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

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- (54) **CENTRALIZER**
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- (\*\*) Term: **15 Years**
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- (51) **LOC (12) Cl.** ..... **15-04**
- (52) **U.S. Cl.**  
USPC ..... **D15/21**
- (58) **Field of Classification Search**  
USPC ..... D15/21, 123, 138, 139, 140, 141, 142, 143, 144, 144.1, 144.2; D8/70; D23/213, 223  
CPC ..... E21B 17/1028; E21B 17/1078; E21B 17/1064  
See application file for complete search history.

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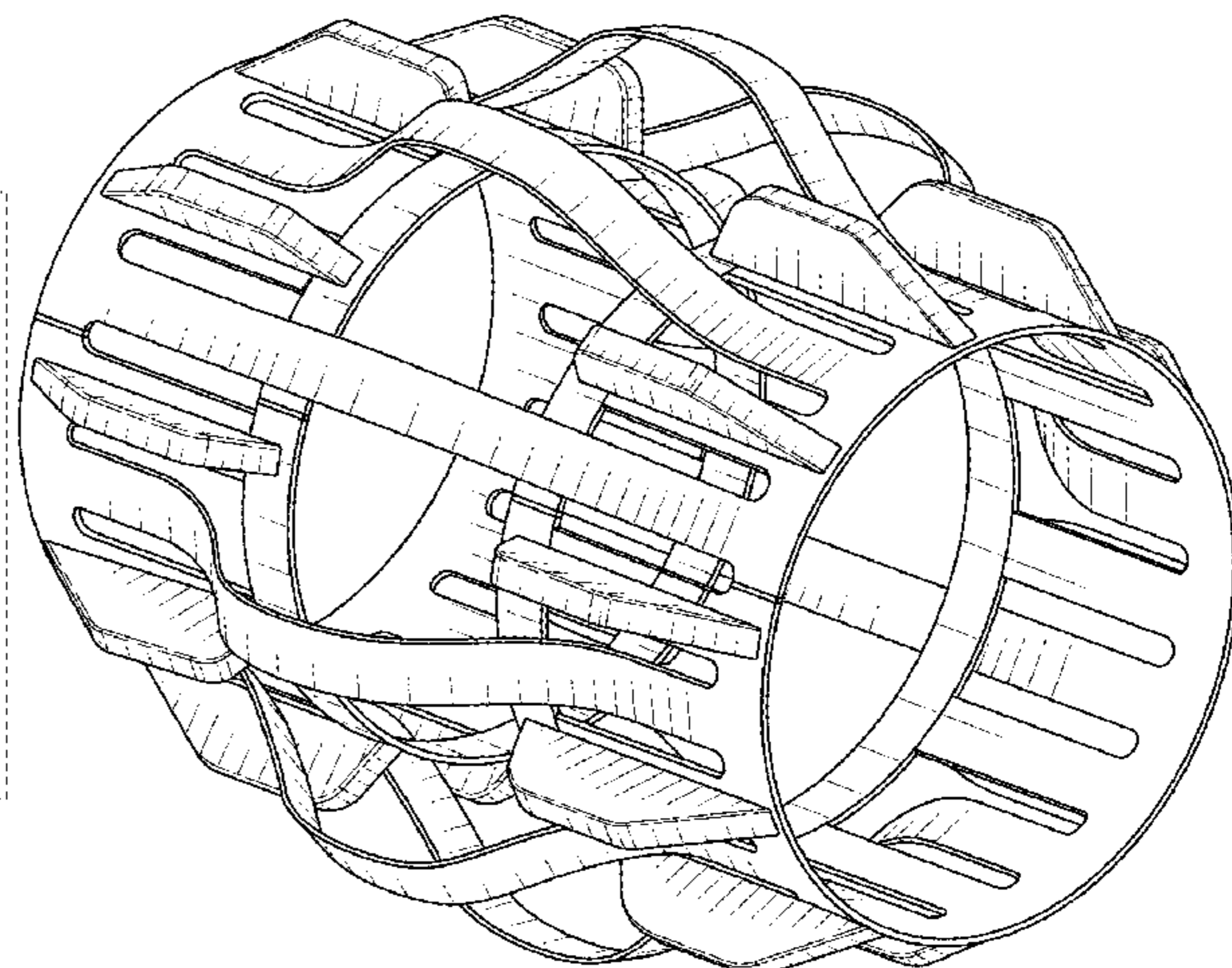
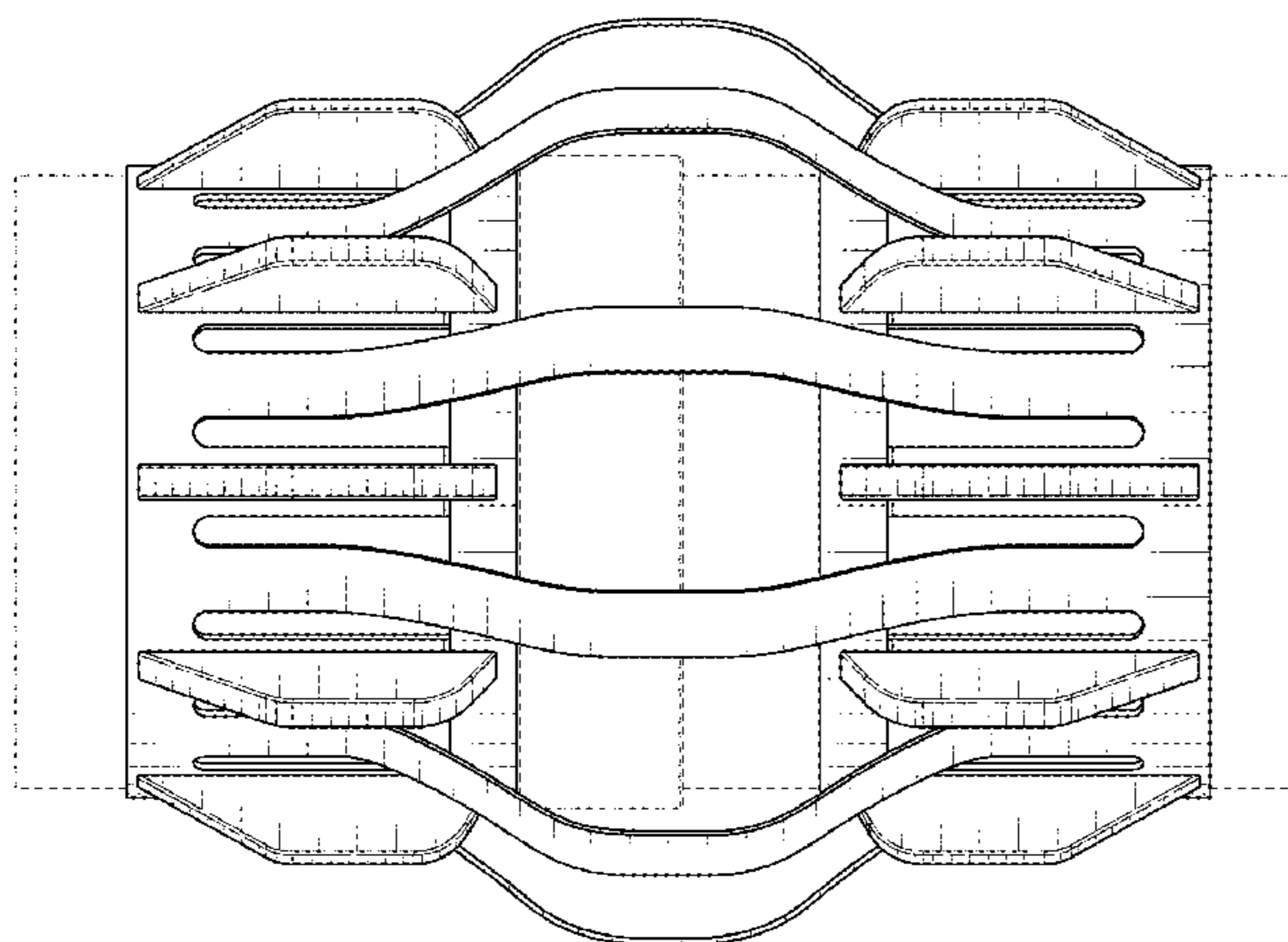
(57) **CLAIM**

The ornamental design for a centralizer, as shown and described.

