



US00D832987S

(12) **United States Design Patent** (10) **Patent No.:** **US D832,987 S**  
**Bergin** (45) **Date of Patent:** **\*\* Nov. 6, 2018**

(54) **ROOF FAN SHROUD**

(74) *Attorney, Agent, or Firm* — Middleton Reutlinger

(71) Applicant: **DOMETIC SWEDEN AB**, Solna (SE)

(57) **CLAIM**

(72) Inventor: **Bryan B. Bergin**, Granger, IN (US)

The ornamental design for a roof fan shroud, as shown and described.

(73) Assignee: **Dometic Sweden AB**, Solna (SE)

**DESCRIPTION**

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

(21) Appl. No.: **29/580,801**

(22) Filed: **Oct. 13, 2016**

(51) **LOC (11) Cl.** ..... **12-16**

(52) **U.S. Cl.**  
USPC ..... **D23/325**

(58) **Field of Classification Search**  
USPC ..... D23/324–325; 454/94, 136, 143–146,  
454/151; D12/106, 100–105, 19, 219,  
D12/111–112

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

536,156 A 3/1895 Rice  
1,692,073 A 11/1928 Brenner  
(Continued)

**FOREIGN PATENT DOCUMENTS**

AU 359397 12/2014  
AU 359396 2/2015  
(Continued)

**OTHER PUBLICATIONS**

Canadian Patent Application No. 2,951,956 entitled “Shrouded Roof Vent for a Vehicle” entered national stage on Dec. 9, 2016.  
(Continued)

*Primary Examiner* — Cynthia Ramirez  
*Assistant Examiner* — Gino Colan

Cross-reference is made to U.S. patent application Ser. No. 15/292,239, entitled “Roof Fan Assembly,” which is filed on the same day as the present application and is expressly incorporated herein by reference.

FIG. 1 is a perspective view of a first design of the roof fan shroud;

FIG. 2 is a top plan view of the design of FIG. 1;

FIG. 3 is a front elevation view of the design of FIG. 1;

FIG. 4 is a rear elevation view of the design of FIG. 1;

FIG. 5 is a right side elevation view of the design of FIG. 1;

FIG. 6 is a left side elevation view of the design of FIG. 1;

FIG. 7 is a perspective view of a second design of a roof fan shroud;

FIG. 8 is a top plan view of the design of FIG. 7;

FIG. 9 is a front elevation view of the design of FIG. 7;

FIG. 10 is a rear elevation view of the design of FIG. 7;

FIG. 11 is a right side elevation view of the design of FIG. 7;

FIG. 12 is a left side elevation view of the design of FIG. 7;  
FIG. 13 is a perspective view of a third design of a roof fan shroud;

FIG. 14 is a top plan view of the design of FIG. 13;

FIG. 15 is a front elevation view of the design of FIG. 13;

FIG. 16 is a rear elevation view of the design of FIG. 13;

FIG. 17 is a right side elevation view of the design of FIG. 13;

FIG. 18 is a left side elevation view of the design of FIG. 13;

FIG. 19 is a perspective view of a fourth design of a roof fan shroud;

FIG. 20 is a top plan view of the design of FIG. 19;

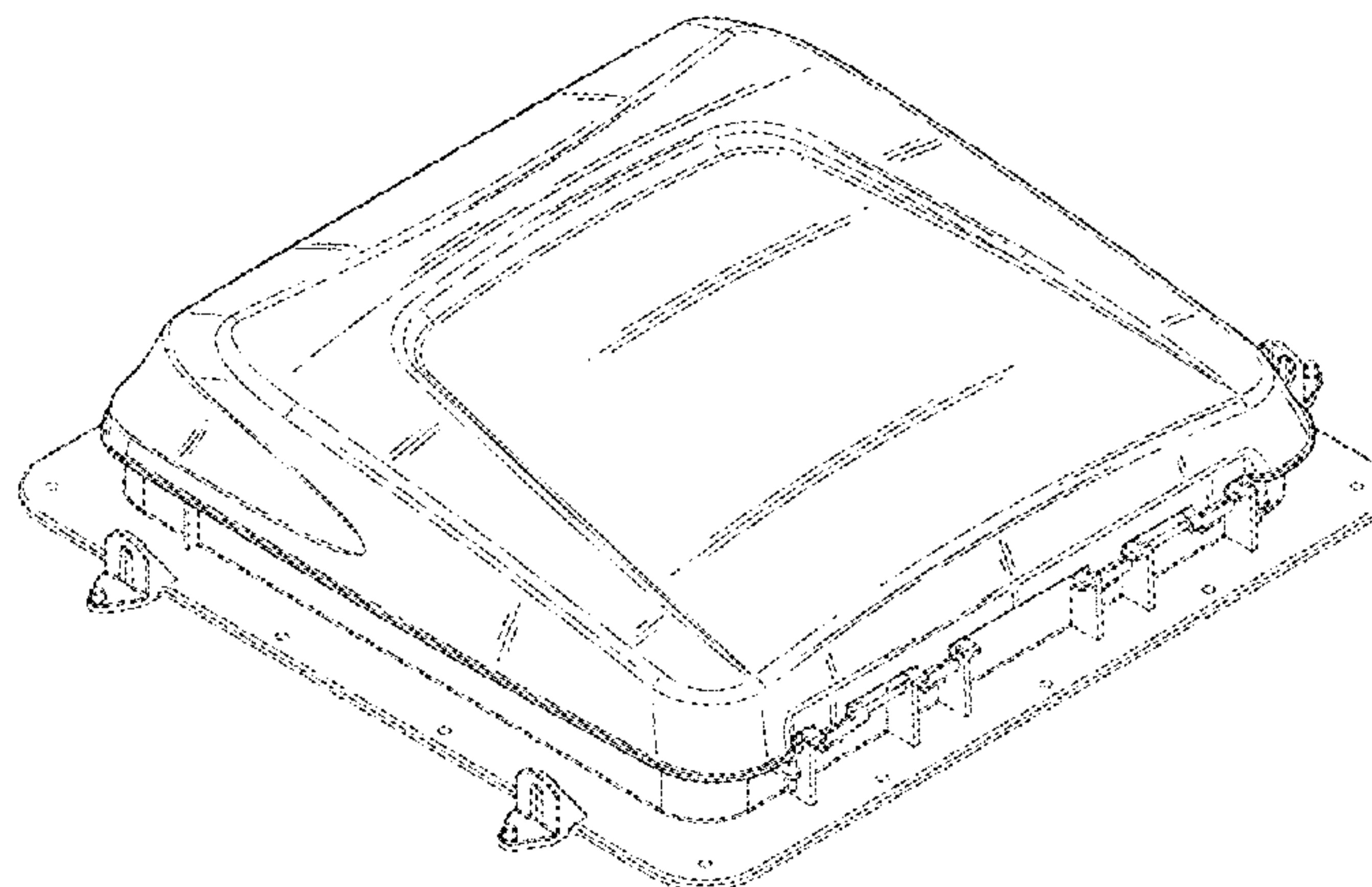
FIG. 21 is a front elevation view of the design of FIG. 19;

FIG. 22 is a rear elevation view of the design of FIG. 19;

FIG. 23 is a right side elevation view of the design of FIG. 19; and,

FIG. 24 is a left side elevation view of the design of FIG. 19.

(Continued)



The broken lines are included for the purpose of illustrating portions of the roof fan shroud that form no part of the claimed design.

**1 Claim, 24 Drawing Sheets**

(58) **Field of Classification Search**

CPC ..... B60H 1/00364; B60H 1/26; B60H 1/24  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,372,164	A	3/1945	Woodhams	
3,016,952	A	1/1962	Shero	
3,934,383	A	1/1976	Perry et al.	
3,979,148	A	9/1976	Martin	
4,038,911	A	8/1977	Hart	
4,300,440	A	11/1981	Holter	
4,395,939	A	8/1983	Hough et al.	
4,615,263	A	10/1986	Titterud	
4,633,769	A	1/1987	Milks	
4,759,270	A	7/1988	Linden	
4,872,722	A	10/1989	Farmont	
5,407,038	A	4/1995	Pedlar	
5,672,101	A	9/1997	Thomas	
5,730,583	A	3/1998	Alizadeh	
5,797,648	A	8/1998	Fiegel et al.	
5,839,229	A	11/1998	Briggs et al.	
5,984,405	A	11/1999	Ciacci	
D421,798	S	3/2000	Liang	
6,179,034	B1	1/2001	Fuss	
6,241,474	B1	6/2001	Alizadeh et al.	
D446,295	S	8/2001	Williams et al.	
6,347,484	B1	2/2002	Swanger	
6,438,800	B1	8/2002	Narang et al.	
6,442,896	B1	9/2002	Chapin, III	
D495,041	S *	8/2004	Thomas ..... D23/325	
7,021,006	B2	4/2006	Farrar et al.	
7,419,368	B2	9/2008	Milks	
7,731,574	B2	6/2010	Milks	
7,762,765	B2	7/2010	Milks	
D654,920	S	2/2012	Wang et al.	
8,177,496	B2	5/2012	Wilson et al.	
D661,386	S *	6/2012	Bergin ..... D23/325	
D712,531	S *	9/2014	Bergin ..... D23/325	
D715,907	S *	10/2014	Bergin ..... D23/325	
D716,925	S *	11/2014	Bergin ..... D23/325	
D723,152	S	2/2015	Xu et al.	
D725,257	S	3/2015	Huang et al.	
D726,300	S	4/2015	DeFilippis	
D734,845	S	7/2015	Xu et al.	
D736,368	S	8/2015	Xu et al.	
D742,294	S	11/2015	Iancului	
9,399,183	B2	7/2016	McVay et al.	
D762,528	S	8/2016	Allard et al.	
9,557,072	B2	1/2017	Tolinski et al.	
D782,939	S	4/2017	Allard et al.	
D782,940	S	4/2017	Allard et al.	
D782,941	S	4/2017	Allard et al.	
D785,771	S *	5/2017	Bergin ..... D23/325	
D787,037	S	5/2017	Allard et al.	
2003/0012656	A1	1/2003	Cho et al.	

2004/0175270	A1	9/2004	Havel et al.
2005/0003751	A1	1/2005	Thomas
2005/0180849	A1	8/2005	Chen et al.
2005/0207894	A1	9/2005	Park
2007/0166165	A1	7/2007	Lee
2008/0139101	A1	6/2008	Bickel et al.
2008/0156282	A1	7/2008	Aschermann
2008/0210409	A1	9/2008	Saksager
2009/0155076	A1	6/2009	Jarrah
2010/0056035	A1	3/2010	Hua
2010/0068060	A1	3/2010	Ota et al.
2010/0260630	A1	10/2010	Bilodeau et al.
2011/0135494	A1	6/2011	Nicgorski et al.
2011/0236211	A1	9/2011	Schneider et al.
2012/0224988	A1	9/2012	Maier et al.
2012/0244000	A1	9/2012	Turcas
2013/0147312	A1	6/2013	Qin et al.
2013/0323062	A1	12/2013	Henner et al.
2014/0030104	A1	1/2014	Lee et al.
2014/0056710	A1	2/2014	Henner et al.
2014/0119922	A1	5/2014	Nakano et al.
2014/0334952	A1	11/2014	Ziegler et al.
2015/0064011	A1	3/2015	Xu et al.
2015/0078937	A1	3/2015	Crevel et al.
2015/0352924	A1	12/2015	Allard et al.
2016/0200174	A1	7/2016	Tremer et al.

