



US00D881475S

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

(10) **Patent No.:** **US D881,475 S**  
(45) **Date of Patent:** **\*\* Apr. 14, 2020**

- (54) **SILICONE EARMUFF**
- (71) Applicant: **Hanwen Xu**, Zhejiang (CN)
- (72) Inventor: **Hanwen Xu**, Zhejiang (CN)
- (73) Assignee: **Hangzhou Zhonghan Electronic Technology Co., Ltd**, Hangzhou, Zhejiang (CN)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/657,855**
- (22) Filed: **Jul. 26, 2018**
- (51) **LOC (12) Cl.** ..... **29-02**
- (52) **U.S. Cl.**  
USPC ..... **D29/112**
- (58) **Field of Classification Search**  
USPC ..... D29/100, 102, 105, 106, 108, 112, 122;  
D14/205, 223, 249  
CPC ..... A42B 3/16; A42B 3/163; A42B 3/166;  
A61F 11/06; A61F 11/08; A61F 11/10;  
A61F 11/12; A61F 11/14; A61F  
2011/085; H04R 1/10; H04R 1/1008;  
H04R 1/1016; H04R 1/105; H04R  
1/1058; H04R 1/1066; H04R 1/1075;  
H04R 1/1083; H04R 5/0335; H04R  
25/652; H04R 25/654; H04R 25/656;  
A63B 71/10  
See application file for complete search history.

- (56) **References Cited**  
U.S. PATENT DOCUMENTS  
177,755 A \* 5/1876 Sedgwick ..... A61F 11/06  
2/209  
1,857,974 A \* 5/1932 Reno ..... A45D 44/12  
128/866  
1,878,397 A \* 9/1932 Hekler ..... A45D 44/12  
128/866  
2,281,357 A \* 4/1942 Johnson ..... A61F 11/06  
2/209

- 2,325,150 A \* 7/1943 Sahlmann ..... A61F 11/06  
2/209
- 2,582,907 A \* 1/1952 Kaufmann ..... A61F 11/06  
2/209
- 2,883,671 A \* 4/1959 Hornickel ..... A61F 11/14  
128/866
- 3,051,961 A \* 9/1962 Clark ..... A61F 11/14  
181/129
- 3,197,785 A \* 8/1965 Simpson ..... A42B 3/166  
2/209
- D239,787 S \* 5/1976 Lonnstedt ..... D29/112
- D244,300 S \* 5/1977 Besasie ..... D14/205
- D276,665 S \* 12/1984 Higginson ..... D14/223
- D276,855 S \* 12/1984 Falco ..... D29/112
- D313,092 S \* 12/1990 Nilsson ..... D14/205
- 5,384,857 A \* 1/1995 Nordin ..... A61F 11/14  
381/374

(Continued)

