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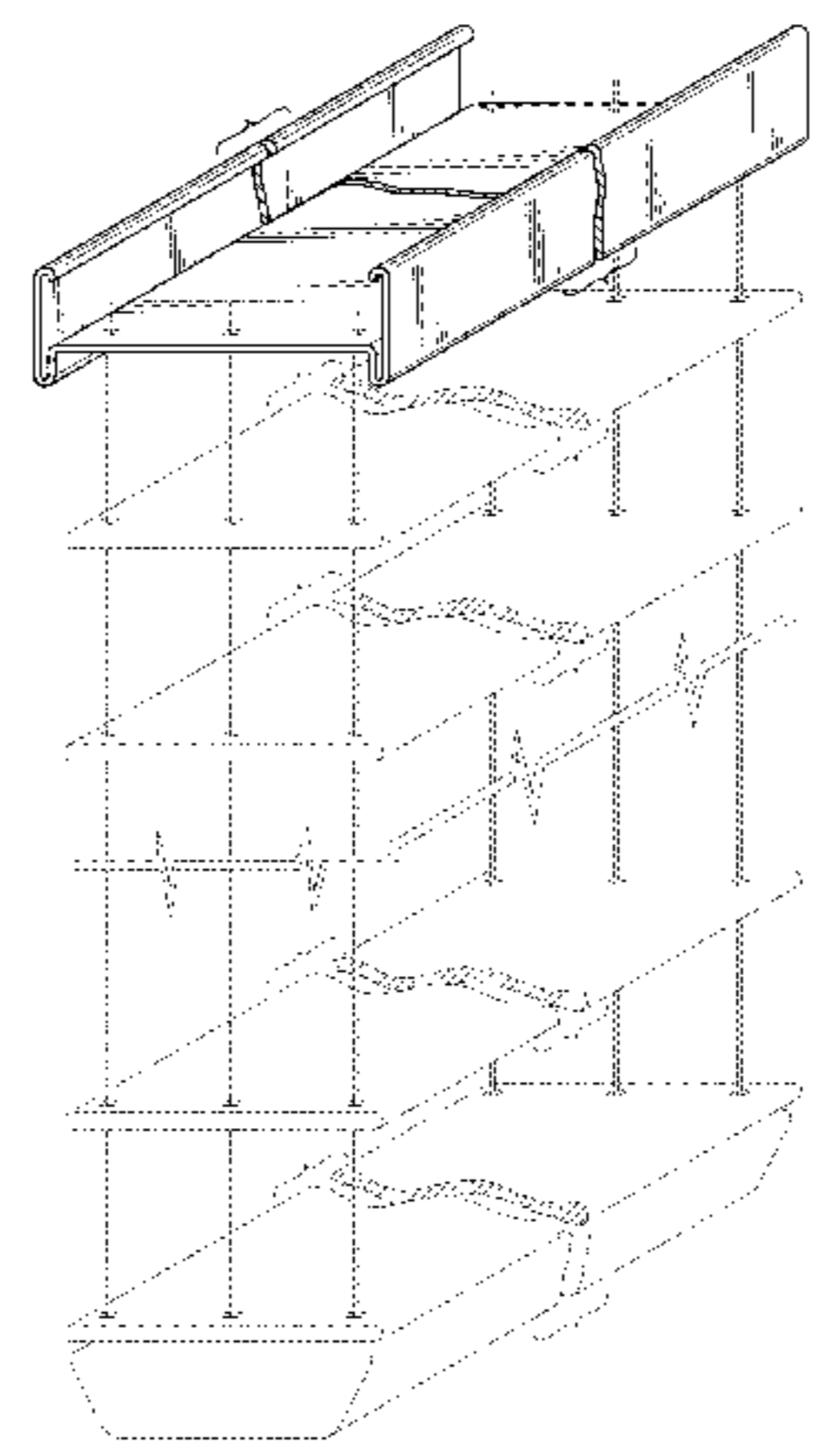
(12) **United States Design Patent** (10) **Patent No.:** **US D780,480 S**
Prince et al. (45) **Date of Patent:** **** Mar. 7, 2017**

(54) **LOW PROFILE BLIND HEAD RAIL**
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2,200,349 A	5/1940	Walker	
2,276,898 A	3/1942	Walker	
2,543,097 A	2/1951	Drefke	
2,582,301 A	1/1952	Walker	
2,687,770 A	8/1954	Walker	
2,748,852 A	6/1956	Akerstrom	
2,754,898 A	7/1956	Walker	
2,759,535 A	8/1956	Berglind	
2,877,487 A	3/1959	Haislip	
3,682,816 A	8/1972	Yovanovich	
3,795,266 A	3/1974	Debs	
3,857,914 A	12/1974	Aishima et al.	
4,107,247 A	8/1978	Dukess	
4,173,247 A	11/1979	Piana	
4,276,954 A	7/1981	Romano	
4,333,510 A	6/1982	Fox	
4,343,340 A	8/1982	Paule	
4,462,778 A	7/1984	Calcagni	
4,643,238 A	2/1987	Tachikawa et al.	
4,719,955 A *	1/1988	Tachikawa et al. ...	160/168.1 R
4,818,590 A	4/1989	Prince et al.	
4,884,616 A	12/1989	Setele	
4,889,669 A	12/1989	Suzuki	
4,942,084 A	7/1990	Prince	
4,947,921 A *	8/1990	Chun-cheng	160/176.1 R
5,029,413 A	7/1991	Jovanovic	
5,102,598 A	4/1992	Chen	
5,121,785 A	6/1992	Ohsumi	
5,123,472 A	6/1992	Nagashima et al.	
5,141,042 A	8/1992	Schwaegerle	
5,209,282 A	5/1993	Franco et al.	
5,303,507 A	4/1994	Oille	
5,343,924 A	9/1994	Hoffman	
5,368,458 A	11/1994	Addeo et al.	
5,379,551 A	1/1995	Swapp	
D355,093 S *	2/1995	Morris	D6/580
5,474,118 A	12/1995	Hoffman	
5,496,630 A	3/1996	Hawrylko et al.	
5,515,902 A	5/1996	Hoffman	
5,533,560 A *	7/1996	Morris	160/178.1 R
D372,828 S *	8/1996	Sticker	D6/577
5,597,027 A	1/1997	Simon et al.	
5,655,589 A	8/1997	Vartanian	
D385,449 S *	10/1997	Morris	D6/580
5,778,956 A	7/1998	Judkins	
5,797,442 A	8/1998	Colson et al.	
5,807,514 A	9/1998	Grinshpun et al.	
5,845,691 A	12/1998	Gaines	
5,883,143 A	3/1999	Eiben et al.	
D409,869 S	5/1999	Marusak	
5,934,351 A	8/1999	Bharucha et al.	
5,941,021 A	8/1999	Valls, Jr. et al.	
5,945,048 A	8/1999	Ensinger	

