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(12)

United States Design Patent

Blackburn

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(54) CORD TIGHTENING DEVICE

(71) Applicant: Anthony Clark Blackburn,
McDonough, GA (US)

(72) Inventor: Anthony Clark Blackburn,
McDonough, GA (US)

(**) Term: 15 Years

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(52) U.S. Cl. D8/354

(58) Field of Classification Search

USPC D8/383, 394, 395, 354, 356; D2/978,
D2/853, 609, 999; D11/215

(Continued)

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Primary Examiner — Sheryl Lane

Assistant Examiner — Ieisha N Price

(57) CLAIM

The ornamental design for a cord tightening device, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of the base of the cord tightening device;

FIG. 2 is a right side view of the base of the cord tightening device;

FIG. 3 is a left side view of the base of the cord tightening device;

FIG. 4 is a front view of the base of the cord tightening device;

FIG. 5 is a back view of the base of the cord tightening device;

FIG. 6 is a top view of the base of the cord tightening device;

FIG. 7 is a bottom view of the base of the cord tightening device;

FIG. 8 is a bottom perspective view of the base of the cord tightening device;

FIG. 9 is cross section view of the base of the cord tightening device taken at 9 of FIG. 2;

FIG. 10 is a top perspective view of the spool of the cord tightening device;

FIG. 11 is a front side view of the spool of the cord tightening device;

FIG. 12 is a back side view of the spool of the cord tightening device;

FIG. 13 is a left side view of the spool of the cord tightening device;

FIG. 14 is a right side view of the spool of the cord tightening device;

FIG. 15 is a top side view of the spool of the cord tightening device;

FIG. 16 is a bottom side view of the spool of the cord tightening device;

FIG. 17 is a bottom perspective view of the spool of the cord tightening device;

FIG. 18 is a top perspective view of the cord tightening device, shown in its assembled configuration, a which includes the base, spool, a spring washer and screw;

FIG. 19 is an exploded view of the assembled cord tightening device of FIG. 18;

FIG. 20 is a cross section view of the spool of the cord tightening device taken from line 20-20 of FIG. 15;

FIG. 21 is an enlarged view of a portion of the spool of the cord tightening device taken from indication circle 21 of FIG. 20;

FIG. 22 is an environmental perspective view of the cord tightening device;

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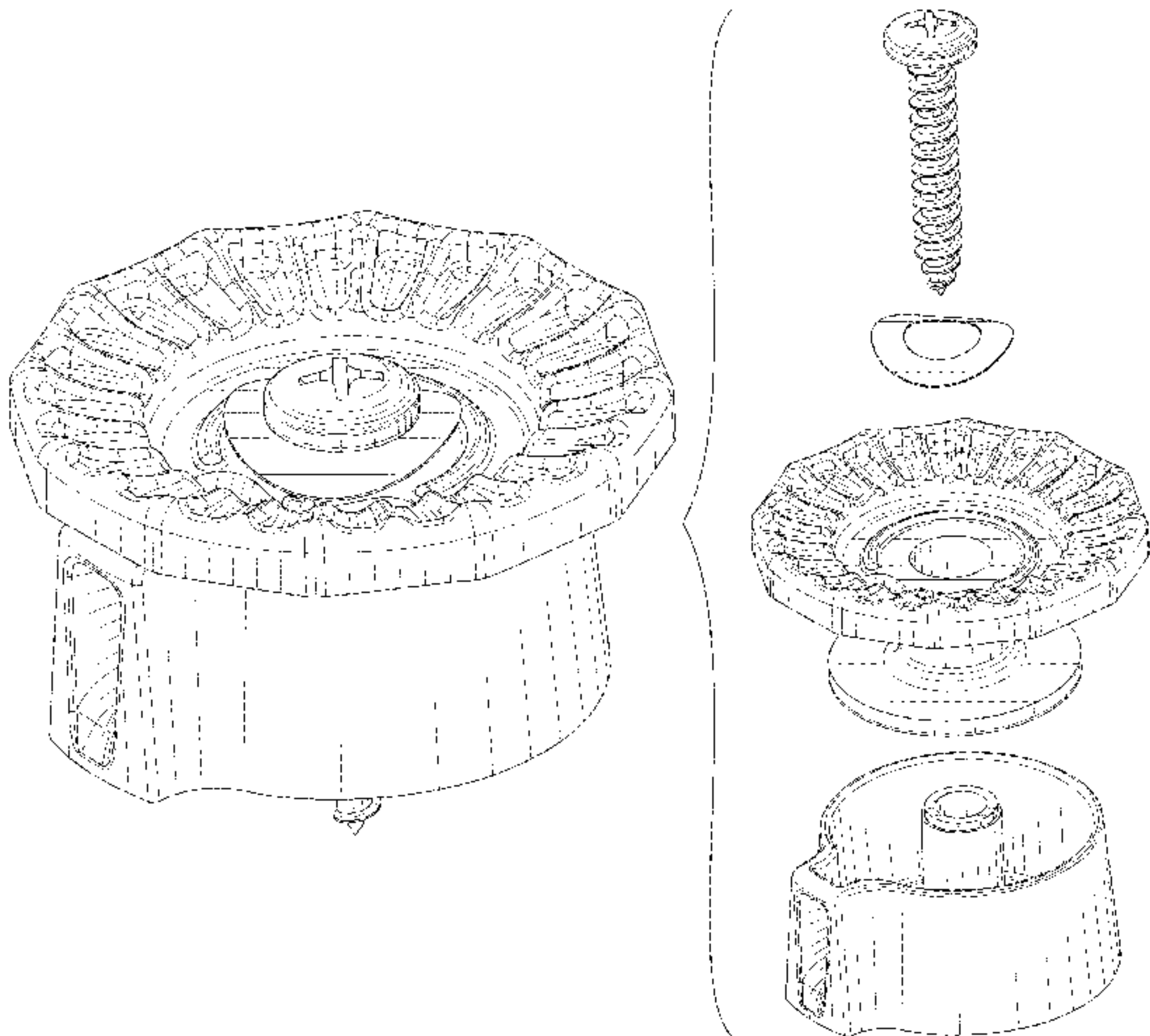


FIG. 23 is a second environmental perspective view of the cord tightening device;
FIG. 24 is a third environmental perspective view of the cord tightening device;
FIG. 25 is a fourth environmental perspective view of the cord tightening device;
FIG. 26 is a fifth environmental perspective view of the cord tightening device, shown in an open configuration. The spring washer and screw have been removed for ease of illustration; and,
FIG. 27 shows a front perspective view of the cord tightening device.
The broken lines rendered in the drawings illustrates the environment of the claimed design and forms no part thereof.

1 Claim, 22 Drawing Sheets

(58) Field of Classification Search

CPC F16G 11/10; F16G 11/101; F16G 11/103;
F16G 11/105; F16G 11/106; F16G 11/103;
F16G 11/00; F16G 11/04; F16G 11/06;
F16G 11/048; F16G 11/05; F16G 11/146;
F16G 11/14; F16G 11/02; A43C 1/00;
A43C 1/06

See application file for complete search history.

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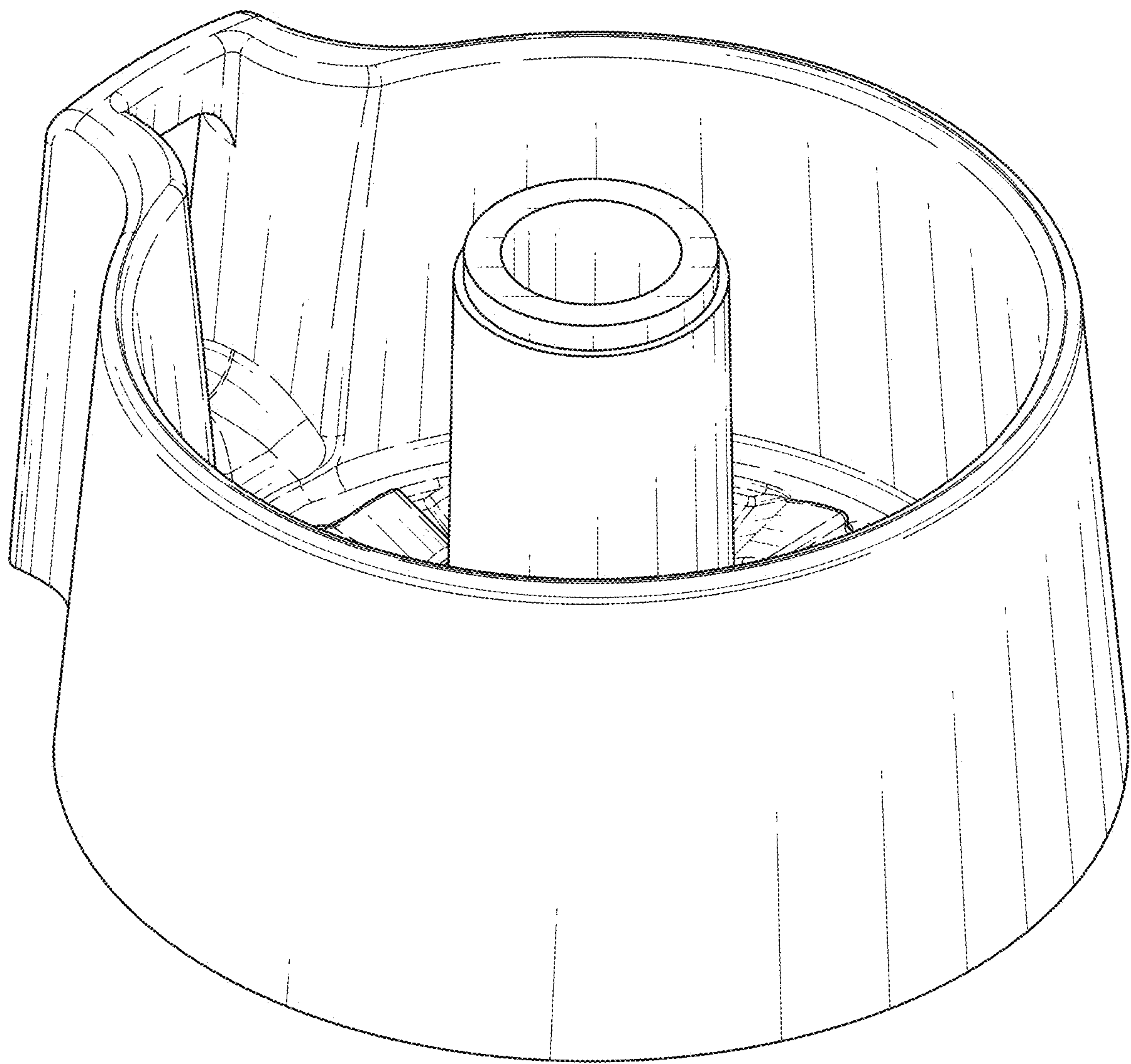


