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

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(54) **WIRE GRATING STRUCTURE**

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

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(22) Filed: **Dec. 7, 2018**

**Related U.S. Application Data**

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** ..... **25-01**

(52) **U.S. Cl.**  
USPC ..... **D25/156**

(58) **Field of Classification Search**  
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D25/158, 159, 160, 161, 162, 163;  
D30/114, 120; D23/206, 209, 260, 261,  
D23/268, 365; 210/806

CPC ..... B01D 24/06; B01D 29/0038; B01D 2029/033; B01D 29/111; B01D 39/10; B01D 29/012; B01D 29/48; E21B 43/088  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,180,953 A 4/1916 Steckenreiter  
2,046,458 A \* 7/1936 Johnson ..... B01D 29/111  
166/231

(Continued)

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(57) **CLAIM**

The ornamental design for a wire grating structure, as shown and described.

**DESCRIPTION**

This application is a divisional application of U.S. application Ser. No. 29/597,429 filed Mar. 16, 2017, the contents therein are incorporated by reference in their entirety.

FIG. 1 is a perspective view of a wire grating structure showing our new design;

FIG. 2 is a top plan view thereof;

FIG. 3 is a front elevation view thereof, the rear elevation view being a mirror image thereof;

FIG. 4 is a right side elevation view thereof, the left side elevation view being a mirror image thereof;

FIG. 5 is a perspective view of an alternative embodiment of the wire grating structure showing our new design;

