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

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(54) **END CAP FOR A PILLAR-TYPE INSECT TRAP**

D778,397 S \* 2/2017 Zhang ..... D22/122  
D831,782 S 10/2018 Zhang et al.  
2018/0325088 A1\* 11/2018 Willert ..... A01M 1/106  
2019/0200596 A1\* 7/2019 Natale ..... A01M 1/02

(71) Applicant: **Sterling International Inc.**, Spokane, WA (US)

(72) Inventors: **Marc Chapin**, Spokane, WA (US);  
**Qing-He Zhang**, Greenacres, WA (US);  
**Rodney G. Schneidmiller**, Greenacres, WA (US)

(73) Assignee: **Sterling International Inc.**, Spokane, WA (US)

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

(21) Appl. No.: **29/670,921**

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(51) **LOC (12) Cl.** ..... **22-06**

(52) **U.S. Cl.**  
USPC ..... **D22/122**

(58) **Field of Classification Search**  
USPC ..... D22/119–124; 43/107, 112–113,  
43/121–122, 124, 131, 132.1  
CPC ..... A01M 1/2011; A01M 1/2016; A01M  
2200/011; A01M 2200/012; A01M 1/04;  
A01M 1/06

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,561,832 A \* 11/1925 Corsi ..... A01M 1/14  
43/115  
3,708,908 A \* 1/1973 Levey ..... A01M 1/02  
43/114  
D700,269 S 2/2014 Chapin et al.  
D715,892 S \* 10/2014 Zhang ..... D22/122  
9,015,988 B2 4/2015 Zhang et al.

**OTHER PUBLICATIONS**

Chapin, M., et al., "Insect Trap With Bird Guards," Design U.S. Appl. No. 29/670,923, filed Nov. 20, 2018, 5 pages.

(Continued)

