



US00D930810S

(12) **United States Design Patent** (10) **Patent No.:** **US D930,810 S**
Daniels (45) **Date of Patent:** **** Sep. 14, 2021**

(54) **ROOF VENT**

OTHER PUBLICATIONS

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(Continued)

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

Primary Examiner — Charles D Hanson

(21) Appl. No.: **29/674,599**

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(22) Filed: **Dec. 21, 2018**

(57) **CLAIM**

Related U.S. Application Data

I claim the ornamental design for a roof vent, as shown and described.

(63) Continuation-in-part of application No. 16/229,633, filed on Dec. 21, 2018, and a continuation-in-part of application No. 29/618,892, filed on Sep. 25, 2017, which is a continuation-in-part of application No. 29/546,178, filed on Nov. 19, 2015, now Pat. No. Des. 841,797, application No. 29/674,599, filed on Dec. 21, 2018, which is a continuation-in-part of application No. 29/546,178.

DESCRIPTION

(51) **LOC (13) Cl.** **23-02**

FIG. 1 is a top perspective view of an M roof vent; FIG. 2 is a bottom perspective view of the roof vent of FIG. 1;

(52) **U.S. Cl.**
USPC **D23/393**

FIG. 3 is a front view of the roof vent of FIG. 1; FIG. 4 is a rear view of the roof vent of FIG. 1;

(58) **Field of Classification Search**
USPC D23/387, 354, 419, 393
CPC F24F 7/00; F24F 7/02
See application file for complete search history.

FIG. 5 is a right side view of the roof vent of FIG. 1; FIG. 6 is a left side view of the roof vent of FIG. 1;

(56) **References Cited**

U.S. PATENT DOCUMENTS

FIG. 7 is a top view of the roof vent of FIG. 1; FIG. 8 is a bottom view of the roof vent of FIG. 1;

D30,059 S 1/1899 Tracy
2,299,317 A 10/1942 Fink
2,300,842 A 11/1942 Leslie
D134,477 S 12/1942 Leslie

FIG. 9 is a top perspective view of another embodiment of the M roof vent in FIG. 1, with a discontinuous lip;

(Continued)

FIG. 10 is a front view of the roof vent of FIG. 9; and, FIG. 11 is a right side view of the roof vent of FIG. 9,

FOREIGN PATENT DOCUMENTS

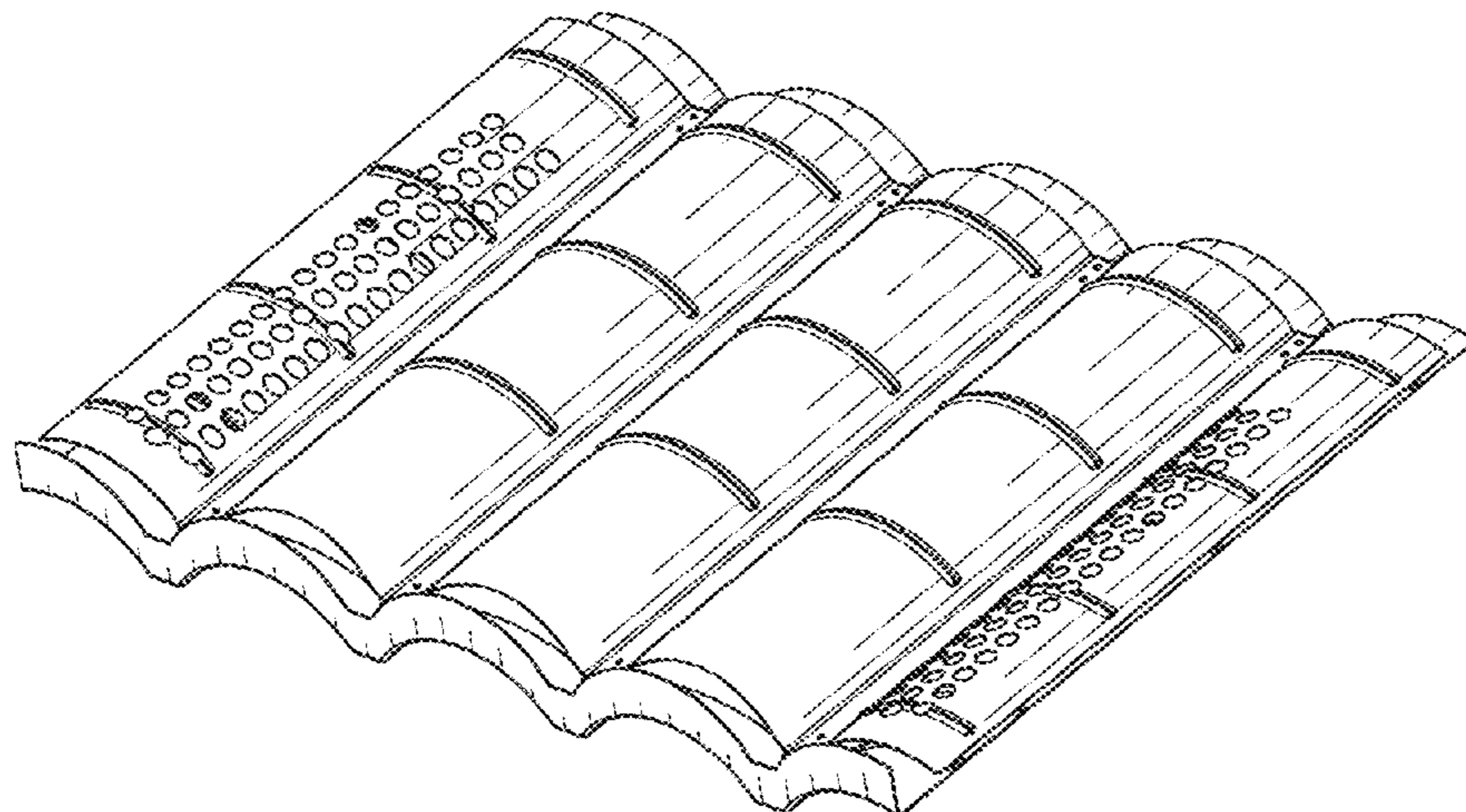
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DE 198 23 356 11/1999

wherein the left side view is a mirror image of the right side view, and the bottom perspective view, rear view, and bottom view are the same as shown in FIGS. 2, 4 and 8, respectively.

