



US00D896756S

(12) **United States Design Patent** (10) **Patent No.:** **US D896,756 S**
Carlini (45) **Date of Patent:** **** Sep. 22, 2020**

(54) **STUB SHAFT**

DESCRIPTION

(71) Applicant: **Aircraft Gear Corporation**, Loves Park, IL (US)
(72) Inventor: **Sean M. Carlini**, Rockford, IL (US)
(73) Assignee: **Aircraft Gear Corporation**, Loves Park, IL (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/637,726**
(22) Filed: **Feb. 21, 2018**
(51) **LOC (12) Cl.** **13-01**
(52) **U.S. Cl.**
USPC **D13/122**
(58) **Field of Classification Search**
USPC D13/112, 101, 113–118, 122, 123, 133, D13/162, 184, 199; D15/5, 7, 136, 143, D15/199; D23/209, 249, 365; D12/159, D12/160, 345, 400
CPC .. F02B 63/04; H02K 3/24; H02K 3/47; F16H 2025/2034; F16H 25/20; F28F 3/12; B60K 17/22; B60K 17/35; B60K 17/344; B62D

(Continued)

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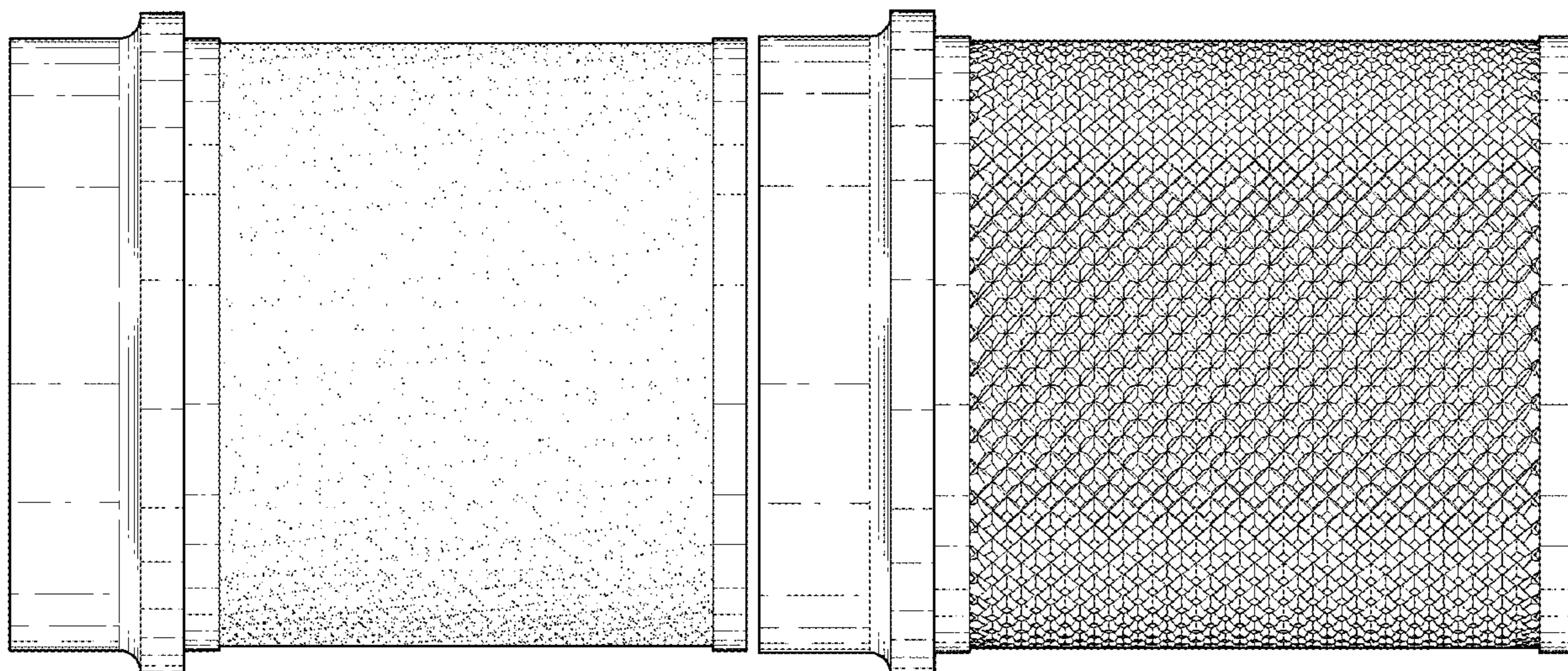
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Dentons Bingham Greenebaum LLP

(57) **CLAIM**

The ornamental design for a stub shaft, as shown and described.

FIG. 1 is a left side elevational view of a first embodiment of a stub shaft showing my new design, the right side elevational view, top plan view, and bottom plan view being identical;
FIG. 2 is a rear end elevational view thereof;
FIG. 3 is a front end elevational view thereof;
FIG. 4 is a first perspective view thereof;
FIG. 5 is a second perspective view thereof, shown in environmental use;
FIG. 6 is a left side elevational view of a second embodiment of a stub shaft showing my new design, the right side elevational view, top plan view, and bottom plan view being identical;
FIG. 7 is a rear end elevational view thereof;
FIG. 8 is a front end elevational view thereof;
FIG. 9 is a first perspective view thereof;
FIG. 10 is a second perspective view thereof, shown in environmental use;
FIG. 11 is a left side elevational view of a third embodiment of a stub shaft showing my new design, the right side elevational view, top plan view, and bottom plan view being identical;
FIG. 12 is a rear end elevational view thereof;
FIG. 13 is a front end elevational view thereof;
FIG. 14 is a first perspective view thereof;
FIG. 15 is a second perspective view thereof, shown in environmental use;
FIG. 16 is a left side elevational view of a fourth embodiment of a stub shaft showing my new design, the right side elevational view, top plan view, and bottom plan view being identical;
FIG. 17 is a rear end elevational view thereof;
FIG. 18 is a front end elevational view thereof;
FIG. 19 is a first perspective view thereof; and,
FIG. 20 is a second perspective view thereof, shown in environmental use.
The broken lines shown represent environmental subject matter and form no part of the claimed design.

1 Claim, 16 Drawing Sheets



(58) **Field of Classification Search**

CPC 3/06; F16C 3/02; F16C 3/023; F16C
2223/02

See application file for complete search history.

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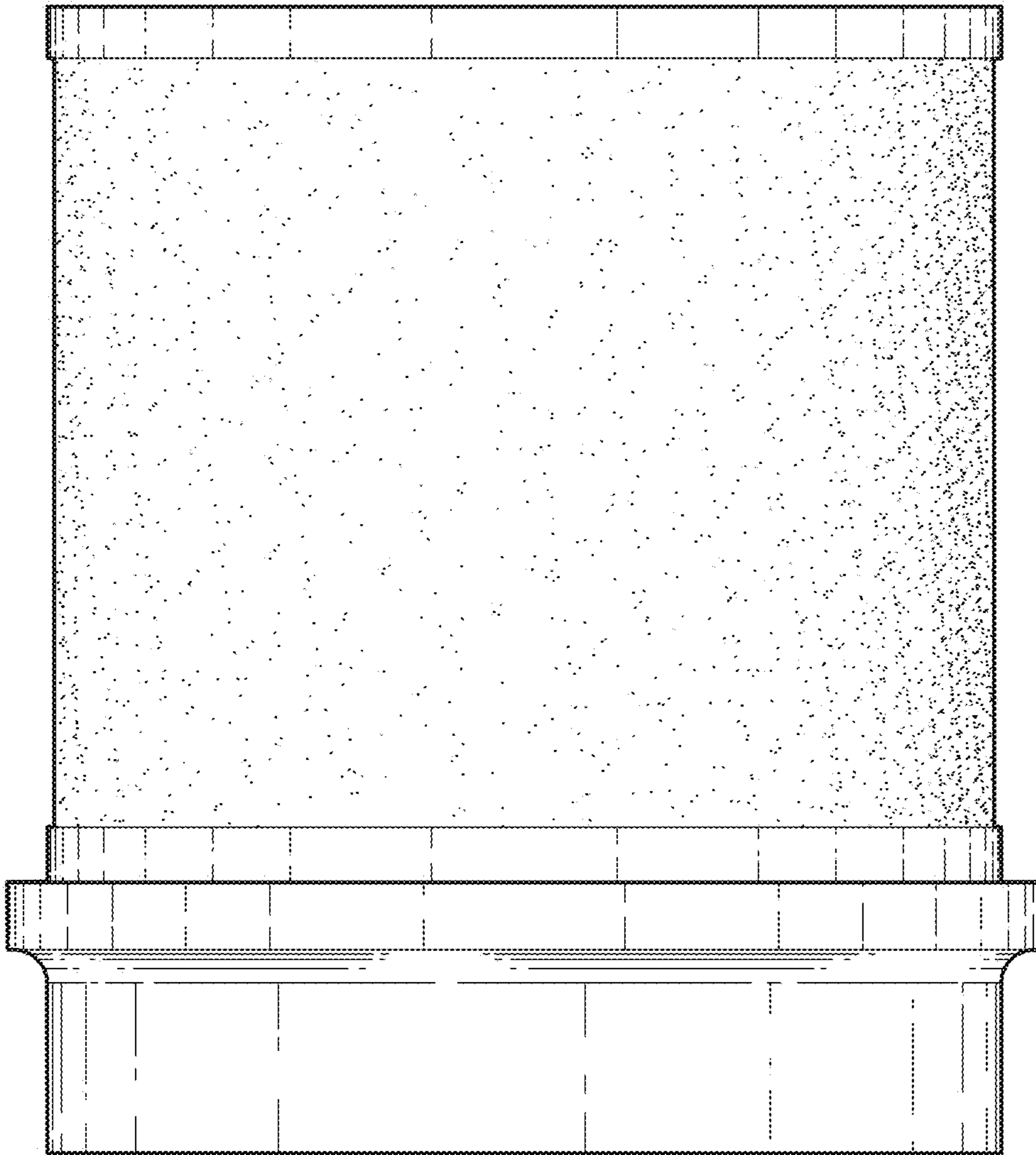


