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(12) **United States Design Patent** (10) **Patent No.:** **US D832,738 S**
Storey (45) **Date of Patent:** **** Nov. 6, 2018**

(54) **EXTENDED HYDROPONIC TOWER**

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

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(52) **U.S. Cl.**
USPC **D11/143**

(58) **Field of Classification Search**
USPC D8/1, 349, 354, 382; D11/134, 143-156;
D25/119
CPC A01G 31/02; A01G 31/04; A01G 1/001;
A01G 9/02; A01G 9/028; A01G 9/026;
A01G 9/021; A01G 9/104; A01G 27/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,646,285	A *	7/1953	Snyder	.....	E04B 1/34336
					280/27
D269,760	S *	7/1983	Geney	.....	D8/382
D291,277	S *	8/1987	Hawkins	.....	D12/317
D292,670	S *	11/1987	Seegmiller	.....	D8/382
5,165,214	A *	11/1992	Codd	.....	E04B 1/19
					403/169
D373,068	S *	8/1996	Airey	.....	D8/349
D373,074	S *	8/1996	Miyashita	.....	D8/382
D375,040	S *	10/1996	Miyashita	.....	D8/382
D419,858	S *	2/2000	Bosgoed	.....	D25/121
D423,325	S *	4/2000	Liss	.....	D8/349
D425,771	S *	5/2000	Dearing	.....	D8/71

D433,615	S *	11/2000	Neider	.....	D8/354
D443,198	S *	6/2001	Snyder	.....	D25/164
D457,052	S *	5/2002	Snyder	.....	D8/349
D506,381	S *	6/2005	Lu	.....	D8/349
D572,510	S *	7/2008	Bohler	.....	D8/349
D580,260	S *	11/2008	Collins	.....	D8/382
D583,219	S *	12/2008	Dagg	D8/349
D592,487	S *	5/2009	Tedesco	D8/349
D601,000	S *	9/2009	Cole	D8/349

(Continued)

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(57) **CLAIM**

The ornamental design for an extended hydroponic tower, as shown and described.

DESCRIPTION

FIG. 1 depicts a perspective view of the front of an extended hydroponic tower.

FIG. 2 depicts a front perspective view of the extended hydroponic tower of FIG. 1.

FIG. 3 depicts a back elevation view of the extended hydroponic tower of FIG. 1.

FIG. 4 depicts a right side elevation view of the extended hydroponic tower of FIG. 1.

FIG. 5 depicts a left side elevation view of the extended hydroponic tower of FIG. 1.

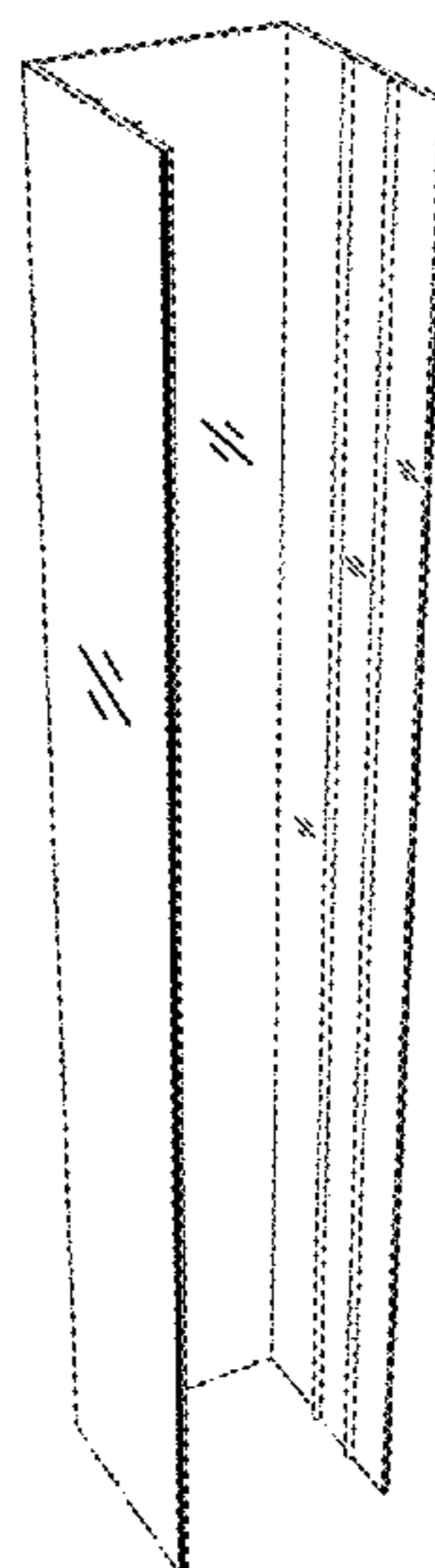
FIG. 6 depicts a top plan view of the extended hydroponic tower of FIG. 1.