(Continued)

In the drawings, the dashed broken lines represent features that form no part of the claimed design. In the drawings, the dot-dash broken lines define the bounds of the claimed design and form no part thereof.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2,490,220 A	12/1949	Leslie	5,133,810 A	7/1992	Morizane et al.
2,551,223 A	5/1951	Schneider	D332,139 S	12/1992	Courchesne
2,638,835 A	5/1953	Strawsine	5,176,758 A	1/1993	Nath et al.
2,692,548 A	10/1954	Knorr	5,228,925 A	7/1993	Nath et al.
2,733,649 A	2/1956	Le Barron	5,232,518 A	8/1993	Nath et al.
3,027,090 A	3/1962	Zerhan, Jr.	5,238,519 A	8/1993	Nath et al.
3,083,633 A	4/1963	Hochberg	D342,129 S *	12/1993	Goetz, Jr. D23/387
D204,715 S	5/1966	Martin	5,273,608 A	12/1993	Nath
3,376,164 A	4/1968	Bachwansky	5,296,043 A	3/1994	Kawakami et al.
3,459,597 A	8/1969	Baron	5,316,592 A	5/1994	Dinwoodie
D215,940 S	11/1969	Kahn	5,326,318 A	7/1994	Rotter
D217,610 S	5/1970	Stoop	5,333,783 A	8/1994	Catan
3,553,030 A	1/1971	Lebrun	5,364,026 A	11/1994	Kundert
3,658,596 A	4/1972	Osborne	5,385,848 A	1/1995	Grimmer
3,769,091 A	10/1973	Leinkram et al.	5,391,235 A	2/1995	Inoue
3,888,697 A	6/1975	Bogus et al.	5,409,549 A	4/1995	Mori
3,895,467 A	7/1975	Clement	5,419,781 A	5/1995	Hamakawa et al.
3,951,336 A	4/1976	Miller et al.	5,437,735 A	8/1995	Younan et al.
4,040,867 A	8/1977	Forestieri et al.	5,480,494 A	1/1996	Inoue
4,051,999 A	10/1977	Granger et al.	5,486,238 A	1/1996	Nakagawa et al.
D247,510 S	3/1978	Kujawa, Jr.	5,505,788 A	4/1996	Dinwoodie
4,083,097 A	4/1978	Anagnostou et al.	5,528,229 A	6/1996	Mehta
4,097,308 A	6/1978	Klein et al.	5,549,513 A	8/1996	Thomas et al.
D249,158 S	8/1978	Morrow	D374,927 S *	10/1996	Chabot D23/386
4,108,580 A	8/1978	Felter	5,575,861 A	11/1996	Younan et al.
4,189,881 A	2/1980	Hawley	5,591,080 A	1/1997	Ward
D254,442 S	3/1980	Cervone	5,602,457 A	2/1997	Anderson et al.
4,201,121 A	5/1980	Brandenburg, Jr.	5,620,368 A	4/1997	Bates et al.
4,224,081 A	9/1980	Kawanura et al.	5,636,481 A	6/1997	De Zen
4,228,729 A	10/1980	Messick	D380,823 S	7/1997	LaZar
4,239,555 A	12/1980	Scharkack et al.	5,651,226 A	7/1997	Archibald
4,251,026 A	2/1981	Siegel et al.	5,672,101 A	9/1997	Thomas
D259,138 S	5/1981	Giles	5,697,192 A	12/1997	Inoue
D261,803 S	11/1981	Bohanon, Jr.	5,697,842 A	12/1997	Donnelly
4,314,548 A	2/1982	Hanson	5,706,617 A	1/1998	Hirai et al.
4,382,435 A	5/1983	Brill-Edwards	5,722,887 A	3/1998	Wolfson et al.
4,383,129 A	5/1983	Gupta et al.	5,738,581 A	4/1998	Rickert et al.
4,404,958 A	9/1983	Boettcher	5,740,636 A	4/1998	Archard
4,418,685 A	12/1983	Frazier	5,746,653 A	5/1998	Palmer et al.
4,432,273 A	2/1984	Devitt	5,746,839 A	5/1998	Dinwoodie
4,433,200 A	2/1984	Jester et al.	5,766,071 A	6/1998	Kirkwood
D276,261 S	11/1984	Shaftner	D397,431 S	8/1998	Meyer
4,485,264 A	11/1984	Izu et al.	5,800,631 A	9/1998	Yamada et al.
4,498,267 A	2/1985	Beck	5,816,909 A	10/1998	Wunder
4,501,194 A	2/1985	Brown	D403,755 S	1/1999	Liang
4,510,851 A	4/1985	Sarnosky et al.	5,879,232 A	3/1999	Luter, II et al.
4,574,160 A	3/1986	Cull et al.	D408,514 S	4/1999	Horng
4,594,940 A	6/1986	Wolbrink et al.	5,890,322 A	4/1999	Fears
4,602,739 A	6/1986	Sutton, Jr.	D409,741 S	5/1999	Yuen-Ming
D285,829 S	9/1986	Lock	5,968,287 A	10/1999	Nath
4,625,469 A	12/1986	Gentry et al.	5,990,414 A	11/1999	Posnansky
4,633,769 A	1/1987	Milks	6,005,236 A	12/1999	Phelan et al.
4,651,805 A	3/1987	Bergeron, Jr.	6,008,450 A	12/1999	Ohtsuka et al.
4,677,903 A	7/1987	Mathews, III	6,036,102 A	3/2000	Pearson
4,692,557 A	9/1987	Samuelson et al.	6,050,039 A	4/2000	O'Hagin
4,759,272 A	7/1988	Zaniewski	6,051,774 A	4/2000	Yoshida et al.
4,803,816 A	2/1989	Klober	D424,186 S	5/2000	Dodson
4,843,794 A	7/1989	Holtgreve	D424,672 S *	5/2000	Nanjo D23/353
4,850,166 A	7/1989	Taylor	6,061,977 A	5/2000	Toyama et al.
4,860,509 A	8/1989	Laaly et al.	6,061,978 A	5/2000	Dinwoodie et al.
4,890,546 A	1/1990	Venge	6,077,159 A	6/2000	Clayton
4,965,971 A	10/1990	Jean-Jacques et al.	6,105,317 A	8/2000	Tomiuchi et al.
4,977,818 A	12/1990	Taylor et al.	6,129,628 A	10/2000	O'Hagin et al.
4,986,469 A	1/1991	Sutton, Jr.	6,155,006 A	12/2000	Mimura et al.
D318,109 S *	7/1991	Sullivan D23/354	6,220,956 B1	4/2001	Kilian et al.
5,048,255 A	9/1991	Gonzales	D442,273 S	5/2001	Pestell
5,049,801 A	9/1991	Potter	6,241,602 B1	6/2001	Allen
5,060,444 A	10/1991	Paquette	6,242,685 B1	6/2001	Mizukami et al.
5,070,771 A	12/1991	Mankowski	6,243,995 B1	6/2001	Reeves et al.
5,078,047 A	1/1992	Wimberly	D444,869 S	7/2001	Yip
5,092,939 A	3/1992	Nath et al.	6,294,724 B1	9/2001	Sasaoka et al.
5,094,697 A	3/1992	Takabayashi et al.	6,306,030 B1	10/2001	Wilson
5,121,583 A	6/1992	Hirai et al.	D450,378 S	11/2001	Minakuchi
5,131,200 A	7/1992	McKinnon	6,311,436 B1	11/2001	Mimura et al.
5,131,888 A	7/1992	Adkins, II	6,336,304 B1	1/2002	Mimura et al.
			6,340,403 B1	1/2002	Carey et al.
			6,365,824 B1	4/2002	Nakazima et al.
			6,380,477 B1	4/2002	Curtin
			D457,234 S	5/2002	O'Hagin et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