Fig. 1

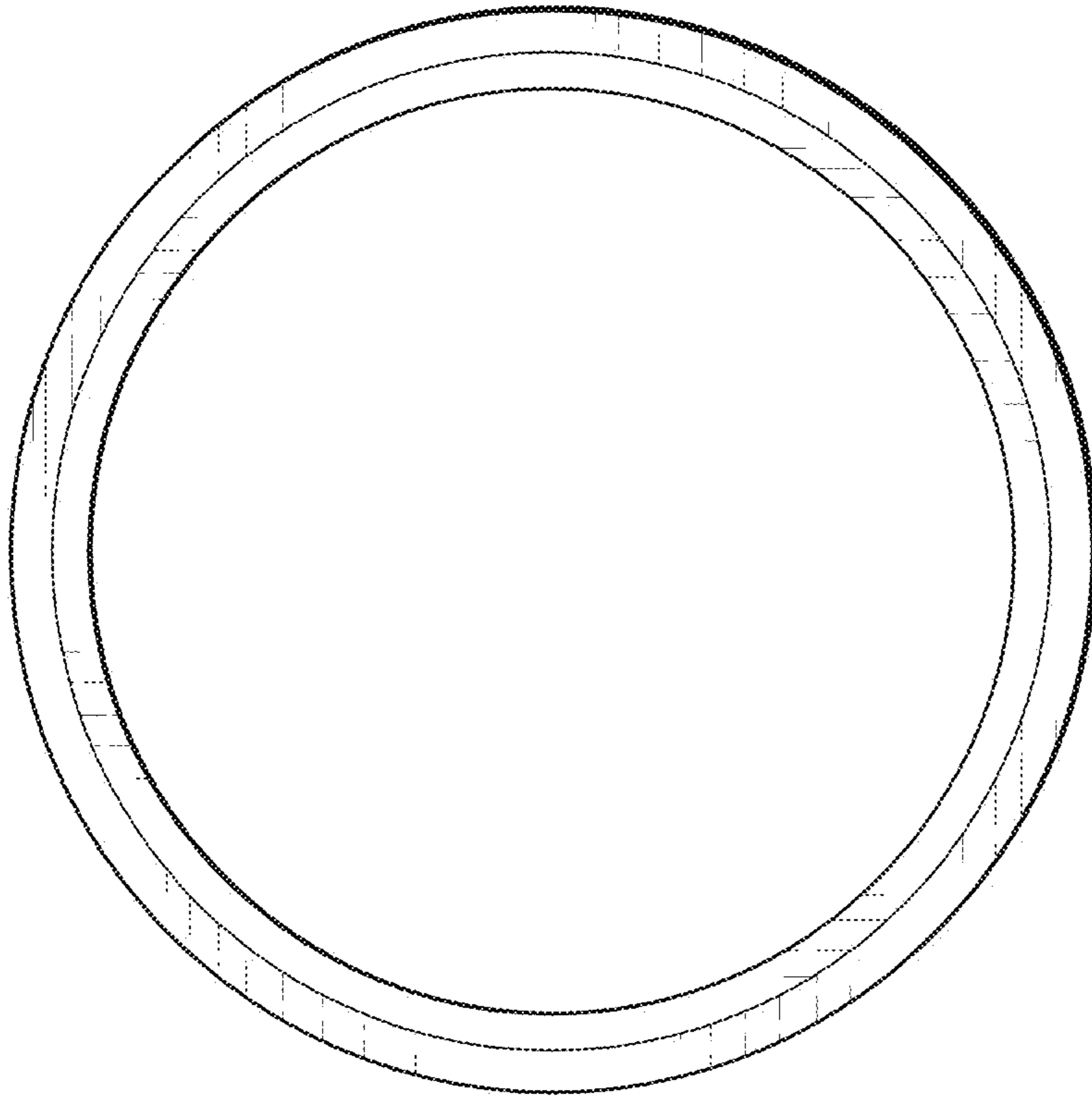


Fig. 3

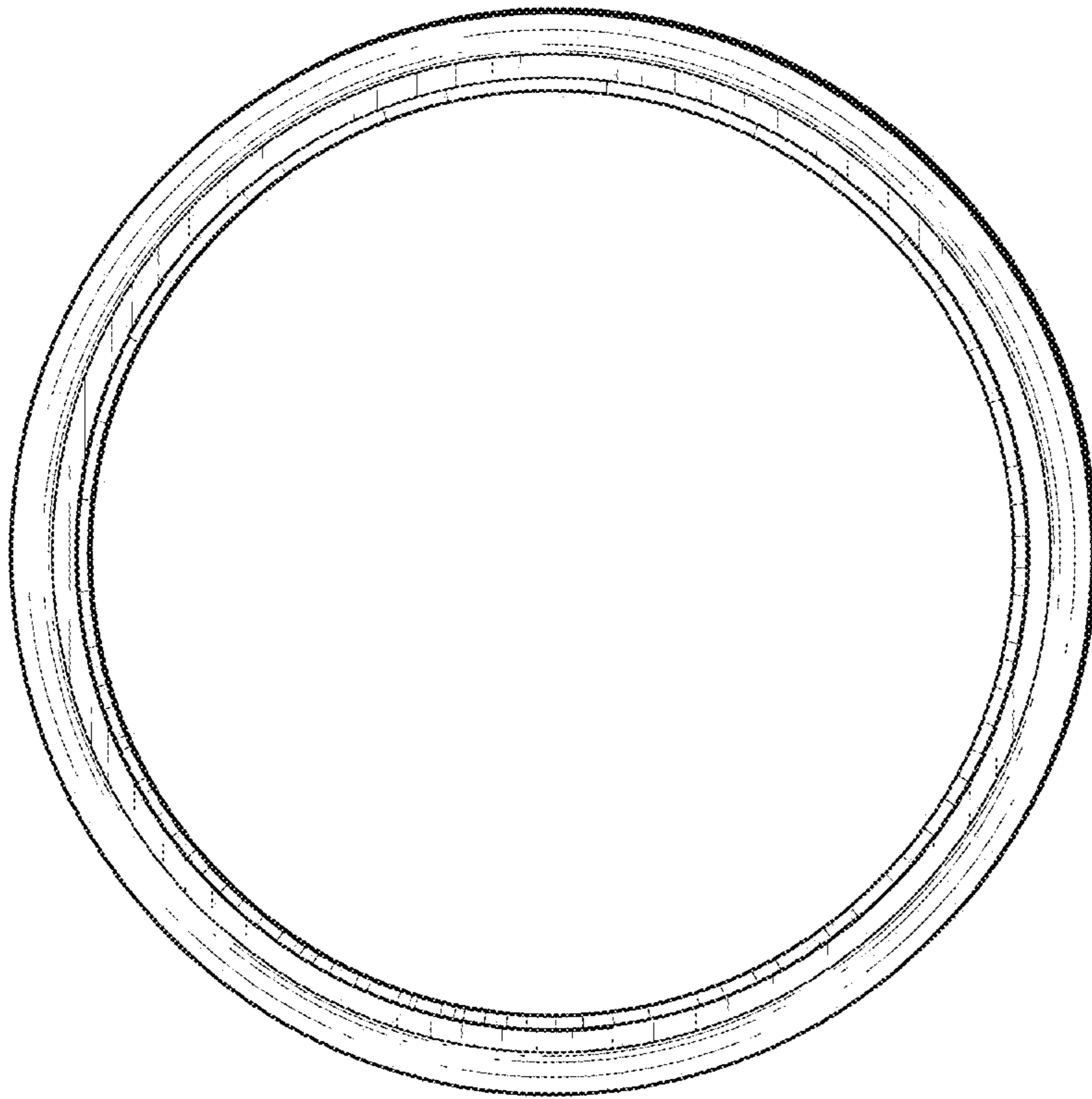


Fig. 2

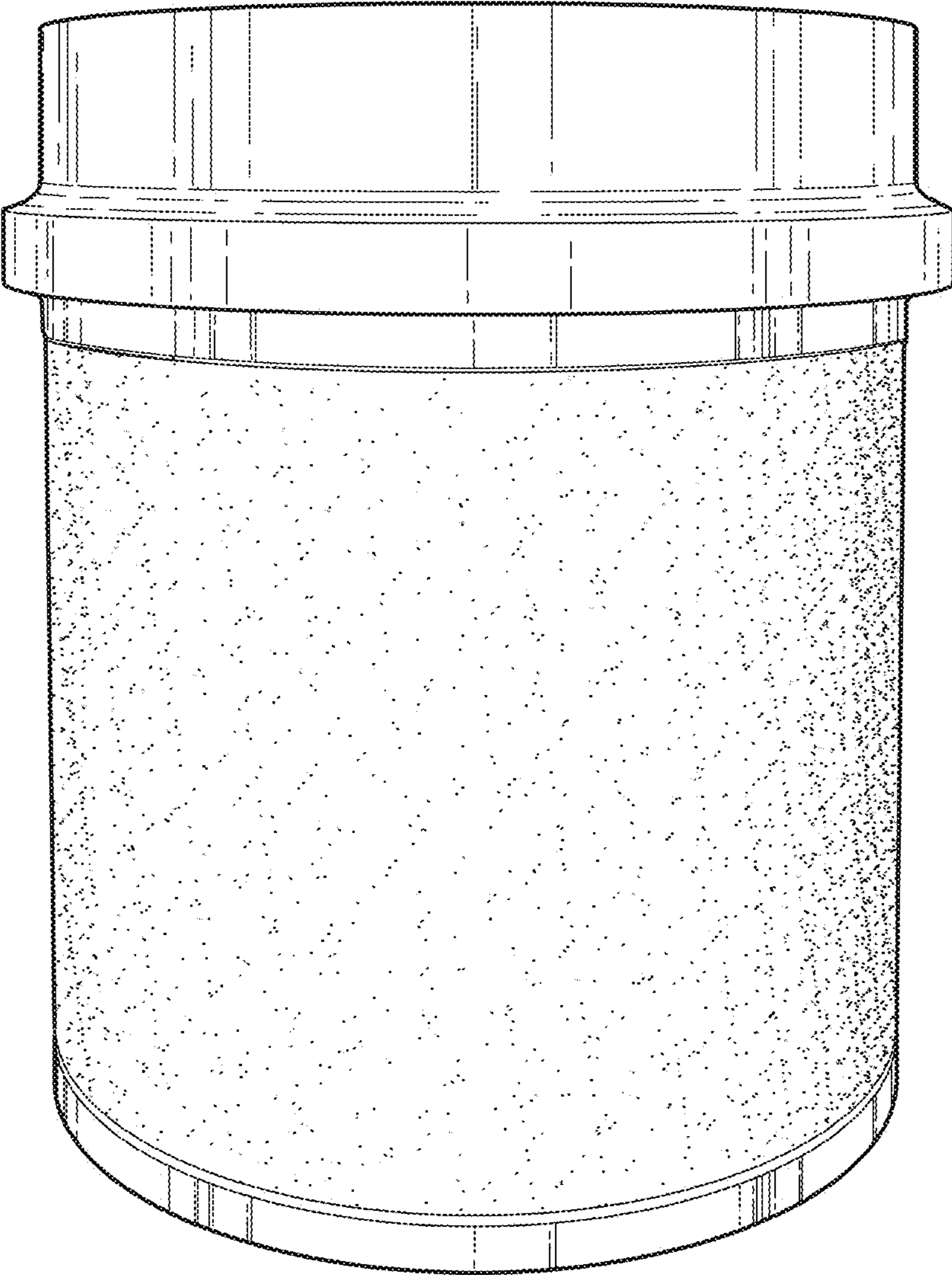