**DESCRIPTION**

FIG. 1 is a side elevation view of a centralizer, showing our new design;  
FIG. 2 is an axial end, elevation view of the centralizer.  
FIG. 3 is a perspective view of the centralizer, with unclaimed environment not shown.  
FIG. 4 is an axial end, elevation view of the centralizer, with unclaimed environment not shown; and,  
FIG. 5 is a side elevation view of the centralizer.  
The broken lines in the drawings depict unclaimed environmental subject matter only and form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



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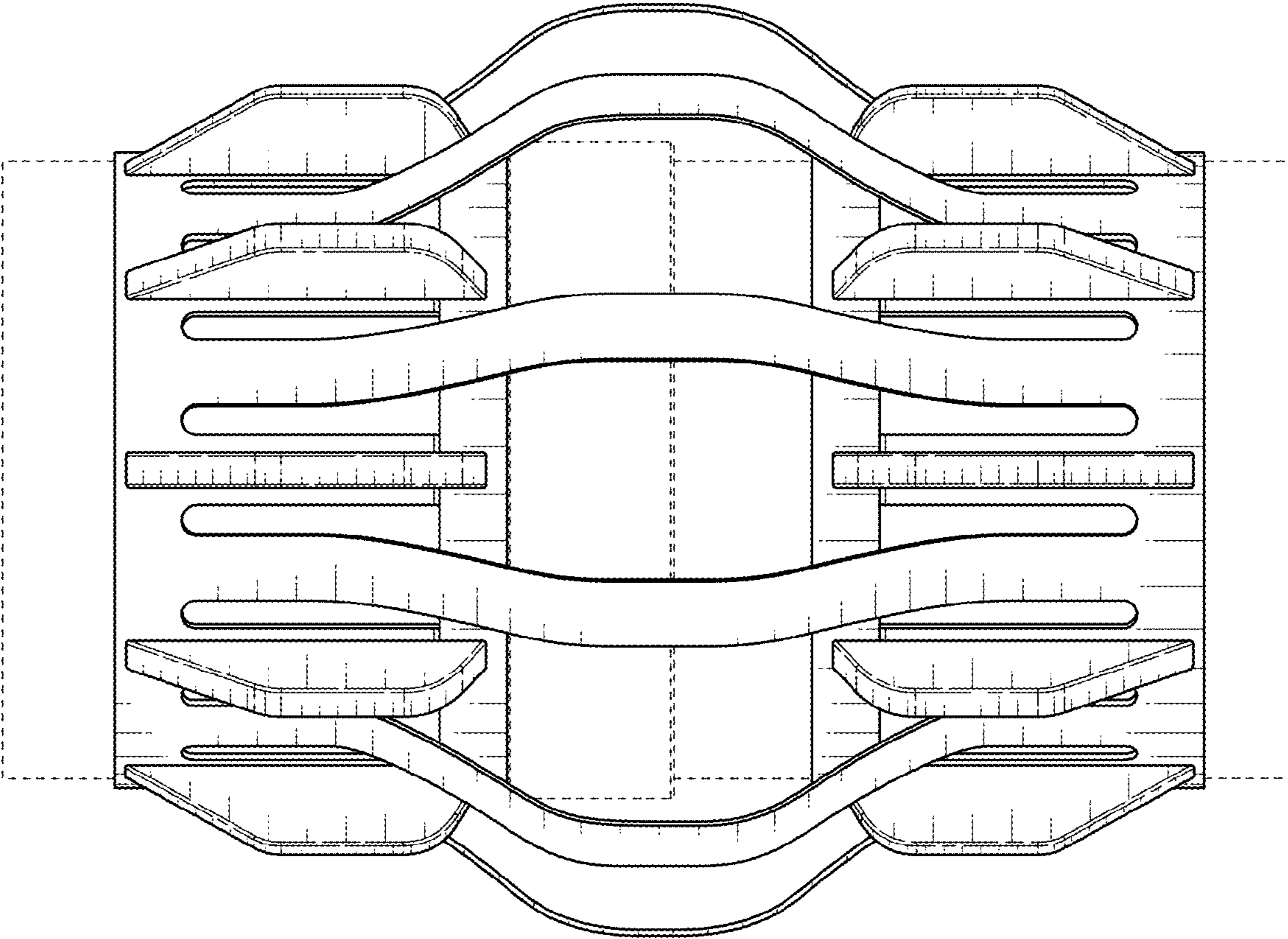


