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

(10) **Patent No.:** **US D794,764 S**

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(54) **SHORT ANGLED FILTER HOUSING**

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(72) Inventor: **Scott Carter**, Rogers, AR (US)

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

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**Related U.S. Application Data**

(63) Continuation-in-part of application No. 29/448,658, filed on Mar. 13, 2013, now Pat. No. Des. 742,496, and a continuation-in-part of application No. 29/471,889, filed on Nov. 6, 2013, now Pat. No. Des. 727,487, and a continuation-in-part of application No. 14/637,042, filed on Mar. 3, 2015, now abandoned.

(51) **LOC (10) Cl.** ..... **23-04**

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

(58) **Field of Classification Search**  
USPC ..... D23/365, 209, 363, 358, 386, 354, 341, D23/364, 31; 55/385.3, 502, 497, 506, 55/505, 521, 495, 422, 493, DIG. 30; 210/435, 130, 136, 248, 339, 448, 452, 210/497.1; D15/5  
CPC ..... B01D 46/0004; B01D 46/0005; B01D 46/0006; B01D 46/0008; B01D 46/0009; B01D 46/001; B01D 46/0013; B01D 46/521

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,966,959 A \* 1/1961 Neumann ..... B01D 46/125  
55/484  
D204,839 S 5/1966 Bishop ..... 62/4

4,157,251 A 6/1979 Colomer ..... 55/242  
4,685,944 A \* 8/1987 Allan ..... B01D 46/0004  
55/491  
4,969,936 A \* 11/1990 Schweigert ..... B01D 46/125  
96/129  
5,080,699 A 1/1992 Ho et al. .... 55/179  
5,223,011 A \* 6/1993 Hanni ..... B01D 46/125  
55/484  
5,593,476 A \* 1/1997 Coppom ..... B03C 3/155  
95/78  
5,733,350 A \* 3/1998 Muller ..... B01D 53/0407  
55/482  
5,759,239 A 6/1998 Yu ..... 96/3  
6,214,076 B1 4/2001 Beier et al. .... 55/484  
D455,826 S \* 4/2002 Gillingham ..... D23/365  
D469,863 S \* 2/2003 Kice ..... D23/386  
6,835,128 B1 \* 12/2004 Olson ..... F24F 3/044  
454/158

(Continued)

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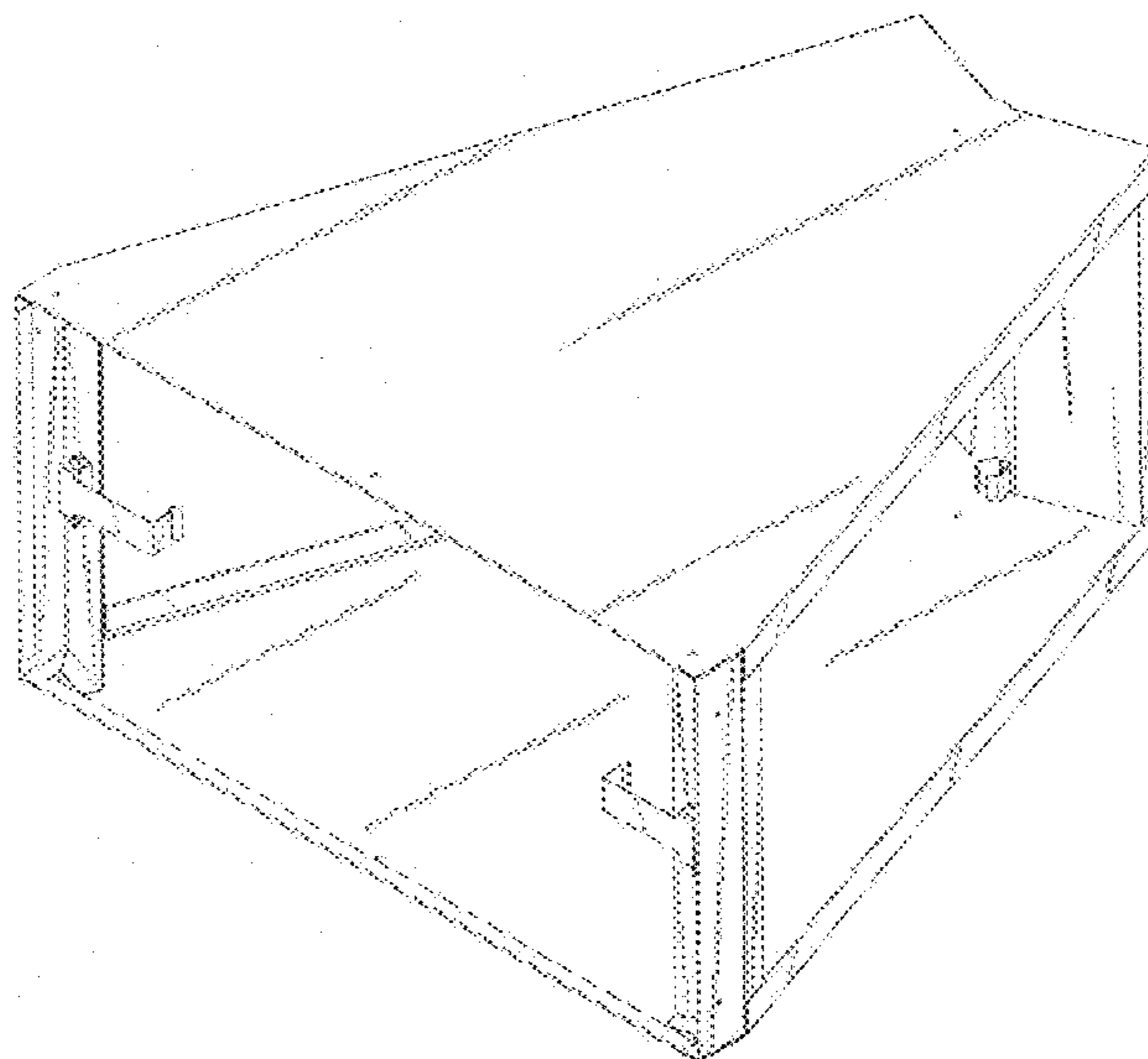
(57) **CLAIM**