Fig. 4

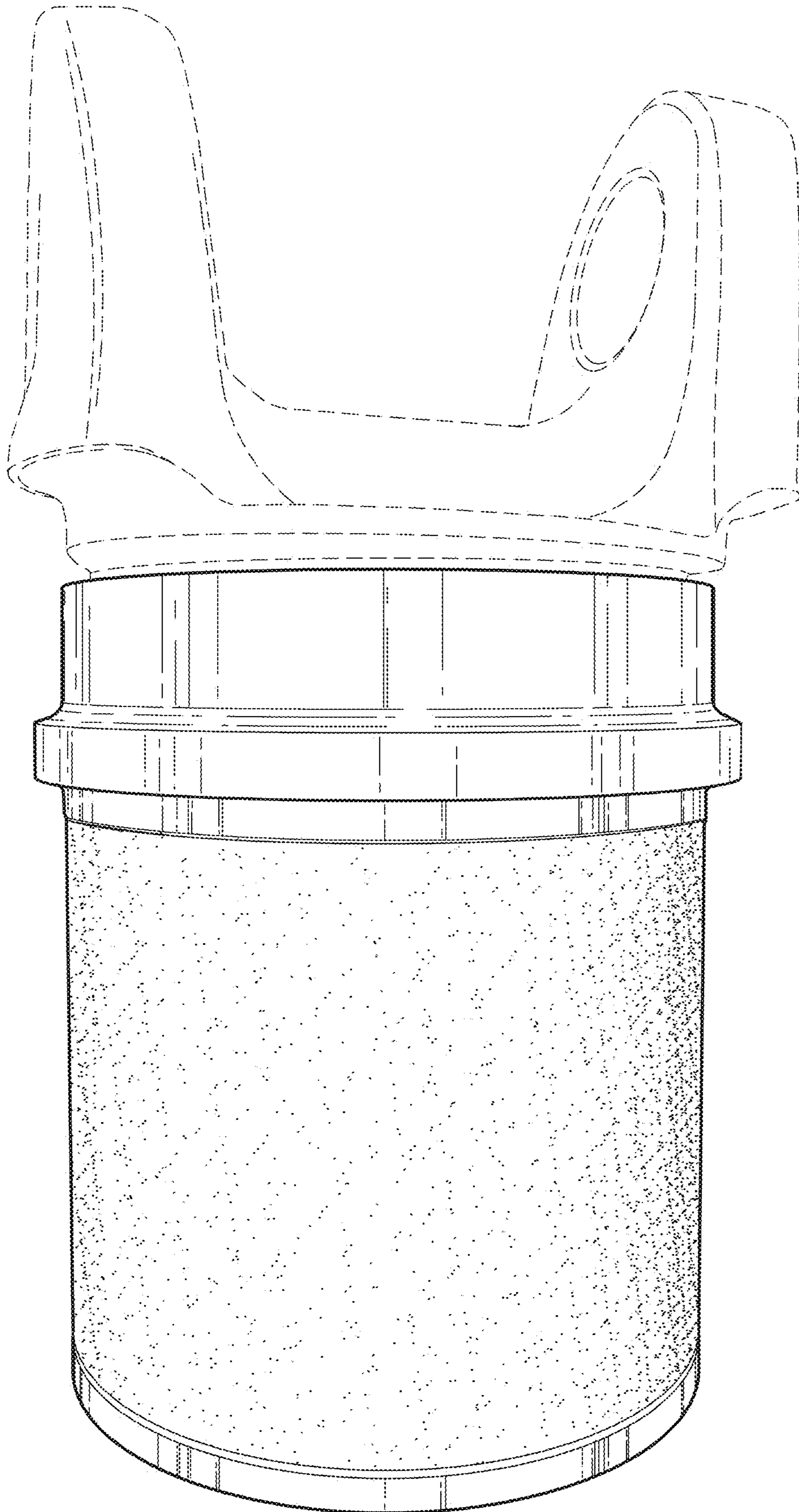


Fig. 5

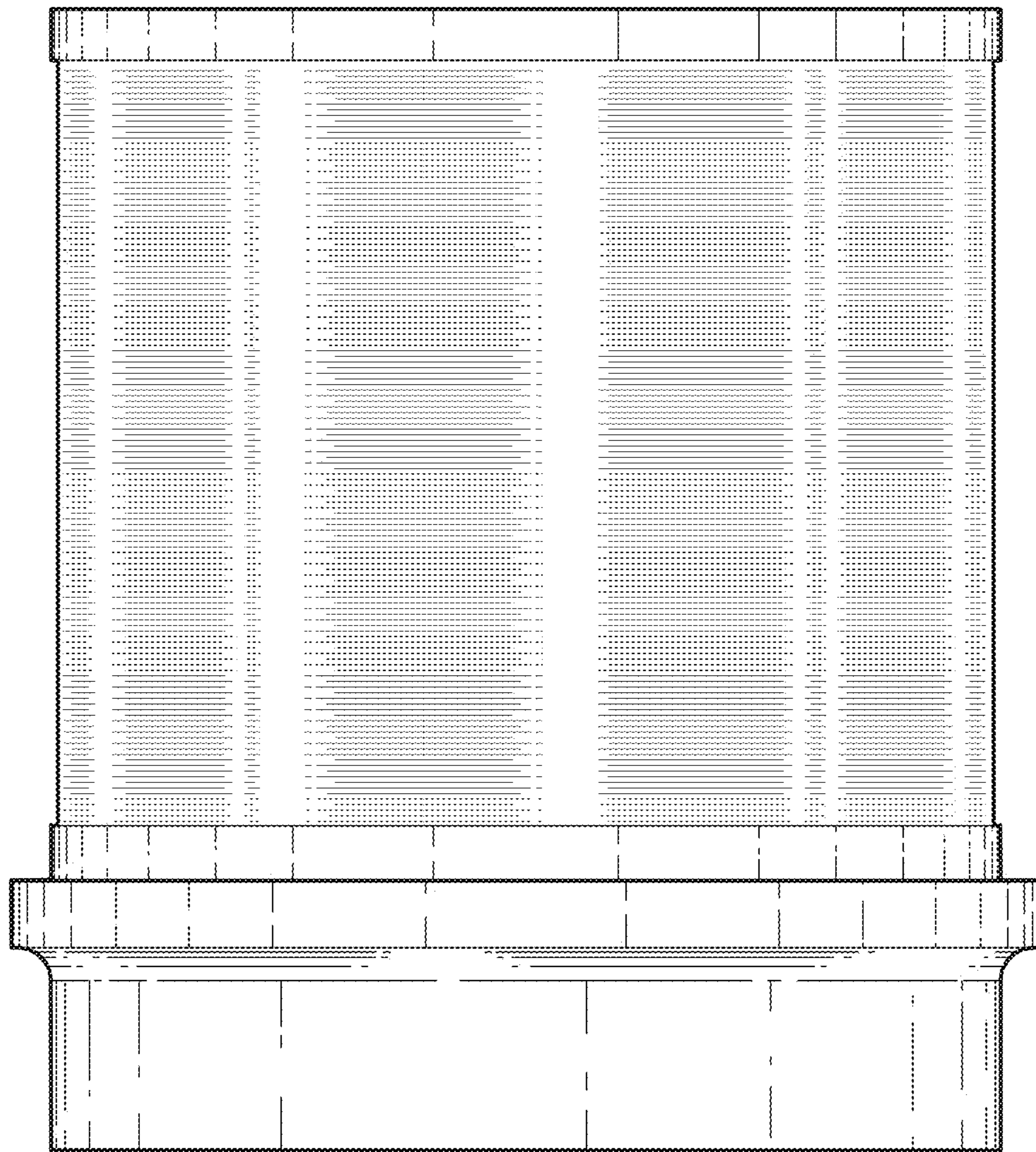


Fig. 6