FIG. 1

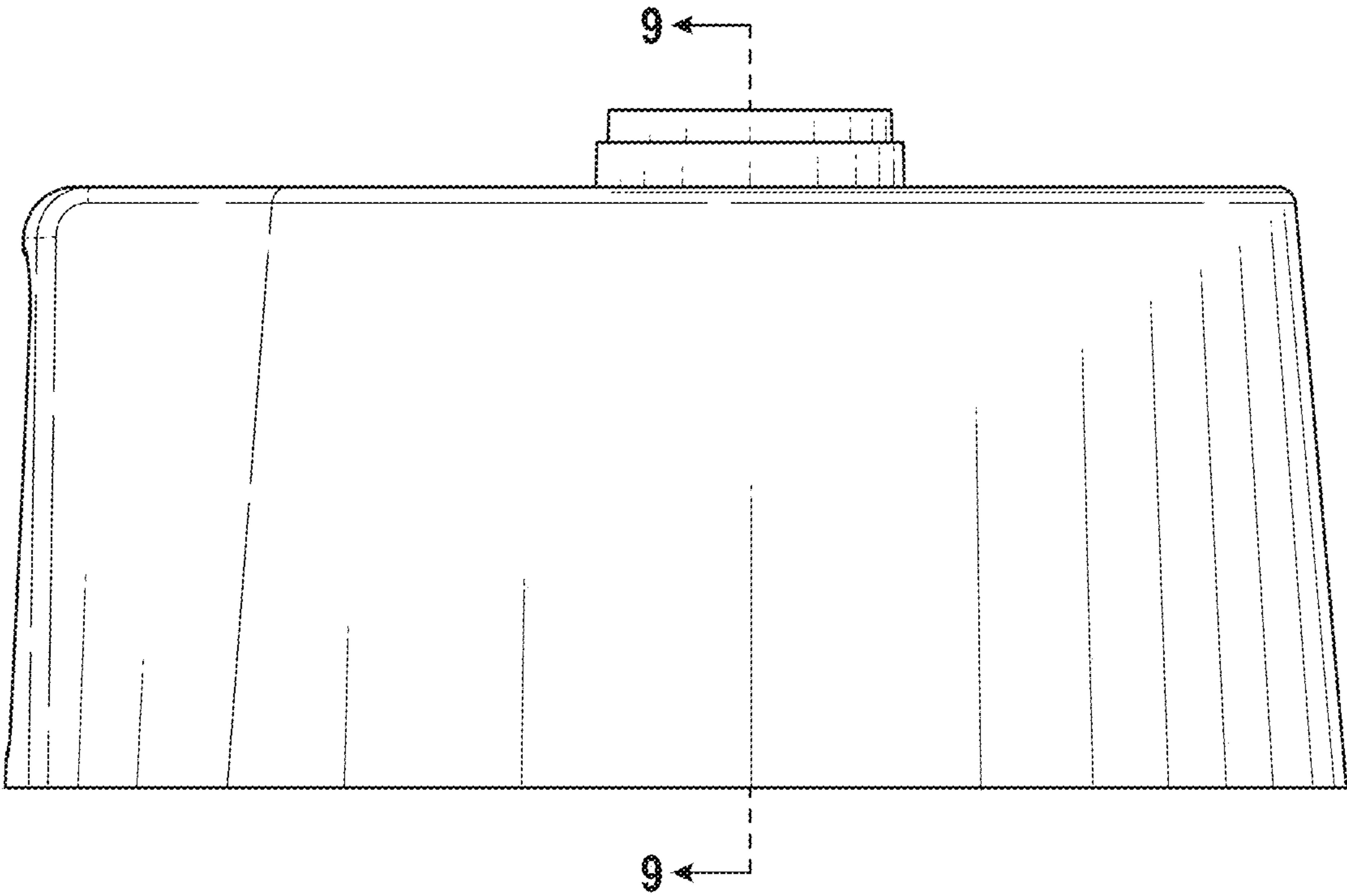


FIG. 2

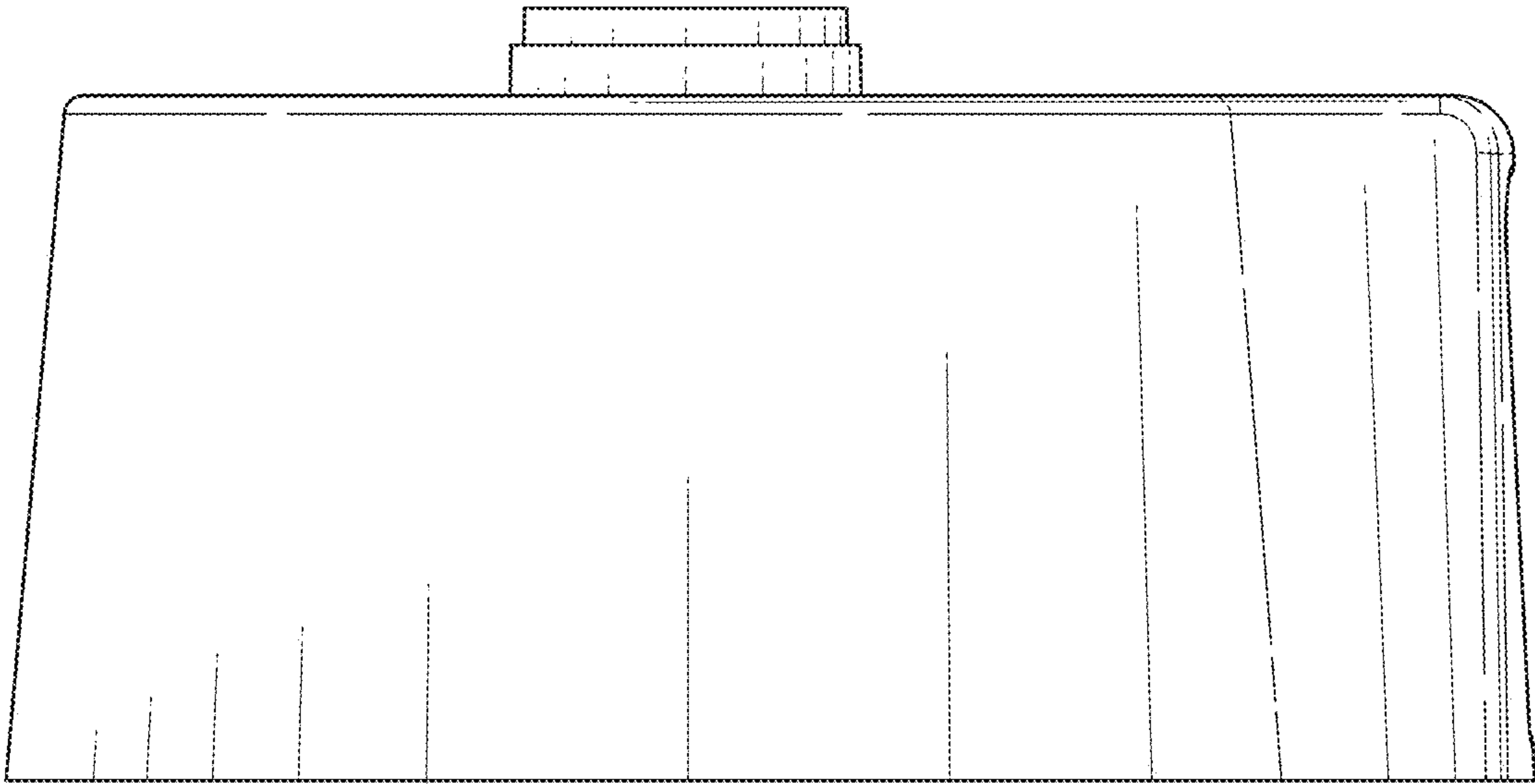


FIG. 3

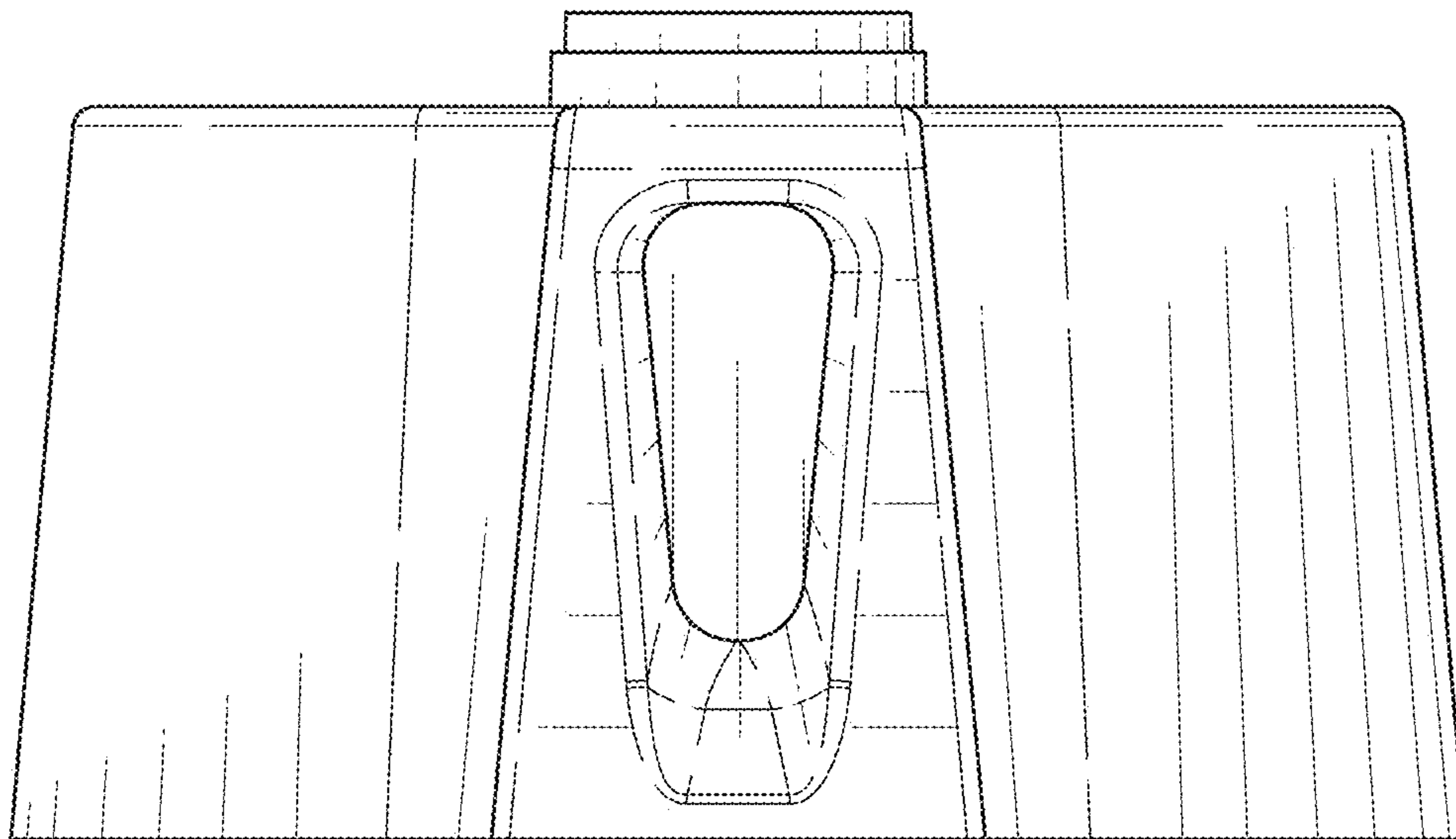


FIG. 4

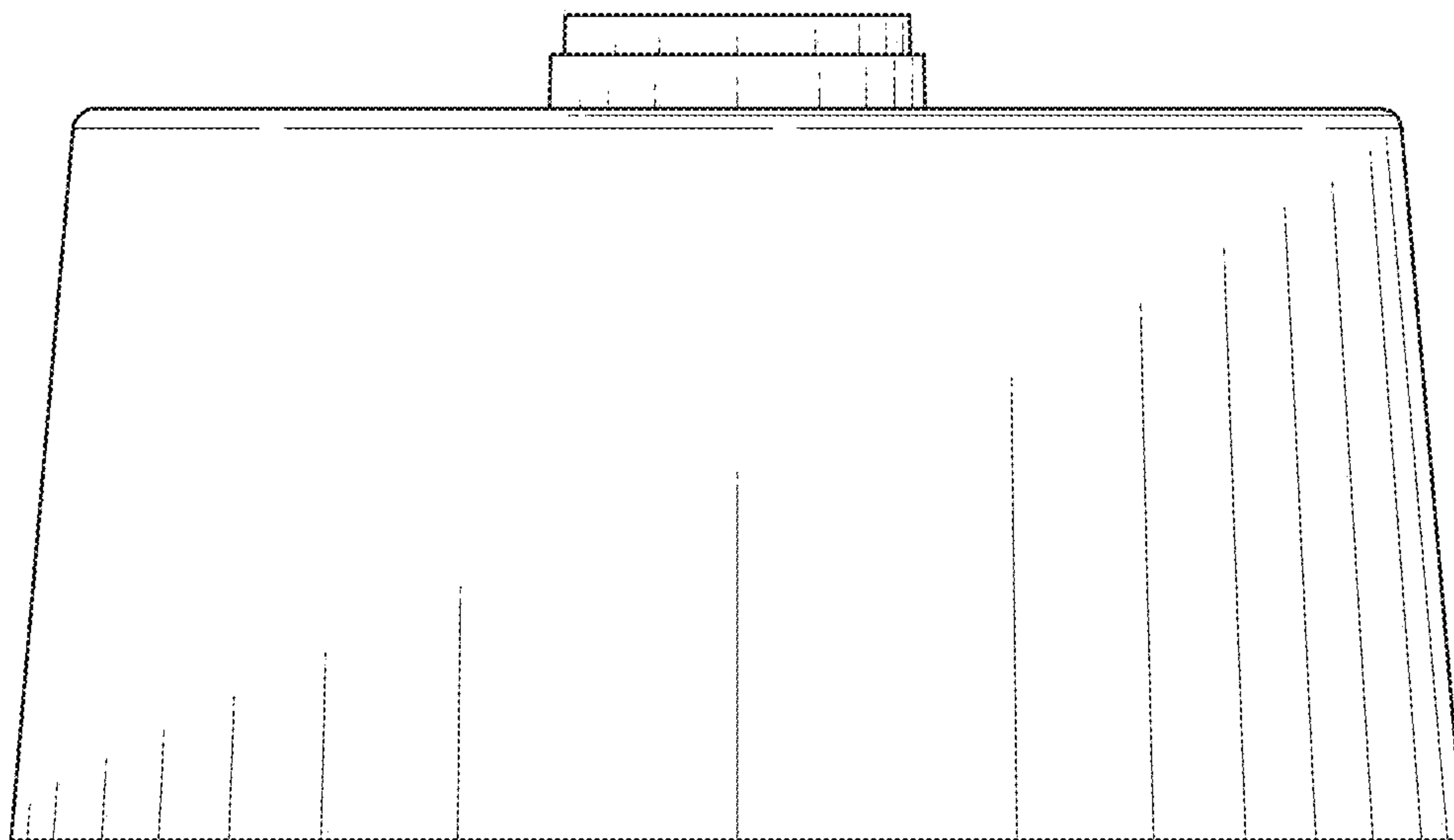