(56) **References Cited**
 U.S. PATENT DOCUMENTS

1,639,474 A	8/1927	Whitmore
1,807,061 A	5/1931	Dunn
2,017,541 A	10/1935	Kuyper
2,064,443 A	12/1936	Moore
2,068,977 A	1/1937	Dodge
2,072,835 A	3/1937	Dodge
2,090,145 A	8/1937	Pierce
2,091,012 A	8/1937	Pratt
2,111,979 A	3/1938	Lawson et al.
2,122,224 A	6/1938	Wade et al.
2,142,629 A	1/1939	Clark, Jr.
2,156,163 A	4/1939	Pierce



D413,475	S	9/1999	Swapp	
6,006,816	A	12/1999	Biro et al.	
6,041,847	A	3/2000	Lai	
6,083,601	A	7/2000	Prince et al.	
6,105,657	A	8/2000	Zorbas	
6,192,964	B1	2/2001	Cianci et al.	
6,226,922	B1	5/2001	Swapp	
6,296,037	B1	10/2001	Ruggles	
6,302,181	B1	10/2001	Rupel	
6,394,170	B1	5/2002	Hsu	
6,499,264	B2	12/2002	Swapp	
6,505,667	B2	1/2003	Levy et al.	
D472,418	S	4/2003	Gilmore et al.	
6,571,853	B1	6/2003	Ciucia et al.	
6,583,189	B1	6/2003	King	
6,592,789	B2	7/2003	Barsby	
6,601,637	B2	8/2003	Toti	
6,615,895	B2	9/2003	Marocco	
D480,250	S *	10/2003	Nainee	D6/580
D481,575	S	11/2003	Steinberg	
6,673,176	B2	1/2004	Rupel	
6,688,373	B2	2/2004	Corey et al.	
6,772,815	B1	8/2004	Judkins	
6,880,588	B2	4/2005	Barsby	
6,991,020	B1	1/2006	Cheng et al.	
7,021,359	B2	4/2006	Yu et al.	
D541,094	S *	4/2007	Yu et al.	D6/580
D554,422	S *	11/2007	Lin	D6/580
7,360,573	B2 *	4/2008	Yu et al.	160/84.05
D595,078	S *	6/2009	Kollman et al.	D6/580
D595,984	S *	7/2009	Kollman et al.	D6/580
D600,484	S *	9/2009	Anderson et al.	D6/580
7,950,437	B2	5/2011	Lin	
9,303,451	B2	4/2016	Prince et al.	
2001/0040014	A1	11/2001	Green et al.	
2001/0054490	A1	12/2001	Corey et al.	
2002/0040770	A1	4/2002	Colson et al.	
2003/0168183	A1	9/2003	Franco et al.	
2003/0205336	A1	11/2003	Marocco	
2003/0205339	A1	11/2003	Colson et al.	
2004/0123959	A1	7/2004	Toti	
2004/0154755	A1	8/2004	Judkins	
2004/0154758	A1	8/2004	Cheng et al.	
2004/0231803	A1	11/2004	Cheng et al.	
2005/0022947	A1	2/2005	Yu et al.	
2006/0022376	A1	2/2006	Prince et al.	
2006/0113046	A1	6/2006	Prince et al.	
2007/0023151	A1	2/2007	Judkins	
2010/0084099	A1	4/2010	Chou	
2012/0111509	A1	5/2012	Mullet et al.	
2012/0261852	A1	10/2012	King et al.	
2014/0238622	A1	8/2014	Patterson et al.	
2014/0246156	A1	9/2014	Dorny et al.	

FOREIGN PATENT DOCUMENTS

EP	2284351	A1	2/2011
JP	07040989	U	7/1995
WO	WO 02/06619	A1	1/2002
WO	WO 2005/112585	A2	12/2005
WO	WO 2006/096188	A2	9/2006
WO	WO 2009/149708	A1	12/2009
WO	WO 2014/131022	A1	8/2014
WO	WO 2014/131057	A1	8/2014
WO	WO 2014/134074	A1	9/2014

OTHER PUBLICATIONS

Eaves, "Polymer Foams: Trends in Use and Technology", Rapra Technology Limited, as accessed on Apr. 12, 2011, p. 1, <http://books.google.com/books?id=B9HtOnU0DzMC&printsec=frontcover>

&dq=Polymer+Foams:+Trends+in+Use+and+Technology&hl=en
&ei=ObekTaiHEpGasAPfirH6DA&sa=X&oi=bookresult
&ct=result&resnum=1&ved=0CDkQ6AEwAA#v=onepage&q
&f=false.
CDC, "Isocyanates, NIOSH Workplace Safety and Health Topic",
Publication No. 2008-109 (Jan. 2008), pp. 1-5, as accessed on Apr.
12, 2011, <http://www.cdc.gov/niosh/topics/isocyanates/>.

* cited by examiner

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(57) CLAIM

The ornamental design for a low profile blind head rail, as
shown and described.

DESCRIPTION

FIG. 1 is a front, right side, perspective view showing a first
representative embodiment of our new low profile blind
head rail design in a position of use, wherein the front, left
side, perspective view is a mirror image thereof;
FIG. 2 is right elevation view of the embodiment shown in
FIG. 1, the left elevation view being a mirror image thereof;
FIG. 3 is a front elevation view of the embodiment shown
in FIG. 1, the back elevation view being a mirror image
thereof;
FIG. 4 is a top plan view of the embodiment shown in FIG.
1;
FIG. 5 is a bottom plan view of the embodiment shown in
FIG. 1;
FIG. 6 is a front, right side, perspective view showing a
second representative embodiment of the low profile blind
head rail design in a position of use, wherein the front, left
side, perspective view is a mirror image thereof;
FIG. 7 is right elevation view of the embodiment shown in
FIG. 6, the left elevation view being a mirror image thereof;
FIG. 8 is a front elevation view of the embodiment shown
in FIG. 6;
FIG. 9 is a back elevation view of the embodiment shown in
FIG. 6;
FIG. 10 is a top plan view of the embodiment shown in FIG.
6; and,
FIG. 11 is a bottom plan view of the embodiment shown in
FIG. 6.