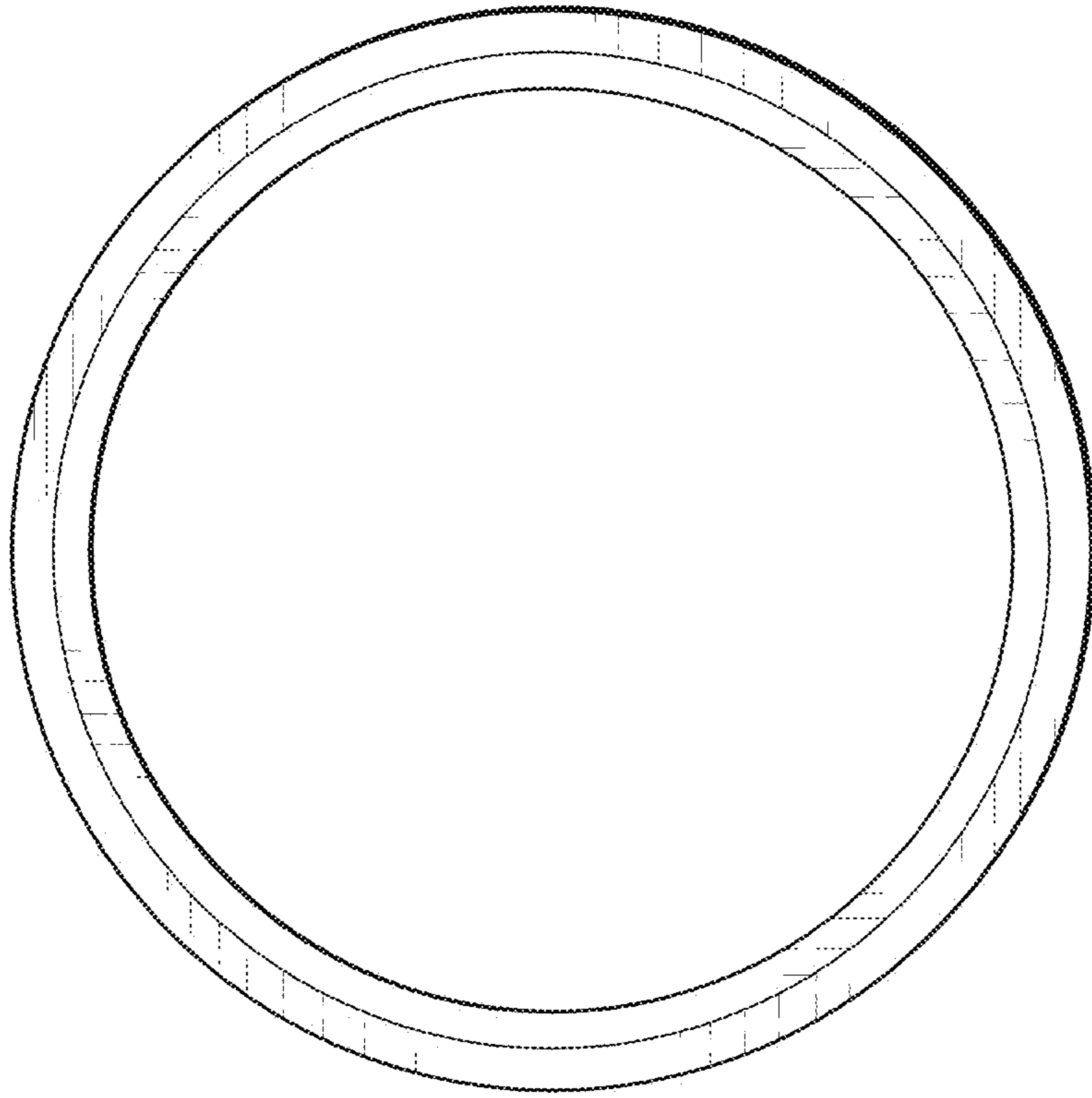


Fig. 8

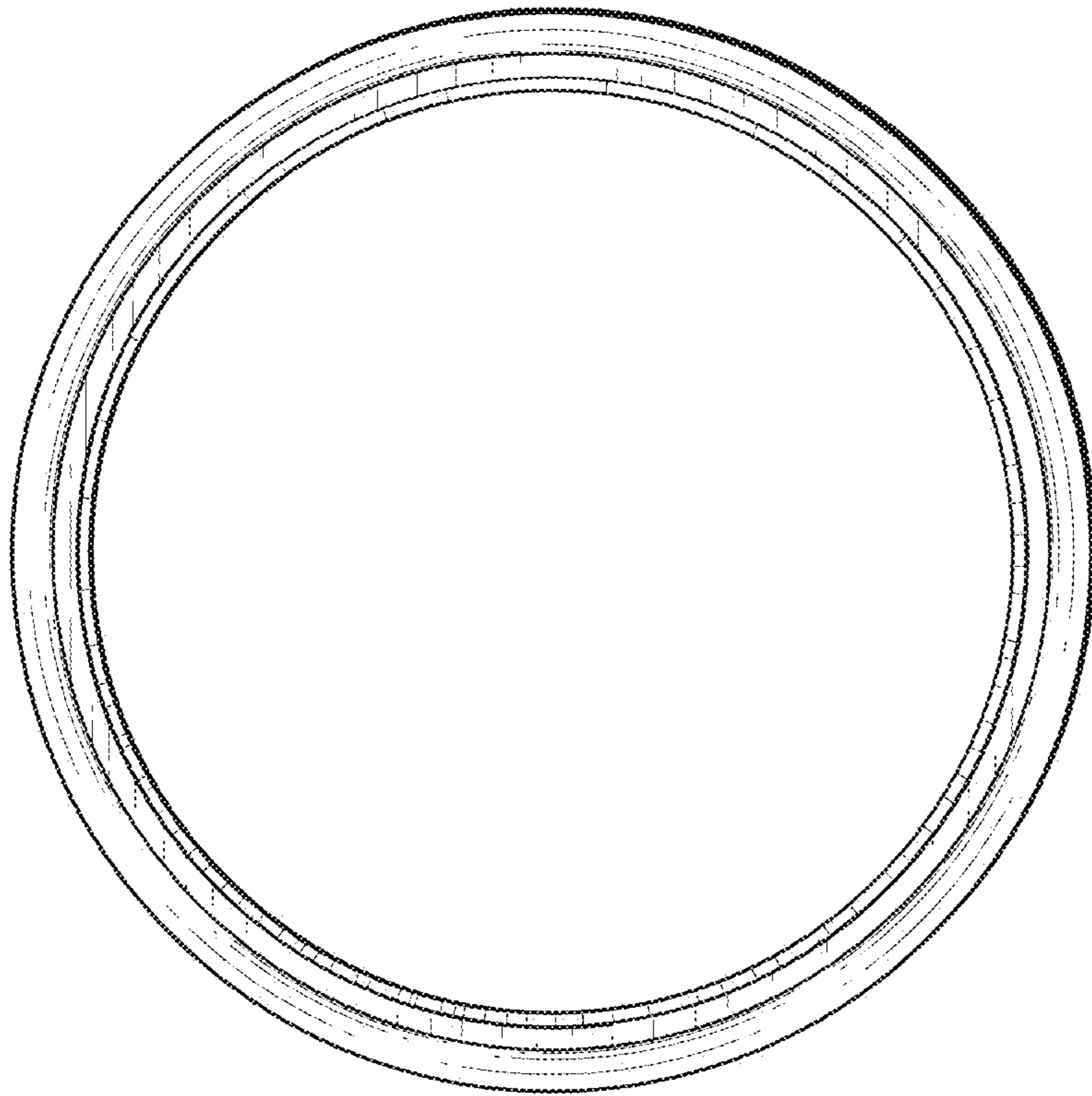


Fig. 7

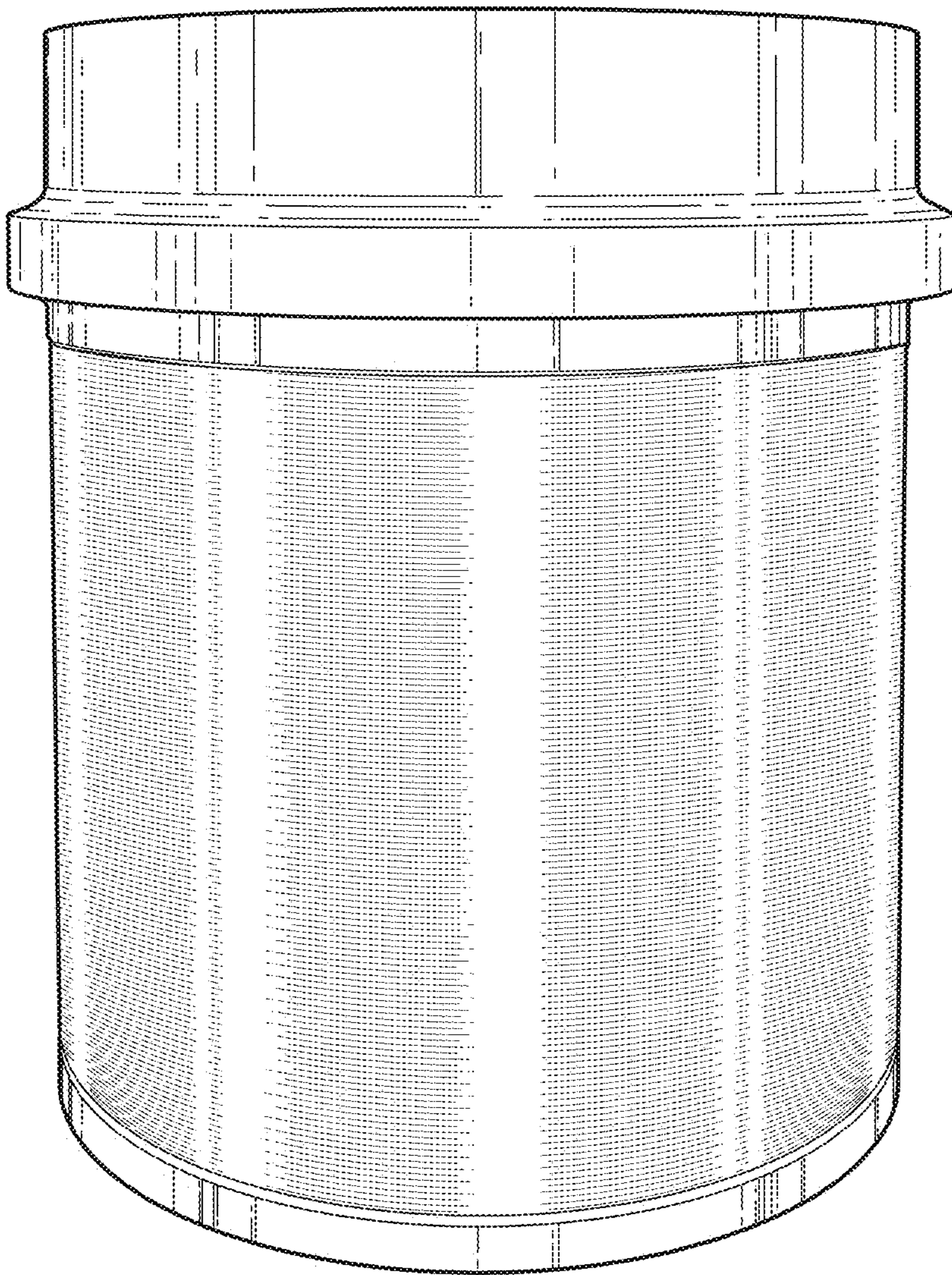


Fig. 9

