



US00D871992S

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

(10) **Patent No.:** **US D871,992 S**
(45) **Date of Patent:** **** Jan. 7, 2020**

(54) **DEPLOYABLE STEP**

(71) Applicant: **Transportation IP Holdings, LLP**,
Norwalk, CT (US)

(72) Inventors: **Samir Vikas Joshi**, Bangalore (IN);
Abhijit Eknath Patil, Bangalore (IN);
Sudheer Kadappa Khanapure,
Bangalore (IN); **Pratik Rajendra**
Nirhali, Bangalore (IN)

(73) Assignee: **Transportation IP Holdings, LLC**,
Norwalk, CT (US)

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

(21) Appl. No.: **29/649,299**

(22) Filed: **May 29, 2018**

Related U.S. Application Data

(62) Division of application No. 29/573,682, filed on Aug.
9, 2016, now Pat. No. Des. 821,185.

(51) **LOC (12) Cl.** **12-16**

(52) **U.S. Cl.**
USPC **D12/203**

(58) **Field of Classification Search**
USPC D8/107, 300, 303, 308, 316, 319,
D8/320-321, 349, 373, 354, 355,
D8/366-367, 380-381, 400, 402-404;
D6/523, 549; 16/417, 414-415;
280/166, 169; 34/6; D25/64-65, 69;
D12/203
CPC F16B 2/00; E04B 1/2608; E04B 1/2612;
B60R 3/00; B60R 3/02; B60R 3/04;
B60R 3/007

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D9,254 S * 5/1876 Cooper D12/203
D16,223 S * 9/1885 Alexander D12/203

D42,145 S * 2/1912 Morse D12/203
1,215,235 A * 2/1917 Atwood E04F 13/04
15/215
D55,494 S * 6/1920 White D12/400
D100,215 S * 6/1936 Klippel 404/19
(Continued)

FOREIGN PATENT DOCUMENTS

JP D1508565 * 10/2014

OTHER PUBLICATIONS

6-Hole Plank, Perf-O Grip, gratingpacific.com, published by Cooper B-Line on Dec. 31, 2010 per wayback machine © 2009 Cooper B-Line, online, site visited Aug. 12, 2019. Available from Internet, URL: http://www.gratingpacific.com/load_tables/catalogs/perf-o-grip-t-t-flooring.pdf (Year: 2010).*

Primary Examiner — Shannon W Morgan
Assistant Examiner — Altaira J Swangin
(74) *Attorney, Agent, or Firm* — McCoy Russell LLP