The ornamental design for a short angled filter housing, as shown and described.

**DESCRIPTION**

FIG. 1 is a back view of a short angled filter housing with an outer housing holding channel slots and vertical supports showing my new design;  
FIG. 2 is a top plan view thereof, the bottom view being the same;  
FIG. 3 is a front elevation view thereof;  
FIG. 4 is a left side elevation view thereof;  
FIG. 5 is a right side elevation view thereof;  
FIG. 6 is an angled left side elevation view thereof  
FIG. 7 is an angled right side elevation view thereof; and,  
FIG. 8 is an isometric view thereof.

**1 Claim, 8 Drawing Sheets**



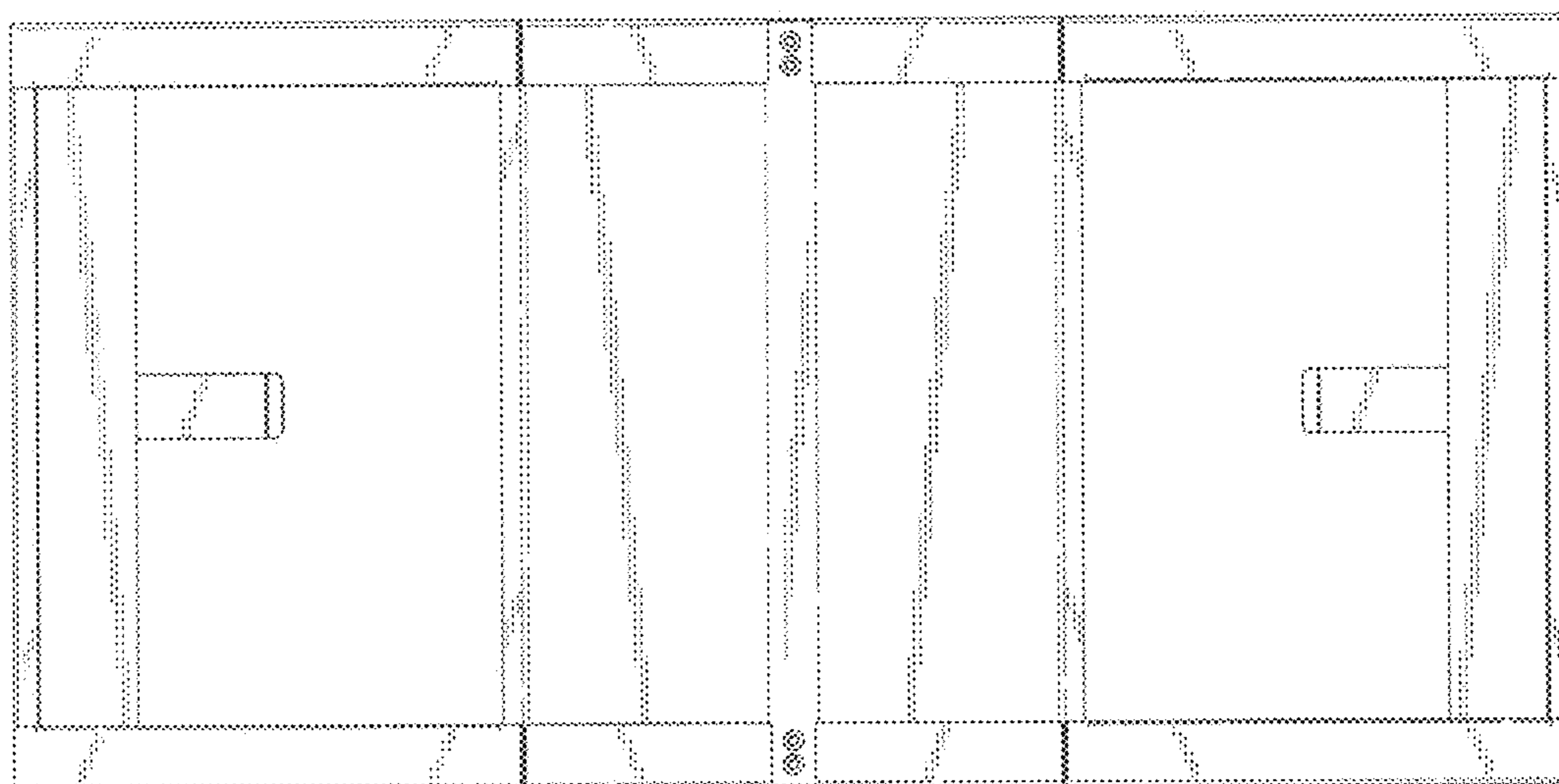
(56)

