



US00D584807S

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

(10) **Patent No.:** **US D584,807 S**
(45) **Date of Patent:** **** Jan. 13, 2009**

(54) **FILTER ASSEMBLY**

DESCRIPTION

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(73) Assignee: **Camfil AB**, Trosa (SE)

(**) Term: **14 Years**

(21) Appl. No.: **29/254,871**

(22) Filed: **Mar. 1, 2006**

(51) **LOC (9) Cl.** **28-99**

(52) **U.S. Cl.** **D23/365**

(58) **Field of Classification Search** D23/365,
D23/363, 358, 386, 354, 341, 364, 209; 55/385.3,
55/502, 497, 498, 506, 505, 521, 495, 422,
55/493, DIG. 30; 138/39

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,490,211 A 1/1970 Cartier

(Continued)

OTHER PUBLICATIONS

RIGA-FLO® Brochure, at least as early as 2005, Product Sheet 1303-0406.

* cited by examiner

Primary Examiner—Louis S Zarfaz

Assistant Examiner—David G Muller

(74) *Attorney, Agent, or Firm*—Keith Taboada; Patterson & Sheridan, LLP

(57) **CLAIM**

The ornamental design for a filter assembly, as shown in FIGS. 1–18.

This application is related to U.S. patent application Ser. No. 11/365,571, filed Mar. 1, 2006, entitled “Box-V Filter and Method of Fabricating the Same” by Karlsson, et al; U.S. patent application Ser. No. 11/365,326, filed Mar. 1, 2006, entitled “Reduced Adhesive Filter Assembly” by Devine, et al. and U.S. patent application Ser. No. 11/365,341, filed Mar. 1, 2006, entitled “Method of Making a Filter Assembly” by Sundvik, et al., all of which are herein incorporated by reference in their entireties.

FIG. 1 presents a front perspective view of the filter assembly;

FIG. 2 is a back perspective view thereof;

FIG. 3 is another back perspective view thereof;

FIG. 4 is a side elevation view thereof;

FIG. 5 is a front elevation view thereof;

FIG. 6 is a side elevation view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a back elevation view thereof;

FIG. 9 is a bottom plan view thereof;

FIG. 10 is a front perspective view of a second embodiment of a filter assembly, the only difference being the filter assembly of FIGS. 10–18 having 2–112 V-filter banks and associated separators;

FIG. 11 is a back perspective view thereof;

FIG. 12 is another back perspective view thereof;

FIG. 13 is a side elevation view thereof;

FIG. 14 is a front elevation view thereof;

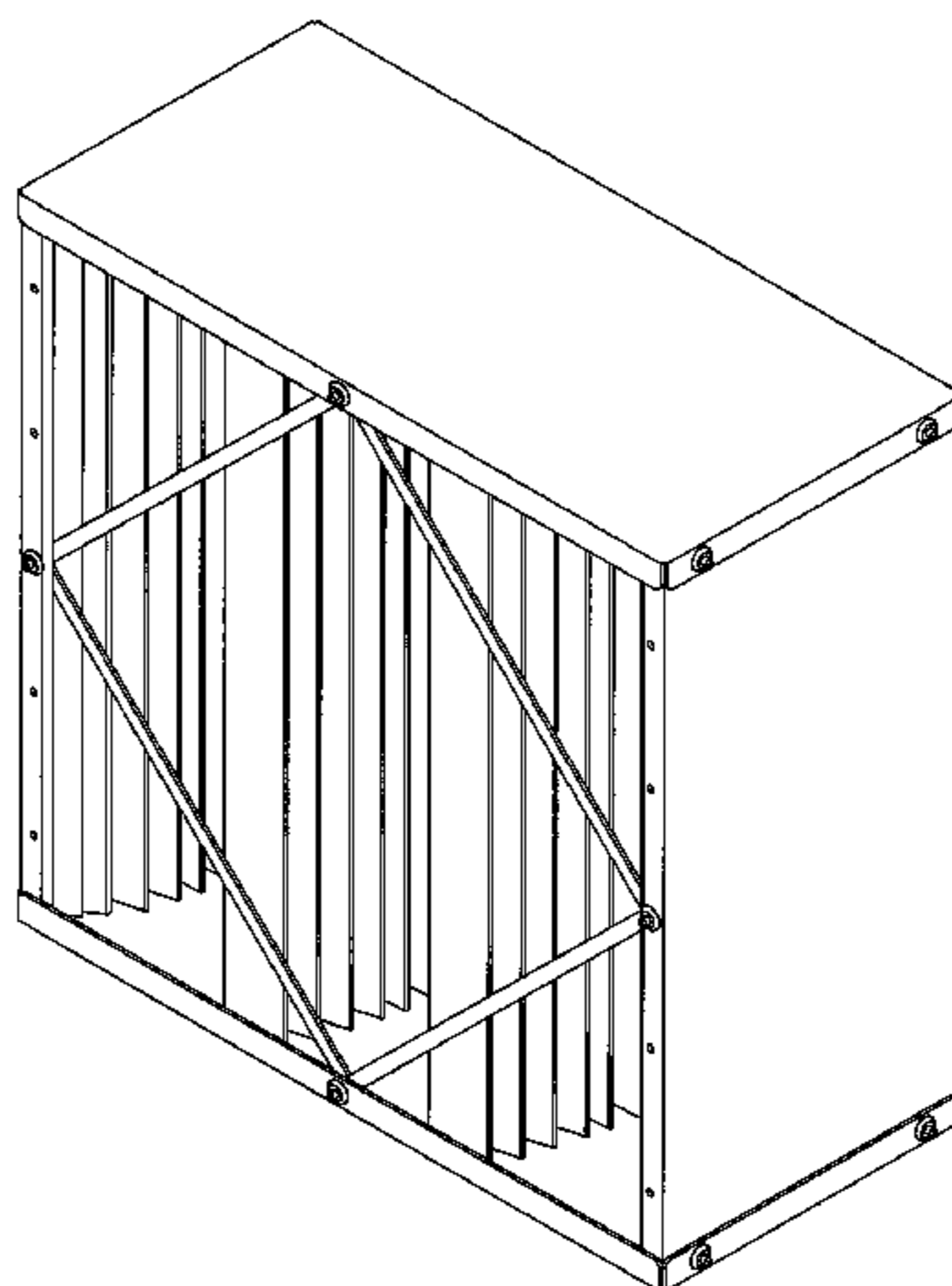
FIG. 15 is a side elevation view thereof;

FIG. 16 is a top plan view thereof;

FIG. 17 is a back elevation view thereof; and,

FIG. 18 is a bottom plan view thereof.

1 Claim, 10 Drawing Sheets



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U.S. PATENT DOCUMENTS					
4,610,706	A	9/1986 Neshher	D469,863	S *	2/2003 Kice D23/386
5,098,767	A	3/1992 Linnersten	6,602,328	B2	8/2003 Doi et al.
D342,128	S *	12/1993 Stover D23/386	7,048,501	B2 *	5/2006 Katayama et al. 55/521
5,603,747	A *	2/1997 Matuda et al. 55/497	7,156,898	B2 *	1/2007 Jaisinghani 55/497
5,672,188	A *	9/1997 Choi 55/497	7,258,196	B2 *	8/2007 Radatus et al. 138/39
6,074,450	A	6/2000 Raber	2003/0029146	A1 *	2/2003 Quigley 55/497
6,214,076	B1 *	4/2001 Beier et al. 55/493	2003/0159415	A1 *	8/2003 Parker 55/506
6,447,566	B1	9/2002 Rivera et al.	2005/0144916	A1	7/2005 Adamek et al.
6,485,538	B1 *	11/2002 Toyoshima 55/497	2007/0289273	A1 *	12/2007 Boyd 55/497
			2008/0047240	A1 *	2/2008 Trautmann et al. 55/385.3

