



US00D833014S

(12) **United States Design Patent** (10) **Patent No.:** **US D833,014 S**  
**Pilat** (45) **Date of Patent:** **\*\* Nov. 6, 2018**

(54) **PORTABLE SPIROMETER**  
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(73) Assignee: **HEALTHUP SP. Z.O.O.**, Warsaw (PL)  
(\*\*) Term: **15 Years**

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(51) **LOC (11) Cl.** ..... **24-02**  
(52) **U.S. Cl.**  
USPC ..... **D24/164**  
(58) **Field of Classification Search**  
USPC ..... D24/164, 140, 110, 169; D21/411;  
600/538, 532; 128/202.13; 482/13  
CPC ..... A61B 5/087; A61B 5/0875; A61F 5/08;  
A63B 21/0085  
See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a portable spirometer, as shown and described.

**DESCRIPTION**

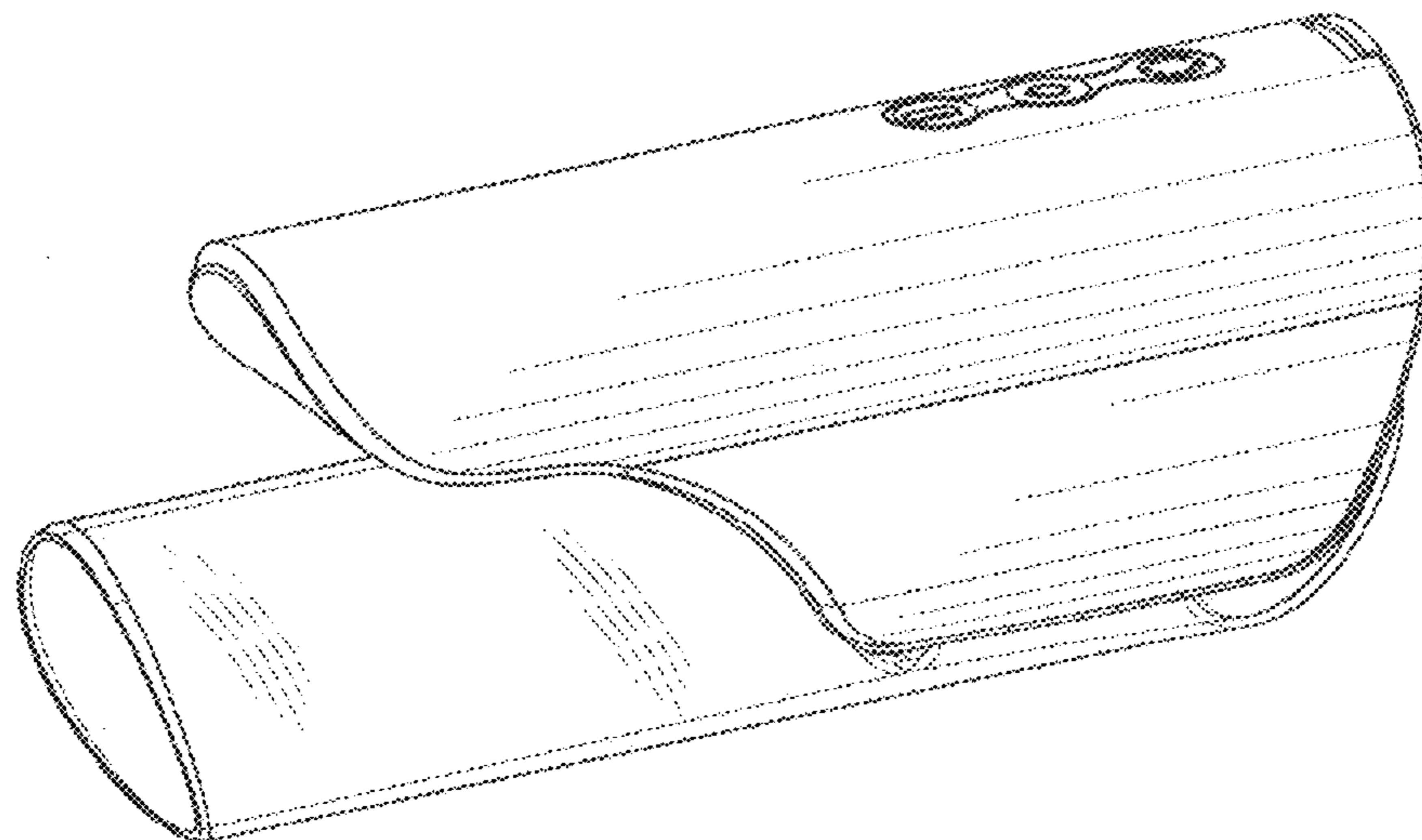
FIG. 1 is a front, top and left side perspective view of the portable spirometer according to the present invention; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a right side elevational view thereof; FIG. 5 is a left side elevational view thereof; FIG. 6 is a top plan view thereof; FIG. 7 is an exploded rear perspective view of the portable spirometer shown in FIG. 1 when separated into three parts; FIG. 8 is a front, top and left side perspective view of the connecting middle piece of the portable spirometer shown separately for clarity of the illustration; and, FIG. 9 is a front, bottom and left side perspective view of the connecting middle piece of the portable spirometer.