FIG. 7 depicts a bottom plan view of the extended hydroponic tower of FIG. 1; and,

FIG. 8 depicts a perspective view of the front of the extended hydroponic tower of FIG. 1, with media material within the hydroponic tower.

Any broken lines in the drawings illustrate environmental structure on the article and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D601,878 S * 10/2009 Funk D8/349
D629,987 S * 12/2010 D'Ulisse D32/58
D637,477 S * 5/2011 Wall D8/382
D690,188 S * 9/2013 Pontus D8/349
D732,912 S * 6/2015 Cavaliere D8/16
D757,240 S * 5/2016 Forlong D23/393
9,380,751 B2 * 7/2016 Storey A01G 31/02
D764,256 S * 8/2016 Dedios-Shirley D8/349
D771,276 S * 11/2016 Walker D25/119
9,491,915 B2 * 11/2016 Storey A01G 31/02
D773,293 S * 12/2016 Ugartechea Berlanga D8/382
D785,497 S * 5/2017 Storey 47/62 N
D790,324 S * 6/2017 Ajello D8/354
D796,378 S * 9/2017 Storey D11/152
D797,546 S * 9/2017 Saideh D8/354
2011/0023361 A1 * 2/2011 Storey A01G 31/02
47/62 R
2014/0115960 A1 * 5/2014 Kantola A01G 31/00
47/66.7
2015/0296724 A1 * 10/2015 Martinez Ruanova
A01G 9/025
47/62 R
2015/0342127 A1 * 12/2015 Gallant A01G 9/02
47/20.1
2016/0227722 A1 * 8/2016 Storey A01G 31/02
2017/0027119 A1 * 2/2017 Storey A01G 31/04
2017/0055474 A1 * 3/2017 Storey A01G 31/02