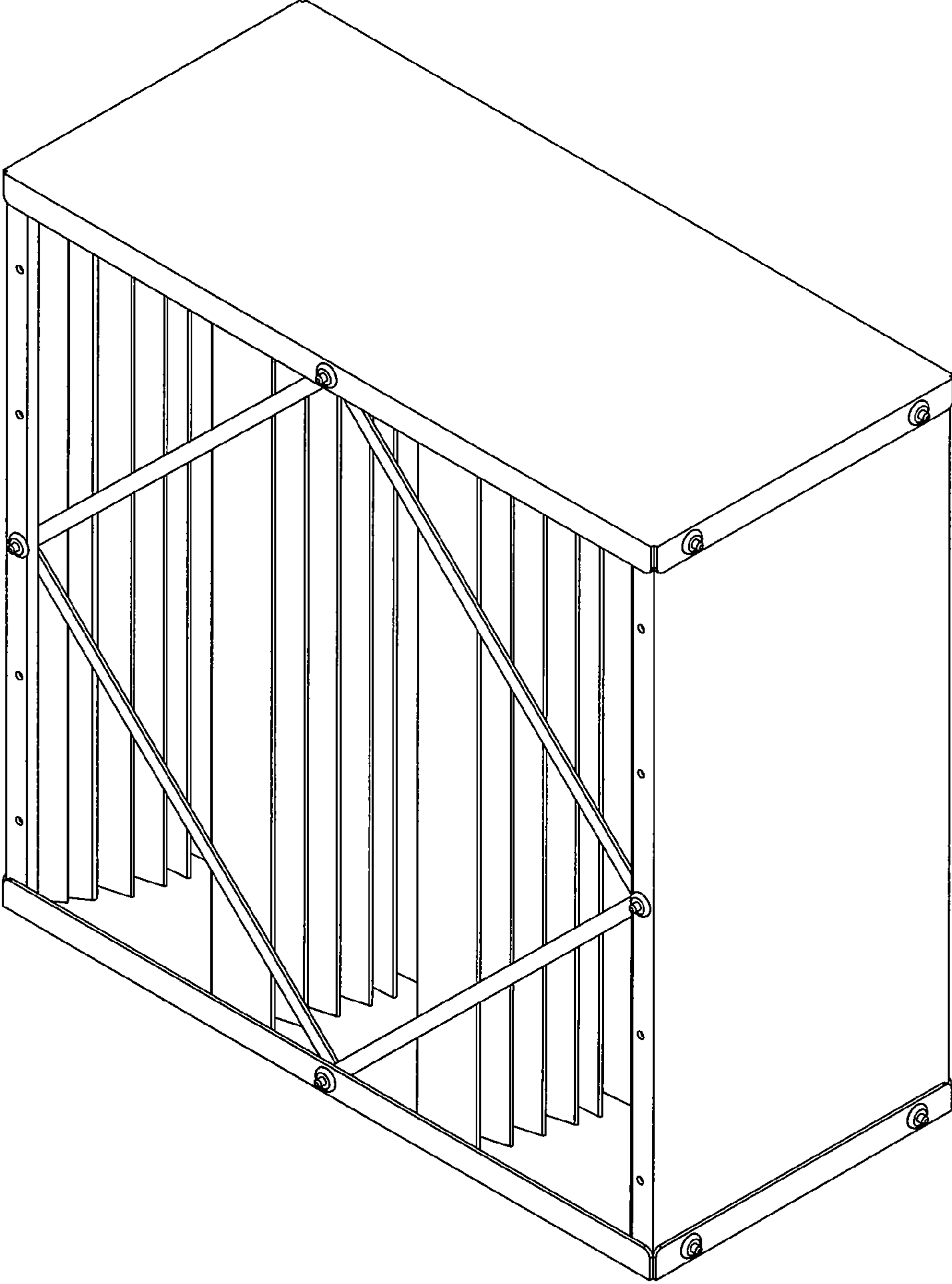


FIG. 1

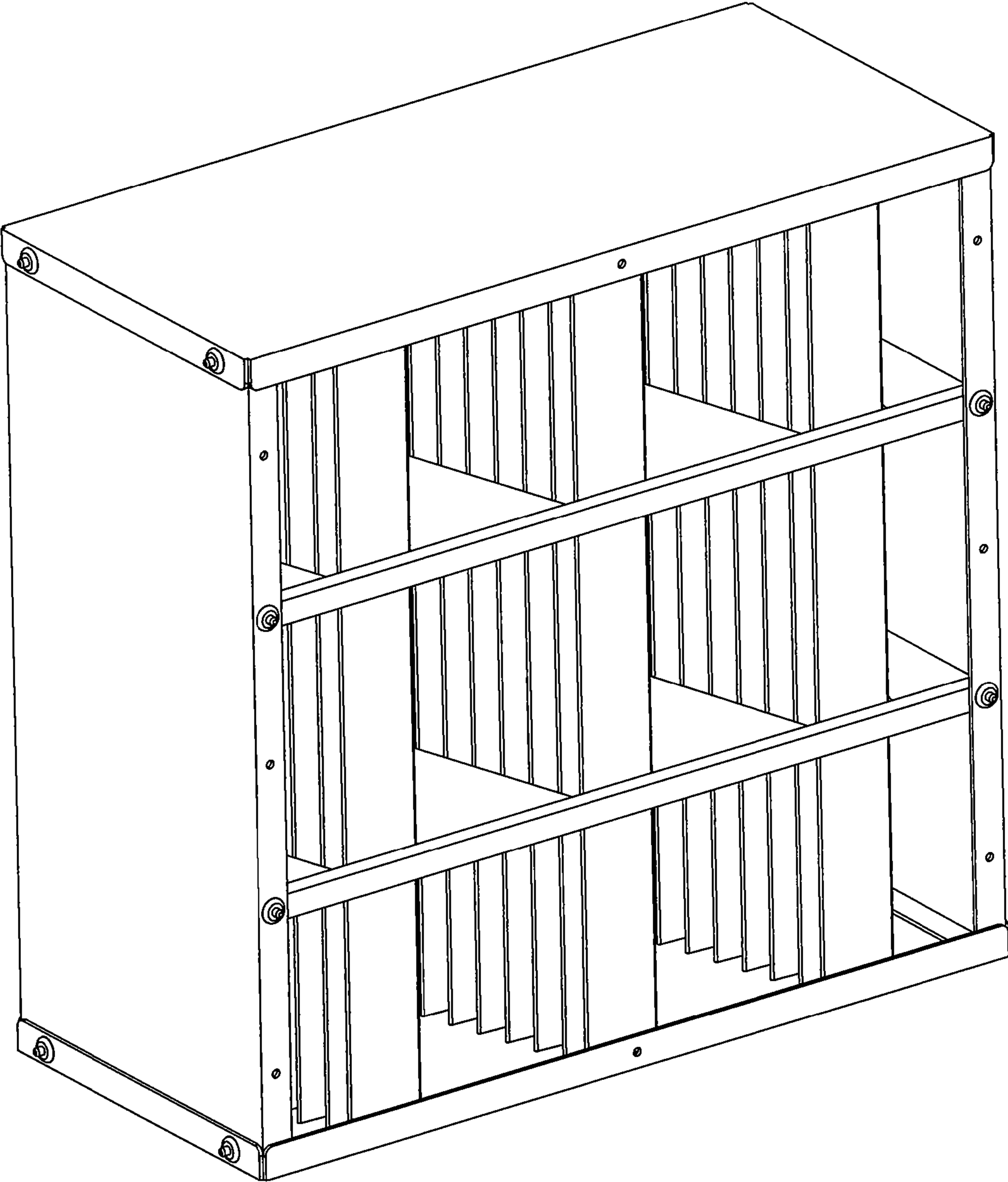


FIG. 2

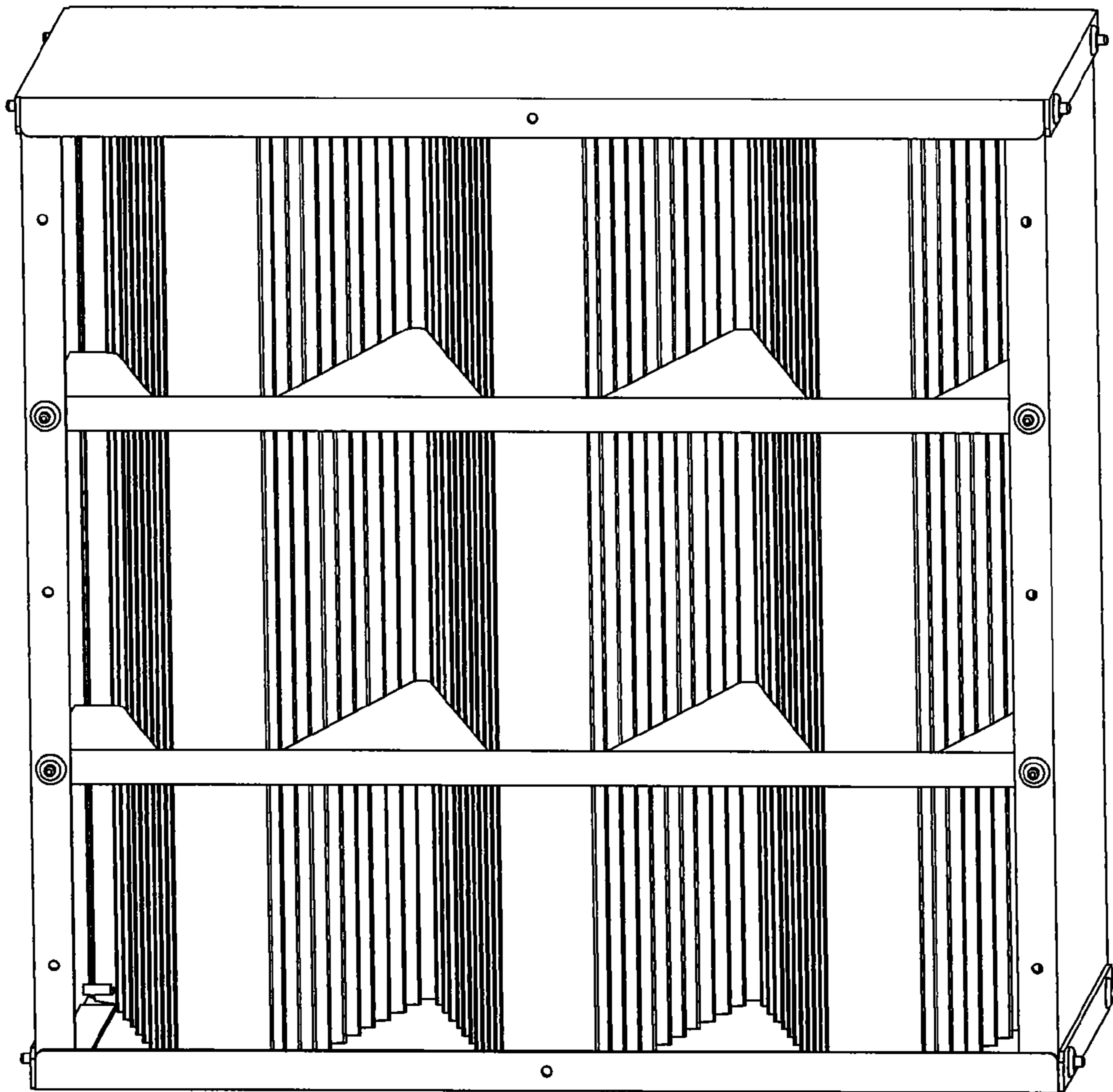