FIG. 1

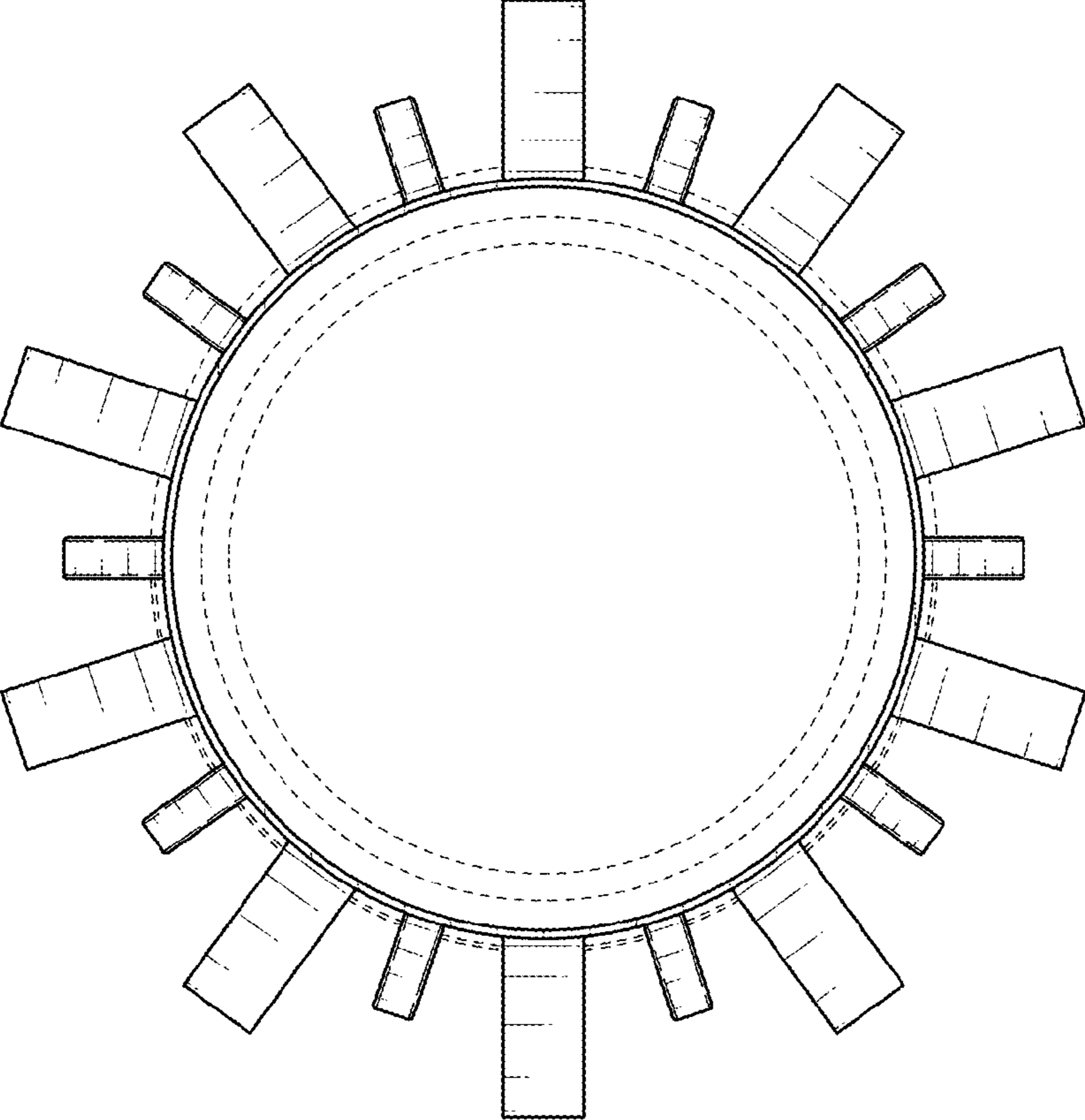