**1 Claim, 5 Drawing Sheets**

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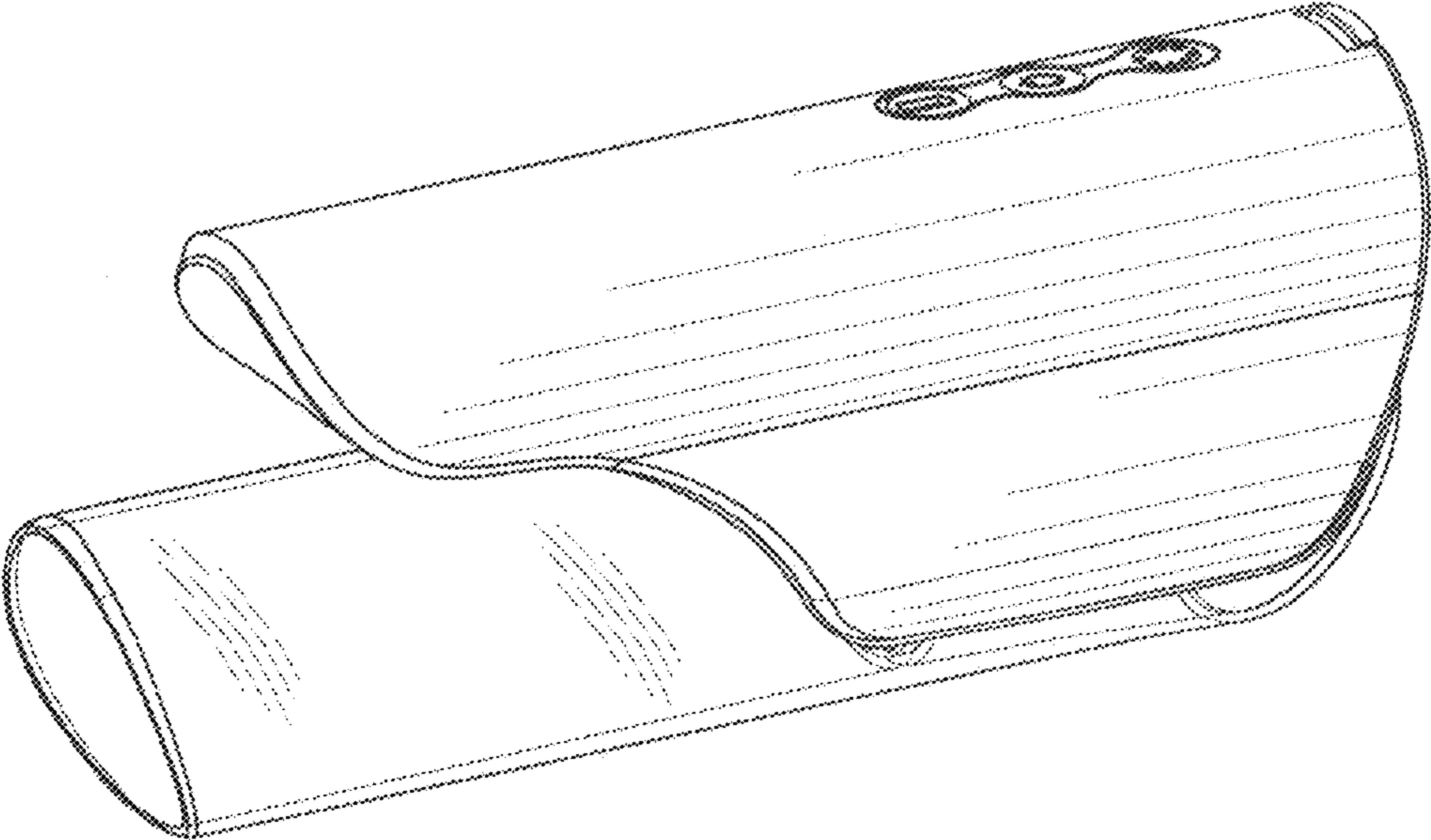


