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

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(54) **AIR CAVITY FOR HULL SURFACE OF VESSEL**

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(73) Assignee: **SILVERSTREAM TECHNOLOGIES B.V.**, VB Amstelveen (NL)

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

(21) Appl. No.: **29/539,006**

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

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(51) **LOC (10) Cl.** ..... **12-06**

(52) **U.S. Cl.**  
USPC ..... **D12/317**

(58) **Field of Classification Search**  
USPC ..... D12/317  
CPC ..... B63B 1/34; B63B 1/38; B63B 2001/38;  
B63B 2001/385; B63B 2001/387  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,339,761 A \* 8/1994 Huang ..... B63B 1/042  
114/274  
5,456,201 A \* 10/1995 Bobst ..... B63B 1/38  
114/222  
5,746,146 A \* 5/1998 Bixel, Jr. .... B63B 1/20  
114/67 A

6,145,459 A \* 11/2000 Takahashi ..... B63B 1/38  
114/67 A  
7,997,221 B2 \* 8/2011 Costas ..... B63B 1/38  
114/67 A  
8,327,784 B2 \* 12/2012 Costas ..... B63B 1/38  
114/67 A  
2002/0017228 A1 \* 2/2002 Burg ..... B63B 1/38  
114/67 A  
2002/0083878 A1 \* 7/2002 Burg ..... B63B 1/38  
114/289

(Continued)

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(57) **CLAIM**

The ornamental design for an air cavity for hull surface of vessel, as shown and described.

**DESCRIPTION**

FIG. 1 is a bottom, front, and right side perspective view of an air cavity for hull surface of vessel, according to the present invention;

FIG. 2 is a bottom view thereof;

FIG. 3 is a top view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a front view thereof;

FIG. 6 is a left side view thereof;

FIG. 7 is a right side view thereof;

FIG. 8 is a bottom, front, and right side perspective view of an air cavity for hull surface of vessel, according to another embodiment of the present invention;

FIG. 9 is a bottom view thereof;

FIG. 10 is a top view thereof;

FIG. 11 is a rear view thereof;