FIG. 2

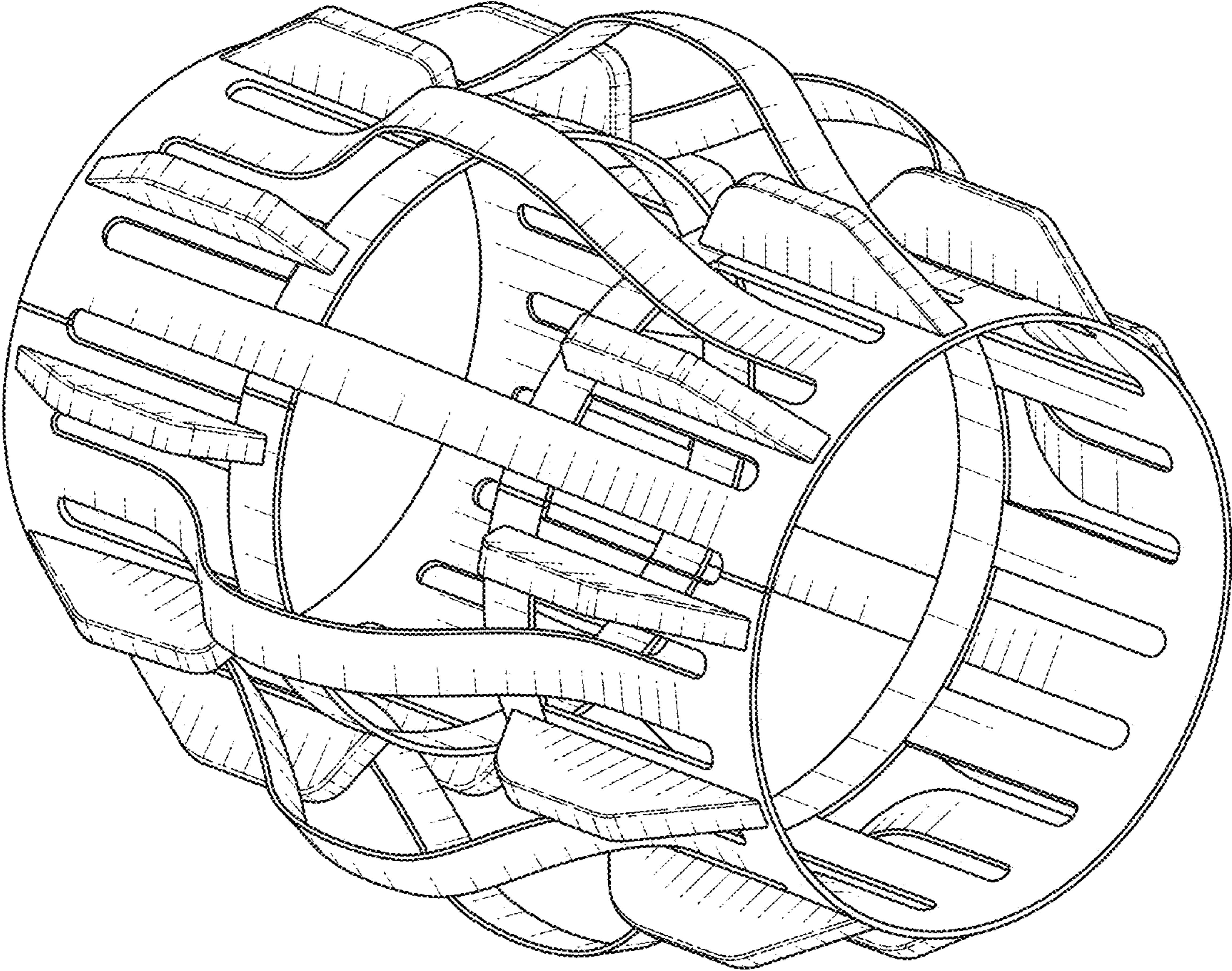