FOREIGN PATENT DOCUMENTS

AU	367696	3/2016
AU	367699	3/2016
AU	367700	3/2016
AU	367701	3/2016
CA	159763	11/2014
CA	166627	4/2016
CA	166057	9/2016
CA	170268	9/2016
CA	174116	2/2018
CA	179097	2/2018
CN	3545706	12/2015
DE	19607931	2/1998
EM	002591586	2/2015
EM	002919936	12/2015
WO	2015191029	12/2015

OTHER PUBLICATIONS

US Patent and Trademark Office International Search Report for PCT/US2014/041566 dated Oct. 24, 2014.  
Canadian Design Patent Application No. 174116 entitled "Roof Fan Shroud" filed Apr. 11, 2017.  
U.S. Appl. No. 15/198,697 entitled "Compact Fan for a Recreational Vehicle" filed Jun. 30, 2016.  
U.S. Appl. No. 15/292,239 entitled "Roof Fan Assembly" filed Oct. 13, 2016.  
Design U.S. Appl. No. 29/588,249 entitled "Fan" filed Dec. 19, 2016.  
Fantastic® Vent Fan with fan blade Model No. 8138-81 dated Feb. 13, 2015.  
MaxxAir Fans, MaxxFan 4301K and 4401K; Jan. 22, 2016.  
Dometic Product Catalog 2016, Fan-Tastic Vent Models; EZ-Breeze; Ultra Breeze. pp. 90-91. 2016.  
Transmittal Letter of Related Cases.