* cited by examiner

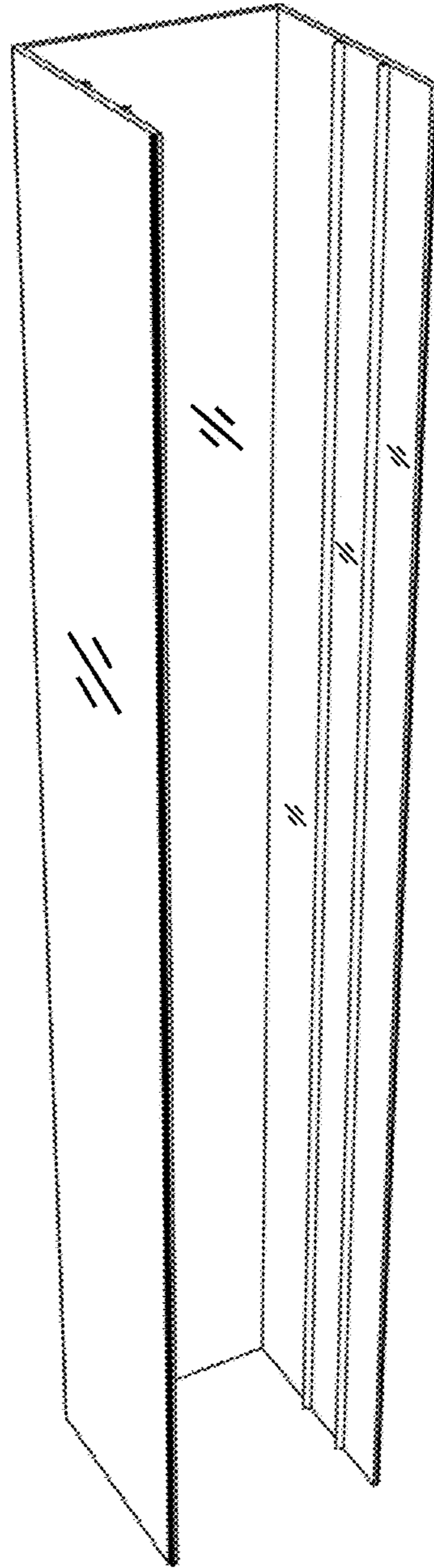


FIG.1

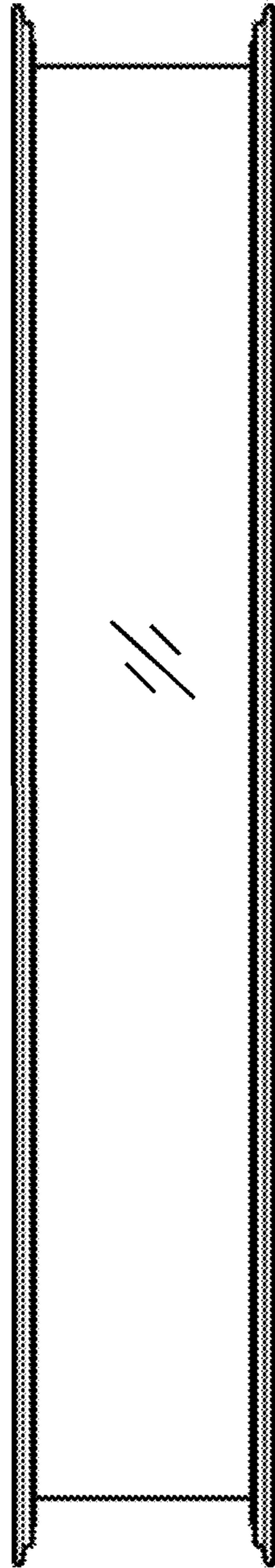