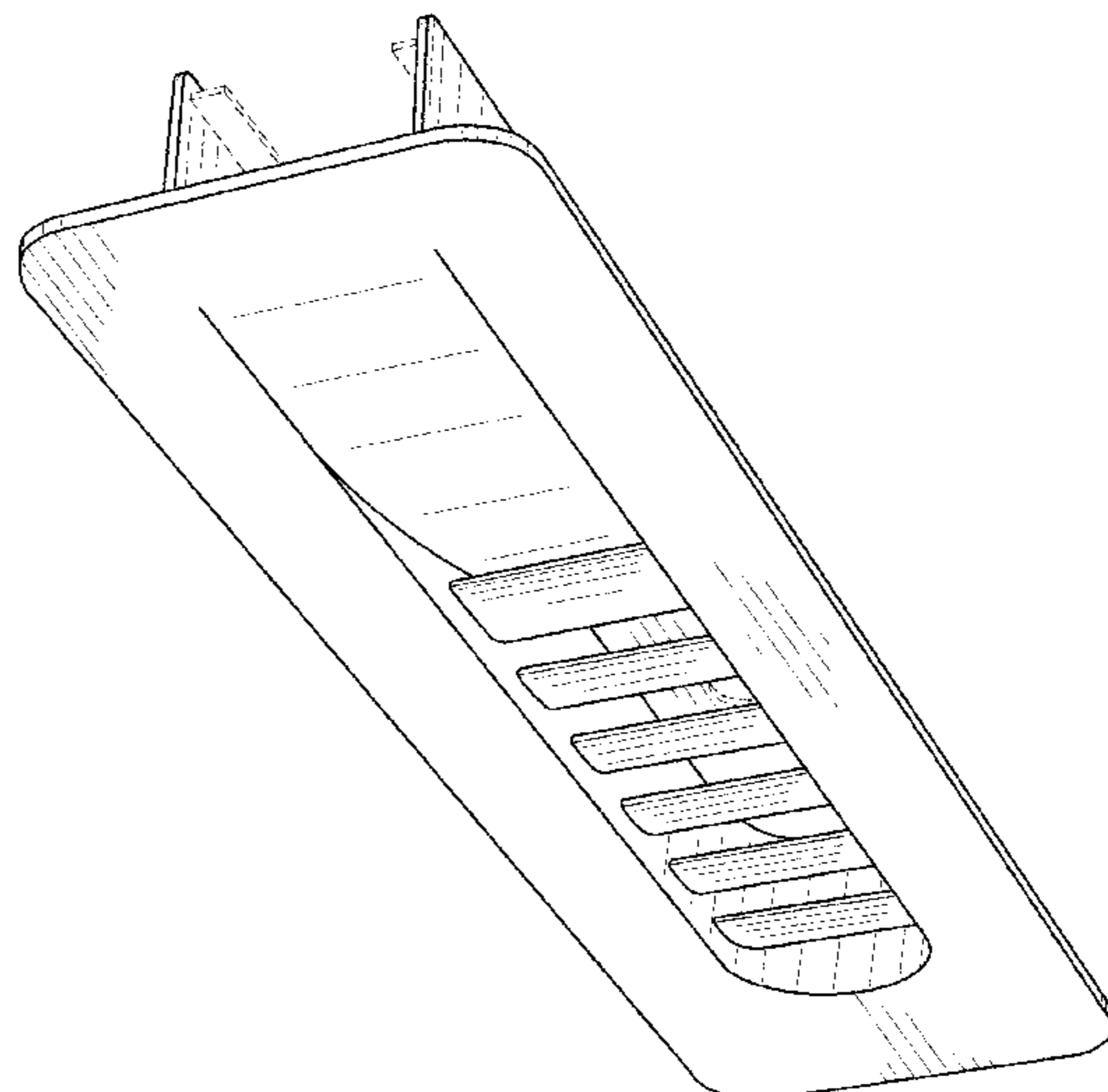
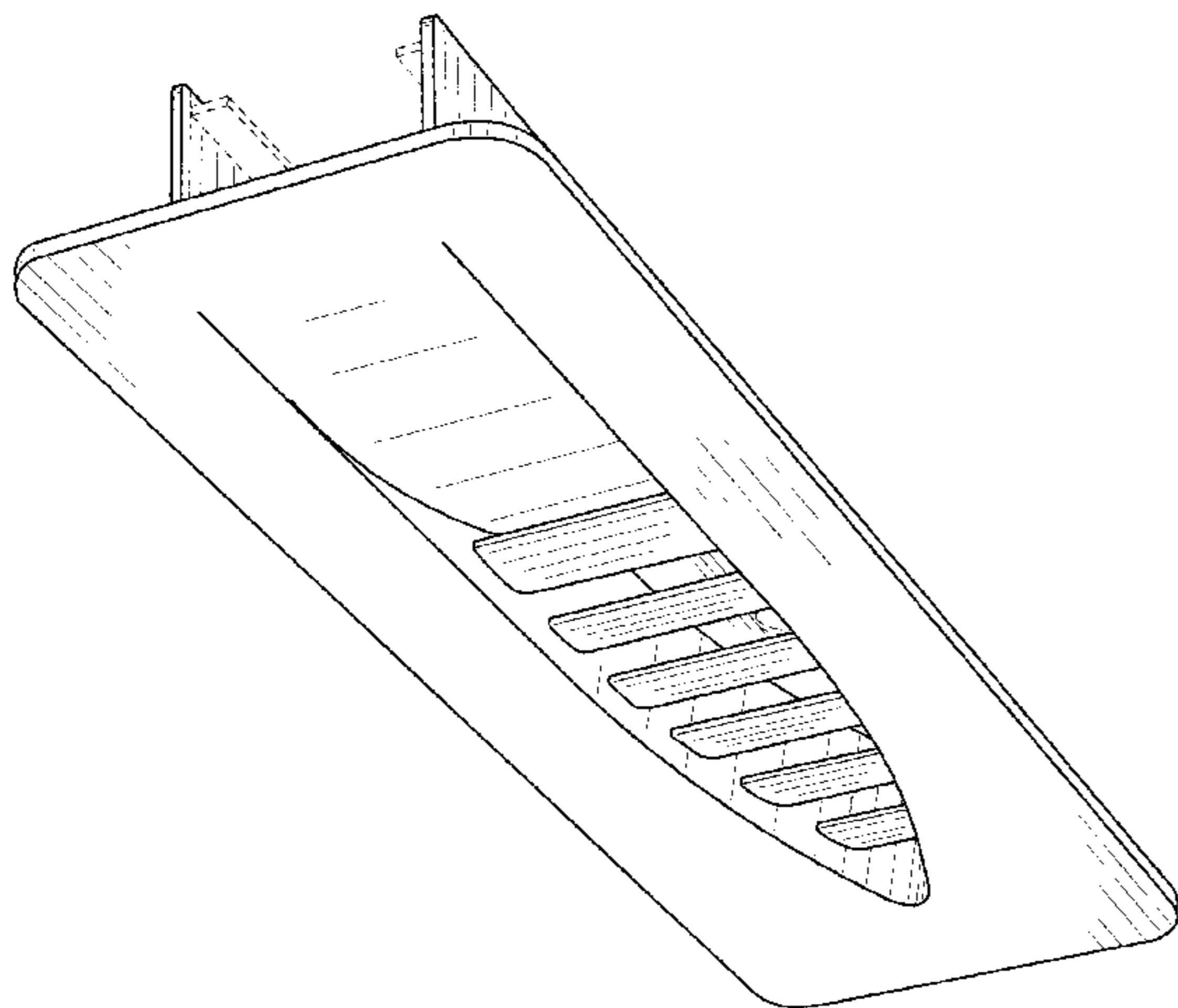
FIG. 12 is a front view thereof;

FIG. 13 is a left side view thereof; and,

FIG. 14 is a right side view thereof.

The broken lines are for the purpose of illustrating portions of the article that form no part of the claim.

**1 Claim, 12 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2003/0159637 A1\* 8/2003 Osmundsvaag ..... B63B 1/042  
114/67 A  
2004/0154514 A1\* 8/2004 Burg ..... B63B 1/38  
114/67 A  
2006/0231004 A1\* 10/2006 Stubblefield ..... B63B 1/38  
114/67 A  
2009/0126618 A1\* 5/2009 Winkler ..... B63B 1/32  
114/289  
2011/0146806 A1\* 6/2011 Wulf ..... B63B 1/38  
137/13  
2012/0097086 A1\* 4/2012 Sancoff ..... B63B 1/107  
114/15  
2016/0075406 A1\* 3/2016 Johannesson ..... B63B 1/38  
114/67 A

