



US00D933321S

(12) **United States Design Patent** (10) **Patent No.:** **US D933,321 S**
Fitzsimmons et al. (45) **Date of Patent:** **** Oct. 12, 2021**

(54) **DUST BUCKET LID FOR A DUST CYCLONE**

(71) Applicants: **John J. Fitzsimmons**, Clay, NY (US); **Jeffrey Hill**, Cicero, NY (US); **Joseph Baldwin**, Syracuse, NY (US); **Kyle W. Groening**, Syracuse, NY (US); **Robert M. Witter**, Englewood, FL (US)

(72) Inventors: **John J. Fitzsimmons**, Clay, NY (US); **Jeffrey Hill**, Cicero, NY (US); **Joseph Baldwin**, Syracuse, NY (US); **Kyle W. Groening**, Syracuse, NY (US); **Robert M. Witter**, Englewood, FL (US)

(73) Assignee: **Oneida Air Systems, Inc.**, Syracuse, NY (US)

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

(21) Appl. No.: **29/726,472**

(22) Filed: **Mar. 3, 2020**

(51) **LOC (13) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/31; D32/54**

(58) **Field of Classification Search**

USPC D8/70; D15/138; D32/31, 21, 1
CPC A47L 9/1463; A47L 7/0038; A47L 9/102;
A47L 7/0071; A47L 9/12; A47L 9/149;
A47L 5/365; A47L 9/1658; A47L 7/0047;
A61M 15/0021; A01K 61/54; B65D
51/1672; B65D 88/1618; B65D 41/385;
B01D 36/045; B01D 29/908; B01D
45/06; B01D 45/16; B01D 45/12; B01D
47/06; B01D 45/14; B01D 46/10; B01D
21/0045; B01D 45/00; B08B 5/04; B08B
17/00; B05B 14/48; B65F 1/105; B04C
9/00; B04C 5/14; B04C 5/08; B03C
1/033; C12N 1/02; E01H 1/0836; F16N
7/34; F02M 35/026; G03G 9/0815

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,384,699 A * 9/1945 Russell F02M 35/026
96/318
2,905,266 A * 9/1959 Poch B01D 45/14
55/418
3,233,882 A * 2/1966 Calaceto B01D 47/06
261/118
3,370,408 A * 2/1968 Lehrer B04C 5/08
55/429

(Continued)

OTHER PUBLICATIONS

Dust Deputy Bucket Lid <https://www.oneida-air.com/molded-dust-deputy-bucket-lid> (Year: 2020).*

Primary Examiner — Michelle E. Wilson

Assistant Examiner — Richard E Yenchesky

(74) *Attorney, Agent, or Firm* — Bernhard P. Molldrem, Jr.