FIG. 1

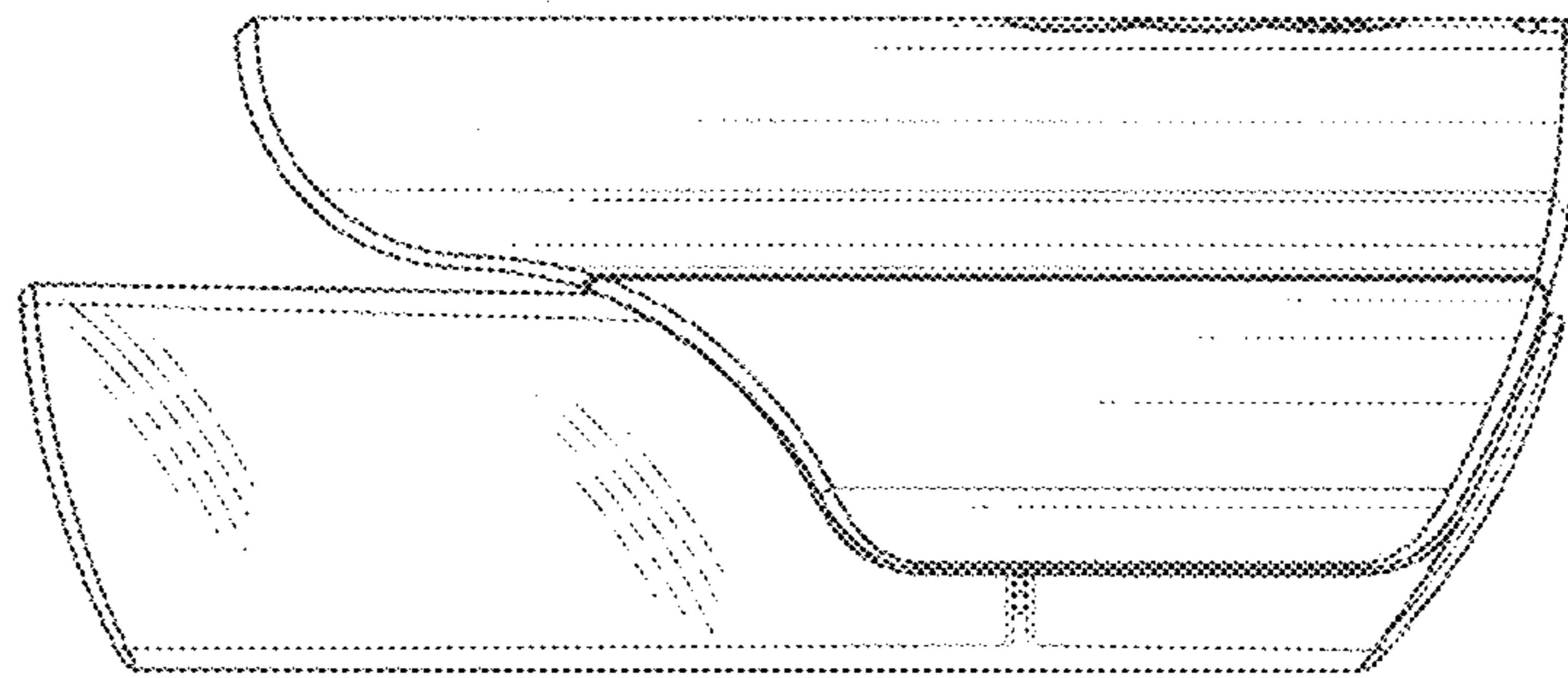


FIG. 2