**References Cited**

U.S. PATENT DOCUMENTS

7,156,898	B2 *	1/2007	Jaisinghani .....	B03C 3/09 264/257
D584,807	S	1/2009	Sundvik et al. ....	23/365
7,585,346	B2 *	9/2009	Roseberry .....	B01D 46/30 55/484
8,303,678	B2	11/2012	Steele et al. ....	55/490
8,603,229	B2 *	12/2013	Tatarchuk .....	B01D 46/002 55/482
8,747,506	B2 *	6/2014	Borkent .....	B01D 46/0023 55/495
2007/0199449	A1	8/2007	Wiser et al. ....	96/69
2011/0236448	A1	9/2011	Cundell et al. ....	424/402
2011/0252759	A1	10/2011	Nicholas .....	55/497

\* cited by examiner



*FIG. 1*

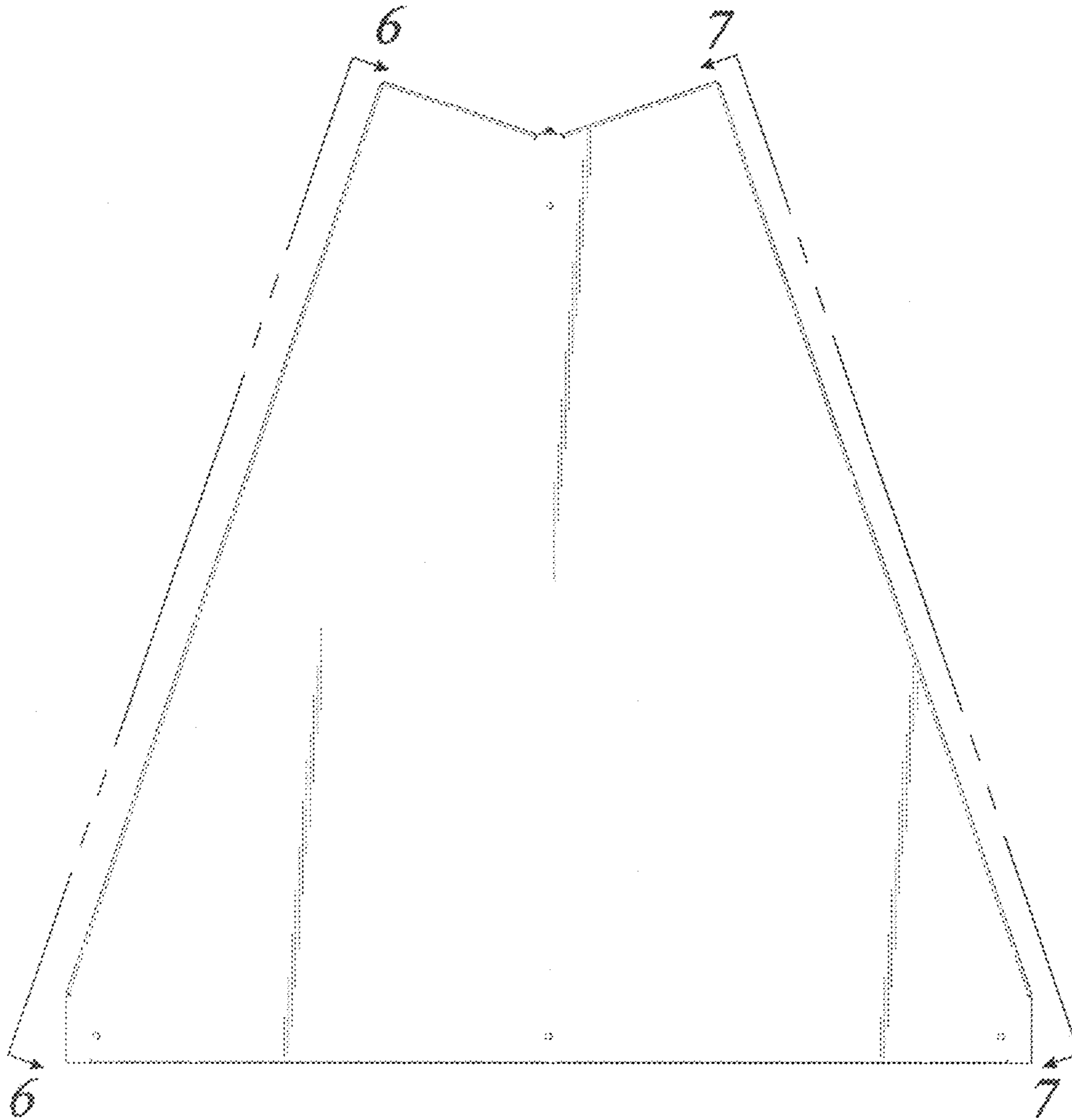
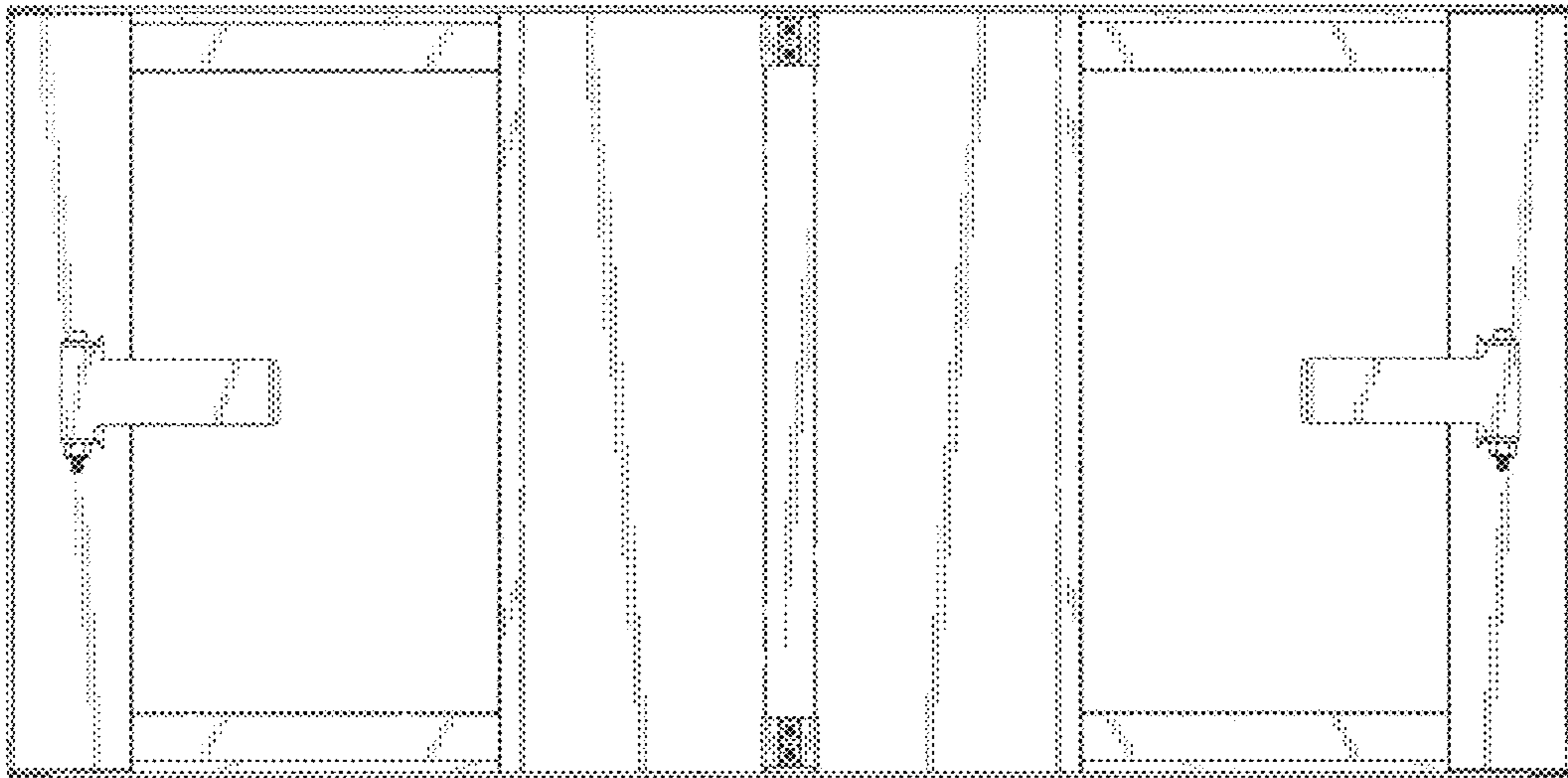
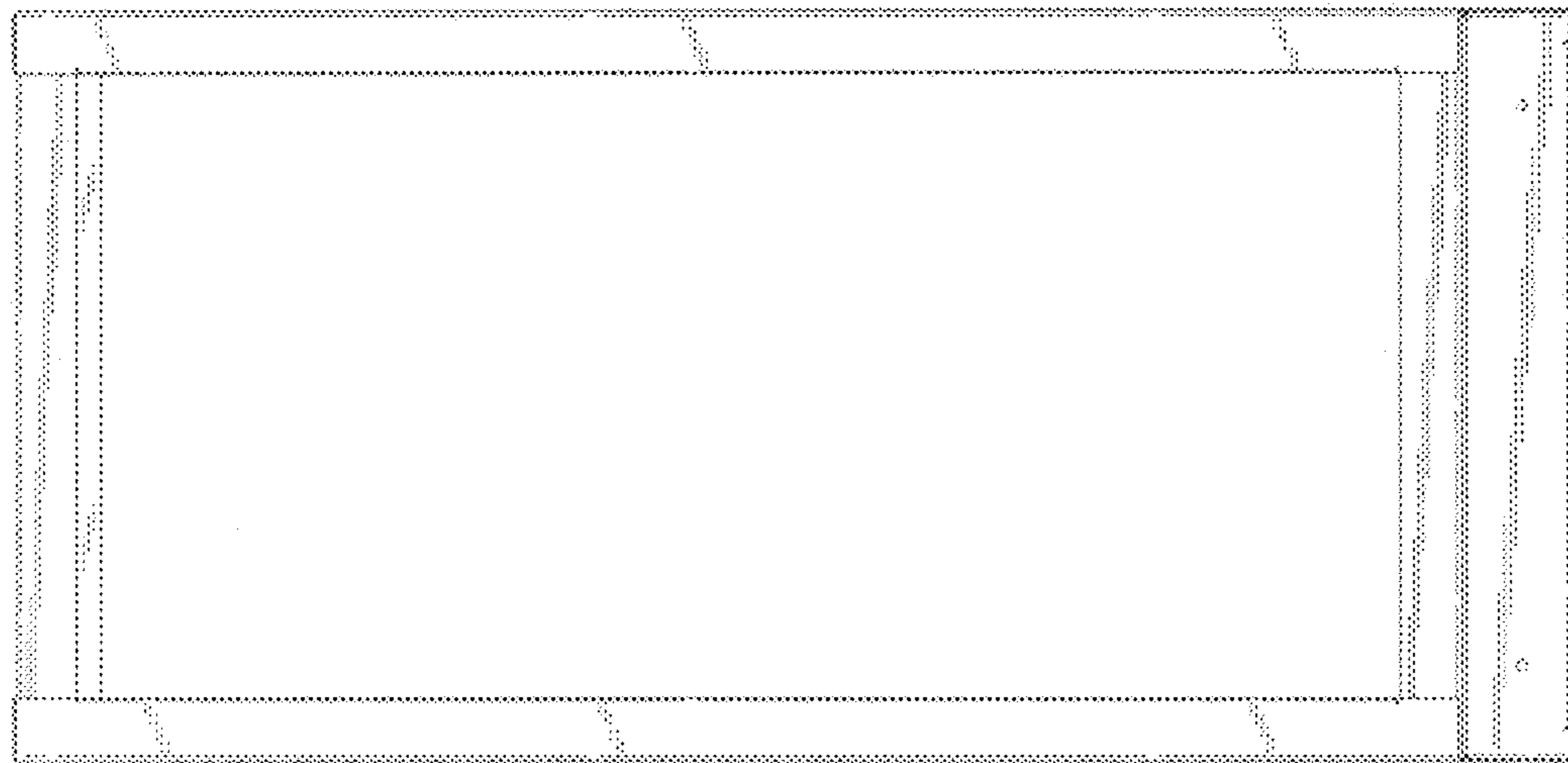