The broken lines in FIGS. 1-3 and 6-9 showing blind slats,
cords, and weights and a bottom rail depict environmental
subject matter that forms no part of the claimed design.

The low profile blind head rail in FIGS. 1, 3-6, and 8-11 is
shown with a symbolic break in its width. The appearance of
any portions of the article between the break lines forms no
part of the claimed design.

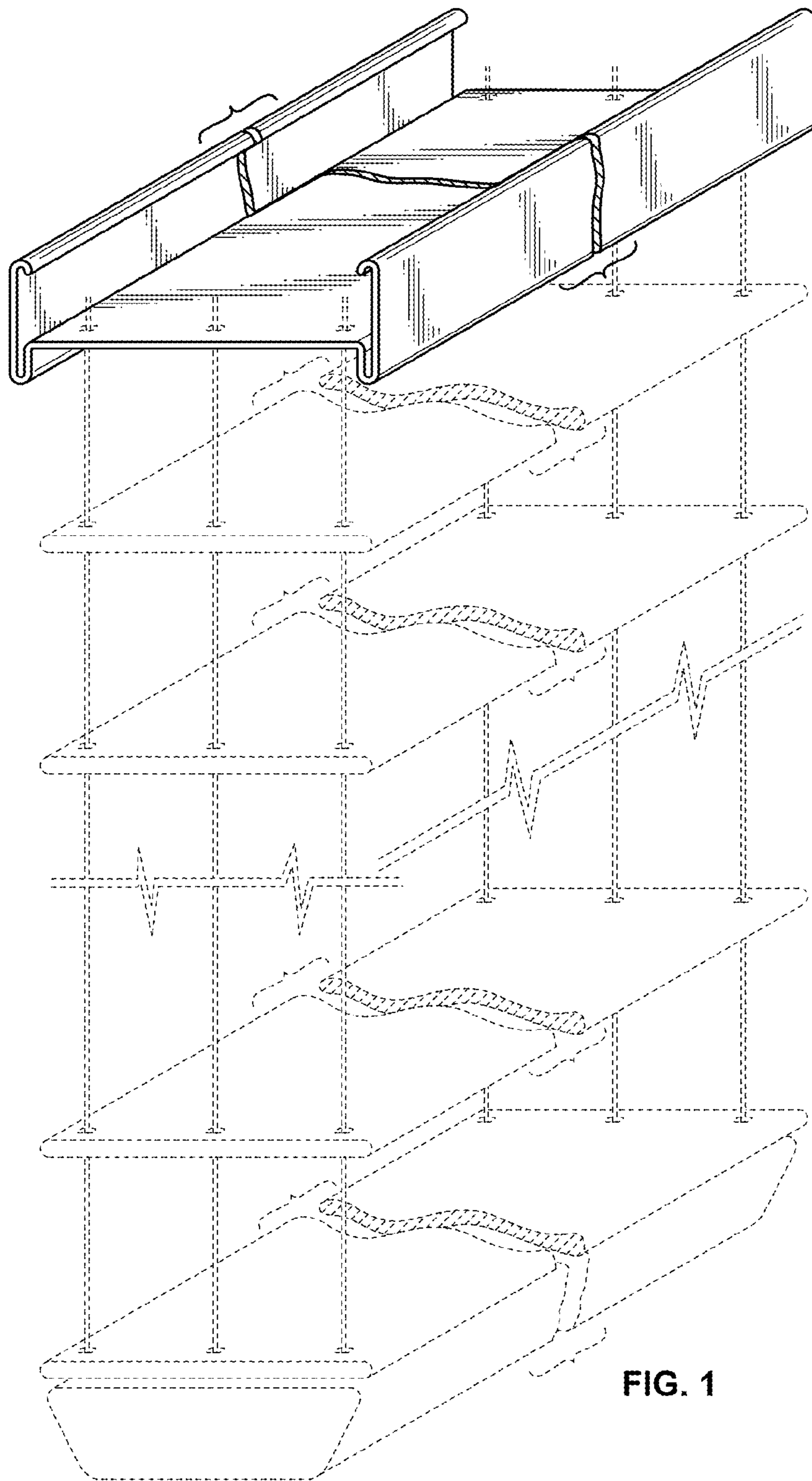


FIG. 1

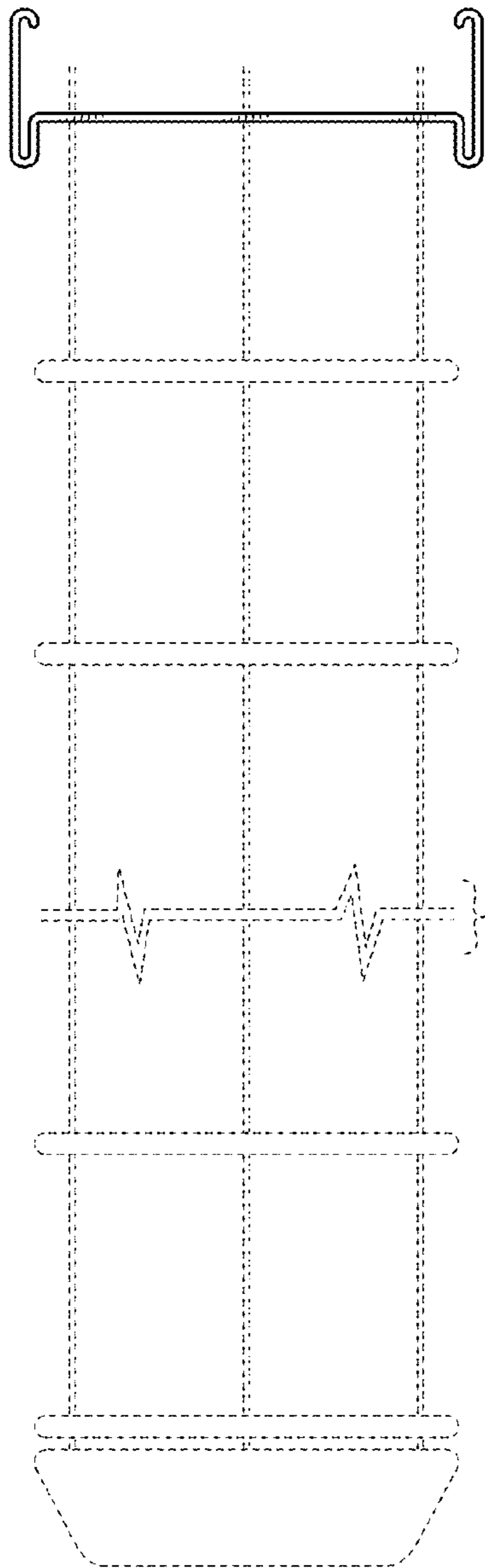