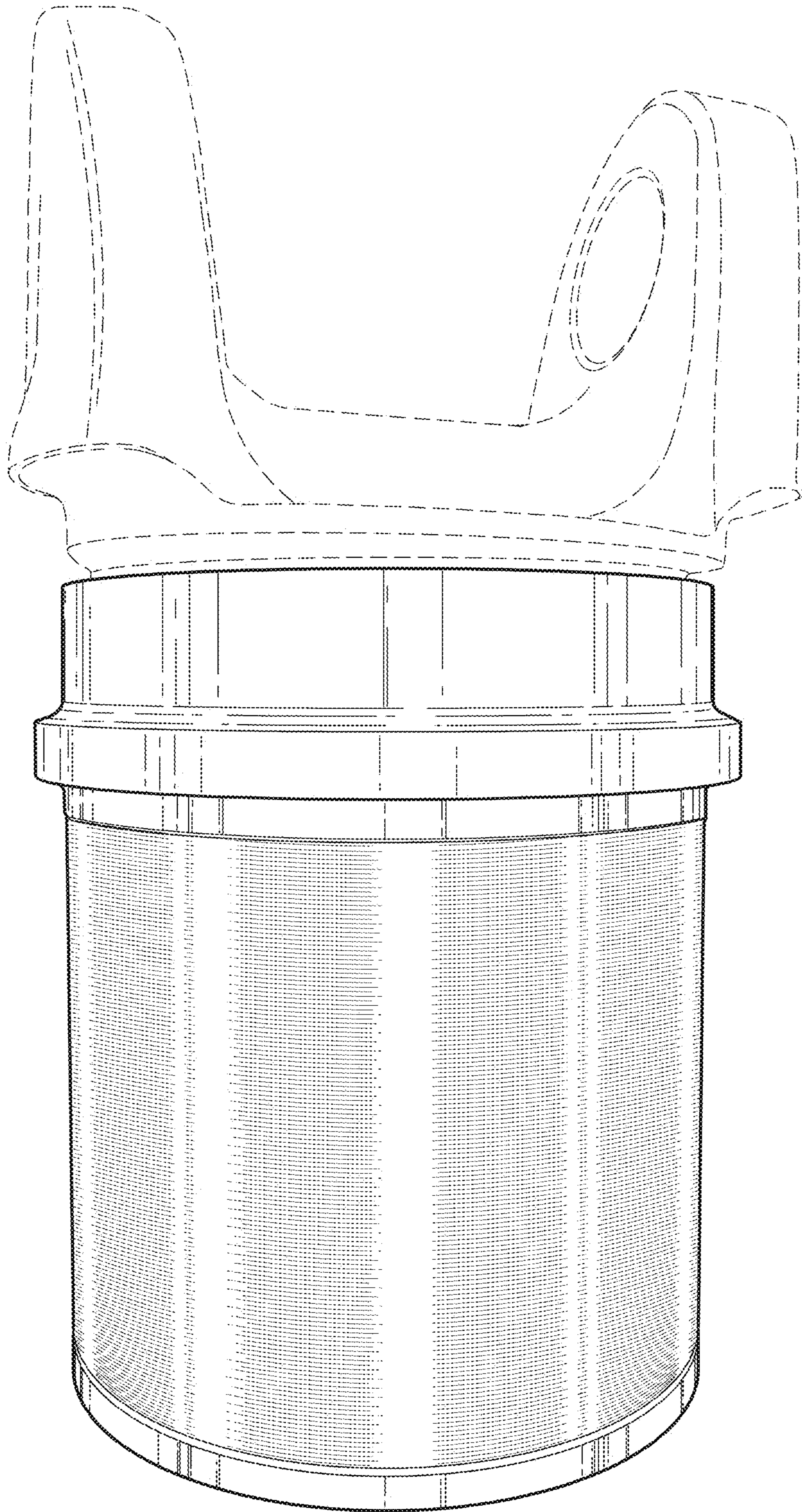


Fig. 10

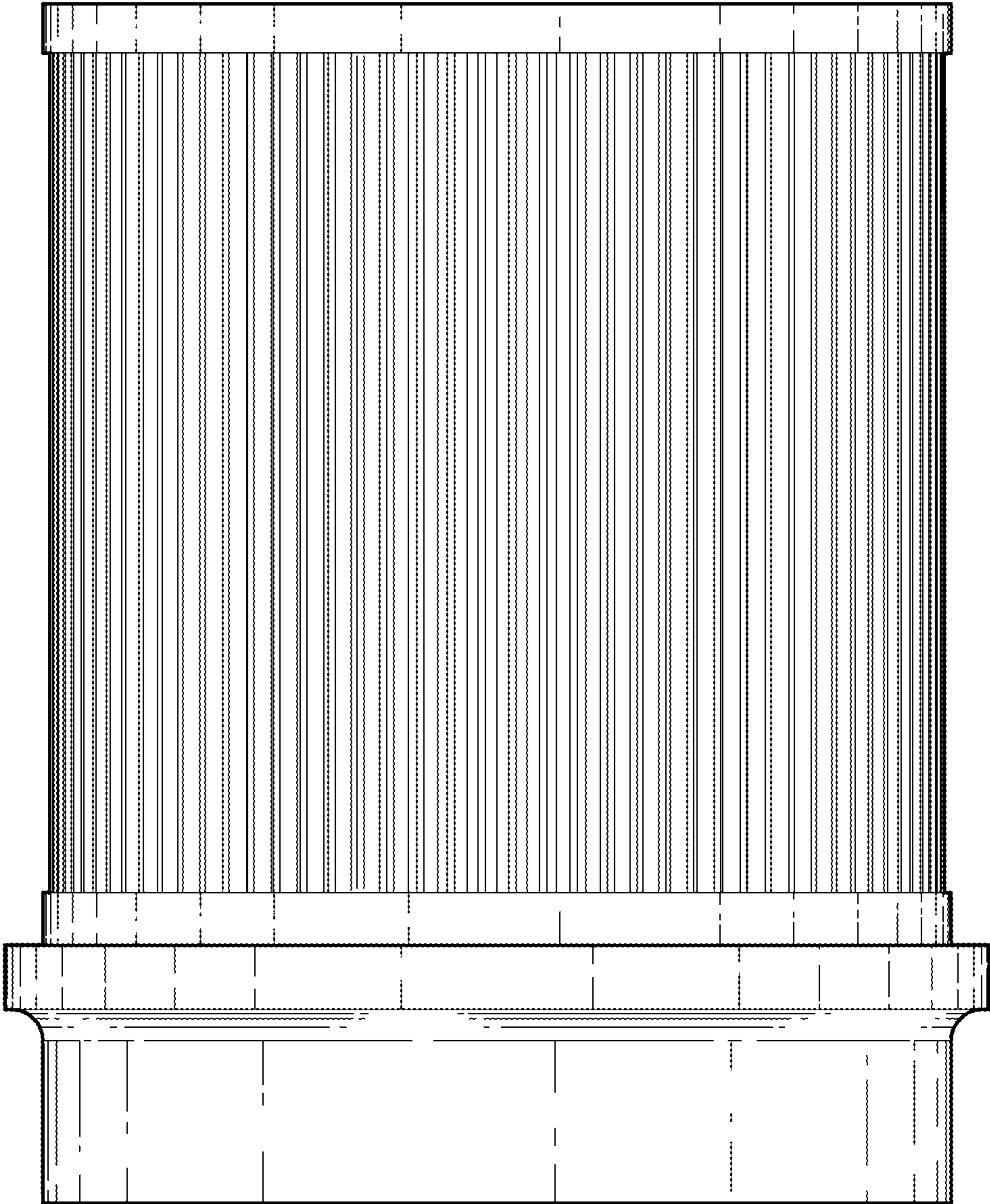


Fig. 11

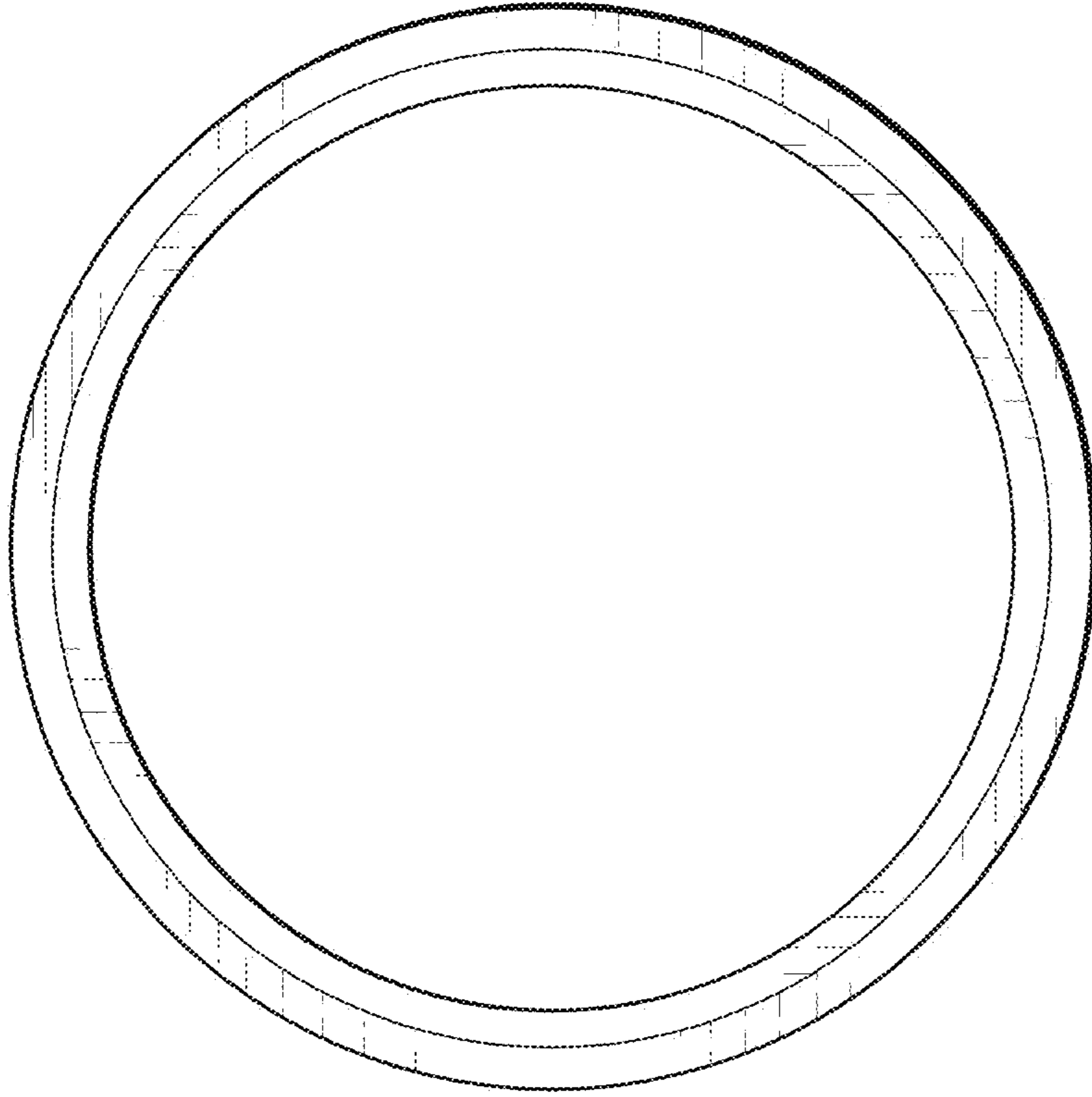