FIG. 3

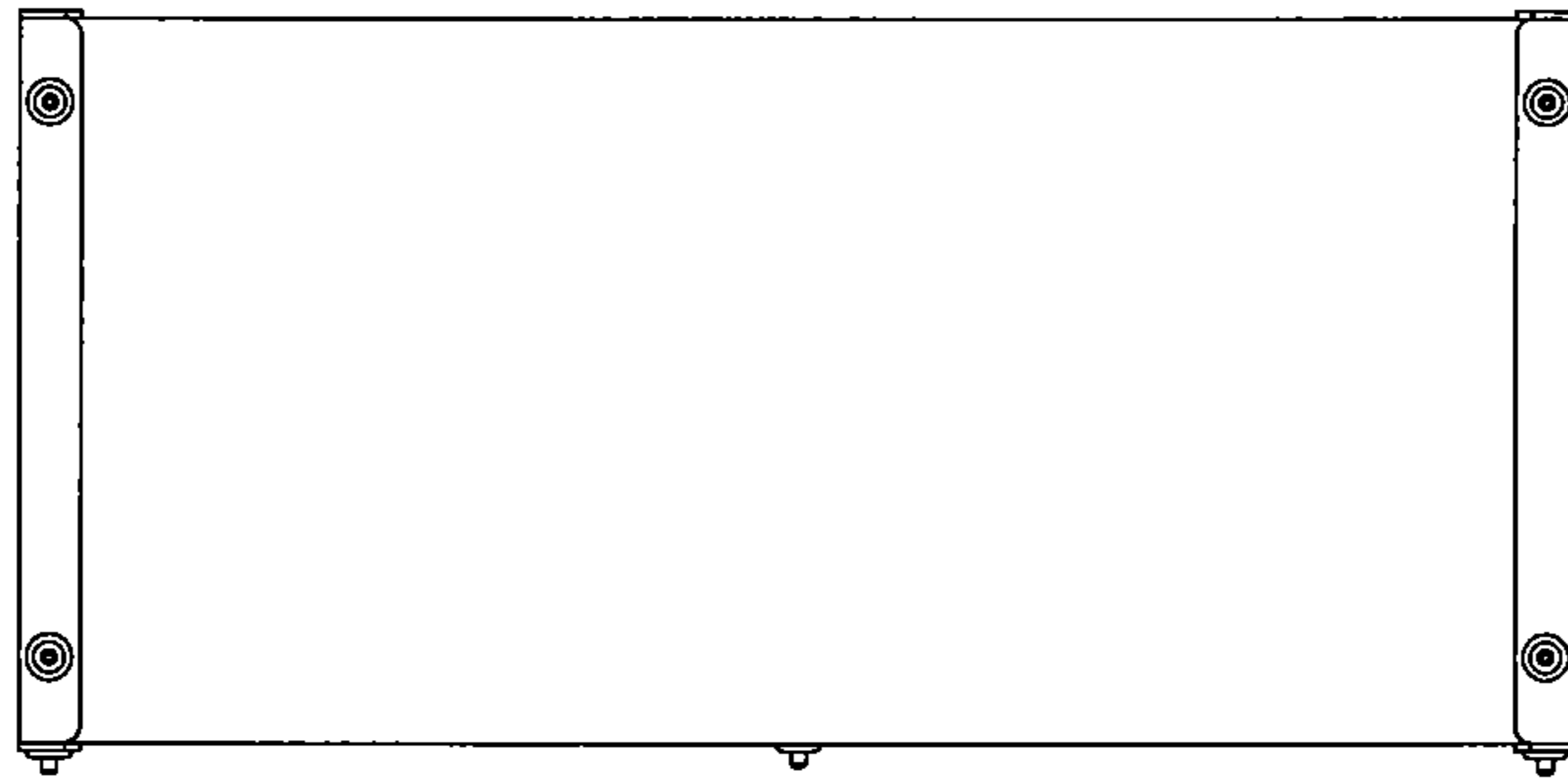


FIG. 6

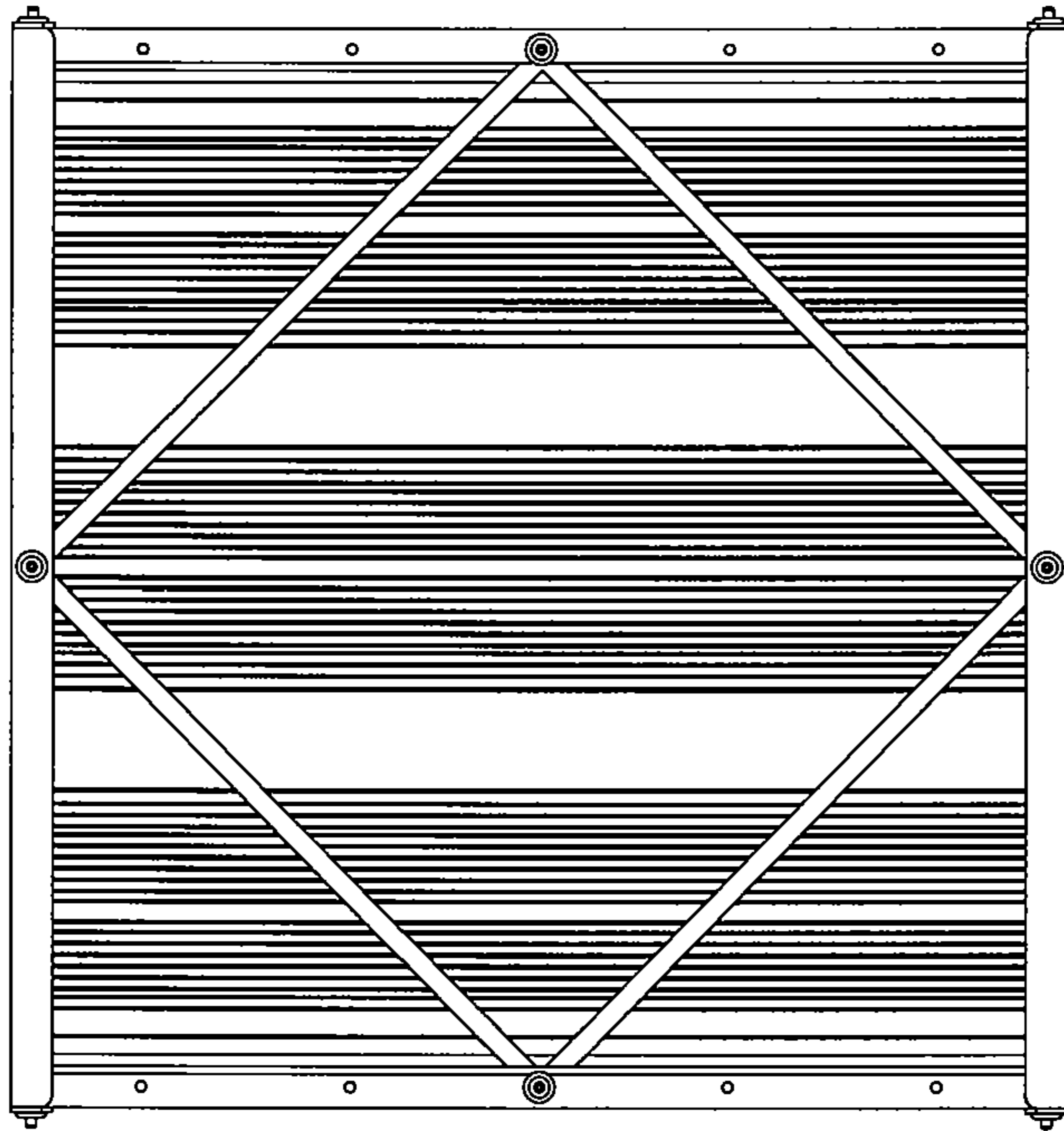


FIG. 5