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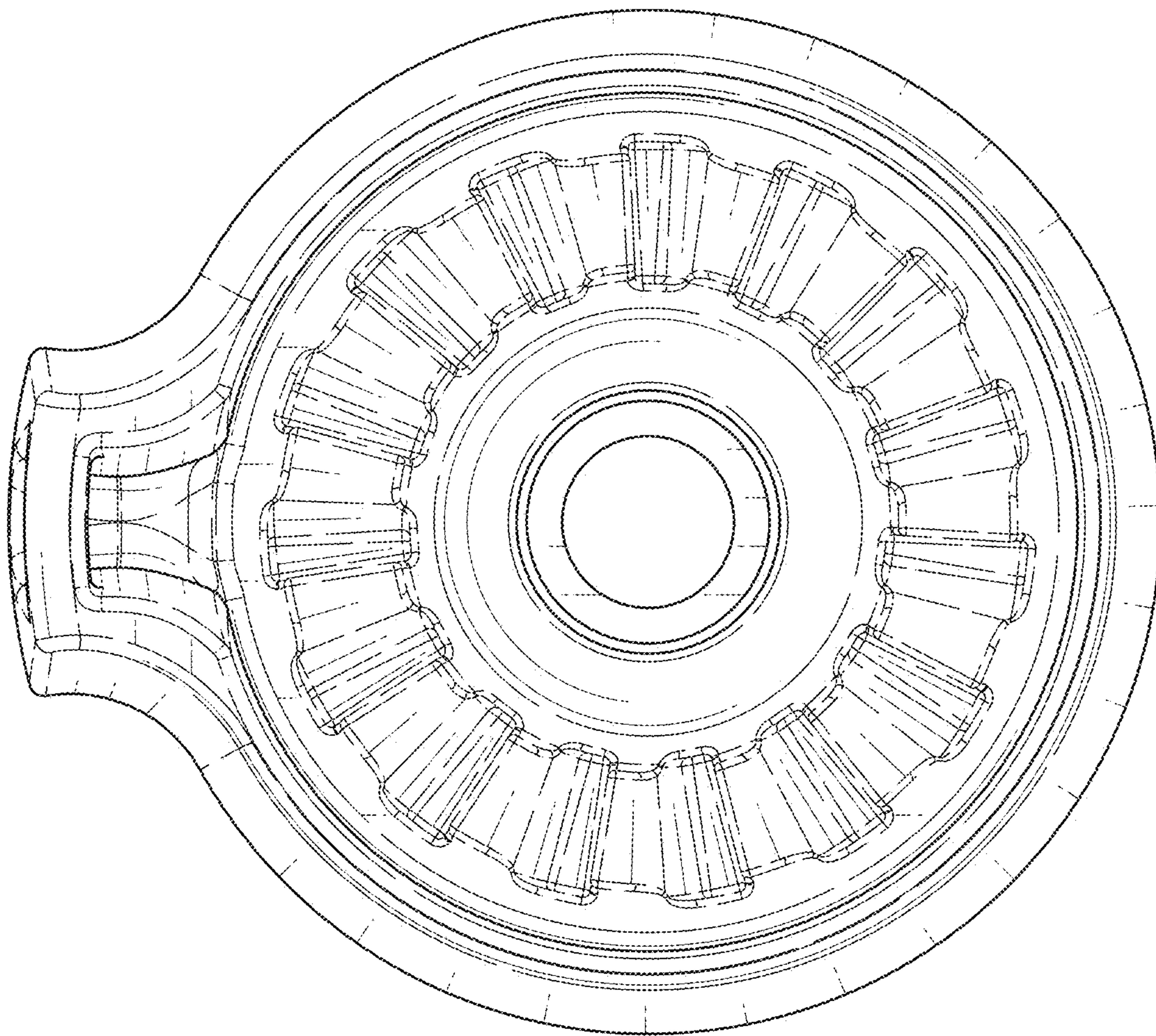


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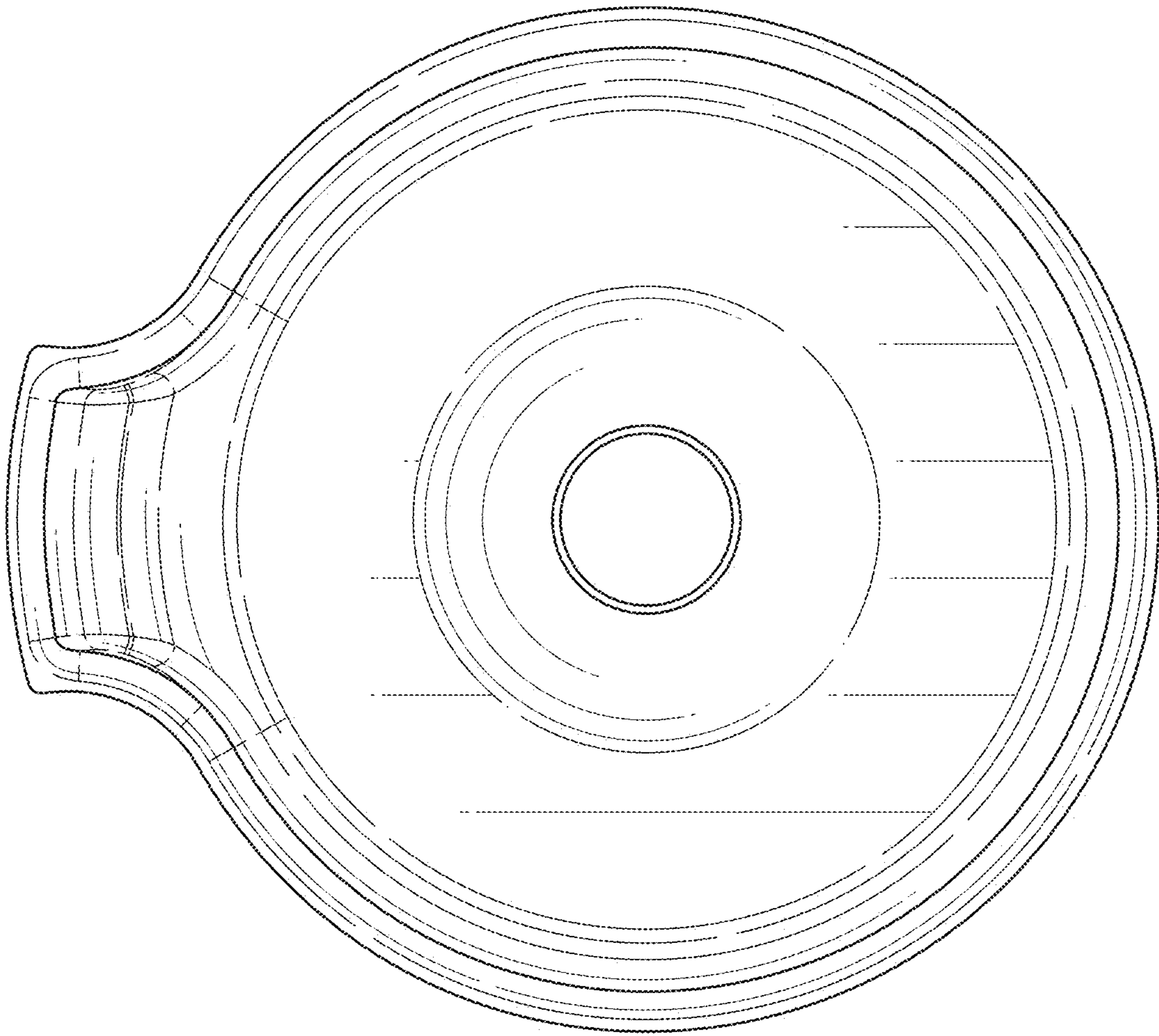