\* cited by examiner

FIG. 1

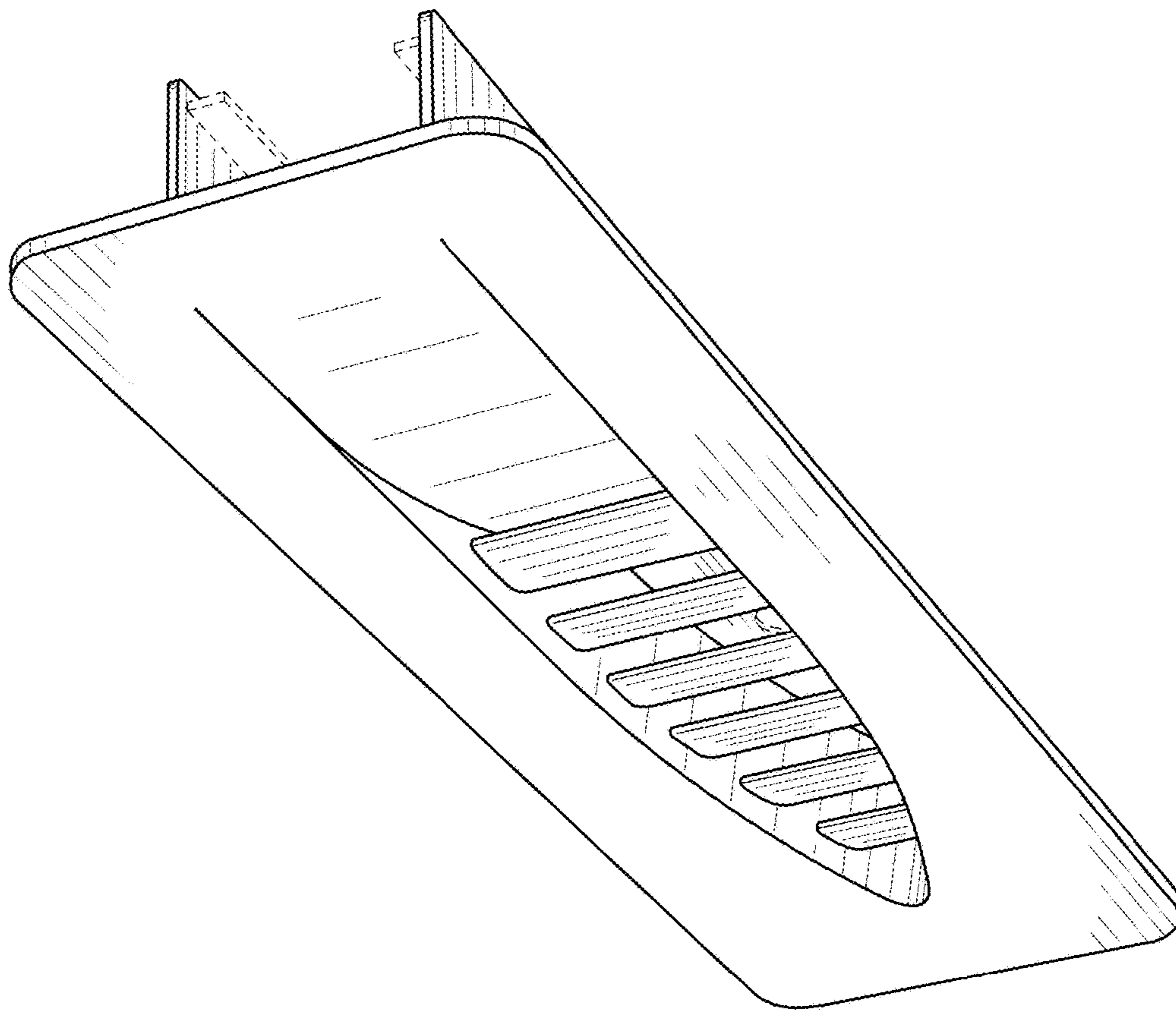


FIG. 2

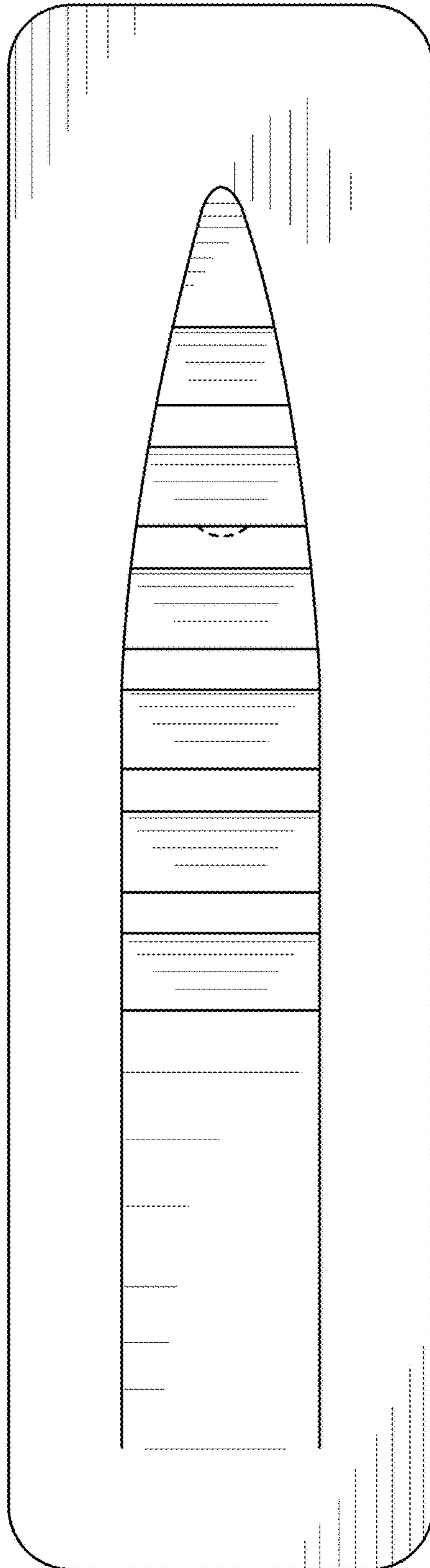