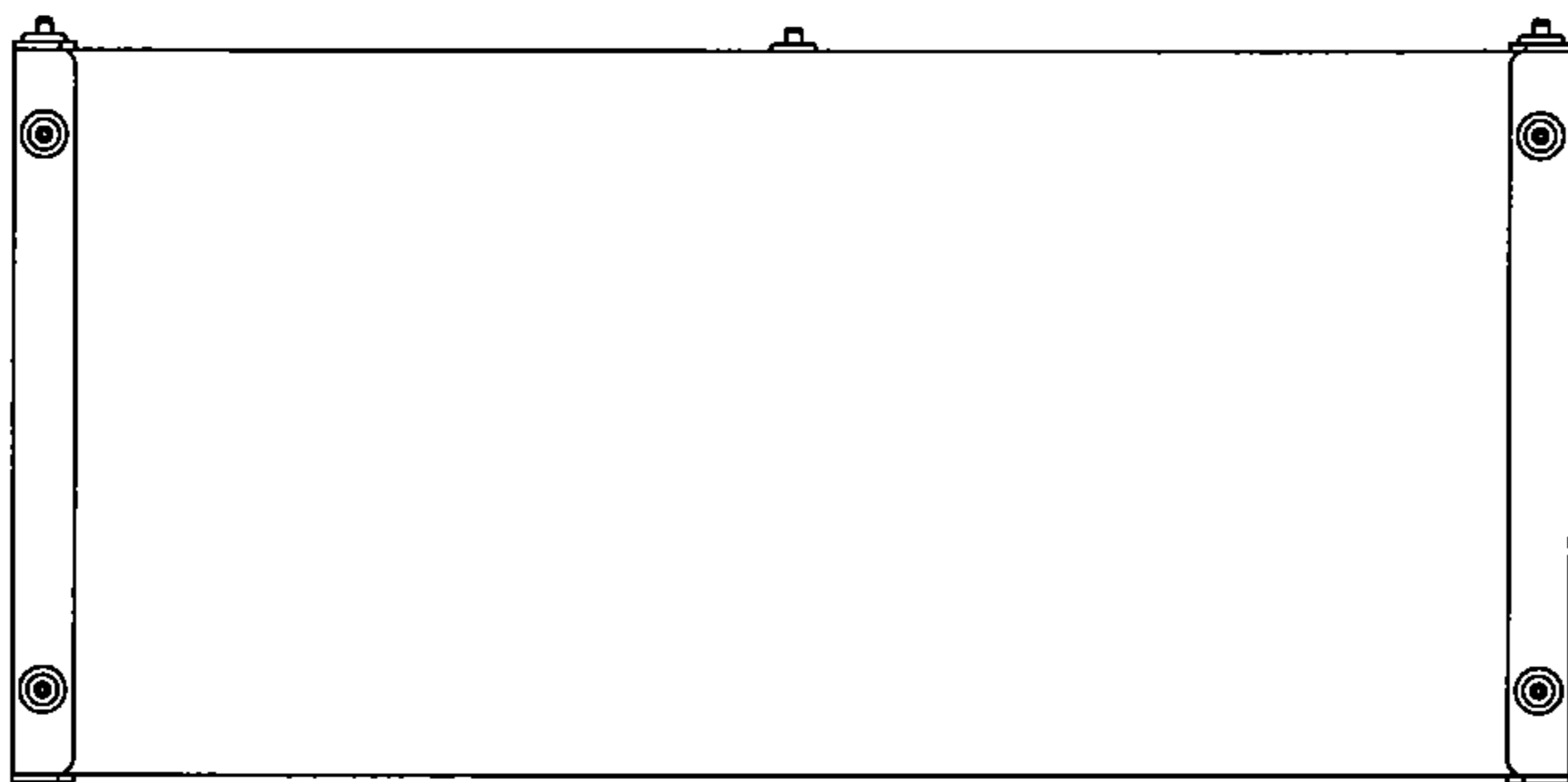


FIG. 4

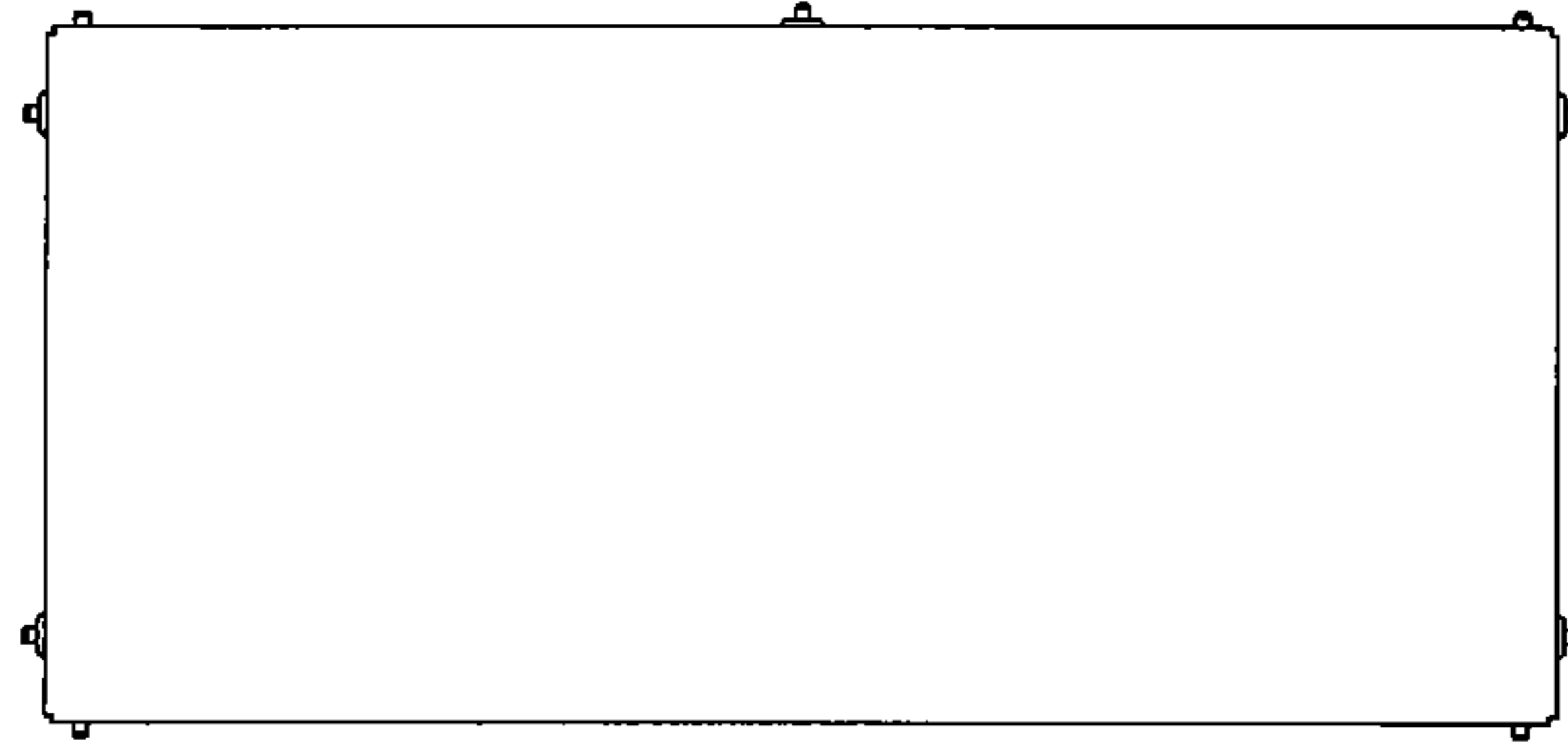


FIG. 7

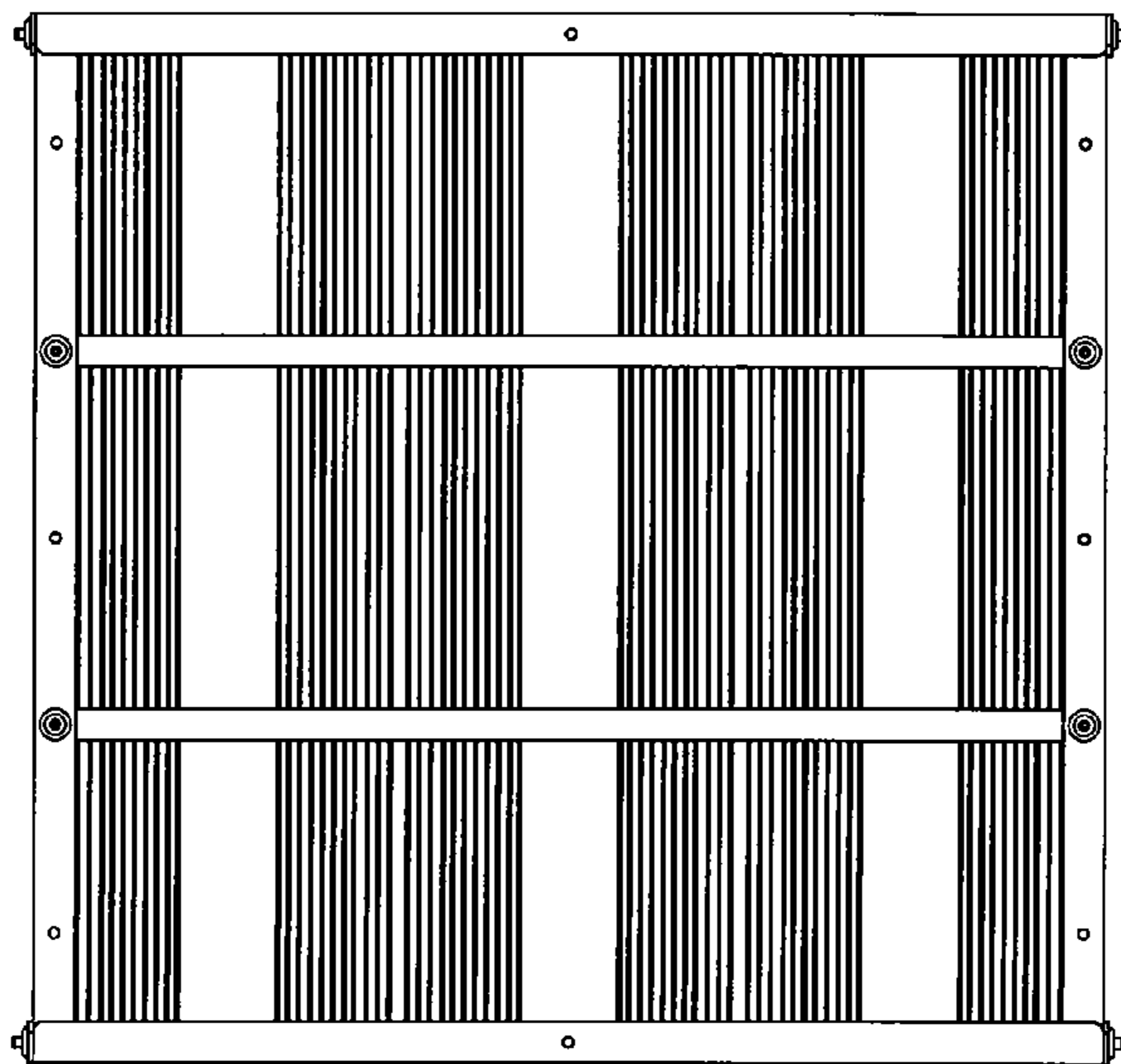