\* cited by examiner



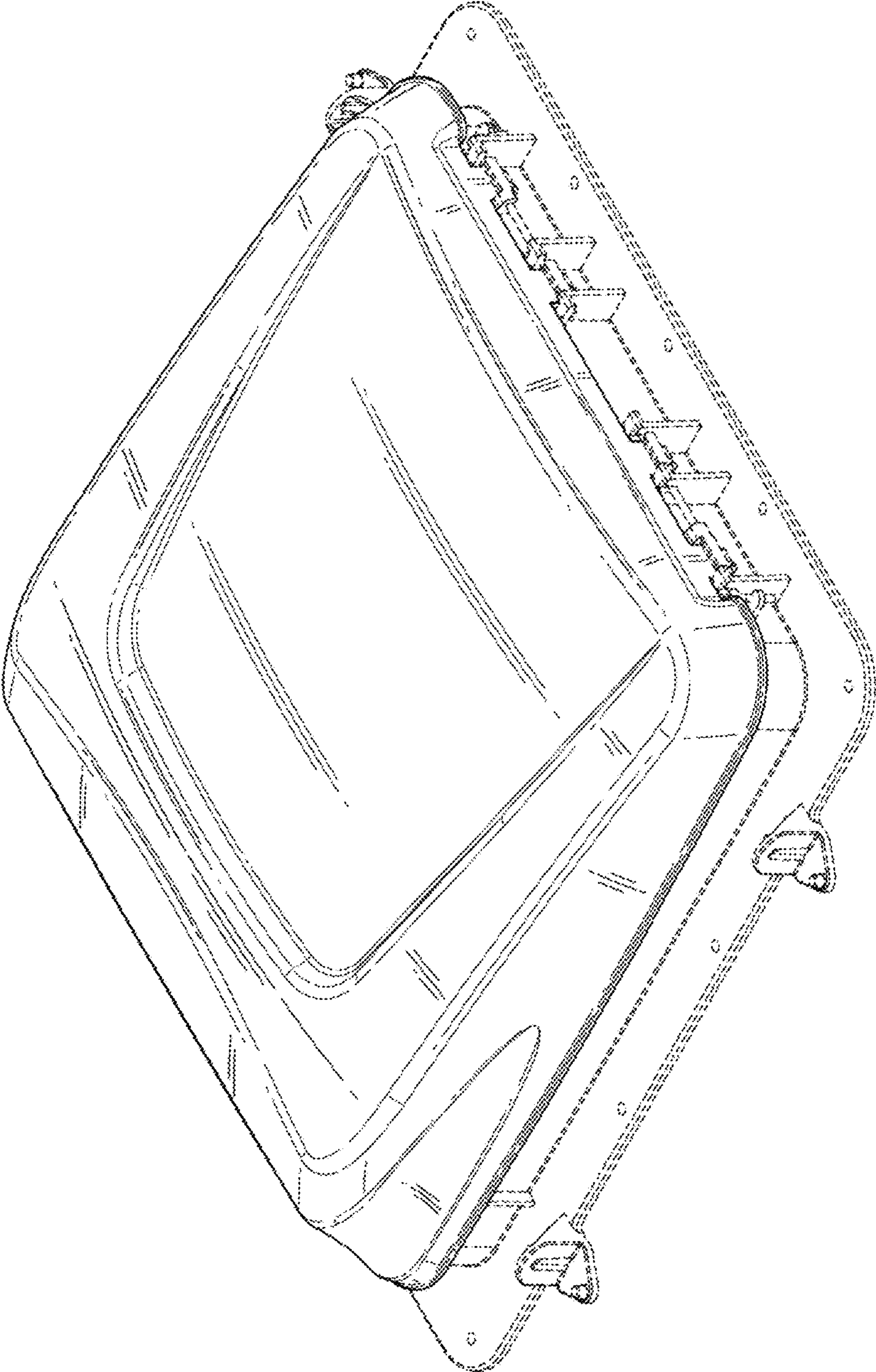


FIG. 1

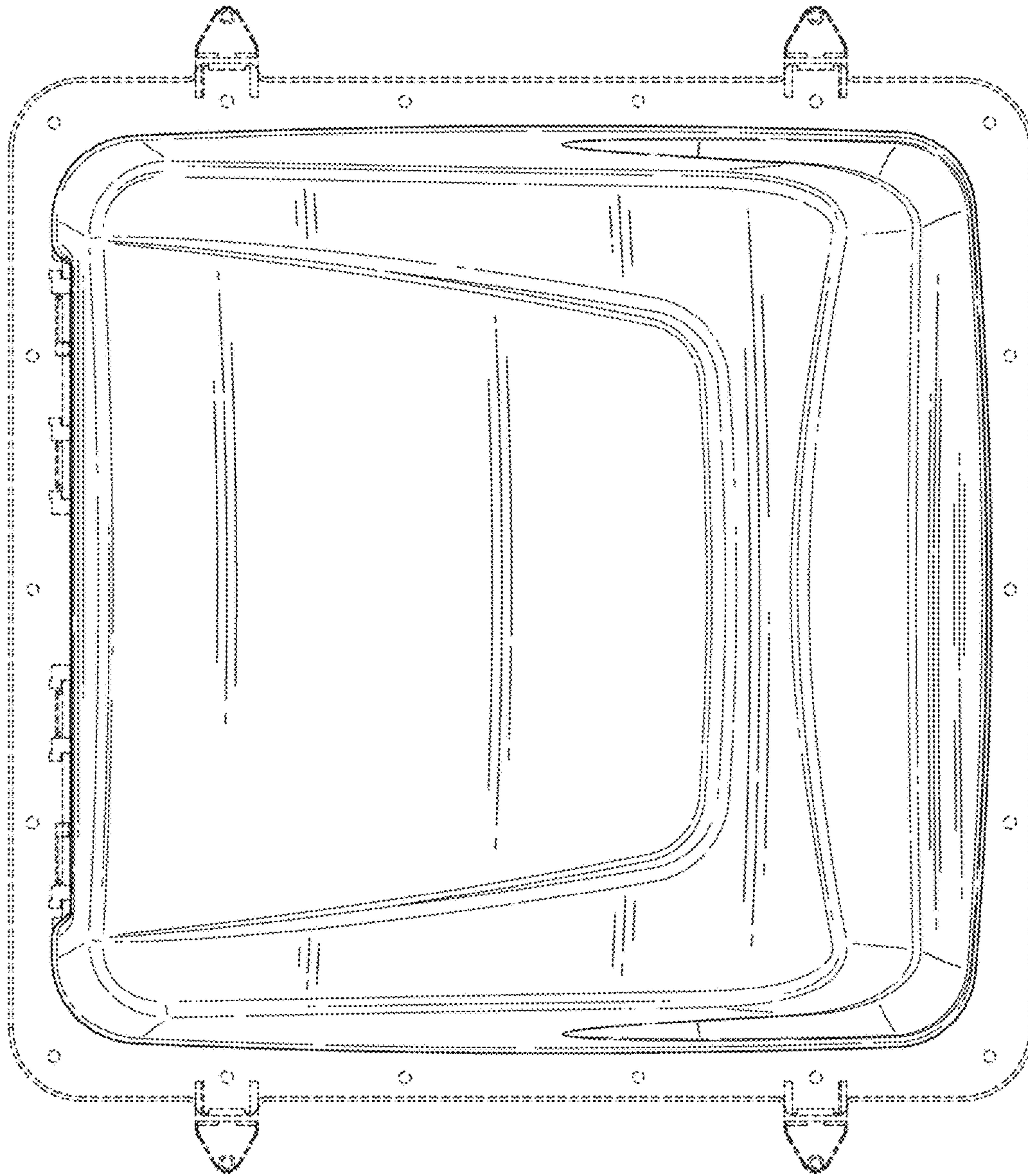


FIG. 2

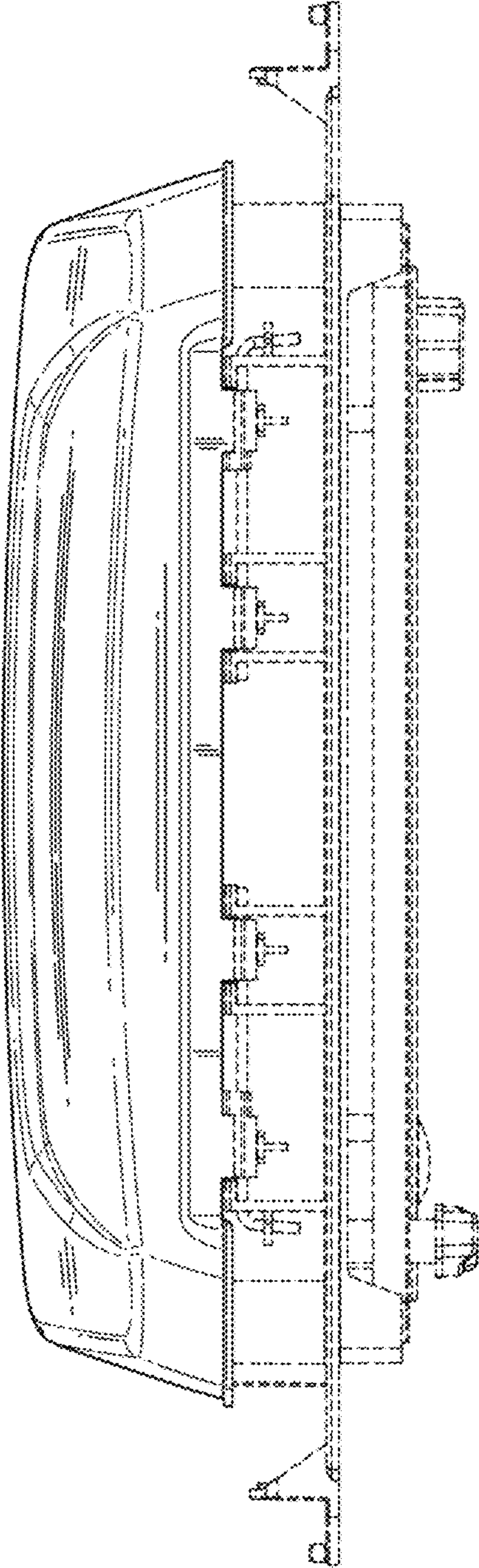


FIG. 3



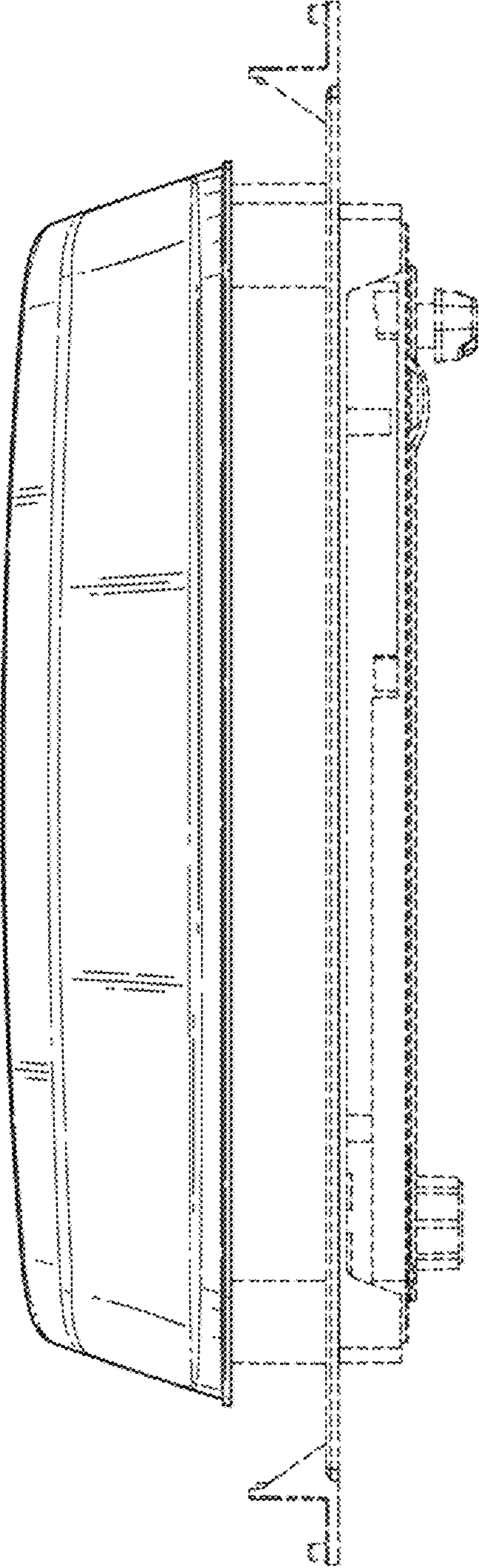