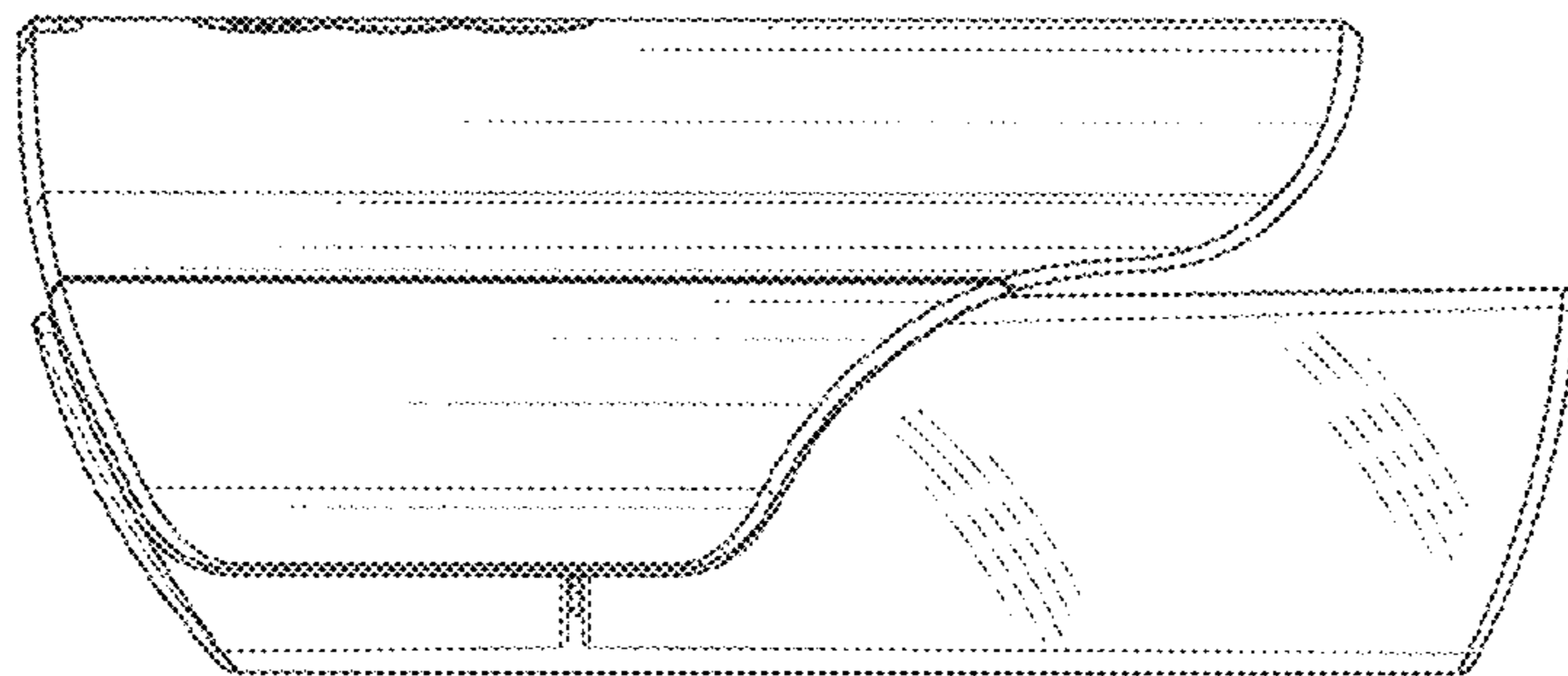


FIG. 3

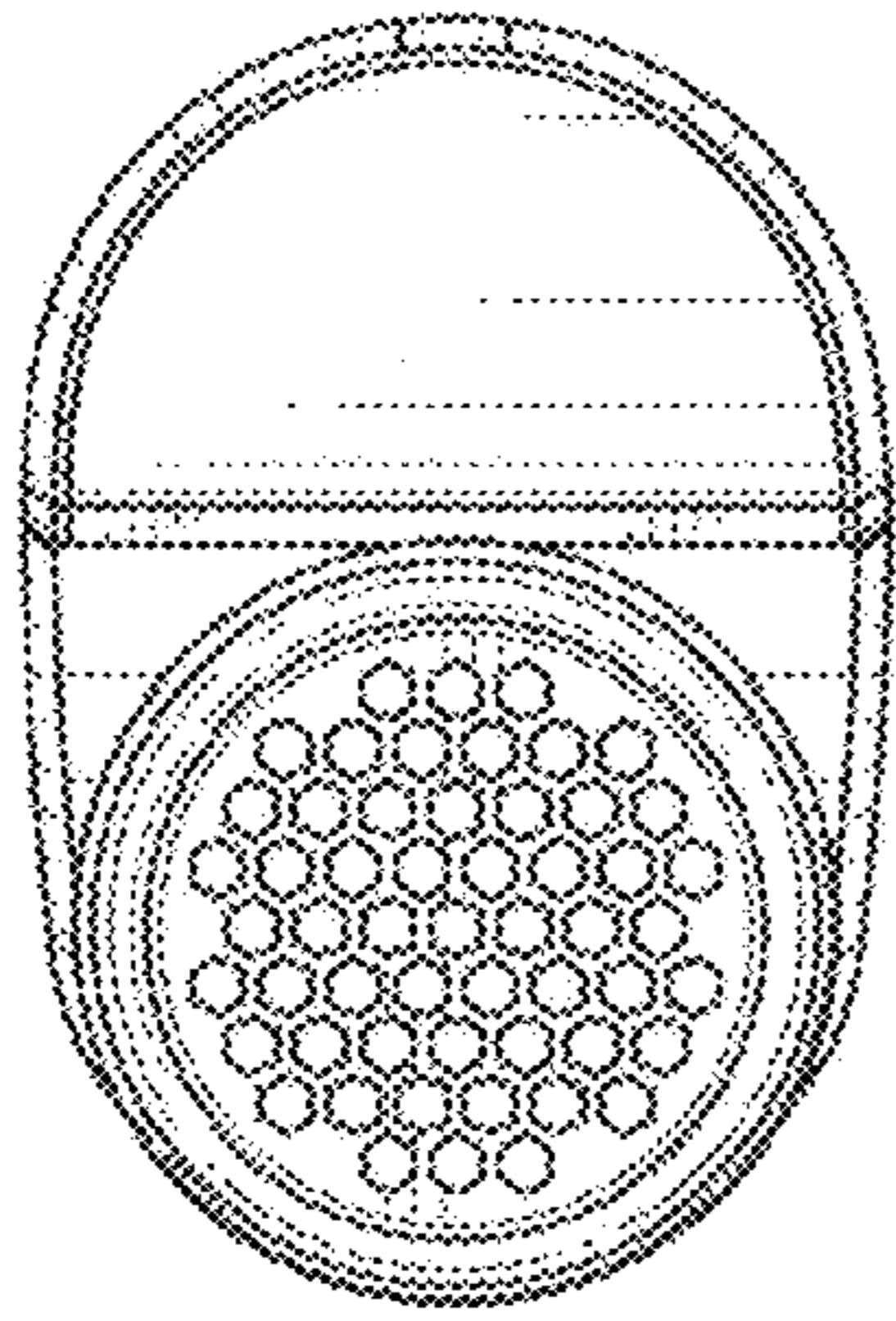


