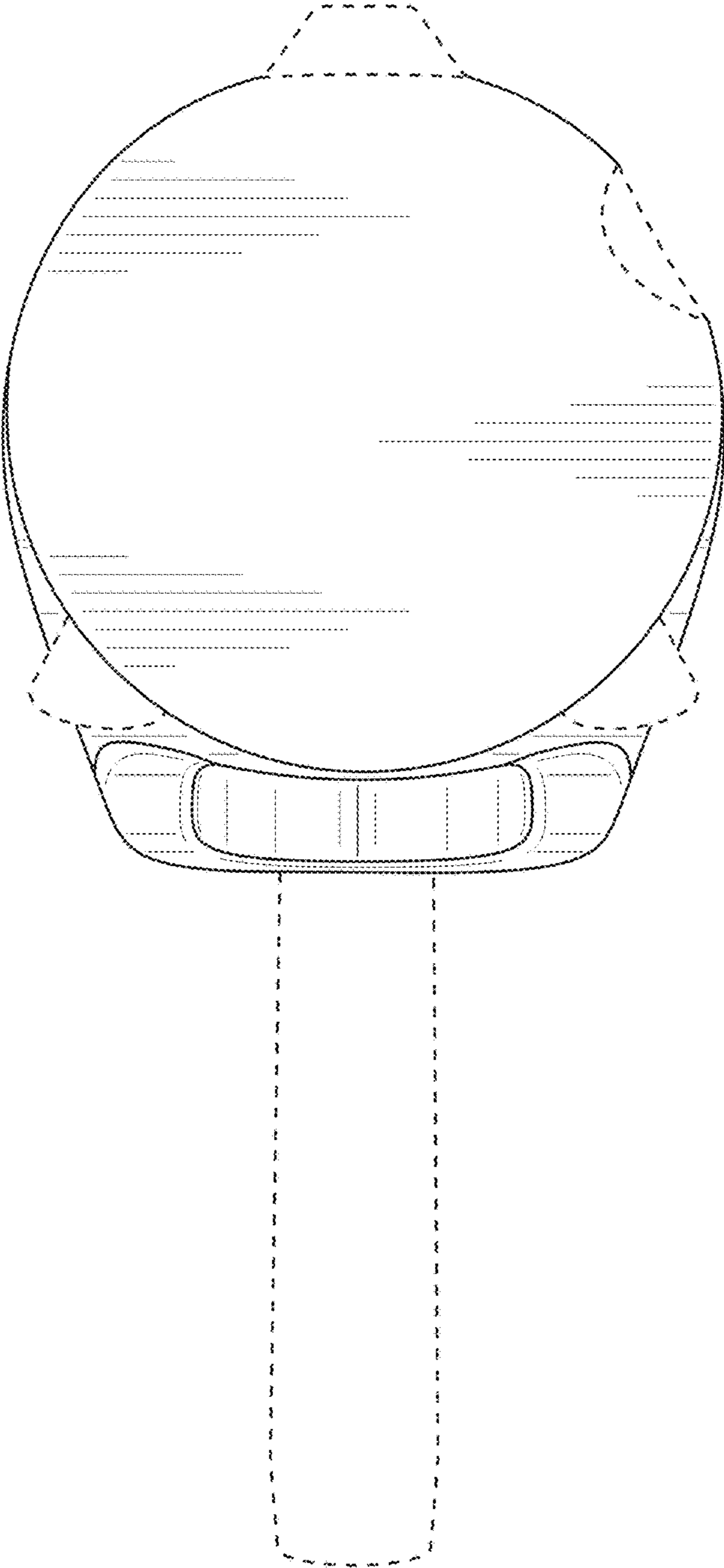