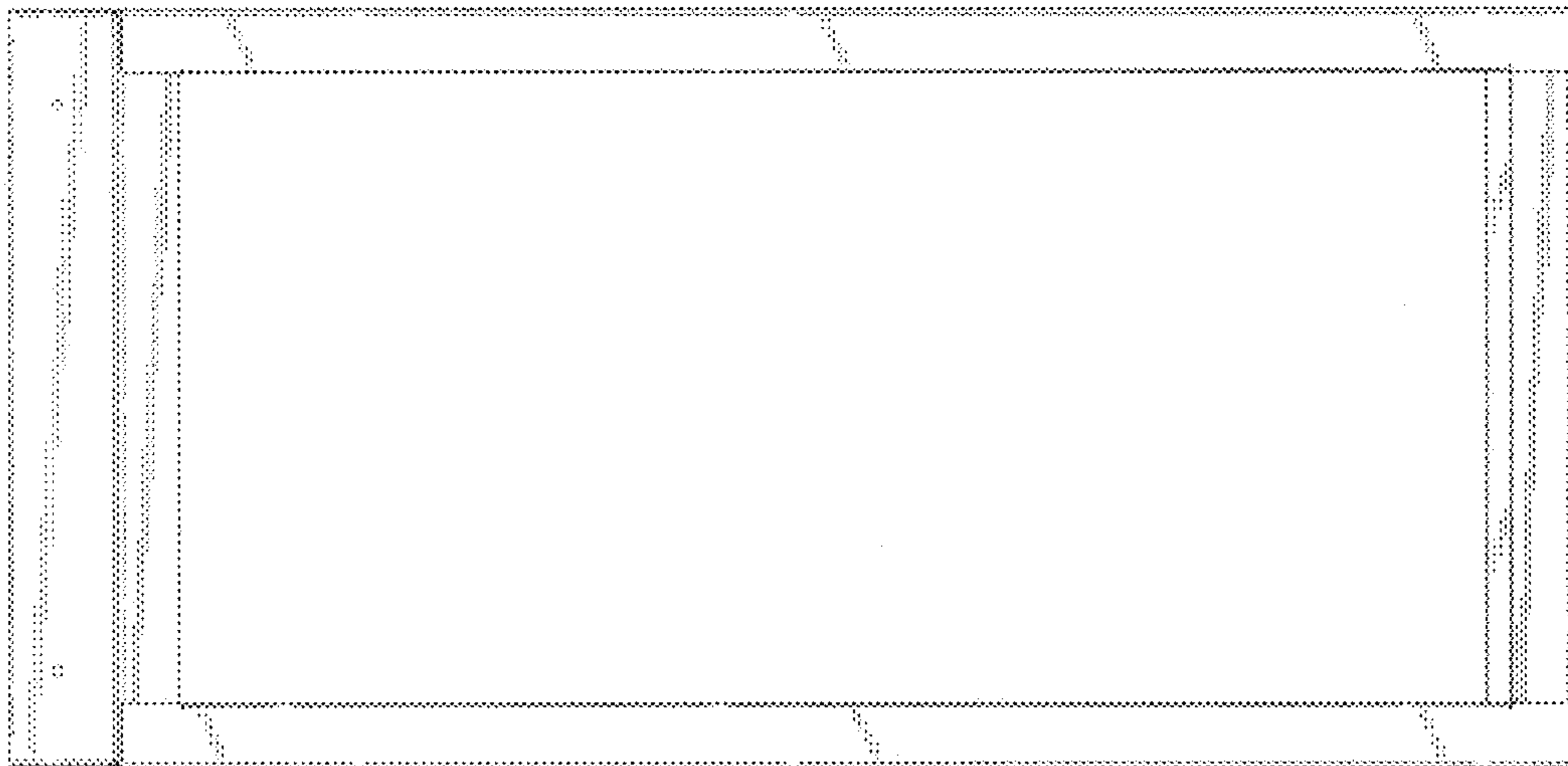
FIG. 2



*FIG. 3*



*FIG. 4*



*FIG. 5*