D458,391 S	6/2002	O’Hagin et al.	D618,780 S	6/2010	Williams, Sr.
D458,392 S	6/2002	O’Hagin et al.	7,736,940 B2	6/2010	Basol
6,415,559 B1	7/2002	Reeves et al.	7,757,440 B2	7/2010	Austin et al.
6,418,678 B2	7/2002	Rotter	D625,800 S	10/2010	Daniels
6,439,466 B2	8/2002	Fikes	7,901,278 B2	3/2011	O’Hagin
6,447,390 B1	9/2002	O’Hagin	8,079,898 B1	12/2011	Stevenson
6,453,629 B1	9/2002	Nakazima et al.	D654,161 S	2/2012	Holland et al.
6,459,032 B1	10/2002	Luch	8,167,216 B2	5/2012	Schultz et al.
6,491,579 B1	12/2002	O’Hagin	8,292,707 B2	10/2012	Grisham et al.
6,501,013 B1	12/2002	Dinwoodie	8,316,592 B2	11/2012	Lanza
6,541,693 B2	4/2003	Takada et al.	D685,112 S	6/2013	Henriquez
6,553,729 B1	4/2003	Nath et al.	D685,113 S	6/2013	Henriquez
6,606,830 B2	8/2003	Nagao et al.	8,479,458 B2	7/2013	Morita et al.
D479,885 S	9/2003	O’Hagin et al.	8,535,128 B2	9/2013	Chwala
6,695,692 B1	2/2004	York	D696,392 S	12/2013	Funnell, II
D489,834 S	5/2004	Weston	8,607,510 B2	12/2013	Daniels
6,729,081 B2	5/2004	Nath et al.	8,608,533 B2	12/2013	Daniels
6,730,841 B2	5/2004	Heckeroth	D702,827 S	4/2014	Mase et al.
6,767,762 B2	7/2004	Guha	D703,305 S	4/2014	Stollenwerk O’Hagin
6,799,742 B2	10/2004	Nakamura et al.	8,701,360 B2	4/2014	Ressler
D503,156 S	3/2005	Provenzano	8,740,678 B2	6/2014	Railkar et al.
6,870,087 B1	3/2005	Gallagher	8,776,455 B2	7/2014	Azoulay
D503,790 S	4/2005	Dodge et al.	8,782,967 B2	7/2014	Daniels
D504,172 S	4/2005	O’Hagin	8,793,943 B2	8/2014	Daniels
6,875,914 B2	4/2005	Guha et al.	D713,953 S	9/2014	Jepson
D505,195 S	5/2005	Snyder	D719,253 S	12/2014	Francescon
6,928,775 B2	8/2005	Banister	9,011,221 B2	4/2015	Daniels
6,941,706 B2	9/2005	Austin et al.	D748,239 S	1/2016	Daniels
D512,774 S	12/2005	O’Hagin et al.	D755,944 S	5/2016	Daniels
D518,158 S	3/2006	Cho et al.	D766,413 S *	9/2016	Zhou D23/354
D519,219 S	4/2006	Dodge et al.	D768,276 S *	10/2016	Kim D23/354
D520,149 S	5/2006	Dodge et al.	D779,650 S	2/2017	Poehlman et al.
7,044,852 B2	5/2006	Horton	D788,281 S	5/2017	Daniels
7,053,294 B2	5/2006	Tuttle et al.	D788,902 S	6/2017	Daniels
7,097,557 B2	8/2006	Kutschman	D796,661 S	9/2017	Oswald
D527,813 S	9/2006	Dodge et al.	D810,257 S *	2/2018	Lai D23/354
D527,836 S	9/2006	O’Hagin	D812,211 S *	3/2018	Daniels D23/371
7,101,279 B2	9/2006	O’Hagin et al.	D841,797 S *	2/2019	Daniels D23/393
D536,778 S	2/2007	O’Hagin	D891,604 S	7/2020	Daniels
D537,519 S	2/2007	Sigillo	2001/0027804 A1	10/2001	Inoue et al.
7,176,543 B2	2/2007	Beernink	2001/0040201 A1	11/2001	Paxton
7,178,295 B2	2/2007	Dinwoodie	2002/0036010 A1	3/2002	Yamawaki et al.
D538,422 S *	3/2007	Hooijmaaijers D23/387	2002/0104562 A1	8/2002	Emoto et al.
7,250,000 B2	7/2007	Daniels, II	2003/0000158 A1	1/2003	Borges
D549,316 S	8/2007	O’Hagin et al.	2003/0159802 A1	8/2003	Steneby et al.
D555,237 S	11/2007	O’Hagin	2004/0031219 A1	2/2004	Banister
7,320,774 B2	1/2008	Simmons et al.	2004/0098932 A1	5/2004	Broatch
D562,440 S *	2/2008	Negrao D23/354	2004/0074915 A1	4/2005	Tuttle et al.
D562,993 S	2/2008	Shepherd et al.	2005/0127379 A1	6/2005	Nakata
7,365,266 B2	4/2008	Heckeroth	2005/0130581 A1	6/2005	Dodge
D578,633 S	10/2008	Schluter et al.	2005/0144963 A1	7/2005	Peterson et al.
D579,096 S	10/2008	Guzorek	2005/0176270 A1	8/2005	Luch
D580,542 S	11/2008	Miyake	2005/0178429 A1	8/2005	McCaskill et al.
D582,905 S	12/2008	Takisawa et al.	2005/0191957 A1	9/2005	Demetry et al.
7,469,508 B2	12/2008	Ceria	2005/0233691 A1	10/2005	Horton
7,470,179 B1	12/2008	Ritter et al.	2005/0239393 A1	10/2005	Reese
D588,255 S	3/2009	Daniels	2005/0239394 A1	10/2005	O’Hagin
D588,256 S	3/2009	Daniels	2005/0263178 A1	12/2005	Montello et al.
D589,134 S	3/2009	O’Hagin et al.	2005/0263179 A1	12/2005	Gaudiana et al.
7,497,774 B2	3/2009	Stevenson et al.	2005/0263180 A1	12/2005	Montello et al.
7,506,477 B2	3/2009	Flaherty et al.	2005/0274408 A1	12/2005	Li et al.
7,507,151 B1	3/2009	Parker et al.	2006/0017154 A1	1/2006	Eguchi et al.
7,509,775 B2	3/2009	Flaherty et al.	2006/0032527 A1	2/2006	Stevens et al.
7,517,465 B2	4/2009	Guha et al.	2006/0052047 A1	3/2006	Daniels, II
7,531,740 B2	4/2009	Flaherty et al.	2006/0052051 A1	3/2006	Daniels
D593,193 S	5/2009	Jackson	2006/0086384 A1	4/2006	Nakata
D595,402 S	6/2009	Miyake	2006/0124827 A1	6/2006	Janus et al.
7,578,102 B2	8/2009	Banister	2006/0199527 A1	9/2006	Peters
D601,237 S *	9/2009	Nishio D23/354	2006/0223437 A1	10/2006	O’Hagin
7,587,864 B2	9/2009	McCaskill et al.	2007/0049190 A1	3/2007	Singh
7,618,310 B2	11/2009	Daniels	2007/0066216 A1	3/2007	McIntire
7,642,449 B2	1/2010	Korman et al.	2007/0067063 A1	3/2007	Ahmed
D610,245 S	2/2010	Daniels	2007/0072541 A1	3/2007	Daniels et al.
D612,040 S	3/2010	Daniels	2007/0084501 A1	4/2007	Kalberlah et al.
7,678,990 B2	3/2010	McCaskill et al.	2007/0094953 A1	5/2007	Galeazzo et al.
			2007/0173191 A1	7/2007	Daniels, II
			2007/0178827 A1	8/2007	Erni
			2007/0184775 A1	8/2007	Perkins
			2007/0207725 A1	9/2007	O’Hagin