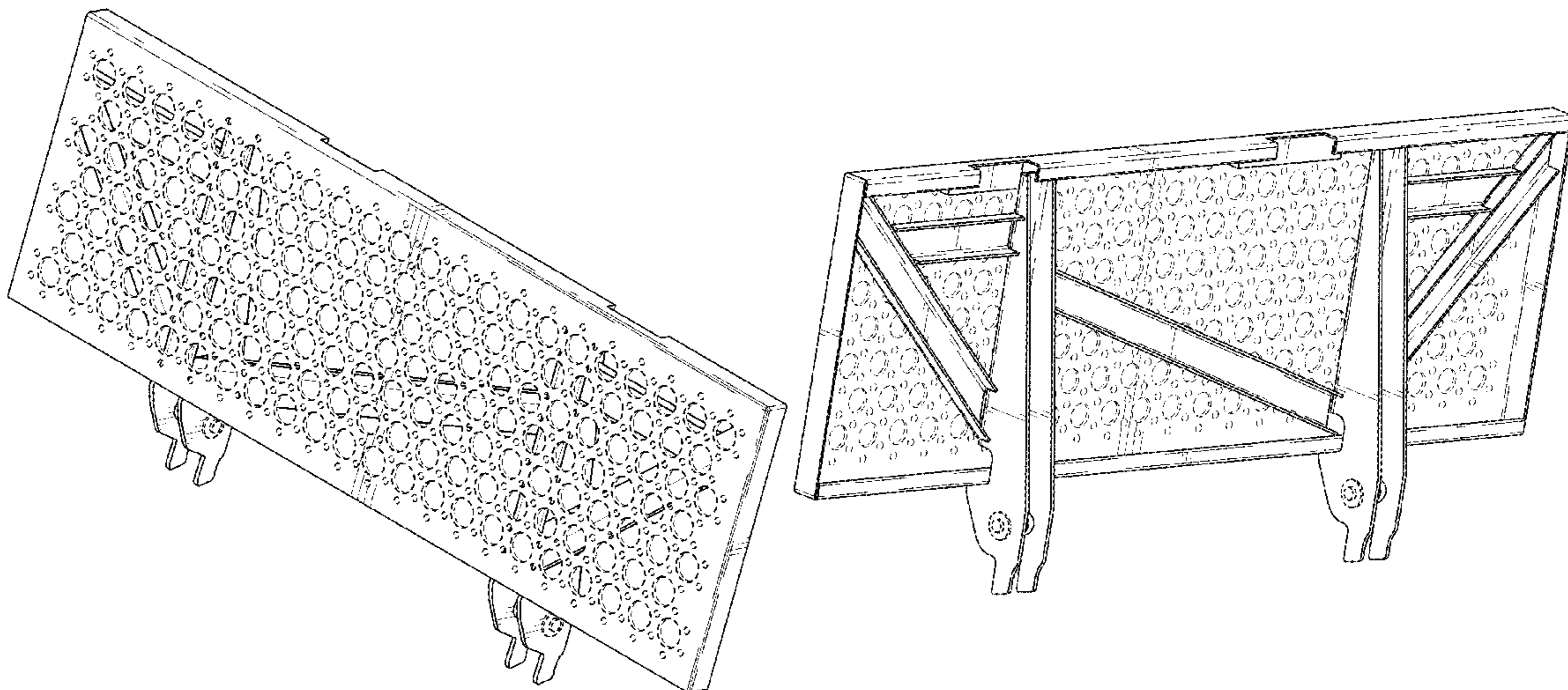
(57) **CLAIM**

The ornamental design for a deployable step, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a deployable step depicting our new design;
FIG. 2 is a top view thereof;
FIG. 3 is a front plan view thereof;
FIG. 4 is a side view thereof;
FIG. 5 is an opposite side view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is a rear plan view thereof; and,
FIG. 8 is a rear perspective view thereof.
The broken lines depict portions of the deployable step which form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2,278,554 A * 4/1942 Morton B61D 23/00
105/457
2,326,963 A * 8/1943 Morton B61D 23/00
52/177
D158,136 S * 4/1950 Simon 182/121
3,181,440 A * 5/1965 Mullaney B21D 47/005
105/457
D213,043 S * 12/1968 Crepeau D12/203
4,018,167 A * 4/1977 Spangler A47B 96/061
108/152
D248,777 S * 8/1978 Spencer D25/68
4,159,122 A * 6/1979 Stevens B60R 3/02
108/134
D254,290 S * 2/1980 Smith D8/381
D258,465 S * 3/1981 Studinski D25/142
H000421 H * 2/1988 Glommen 180/904
D294,221 S * 2/1988 Sheftel 248/242
D295,950 S * 5/1988 Johnston 108/108
D296,321 S * 6/1988 Hayes D12/203
D313,743 S * 1/1991 Mastrodicasa D8/381
D324,818 S * 3/1992 Von Gunton D8/381
D327,839 S * 7/1992 Stumpf D8/381
D361,931 S * 9/1995 Cesler D8/380
D411,738 S * 6/1999 Raasch D8/381
7,264,253 B1 * 9/2007 Cummings B60R 3/007
182/127
7,445,221 B2 * 11/2008 Kobayashi B60R 3/02
280/163
D594,564 S * 6/2009 Disch D25/69
D607,395 S * 1/2010 Beigel D12/203
D611,617 S * 3/2010 Heggland D25/69