*Primary Examiner* — Catherine R Oliver-Garcia

(74) *Attorney, Agent, or Firm* — Christensen O'Connor Johnson Kindness, PLLC

(57) **CLAIM**

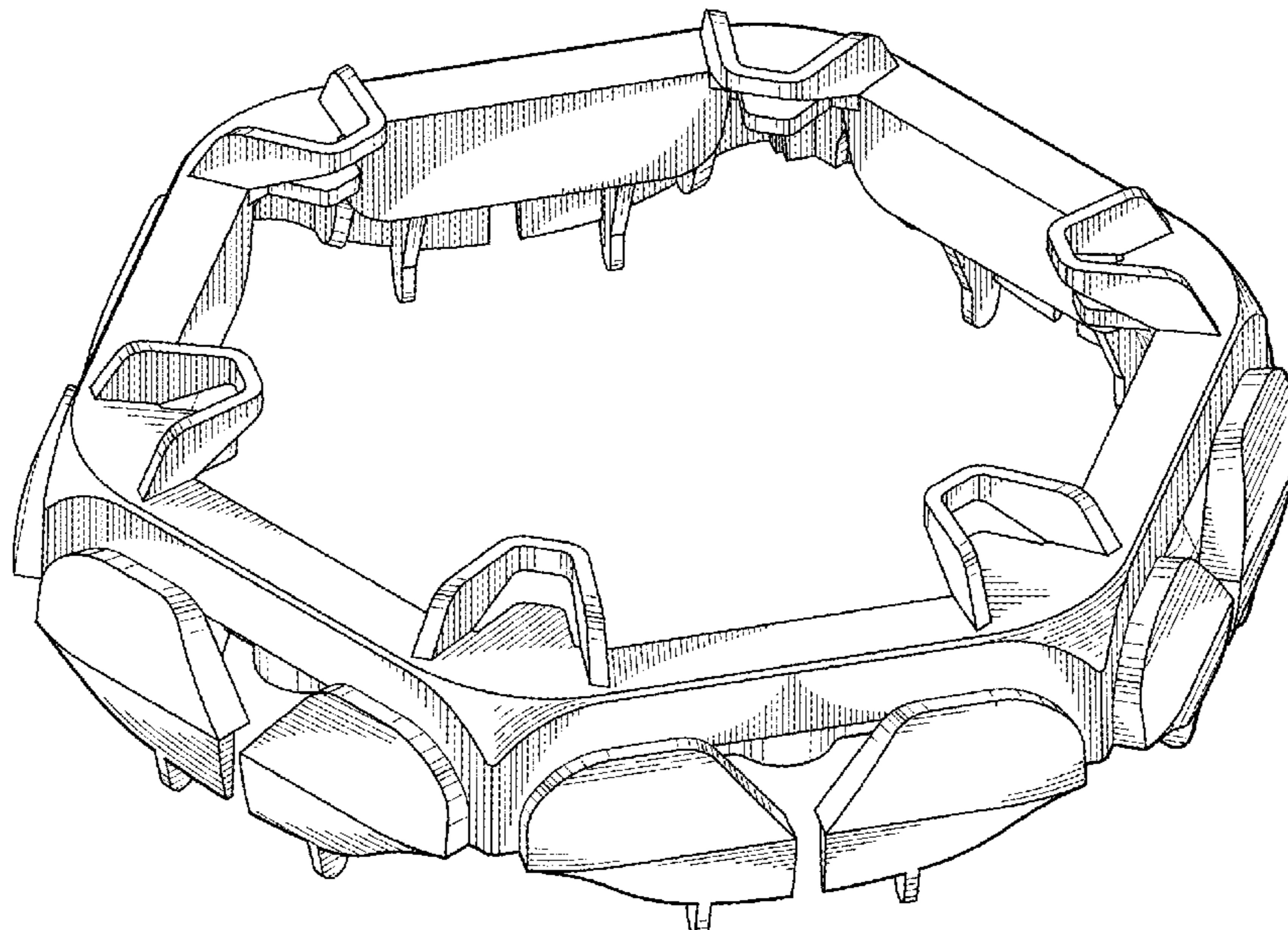
The ornamental design for the end cap for a pillar-type insect trap, as shown and described.

**DESCRIPTION**

FIG. 1 is an environmental view of an end cap for a pillar-type insect trap in accordance with the present design; FIG. 2 is an upper perspective view of the end cap for a pillar-type insect trap shown in FIG. 1; FIG. 3 is a lower perspective view of the end cap for a pillar-type insect trap shown in FIG. 1; FIG. 4 is a top plan view of the end cap for a pillar-type insect trap shown in FIG. 1; FIG. 5 is a bottom plan view of the end cap for a pillar-type insect trap shown in FIG. 1; FIG. 6 is a front view of the end cap for a pillar-type insect trap shown in FIG. 1, which due to symmetry is the same as the back view; and, FIG. 7 is a left side view of the end cap for a pillar-type insect trap shown in FIG. 1, which due to symmetry is the same as the right side view.

The broken line showing of a pillar-type insect trap is for the purpose of illustrating environmental structure and forms no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



(56)