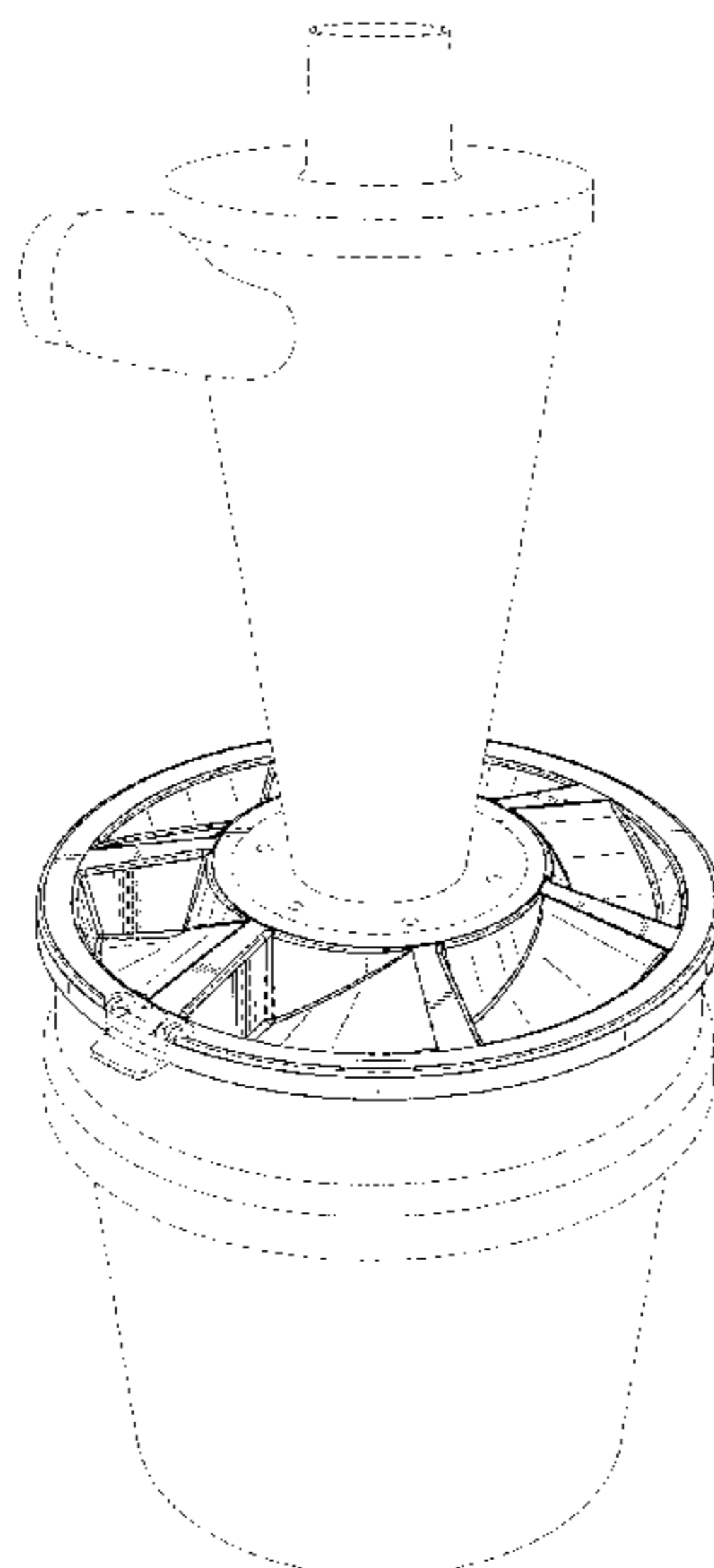
(57) **CLAIM**

The ornamental design for a dust bucket lid for a dust cyclone, as shown and described.

DESCRIPTION

FIG. 1 is a perspective environmental view of a dust-bucket lid for a cyclonic dust collector, showing our new design. FIG. 2 is a top plan view thereof; FIG. 3 is a bottom plan view thereof; FIGS. 4 to 7 are is a front elevational view thereof; a left-side elevational view thereof; a rear elevational view thereof and a right-side elevation thereof; and, FIG. 8 is a bottom perspective view thereof. The cyclonic dust collector and bucket shown in broken line form no part of our design. The center opening and the bolt holes surrounding it, shown in broken line and the latch and opposing hook member, shown in broken lines, do not form a part of our claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,740,933 A * 6/1973 Hollowell E01H 1/0836
55/429
3,771,295 A * 11/1973 Wheeler, Jr. F16N 7/34
55/424
4,019,883 A * 4/1977 Klomp B01D 45/12
96/377
4,476,608 A * 10/1984 Rasmussen A47L 7/0071
15/352
5,047,089 A * 9/1991 Grant B08B 5/04
134/21
5,236,479 A * 8/1993 Billingsley B01D 45/12
55/337
5,525,396 A * 6/1996 Rudolph A47L 9/102
428/131
5,948,127 A * 9/1999 Minakawa B04C 9/00
55/283
6,027,541 A * 2/2000 Siemens B01D 45/16
55/429
6,117,201 A * 9/2000 Cheng B01D 45/16
55/342
6,210,457 B1 * 4/2001 Siemens B01D 45/16
55/429
6,484,761 B2 * 11/2002 Puccio B65D 51/1672
141/65
6,610,116 B1 * 8/2003 Avery B01D 46/10
454/154
D495,347 S * 8/2004 Erbach D15/138
8,012,230 B2 * 9/2011 Chen B01D 45/06
55/428