FIG. 3

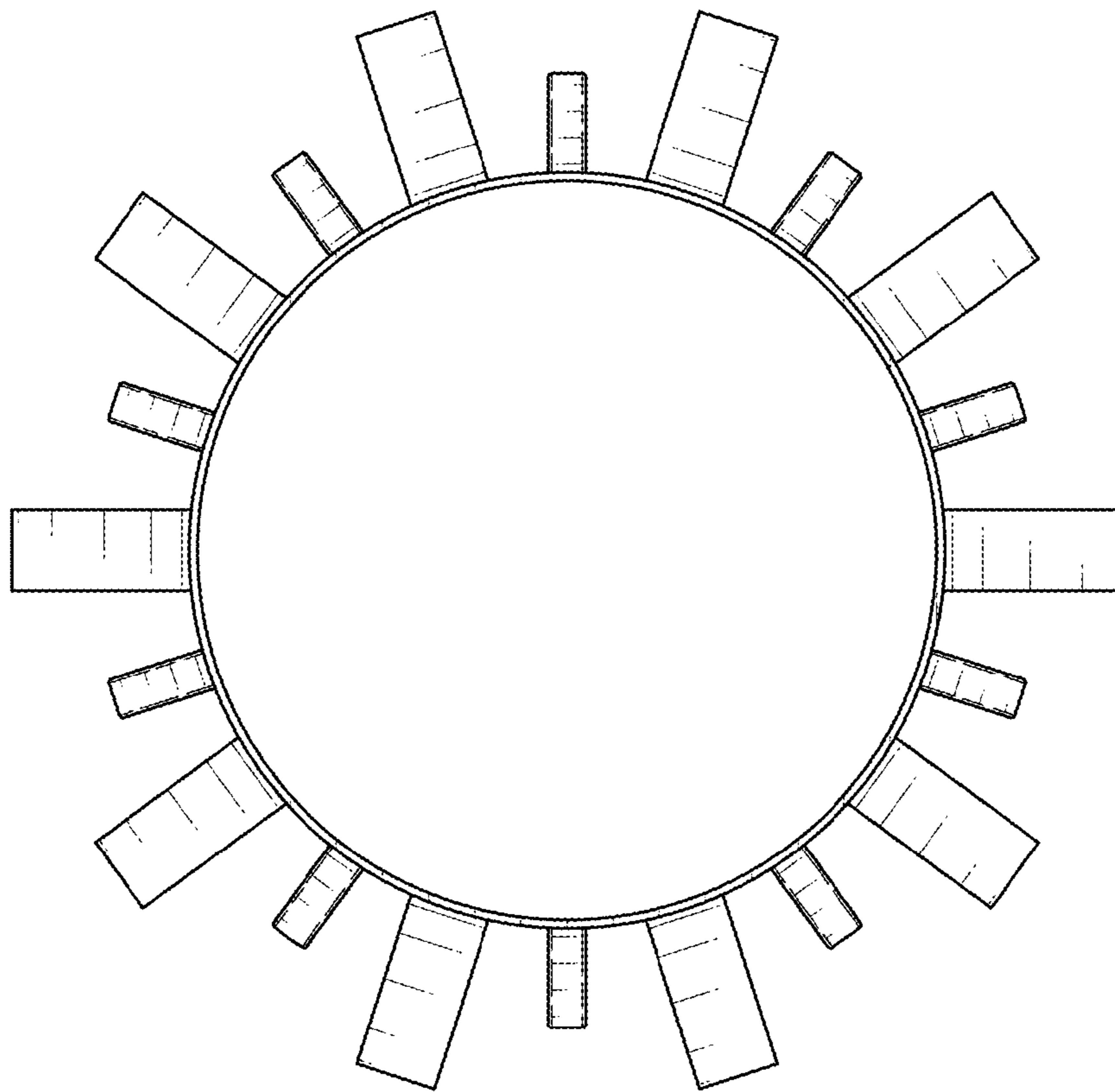


FIG. 4