FIG. 4

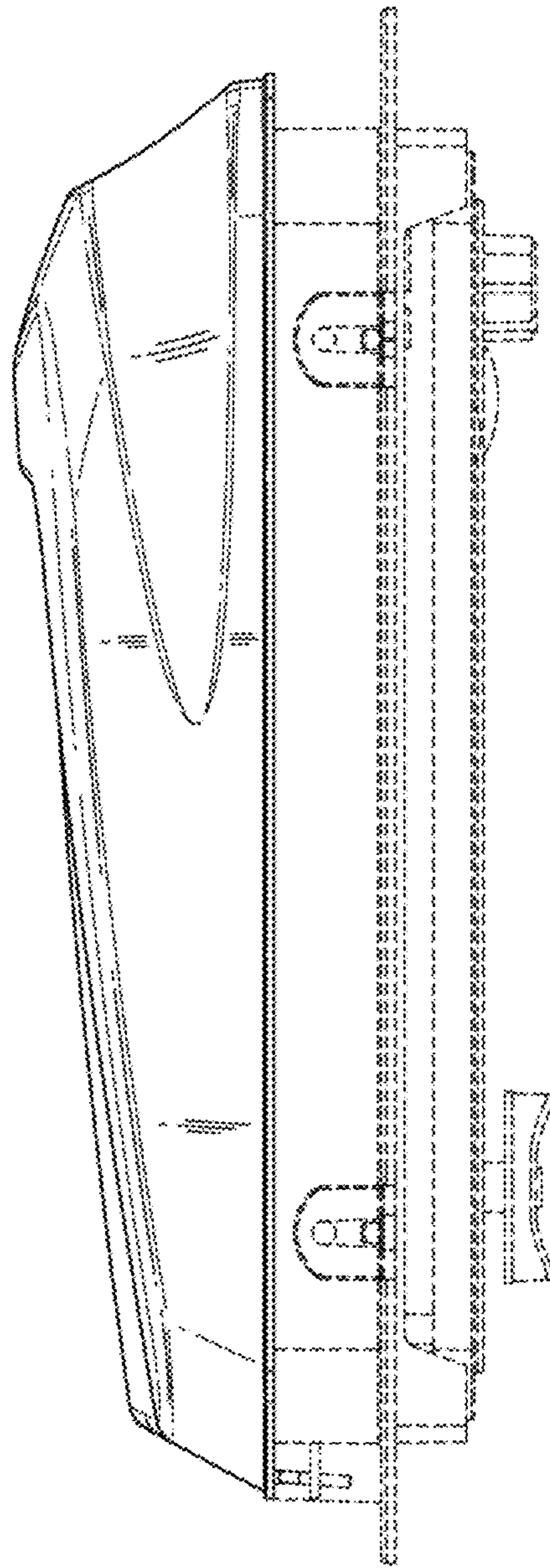


FIG. 5

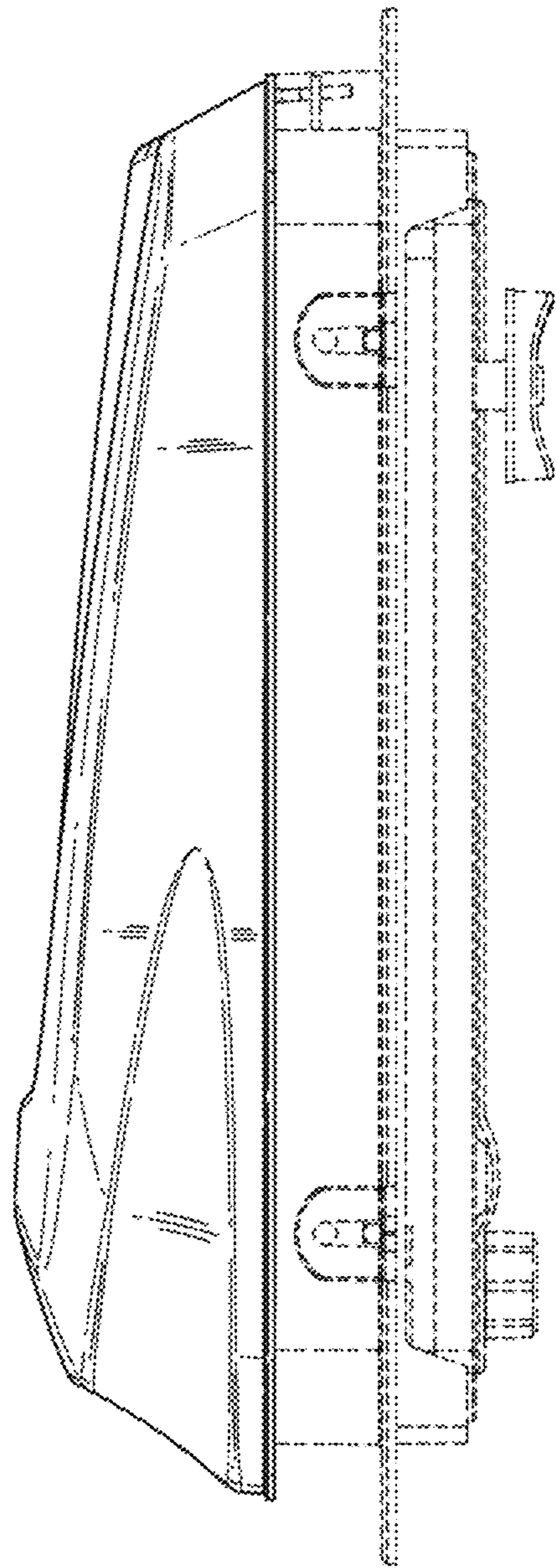


FIG. 6



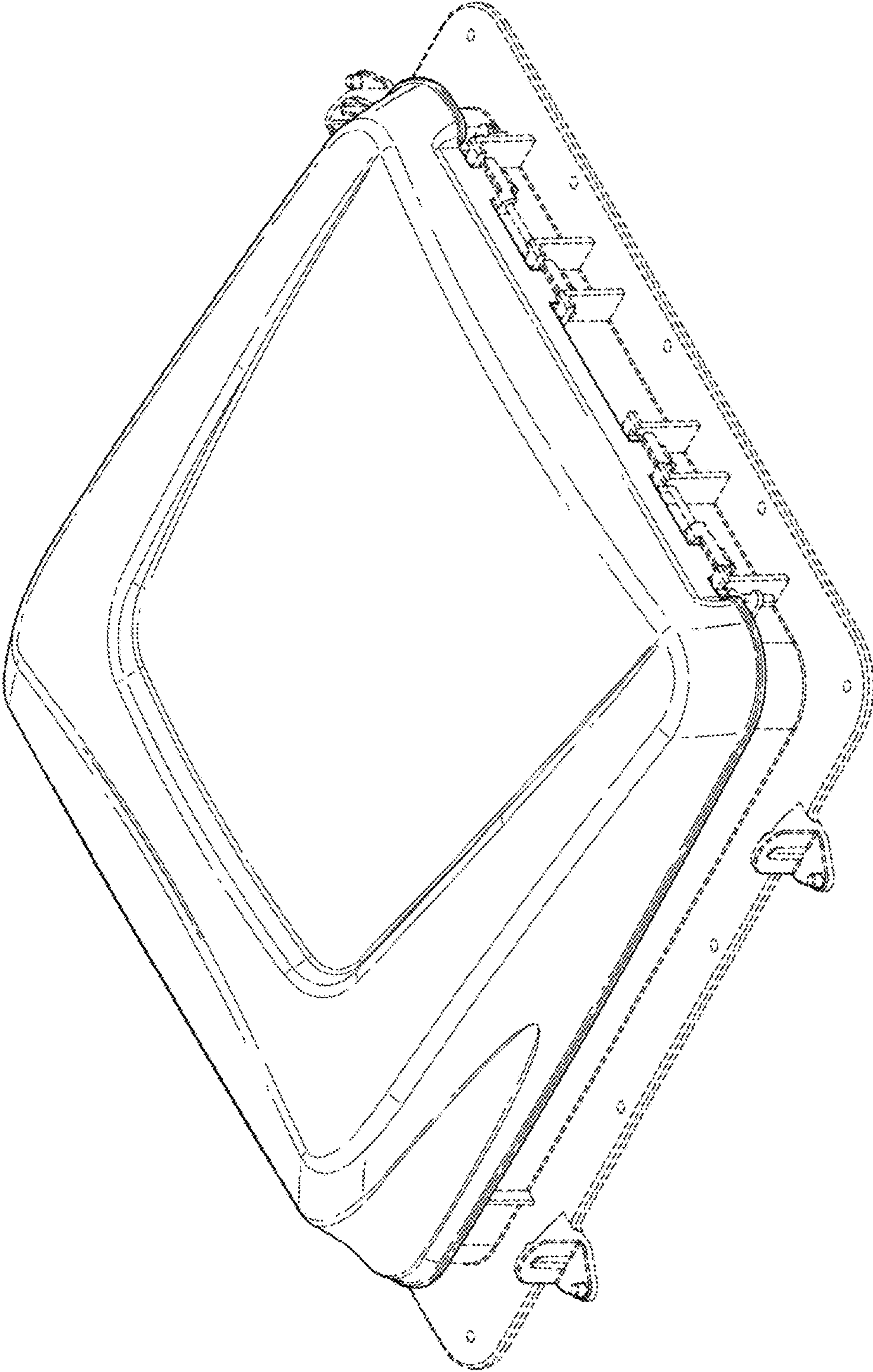


FIG. 7

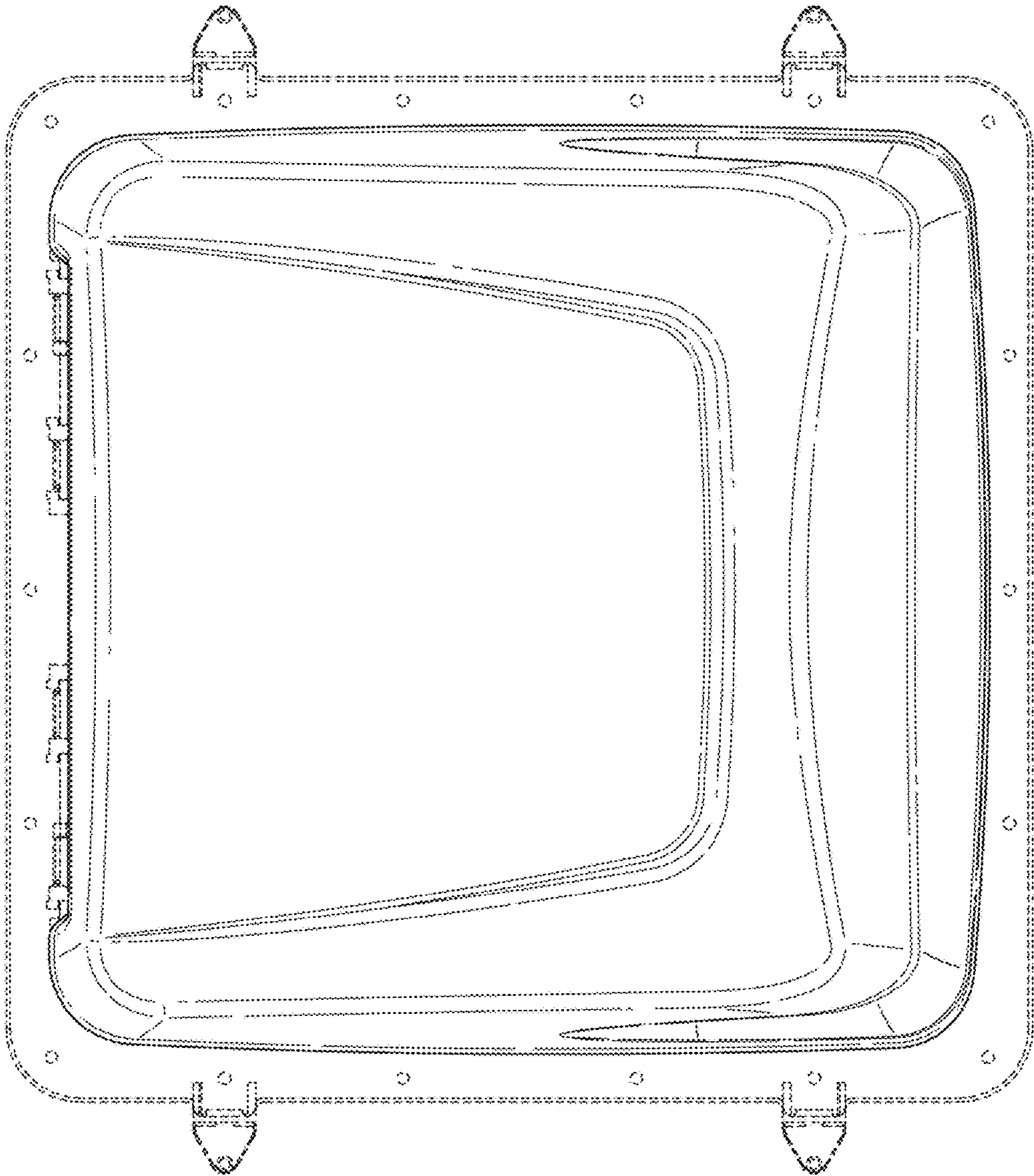