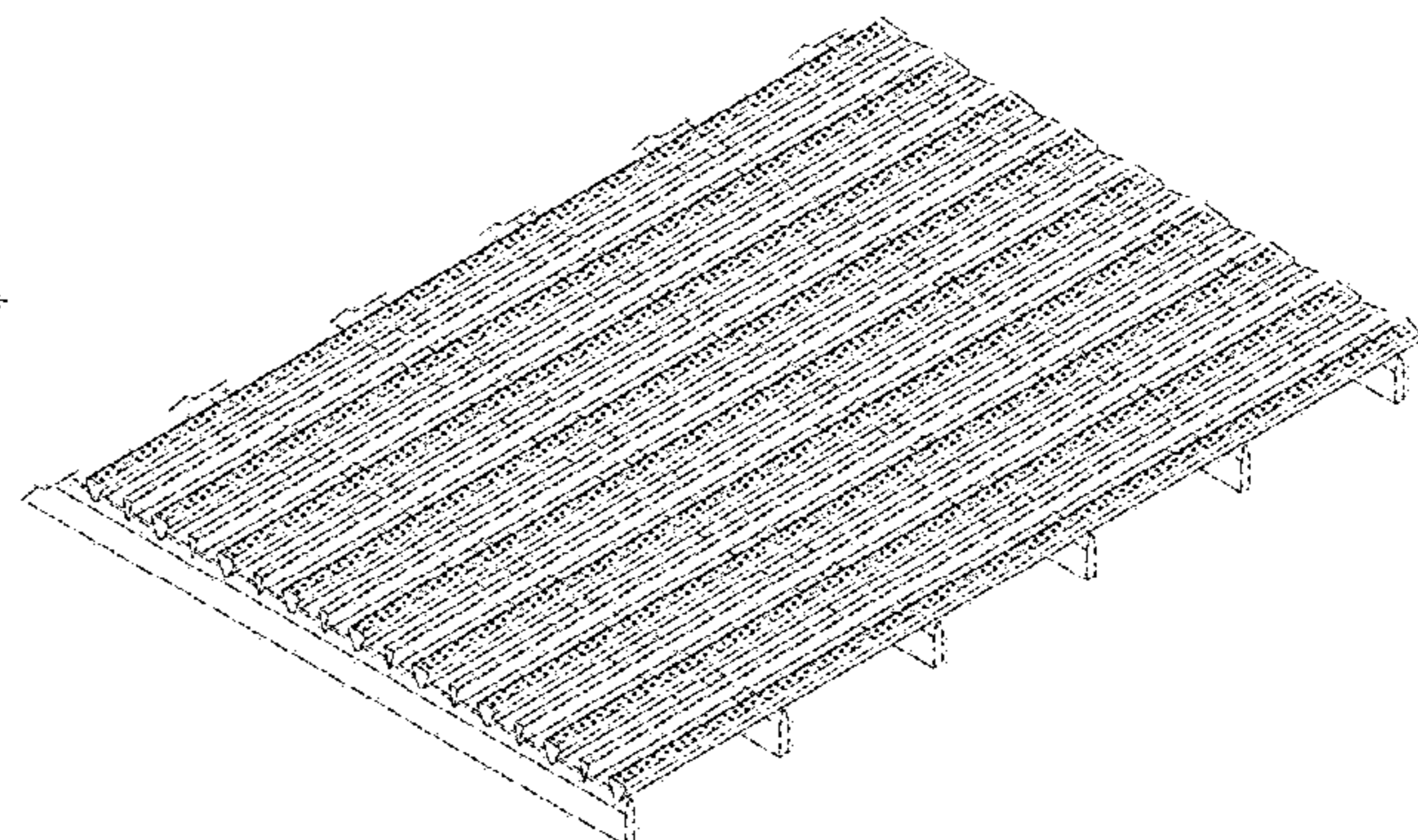
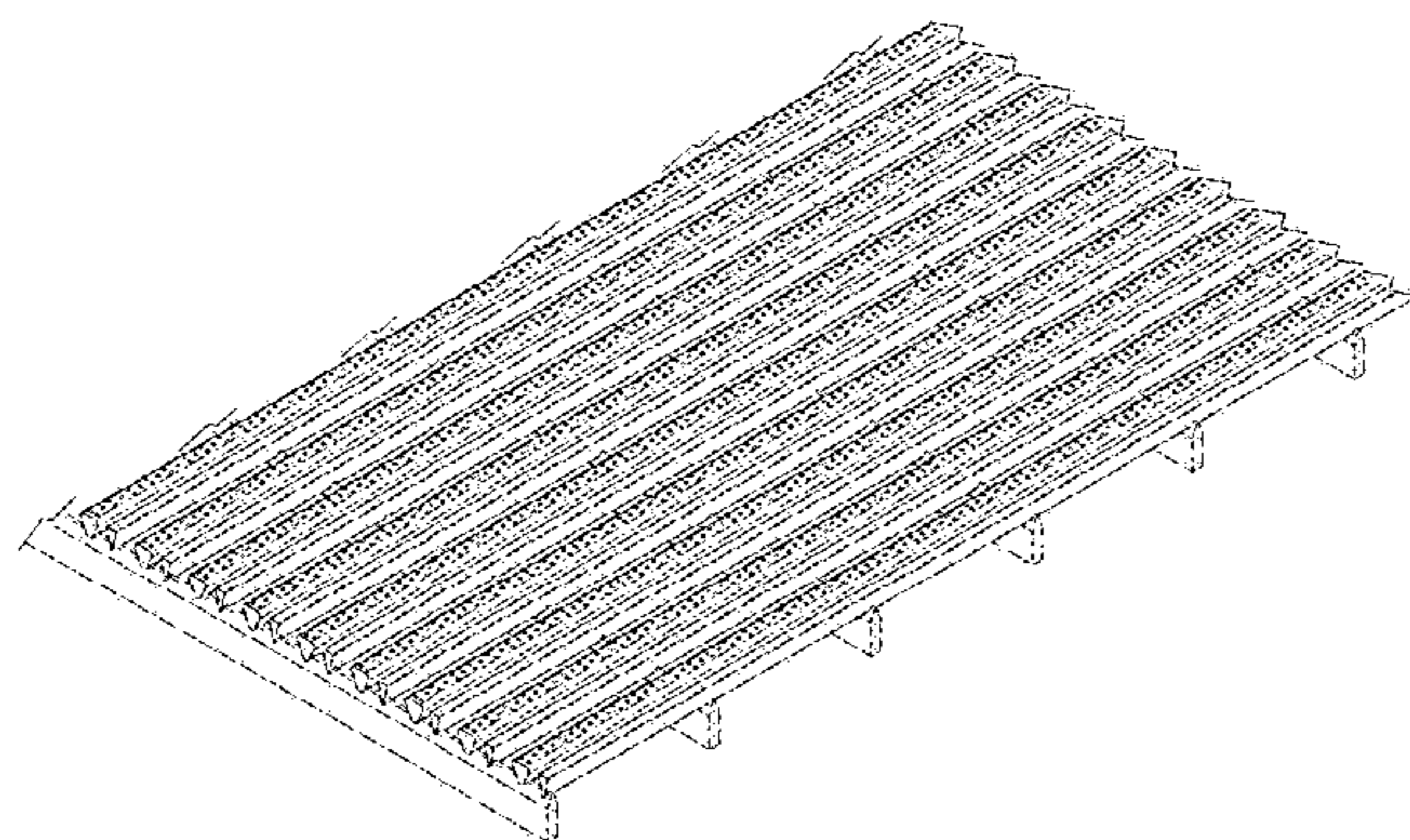
FIG. 6 is a top plan view thereof;