D649,563 S * 11/2011 Doraivelmanimoz D12/203
D704,960 S * 5/2014 McCool E04F 11/108
D6/582
D713,772 S * 9/2014 Ziaylek D12/203
D714,703 S * 10/2014 Masanek, Jr. B60D 1/36
D12/203
D733,933 S * 7/2015 Lee D25/69
D742,292 S * 11/2015 Peltola D12/203
D745,704 S * 12/2015 Tesauro D25/69
D767,462 S * 9/2016 Seger D12/203
D767,463 S * 9/2016 Seger D12/203
D781,760 S * 3/2017 Peltola D12/203
D800,622 S * 10/2017 Ito D12/203
9,944,231 B2 * 4/2018 Leitner B60R 3/02
10,011,231 B1 * 7/2018 Wymore B60R 3/002
D826,701 S * 8/2018 Lu D8/381
10,214,963 B2 * 2/2019 Simula E06C 7/16
D845,749 S * 4/2019 Monsted D8/380
D847,061 S * 4/2019 MacNeil D12/203
2012/0061948 A1 * 3/2012 DesJardin B60P 3/1066
280/760
2013/0154230 A1 * 6/2013 Ziaylek B60R 3/02
280/166
2016/0339844 A1 * 11/2016 Pribisic B60R 3/02
2016/0355138 A1 * 12/2016 Smith B60R 3/02
2017/0106918 A1 * 4/2017 Diller B60R 3/002
2018/0065559 A1 * 3/2018 Michie B60R 3/002
2018/0105115 A1 * 4/2018 Aleman B60R 3/02
2018/0272951 A1 * 9/2018 Oliver B60R 3/005
2019/0085635 A1 * 3/2019 Simula E06C 7/16
2019/0126868 A1 * 5/2019 Wymore B60R 3/002
2019/0135185 A1 * 5/2019 Oliver B60R 3/005
2019/0202362 A1 * 7/2019 Yang B60R 3/002

