



US00D855174S

(12) **United States Design Patent** (10) **Patent No.:** **US D855,174 S**
Fofack et al. (45) **Date of Patent:** **** Jul. 30, 2019**

(54) **SINGLE USE RESPIRATOR WITH TEXTILE KNITTED FABRIC**

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(73) Assignee: **HONEYWELL INTERNATIONAL INC.**, Morris Plains, NJ (US)

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

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(51) **LOC (11) Cl.** **29-02**

(52) **U.S. Cl.**
USPC **D24/110.1**

(58) **Field of Classification Search**
USPC D24/110–110.6, 127, 129; D29/110
CPC A61M 16/0616; A61M 16/0633; A61M 16/06; A61M 16/0666; A61M 16/0683; A61M 16/0605; A61M 16/0622; A61M 16/0644; A61M 16/0875; A61M 16/0816; A61M 16/08; B63C 11/205; B63C 11/16; B63C 11/186; B63C 11/12
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,297,842 A * 3/1919 Harrllee A61F 9/04
119/832
3,757,777 A * 9/1973 Kaufman A41D 13/1146
128/206.19
D285,374 S * 8/1986 Huber D24/110.1
D285,496 S * 9/1986 Berman D24/110.4
(Continued)

OTHER PUBLICATIONS

Moldex 2300 Series N95 Respirators, posted at coopersafety.com, earliest date reviewed on Dec. 24, 2017, [online], acquired on

Oct. 16, 2018. Available from Internet, <URL: <https://www.coopersafety.com/brands/moldex-2300-series-n95-respirators-10-pack.html>> (Year: 2017).*

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Assistant Examiner — Aula Soroush

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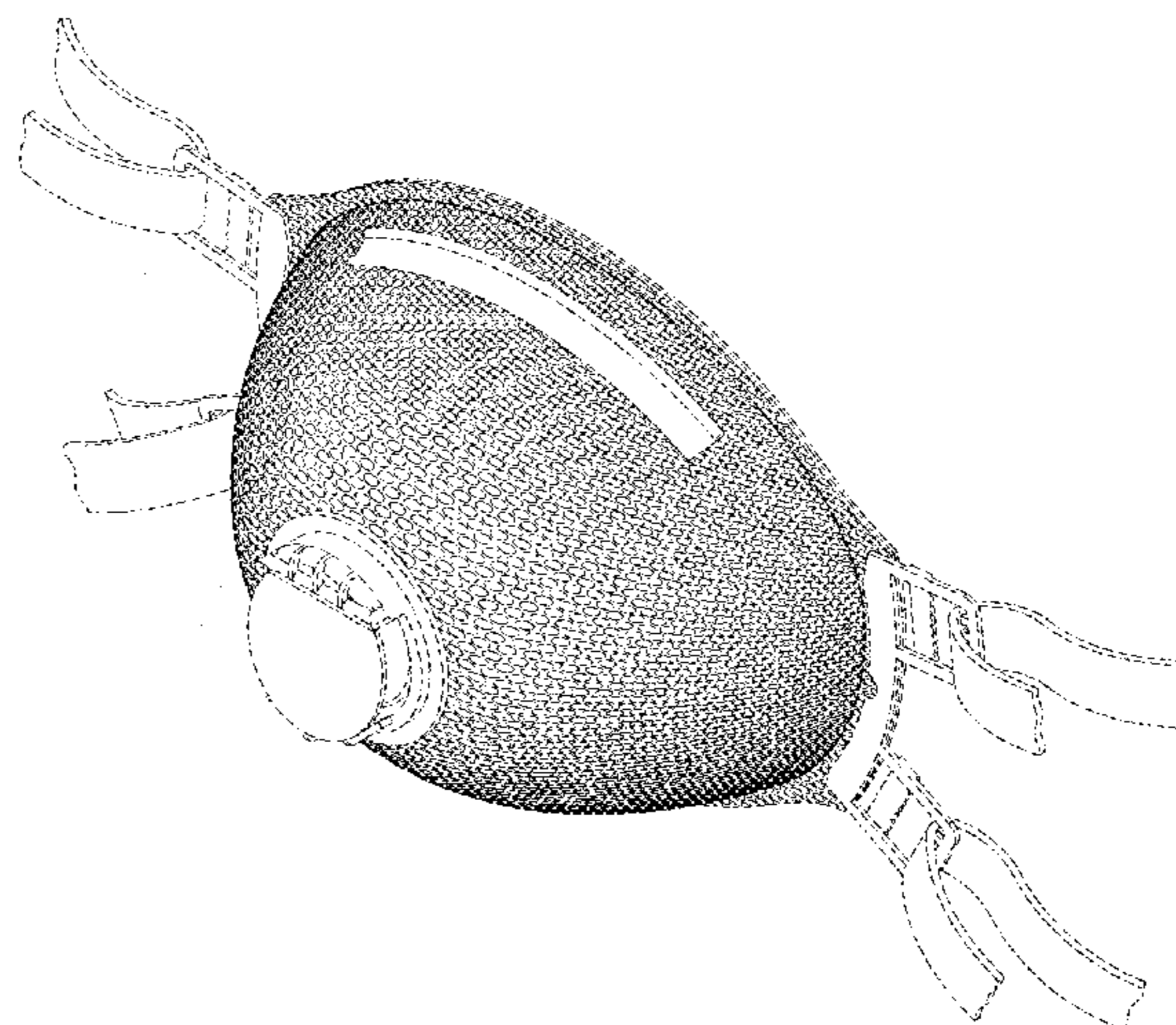
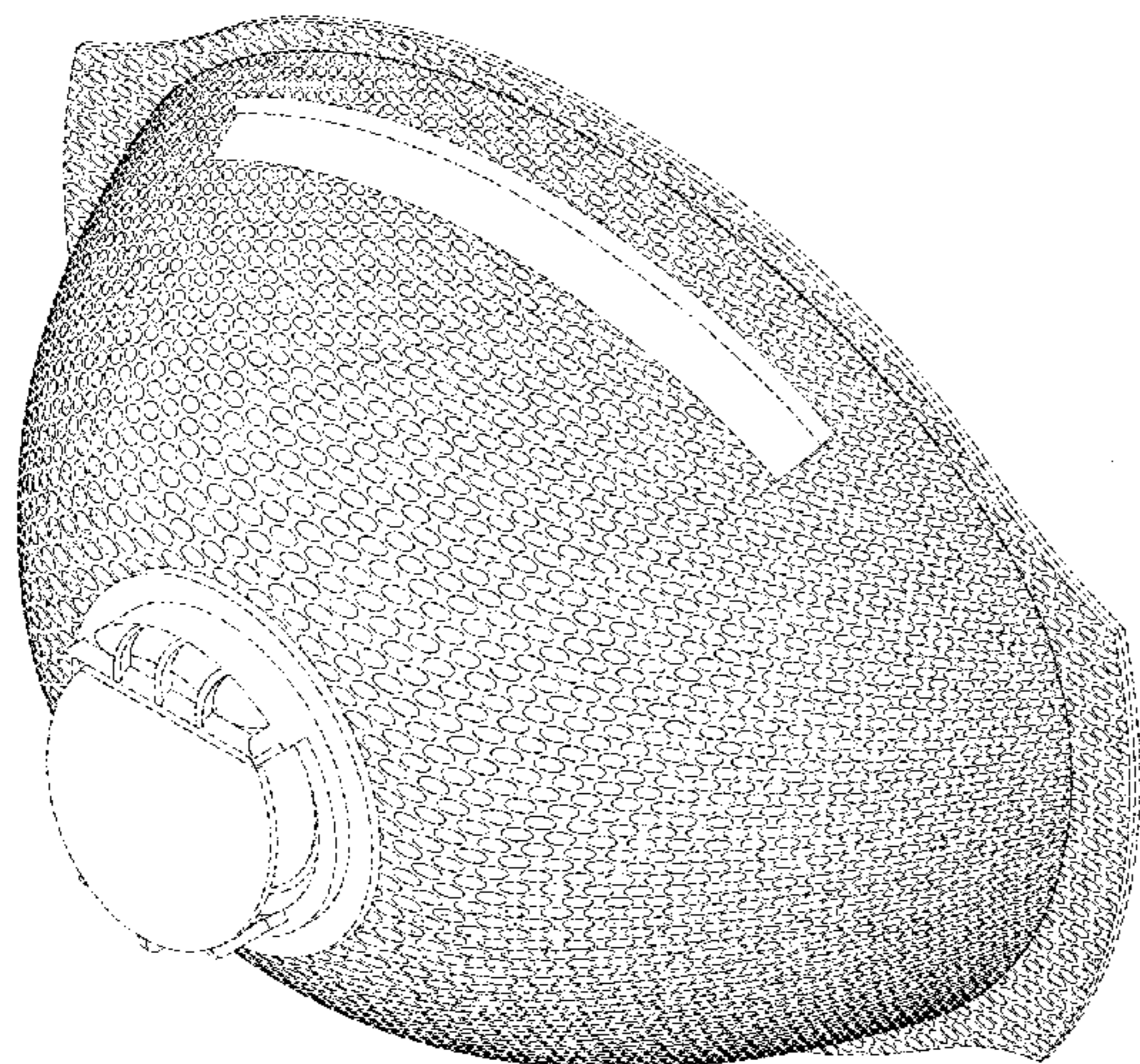
(57) **CLAIM**