FIG. 8

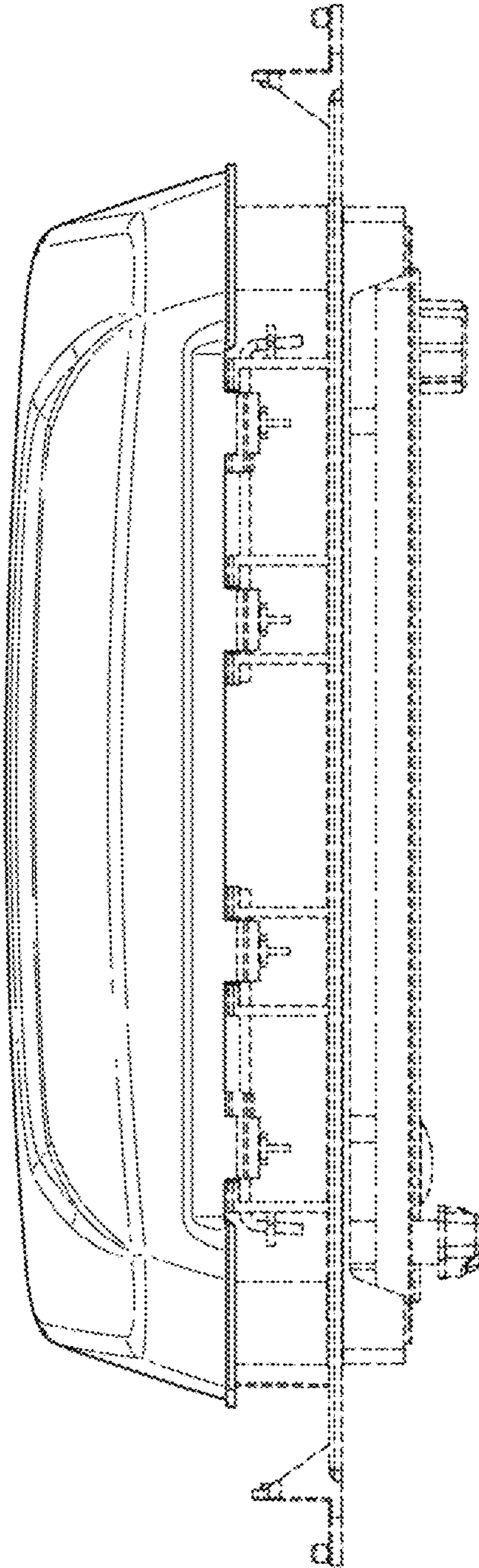


FIG. 9



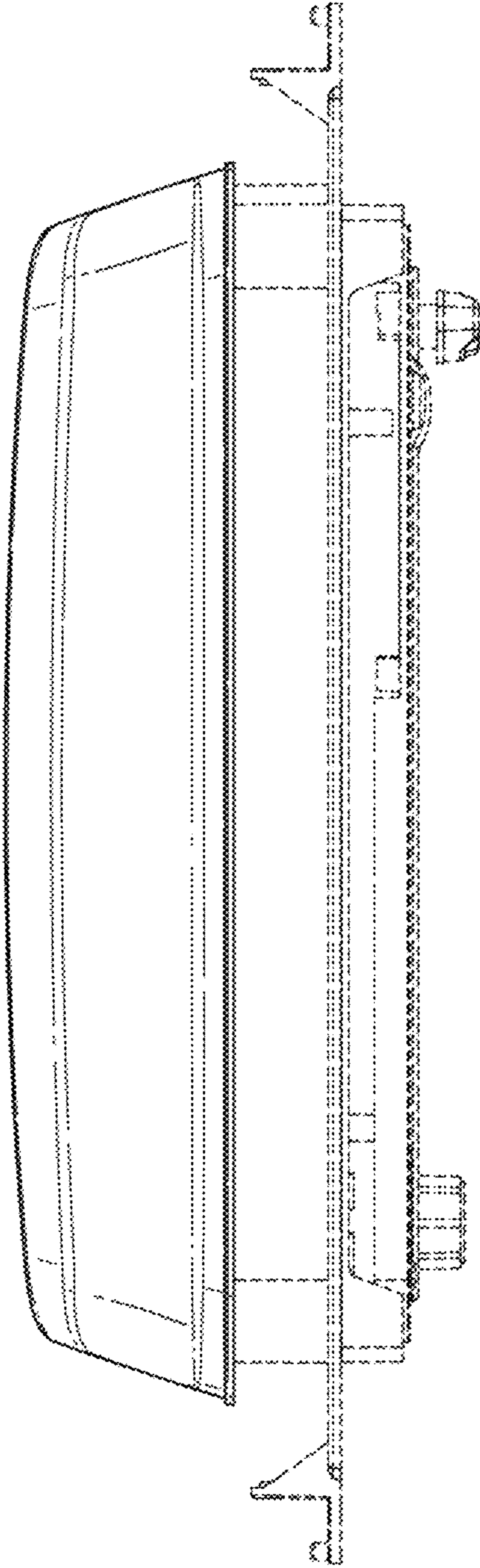


FIG. 10

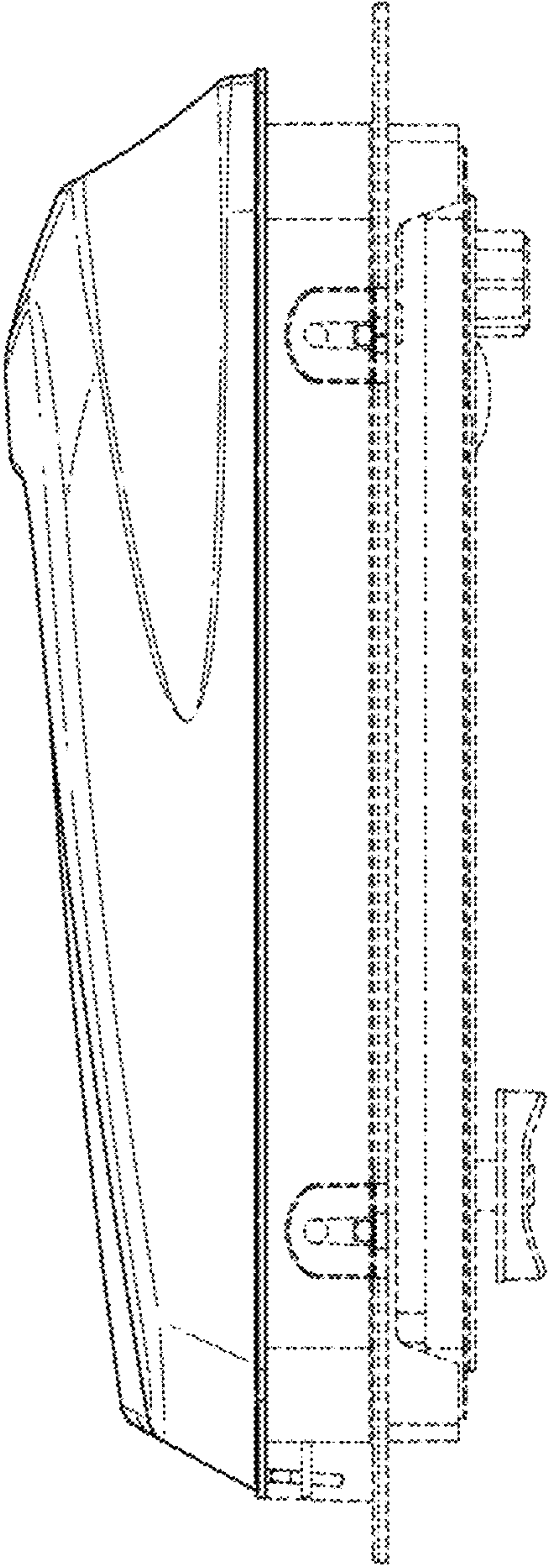


FIG. 11

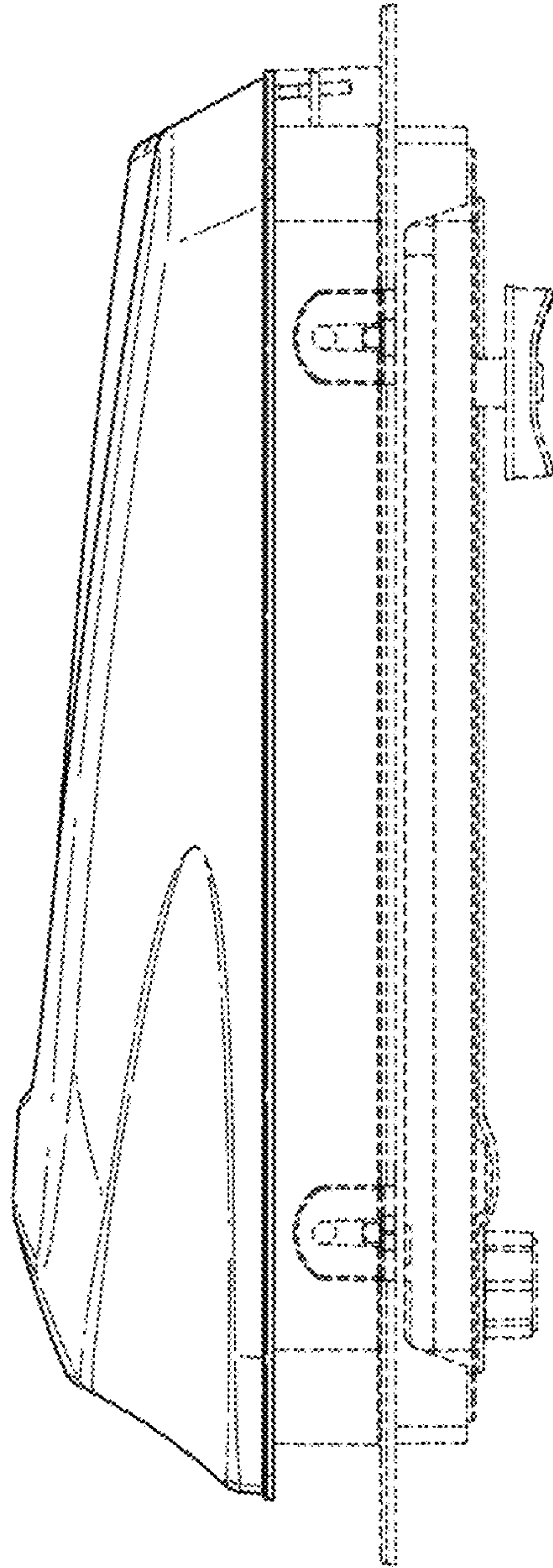