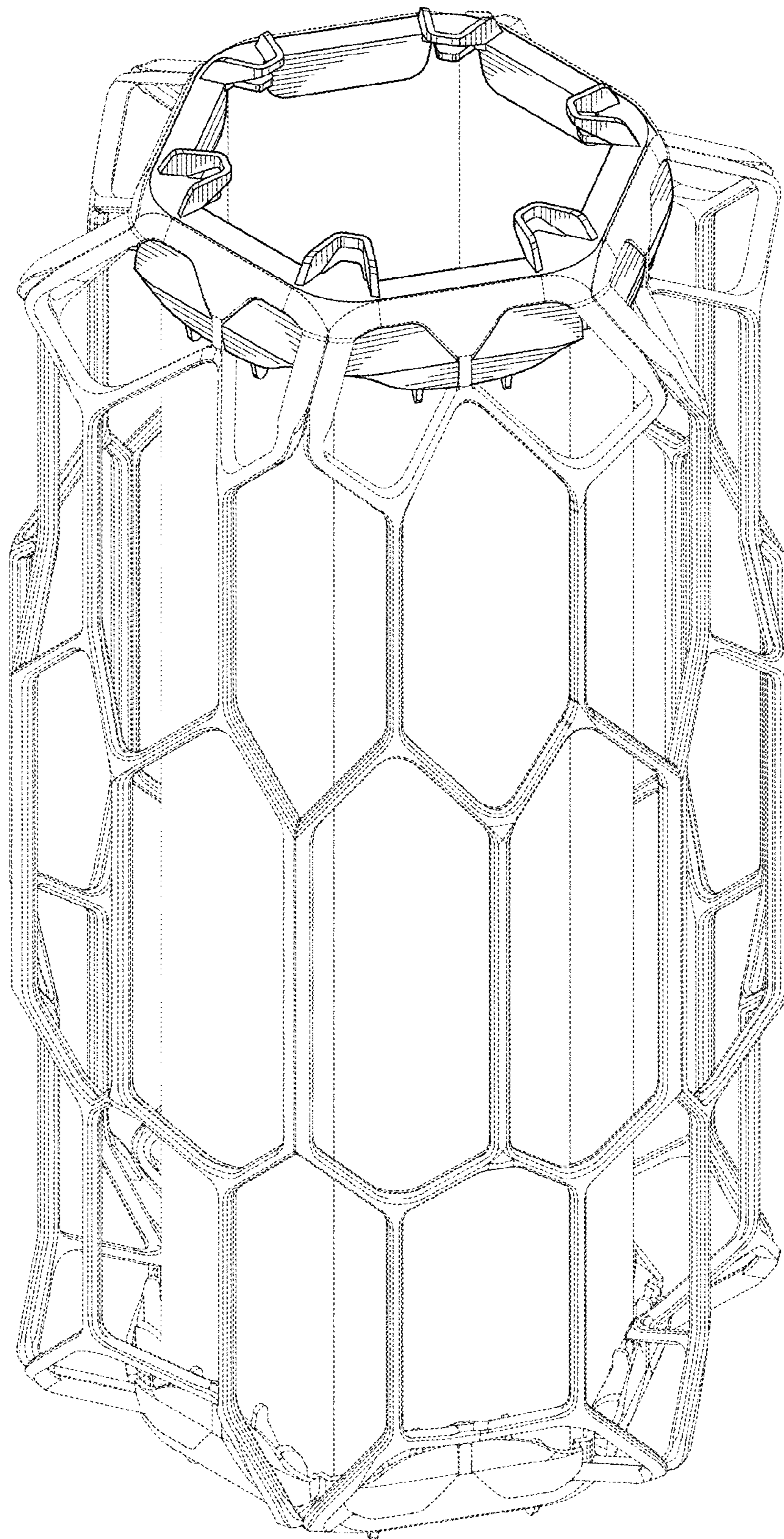
**References Cited**

OTHER PUBLICATIONS

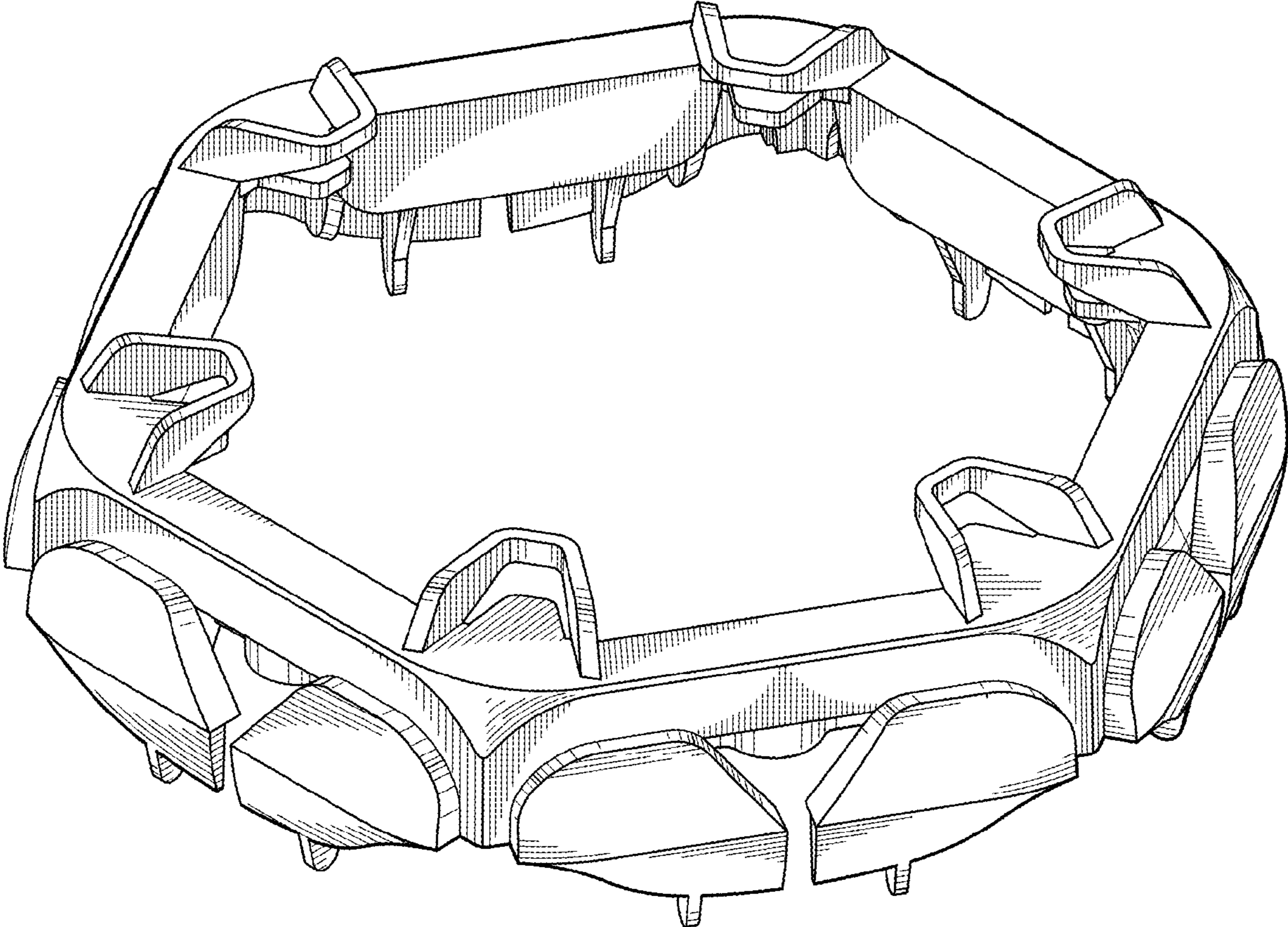
Zhang, Q.-H., et al., "Pillar Device for Adhesive Insect Capture With Bird Guards," U.S. Appl. No. 15/943,649, filed Apr. 2, 2018, 17 pages.

Zhang, Q.-H., et al., "Pillar Insect Trap With Bird Guards," Design U.S. Appl. No. 29/642,832, filed Apr. 2, 2018, 6 pages.