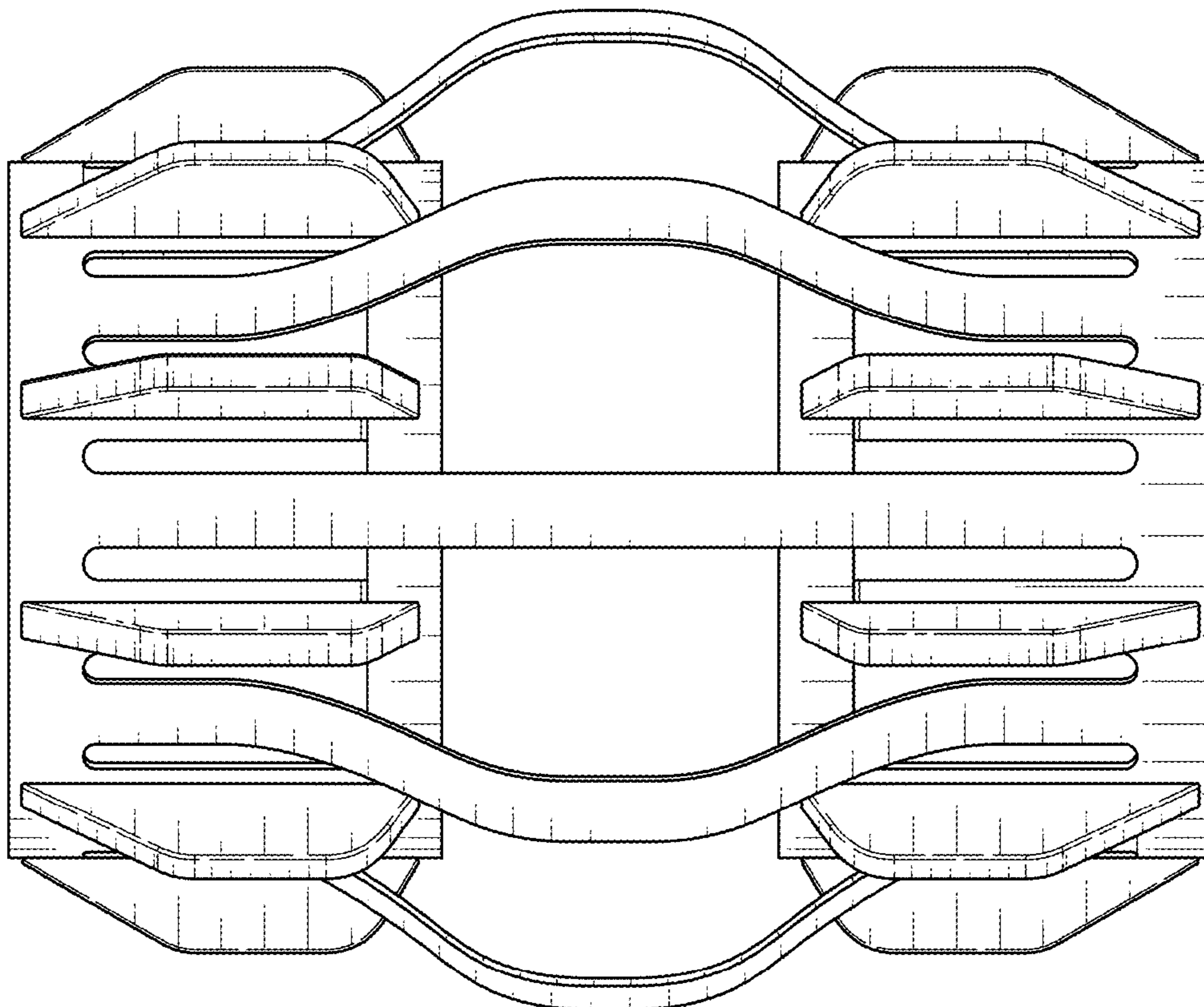


FIG. 5