(56)

References Cited

FOREIGN PATENT DOCUMENTS

U.S. PATENT DOCUMENTS

2007/0243820 A1 10/2007 O'Hagin
 2007/0246095 A1 10/2007 Schaefer
 2008/0040990 A1 2/2008 Vendig et al.
 2008/0098672 A1 5/2008 O'Hagin et al.
 2008/0163576 A1 7/2008 Oaten
 2008/0220714 A1 9/2008 Caruso et al.
 2008/0287053 A1 11/2008 Carlson et al.
 2008/0287054 A1 11/2008 Carlson et al.
 2008/0299892 A1 12/2008 Robinson
 2009/0203308 A1 8/2009 O'Hagin
 2009/0253368 A1 10/2009 Rotter
 2009/0286463 A1 11/2009 Daniels
 2009/0311959 A1 12/2009 Shepherd
 2009/0320381 A1 12/2009 Gerig
 2010/0064605 A1 3/2010 Corvaglia et al.
 2010/0068985 A1 3/2010 Park
 2010/0229940 A1 9/2010 Basol
 2010/0287852 A1 11/2010 Bortoletto
 2010/0300128 A1 12/2010 Chen
 2010/0330898 A1 12/2010 Daniels
 2011/0294412 A1 12/2011 Vagedes
 2012/0110924 A1 5/2012 Makin
 2012/0151856 A1 6/2012 Azoulay
 2012/0178357 A1 7/2012 Rheume
 2012/0190288 A1 7/2012 Willen
 2012/0252348 A1 10/2012 Rheume
 2012/0322359 A1 12/2012 Chen et al.
 2013/0019548 A1 1/2013 Daniels
 2013/0040553 A1 2/2013 Potter
 2013/0078903 A1 3/2013 Mantyla et al.
 2013/0247480 A1 9/2013 Ridgway
 2014/0065944 A1 3/2014 Chamness
 2014/0099878 A1 4/2014 Daniels
 2014/0248834 A1 9/2014 Kolt et al.
 2015/0143760 A1 5/2015 Daniels
 2015/0253021 A1 9/2015 Daniels
 2018/0216845 A1 8/2018 Whitehead
 2020/0200411 A1 6/2020 Daniels

GB 2183819 6/1987
 GB 2279453 1/1995
 GB 2345536 7/2000
 JP 59-060138 4/1984
 JP H06 13304 U 2/1994
 JP 06-241517 8/1994
 JP 06-272920 9/1994
 JP 09-158428 6/1997
 JP 10-061133 3/1998
 JP 11-044035 2/1999
 JP 11-229576 8/1999
 JP 2000-274032 10/2000
 JP 2002/357344 12/2002
 JP 2004-092298 3/2004
 JP 2007-534924 11/2007
 WO WO 05/108708 11/2005
 WO WO 2013/106882 7/2013

OTHER PUBLICATIONS

International Search Report for PCT/US2014/060964 dated Jan. 29, 2015.
 Flat-Type Vent. Formfomts.com[online] 1 page. Designed/built 2008 [retrieved on Feb. 12, 2015]. <https://www.formfonts.com/3D-Model/11_030/1_/b3020-roof-openings/b3020-roof-openings/b3020-roof-openings/b3020-roof-openings/b3020-roof-openings/ohagins-concrete-tile-vent-type-flat/>.
 Roof Vents. (1/8—Designs—© Questel). orbit.com [online PDF] 27 pages. Uploaded 2014 [retrieved on Feb. 12, 2015]. Retrieved from Internet: <<http://sobjprd.questel.fr/exportIQPTUJ214/pdf2/5f7850eaf617-4548-bc47-08c3edb41caO-222833.pdf>>.
 S-Type Vent. Formfomts.com[online] 1 page. Designed/built 2008 [retrieved on Feb. 12, 2015]. <http://www.formfonts.com/3D-Model/11_032/shell/b30-roofing/b301_0-roof-coverings/b3020-roof-openings/ohagins-concrete-tile-vent-type/>.
 M-Type Vent. Formfomts.com[online] 1 page. Designed/built 2008 [retrieved on Feb. 12, 2015]. <https://www.formfonts.com/3D-Model/1_11031/1_/shell/b30-roofing/b301_0-roof-coverings/b3020-roof-openings/ohagins-concrete-tile-vent-type-config/>.