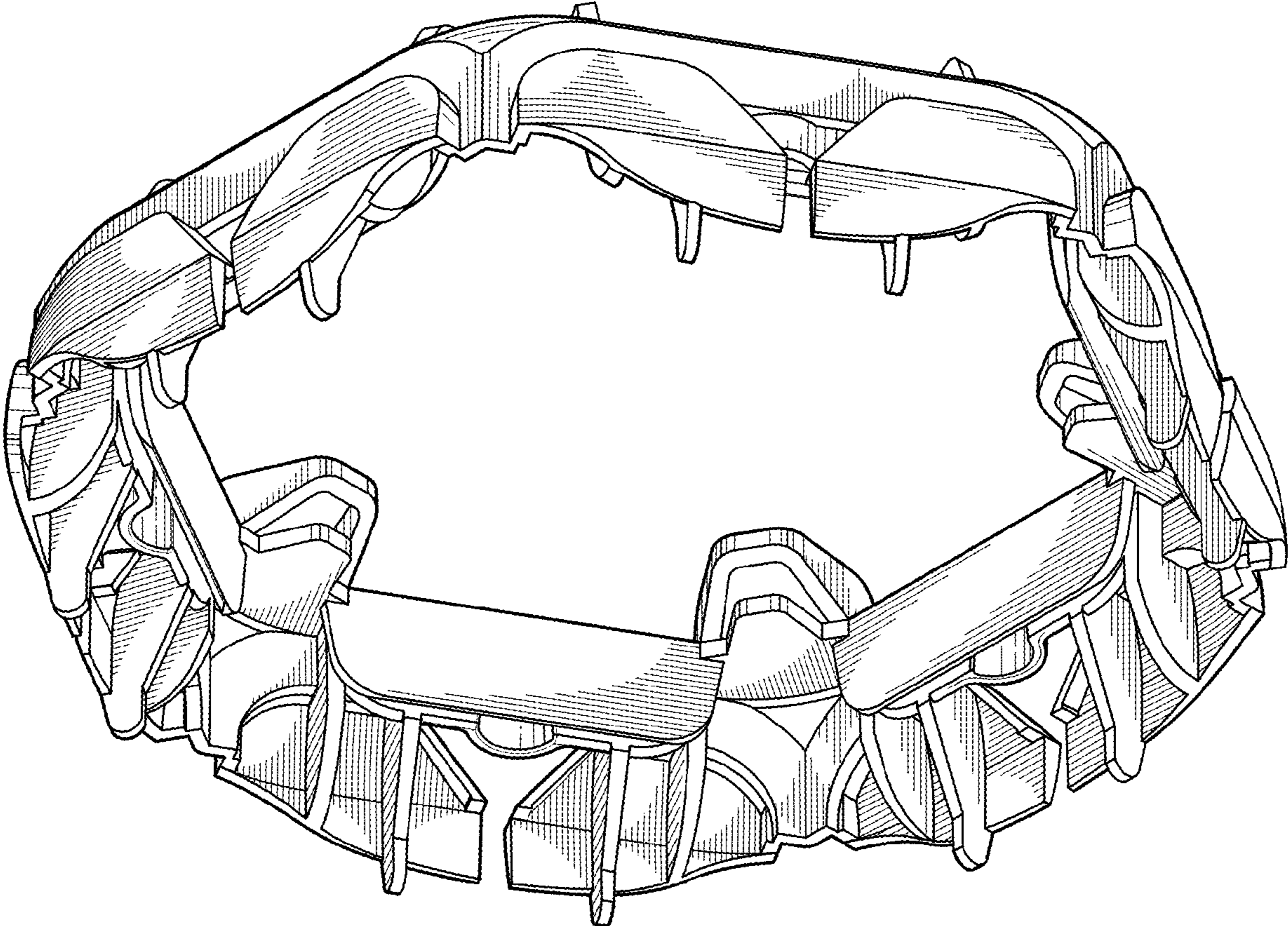
\* cited by examiner