FIG. 7 is a front elevation view thereof, the rear elevation view being a mirror image thereof; and,

FIG. 8 is a right side elevation view thereof, the left side elevation view being a mirror image thereof.

The broken lines depicting the remainder of the wire grating structure show features that form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



# US D921,935 S

(56)

## References Cited

### U.S. PATENT DOCUMENTS

2,101,537	A *	12/1937	Every .....	E21B 43/088 166/234	D349,774 S 5,476,588 A *	8/1994 12/1995	Kongsgaard Nagaoka .....	B01D 29/012 210/499
2,288,883	A *	7/1942	Bixby .....	B07B 1/4618 209/393	D374,727 S D374,728 S 5,705,069 A 5,785,122 A *	10/1996 10/1996 1/1998 7/1998	Emanuele et al. Bielert Nagaoka Spray .....	B01D 29/111 166/227
2,341,783	A *	2/1944	Jens .....	B01D 29/48 166/231	5,899,031 A 6,070,739 A 6,089,316 A	5/1999 6/2000 7/2000	Nagaoka et al. Nagaoka Spray	
3,037,630	A *	6/1962	Bixby .....	B07B 1/4609 209/393	D433,165 S 6,698,595 B2	10/2000 3/2004	Moreau et al. Norell et al.	
3,362,125	A	1/1968	Daly		D623,773 S D628,674 S	9/2010 12/2010	Ryan Dittmann et al.	
3,716,144	A *	2/1973	Bartlow .....	E04C 2/423 210/499	D636,099 S D655,804 S D657,858 S	4/2011 3/2012 4/2012	Curtin et al. Platt Platt	
3,901,801	A *	8/1975	Bixby .....	E04C 2/423 209/395	D657,858 S 8,602,096 B2 8,857,325 B2	4/2012 12/2013 10/2014	Platt Olenick et al. Brown	
4,096,911	A *	6/1978	Geske .....	B01D 24/24 166/234	D737,472 S * D755,410 S	8/2015 5/2016	Bucarizza .....	D25/119
4,276,265	A *	6/1981	Gillespie .....	B01J 8/44 210/497.01	D805,219 S * D843,016 S *	12/2017 3/2019	Shen .....	D25/138
4,283,278	A *	8/1981	Savage .....	B01D 35/28 209/395	D846,161 S * D849,271 S *	4/2019 5/2019	Lazzarini .....	D25/156
4,375,408	A *	3/1983	Anderson .....	B07B 1/4609 209/395	10,695,800 B2 * 2005/0086905 A1	6/2020 4/2005	Lazzarini .....	B07B 1/46
4,399,042	A *	8/1983	Stannard .....	B01D 33/15 210/791	2008/0073298 A1 2010/0219121 A1 *	3/2008 9/2010	Smith et al. Verstraete .....	B01D 46/403 210/499
D282,105	S	1/1986	Moreau		2014/0291237 A1 2018/0369868 A1 *	10/2014 12/2018	Fulara et al. Lazzarini .....	B07B 1/4609
4,843,700	A *	7/1989	Arai .....	B01D 29/48 29/896.62	2020/0147646 A1 * 2020/0149239 A1 *	5/2020 5/2020	Lazzarini .....	B07B 1/4609
4,976,221	A	12/1990	Yetter		Simonelli .....	E02B 8/026		
5,047,148	A *	9/1991	Arai .....	B01D 29/05 210/498				
5,064,536	A *	11/1991	Bratten .....	B01D 33/067 210/402				
D322,907	S	1/1992	Raburn					