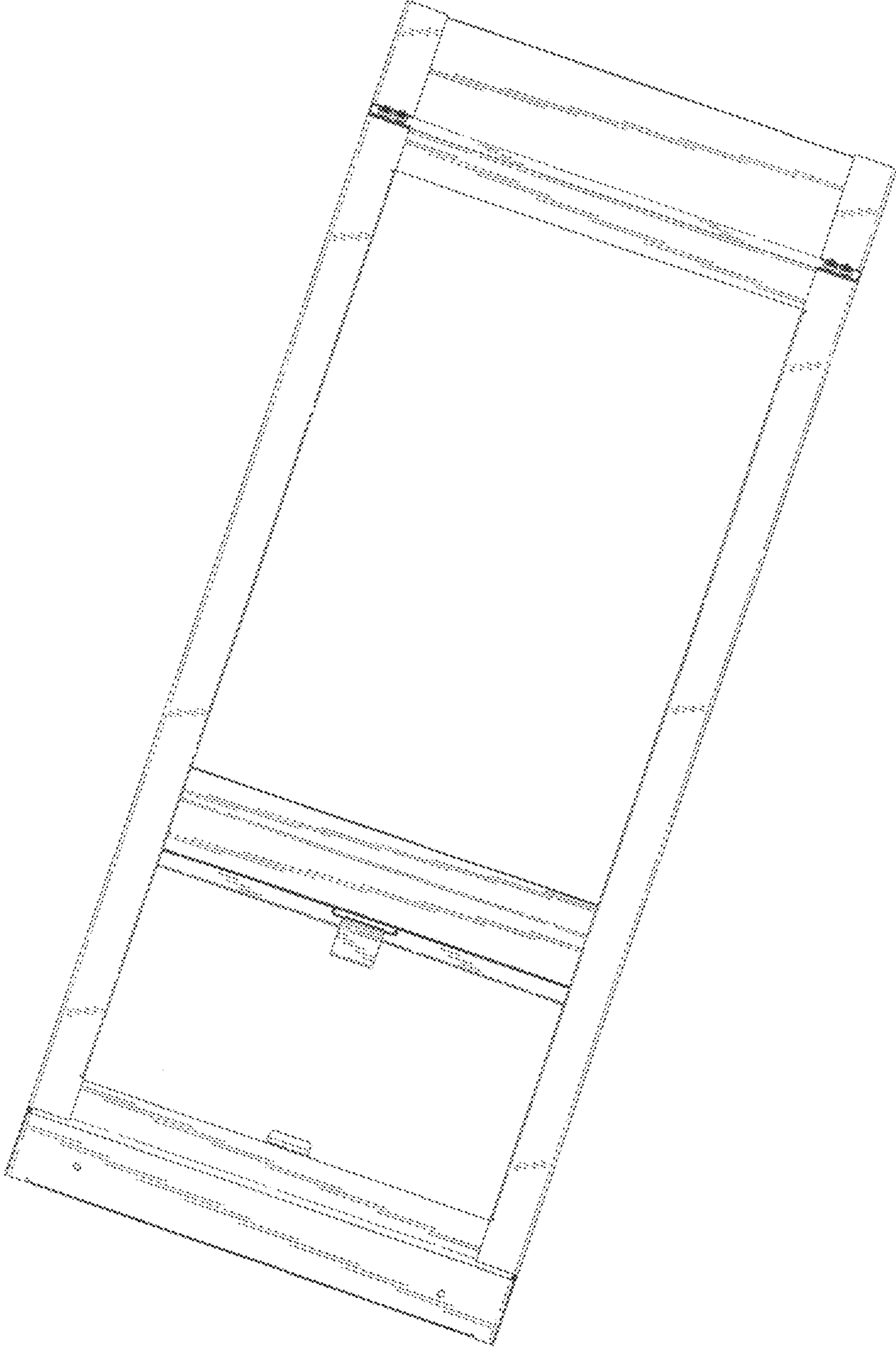
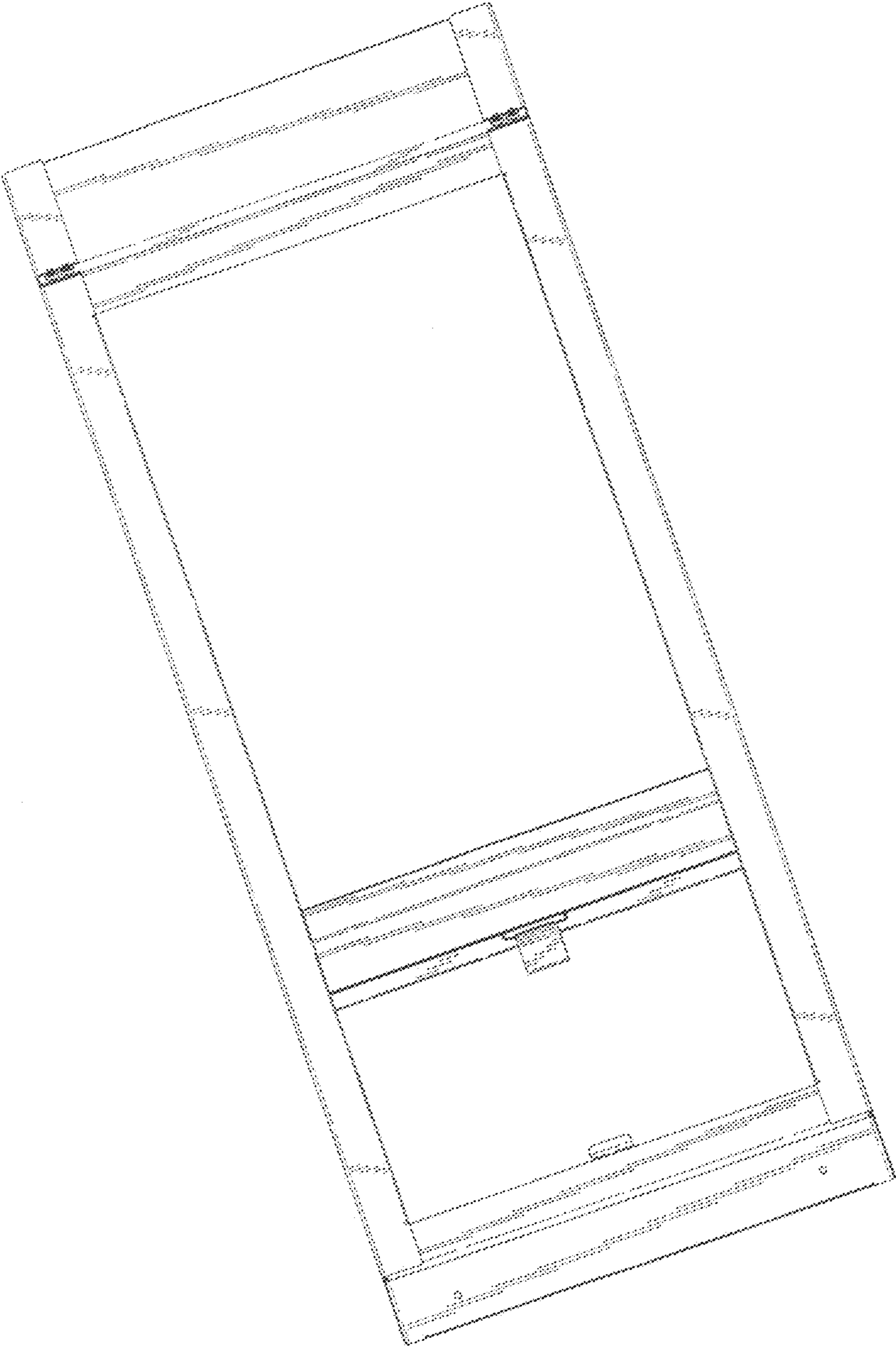