The ornamental design for a single use respirator with textile knitted fabric, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a first embodiment of a single use respirator with textile knitted fabric in accordance with our new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a left side elevation view thereof;
FIG. 6 is a top elevation view thereof; and
FIG. 7 is a bottom elevation view thereof;
FIG. 8 is a front perspective view of a second embodiment of a single use respirator with textile knitted fabric in accordance with our new design;
FIG. 9 is a front elevation view thereof;
FIG. 10 is a rear elevation view thereof;
FIG. 11 is a right side elevation view thereof;
FIG. 12 is a left side elevation view thereof;
FIG. 13 is a top elevation view thereof;
FIG. 14 is a bottom elevation view thereof; and
FIG. 15 is an exploded view thereof.
The broken line in the drawings depict portions of the single use respirator with textile knitted fabric that form no part of the claimed design.

1 Claim, 13 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D647,197 S * 10/2011 Grimsley D24/110.1
 D679,376 S * 4/2013 von Hollen D24/110.1
 D695,886 S * 12/2013 Dawson D24/110.1
 D697,199 S * 1/2014 Angadjivand D24/110
 D699,839 S * 2/2014 Voic D24/127
 2006/0102183 A1* 5/2006 Skov A41D 13/1146
 128/206.19
 2007/0039620 A1* 2/2007 Sustello A41D 13/161
 128/206.22
 2011/0155137 A1* 6/2011 Martin A62B 18/025
 128/206.19
 2015/0289573 A1* 10/2015 Haas A41D 13/1192
 128/206.19
 2016/0114197 A1* 4/2016 Fichman A41D 13/1161
 128/863
 2016/0250824 A1 9/2016 Krishnasamy et al.
 2018/0236275 A1* 8/2018 Song A62B 18/006

OTHER PUBLICATIONS

Honeywell SAF-T-FIT Plus N1139, posted at earplugstore.com, earliest date reviewed on Jul. 27, 2017, [online], acquired on Oct. 16, 2018. Available from Internet, <URL: <https://www.earplugstore.com/honeywell-14110402-disposable-respirator-mask.html>> (Year: 2017).*

Bilisik, K. "3D Fabrics for Technical Textile Applications." Intech, Mar. 2016, 64 pages.