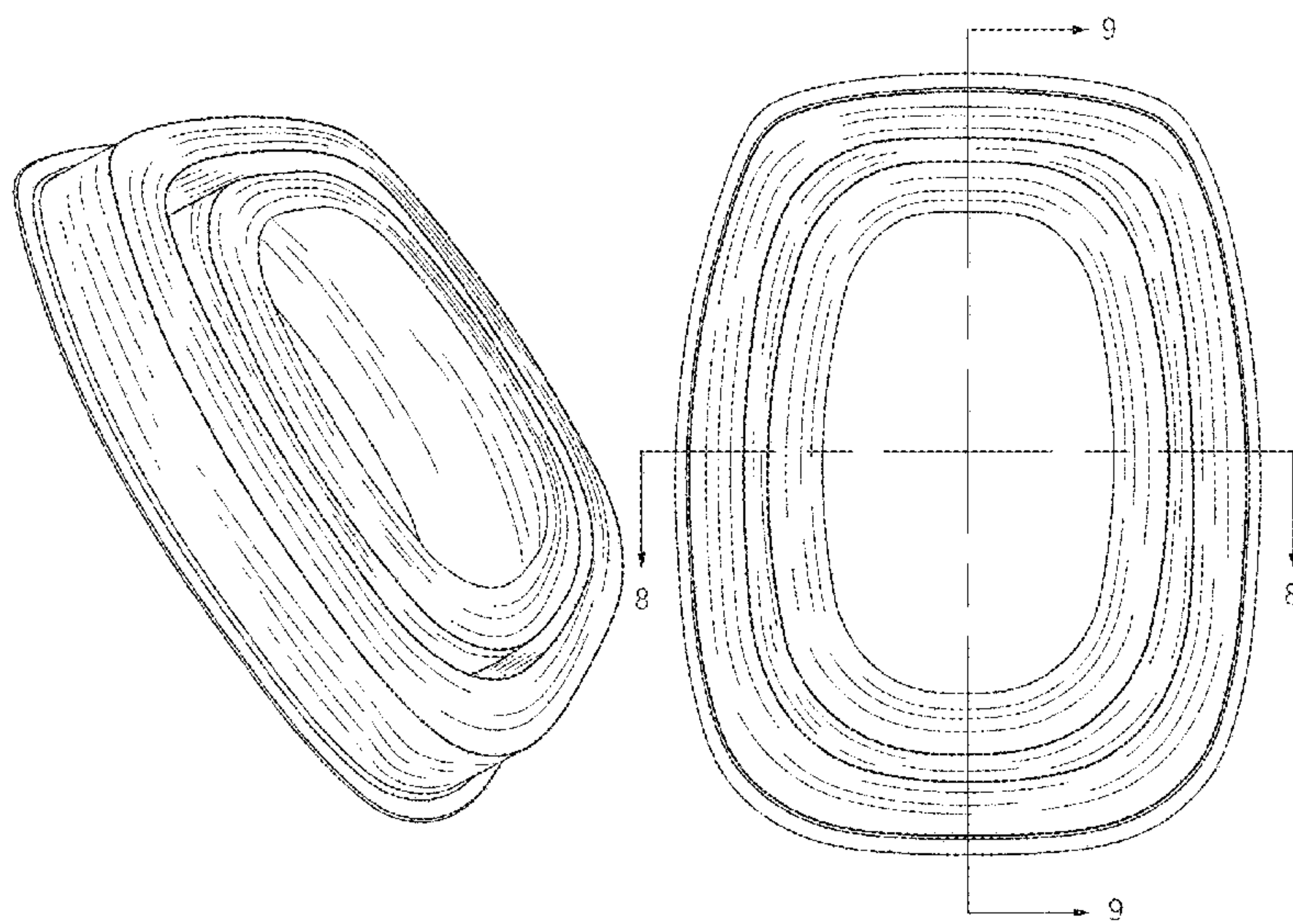
*Primary Examiner* — Elizabeth J Oswecki

(57) **CLAIM**  
The ornamental design for a silicone earmuff, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a silicone earmuff showing my new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a right side elevational view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof;  
FIG. 8 is a cross sectional view thereof, taken along line 8-8 in FIG. 2; and,  
FIG. 9 is a cross sectional view thereof, taken along line 9-9 in FIG. 2.  
The broken lines shown in the drawings represent portions of the silicone earmuff that form no part of the claimed design.

**1 Claim, 9 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

5,500,958 A \* 3/1996 Falco ..... A61F 11/14  
 2/209  
 D375,584 S \* 11/1996 Westerdal ..... D29/112  
 D385,665 S \* 10/1997 Westerdal ..... D29/112  
 5,996,123 A \* 12/1999 Leight ..... A61F 11/14  
 128/867  
 D427,382 S \* 6/2000 Leight ..... D29/112  
 D459,033 S \* 6/2002 Dix ..... D29/112  
 D459,034 S \* 6/2002 Dix ..... D29/112  
 D465,616 S \* 11/2002 Nilsson ..... A61F 11/14  
 D29/112  
 D544,650 S \* 6/2007 Westerdal ..... D29/112  
 D662,262 S \* 6/2012 Jones ..... D29/112  
 D687,189 S \* 7/2013 Fairclough ..... D29/112  
 D690,056 S \* 9/2013 Lancaster ..... D29/112