FIG. 6





*FIG. 7*

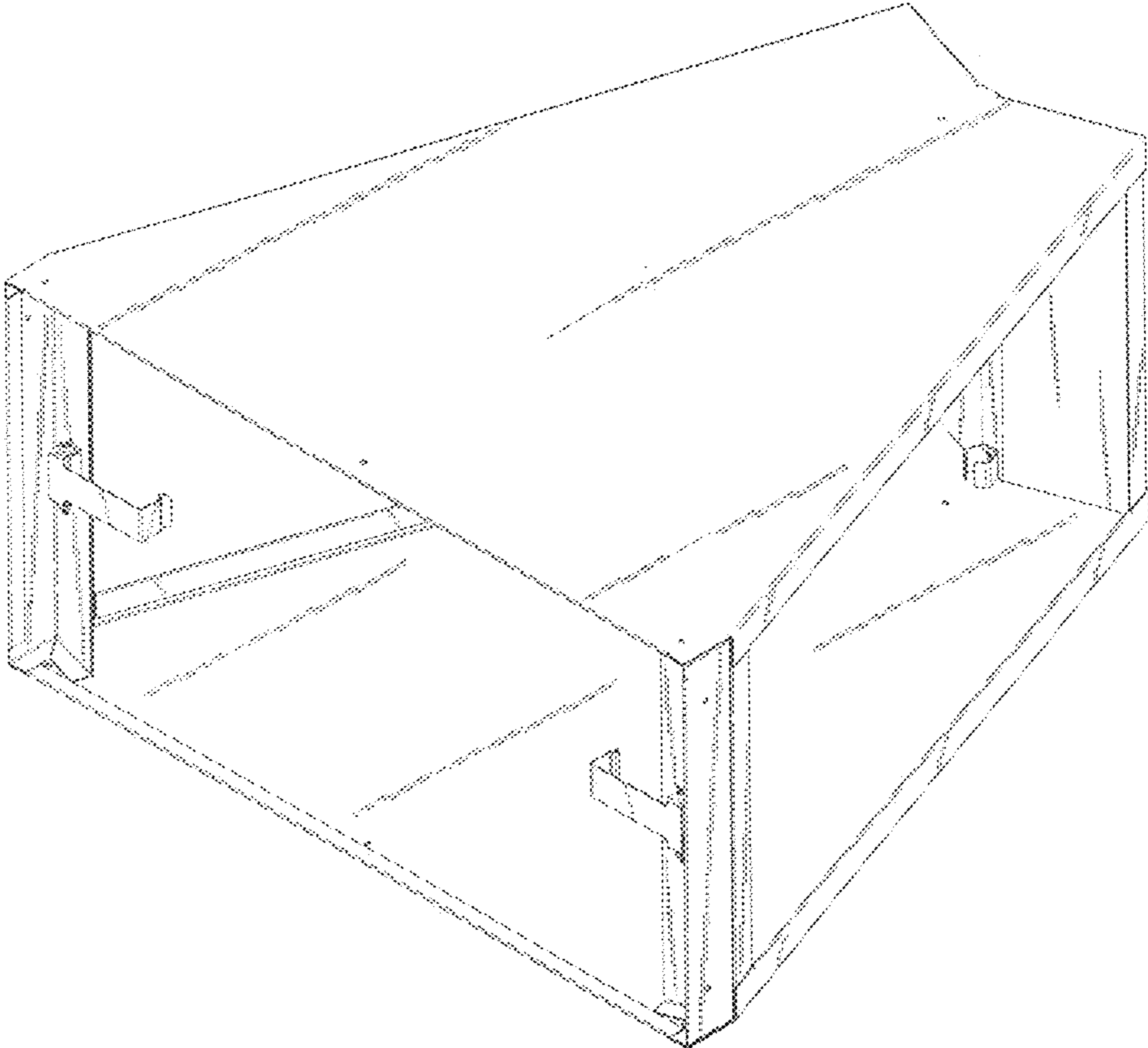


FIG. 8