FIG. 12



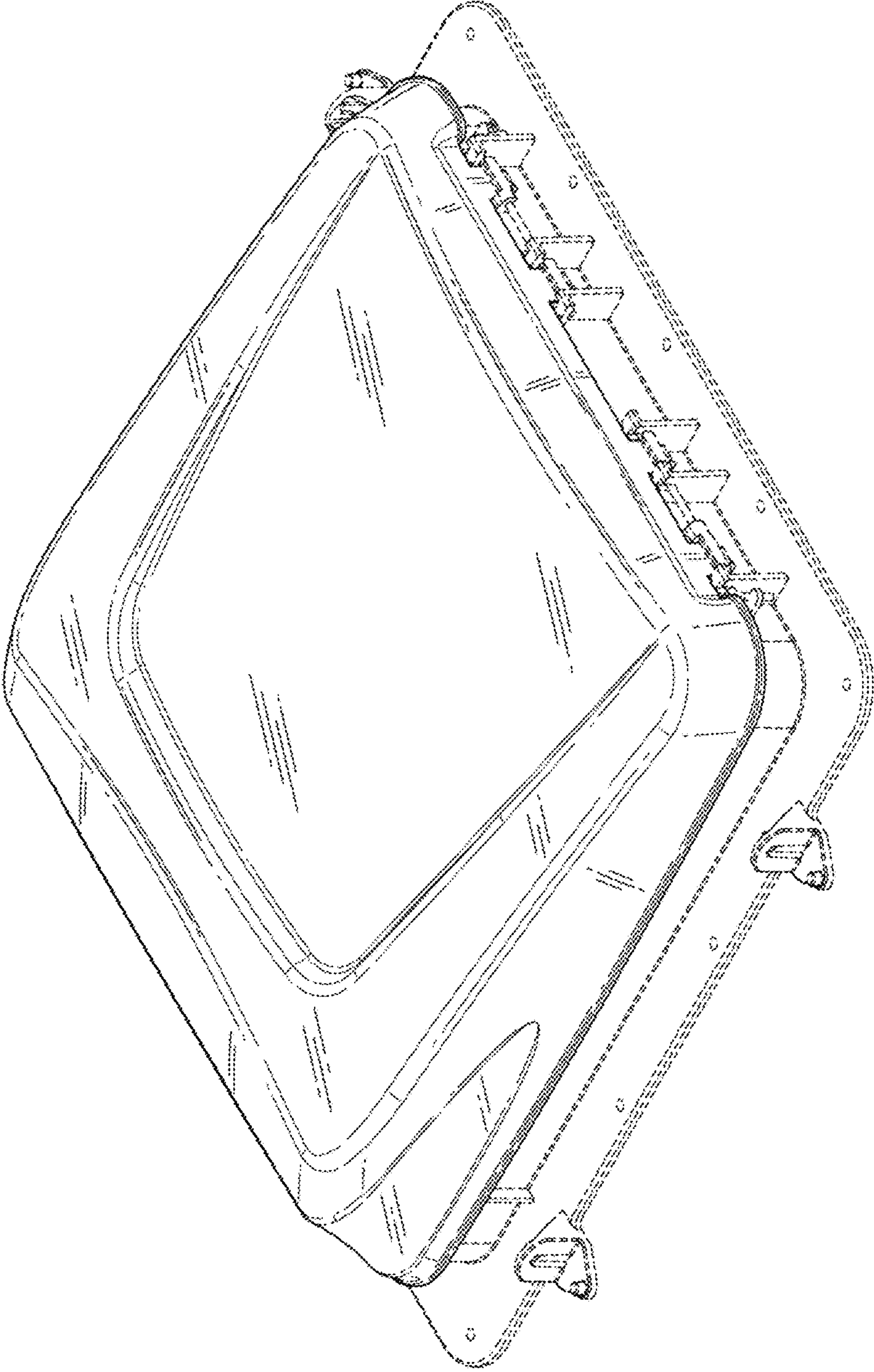


FIG. 13

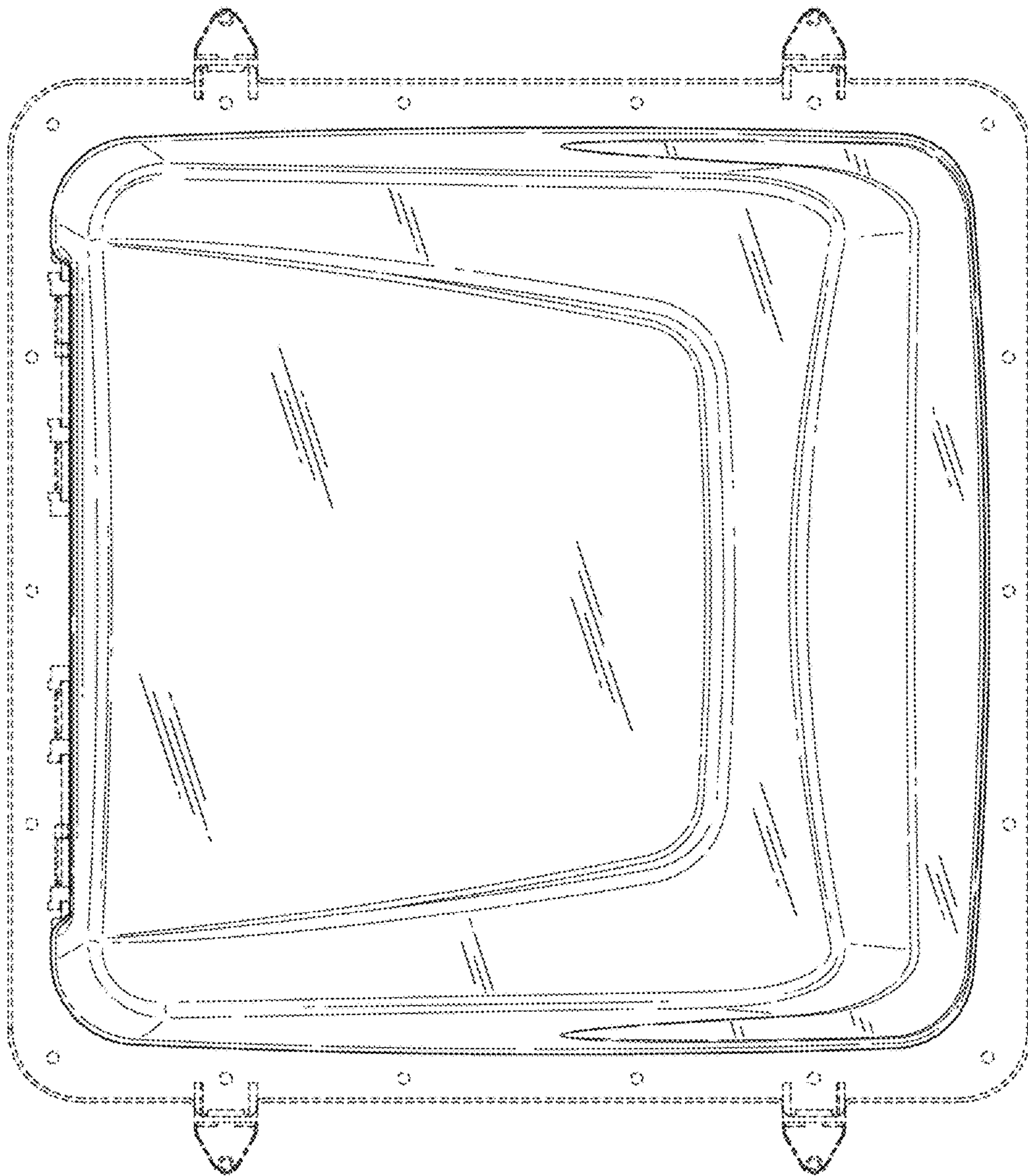


FIG. 14

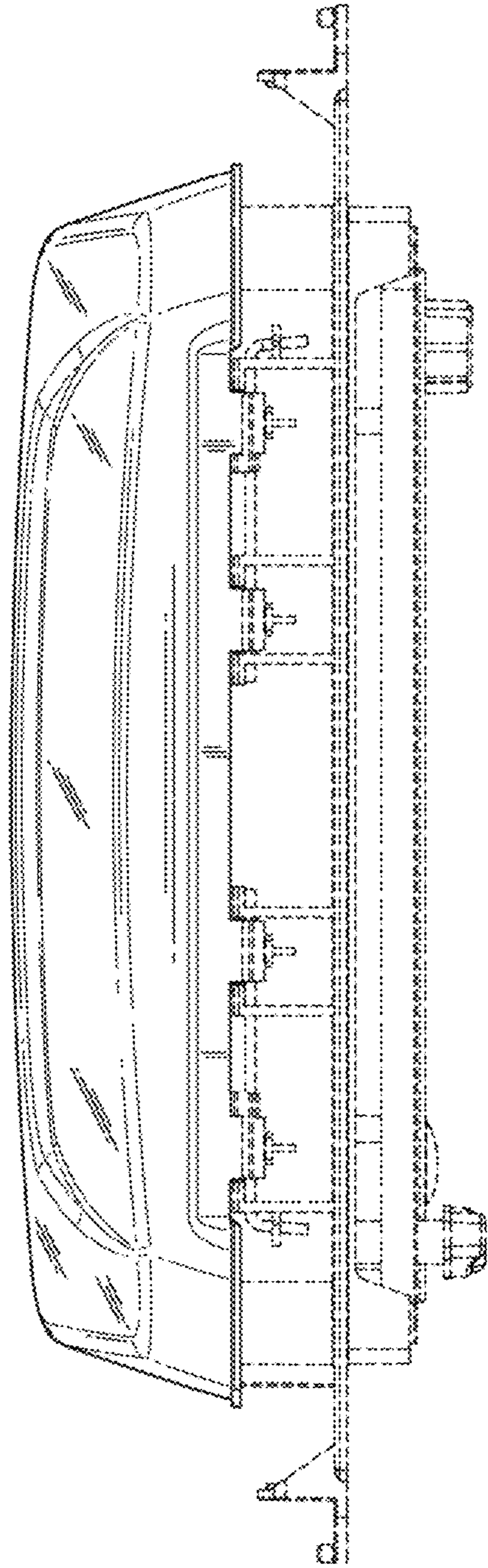


FIG. 15



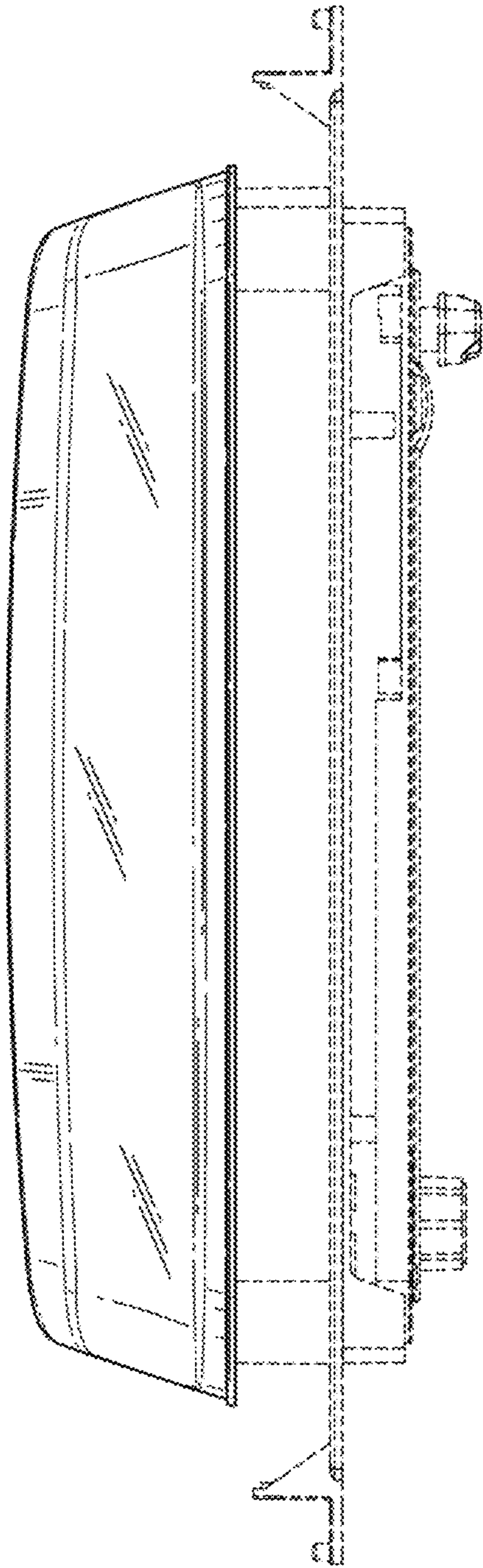