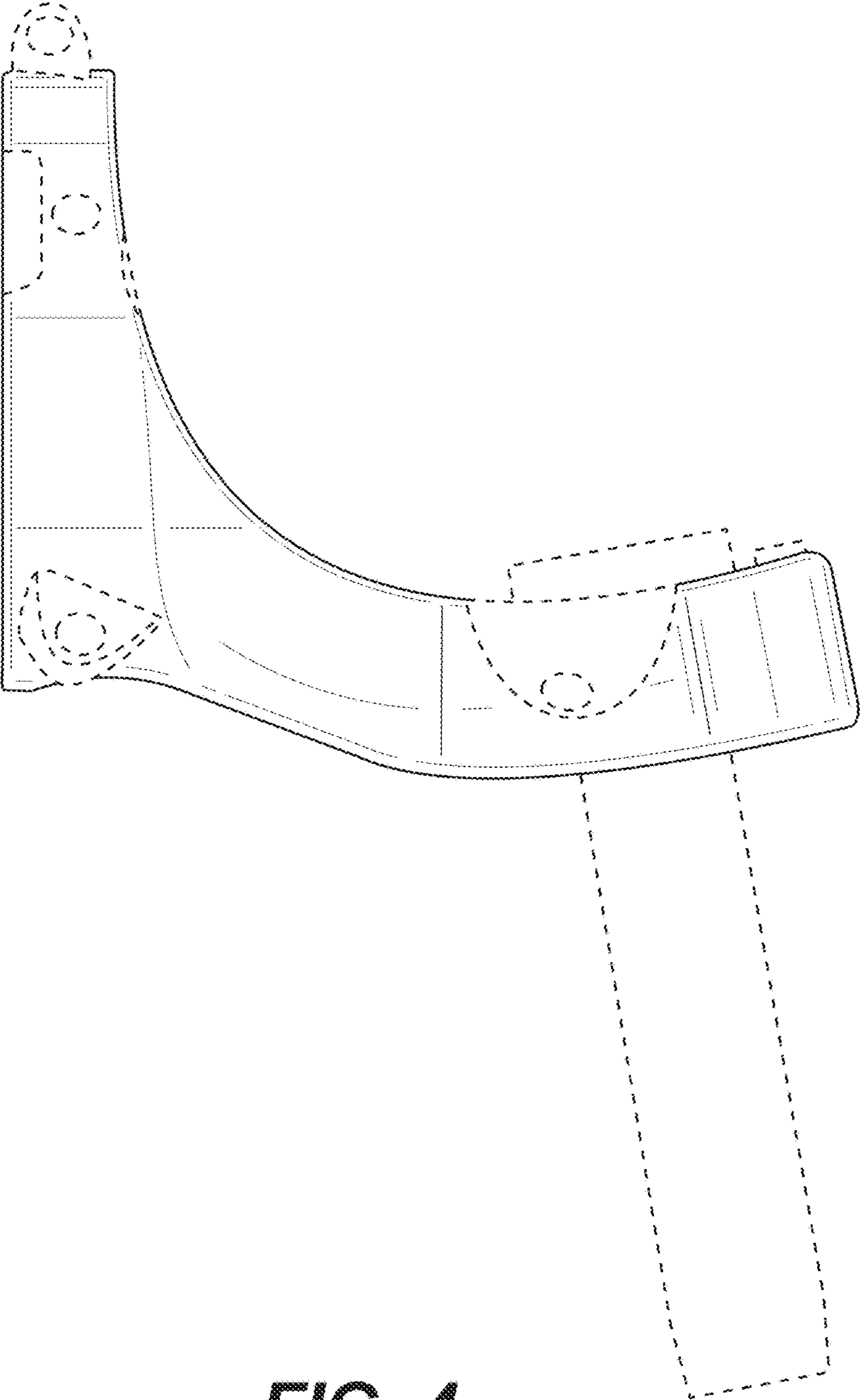
**FIG. 1**



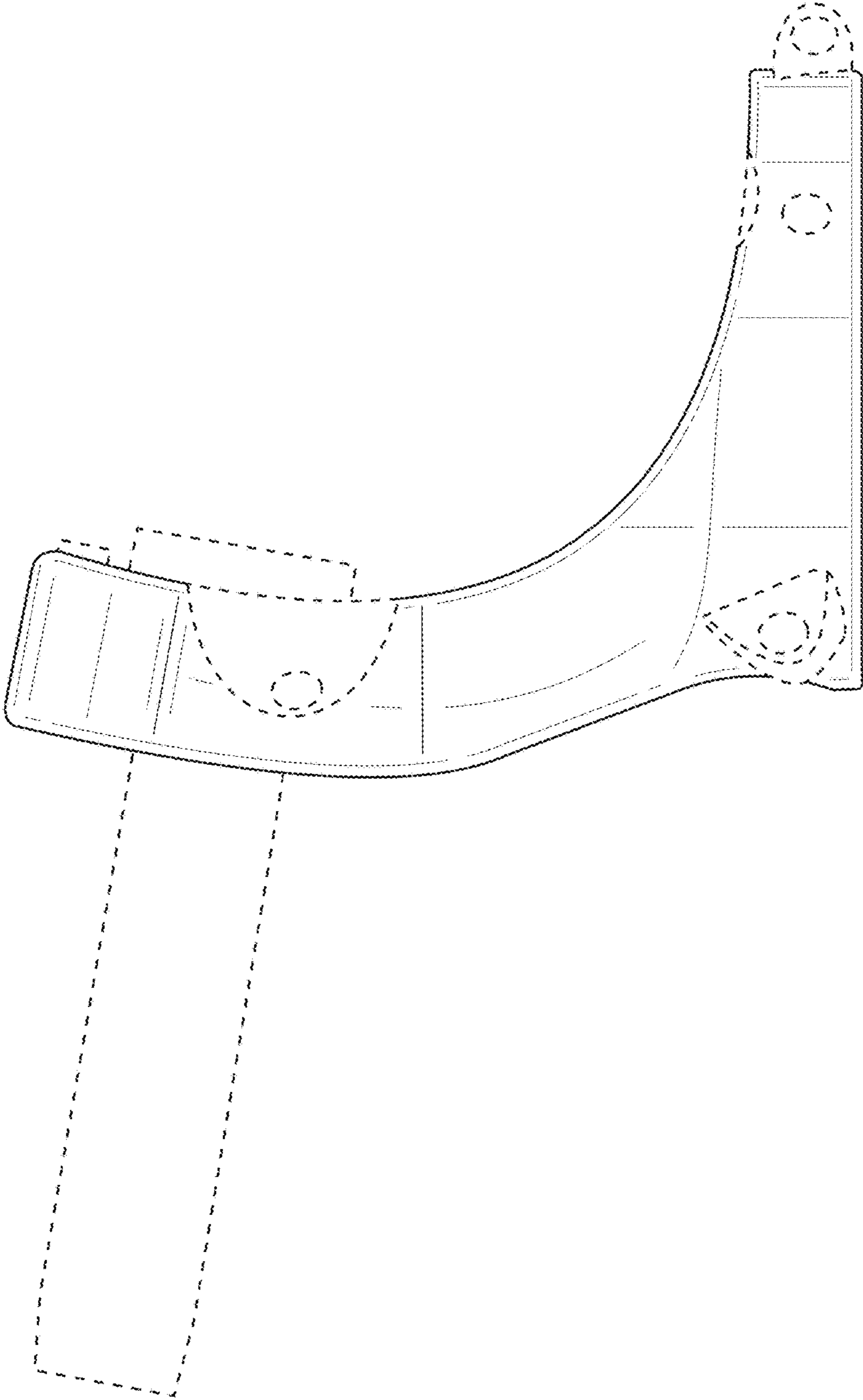