FIG. 7

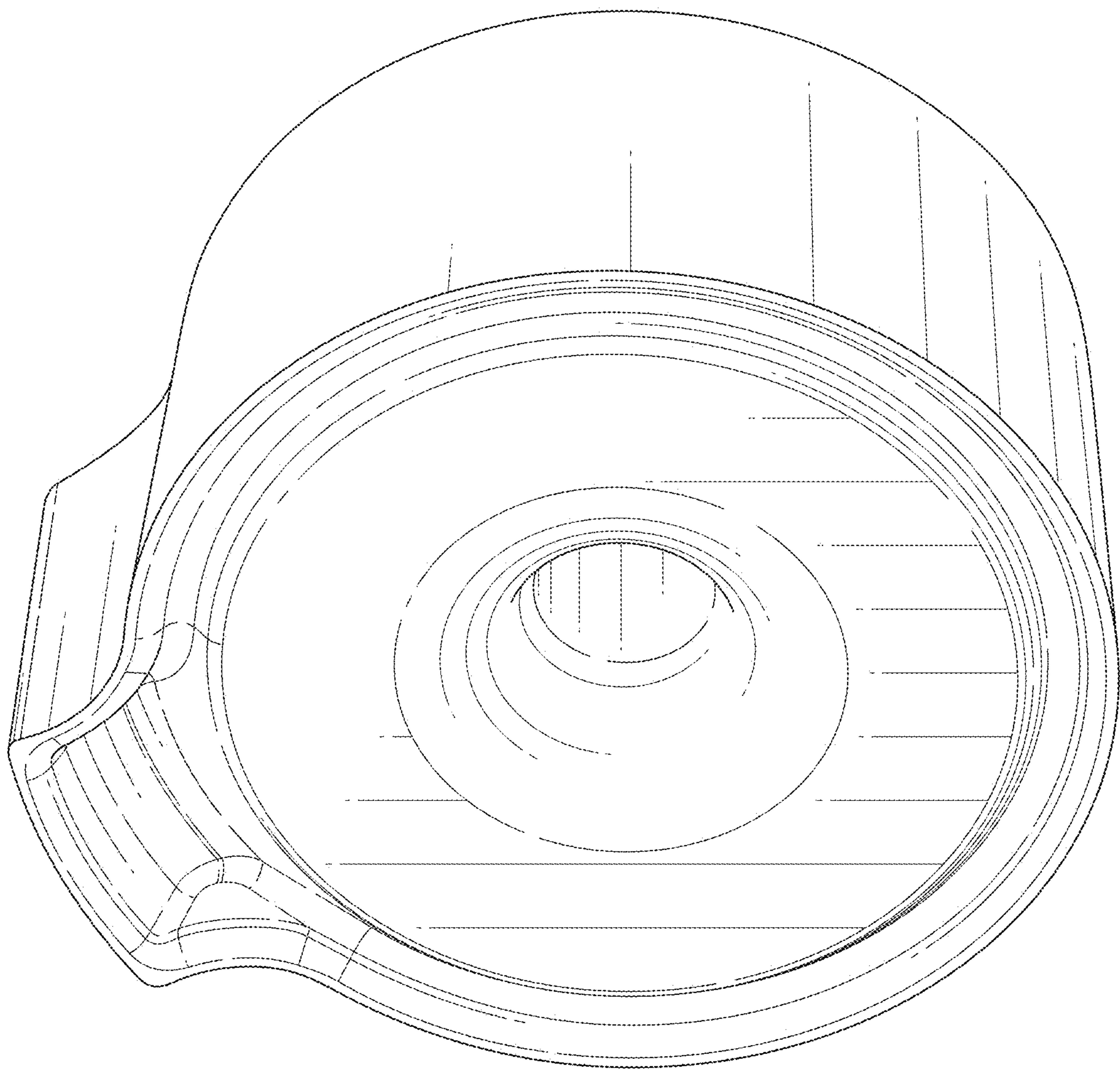


FIG. 8

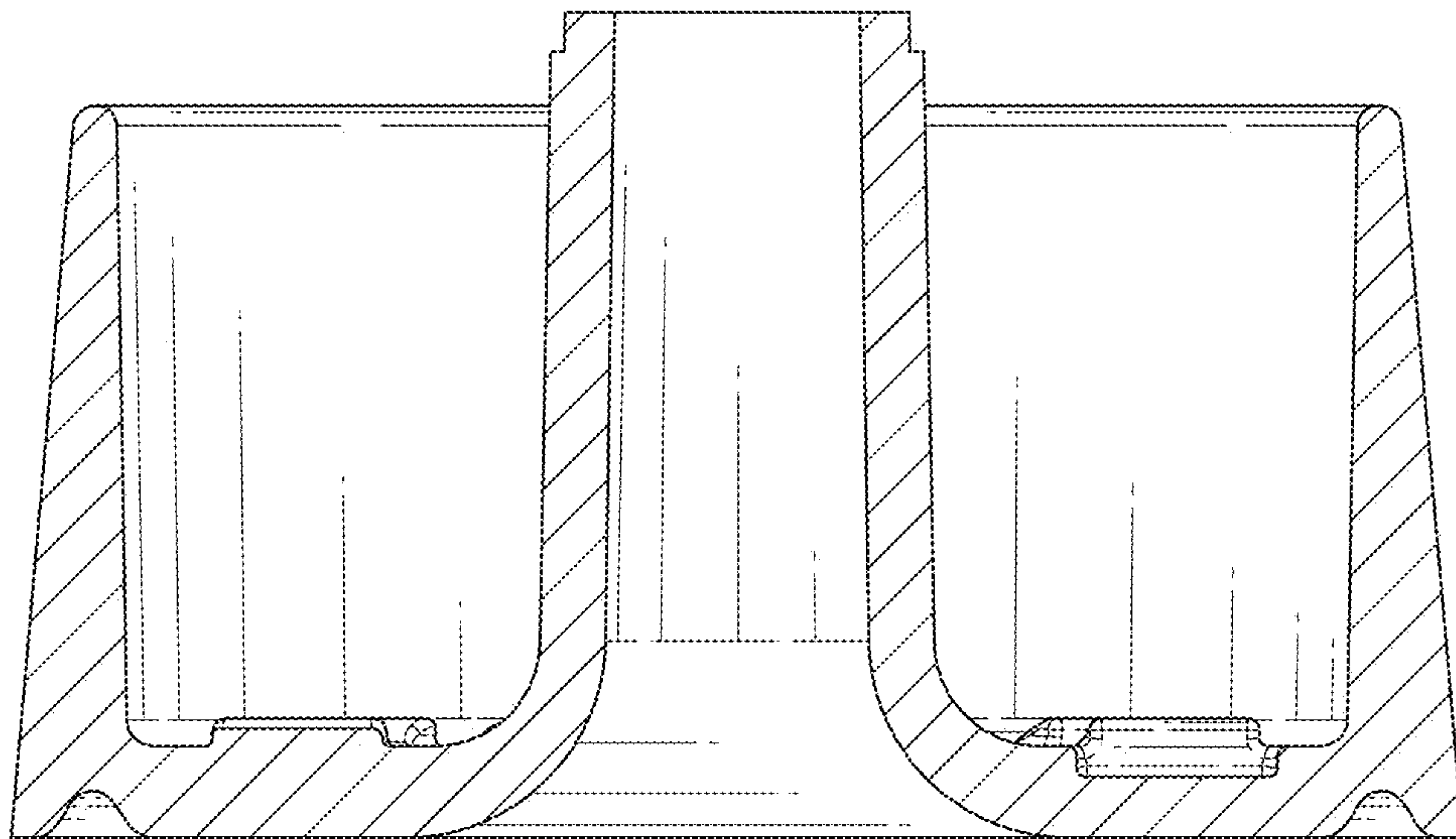


FIG. 9

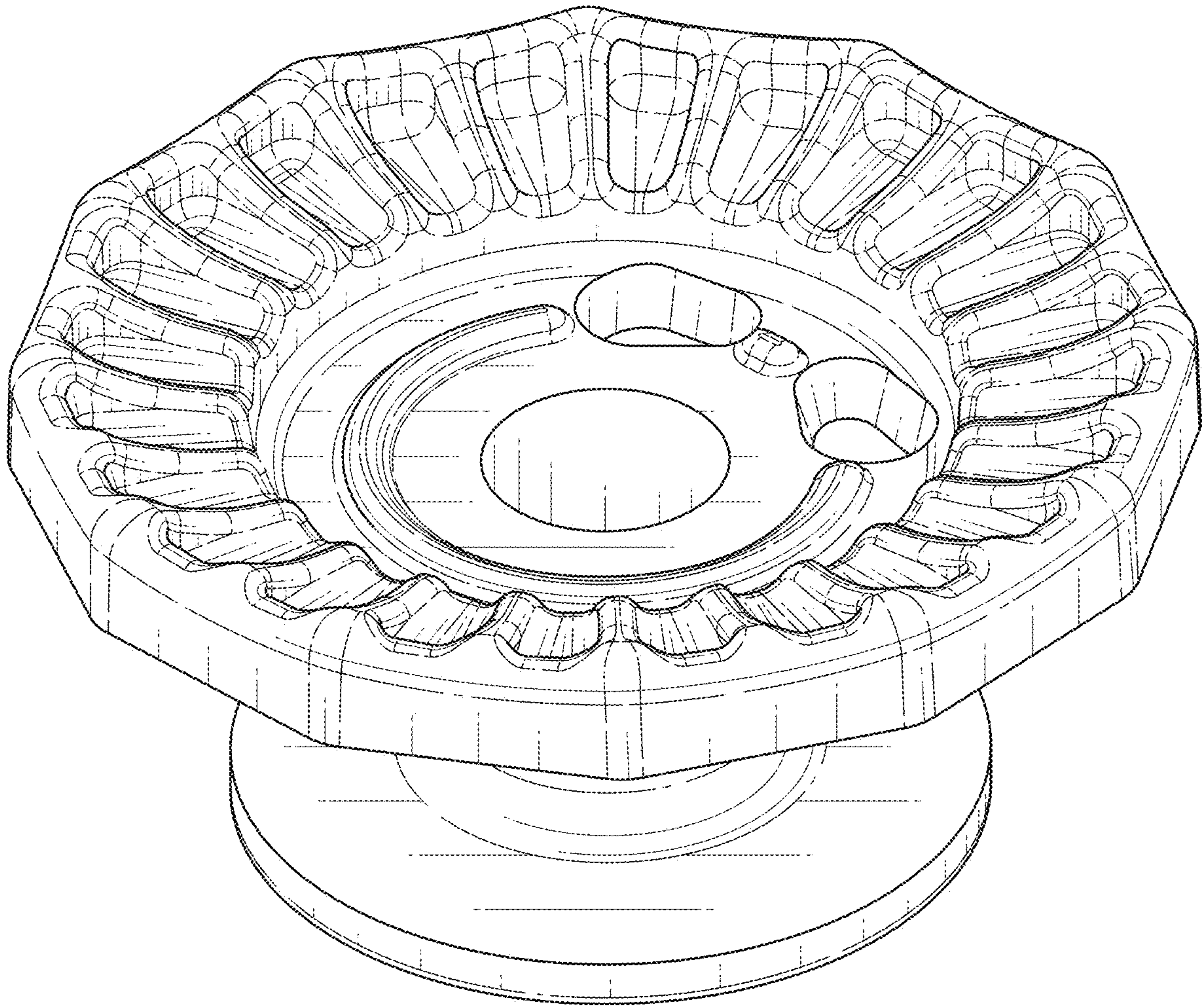


FIG. 10

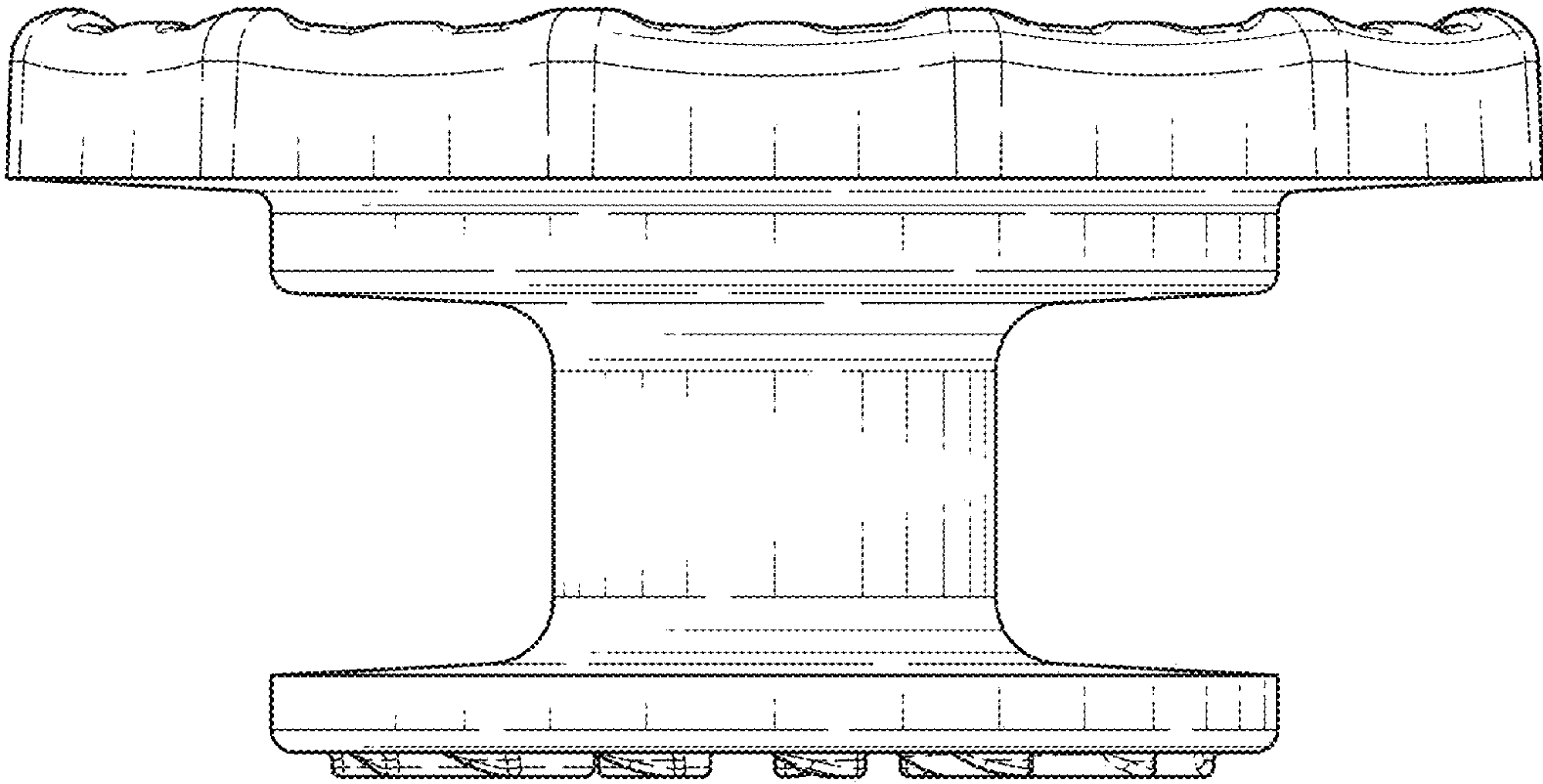