FIG.2

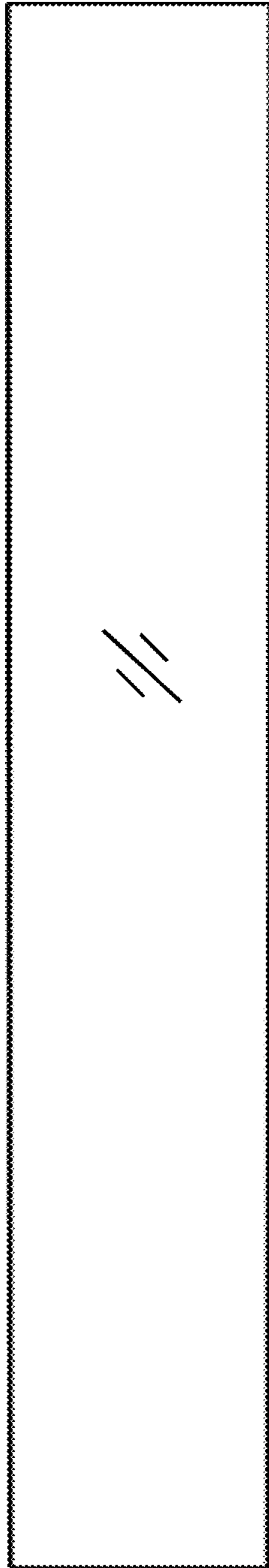


FIG.3

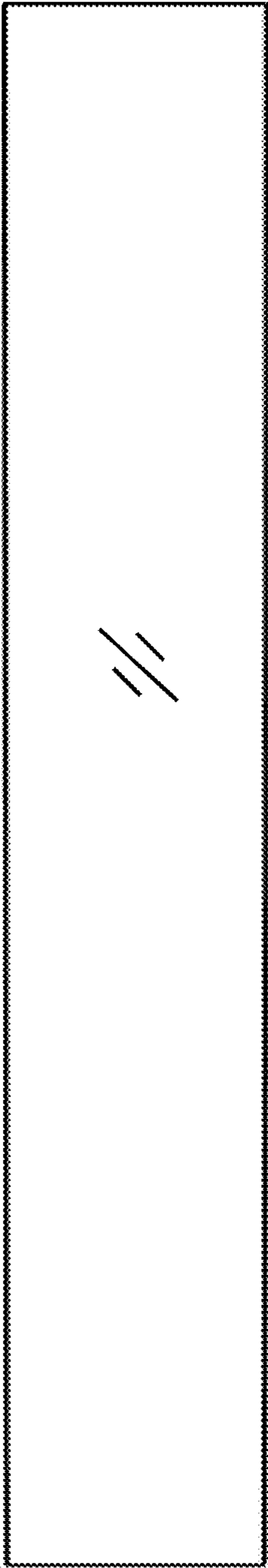