FIG. 4

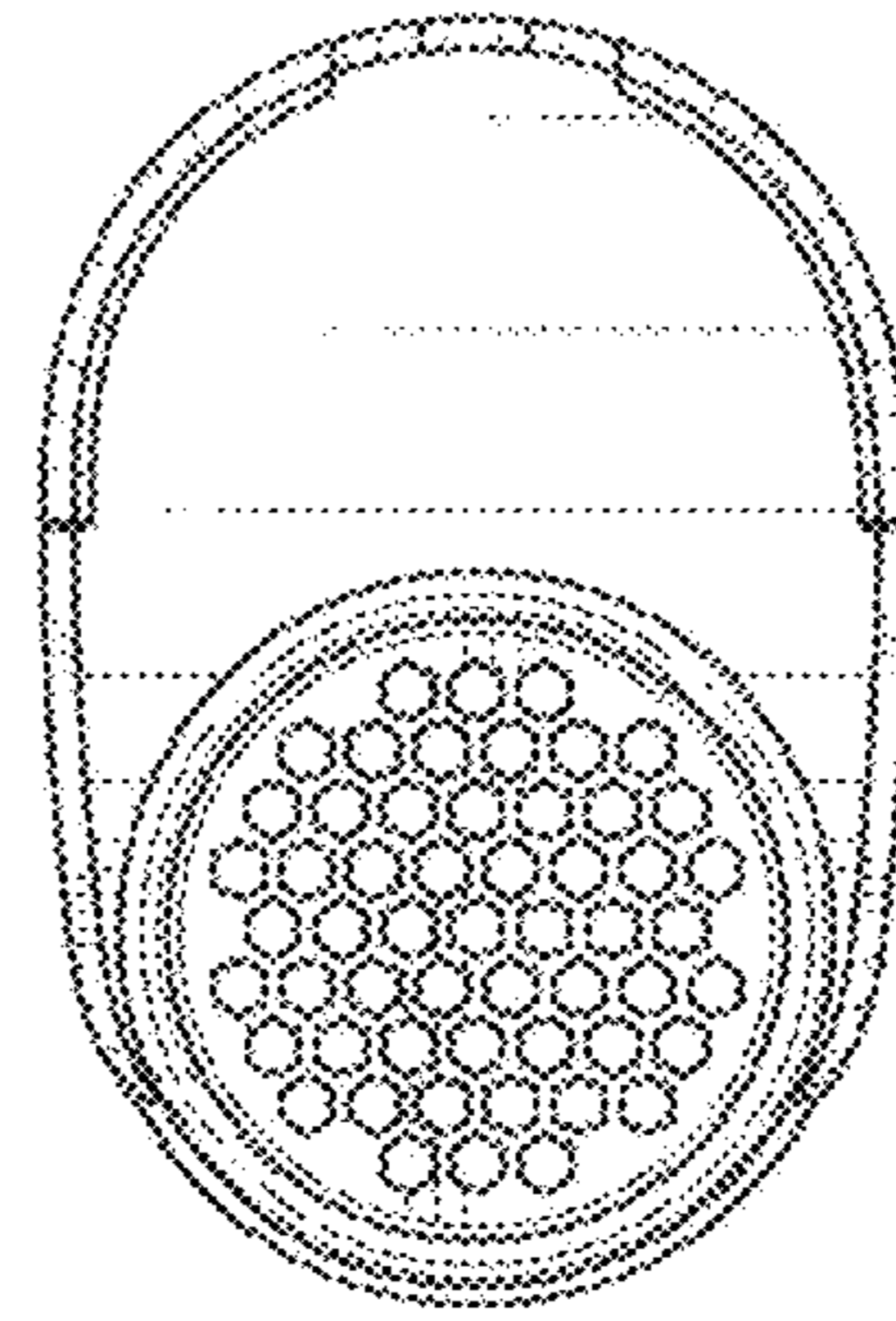