FIG. 8

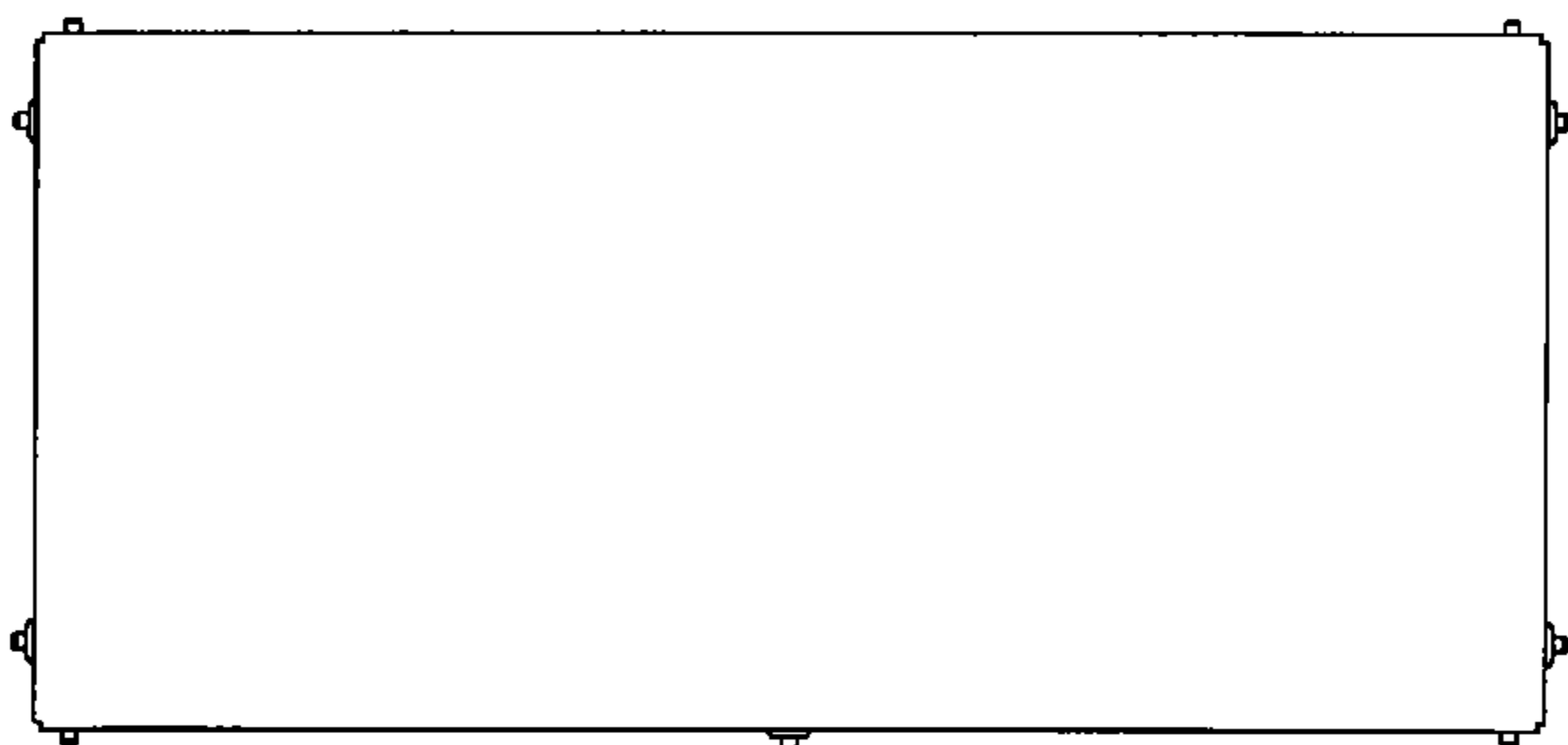


FIG. 9

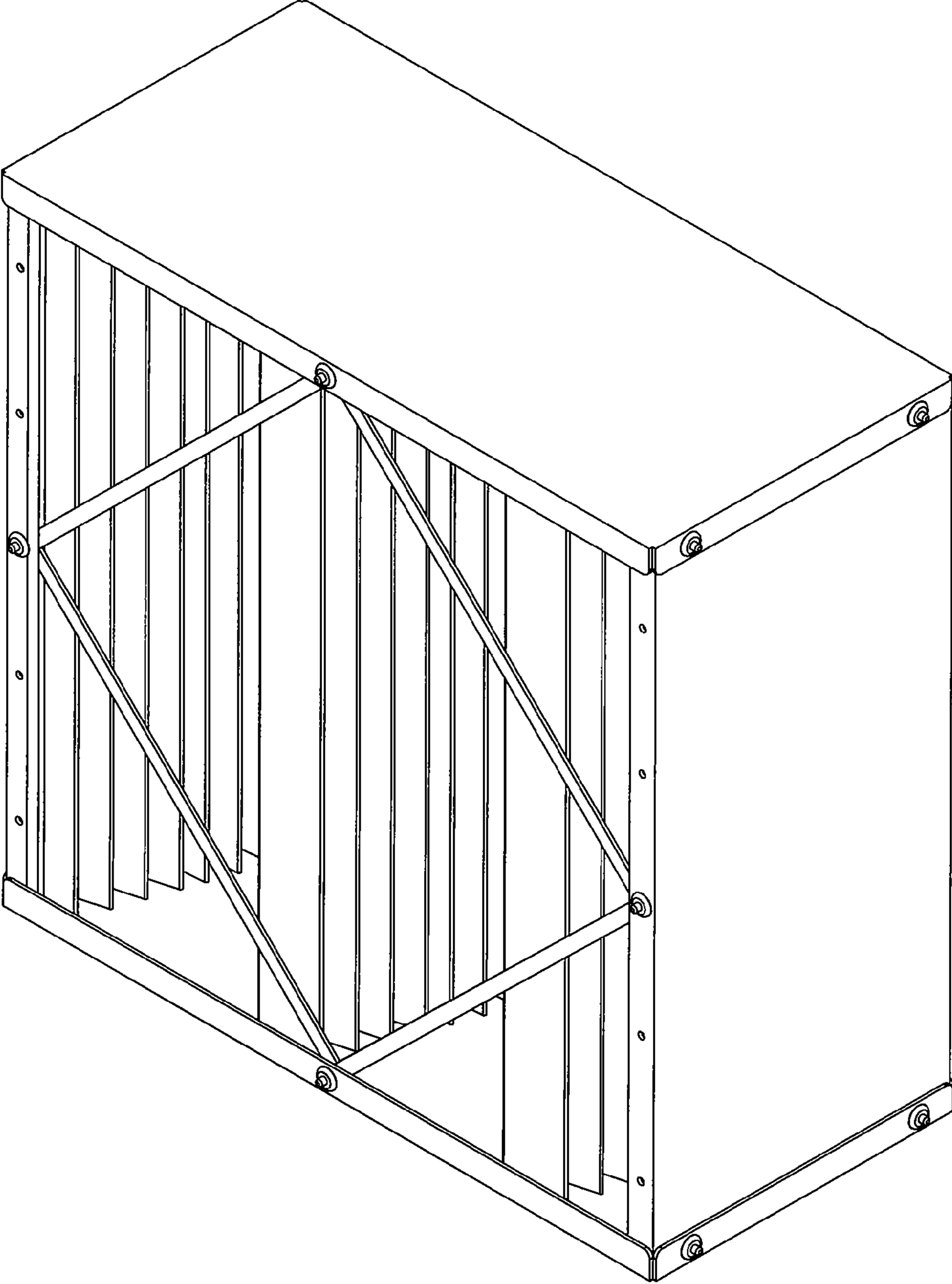


FIG. 10