D697,897 S \* 1/2014 Lee ..... D14/205  
 D712,375 S \* 9/2014 Miyake ..... D14/205  
 D729,193 S \* 5/2015 Kirsch ..... D14/205  
 D734,294 S \* 7/2015 Euler ..... D14/205  
 D735,419 S \* 7/2015 Rose ..... D29/112  
 9,168,176 B2 \* 10/2015 Peebles ..... A63B 71/10  
 D776,081 S \* 1/2017 Willman ..... D14/205  
 D789,615 S \* 6/2017 Pratley ..... D29/112  
 D794,603 S \* 8/2017 Riggs ..... D14/205  
 D796,477 S \* 9/2017 Minn ..... D14/205  
 D796,478 S \* 9/2017 Minn ..... D14/205  
 D814,457 S \* 4/2018 Willis ..... D14/344  
 D815,065 S \* 4/2018 Willis ..... D14/223  
 D820,813 S \* 6/2018 Sharp ..... D14/206  
 D826,894 S \* 8/2018 Zhang ..... D14/205  
 D830,331 S \* 10/2018 Petersen ..... D14/205  
 D846,526 S \* 4/2019 Spencer ..... D14/205

\* cited by examiner



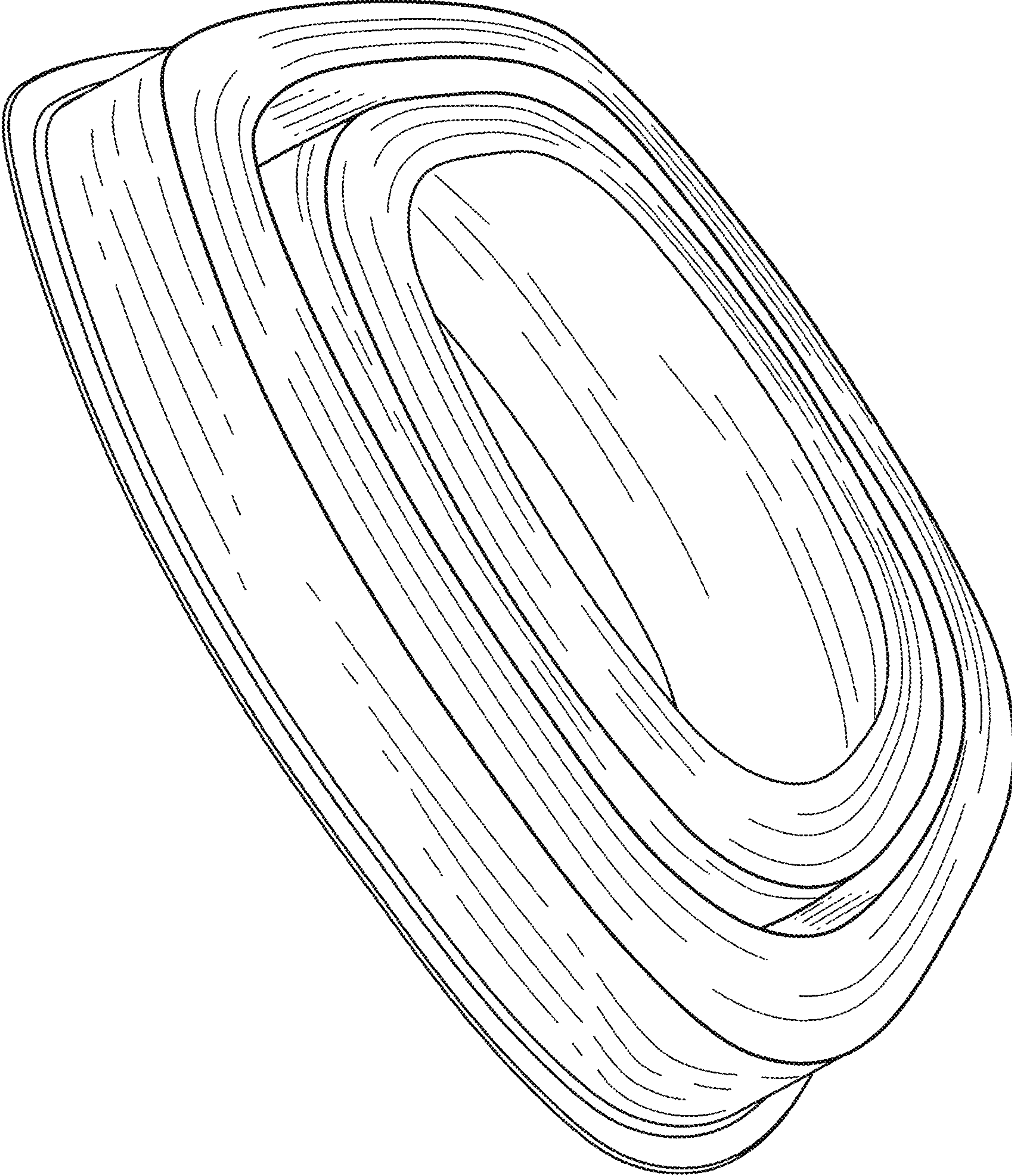