FIG. 5

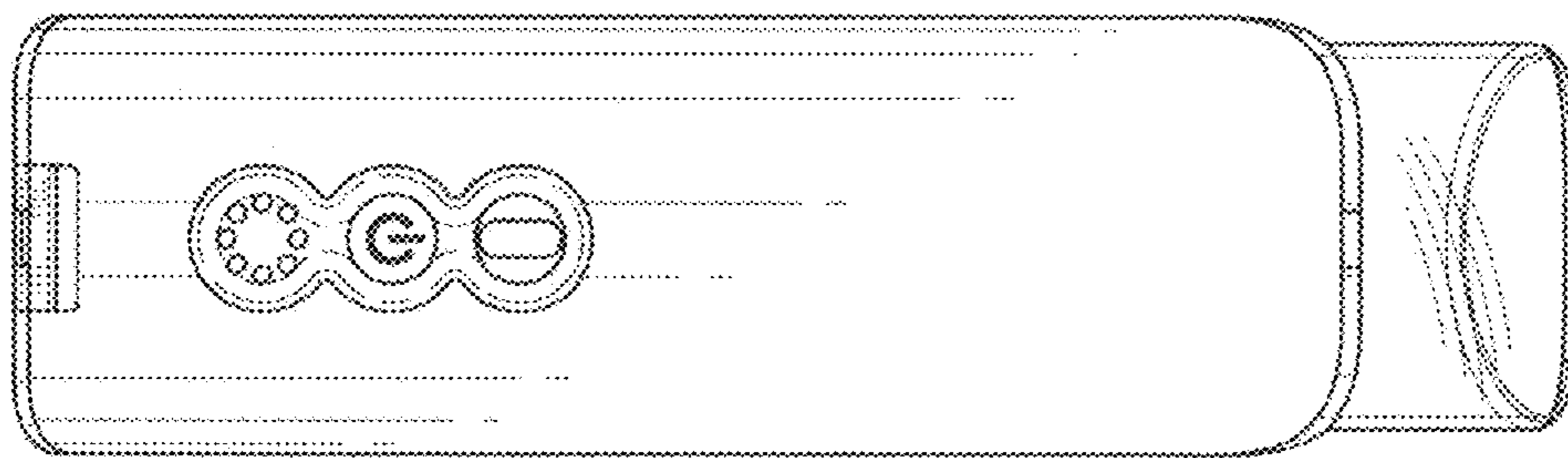


FIG. 6