Fig. 13

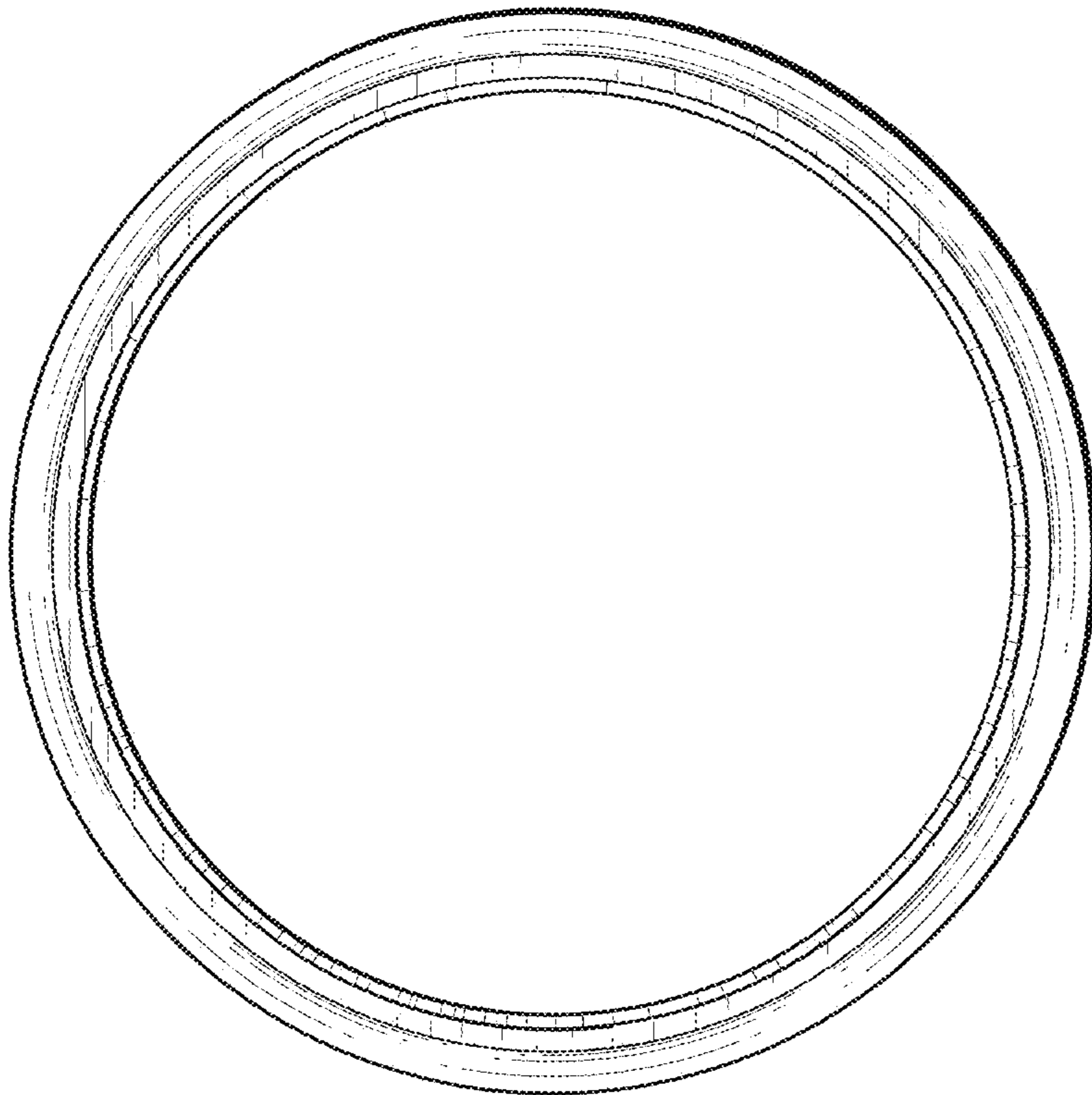


Fig. 12

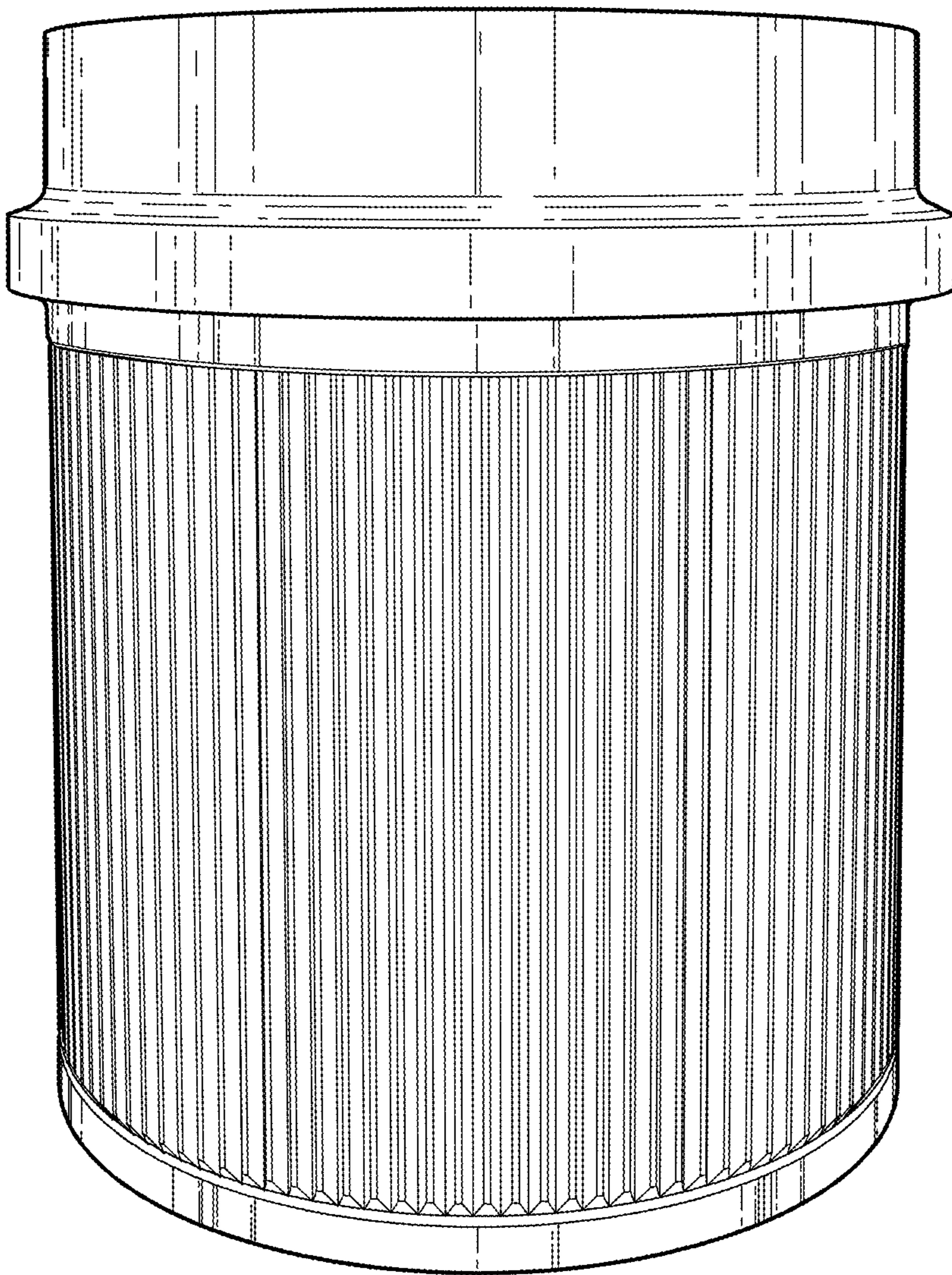


Fig. 14

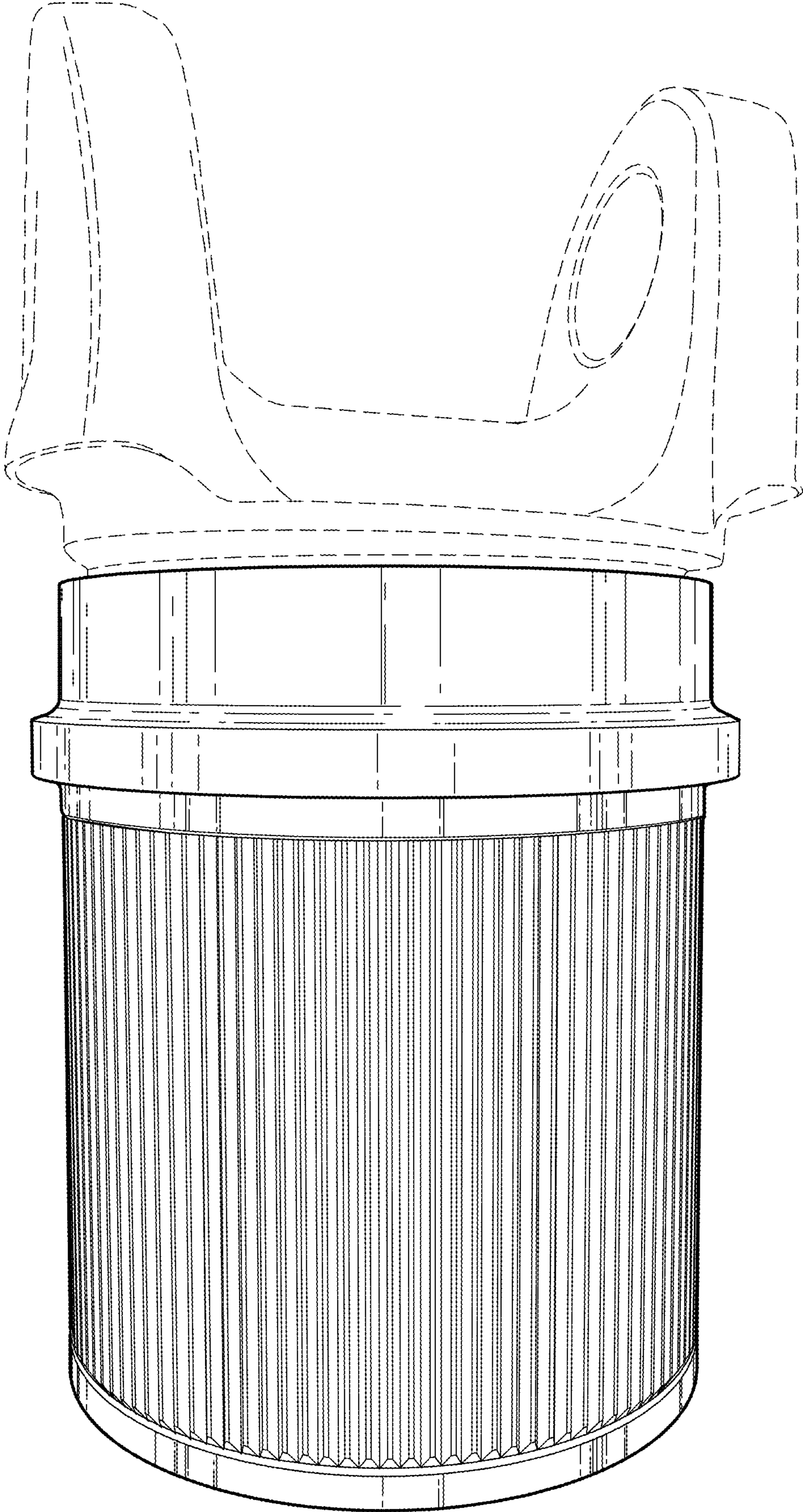