* cited by examiner

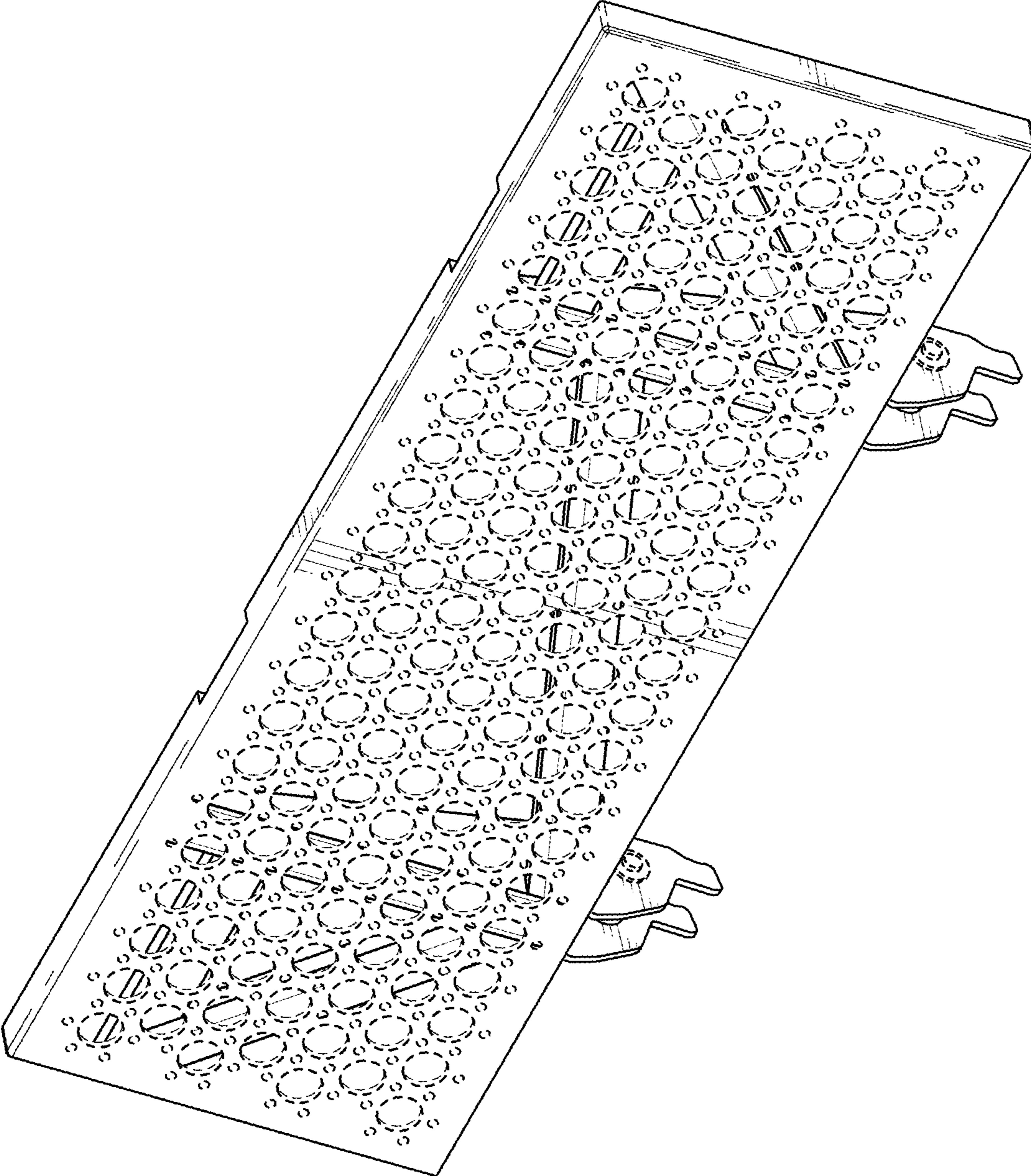


FIG. 1