FIG. 11

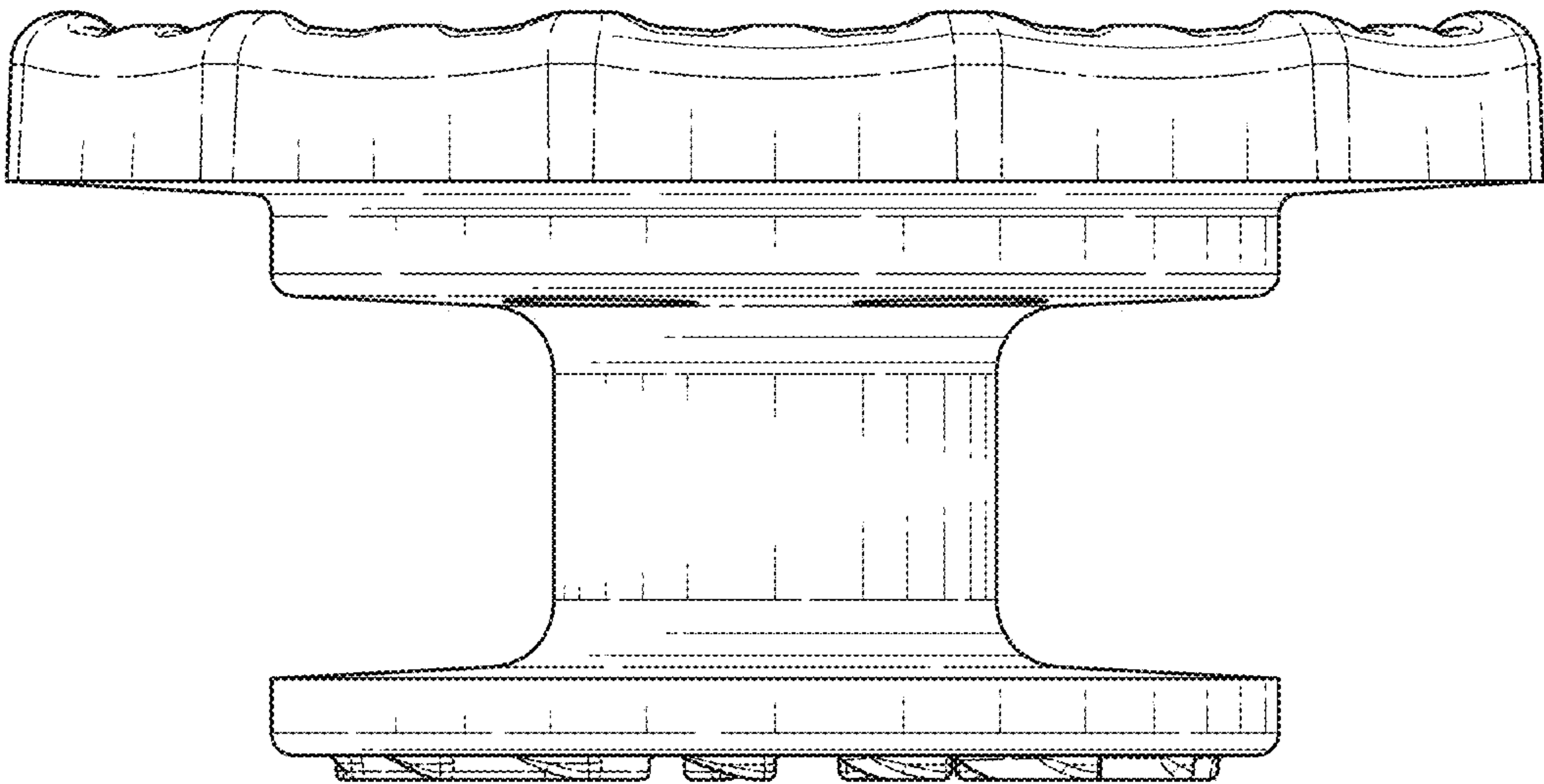


FIG. 12

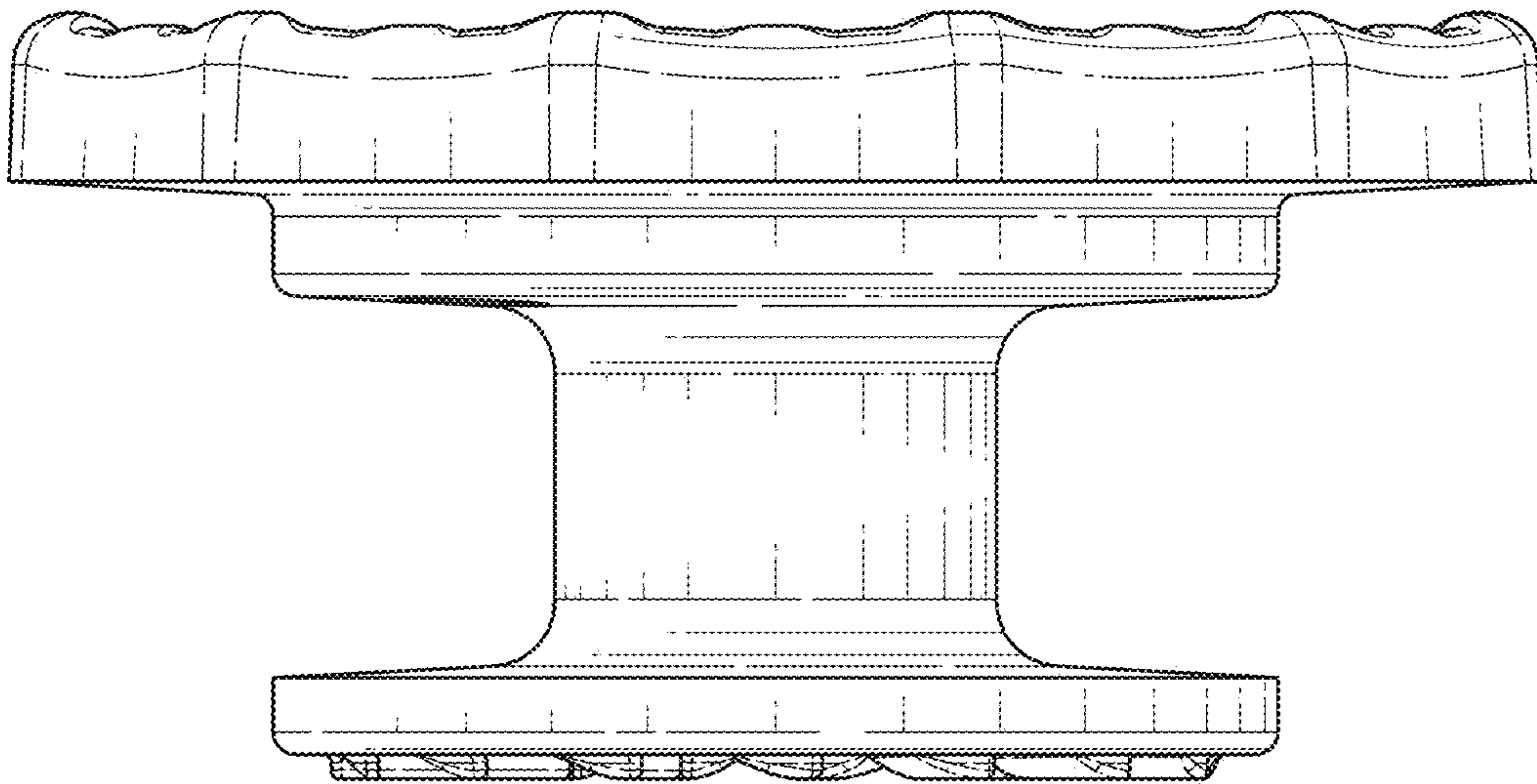


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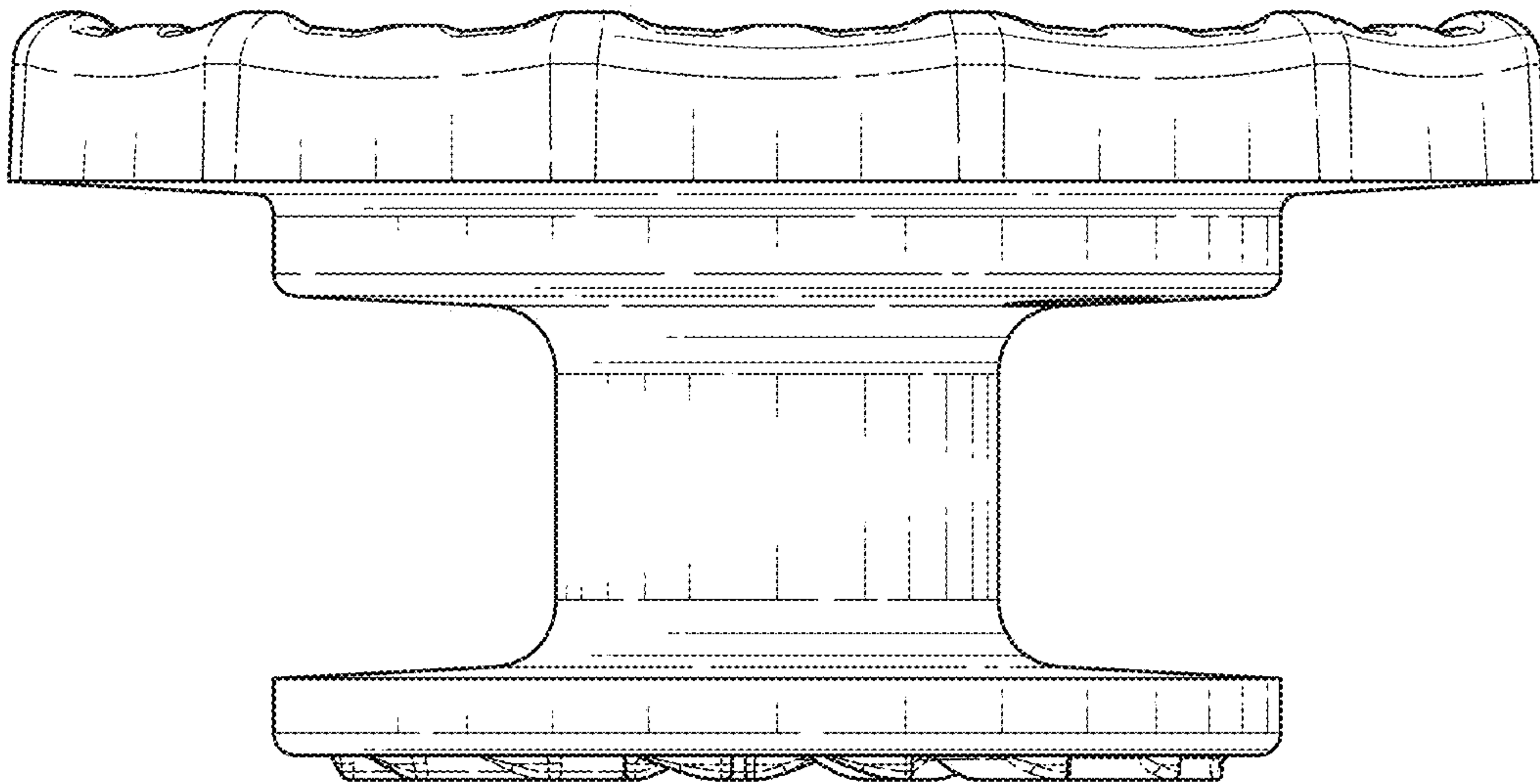