FIG. 3

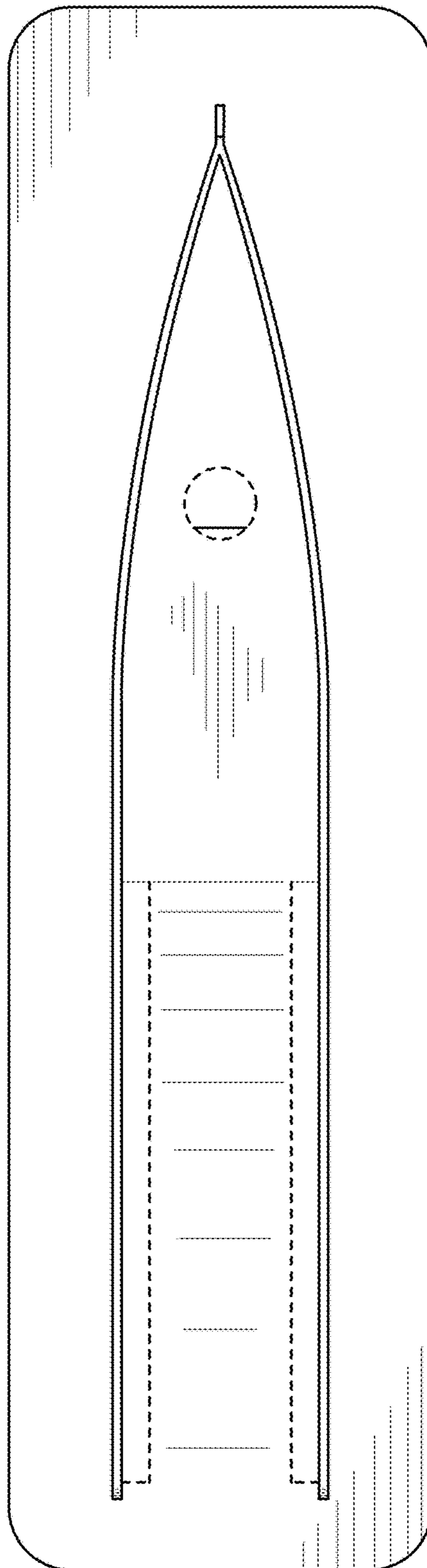


FIG. 4

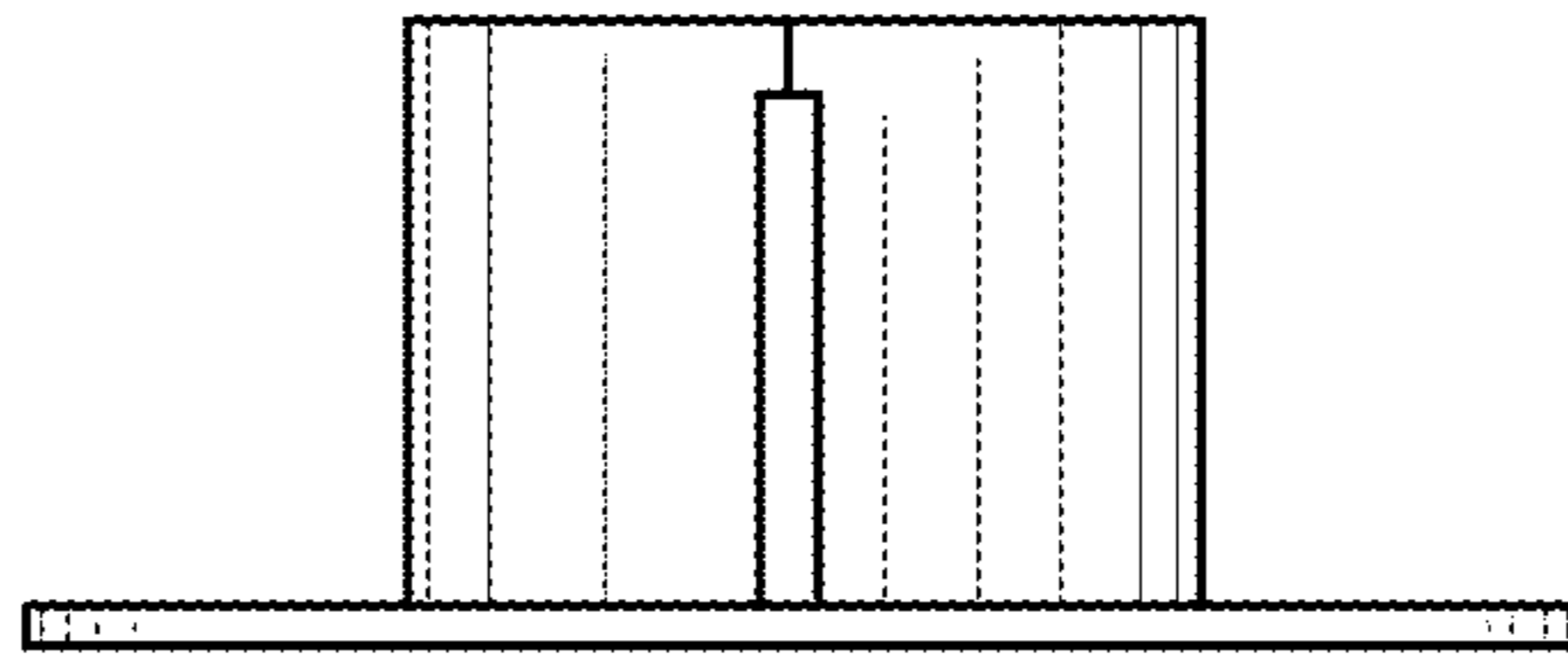


FIG. 5