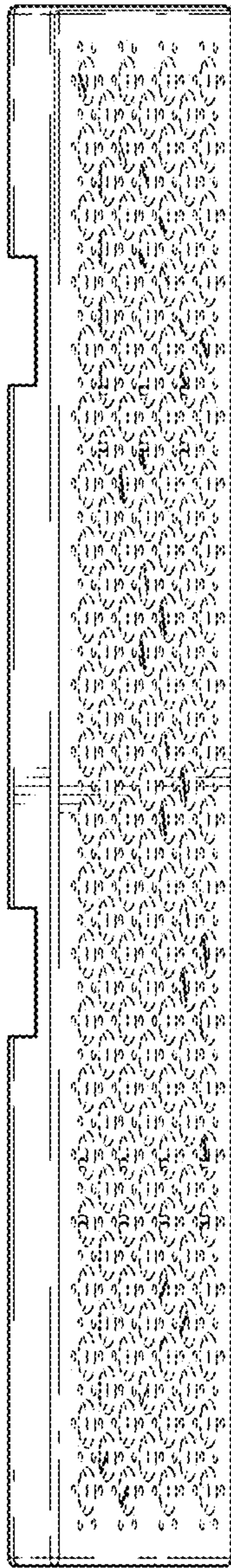


FIG. 2

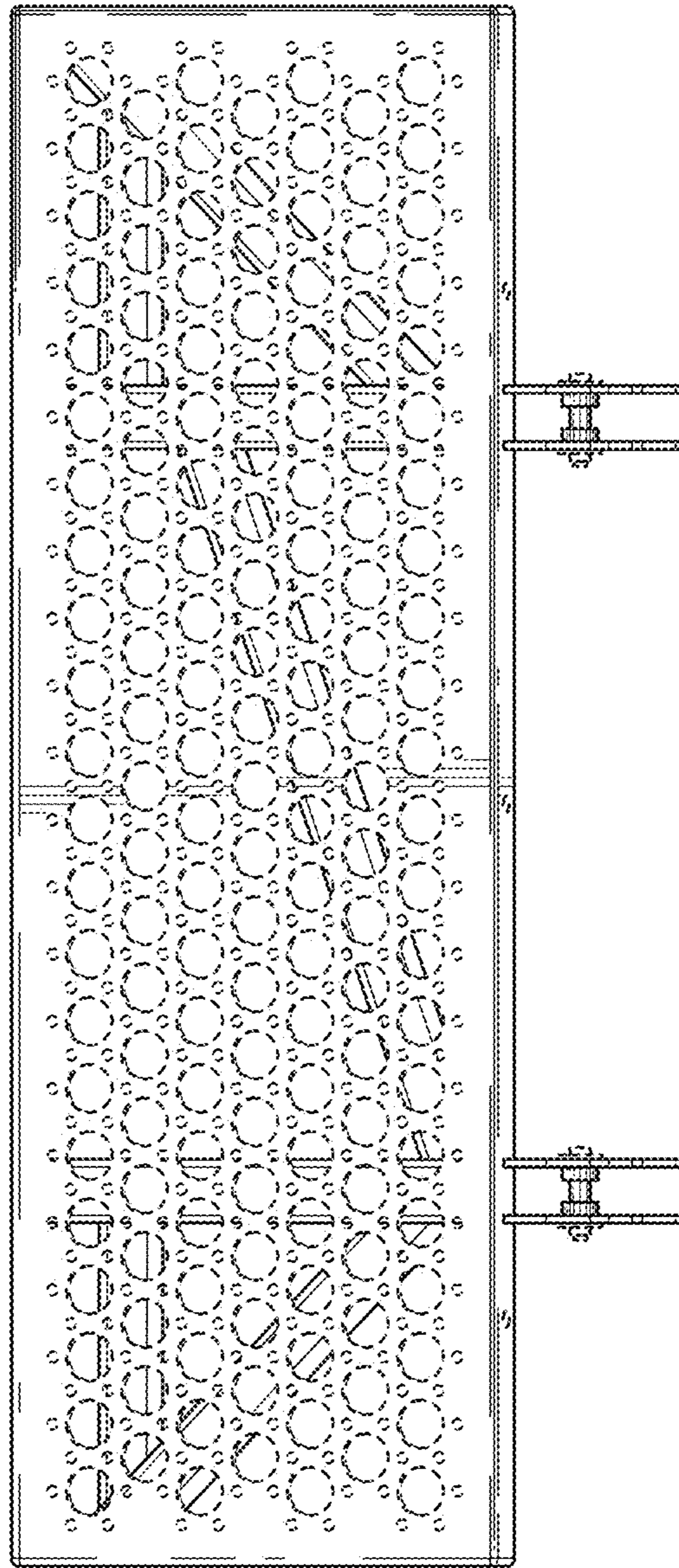


FIG. 3