\* cited by examiner

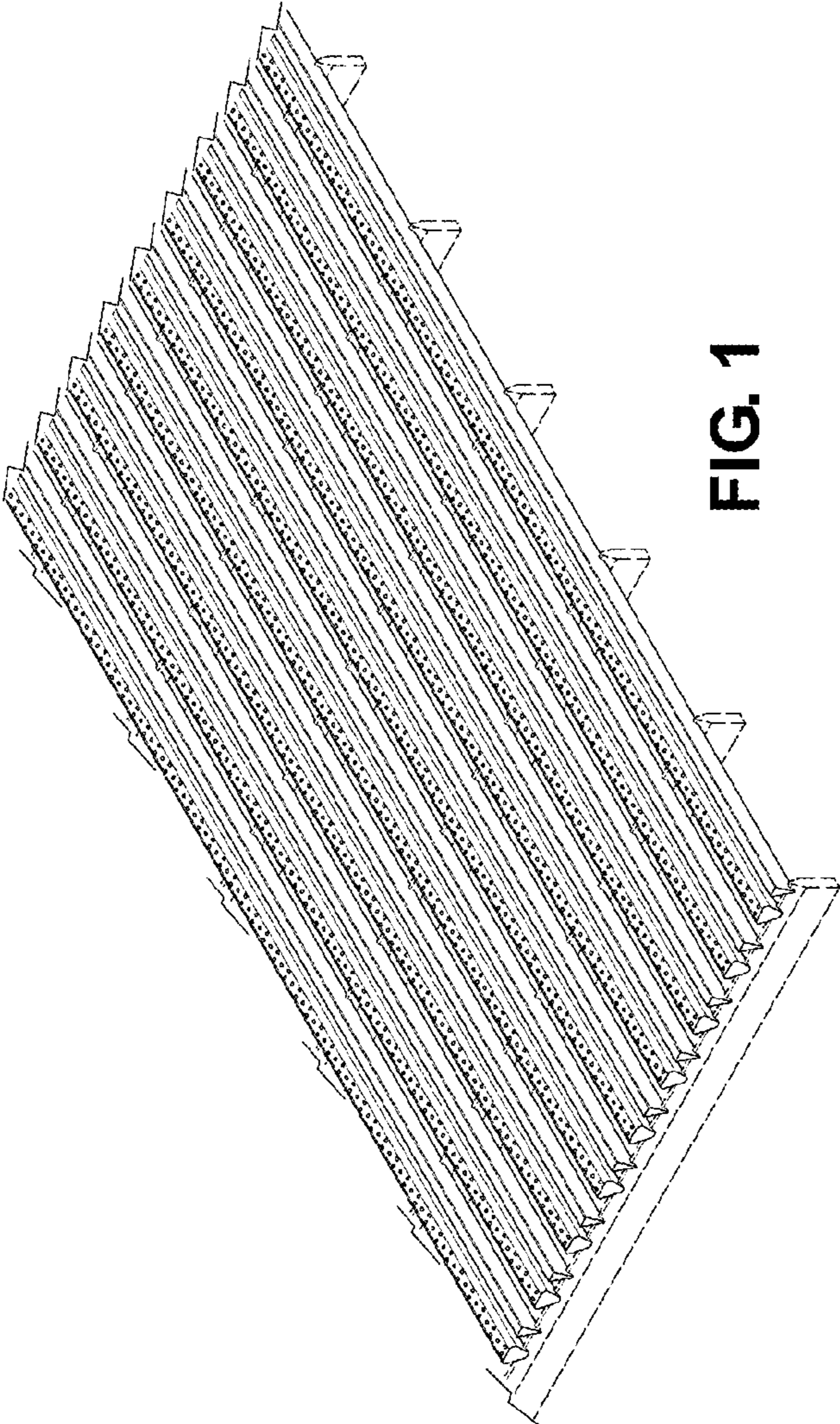


FIG. 1