* cited by examiner

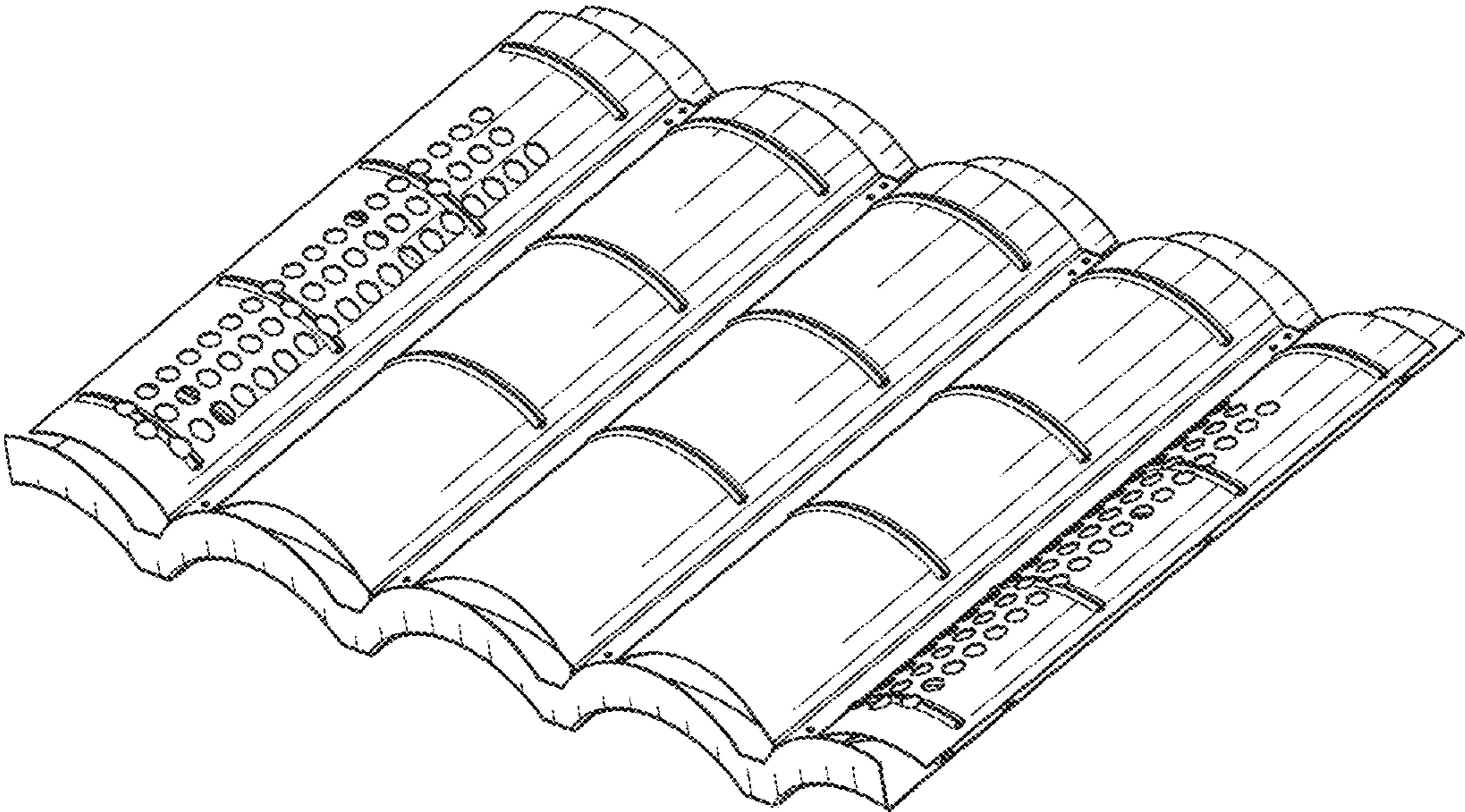


FIG. 1

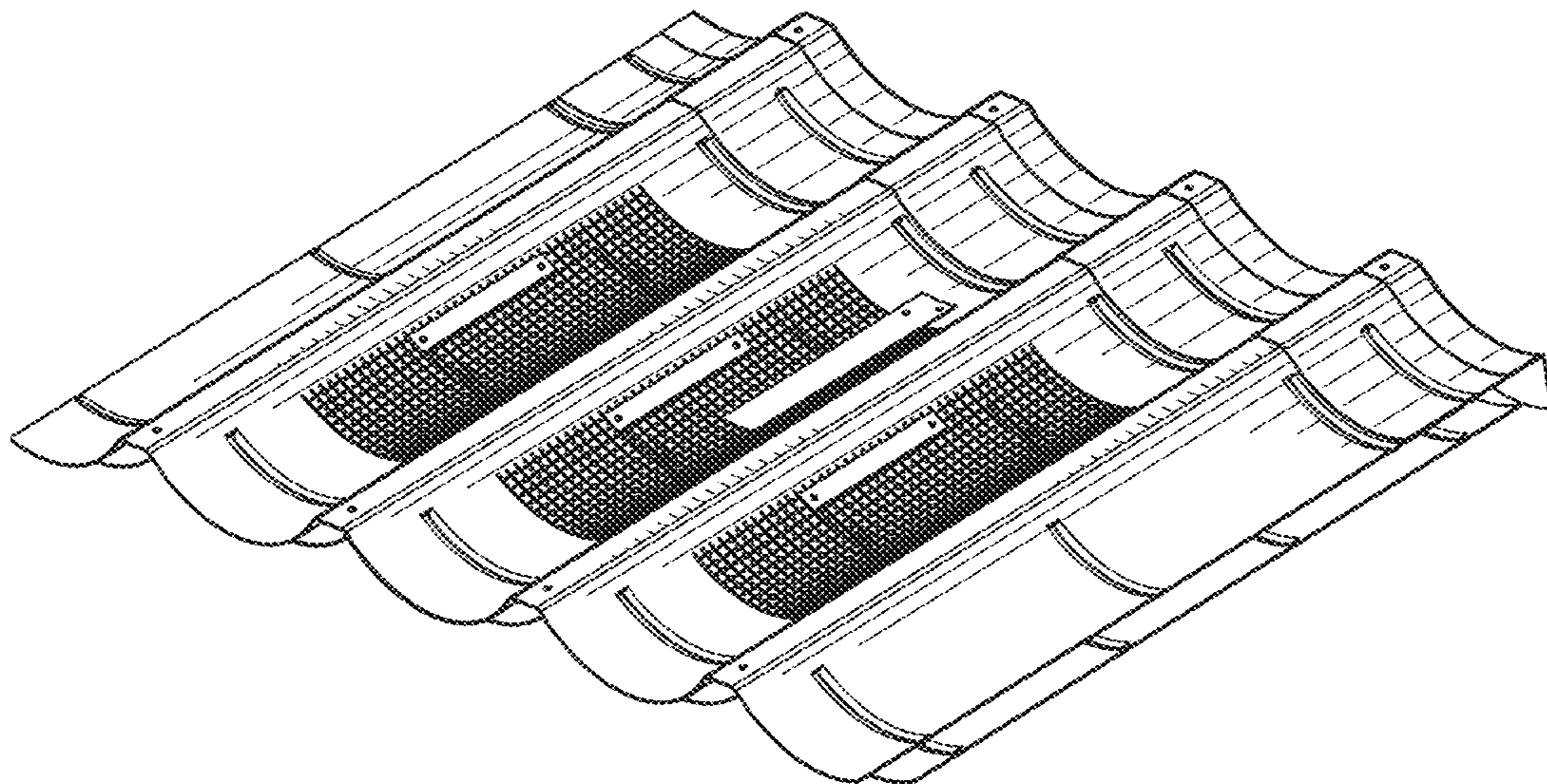


FIG. 2

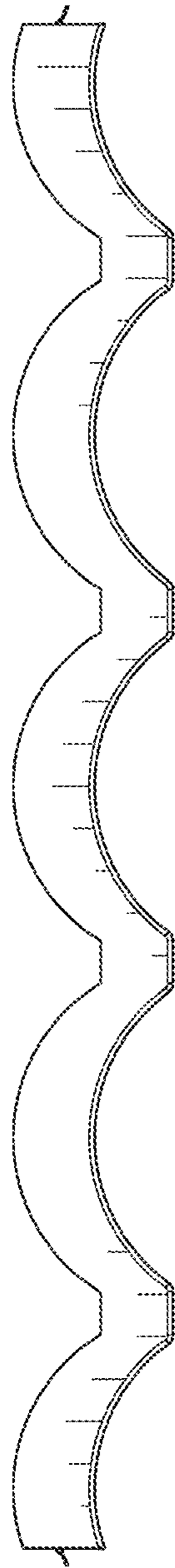