* cited by examiner

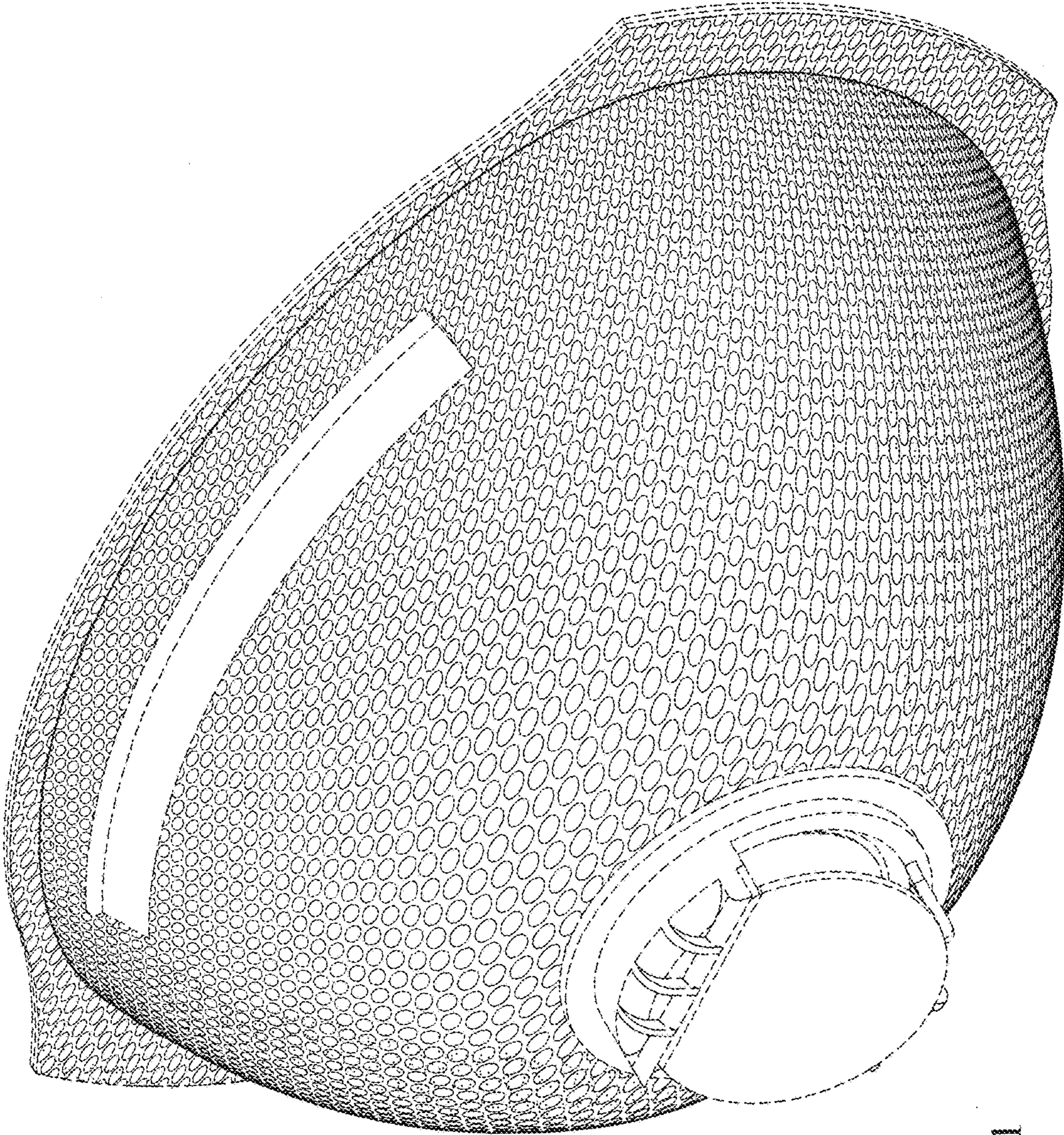


FIG. 1

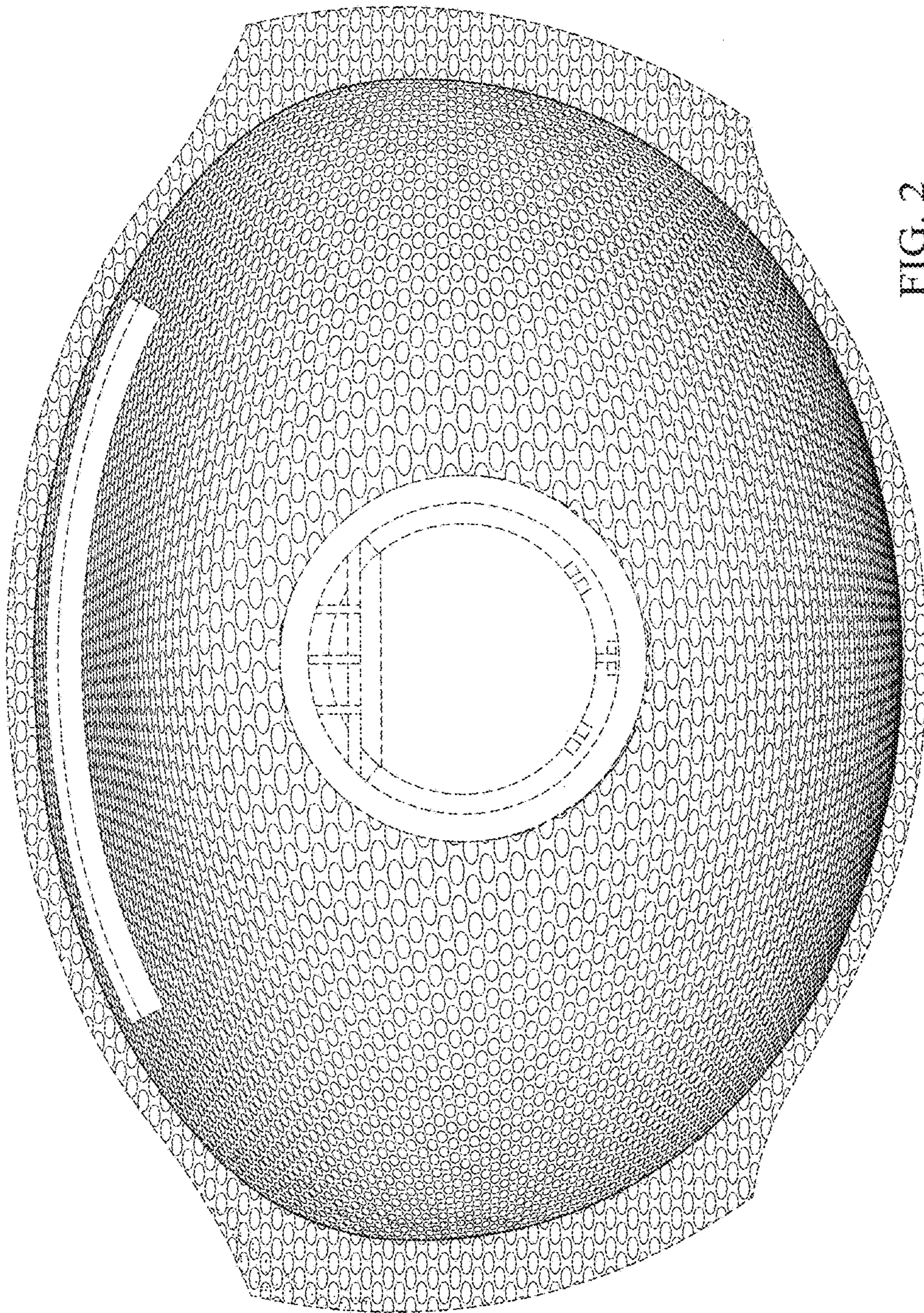


FIG. 2