8,074,321 B2 * 12/2011 Fry A47L 7/0038
15/328
8,132,685 B2 * 3/2012 Wellman B65D 41/385
215/352
9,050,610 B2 * 6/2015 Caffell B01D 29/908
D738,178 S * 9/2015 Eisinger D8/70
9,186,604 B1 * 11/2015 Jons B04C 5/14
9,527,091 B2 * 12/2016 Corcoran B04C 5/14
9,833,733 B2 * 12/2017 Deutschmeyer B01D 46/10
10,058,222 B1 * 8/2018 Willer A47L 7/0047
10,207,205 B2 * 2/2019 Shrivastava B01D 36/045
10,457,577 B2 * 10/2019 Agea B03C 1/033
D899,213 S * 10/2020 Lundbaeck D8/70
10,857,550 B2 * 12/2020 Huntley A47L 9/1658
D908,149 S * 1/2021 Hansen D15/138
10,888,206 B2 * 1/2021 Moeller A47L 9/1463
10,968,036 B2 * 4/2021 Weissbrod B65D 88/1618
2008/0282894 A1 * 11/2008 Makarov A47L 5/365
96/371
2010/0170973 A1 * 7/2010 Makino G03G 9/0815
241/101.5
2013/0047985 A1 * 2/2013 Harris A61M 15/0021
128/203.15
2014/0083365 A1 * 3/2014 Mcshane A01K 61/54
119/234
2017/0197158 A1 * 7/2017 Kompala C12N 1/02
2018/0177357 A1 * 6/2018 Conrad B08B 17/00
2018/0177358 A1 * 6/2018 Conrad A47L 9/12
2018/0177359 A1 * 6/2018 Conrad A47L 9/149
2018/0177364 A1 * 6/2018 Conrad B65F 1/105
2018/0177365 A1 * 6/2018 Conrad B01D 45/00
2018/0369849 A1 * 12/2018 Loos B05B 14/48
2019/0210042 A1 * 7/2019 Kompala B01D 21/0045