FIG. 3

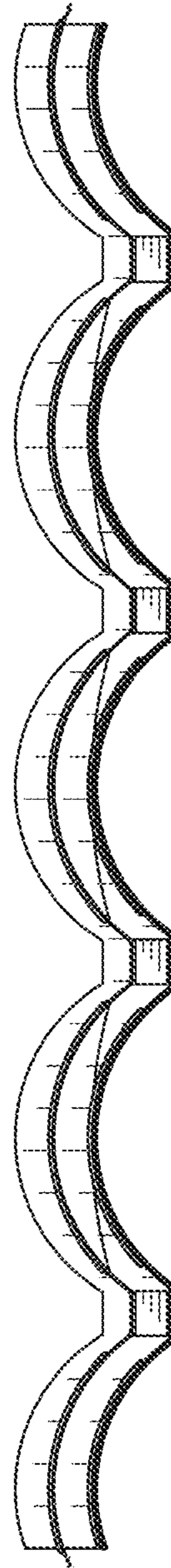


FIG. 4

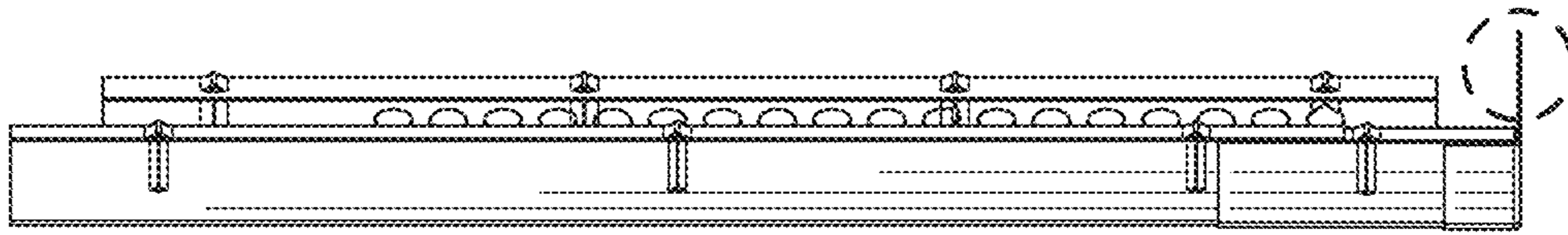


FIG. 5