**FIG. 2**



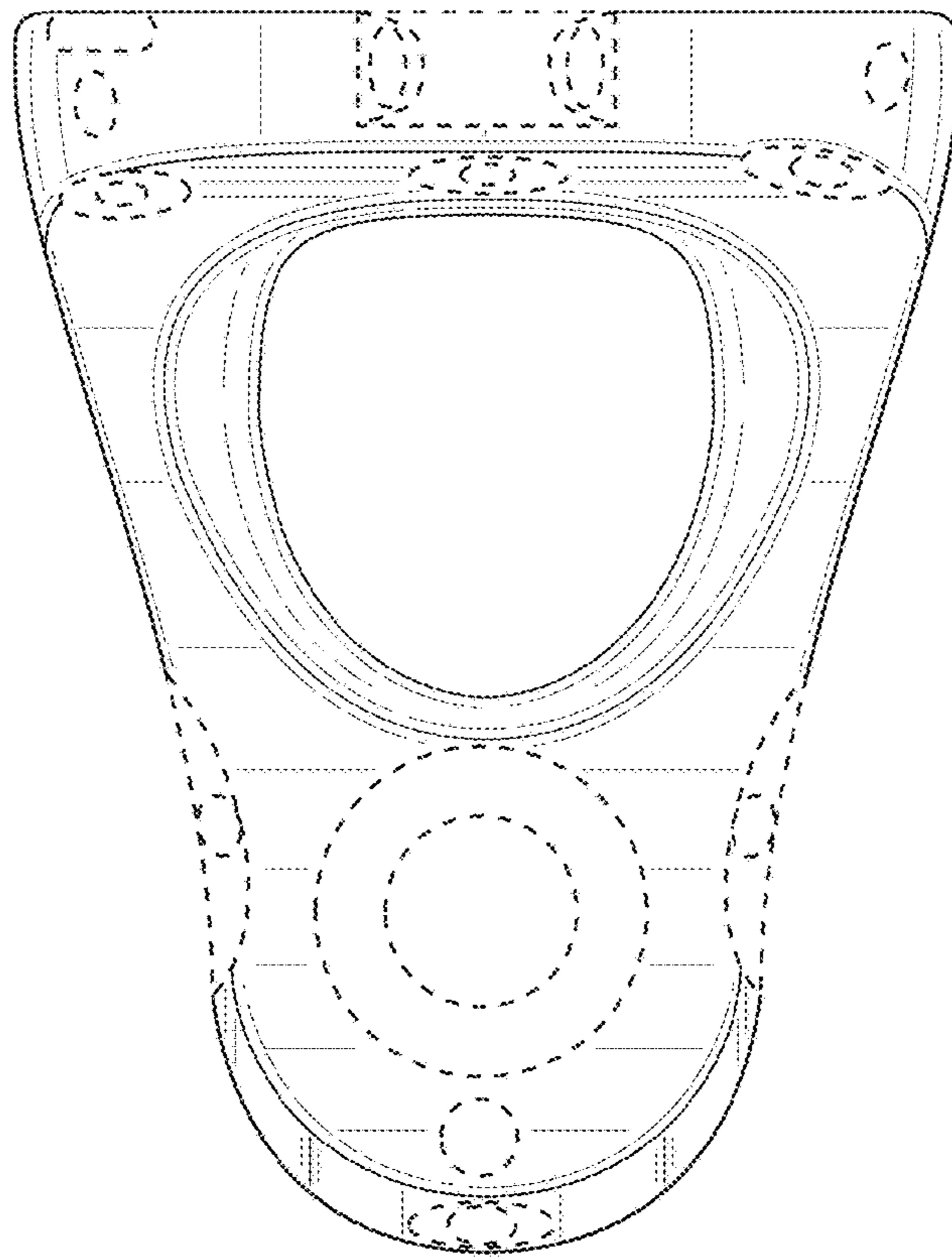