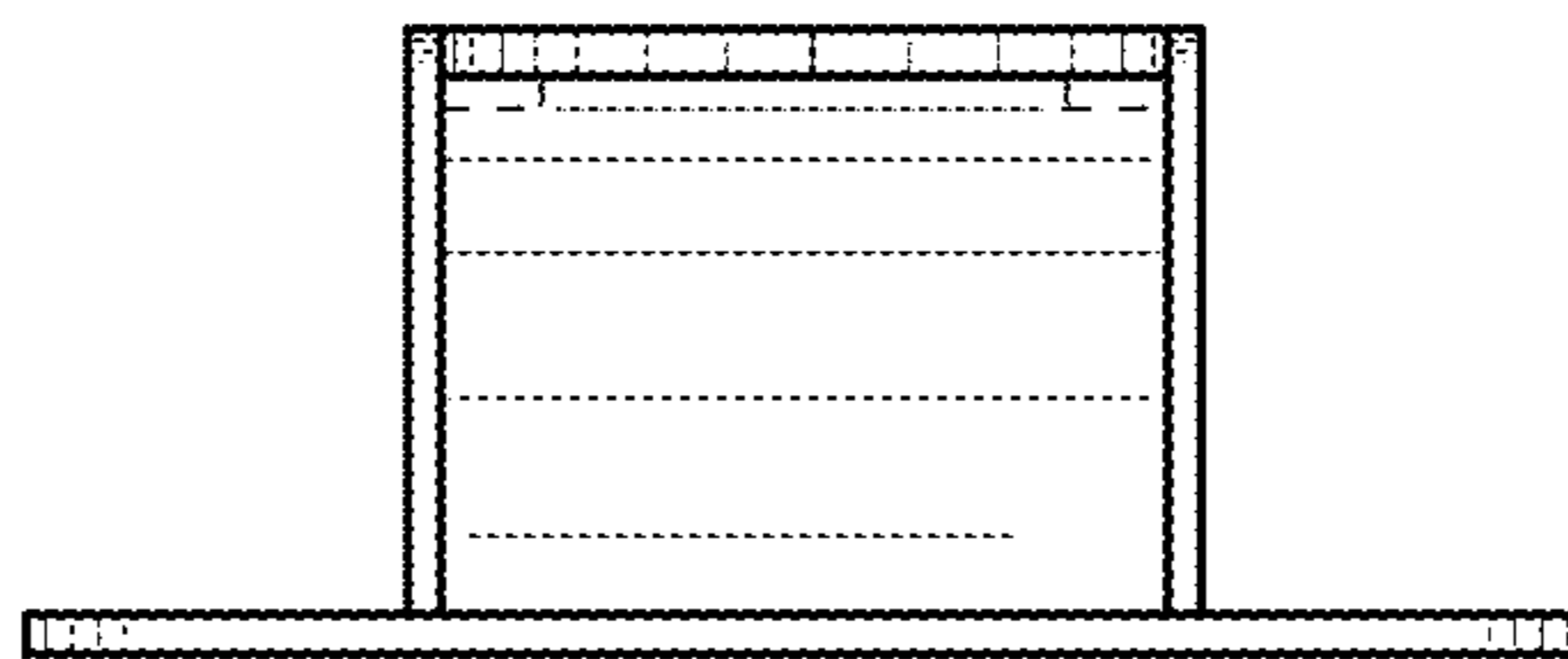


FIG. 6

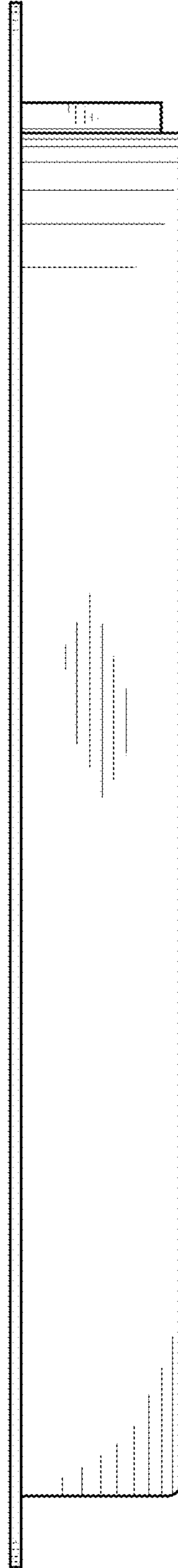


FIG. 7