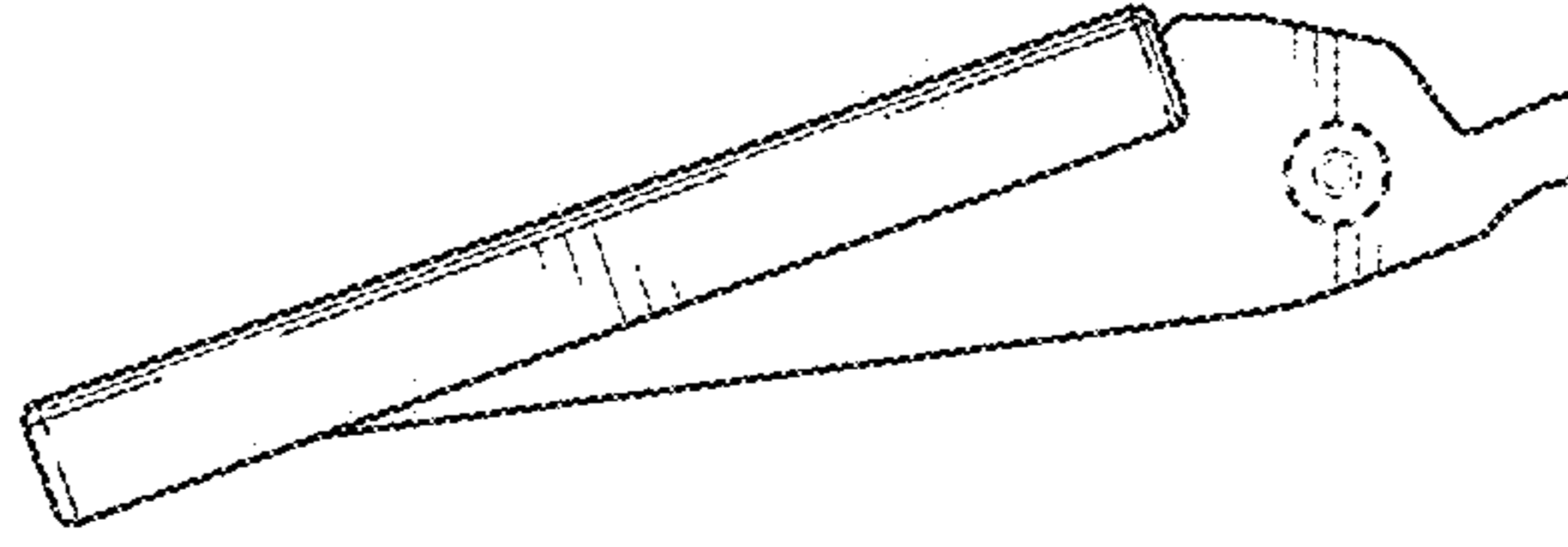


FIG. 4

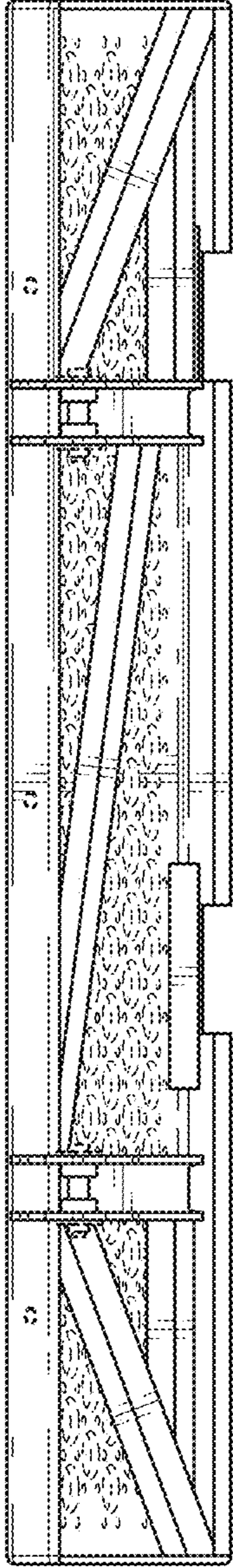