FIG. 2

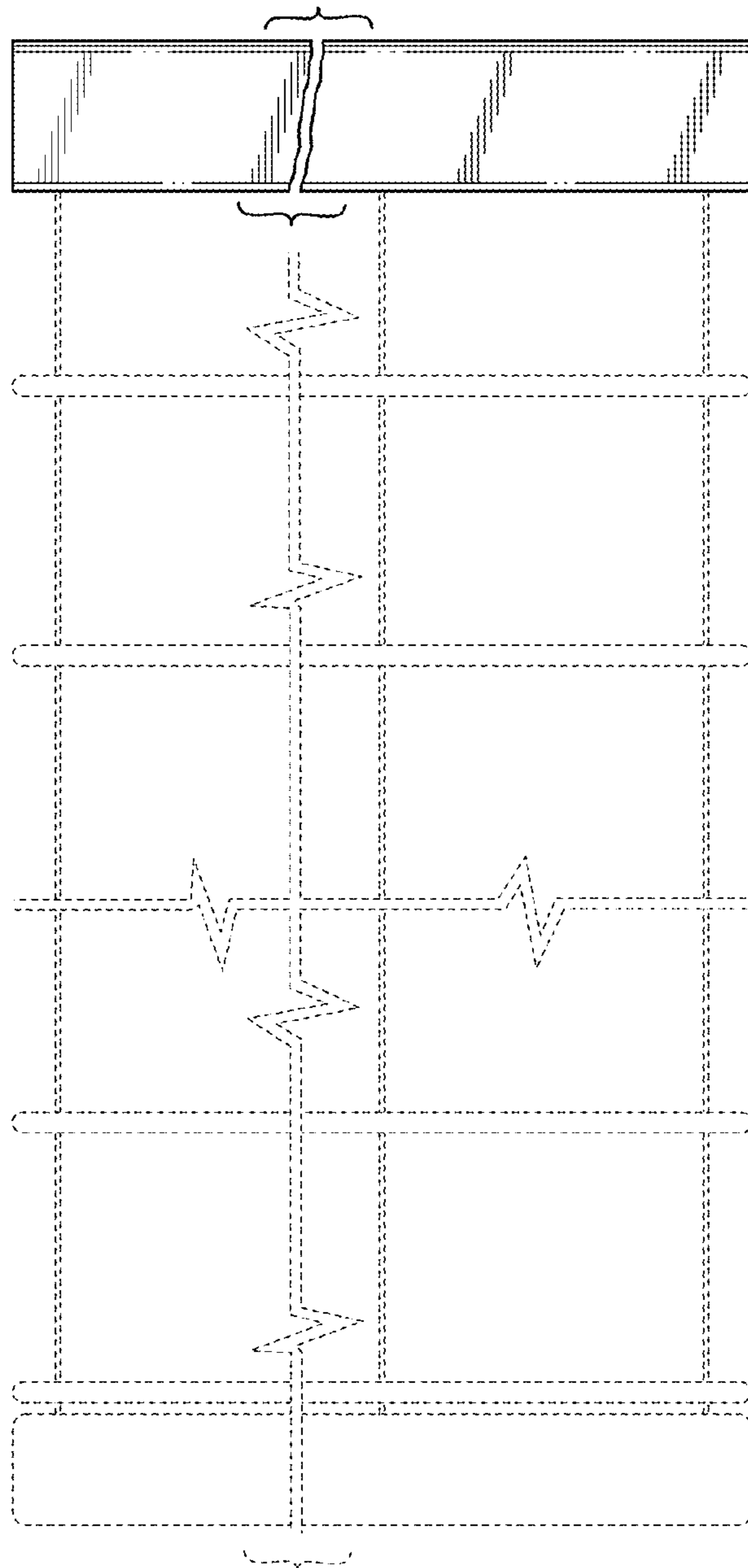


FIG. 3

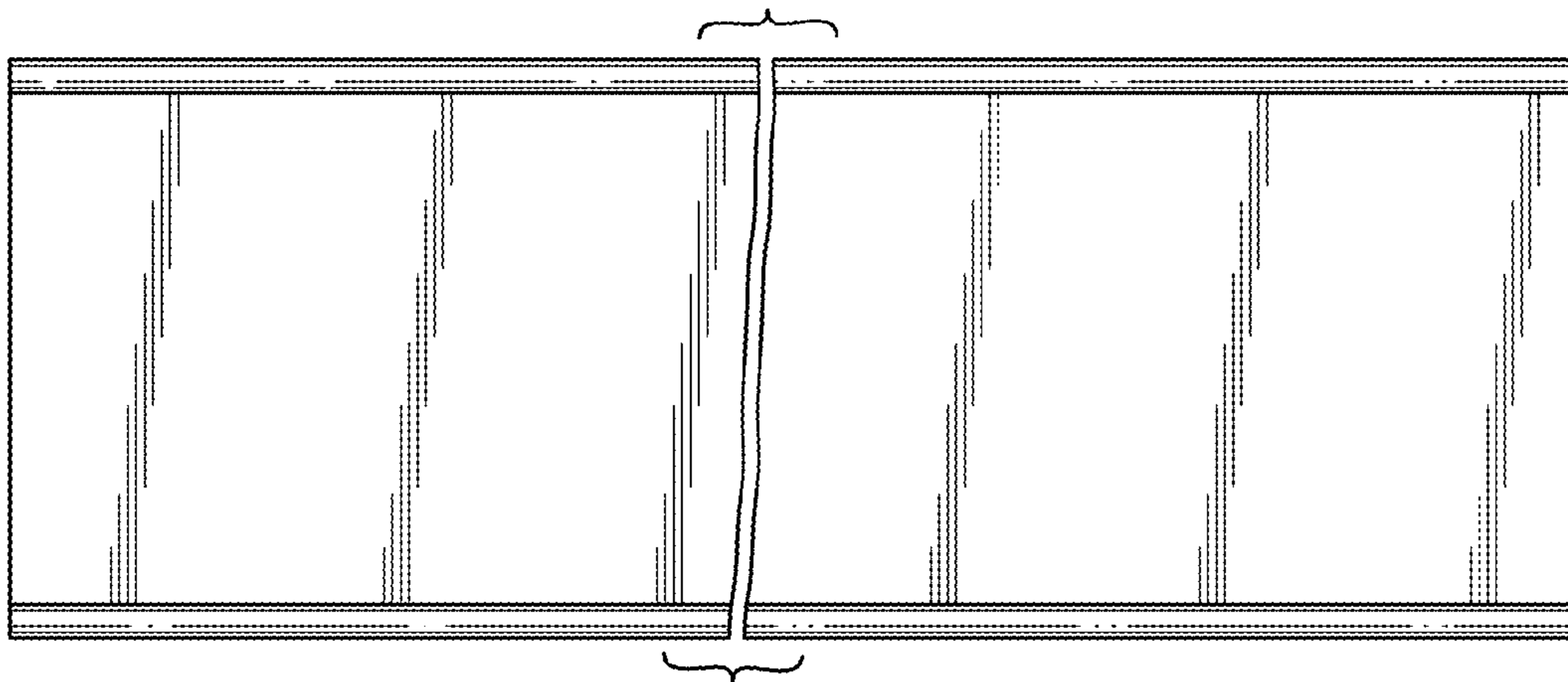


FIG. 4

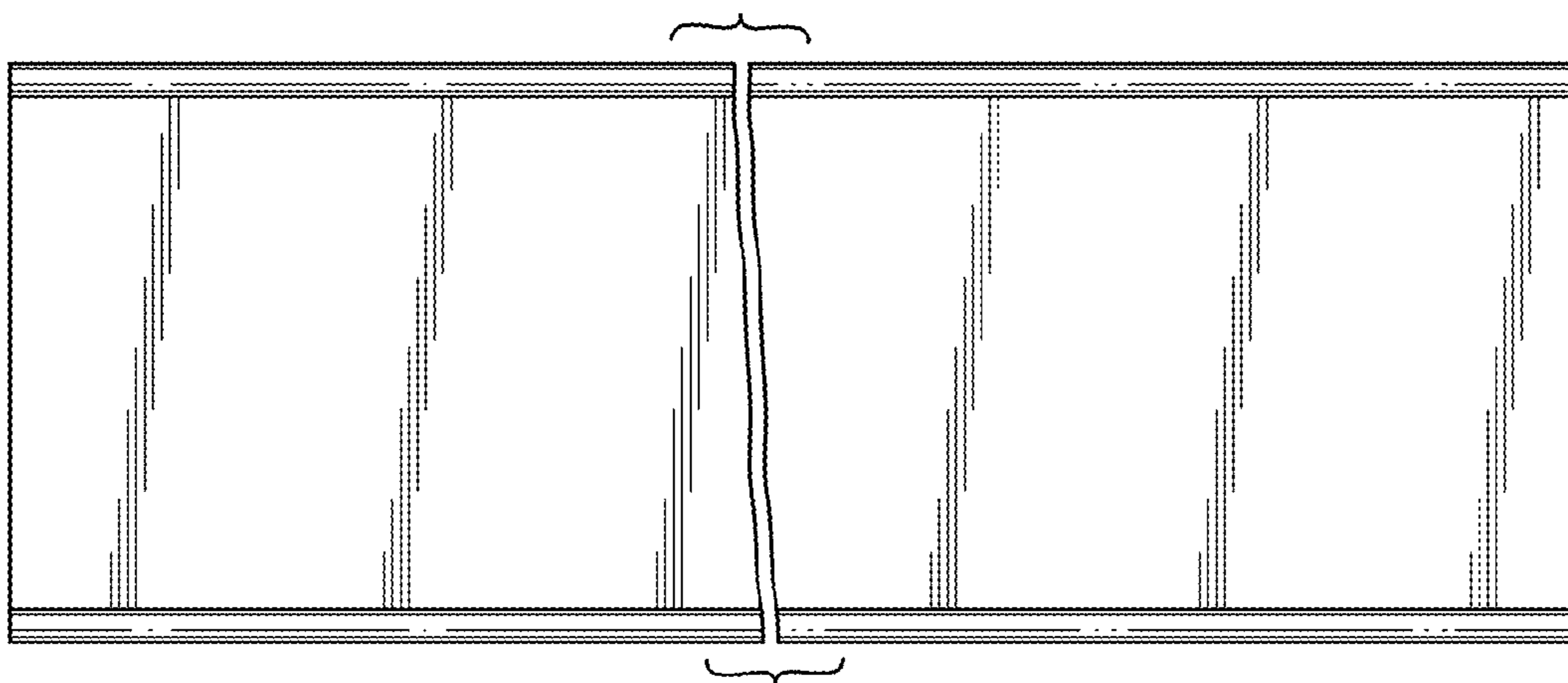