FIG. 16

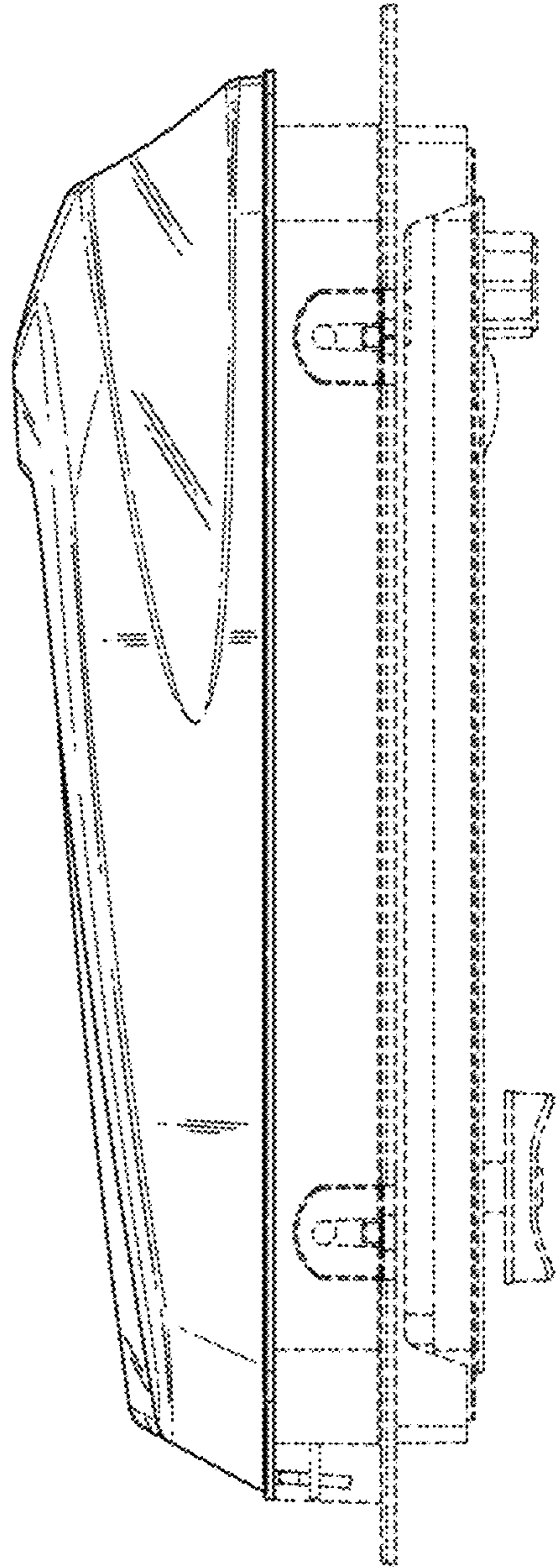


FIG. 17

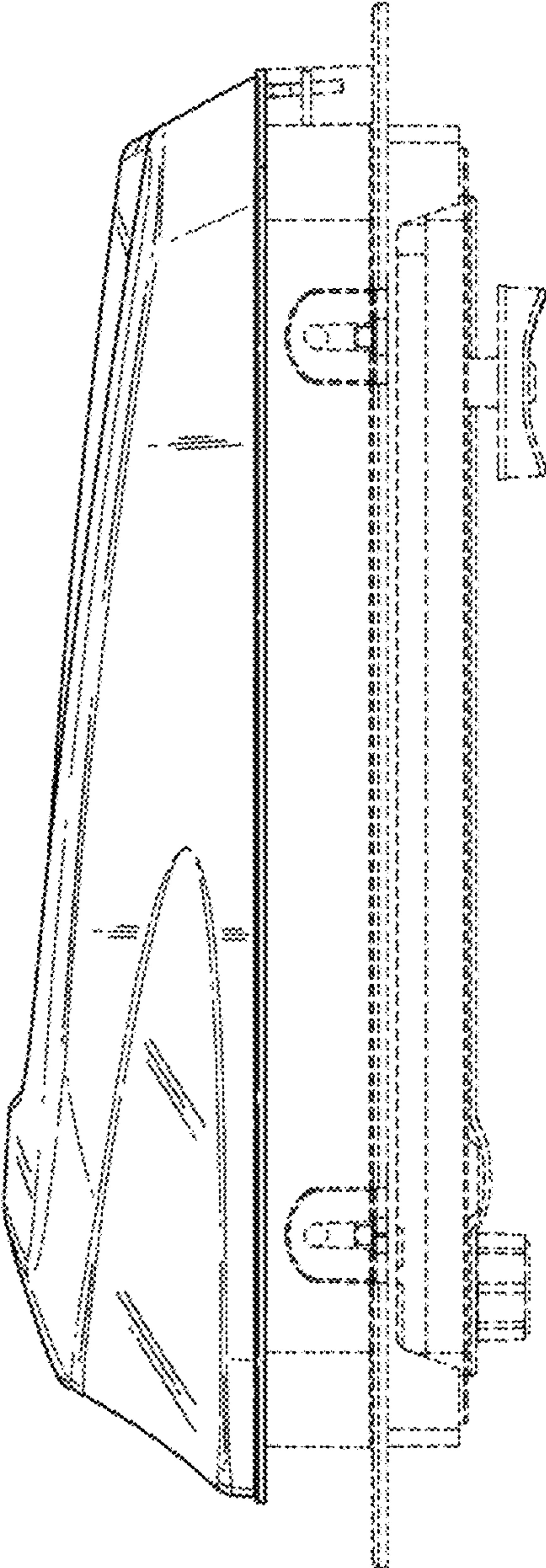


FIG. 18



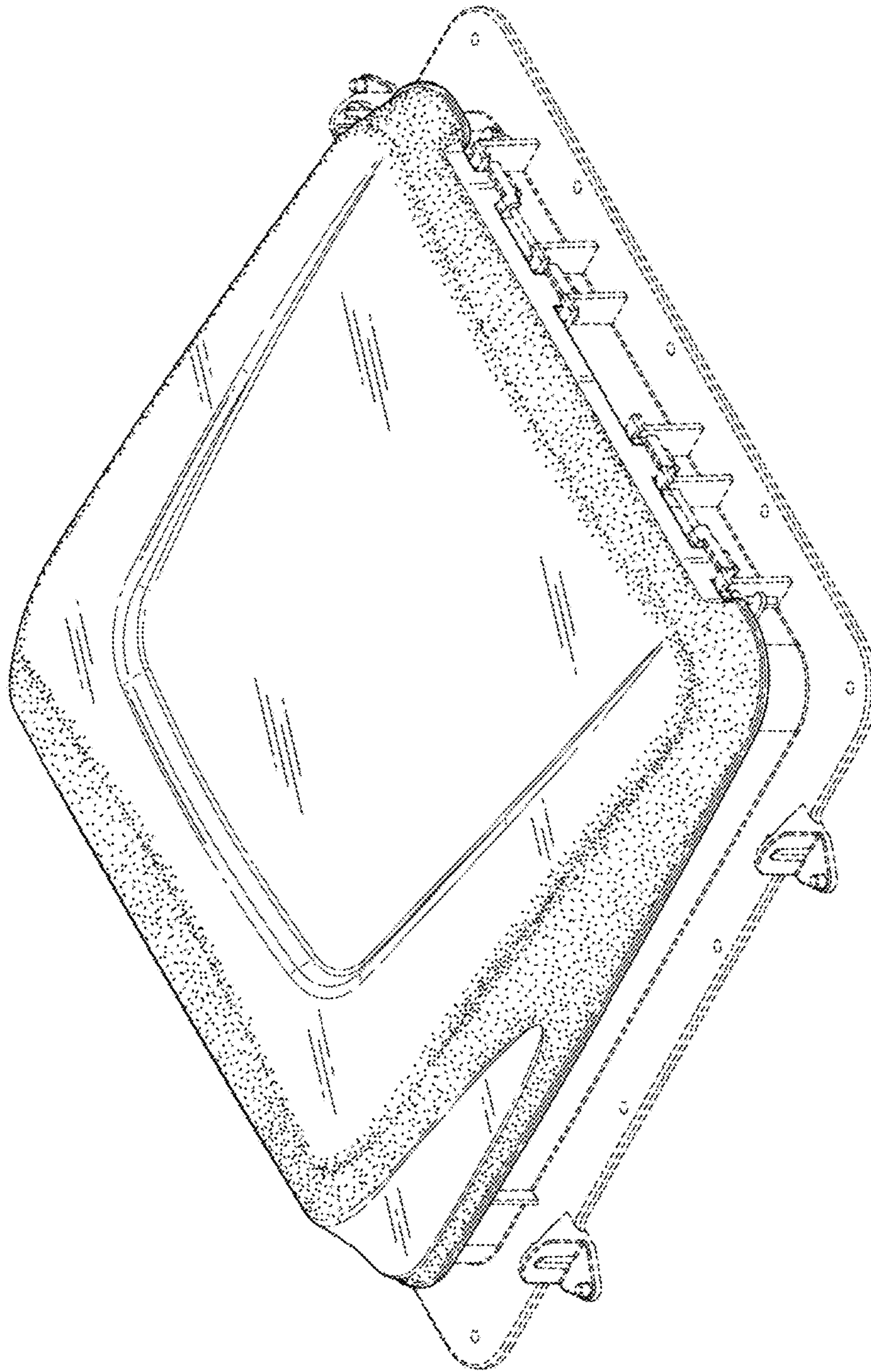


FIG. 19

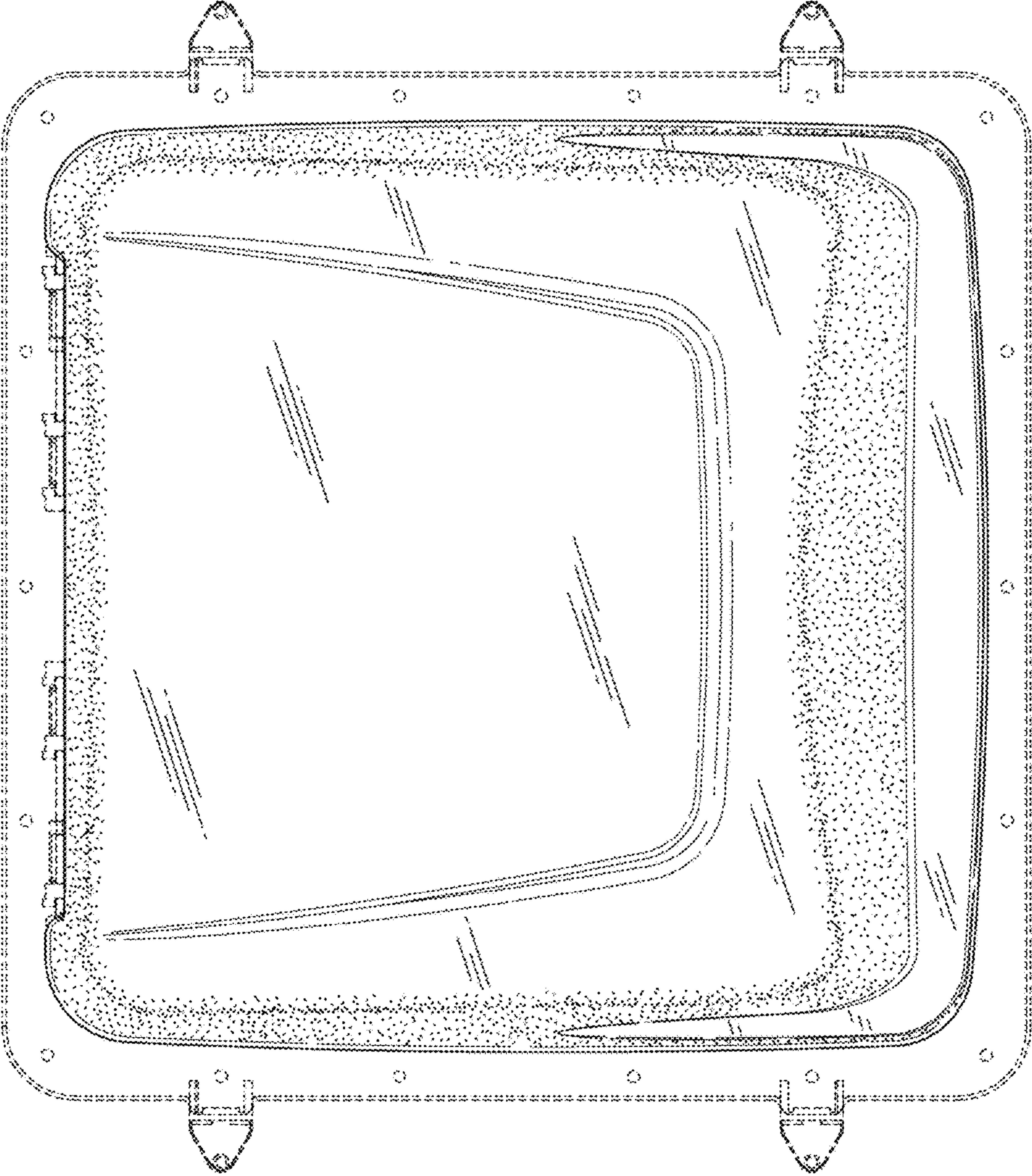