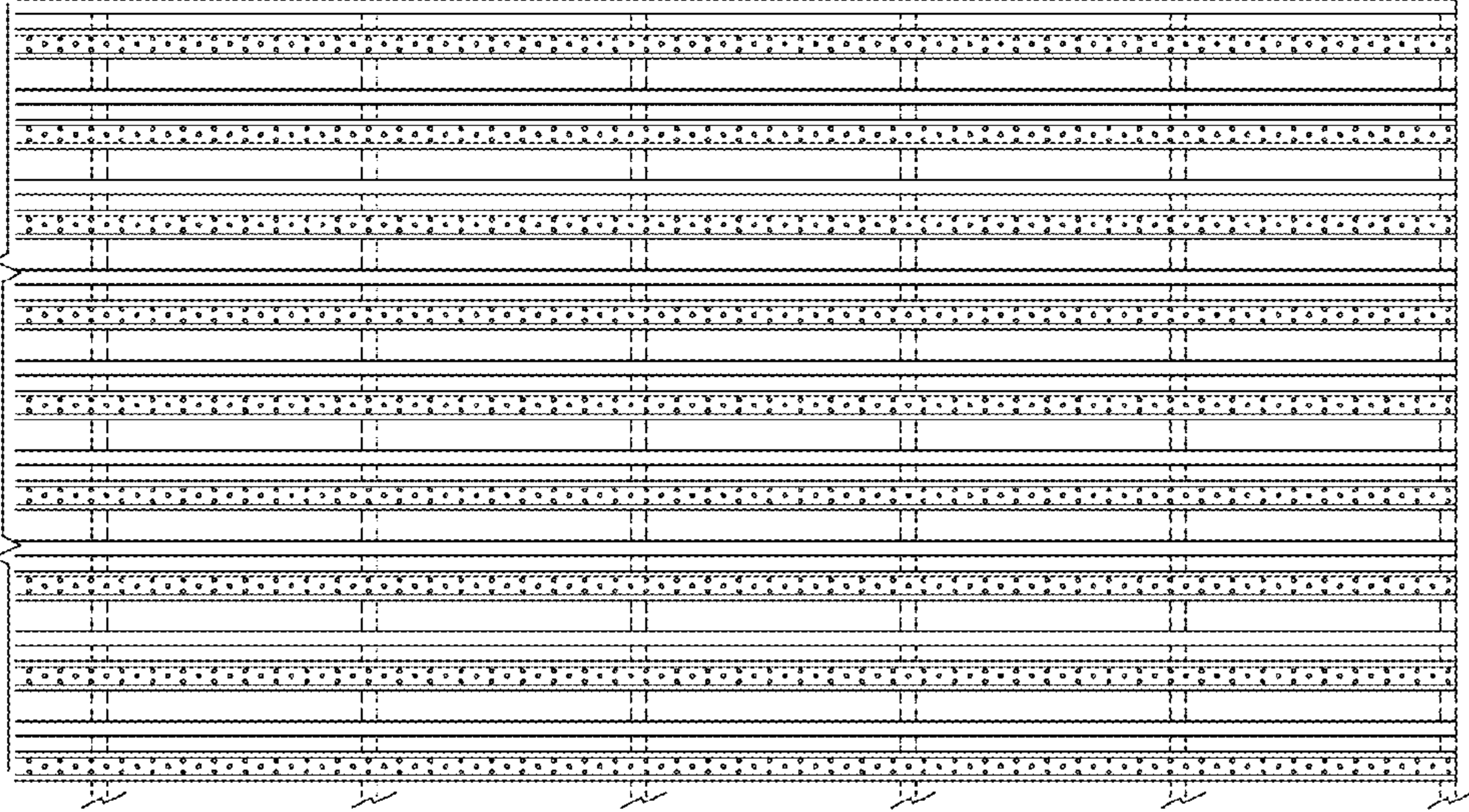


FIG. 2

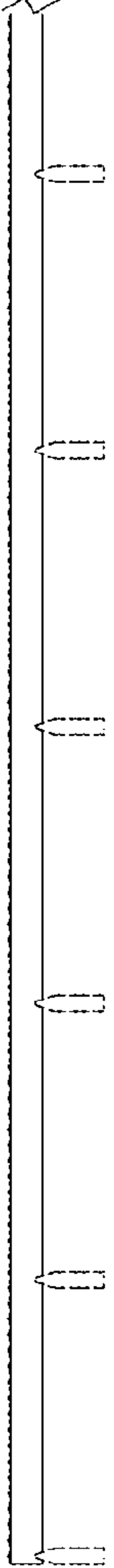