* cited by examiner

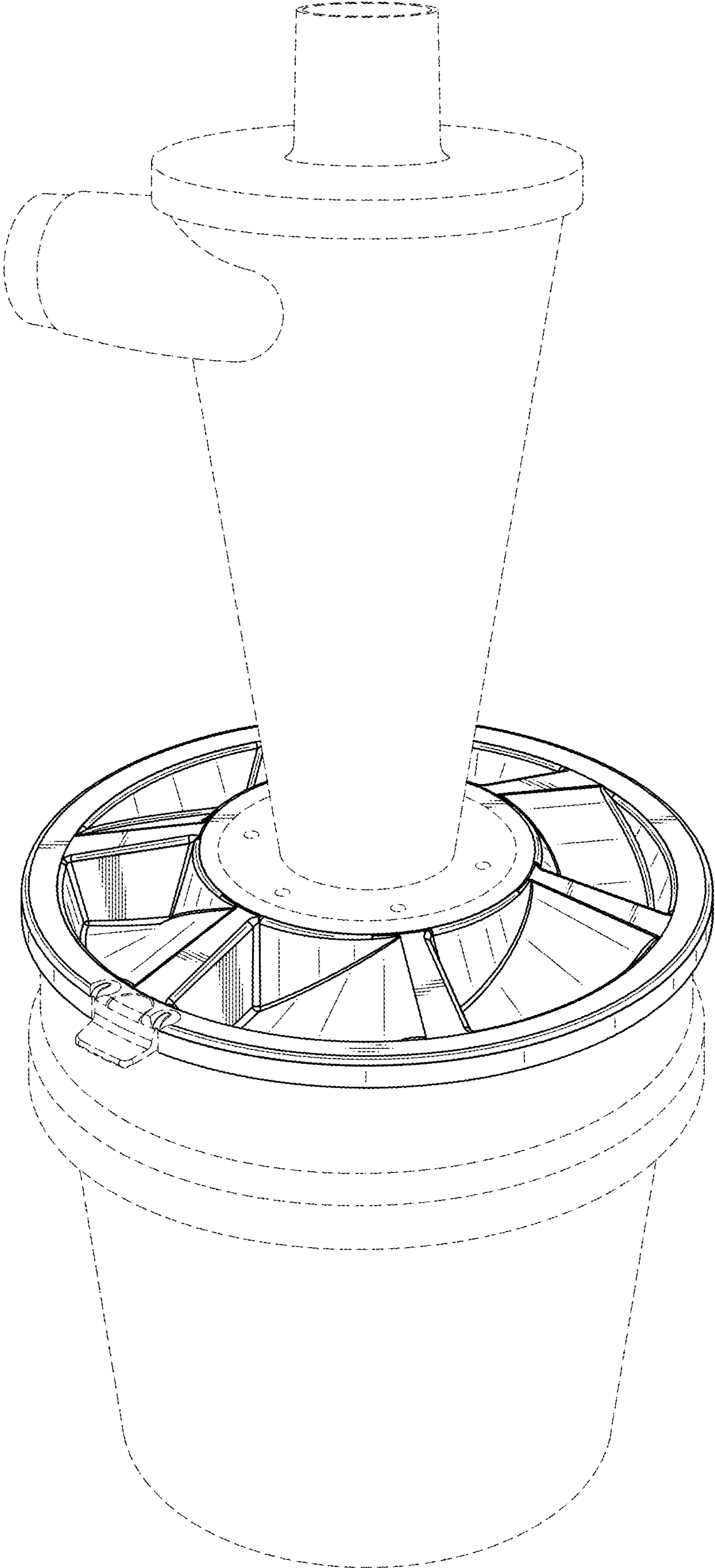


FIG.1