**FIG. 3**



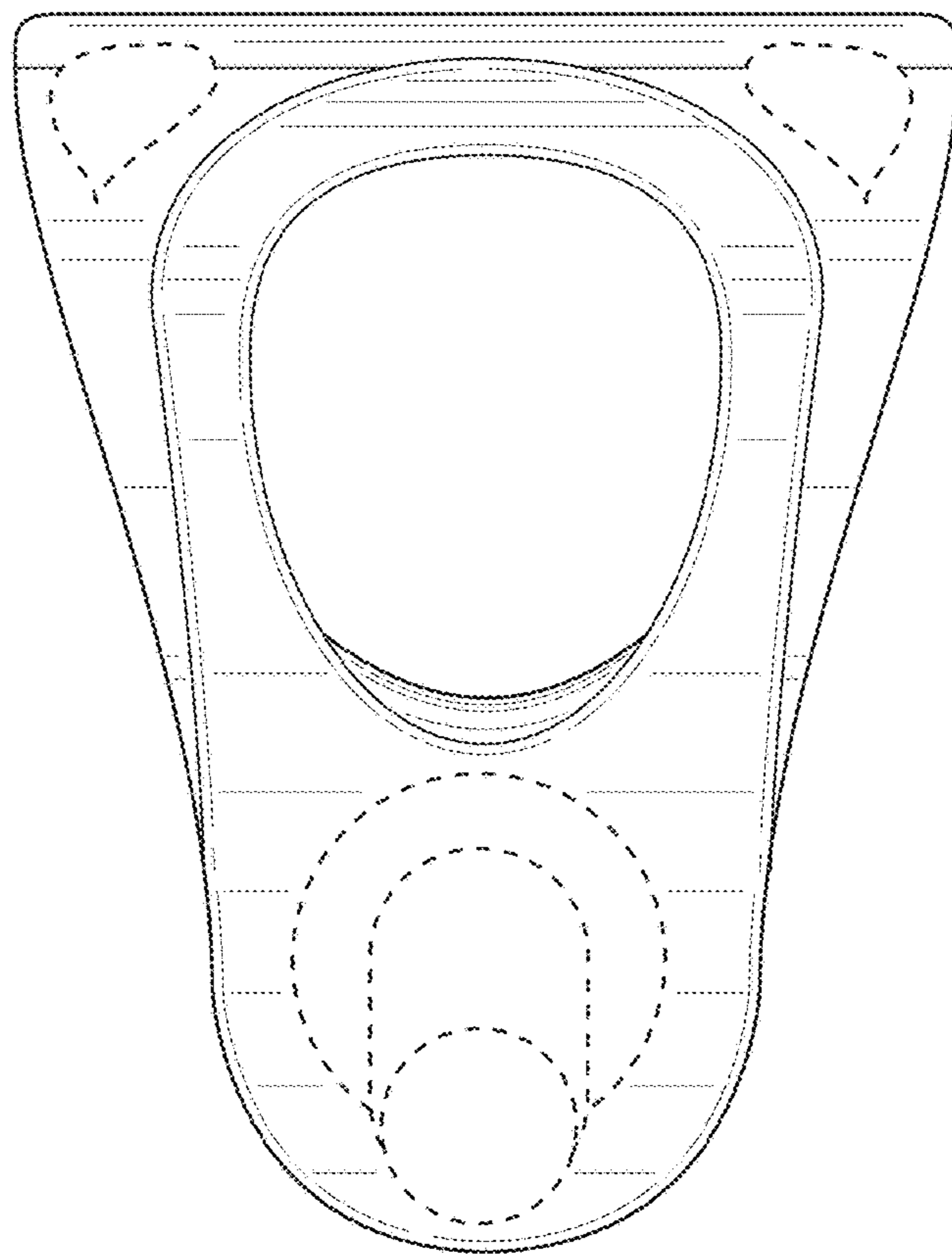
**FIG. 4**



**FIG. 5**



**FIG. 6**



**FIG. 7**