FIG. 6

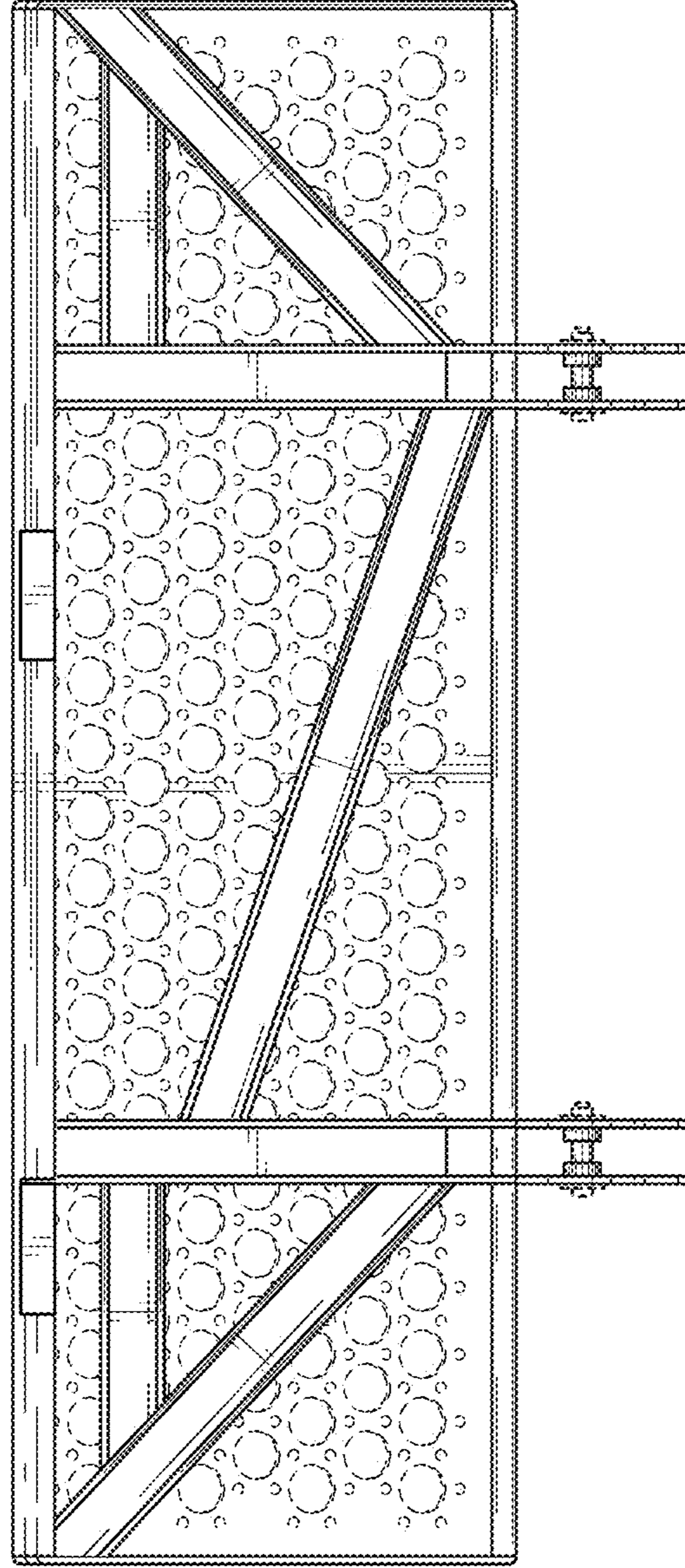


FIG. 7