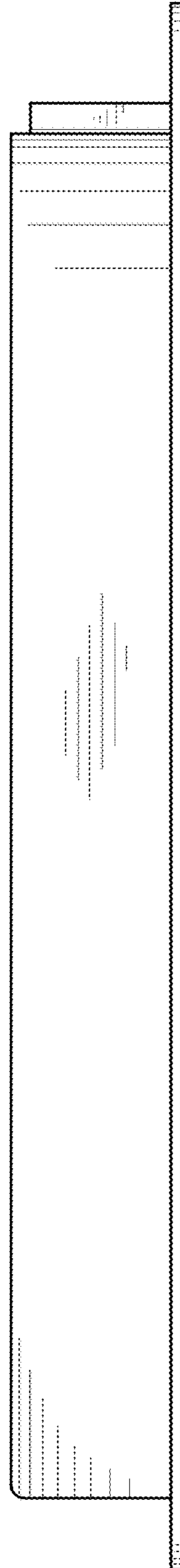




FIG. 8

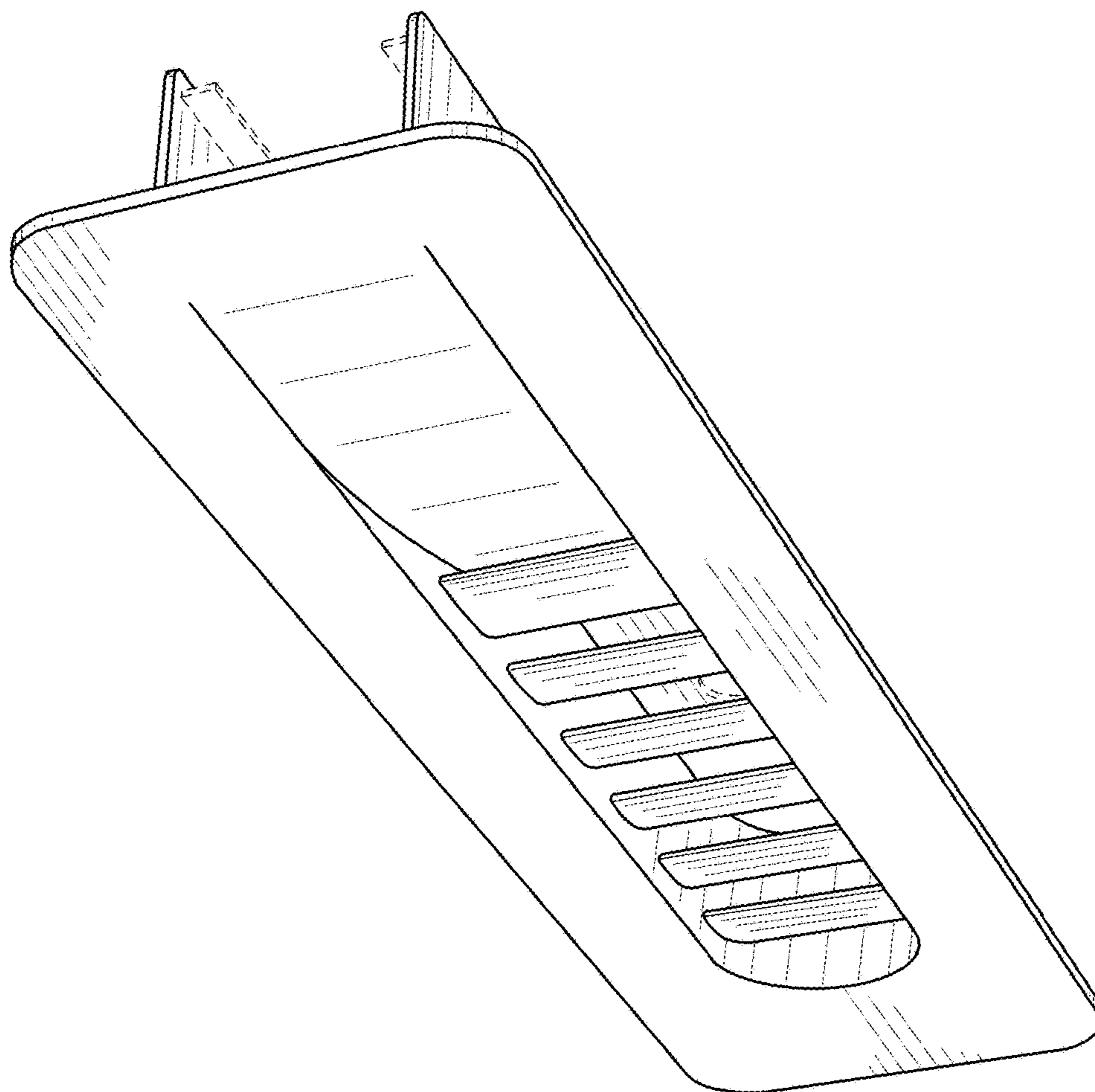


FIG. 9

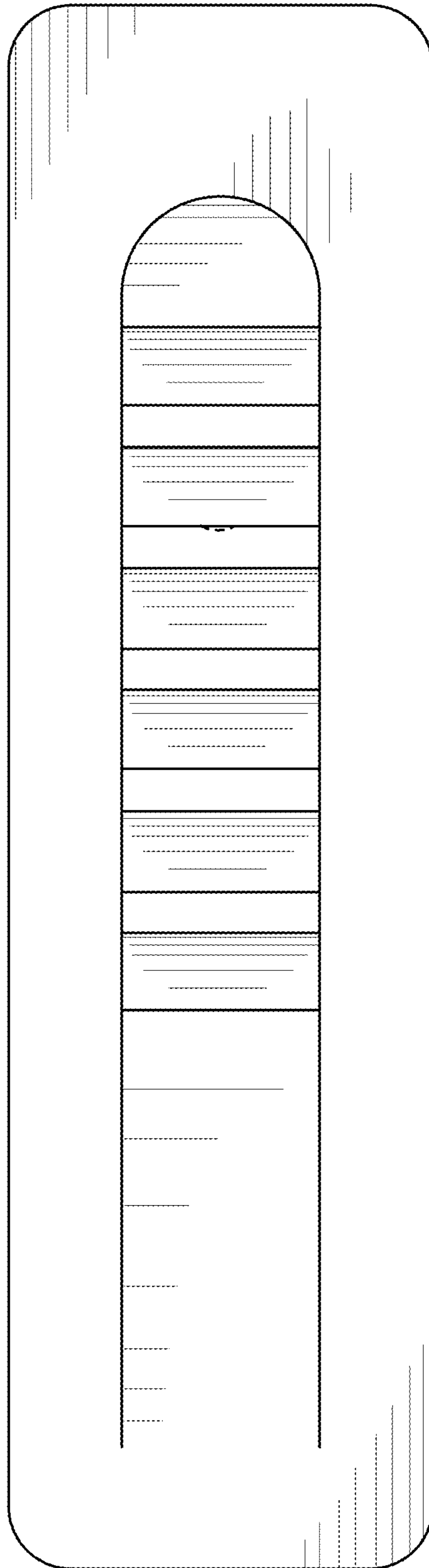