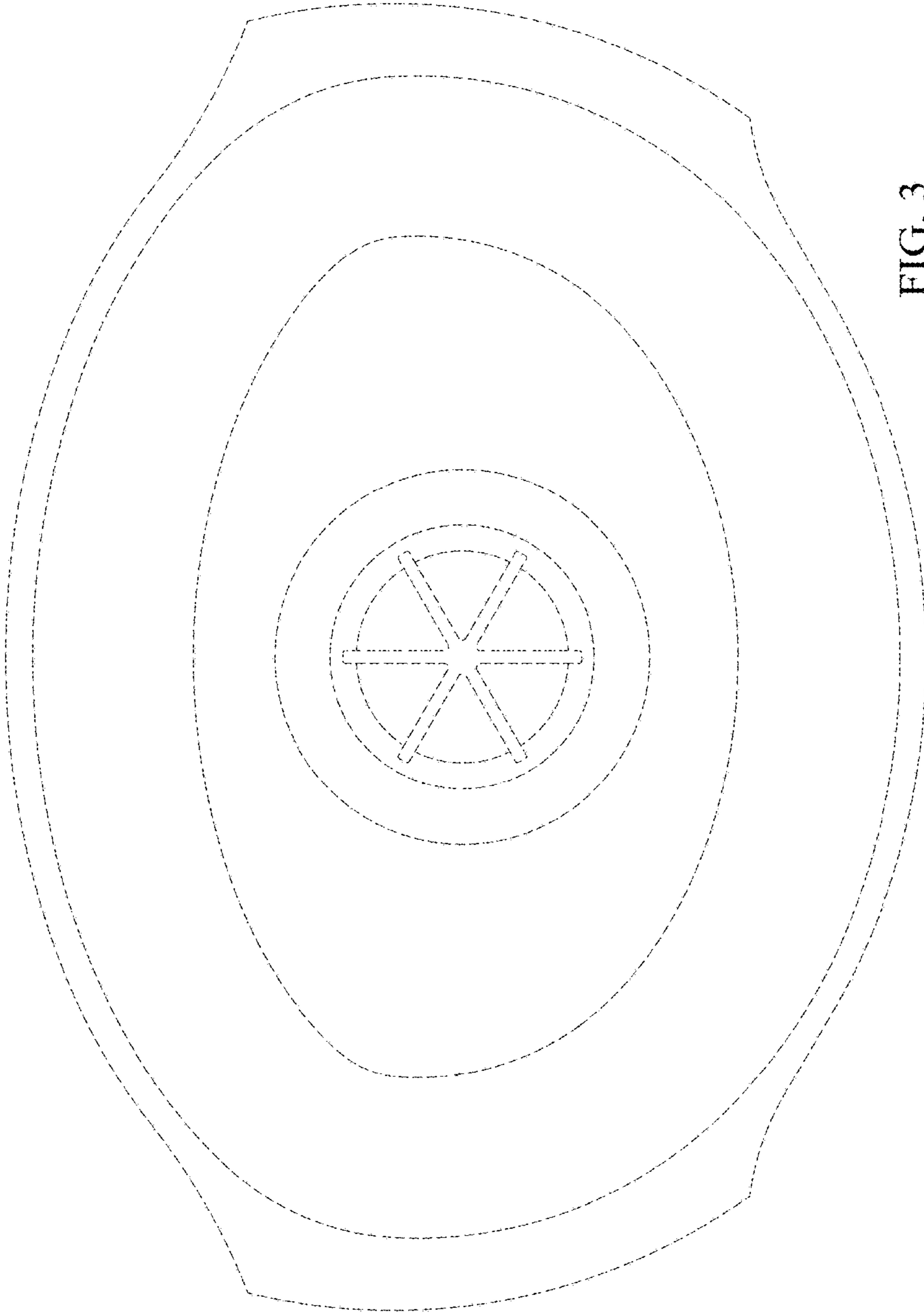


FIG. 3

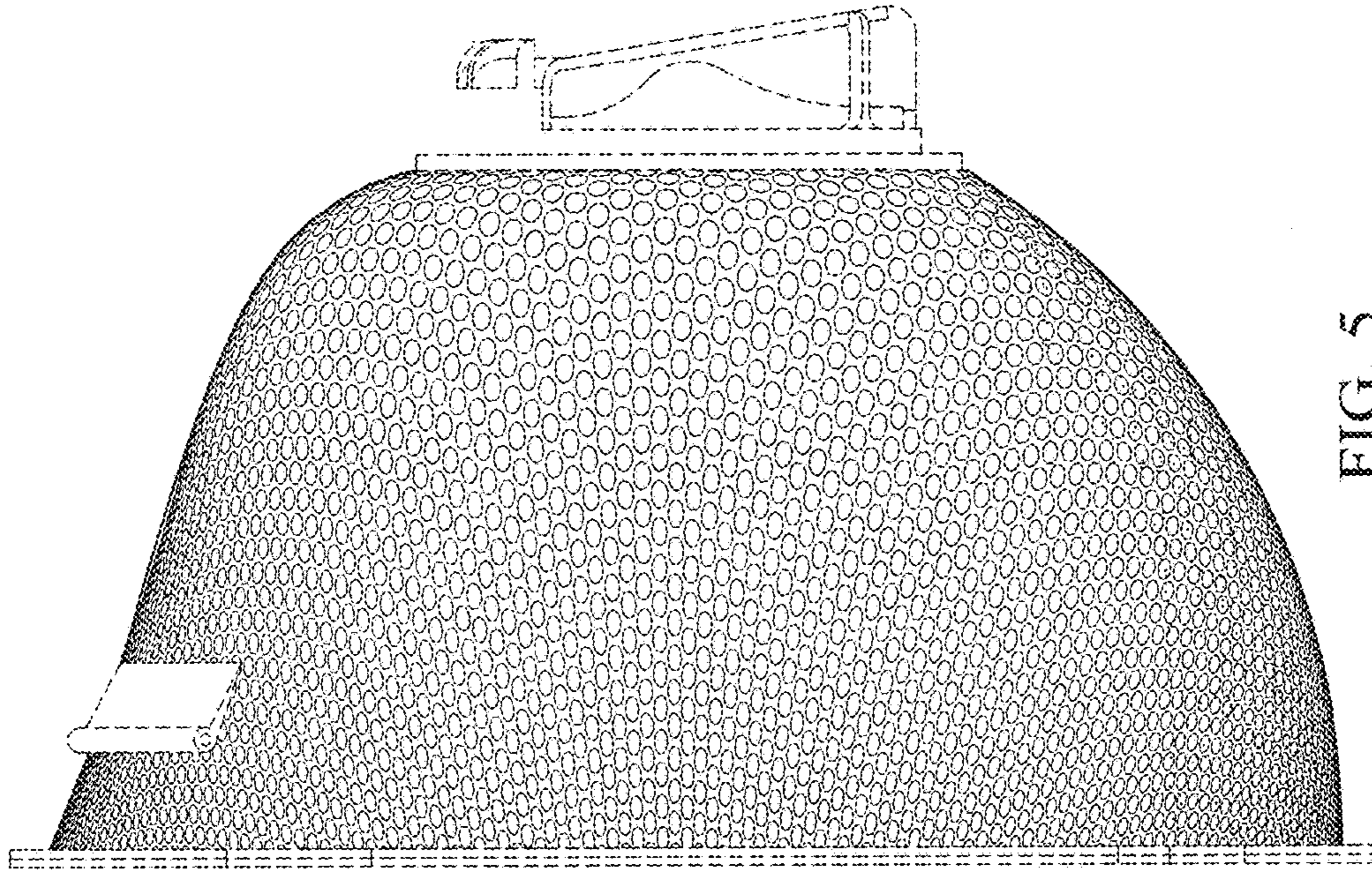


FIG. 5

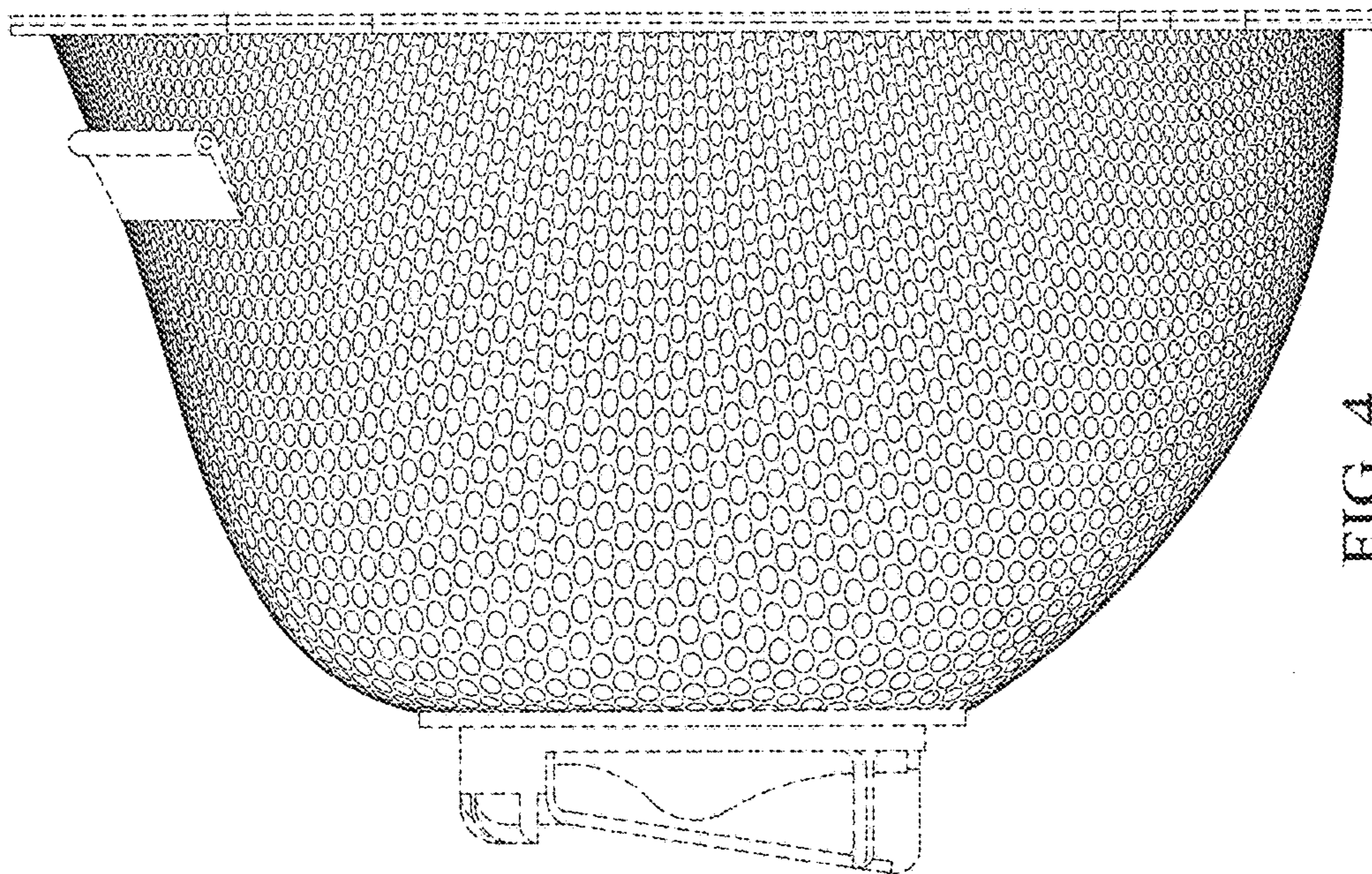