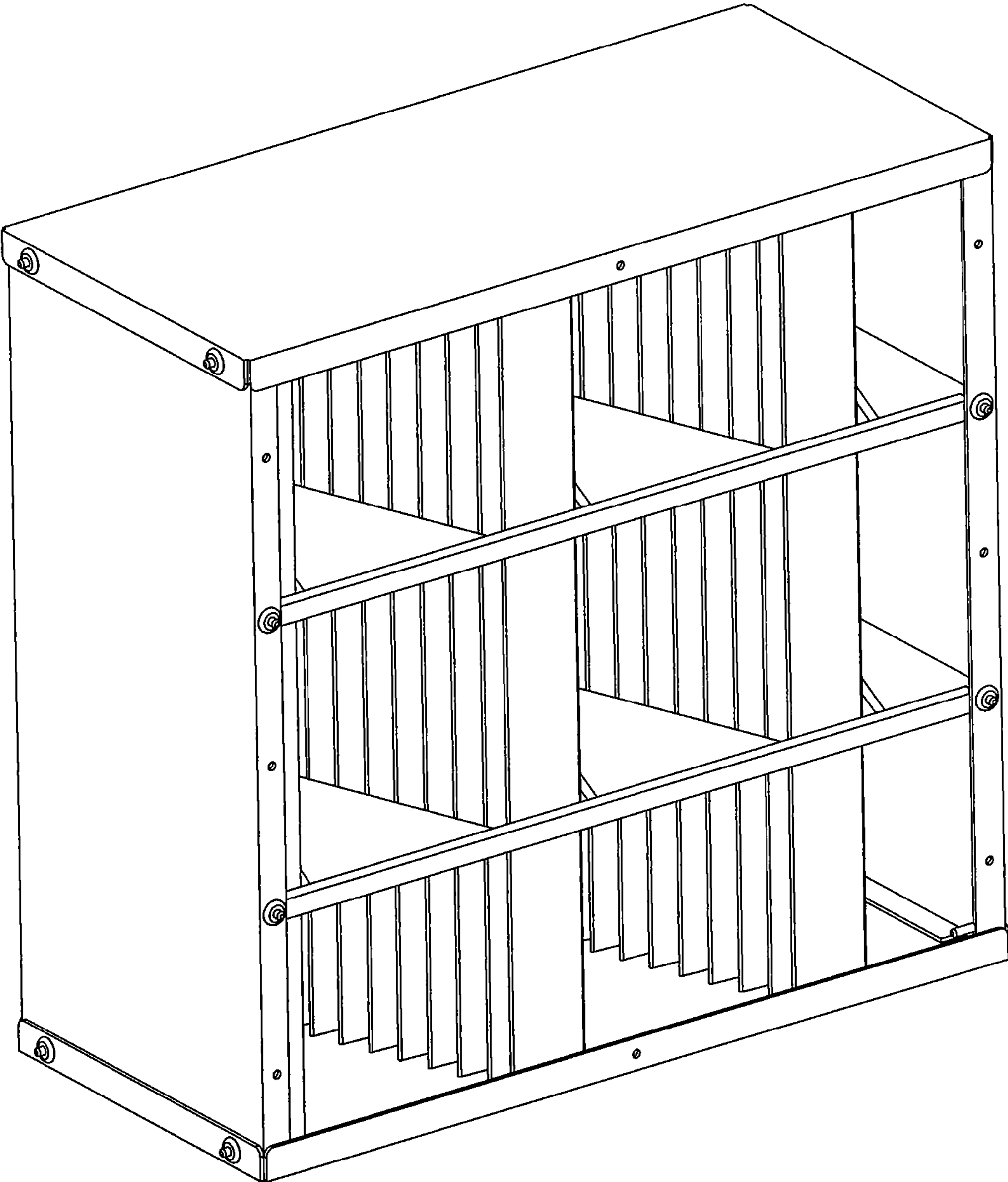


FIG. 11

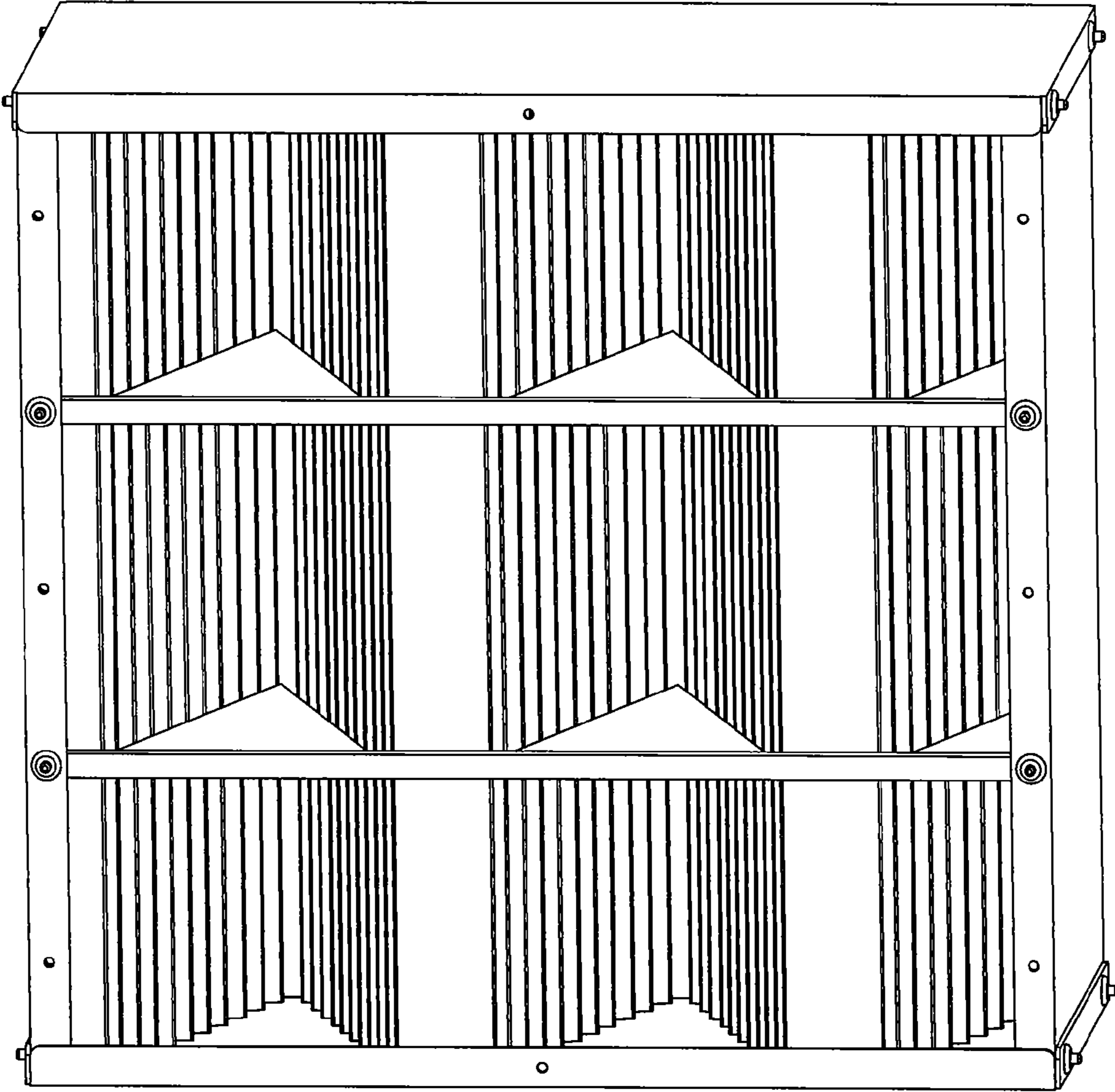


FIG. 12

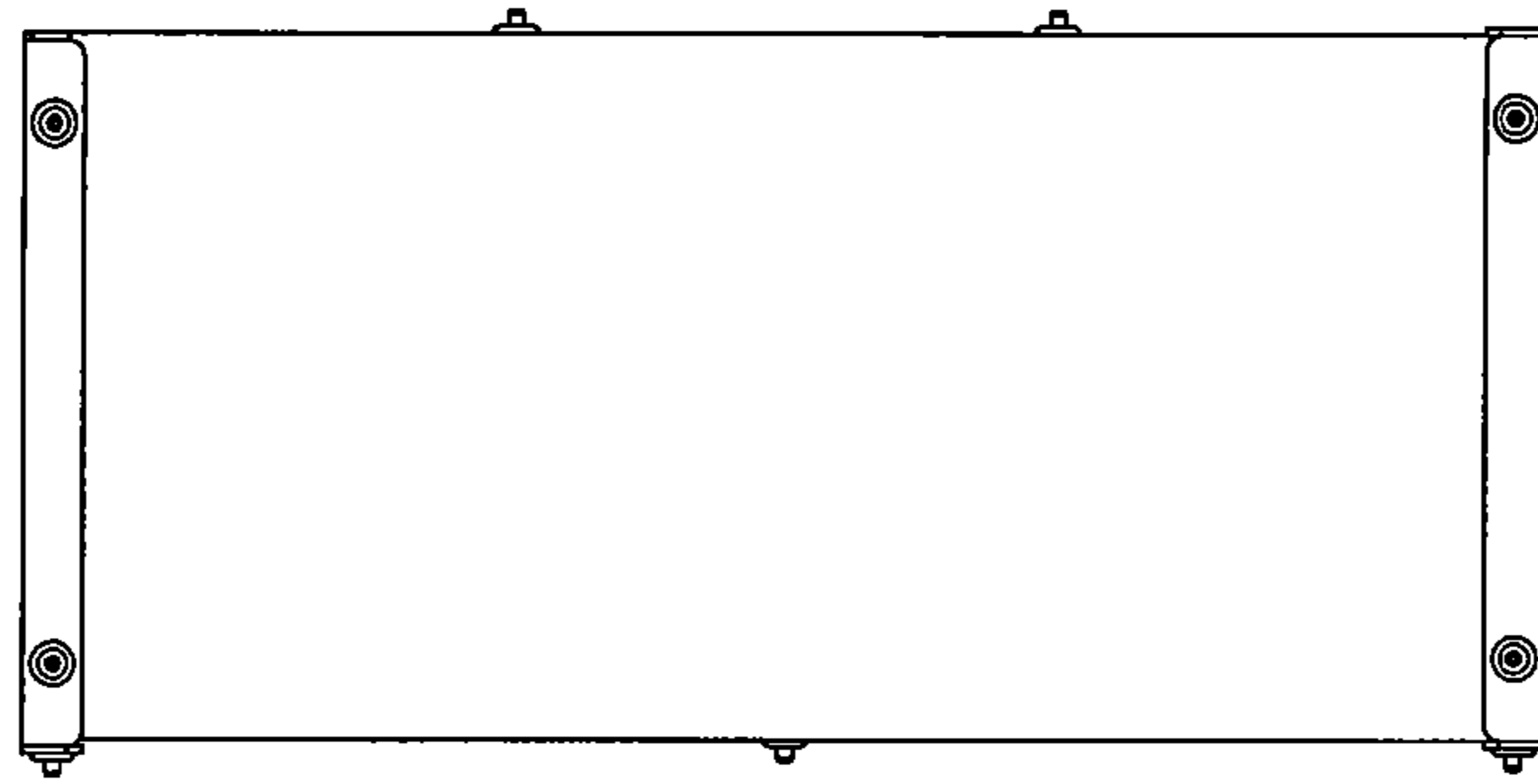