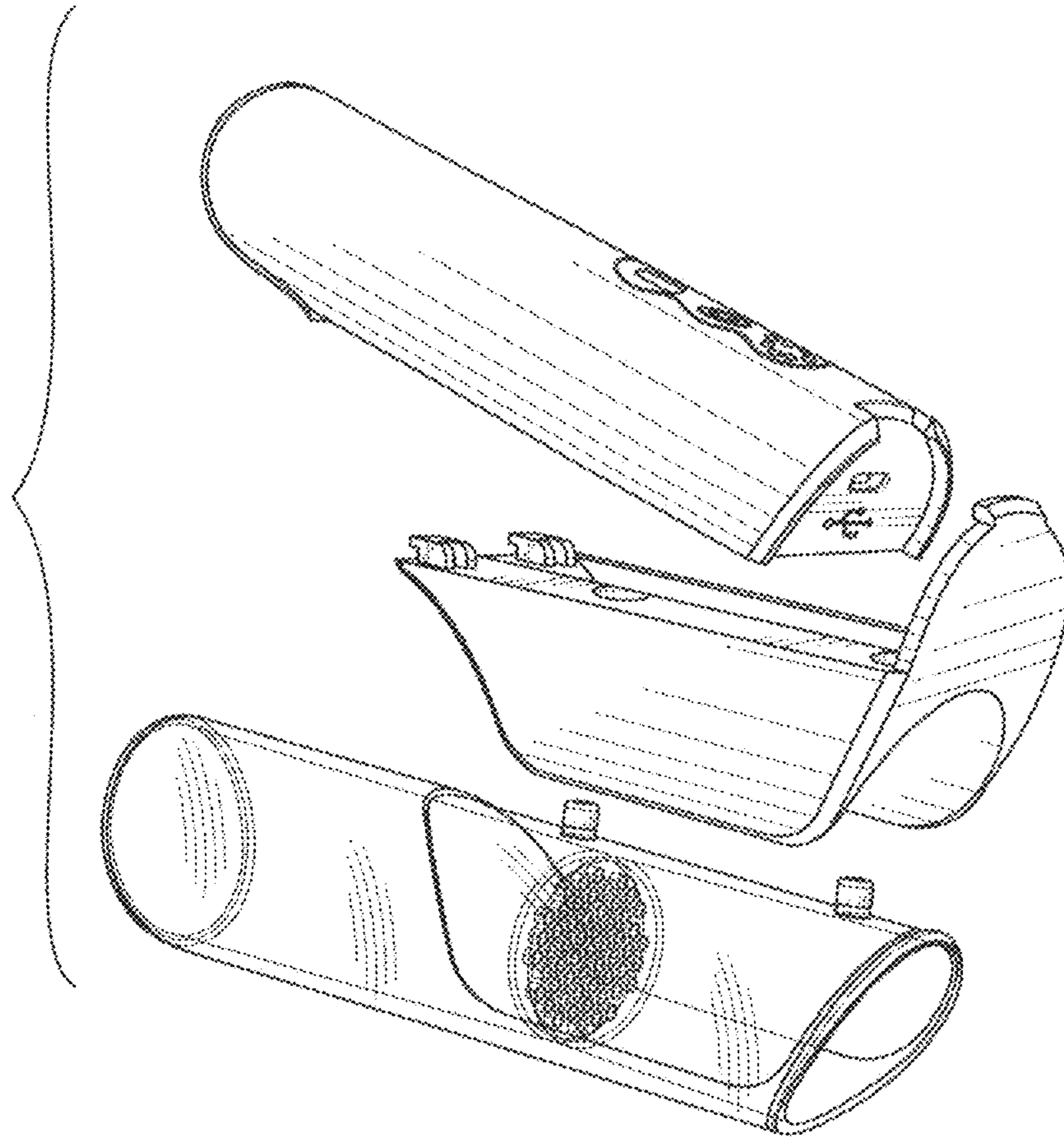


FIG. 7

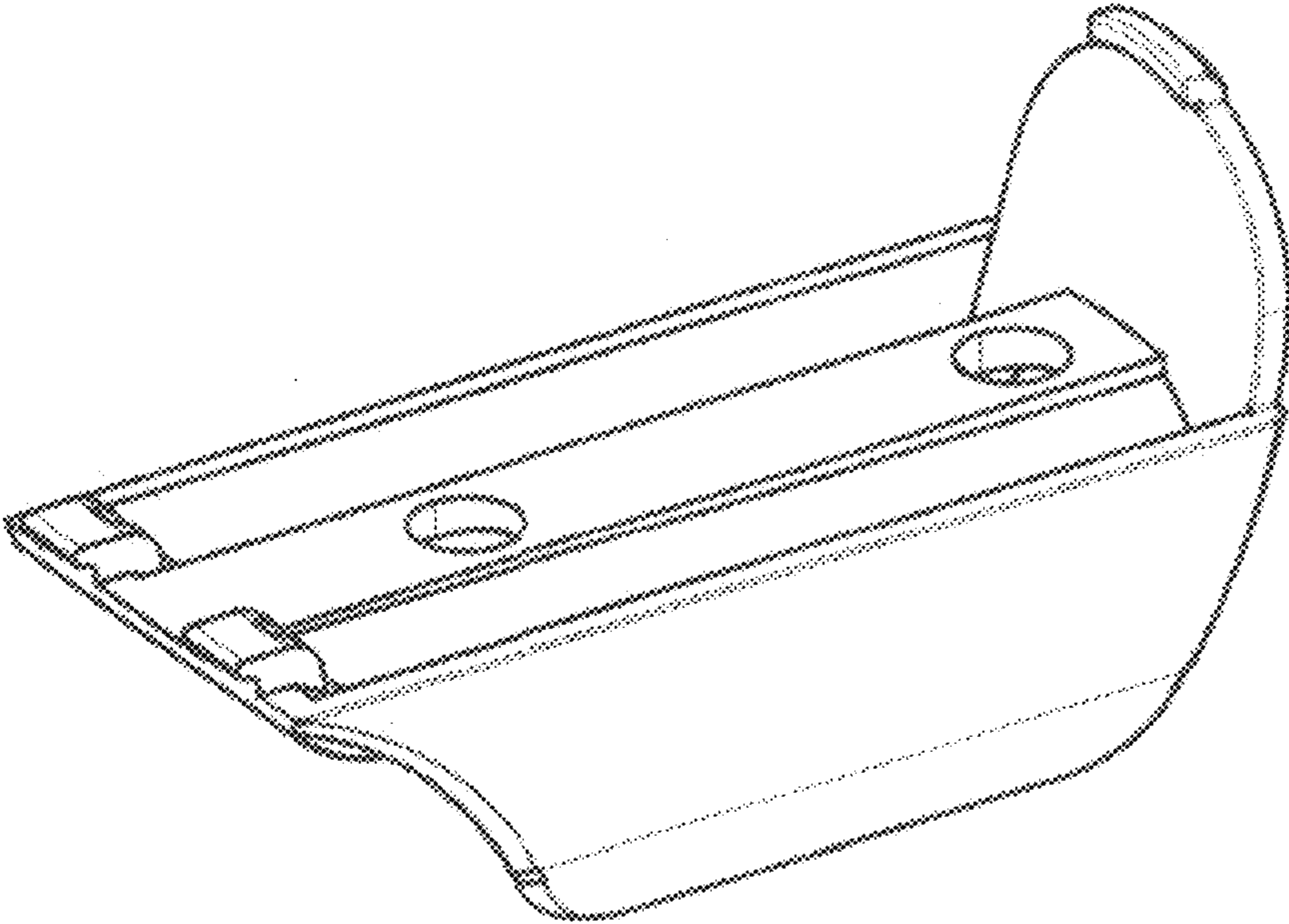