FIG. 4

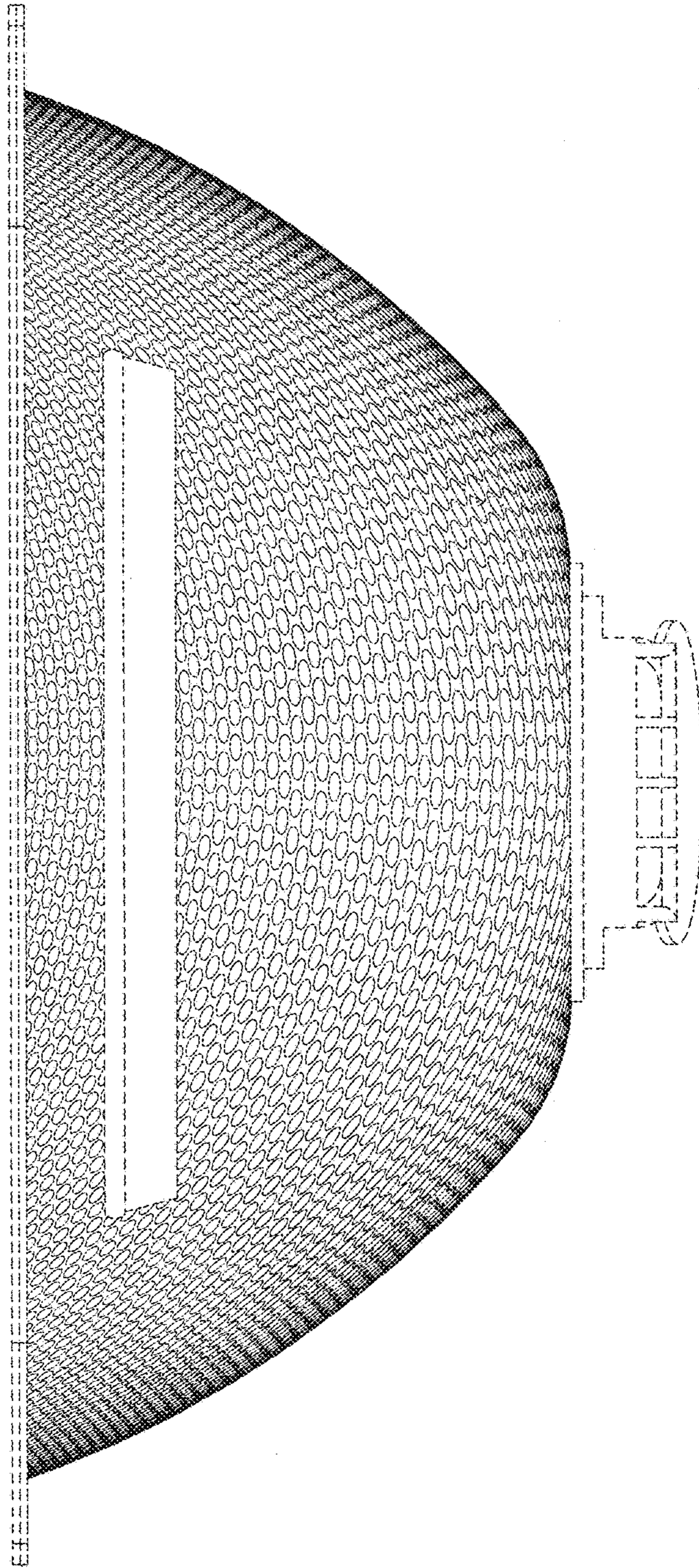


FIG. 6

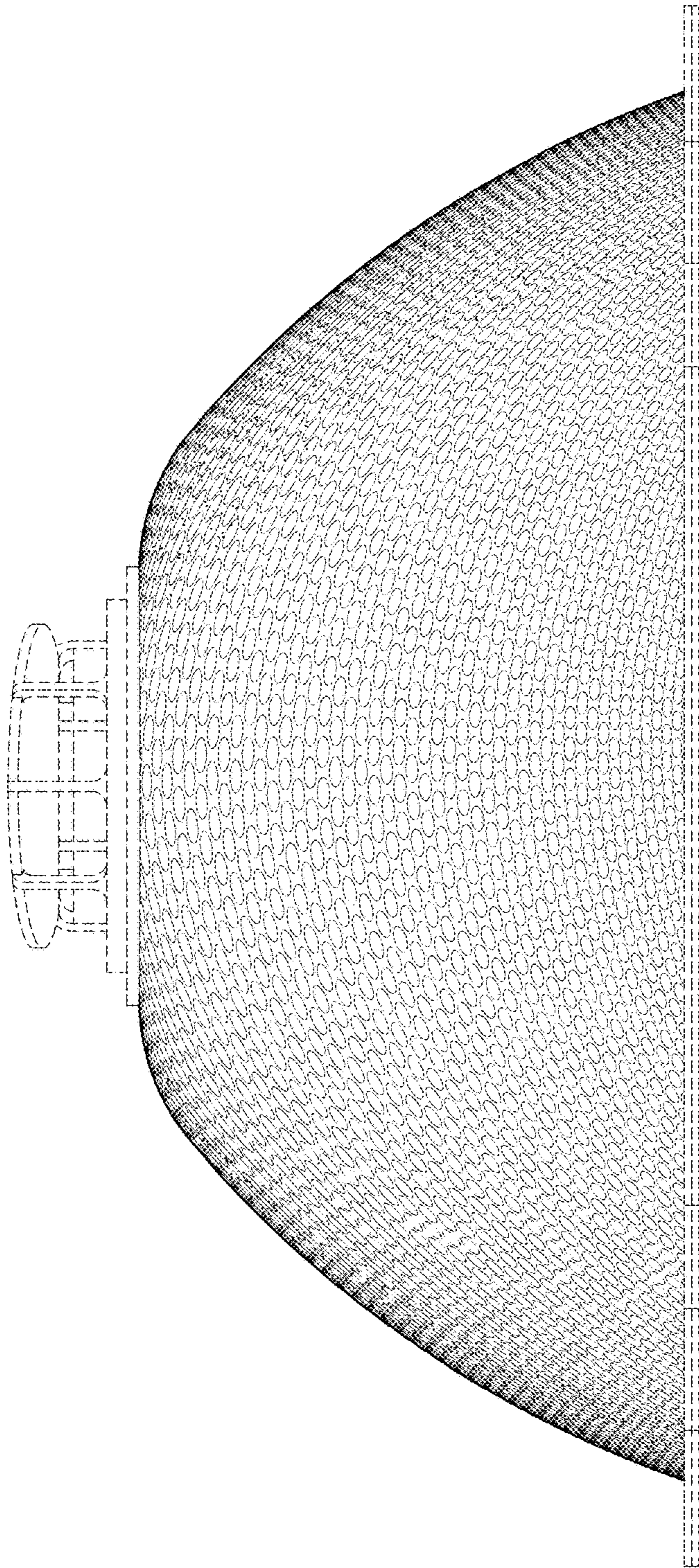


FIG. 7