FIG. 13

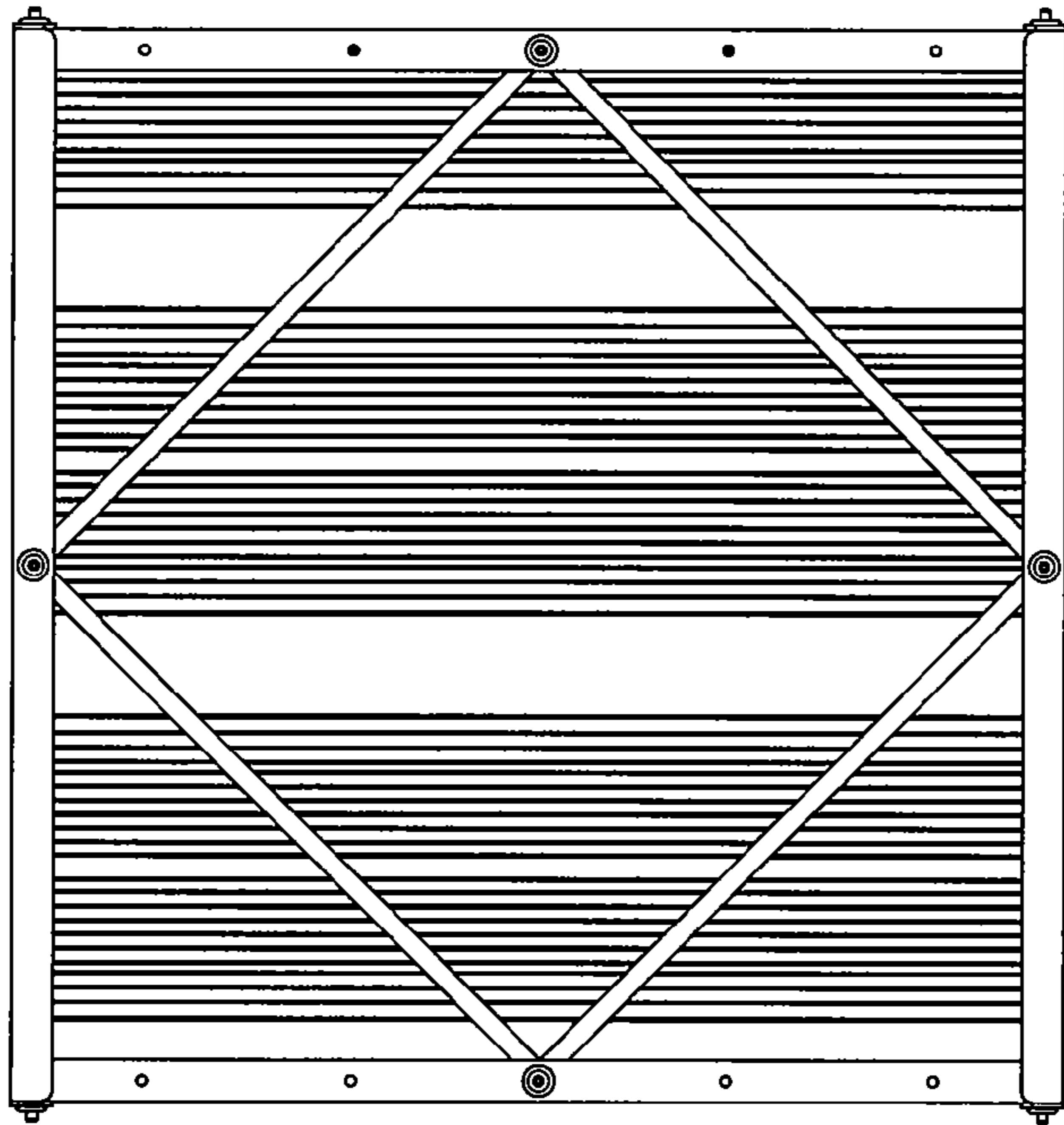


FIG. 14

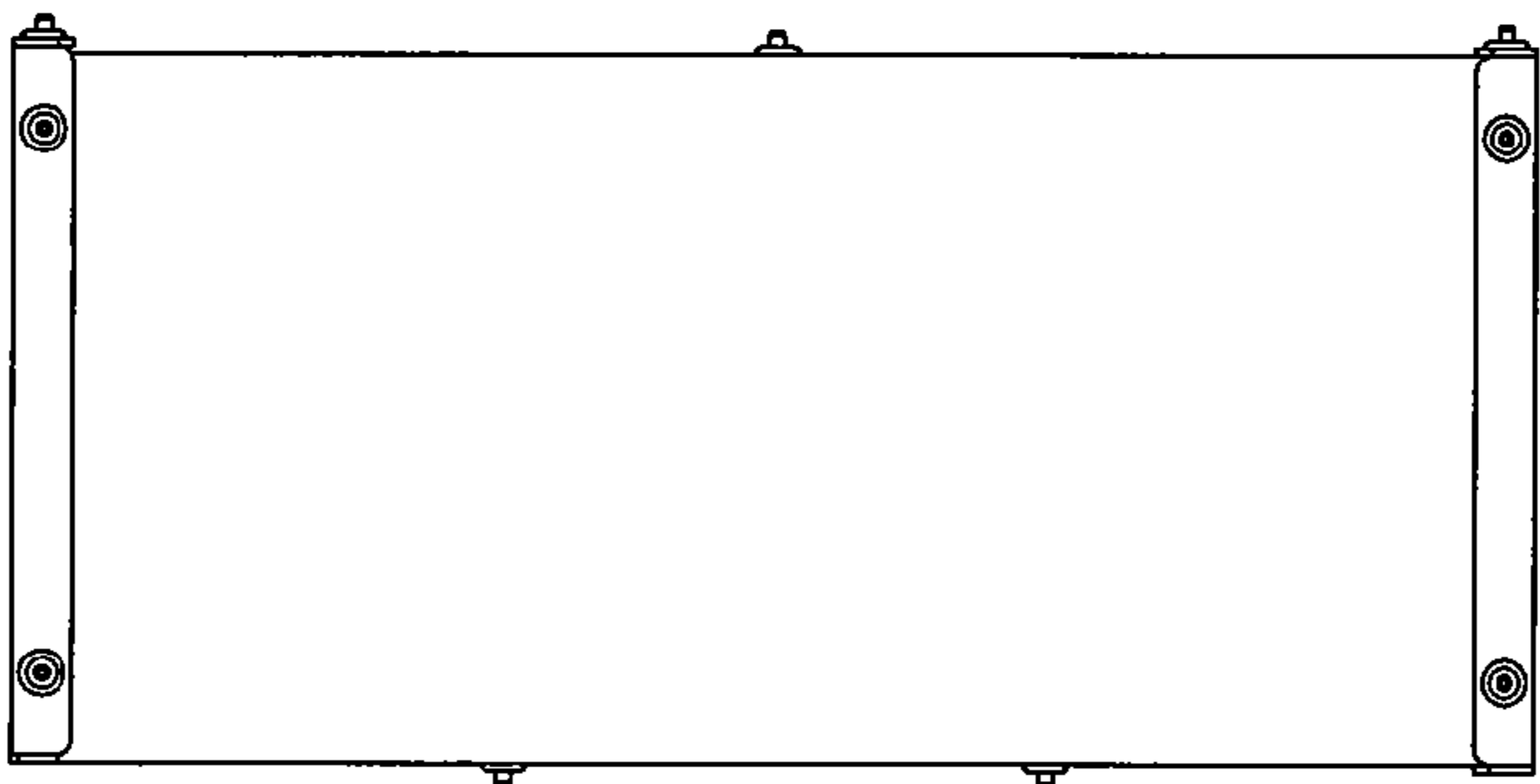


FIG. 15

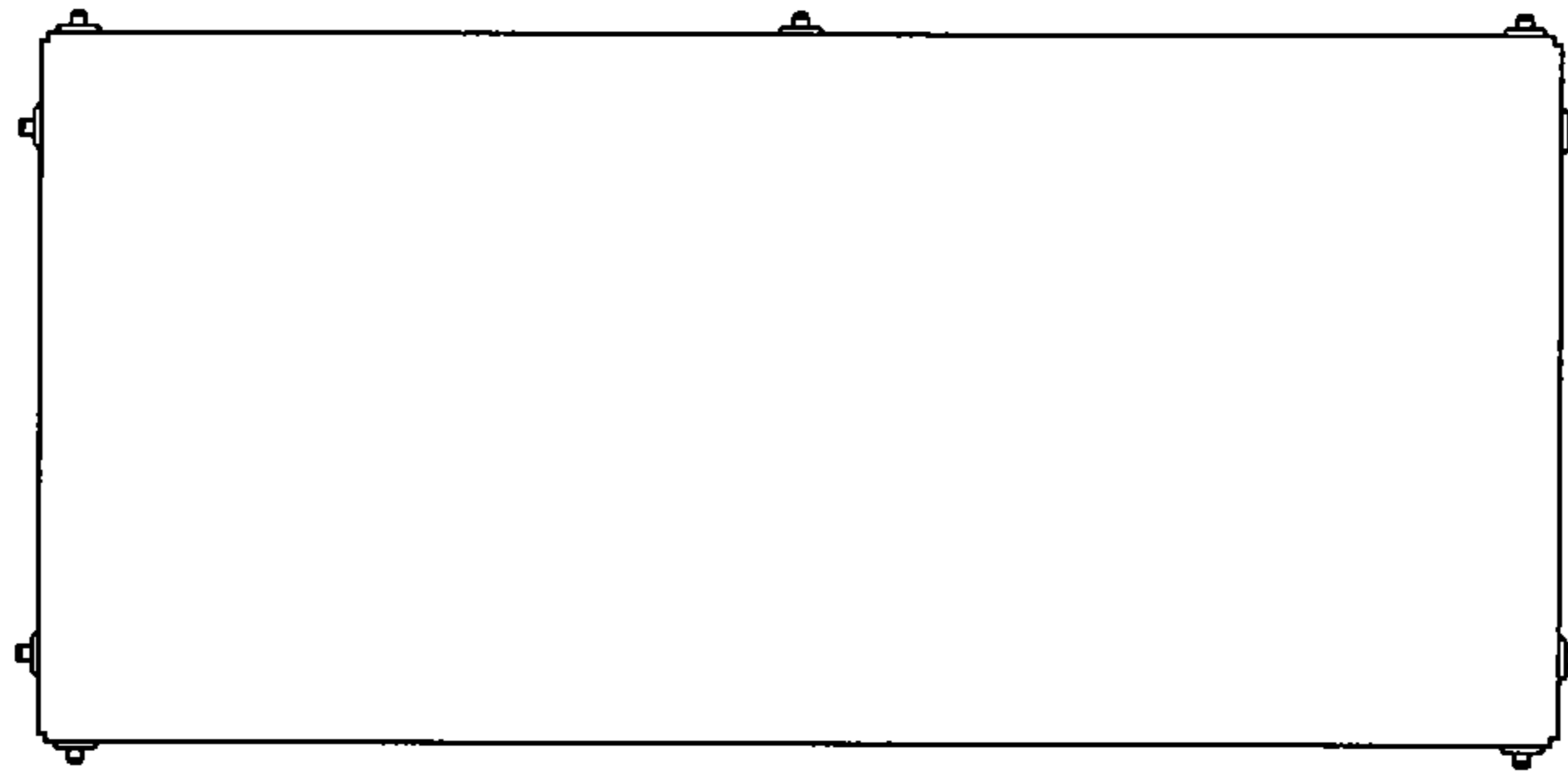