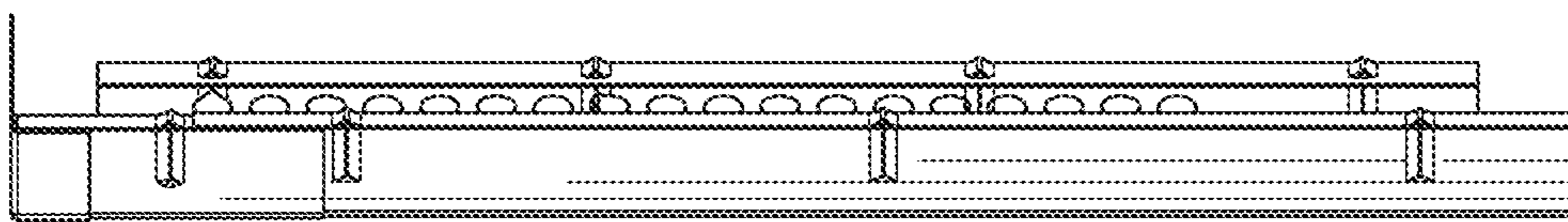


FIG. 6

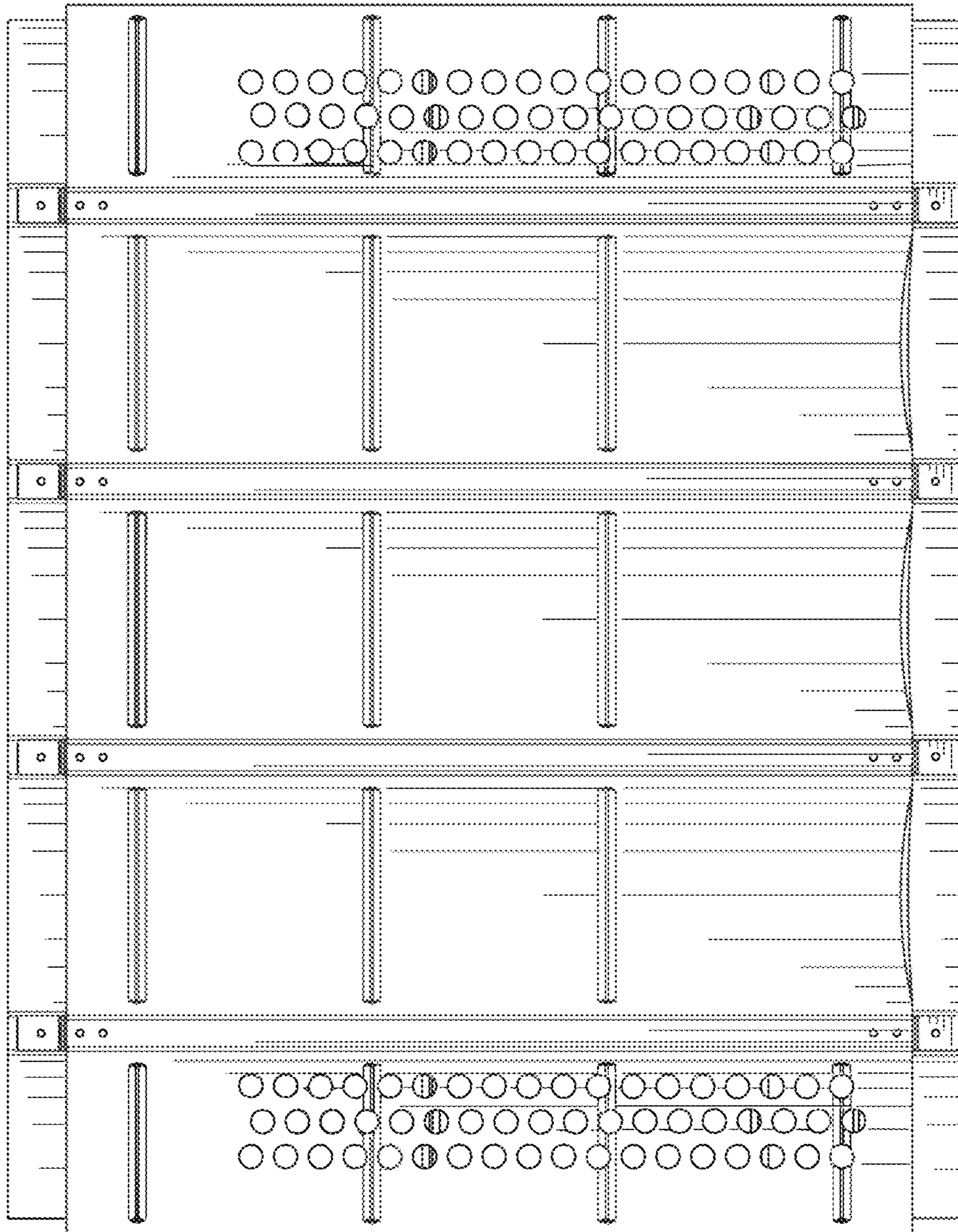


FIG. 7

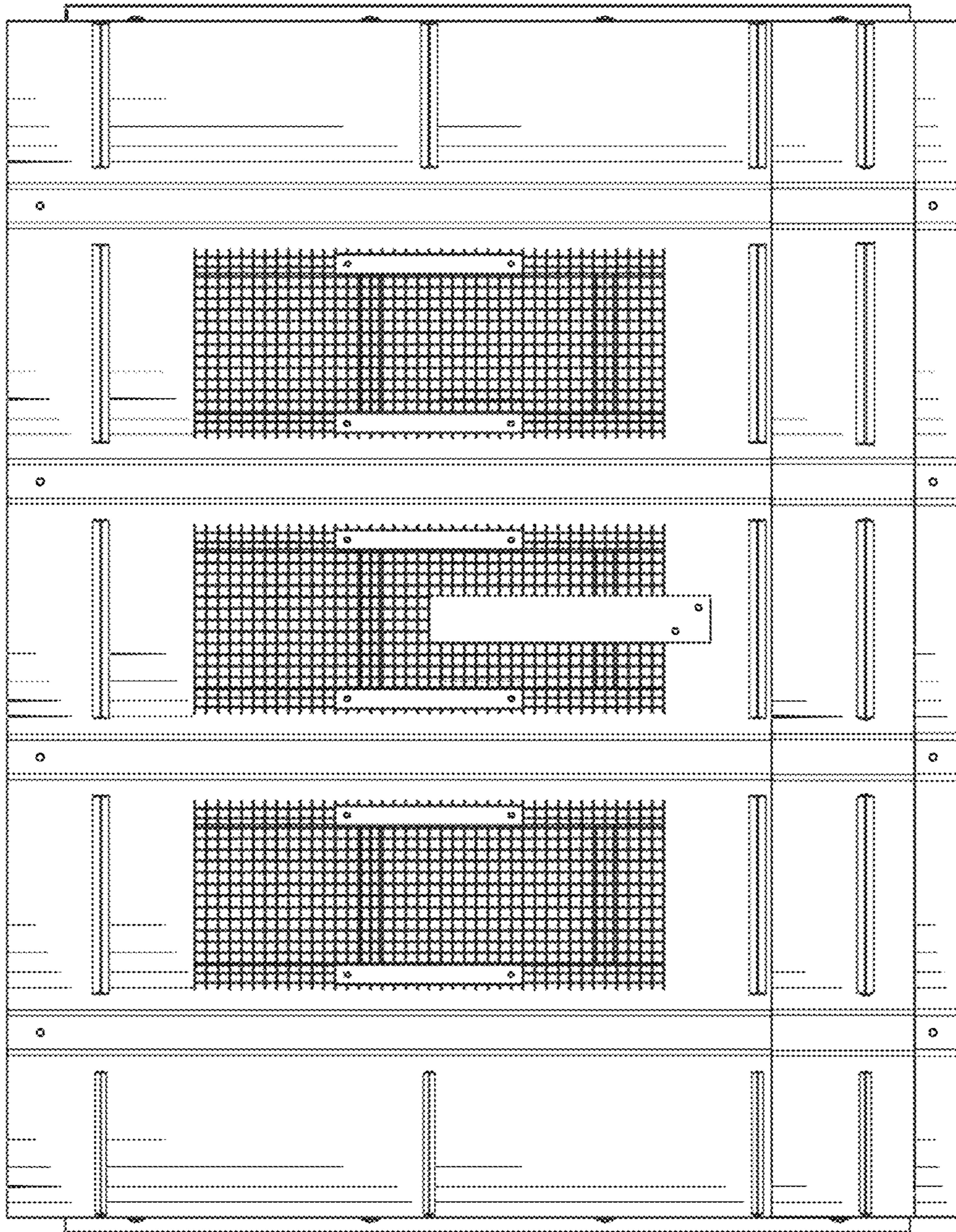


FIG. 8