FIG.4

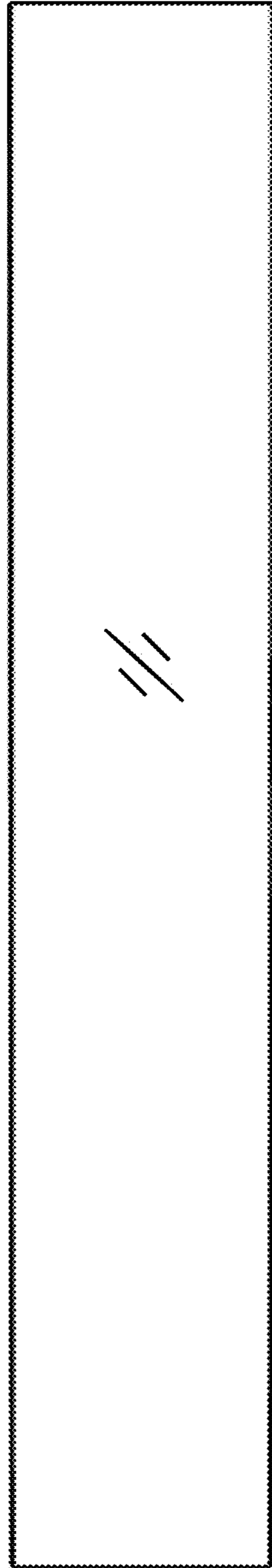


FIG.5

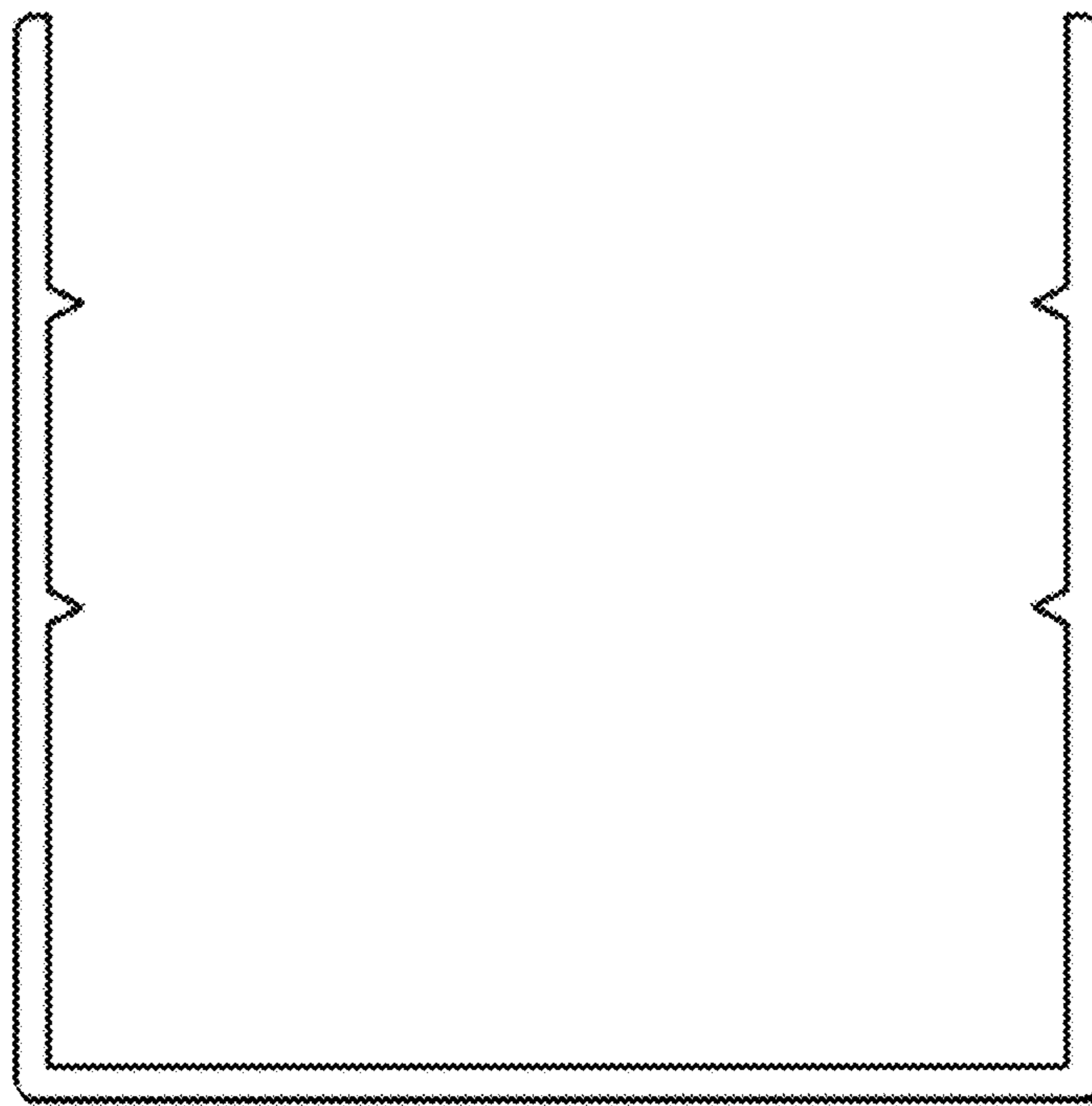