FIG. 20

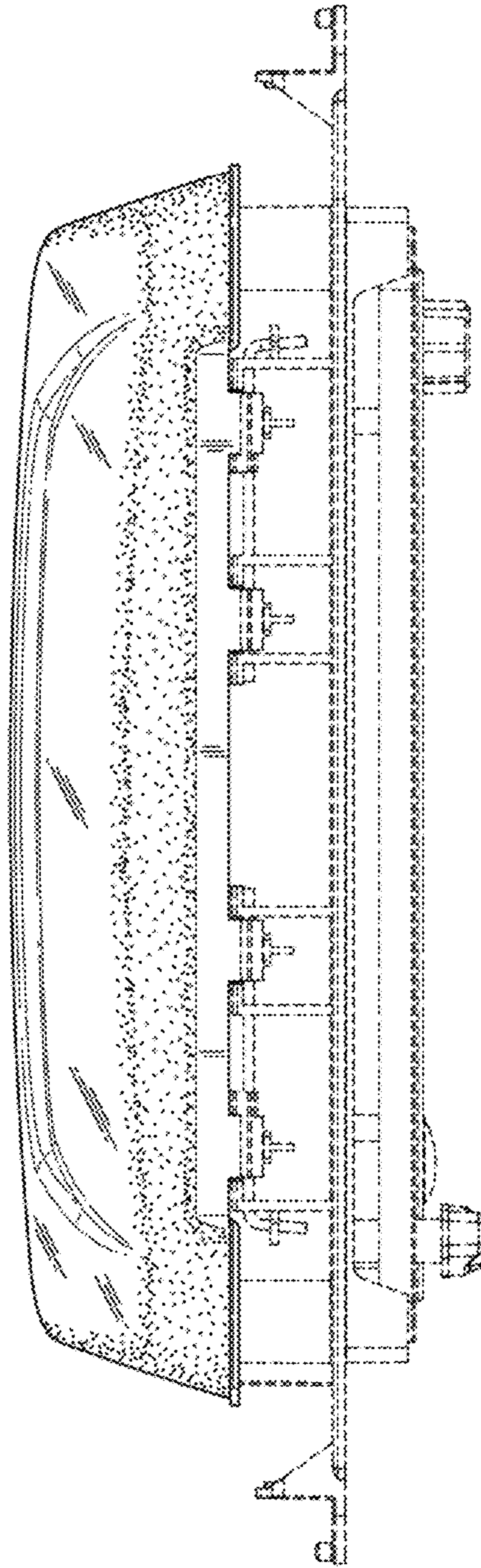


FIG. 21



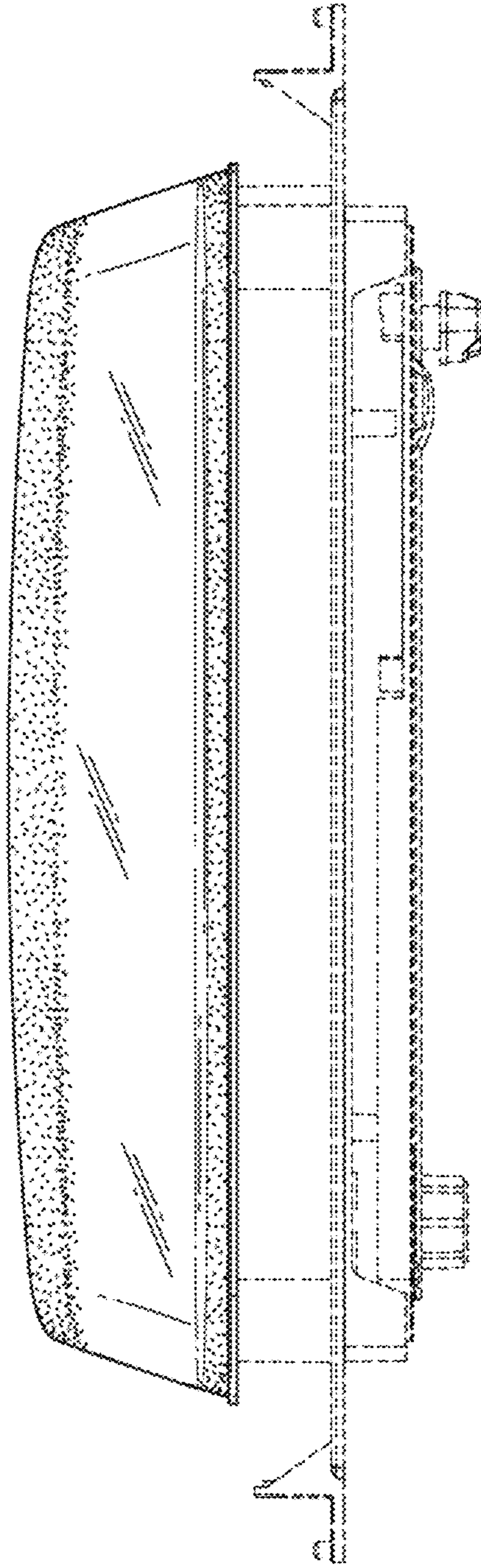


FIG. 22

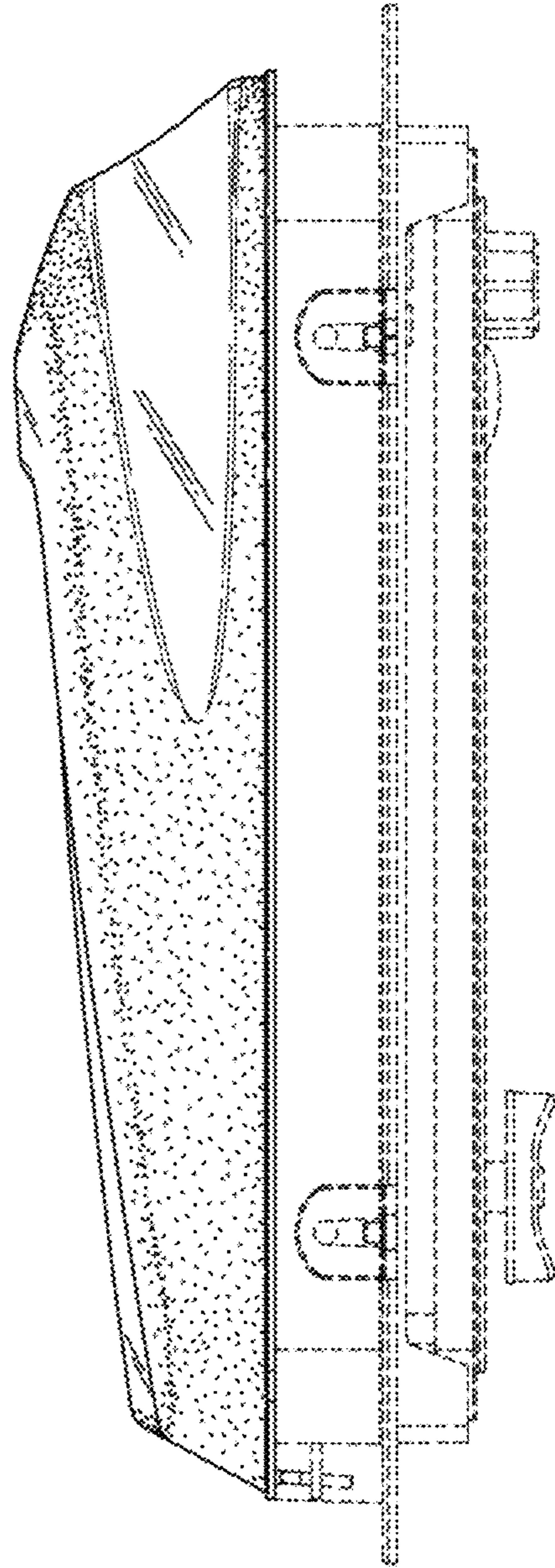


FIG. 23

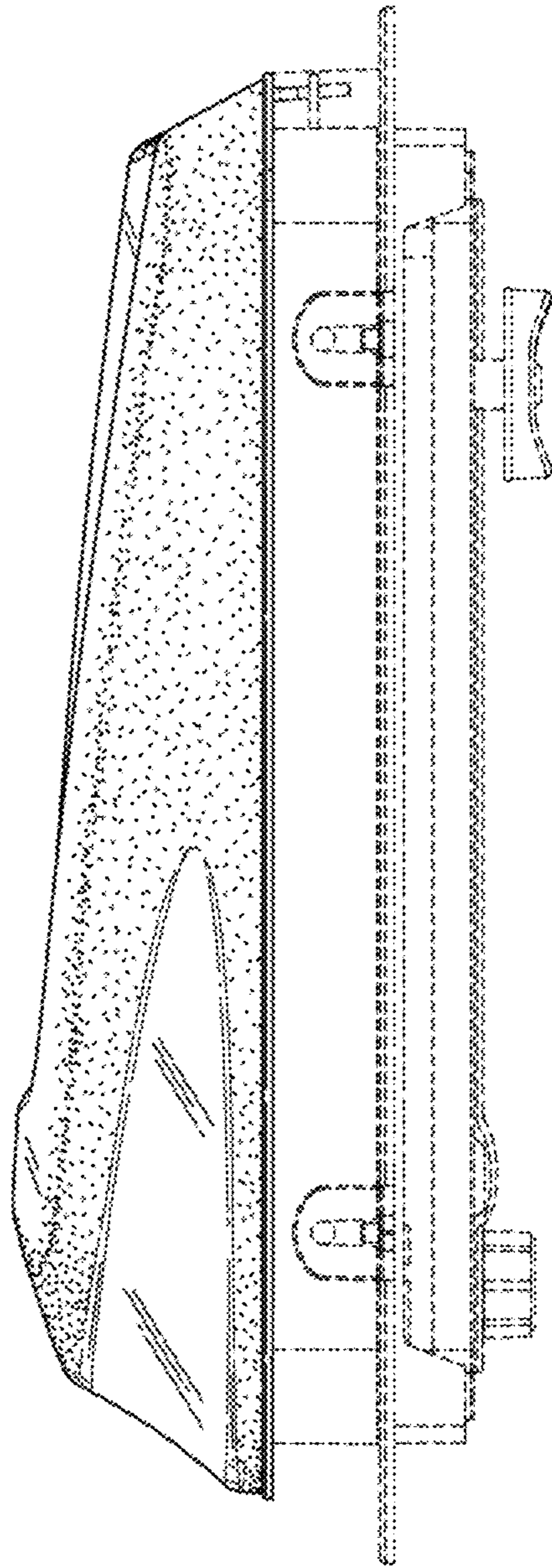


FIG. 24