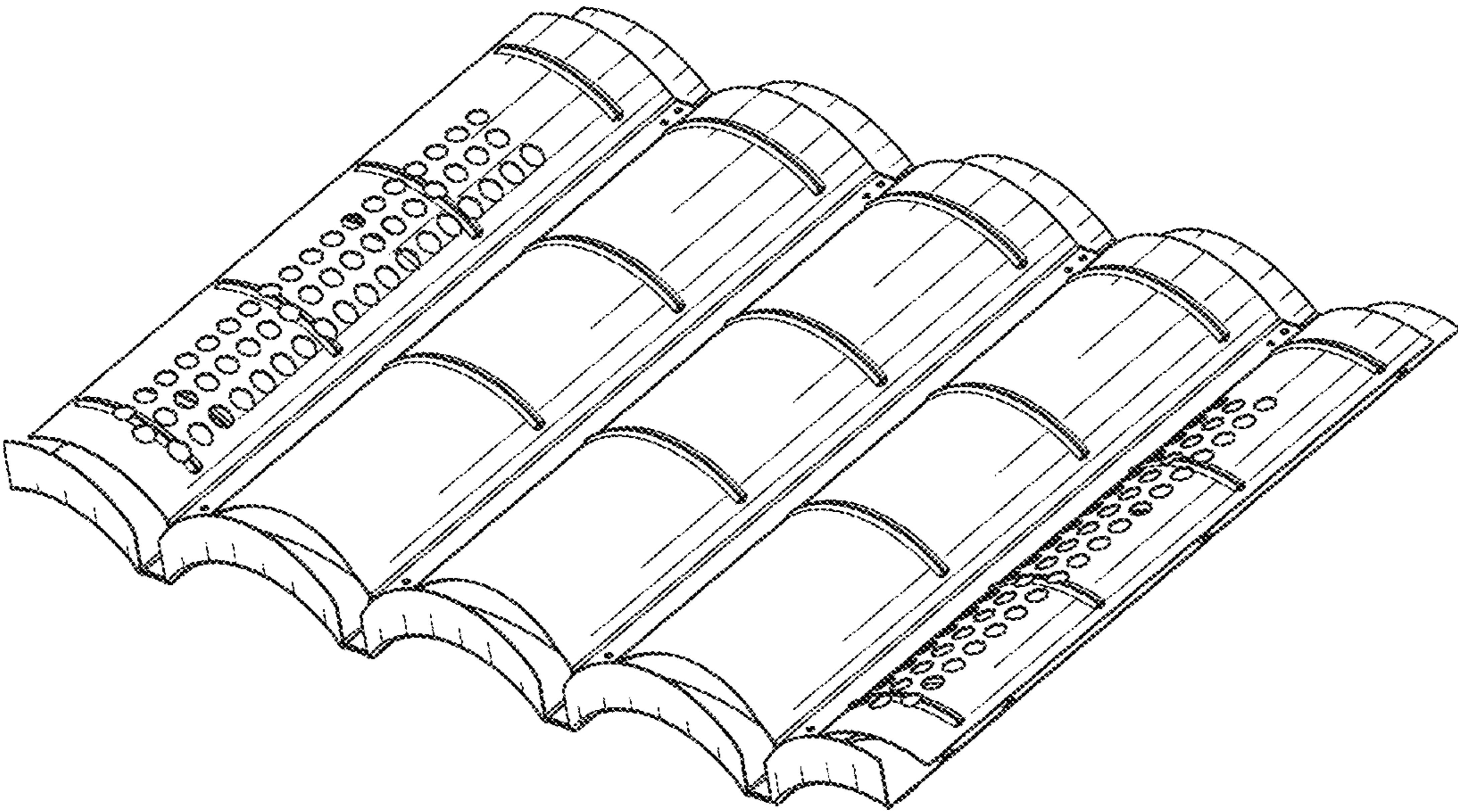


FIG. 9

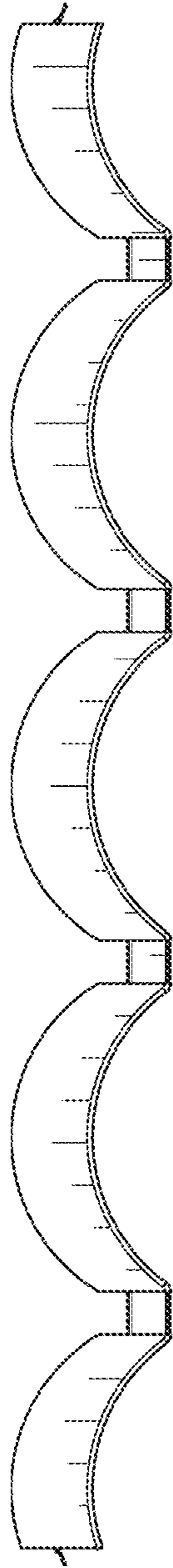


FIG. 10

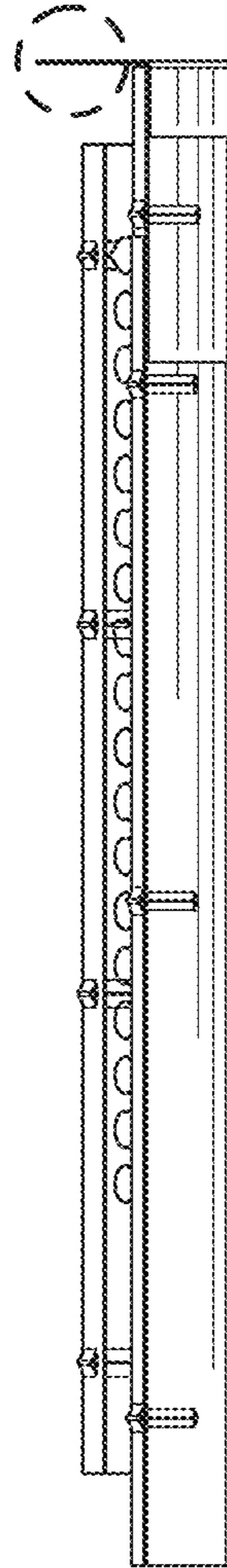


FIG. 11