FIG. 14

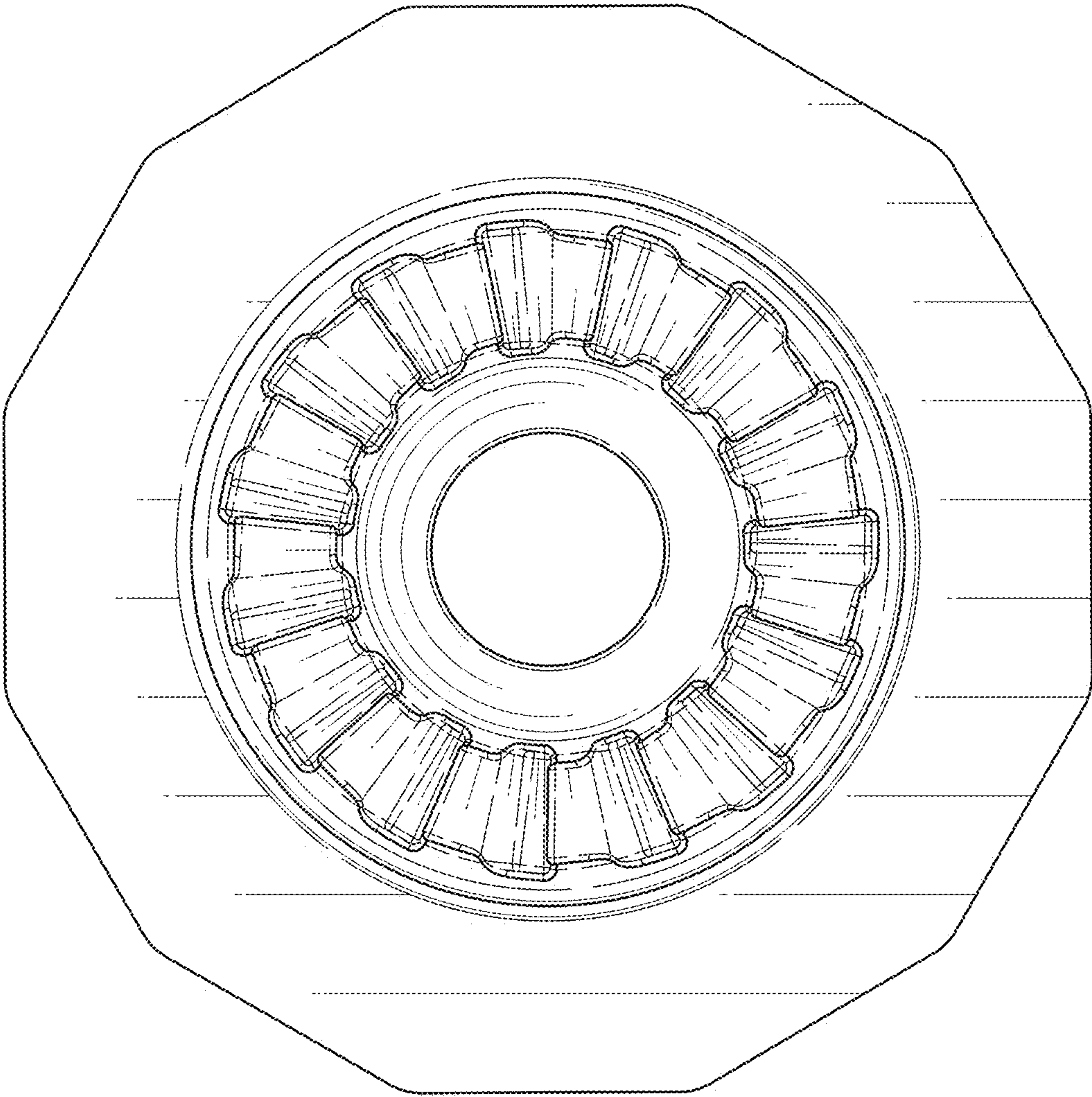


FIG. 16

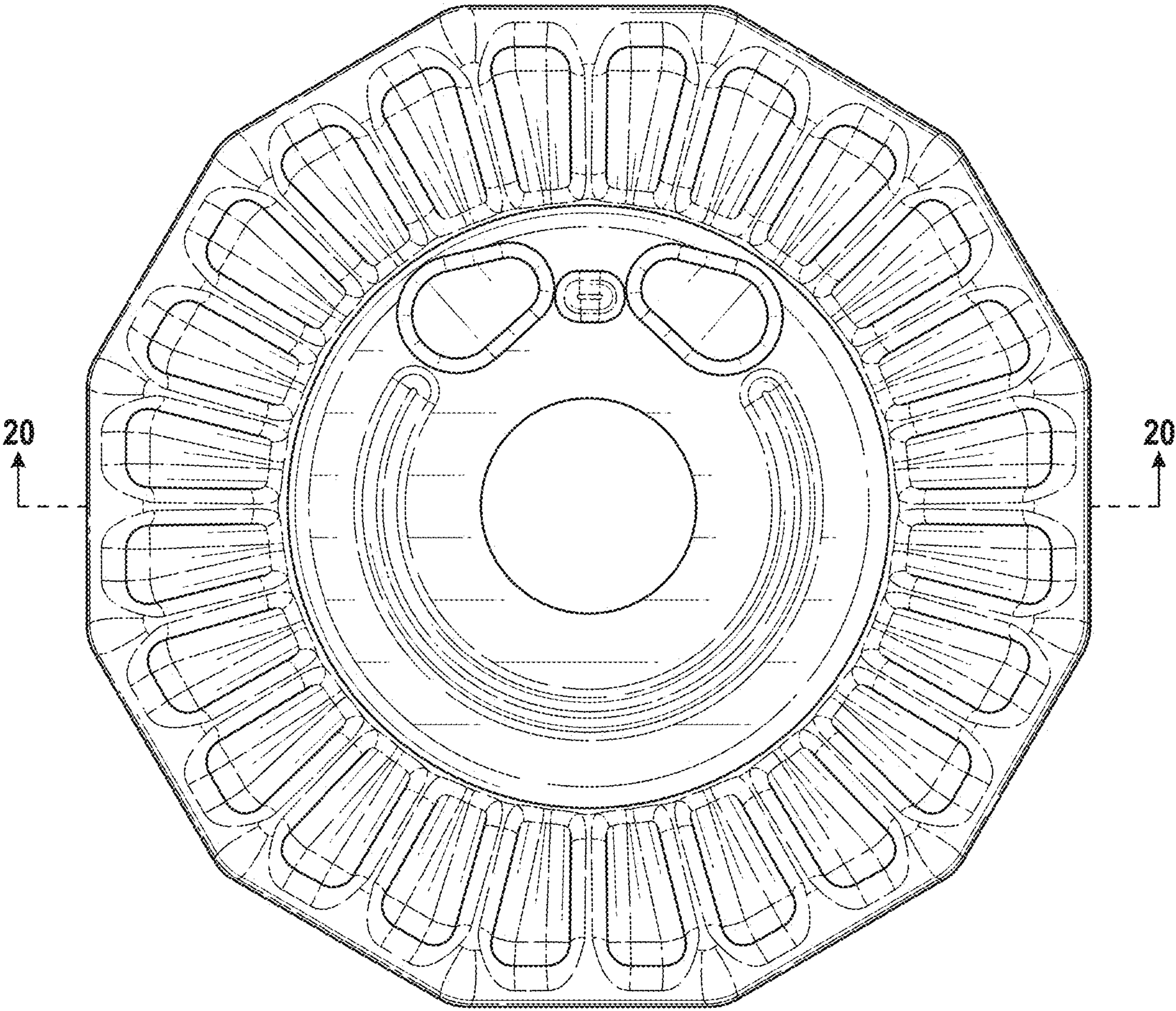


FIG. 15

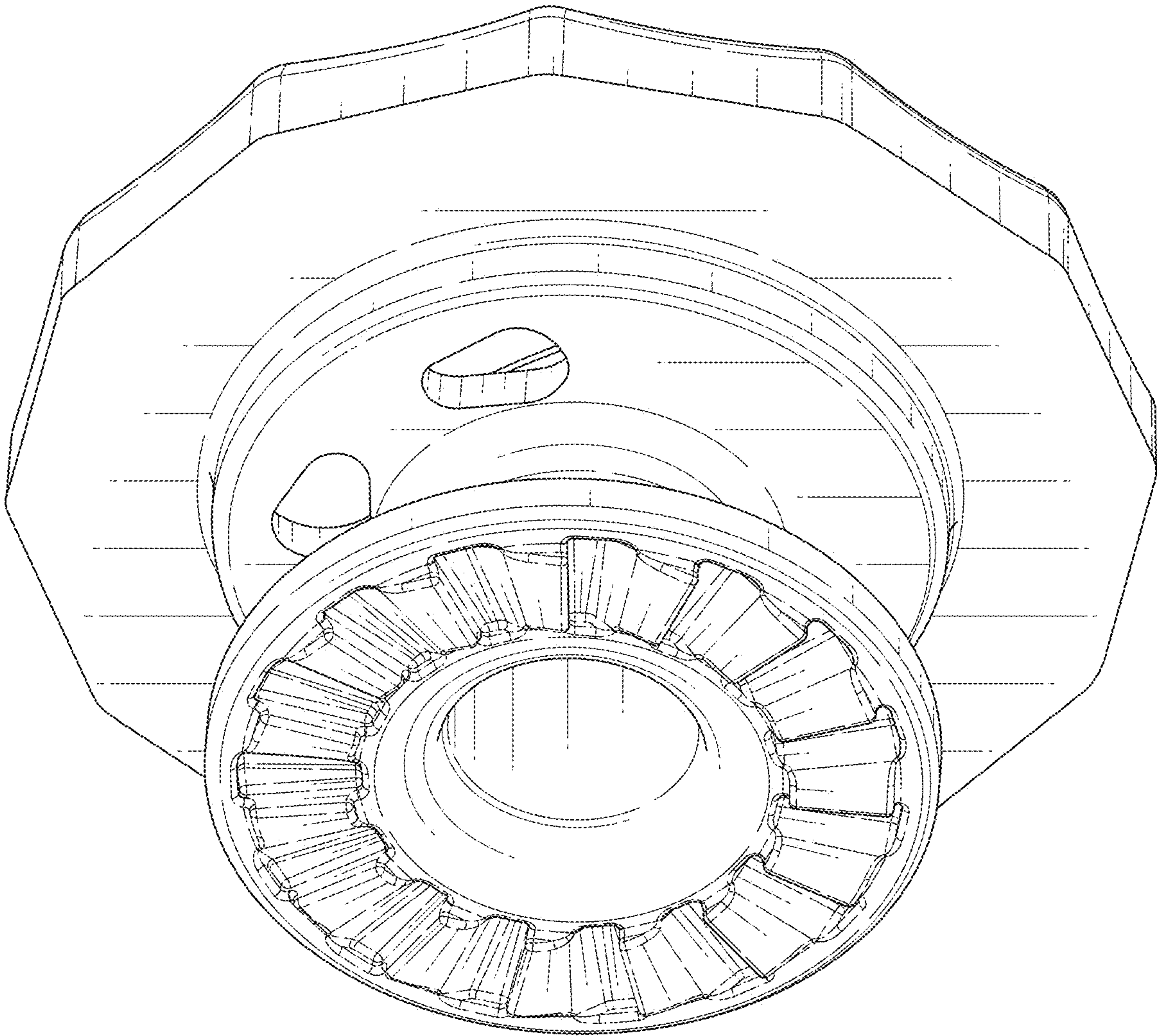


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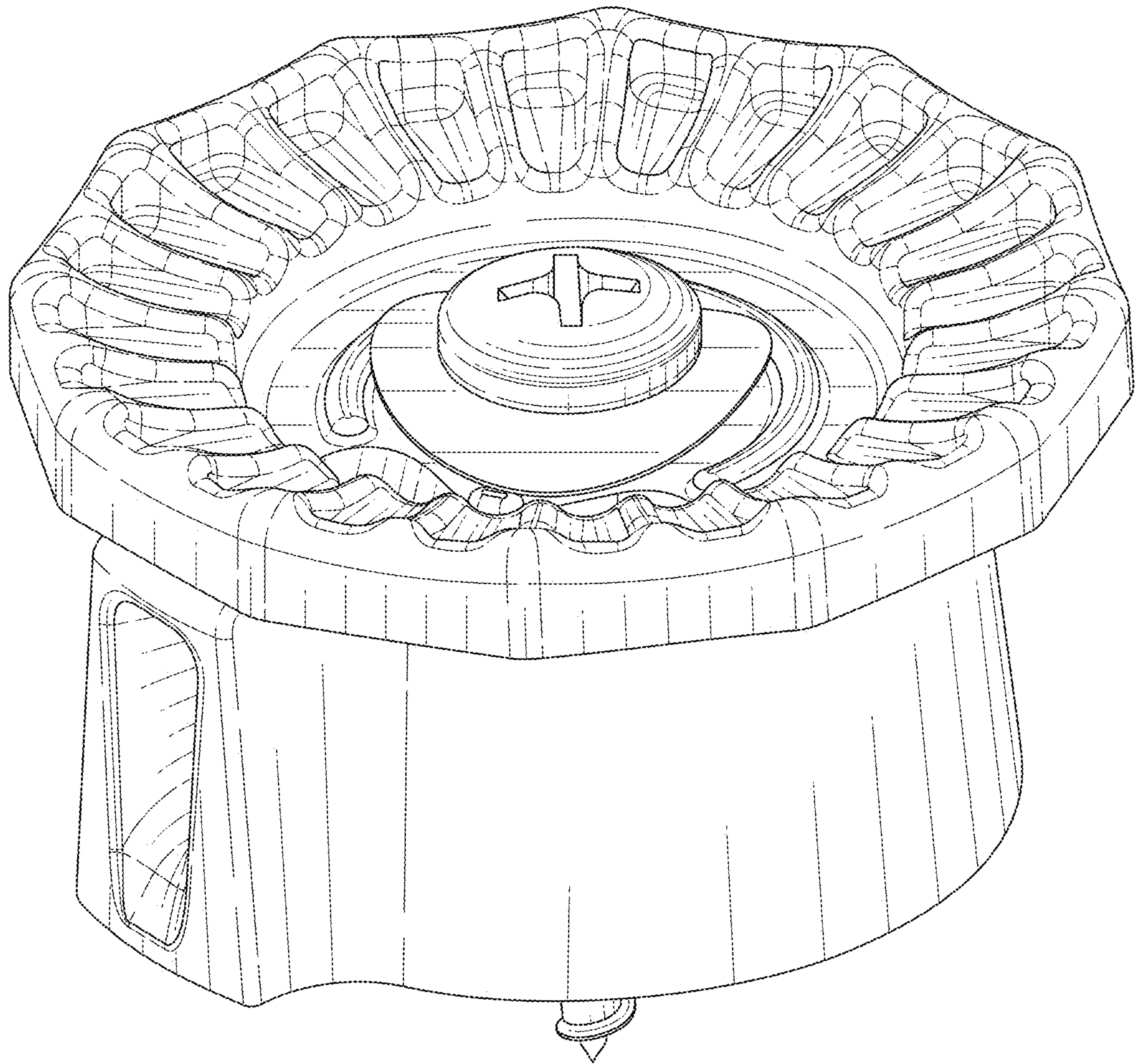