FIG. 10

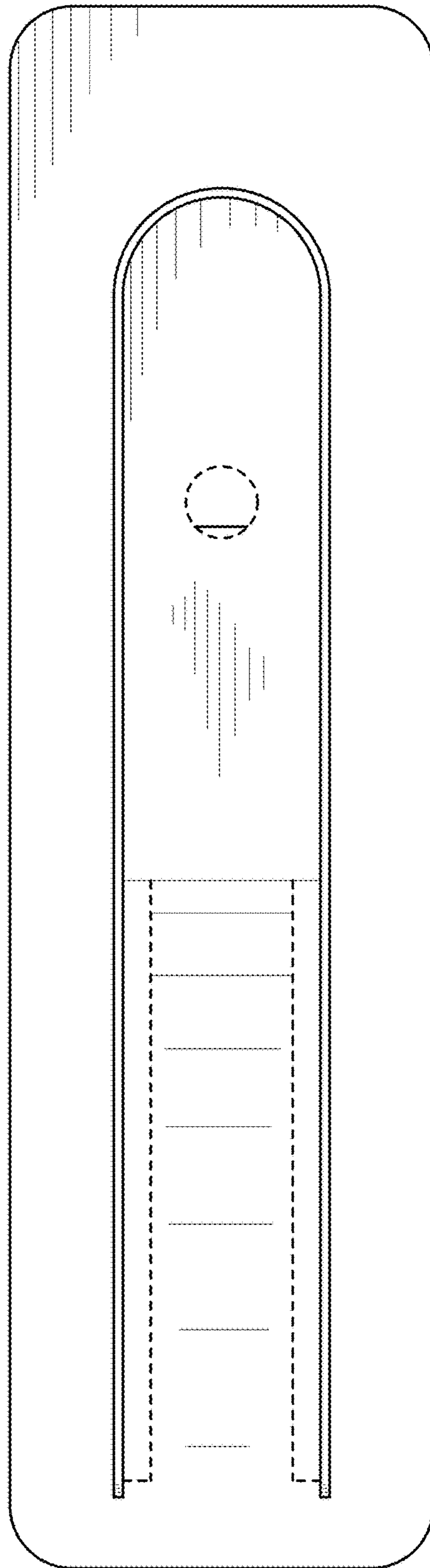


FIG. 11

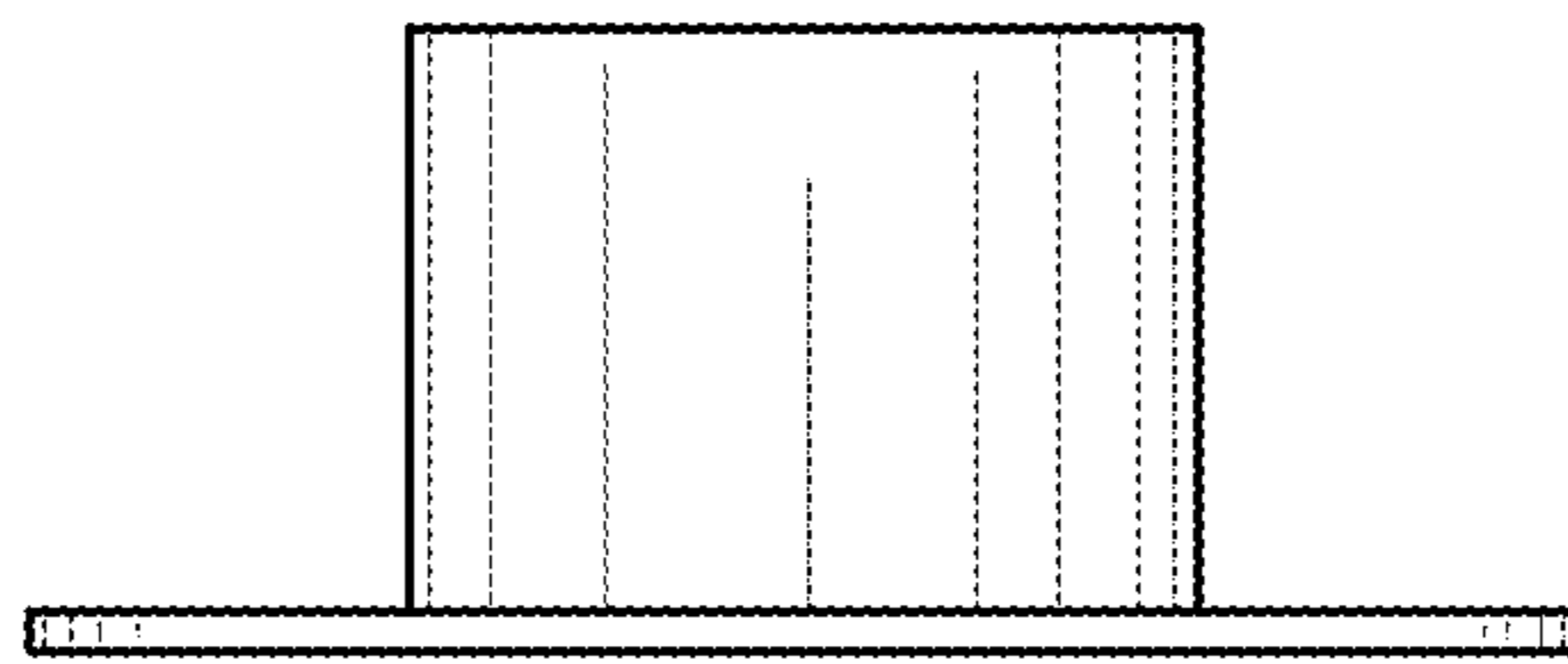