FIG. 8

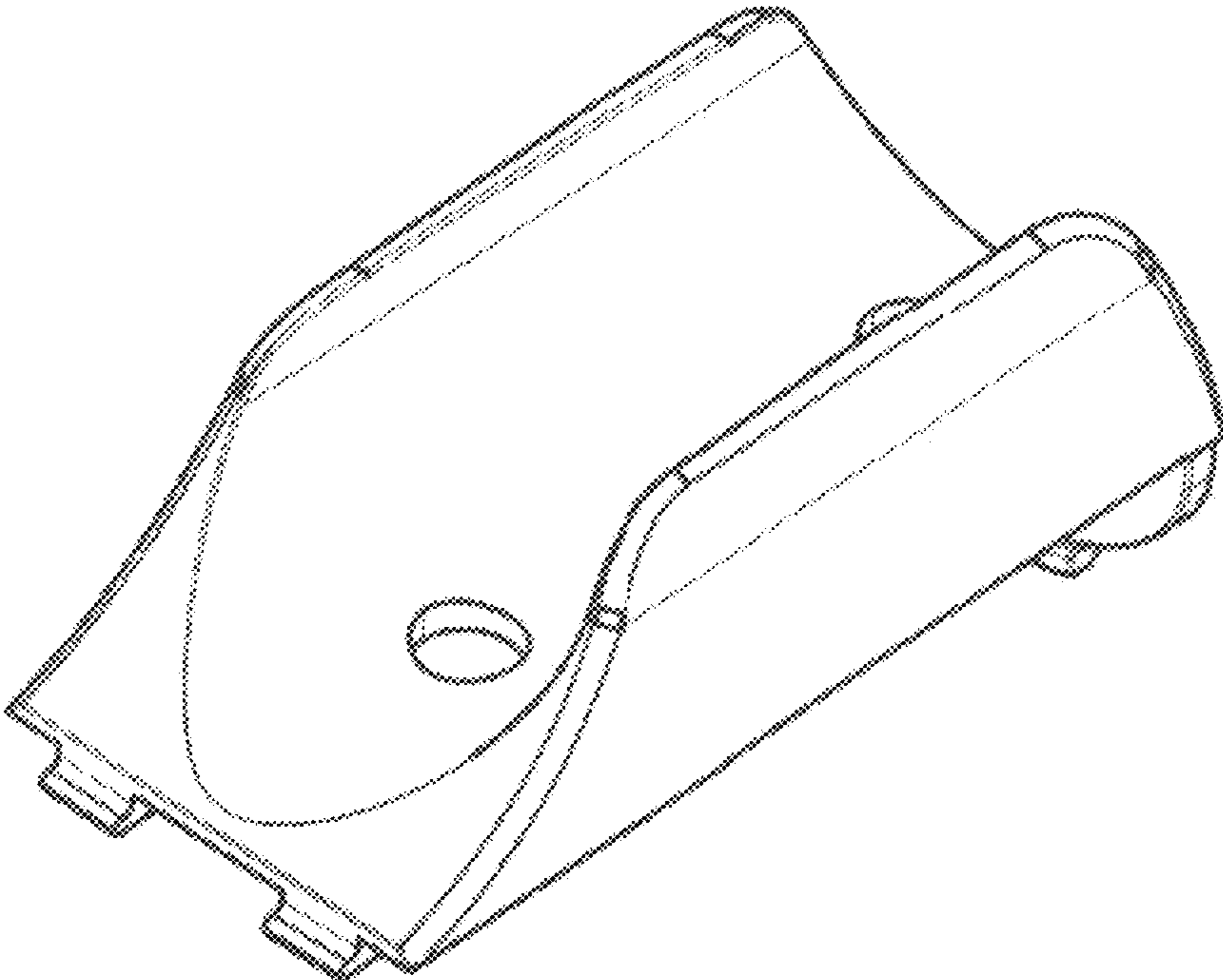


FIG. 9