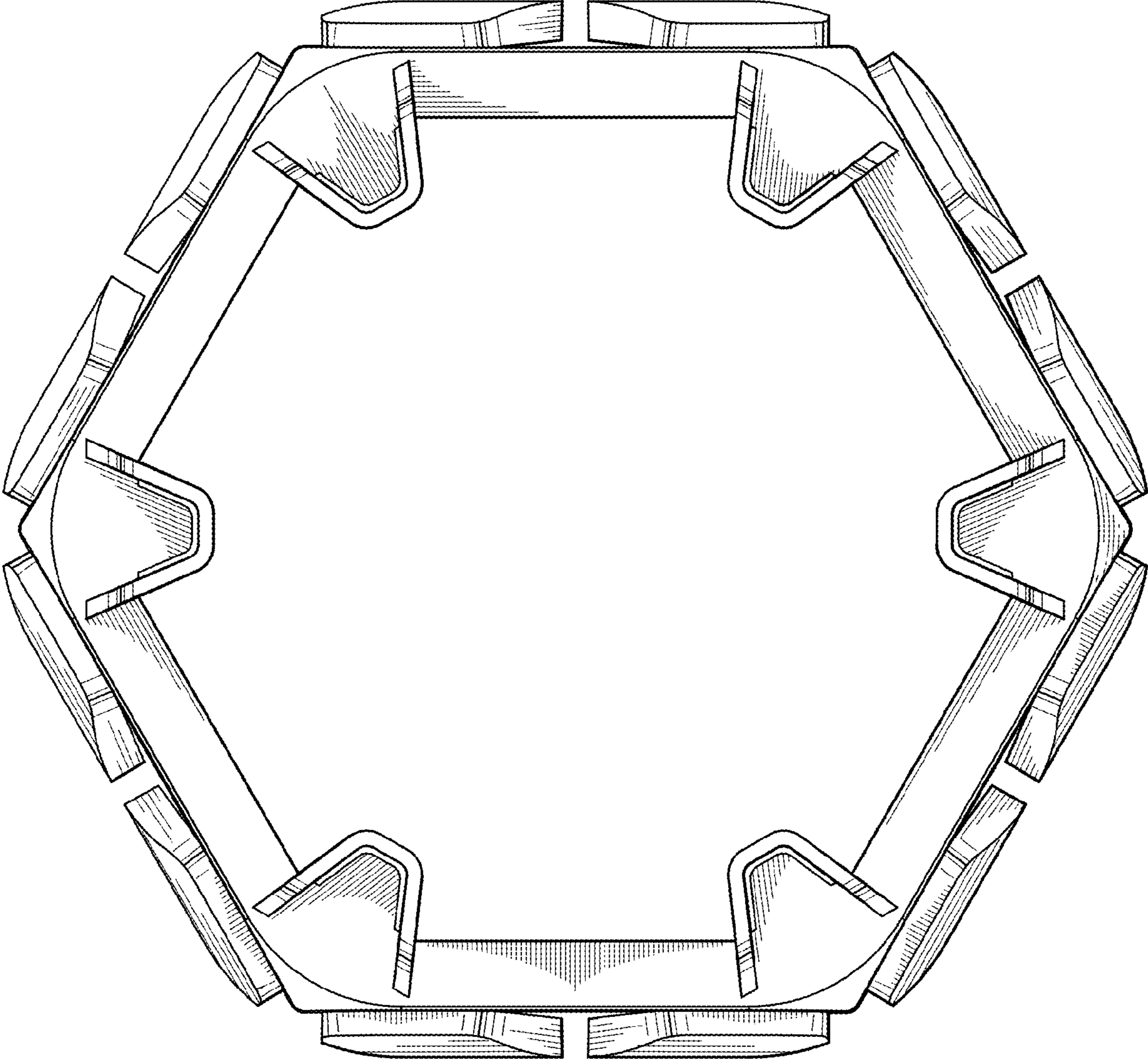
*Fig. 1.*



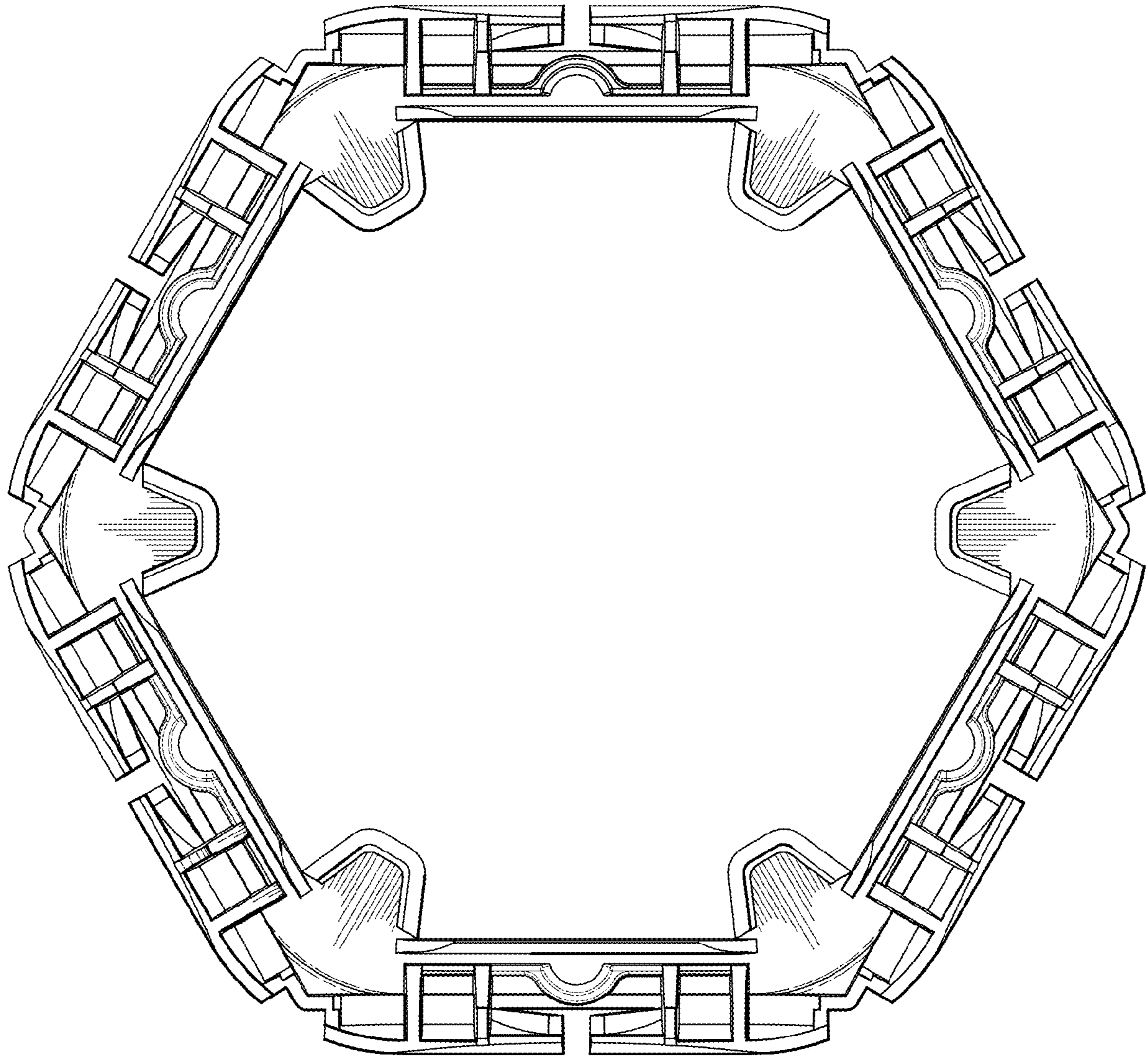
*Fig. 2.*