FIG. 18

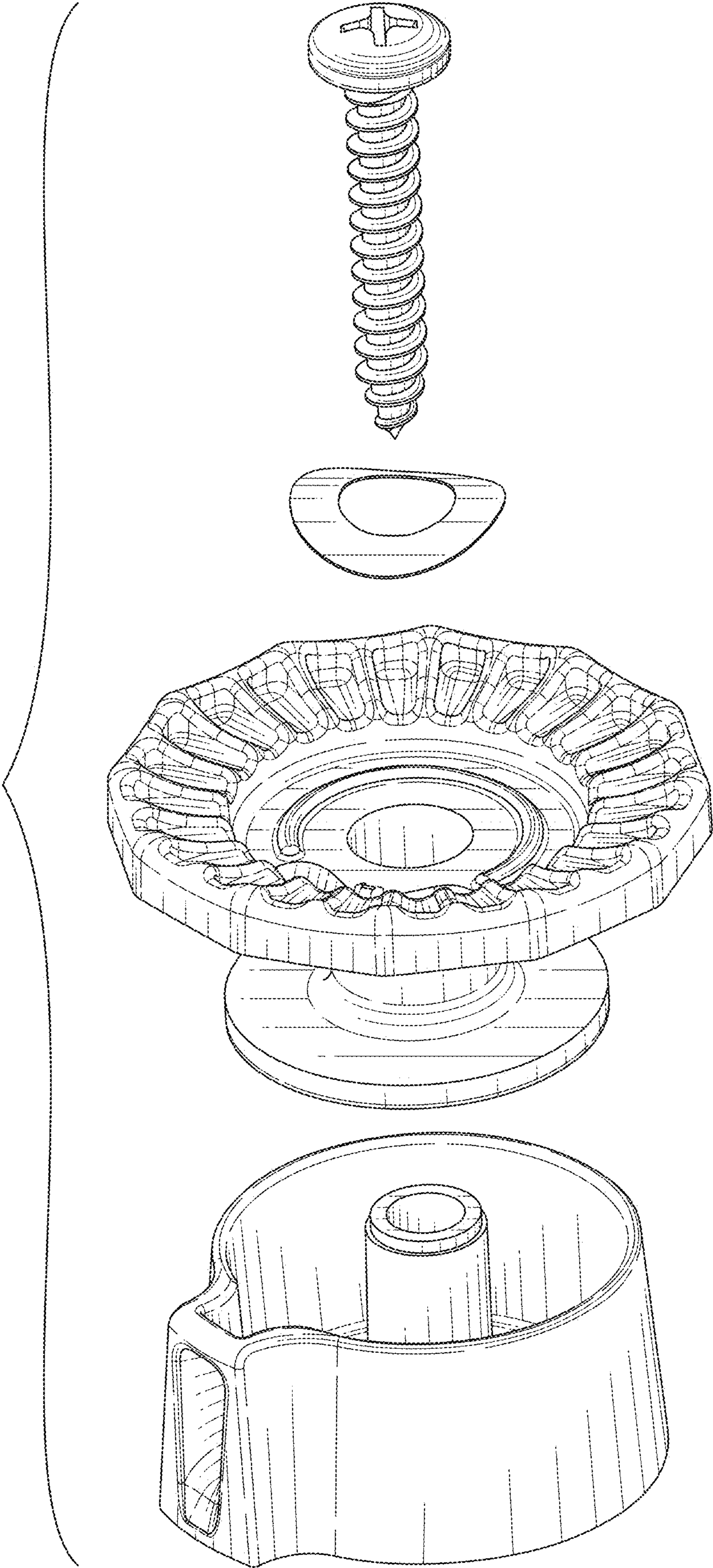


FIG. 19

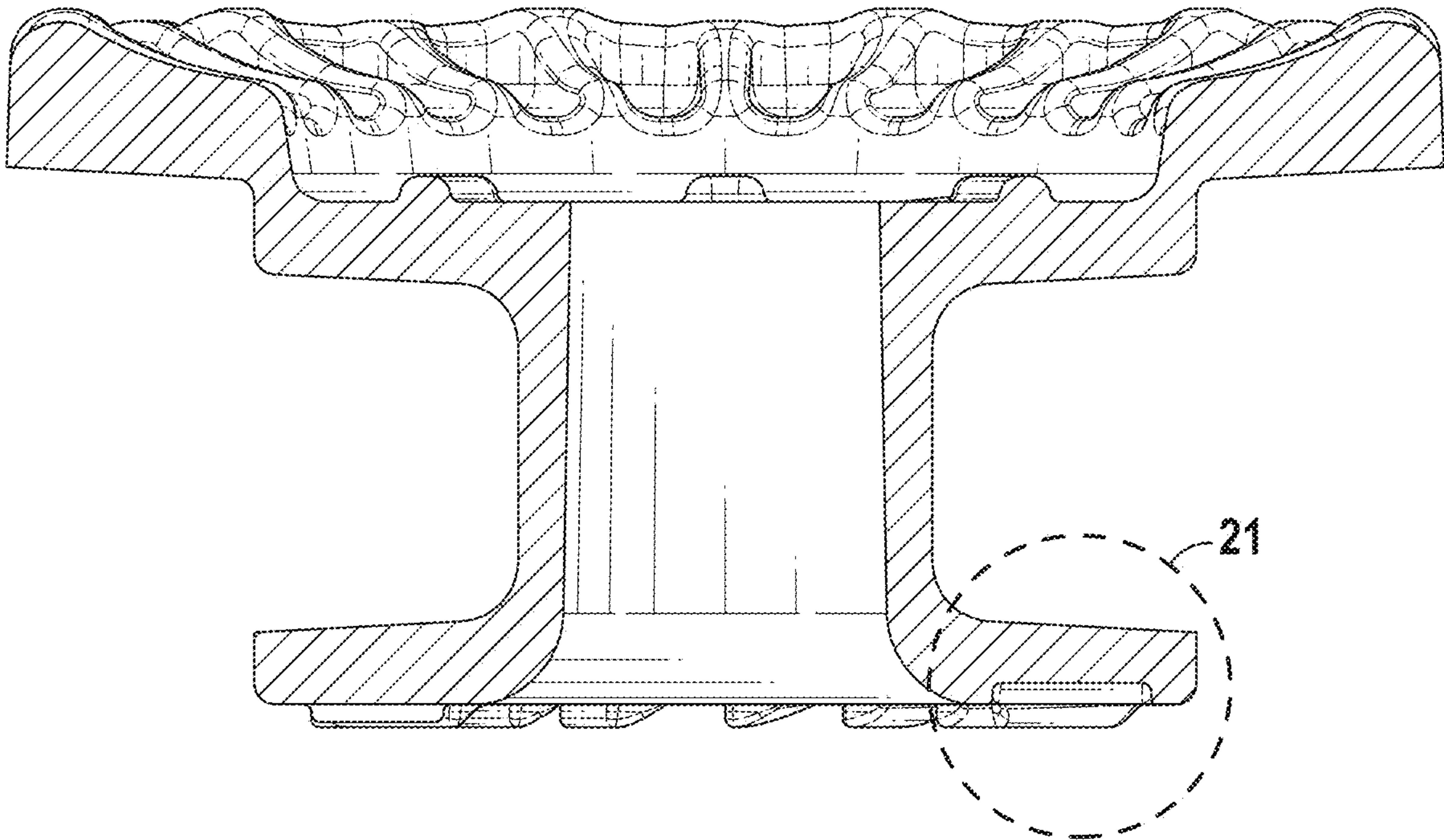


FIG. 20

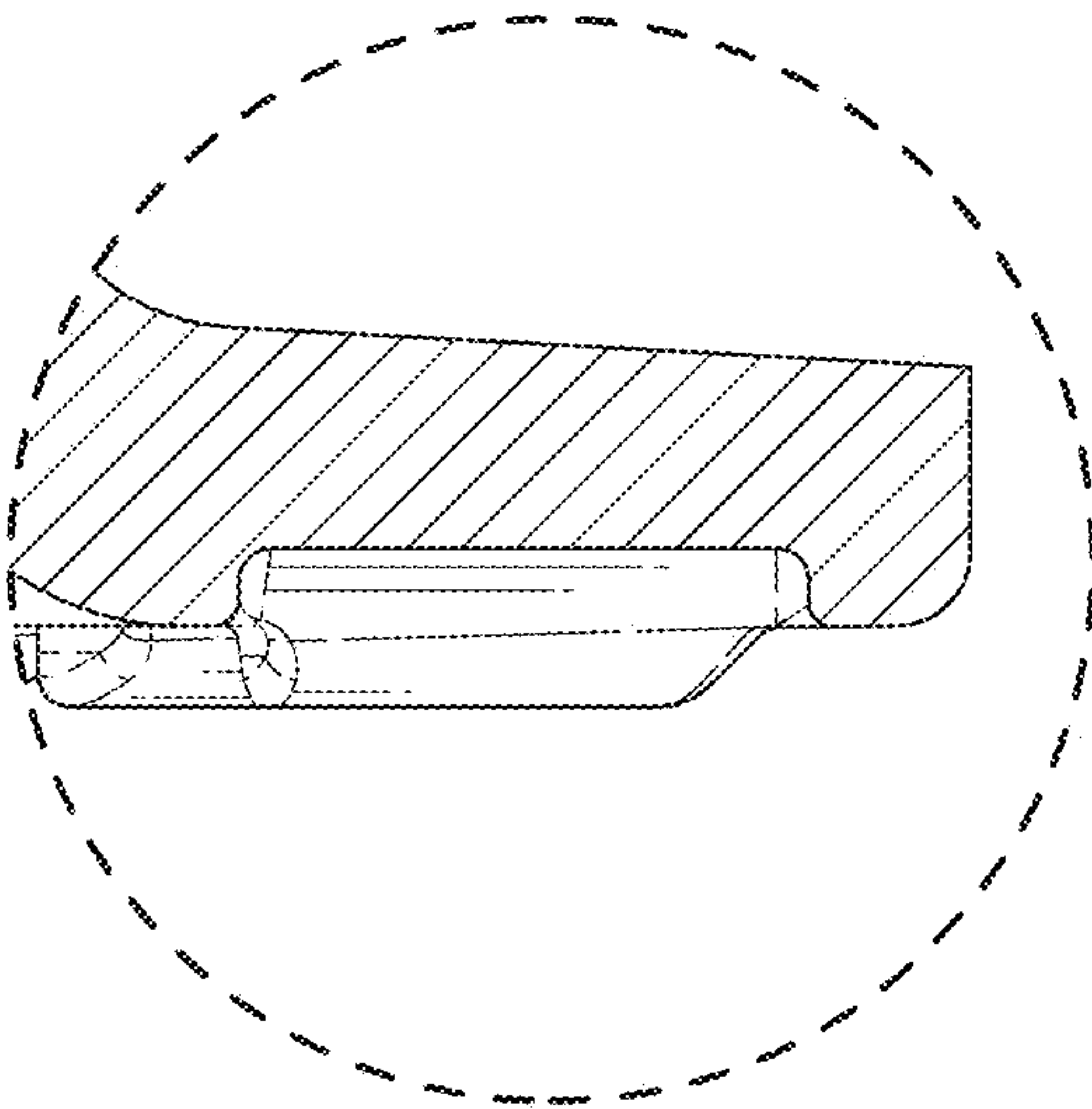


FIG. 21

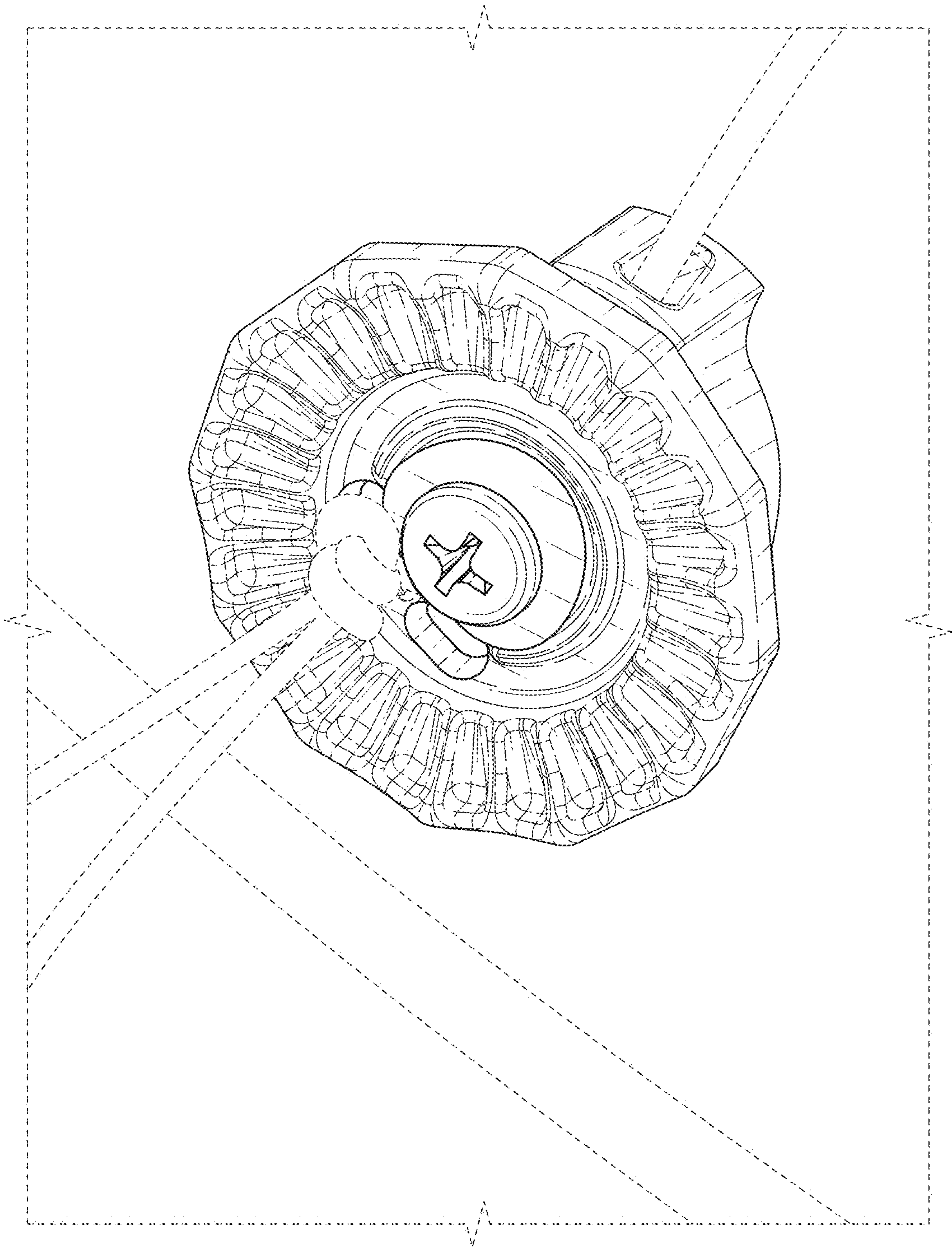


FIG. 22

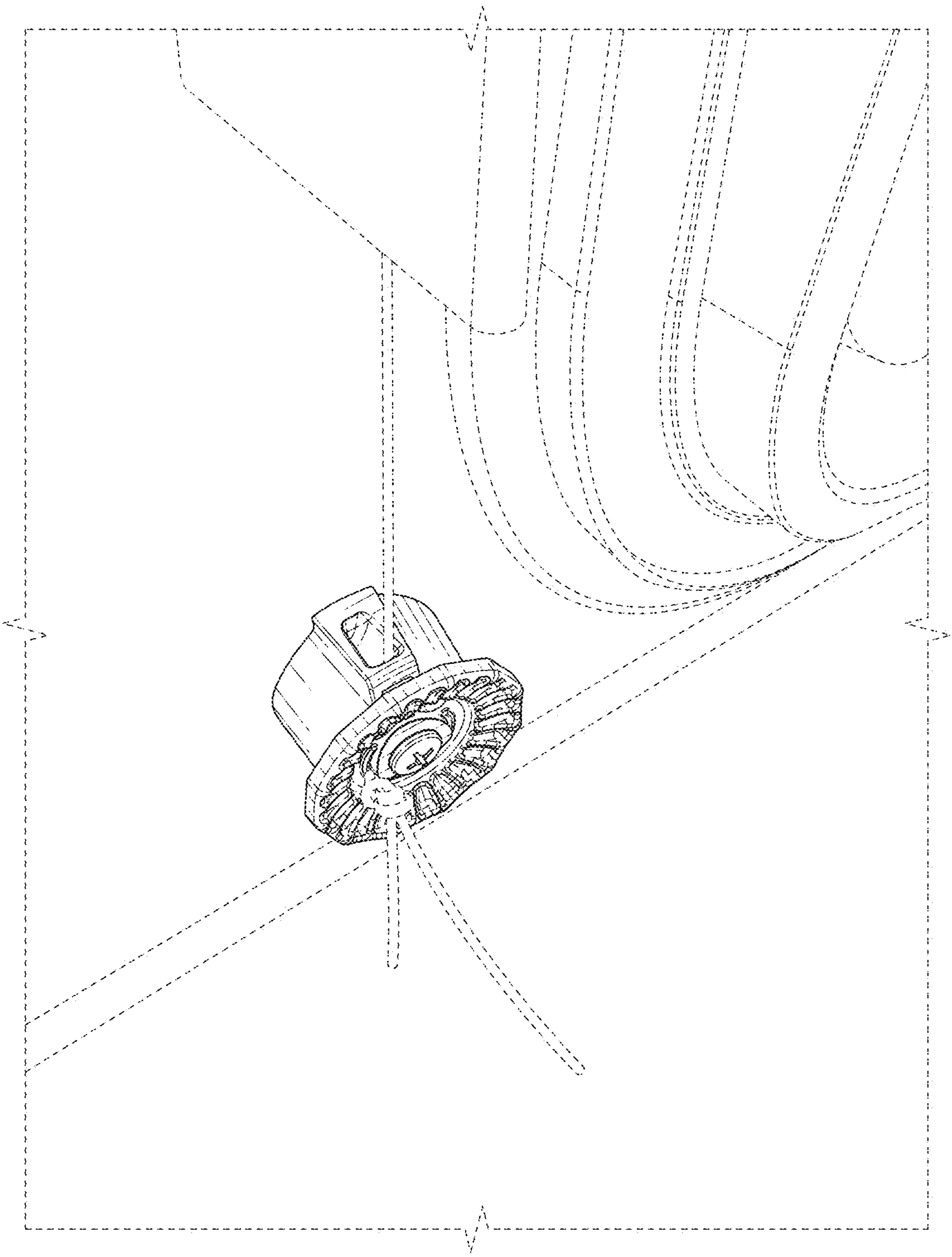