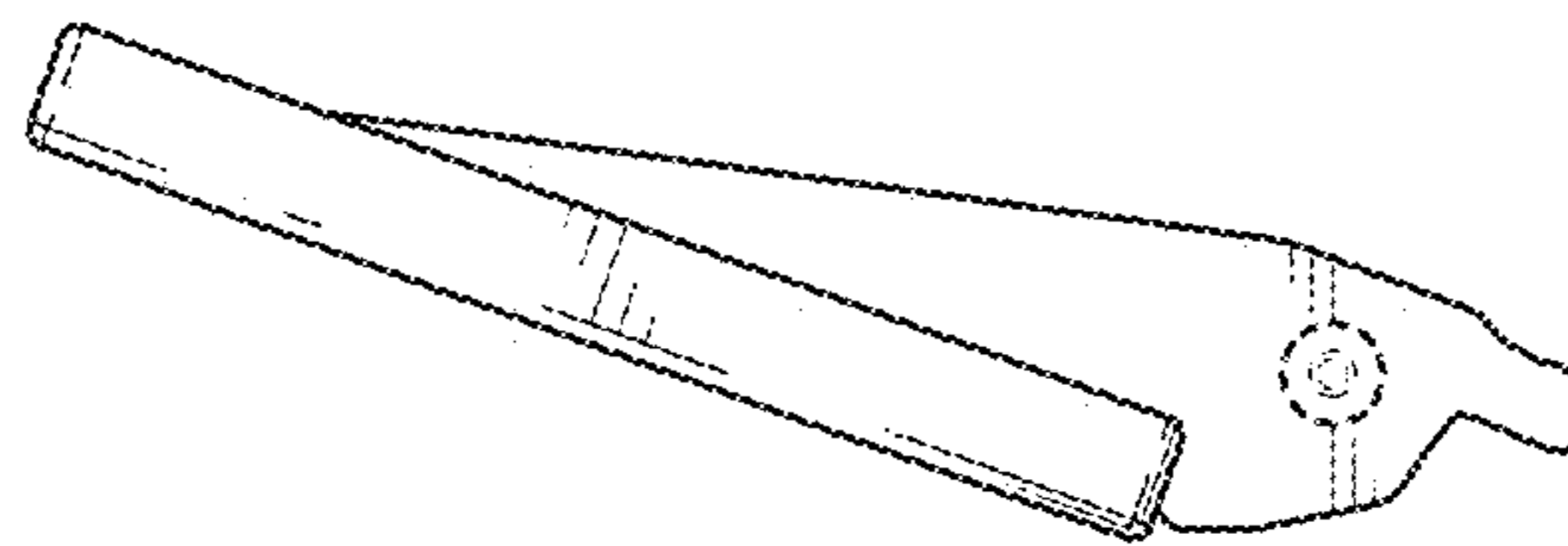


FIG. 5

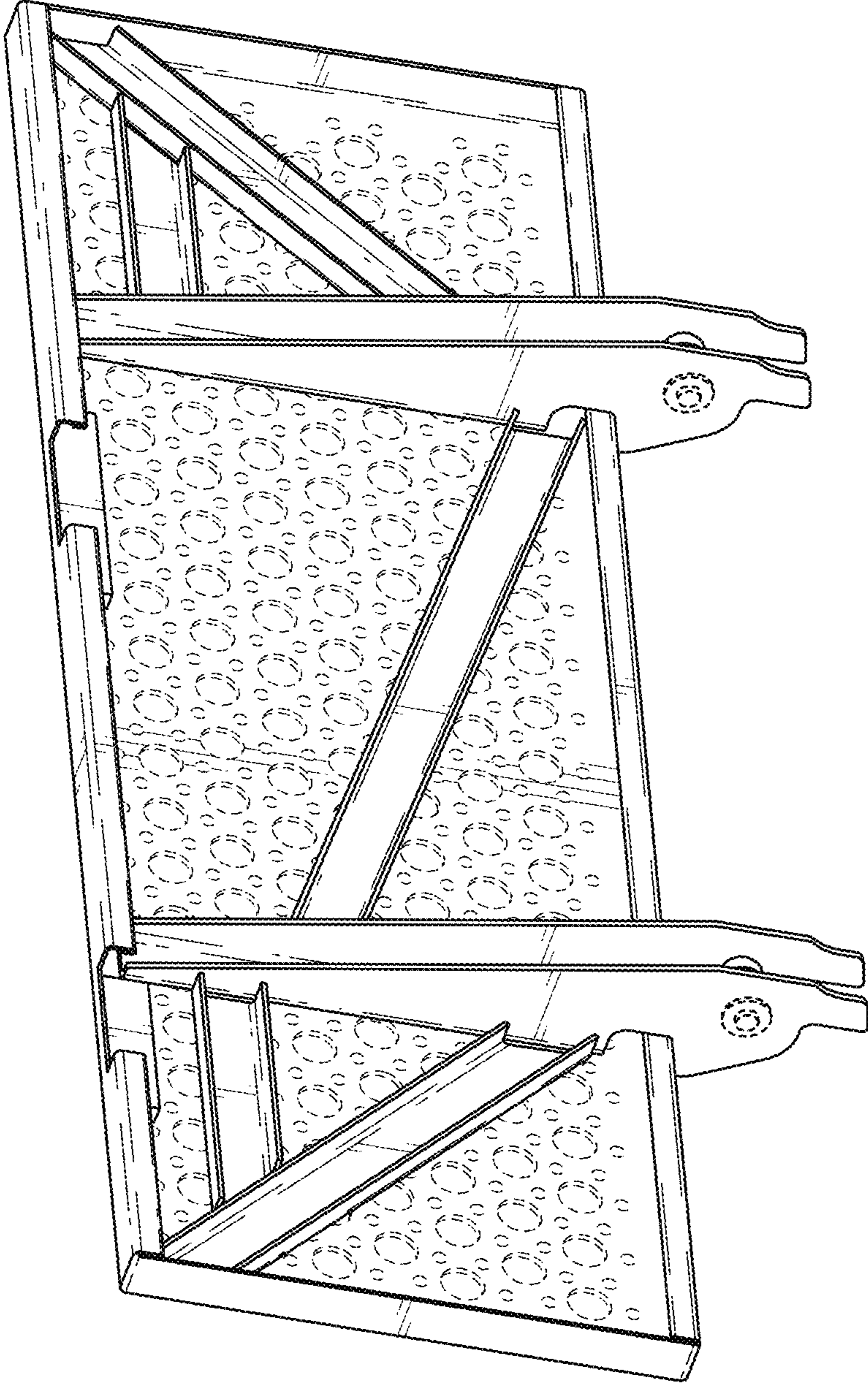


FIG. 8