FIG. 16

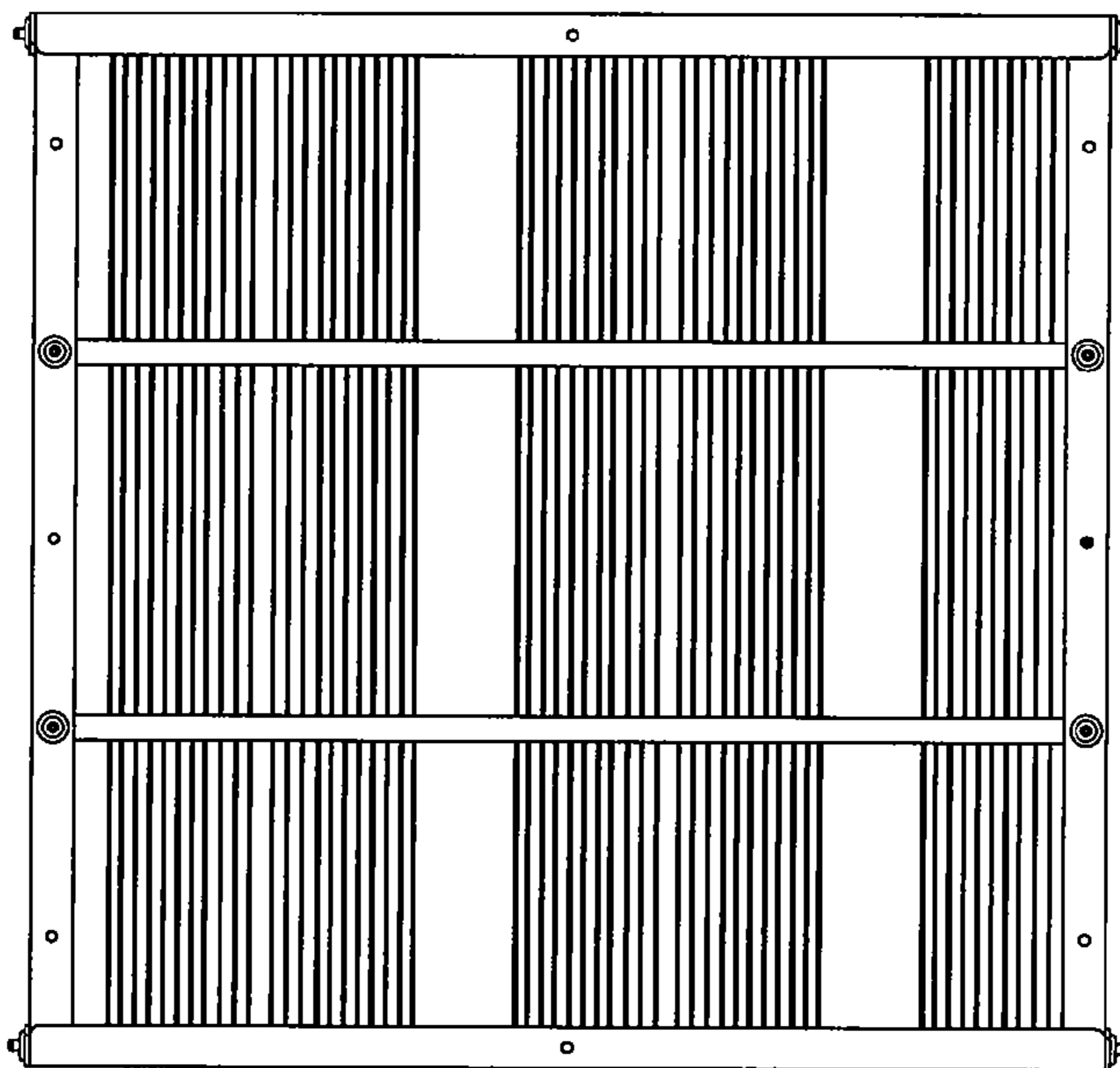


FIG. 17

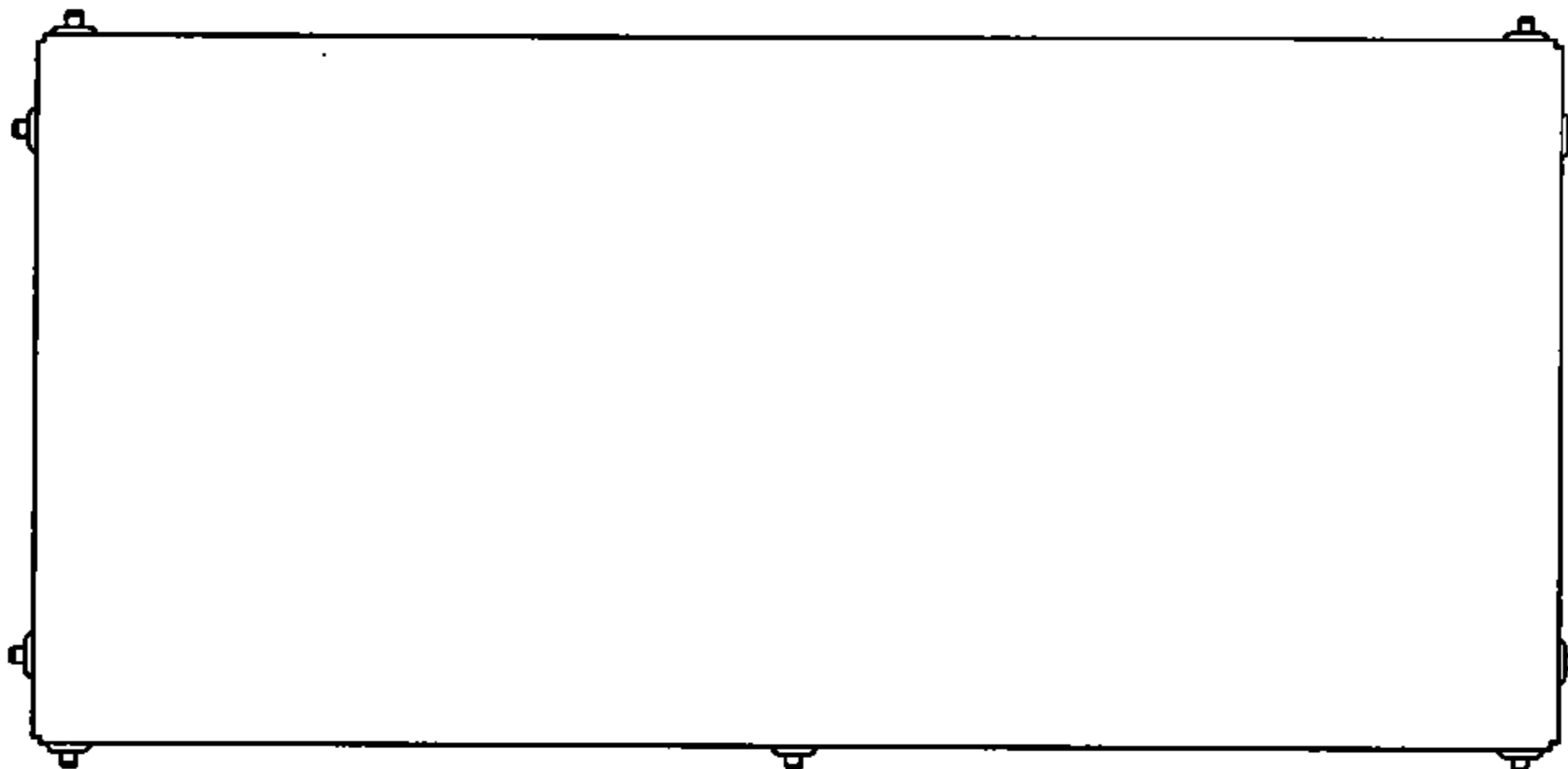


FIG. 18