FIG. 5

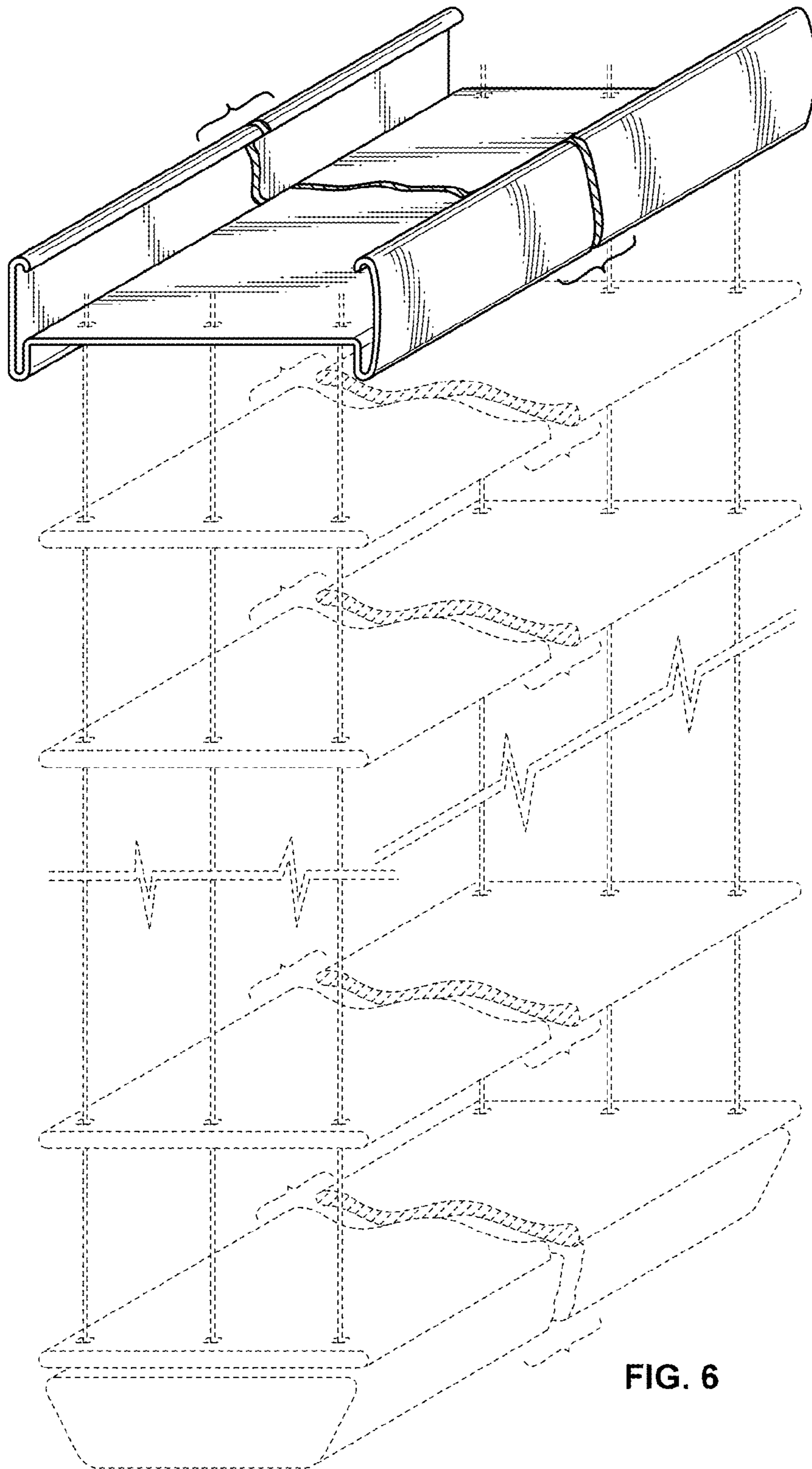


FIG. 6

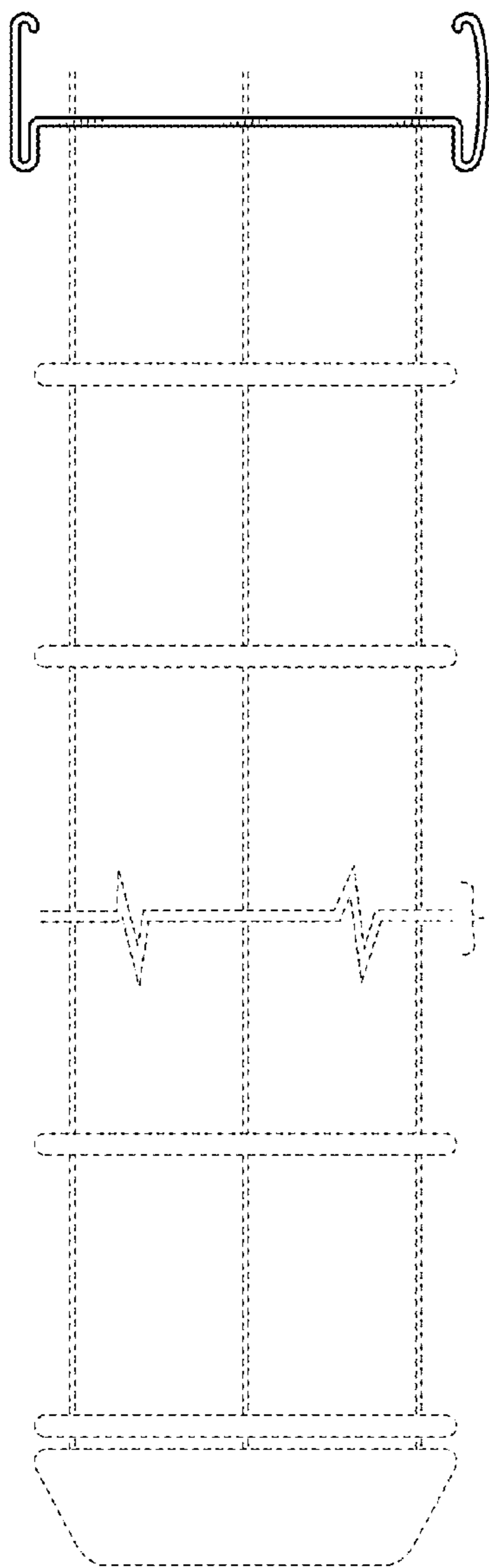


FIG. 7

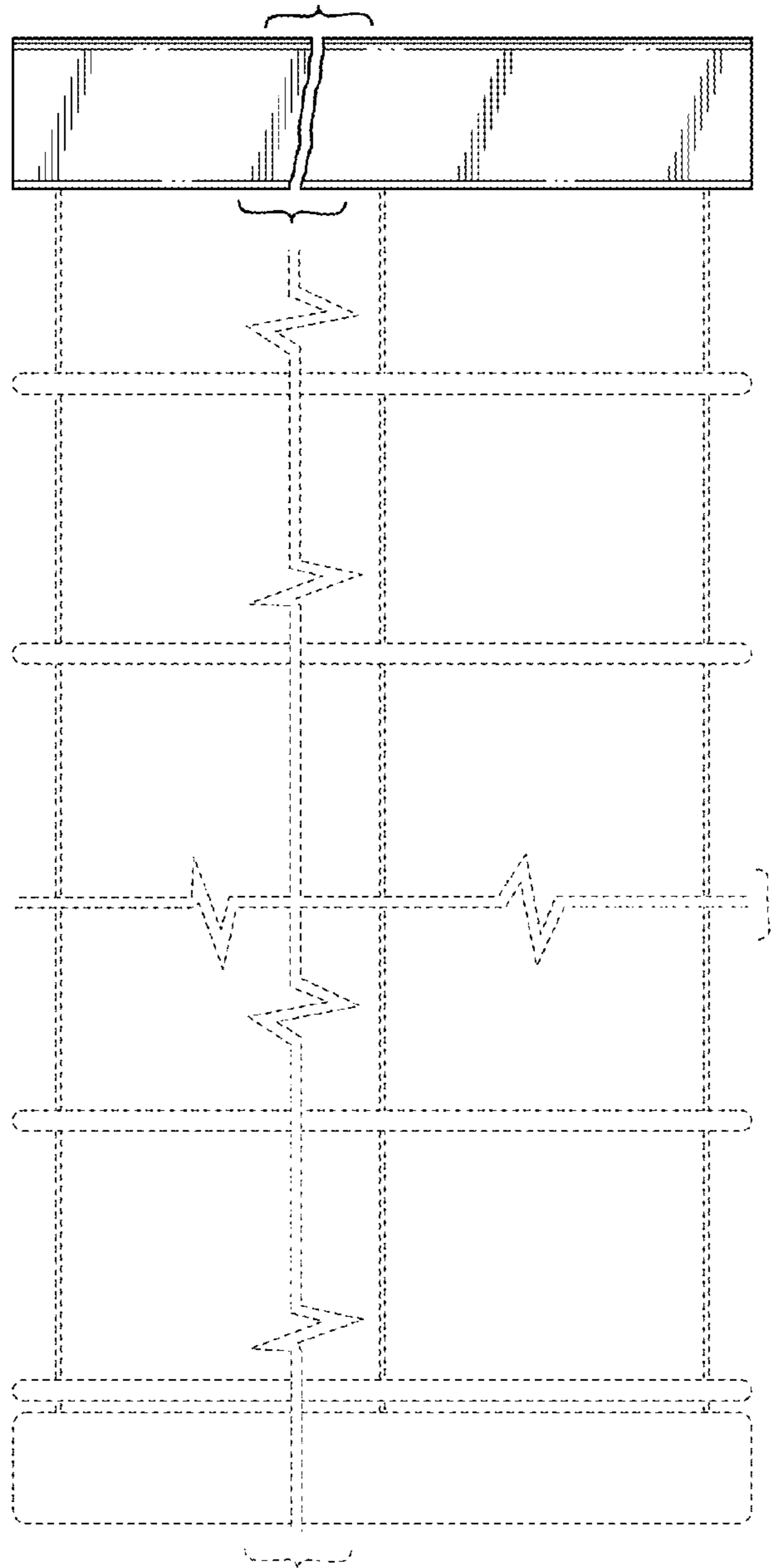