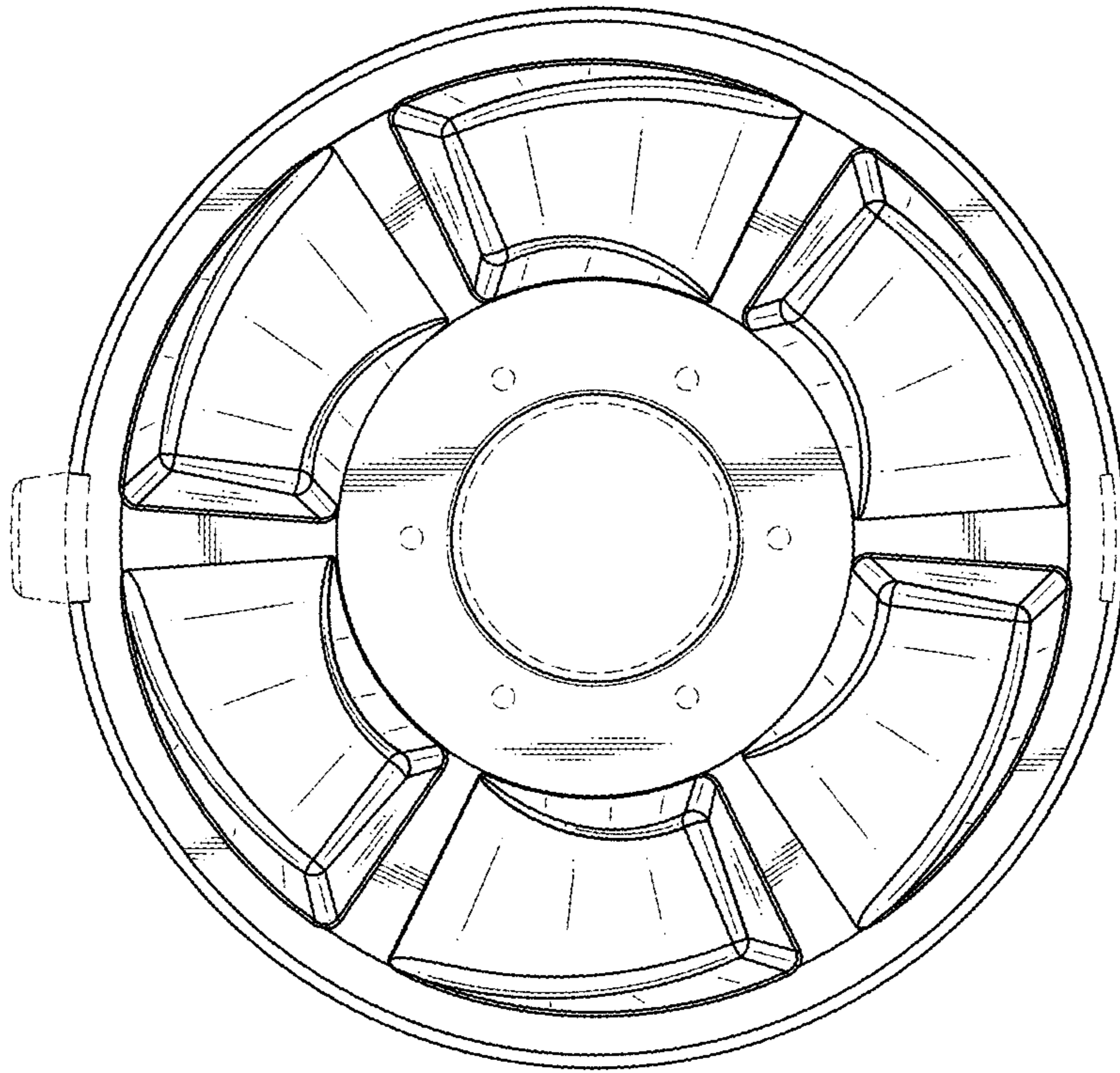


FIG.3

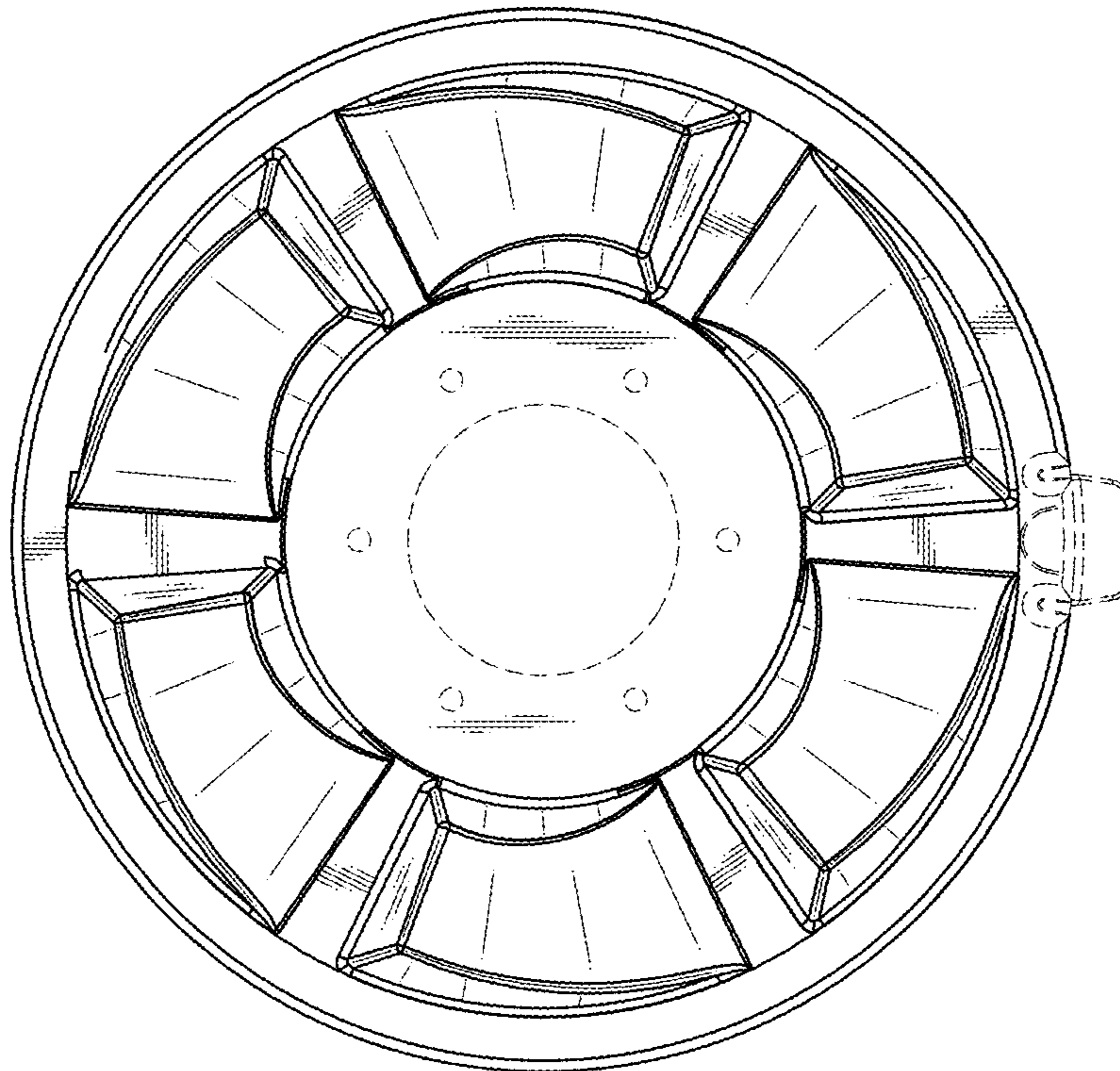


FIG.2