FIG. 1

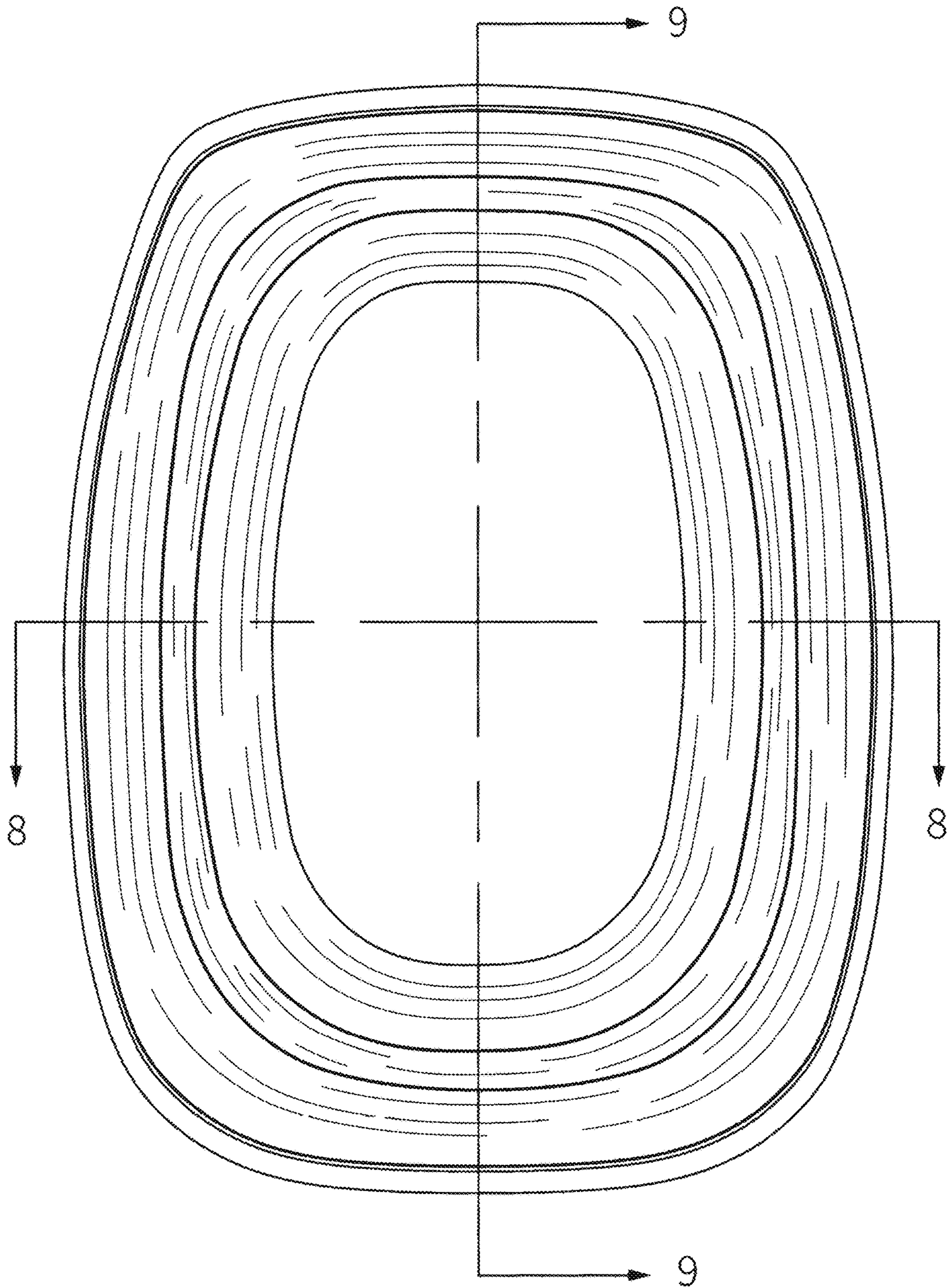


FIG. 2



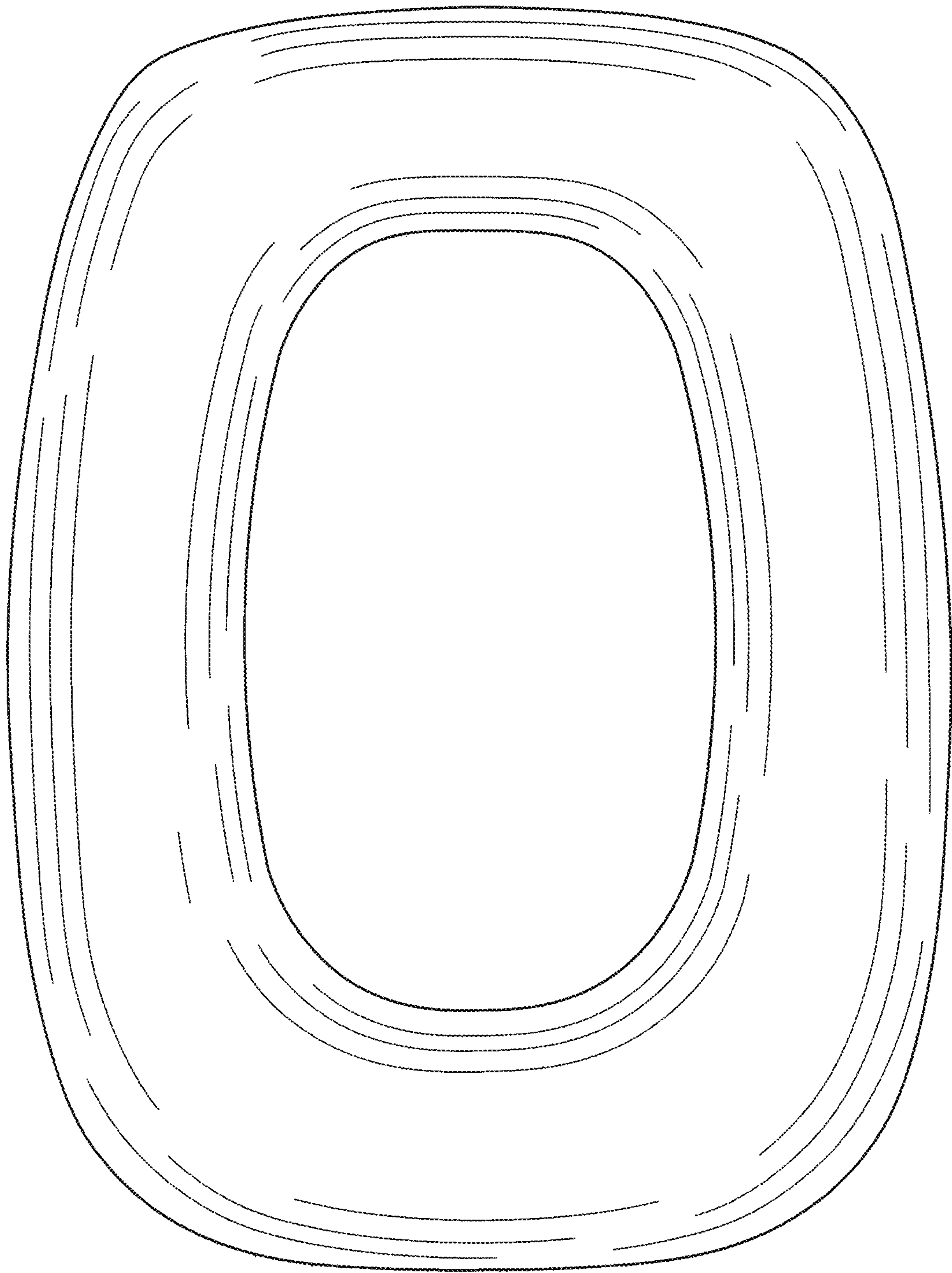


FIG. 3

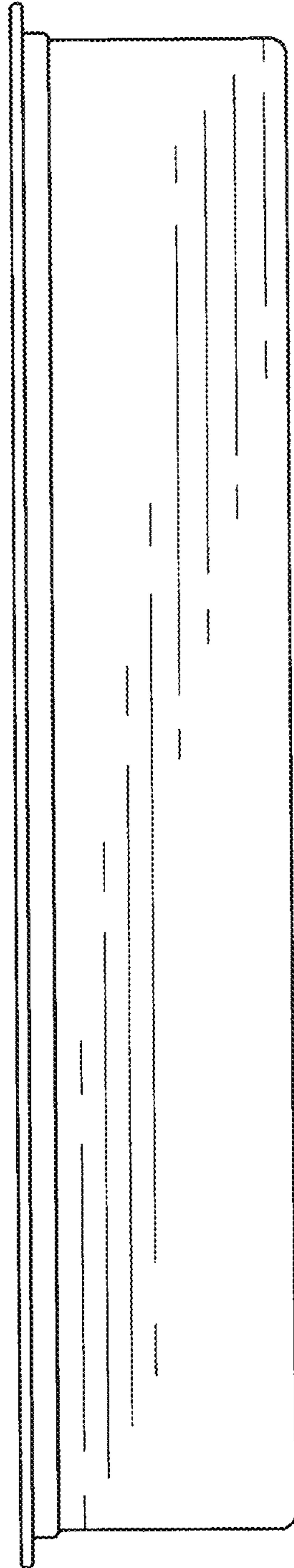


FIG. 4

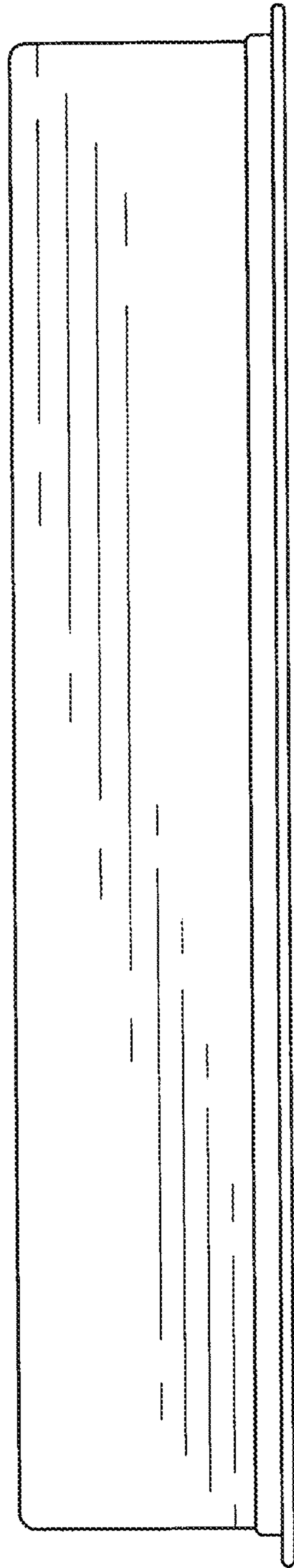