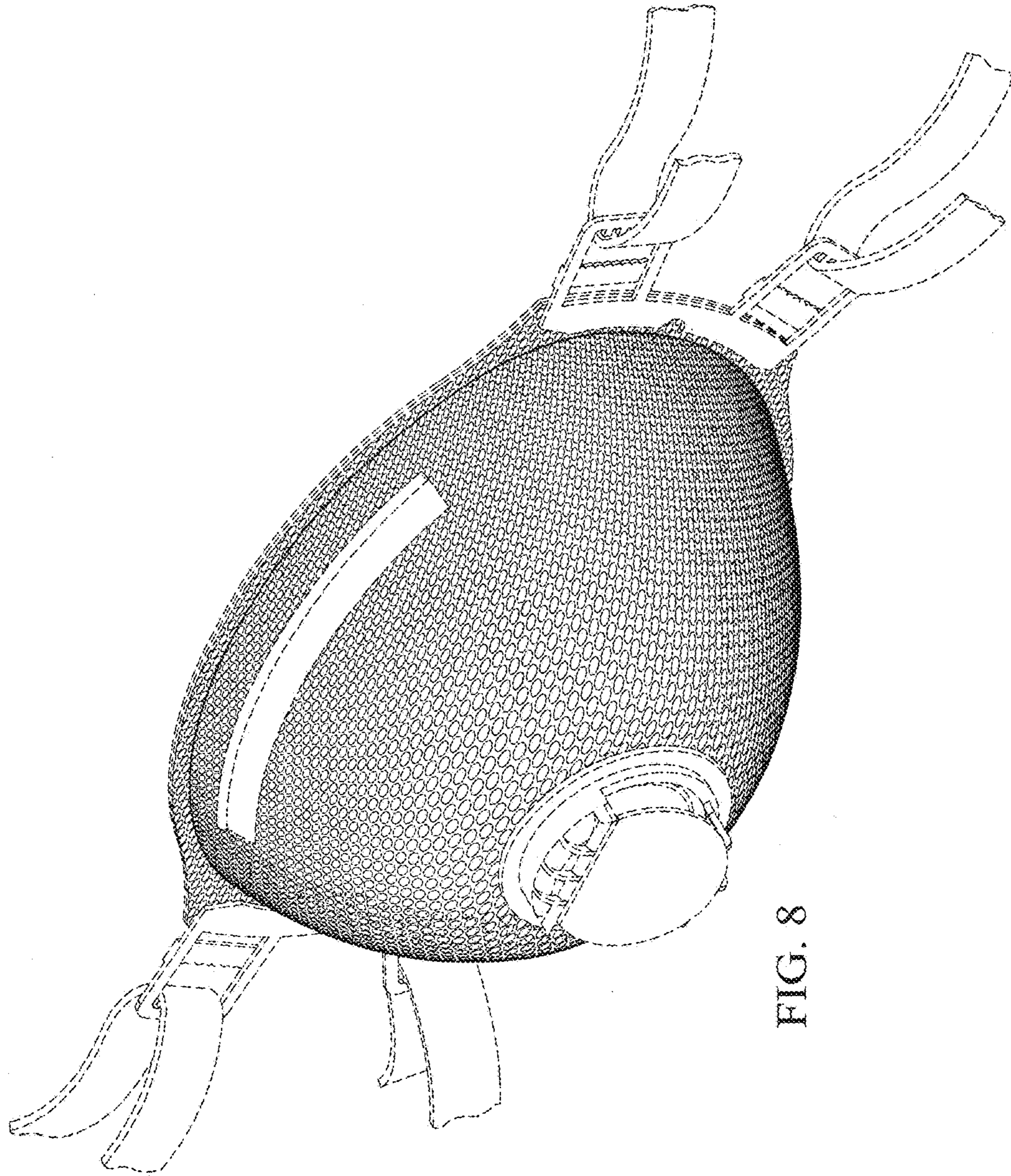


FIG. 8

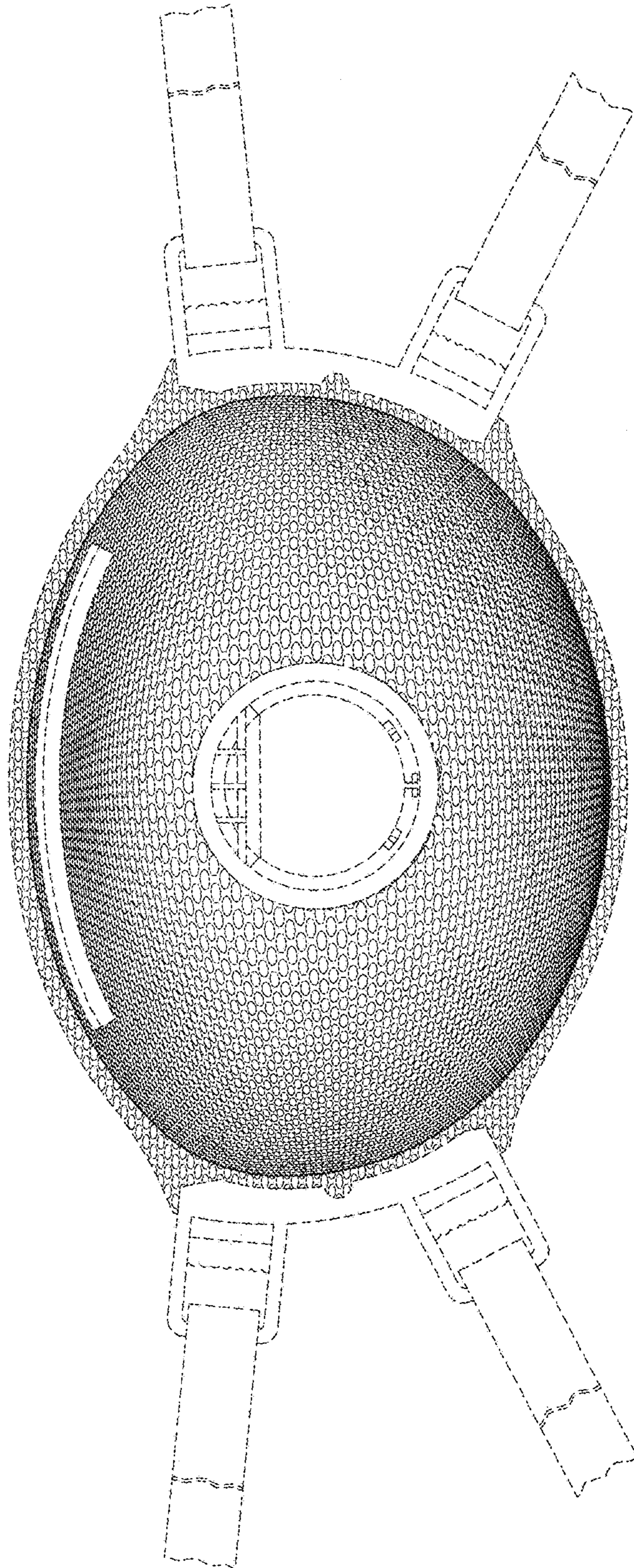


FIG. 9

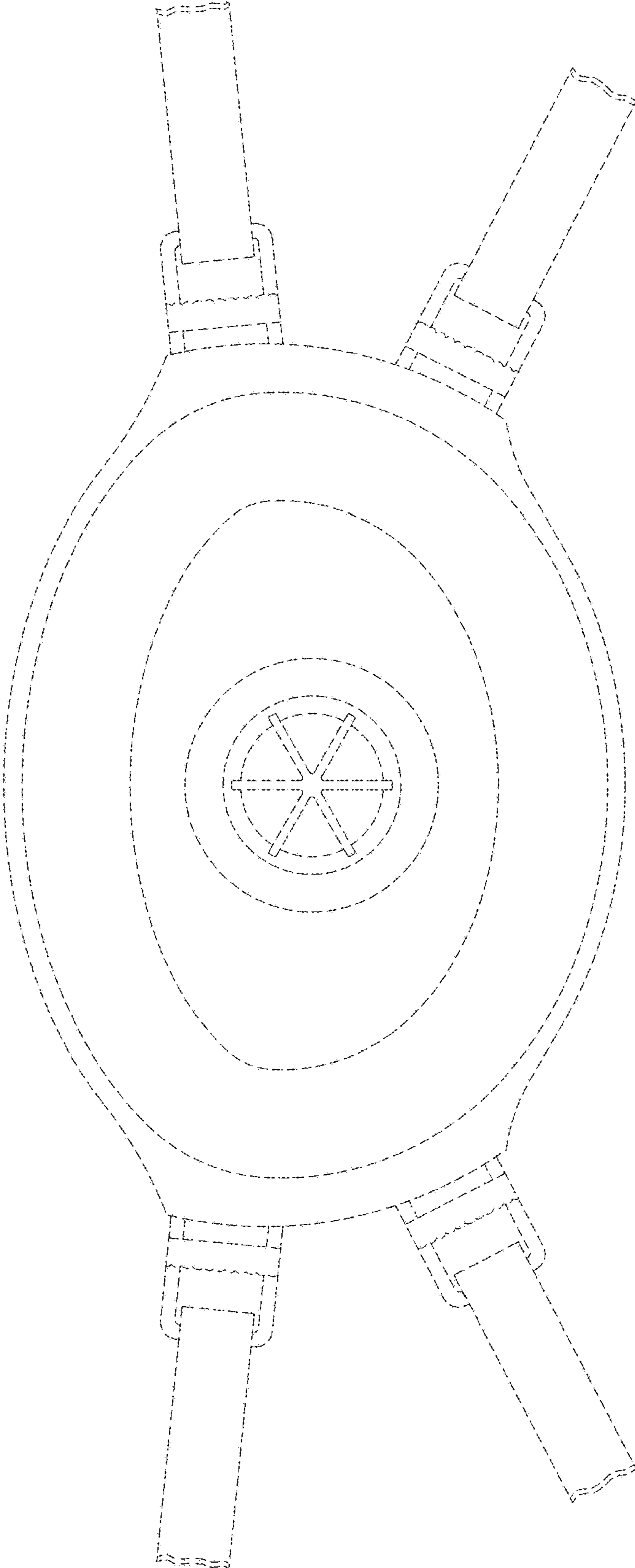