Fig. 15

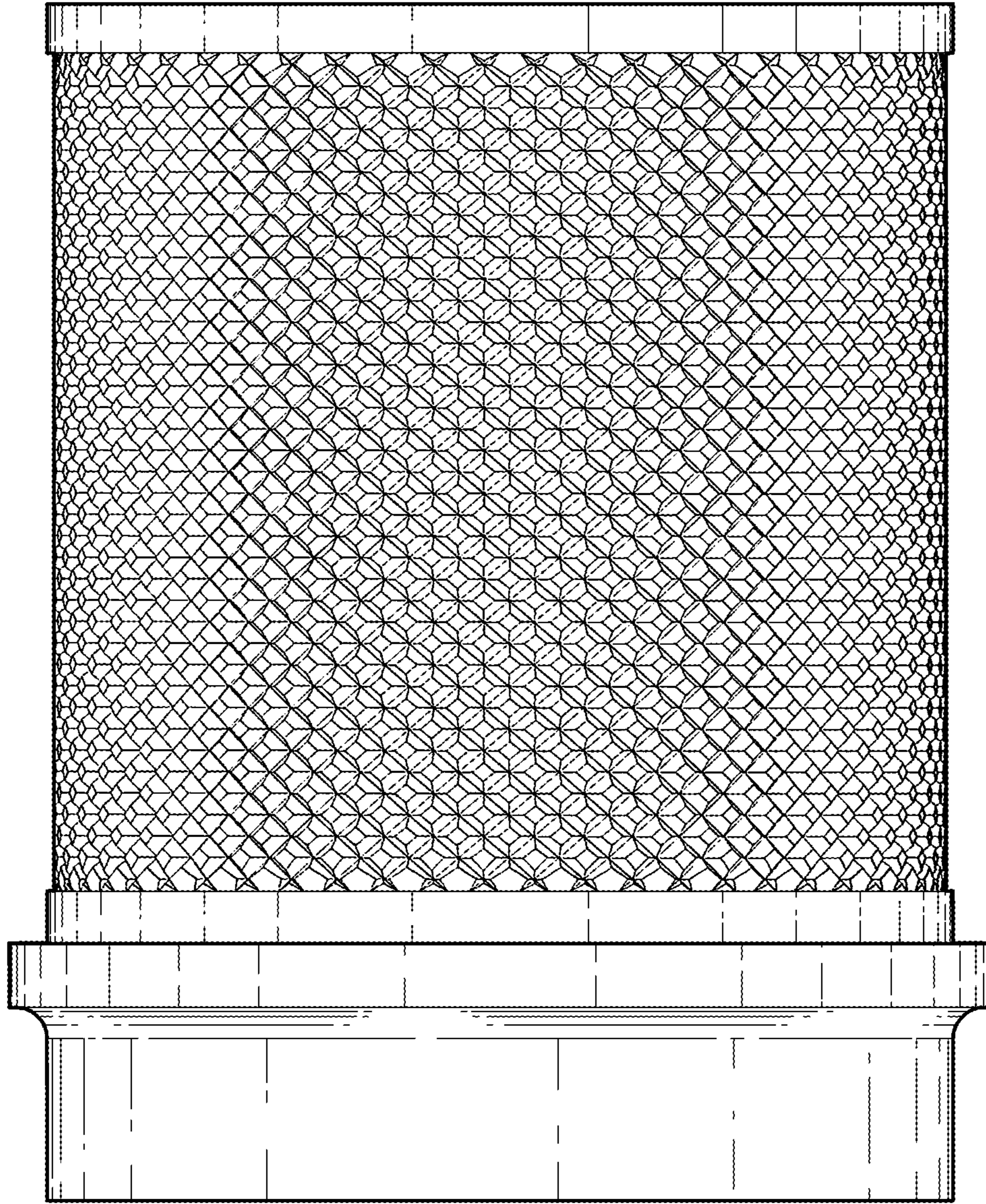


Fig. 16

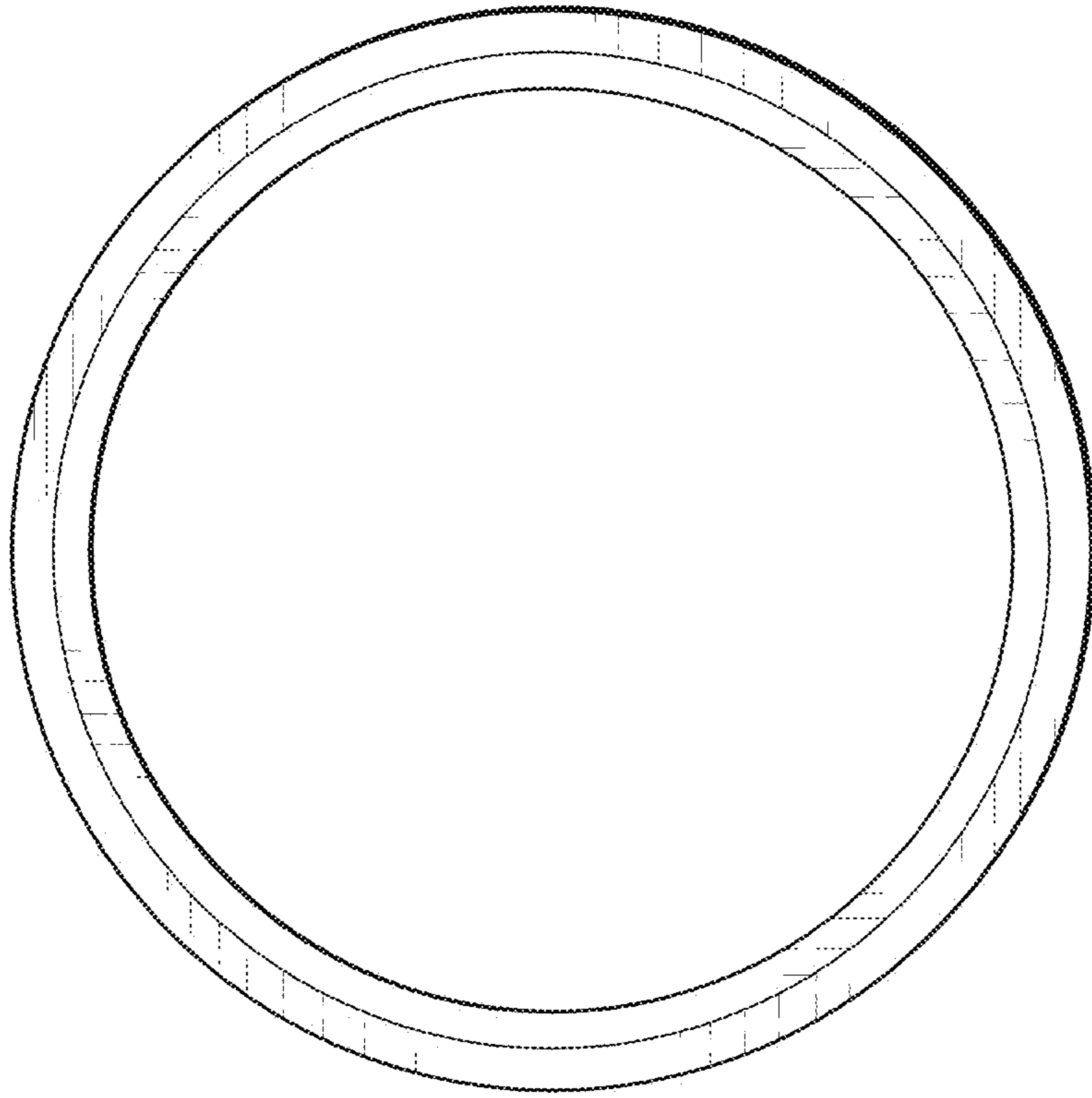


Fig. 18