FIG. 12

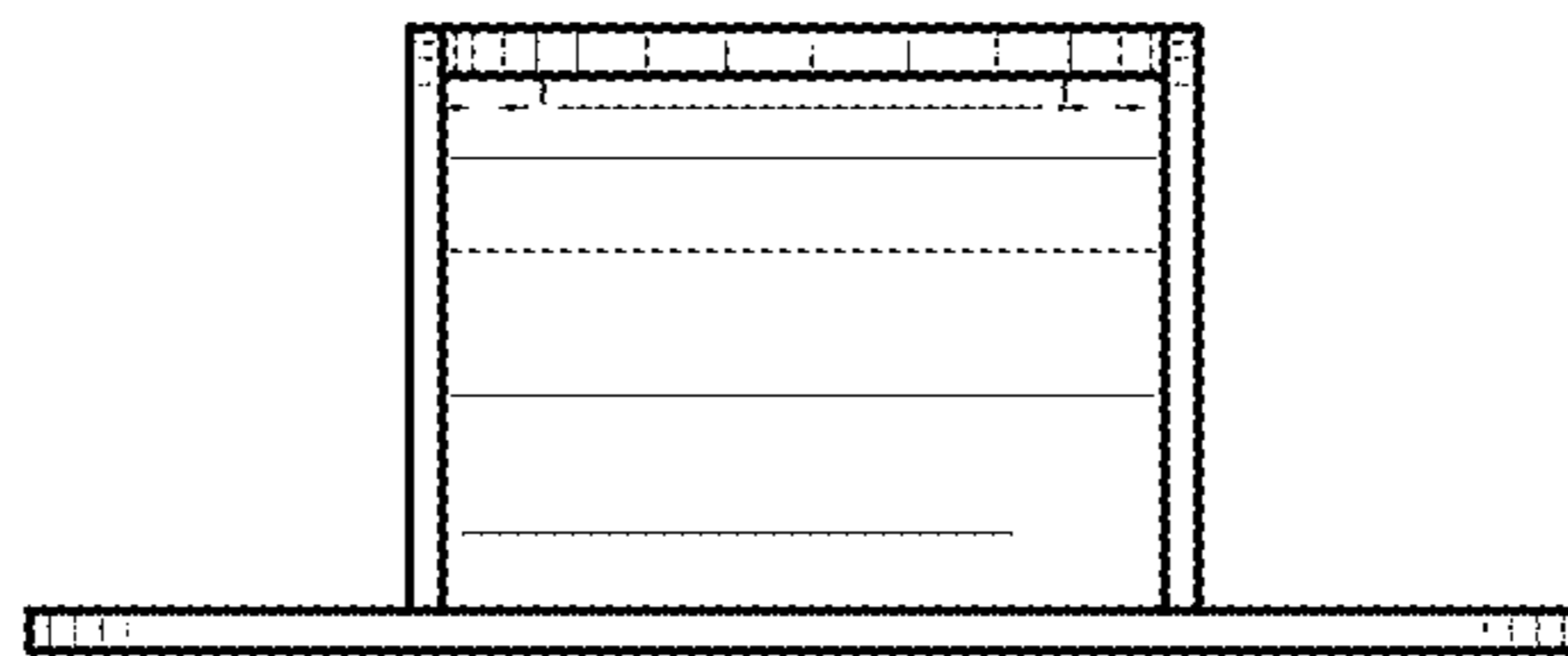


FIG. 13

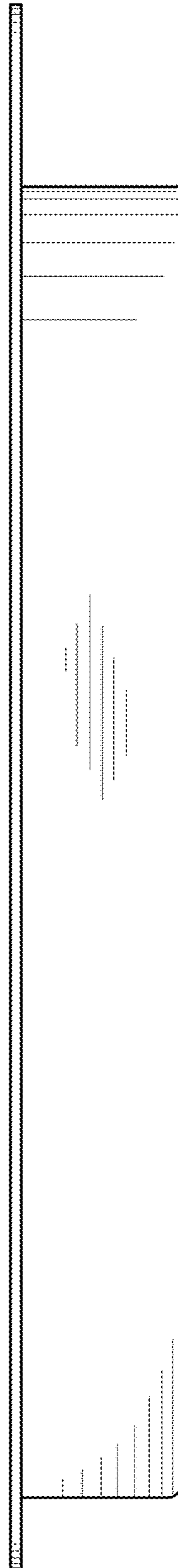


FIG. 14