FIG. 10

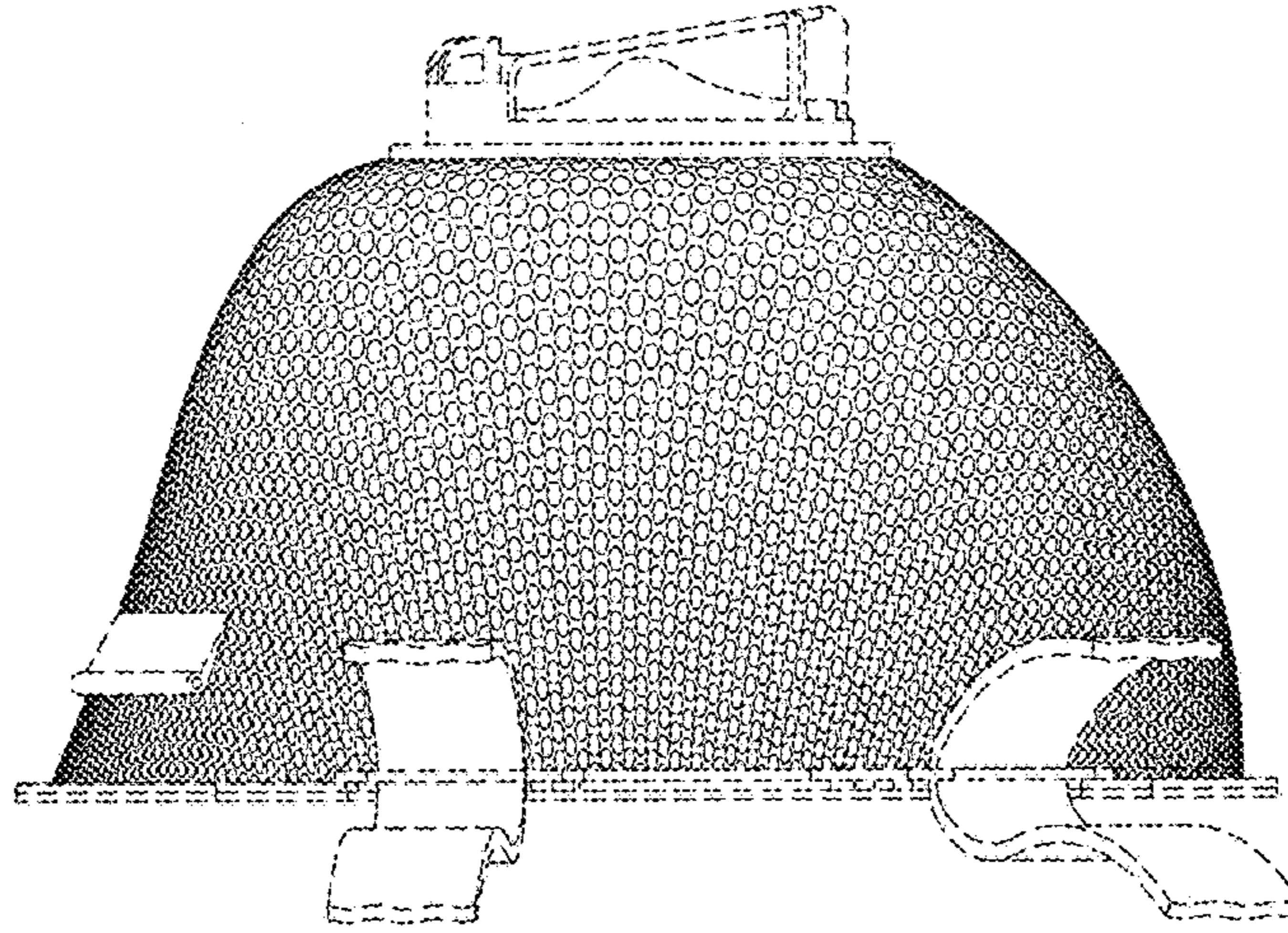


FIG. 12

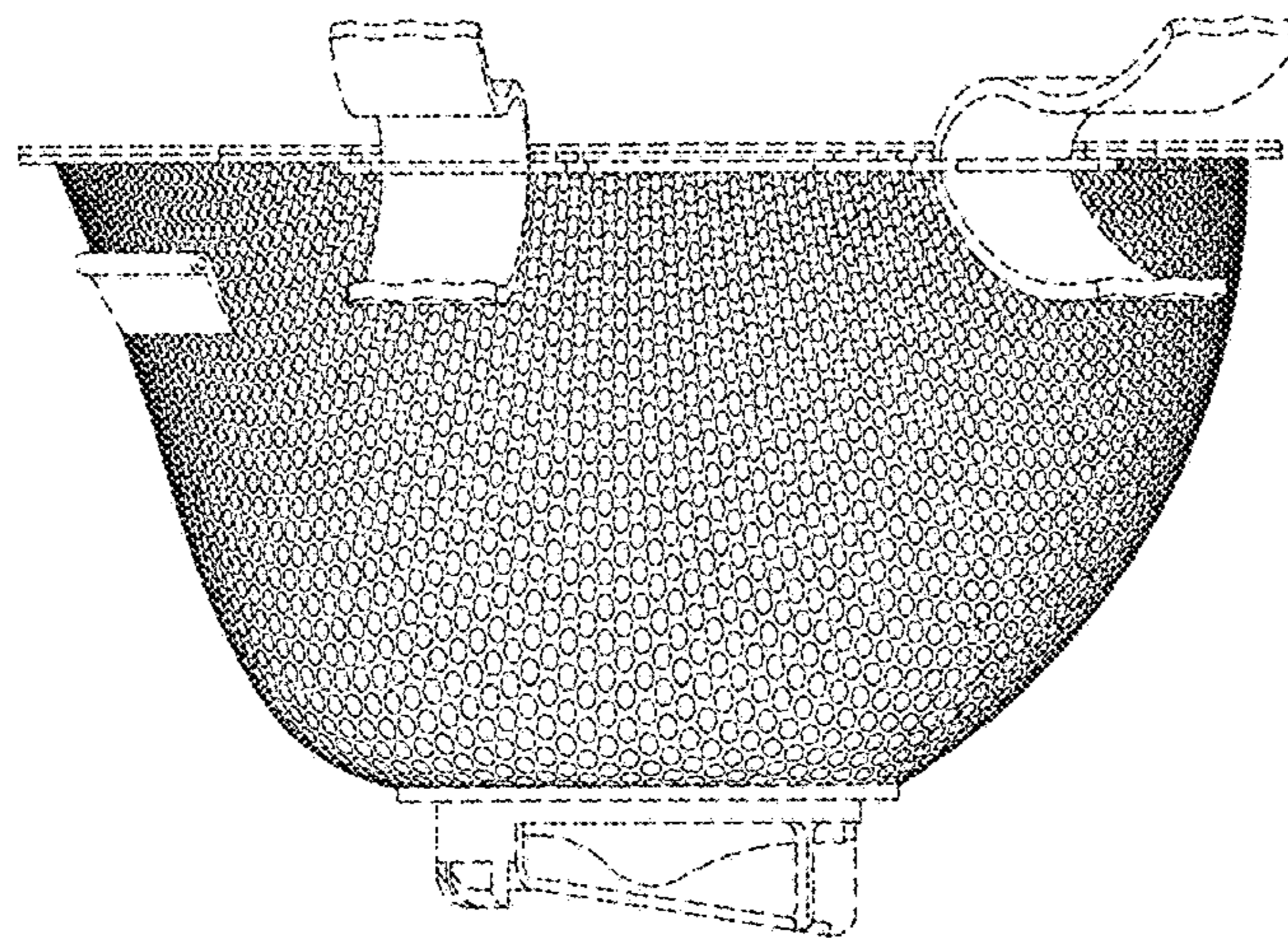


FIG. 11

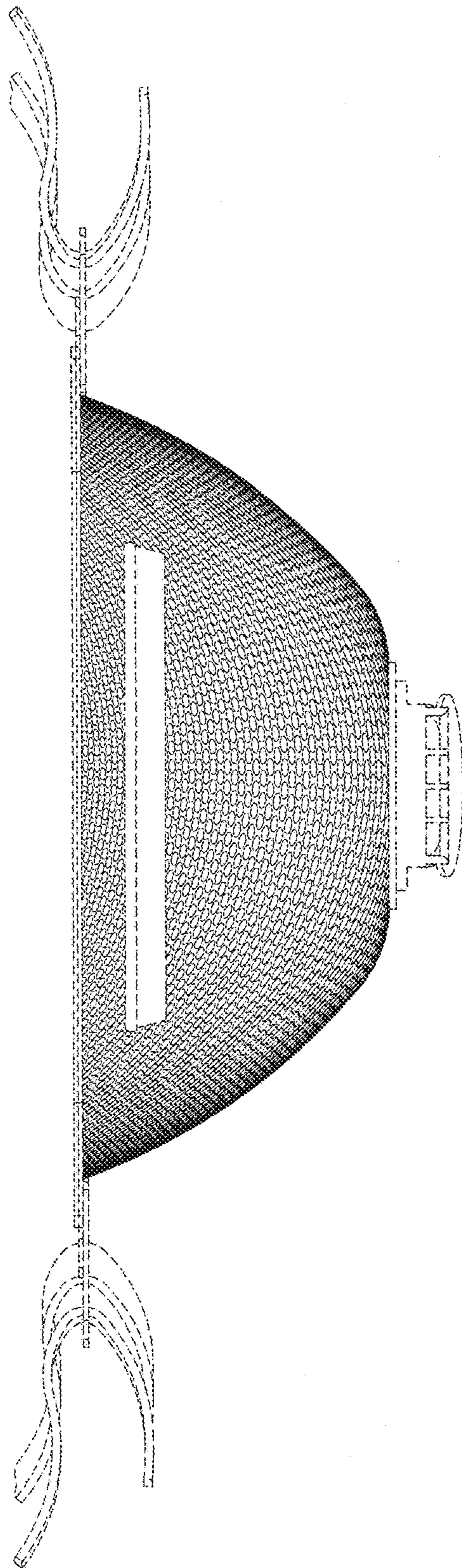