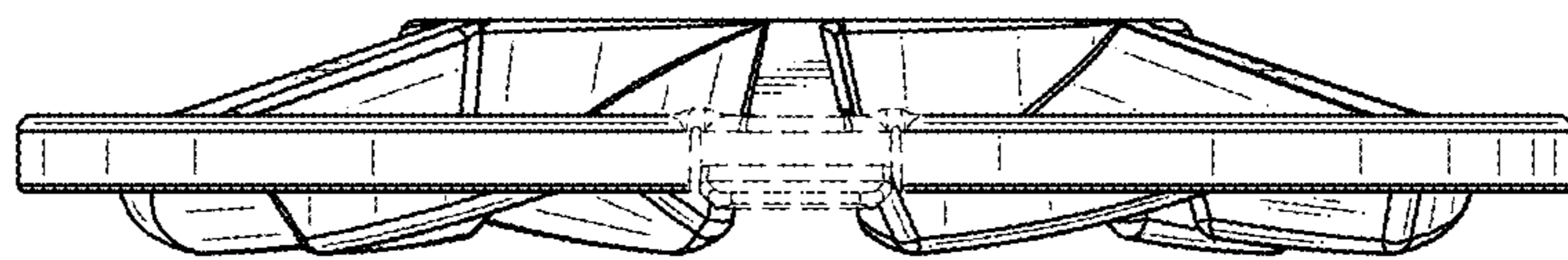


FIG. 4

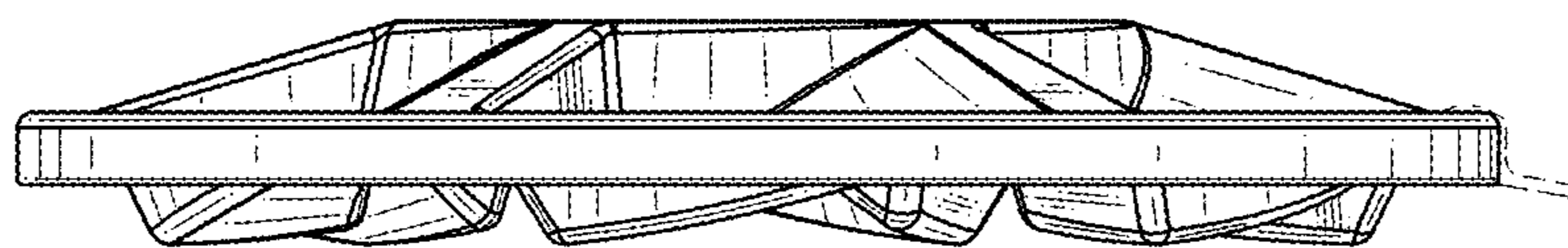