FIG. 8

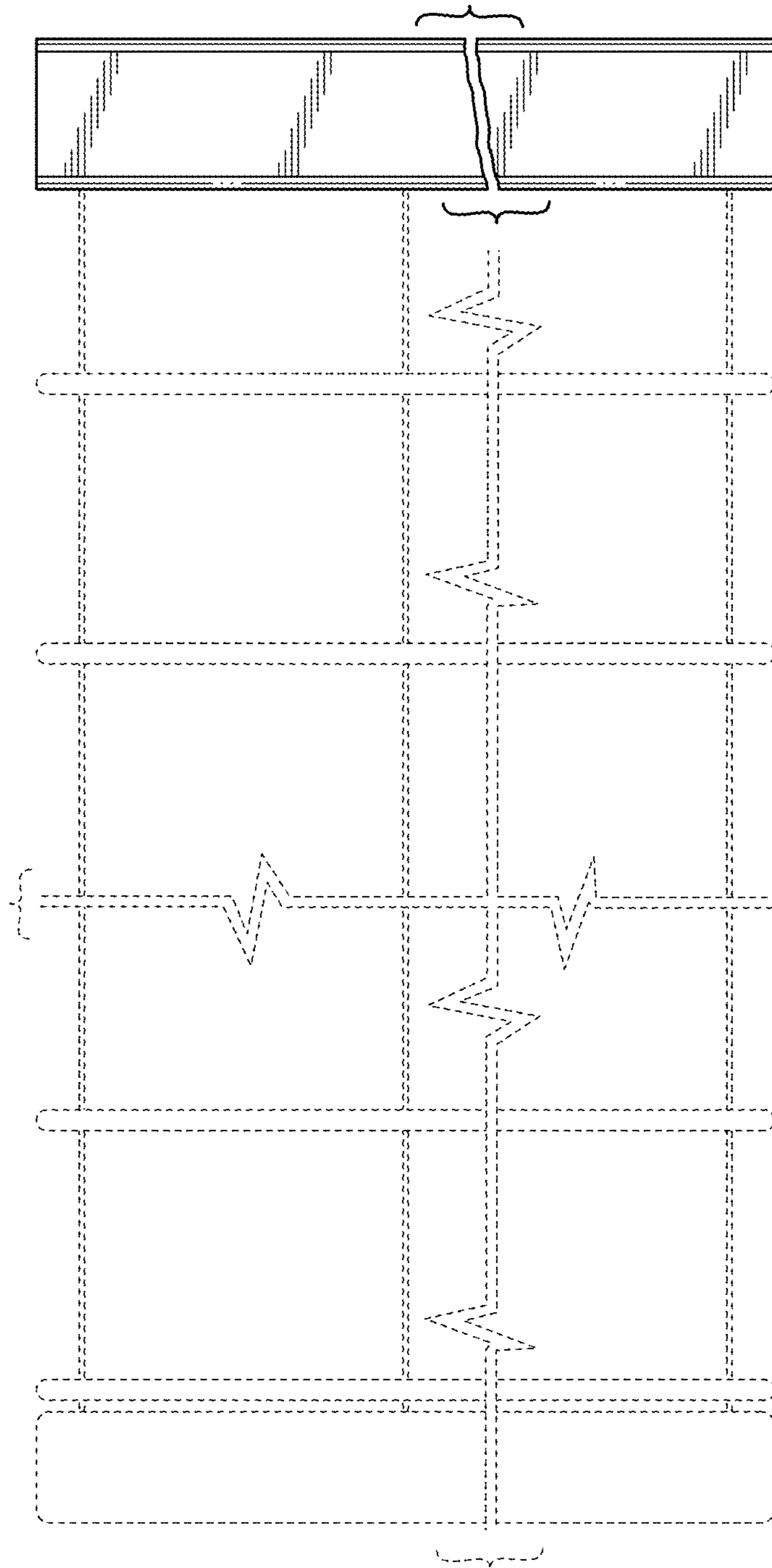


FIG. 9

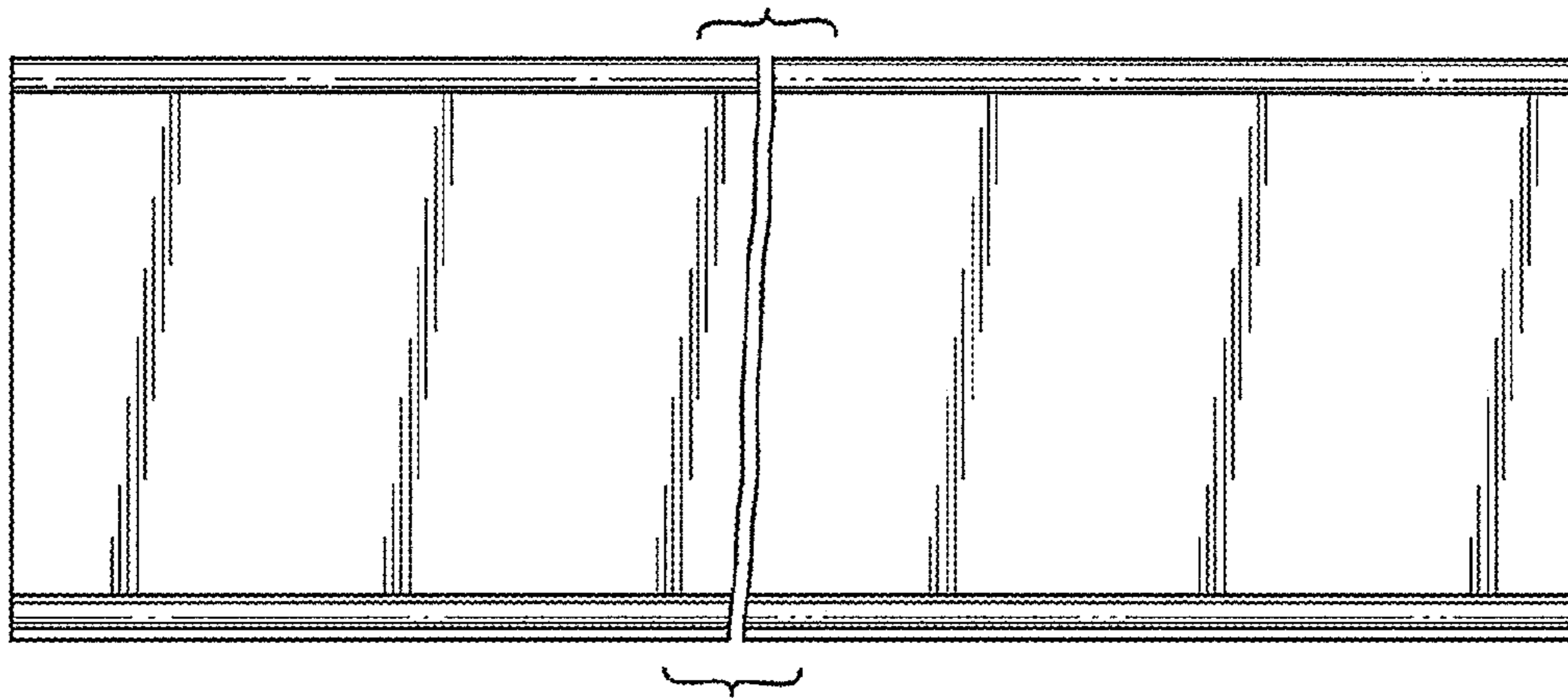


FIG. 10

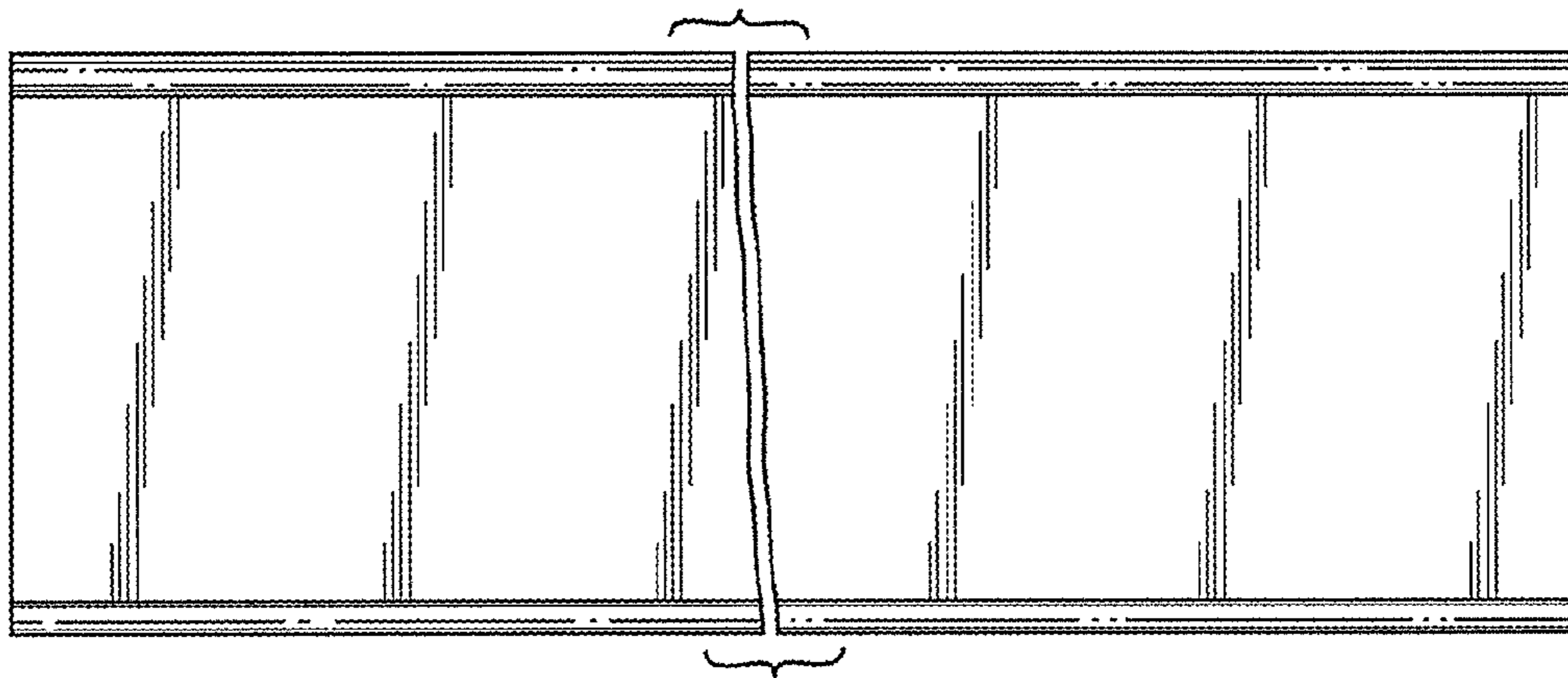


FIG. 11