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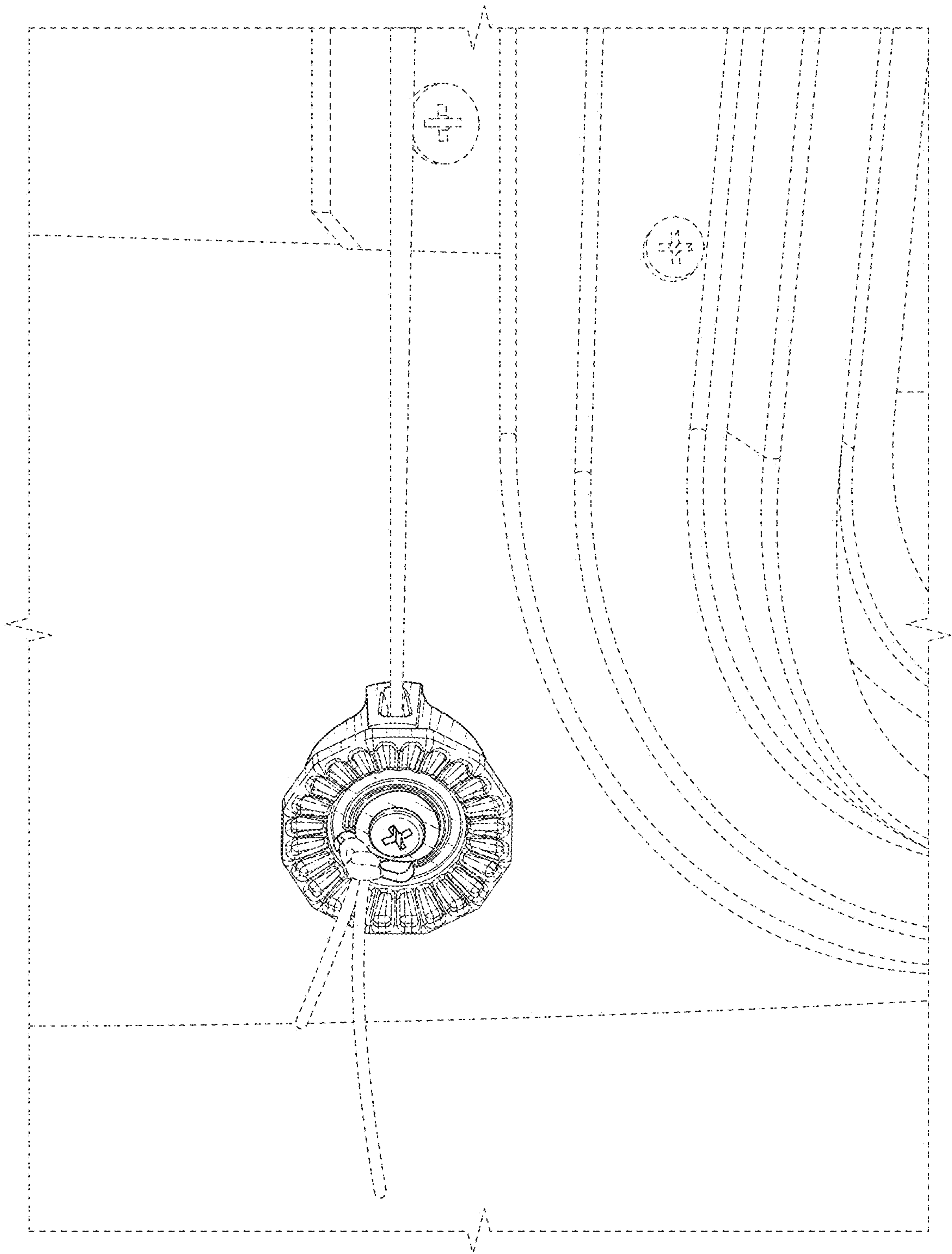


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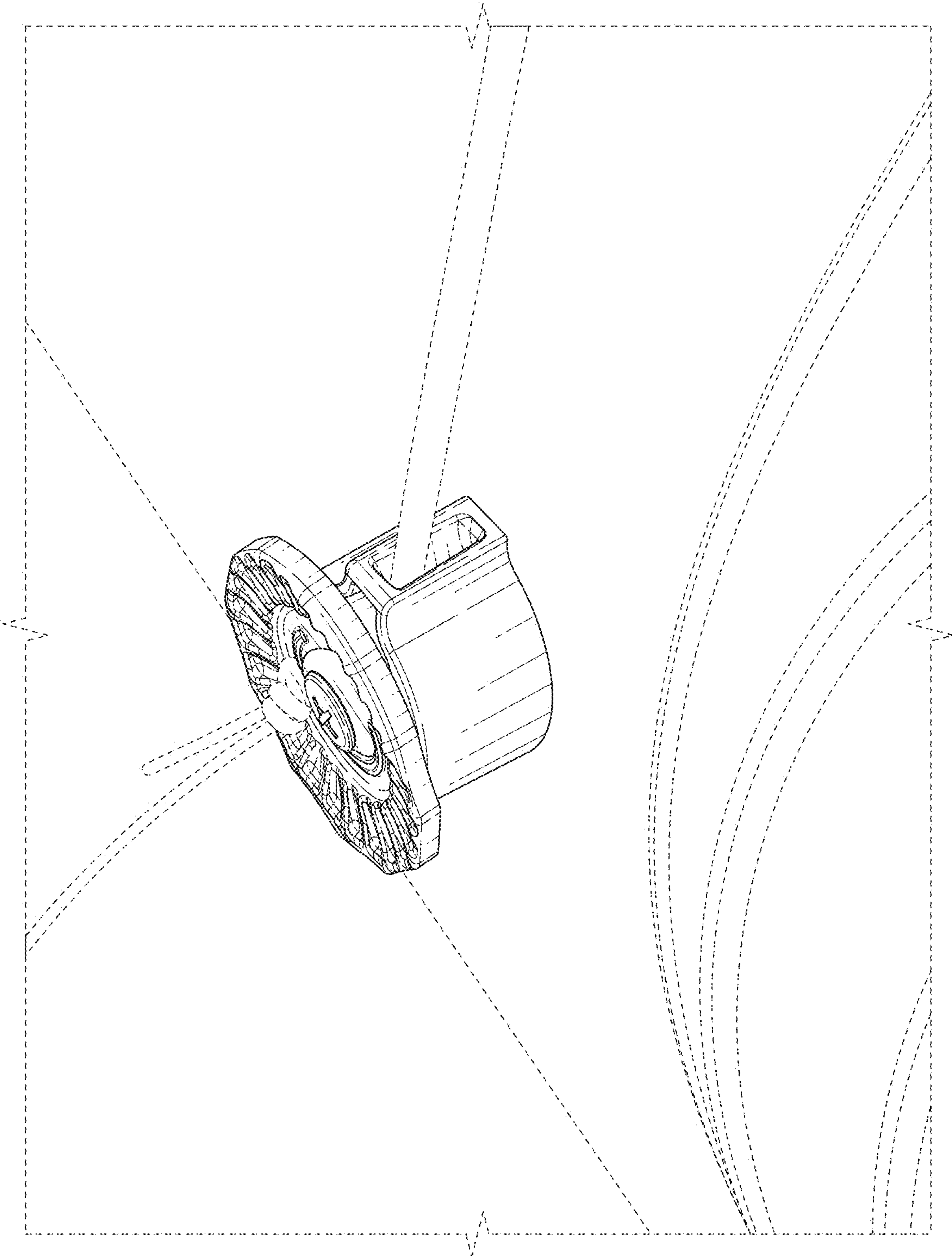


FIG. 25

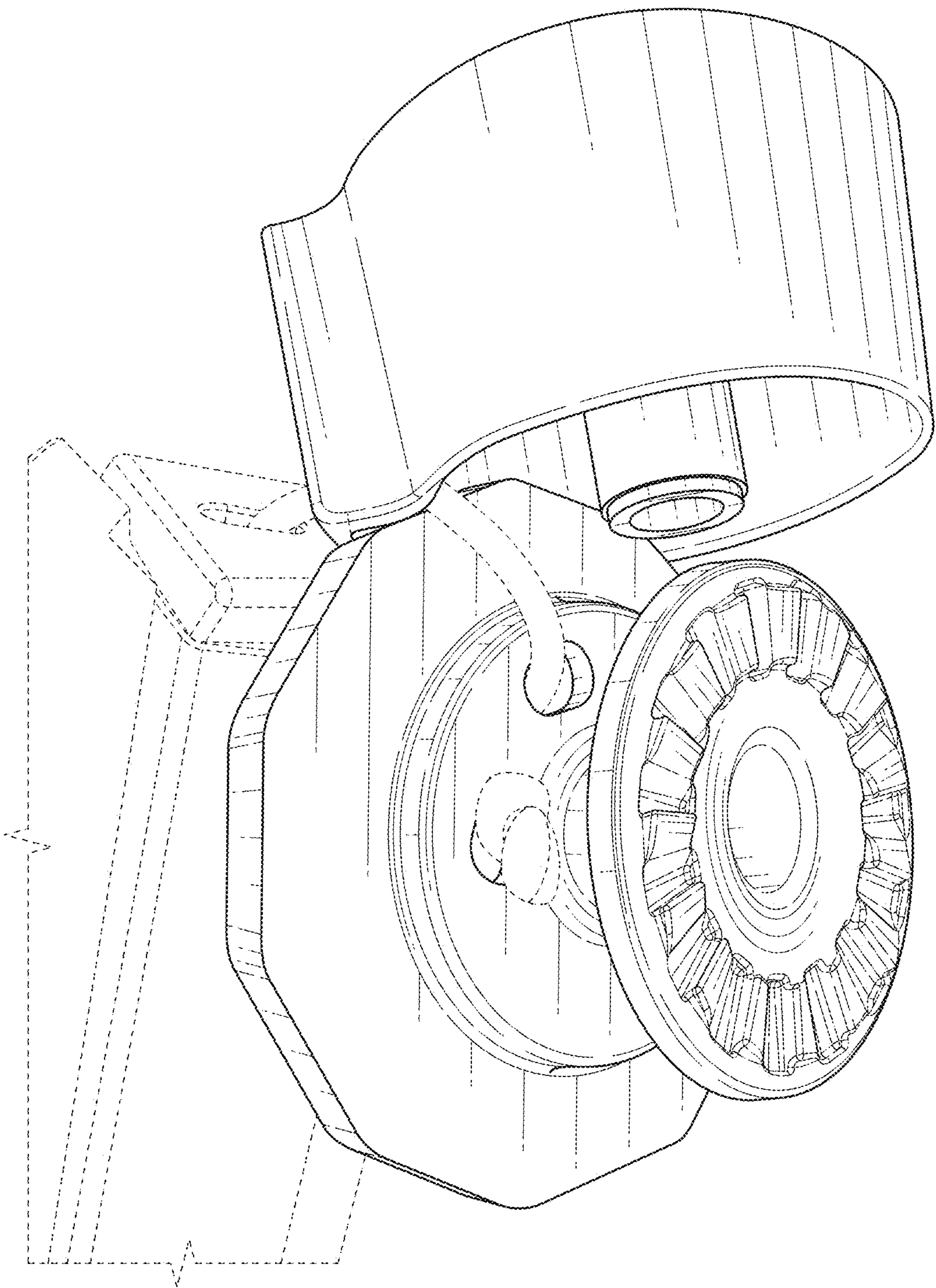


FIG. 26

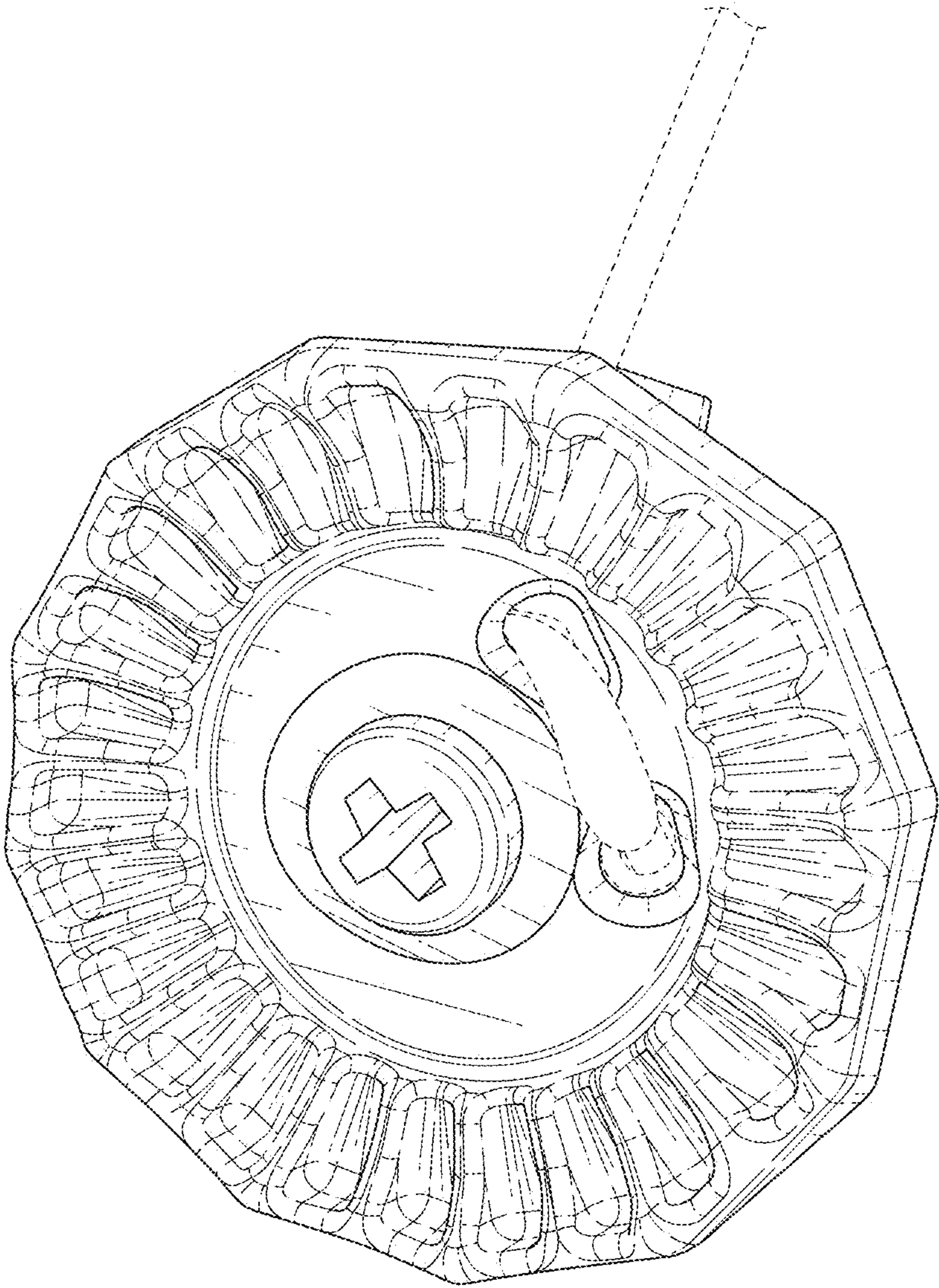


FIG. 27