FIG. 5

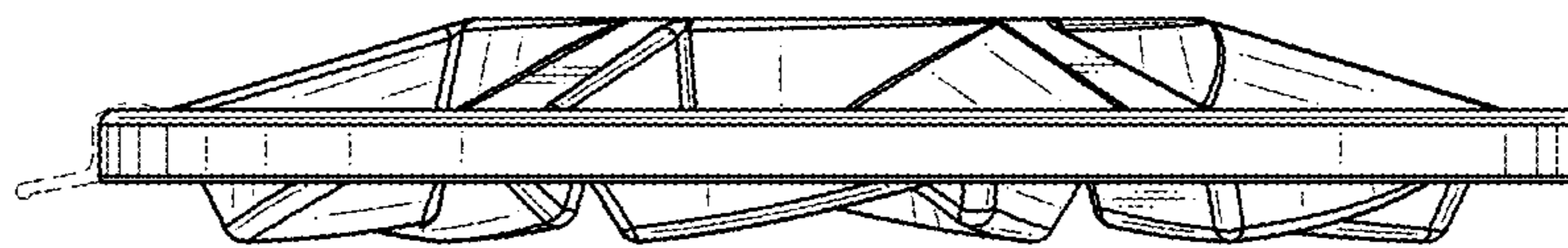


FIG. 6