FIG.6

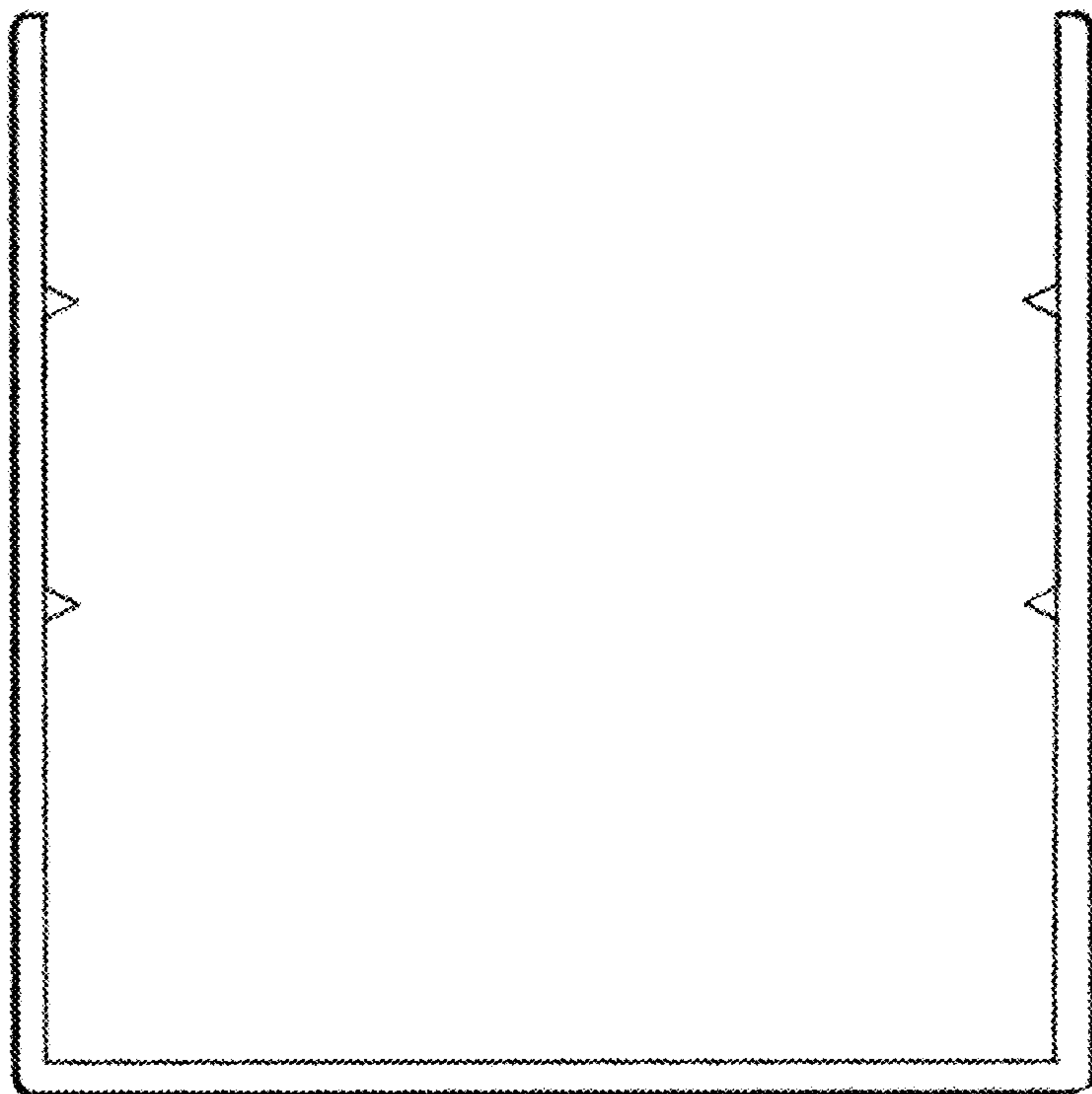


FIG.7

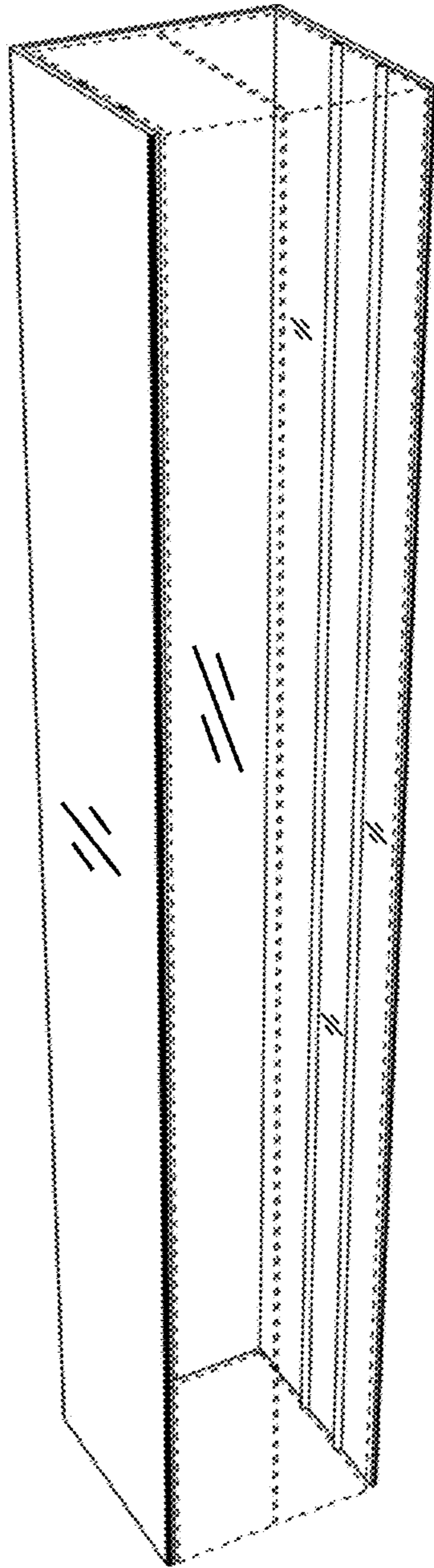


FIG.8