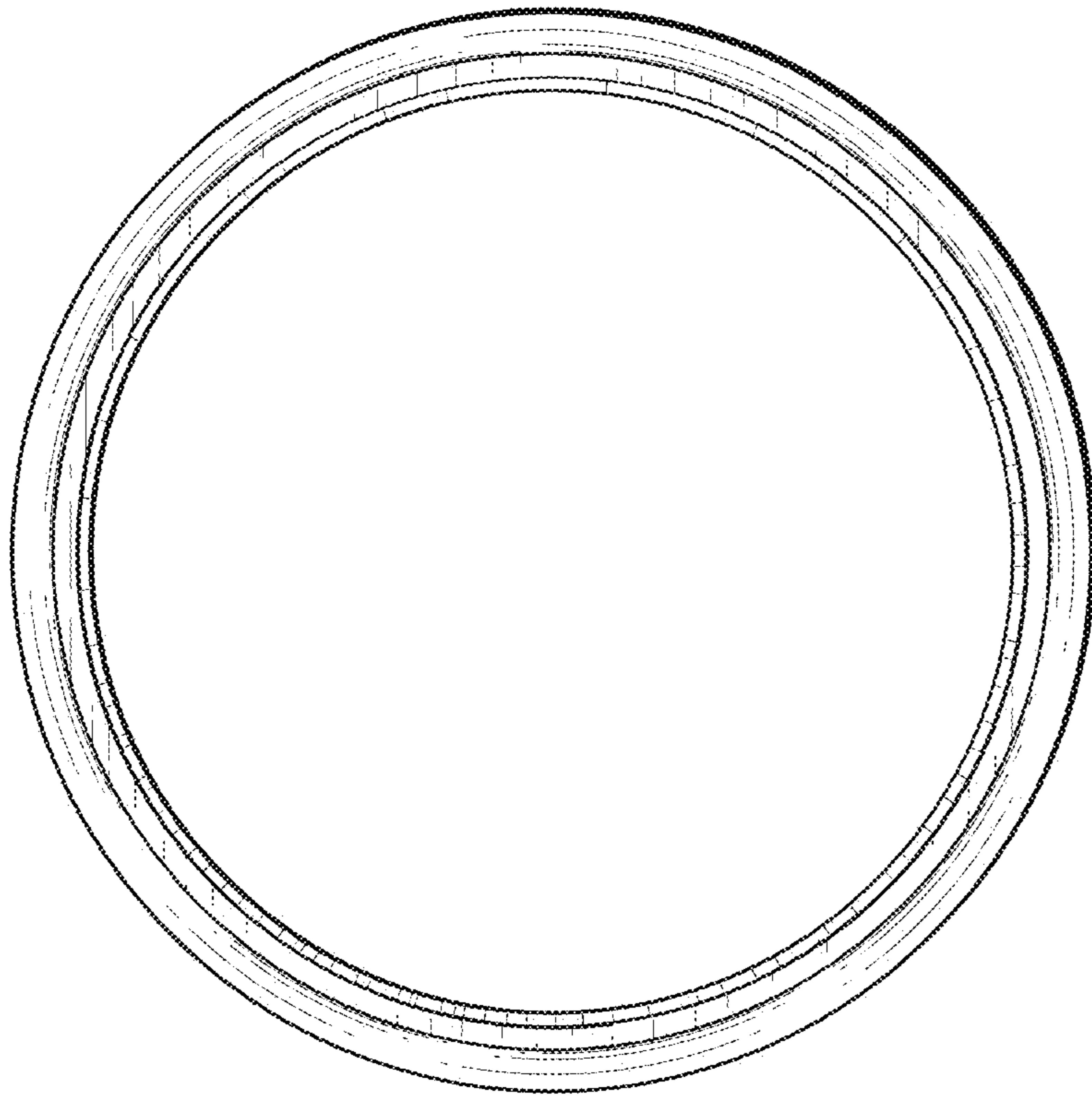


Fig. 17

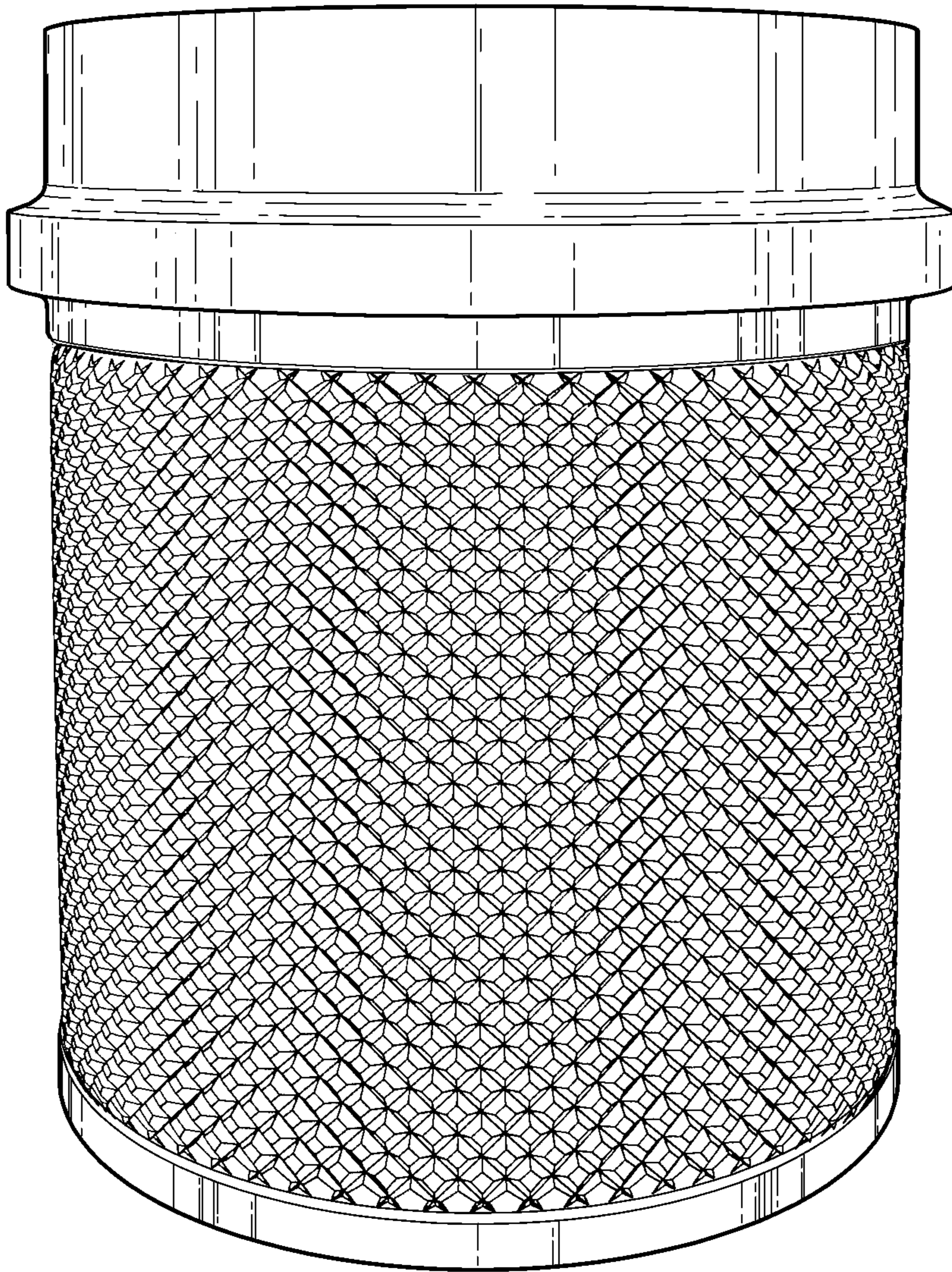


Fig. 19

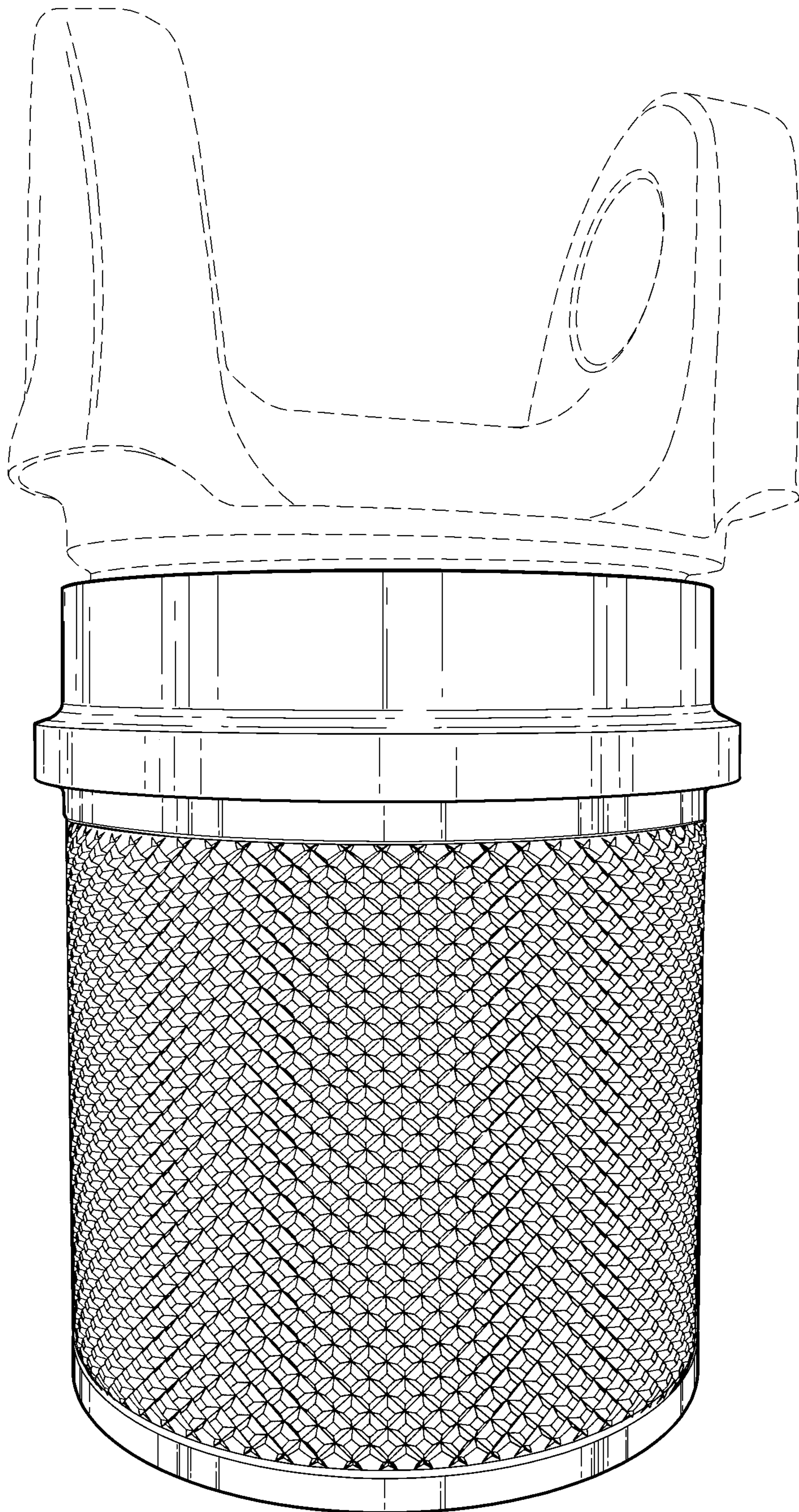


Fig. 20