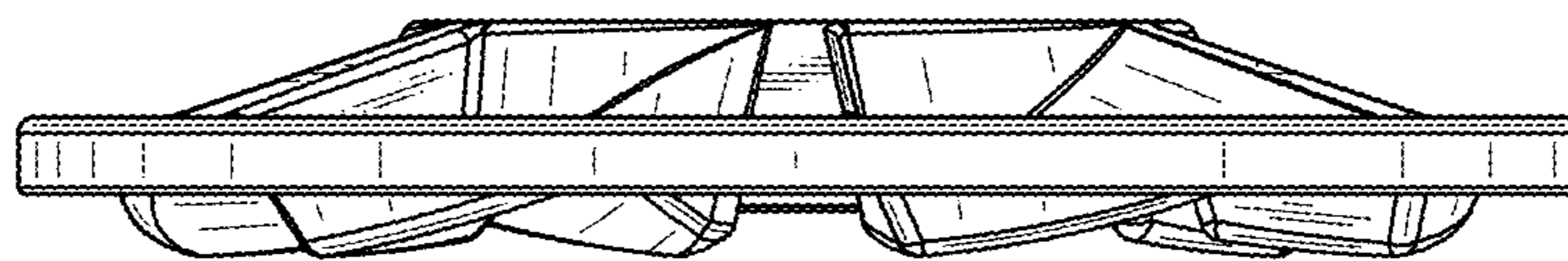


FIG. 7

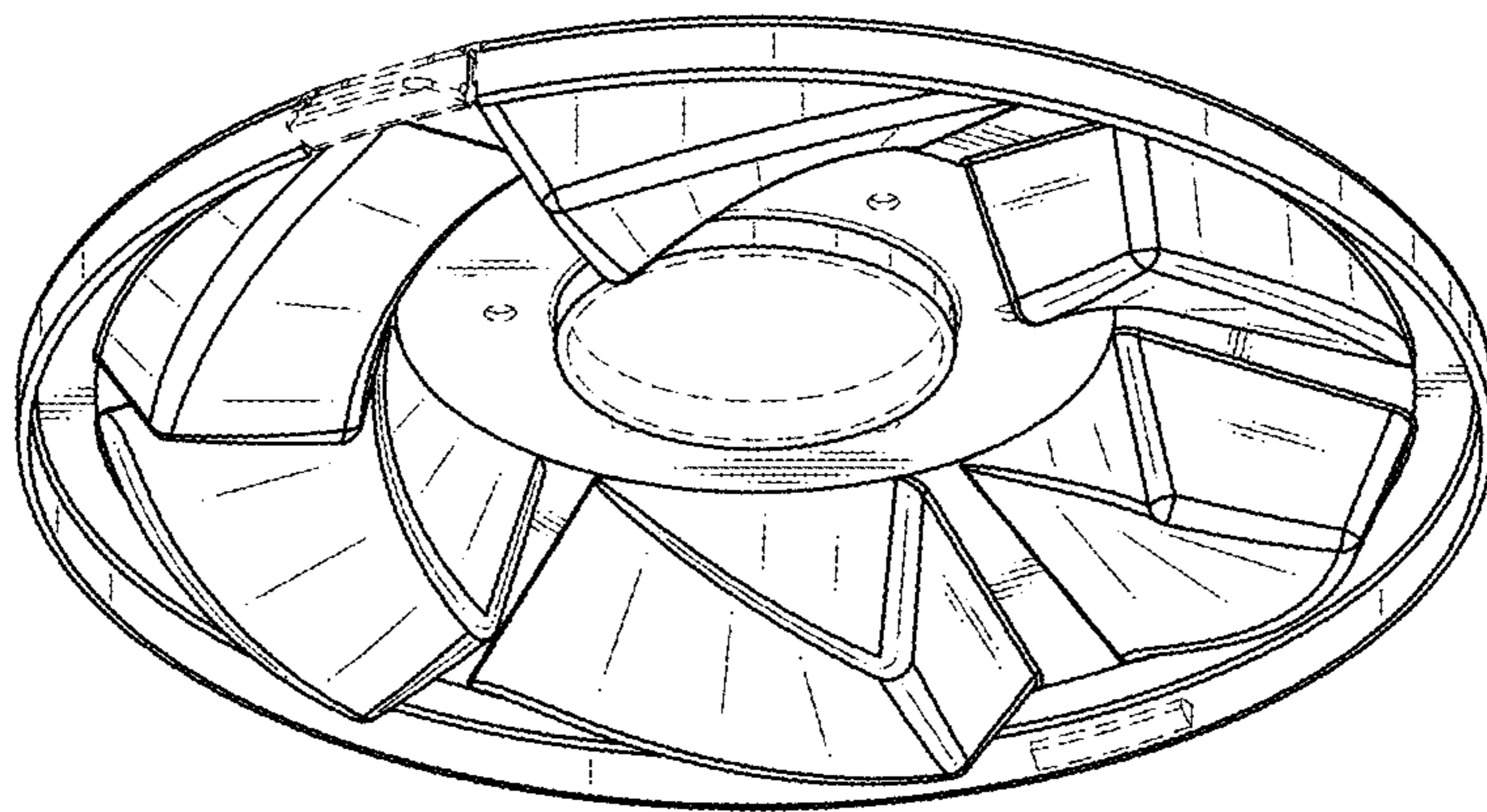


FIG.8