FIG. 3

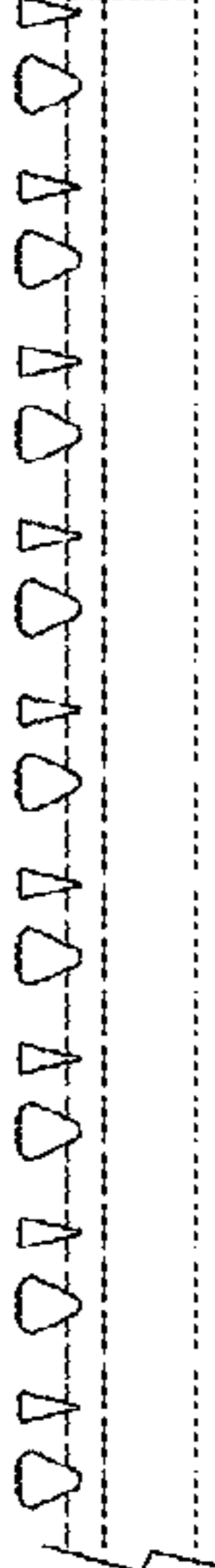
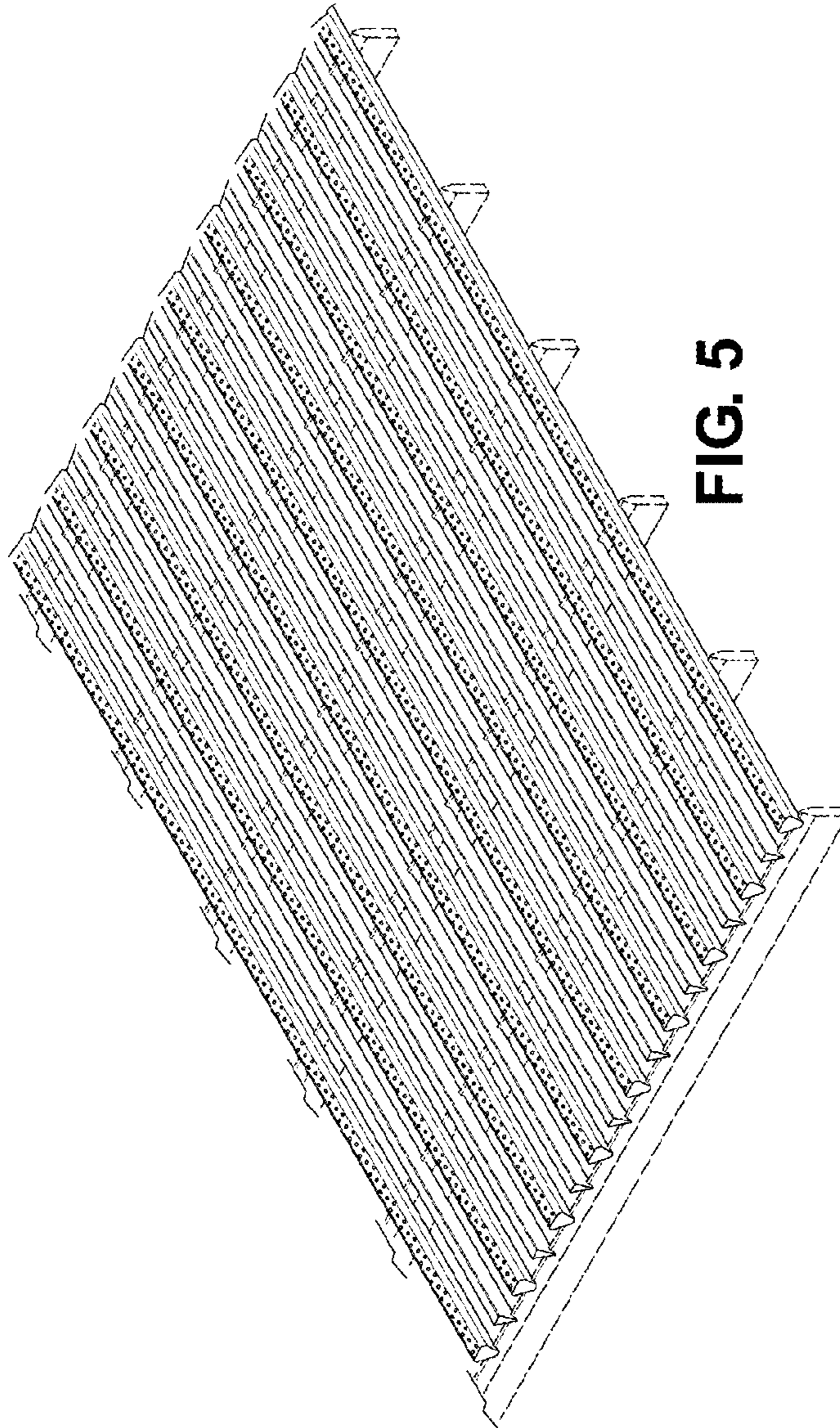
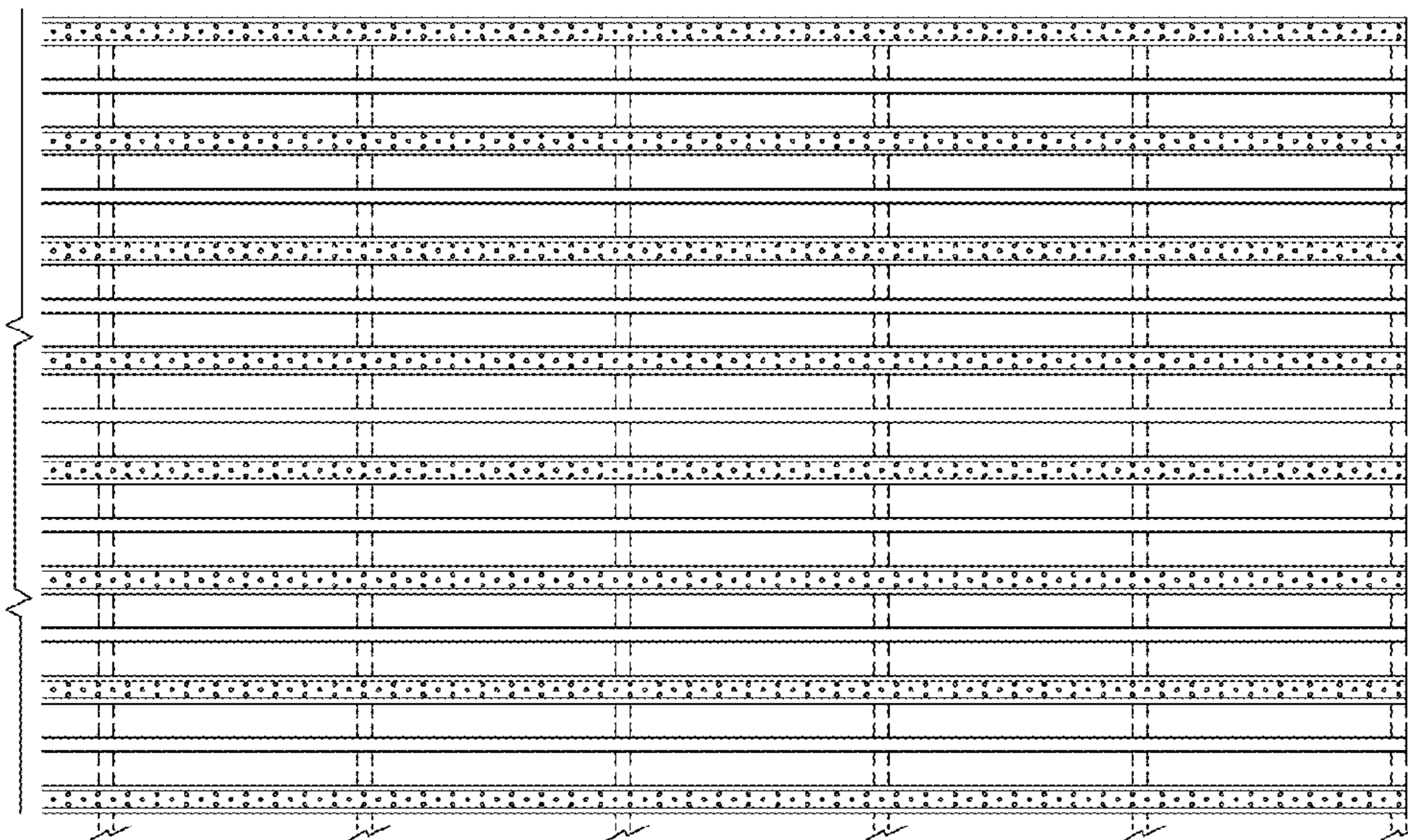