FIG. 13

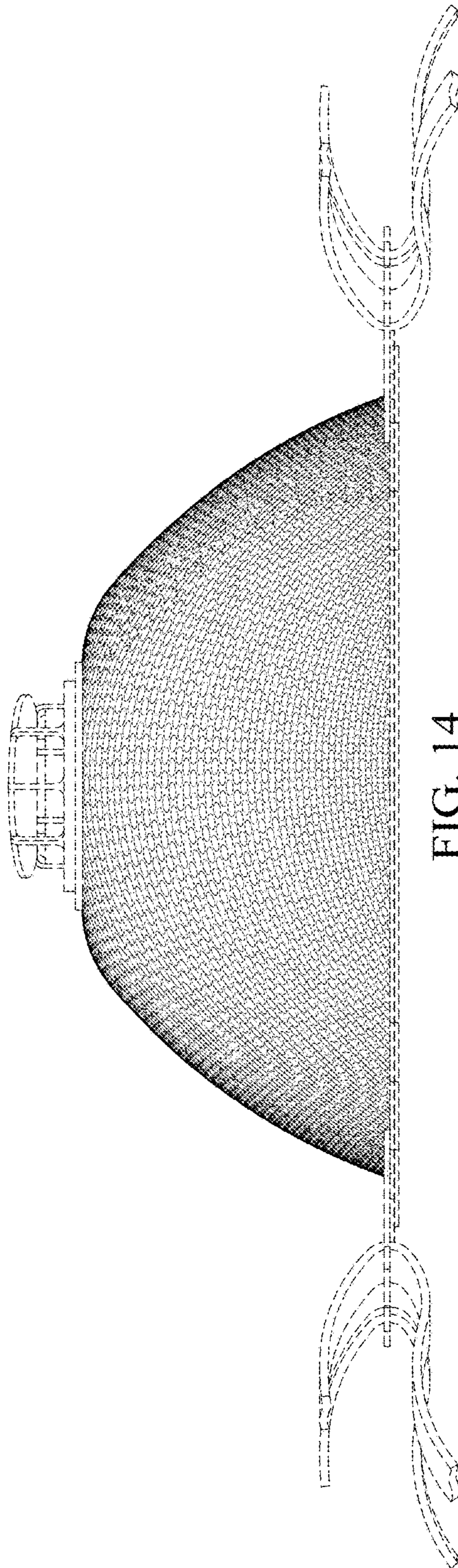


FIG. 14

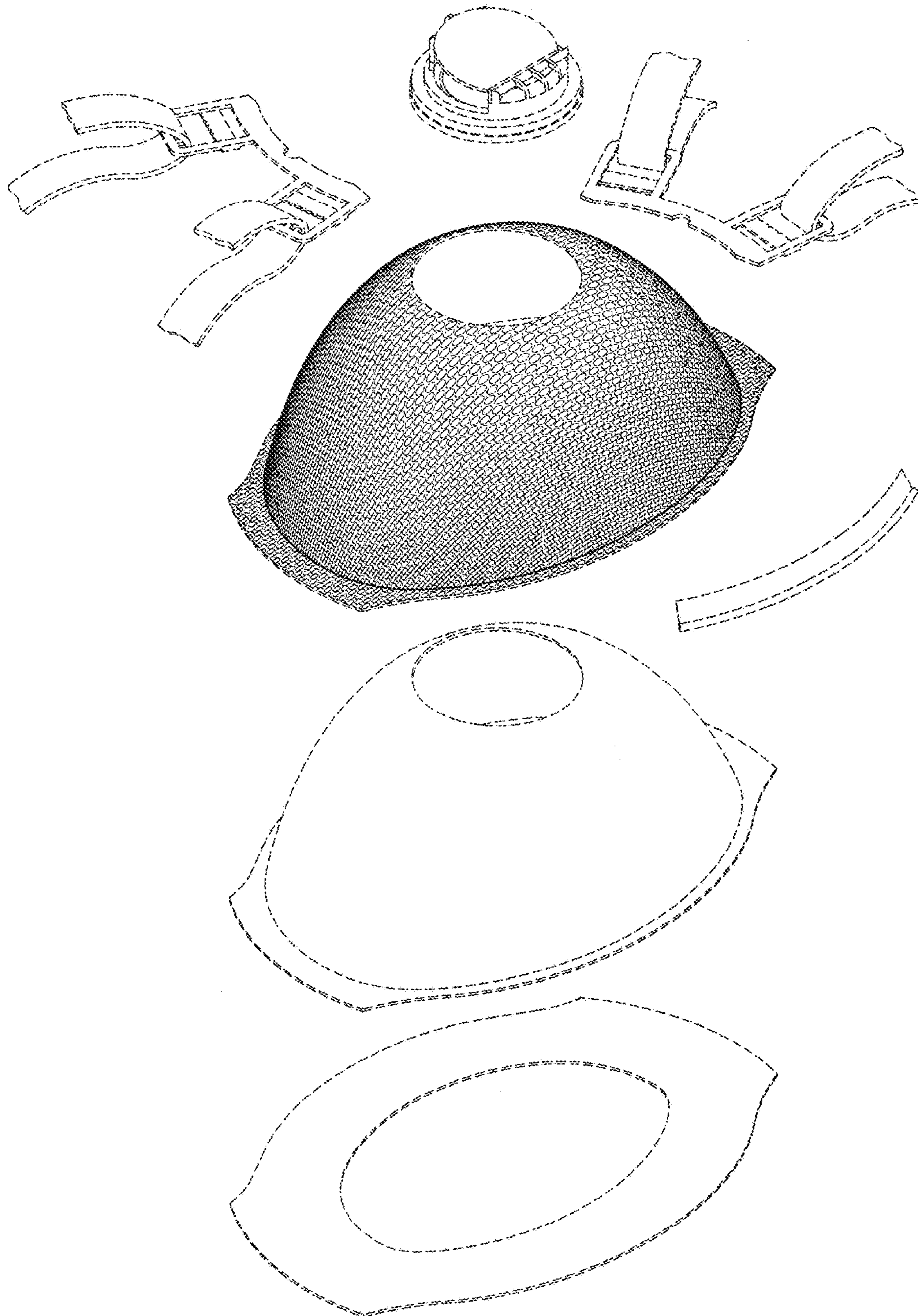


FIG. 15