FIG. 5

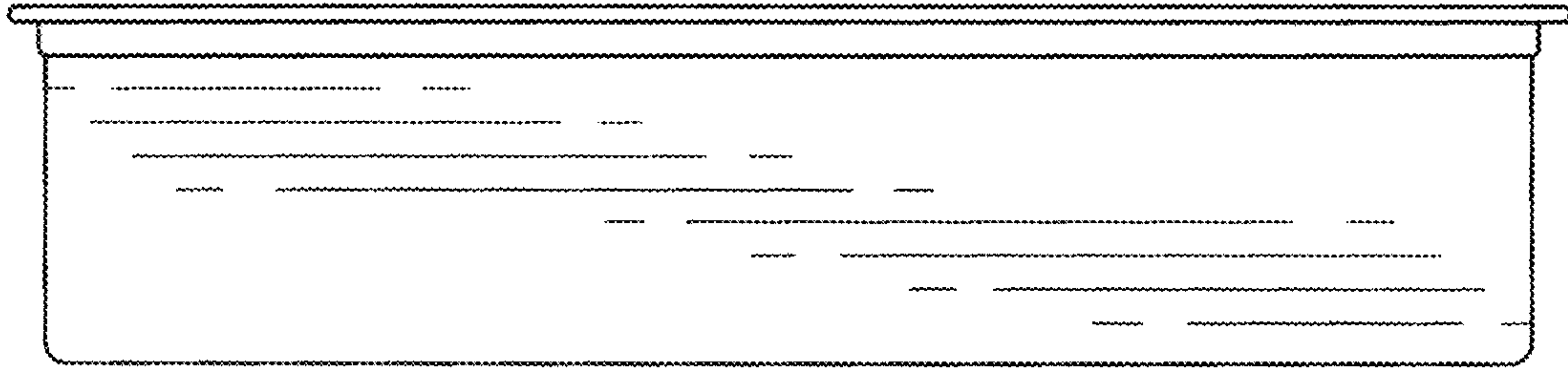


FIG. 6



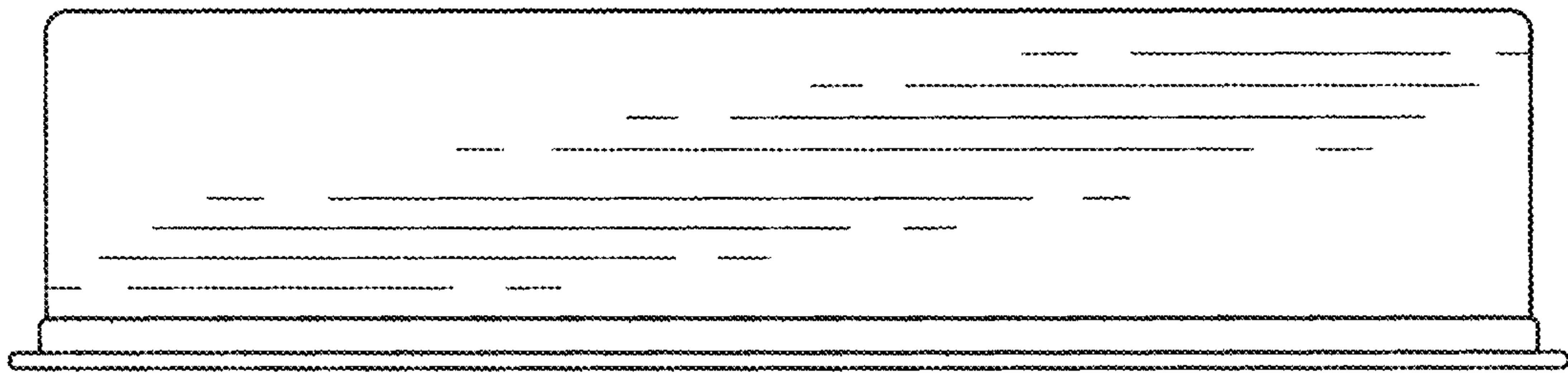


FIG. 7

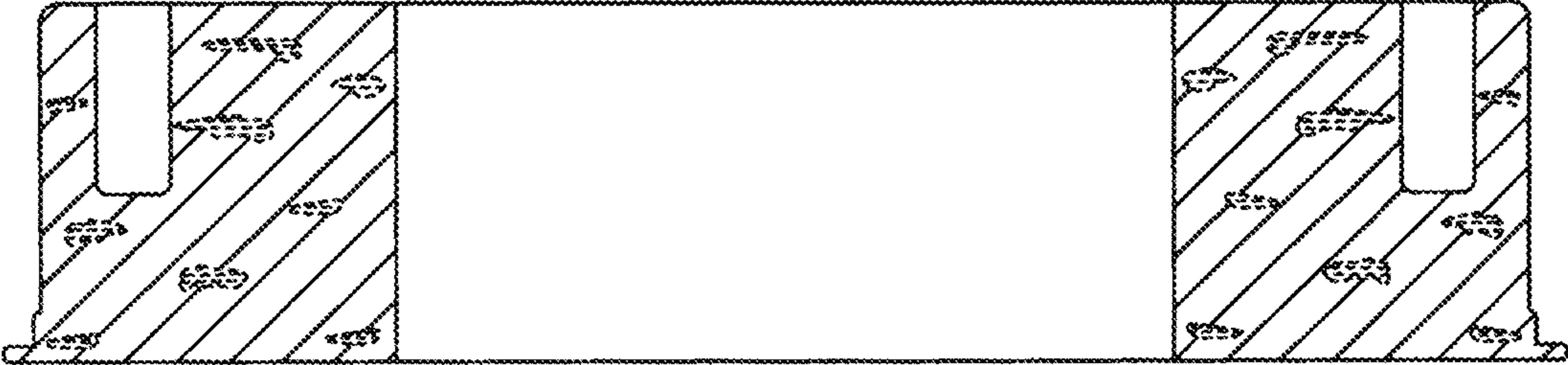


FIG. 8

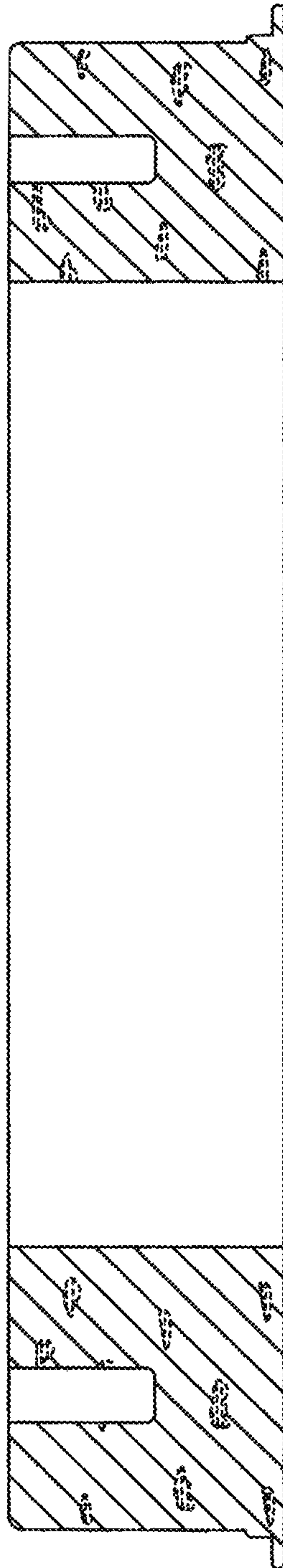


FIG. 9