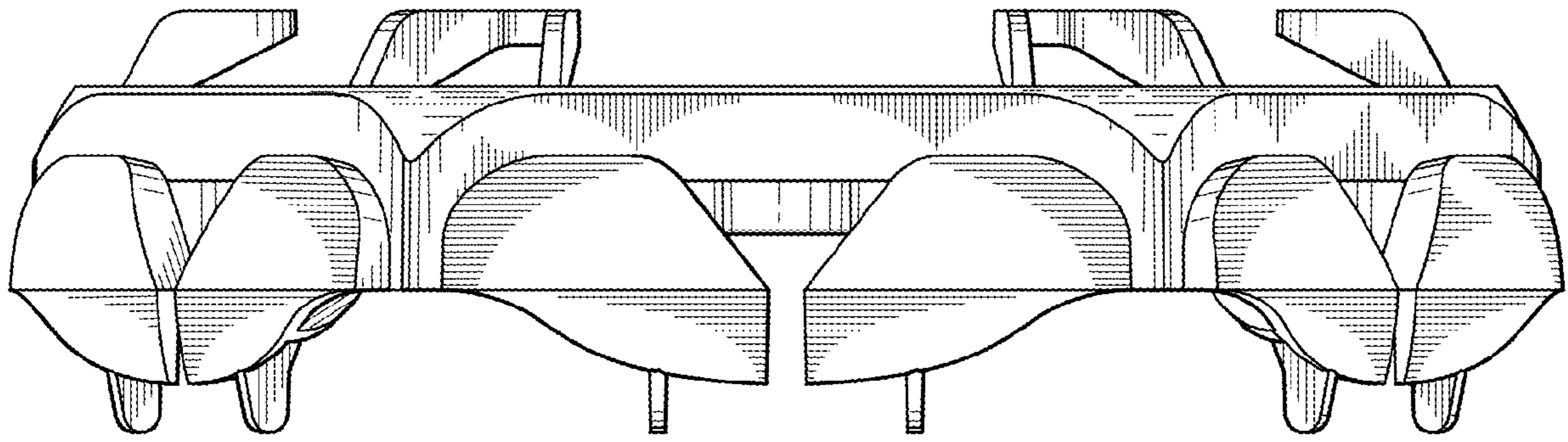
*Fig. 3.*



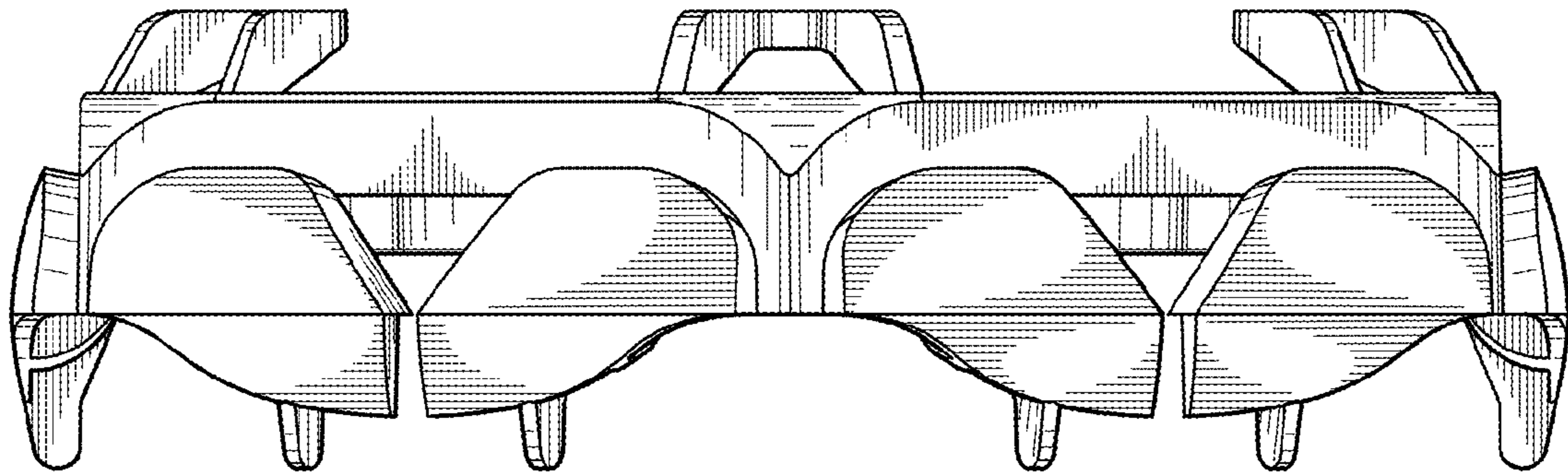
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



*Fig. 7.*