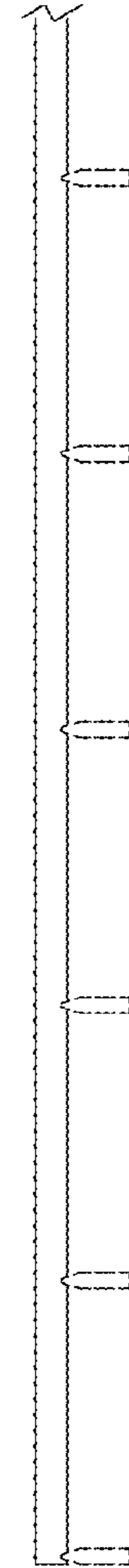
FIG. 4



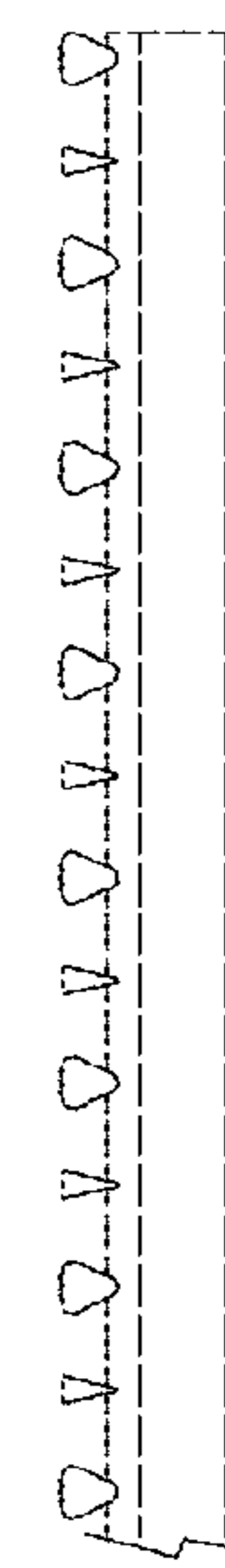
**FIG. 5**



**FIG. 6**



**FIG. 8**



**FIG. 7**