



US00D484568S

(12)

United States Design Patent
Janik et al.

(10)

Patent No.: US D484,568 S

(45)

Date of Patent: ** Dec. 30, 2003

(54) **FILTER CARTRIDGE**

(75) Inventors: **Leon P. Janik**, Suffield, CT (US);
Michael J. Williams, Glastonbury, CT (US)

(73) Assignee: **Stanadyne Corporation**, Windsor, CT (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/179,090**

(22) Filed: **Apr. 3, 2003**

Related U.S. Application Data

(62) Division of application No. 29/168,002, filed on Sep. 25, 2002.

(51) **LOC (7) Cl.** **23-01**

(52) **U.S. Cl.** **D23/209**

(58) **Field of Search** D23/207, 209;
210/435, 440, 264, 460

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,785,850	A	*	7/1998	Lynch et al.	210/304
6,006,924	A	*	12/1999	Sandford	210/440
D435,631	S	*	12/2000	Janik et al.	D23/209
6,283,307	B1	*	9/2001	Girondi	210/440
6,488,848	B1	*	12/2002	Smith	210/301

* cited by examiner

Primary Examiner—Robin V. Taylor
(74) *Attorney, Agent, or Firm*—Alix, Yale & Ristas, LLP

(57) **CLAIM**

The ornamental design for a filter cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view, portions shown in broken lines, of a filter cartridge showing our new design;

FIG. 2 is a top plan view, portions shown in broken lines, of the filter cartridge of FIG. 1;

FIG. 3 is a front elevational view, portions shown in broken lines, of the filter cartridge of FIG. 1, a portion being broken away and shown in section to illustrate the contour thereof;

FIG. 4 is a front elevational view, portions shown in broken lines, of a second embodiment of the filter cartridge;

FIG. 5 is a side elevational view, portions shown in broken lines, of the filter cartridge of FIG. 4 viewed from the left thereof;

FIG. 6 is a side elevational view, portions shown in broken lines, of the filter cartridge of FIG. 4 viewed from the right thereof;

FIG. 7 is a front elevational view, portions shown in broken lines, of a third embodiment of the filter cartridge;

FIG. 8 is a front elevational view, portions shown in broken lines, of a fourth embodiment of the filter cartridge;

FIG. 9 is a bottom plan view of the filter cartridge of FIGS. 1–8 thereof;

FIG. 10 is a top plan view, portions shown in broken lines, of a filter cartridge configured with four retention tabs showing our new design;

FIG. 11 is a front elevational view, portions shown in broken lines, of the filter cartridge of FIG. 10, the left and right side elevational views being substantially identical;

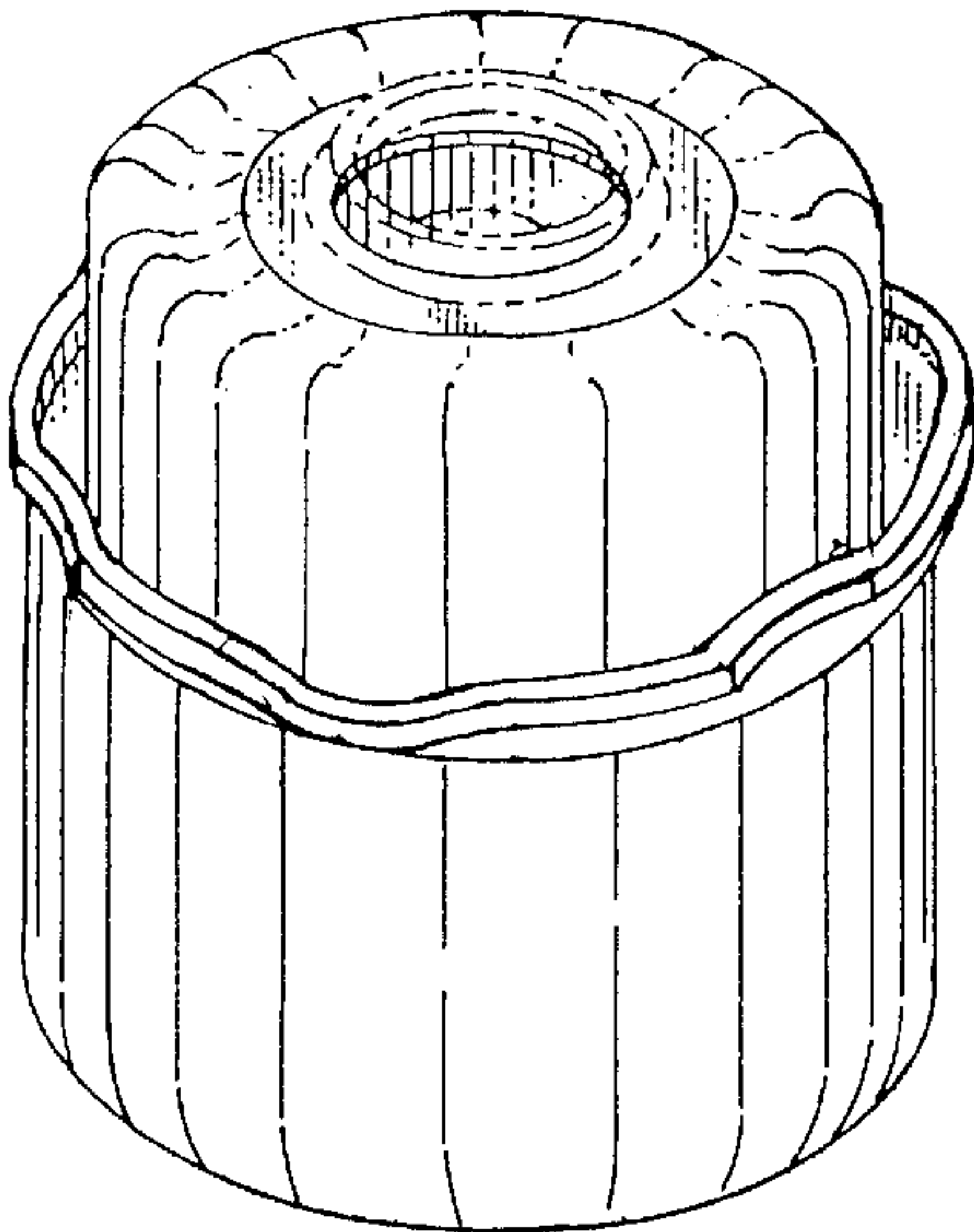
FIG. 12 is a bottom plan view of the filter cartridge of FIG. 10;

FIG. 13 is a top plan view of the filter cartridge of FIG. 4 which is modified to show a new grommet design which may be incorporated into any of the filter cartridges of FIGS. 1–12; and,

FIG. 14 is a side elevational view of the filter cartridge of FIG. 13, the corresponding front and left side views being analogous to that of FIGS. 4 and 5 with the modified grommet therein.

The portions shown in broken lines form no part of the claimed design.

1 Claim, 4 Drawing Sheets



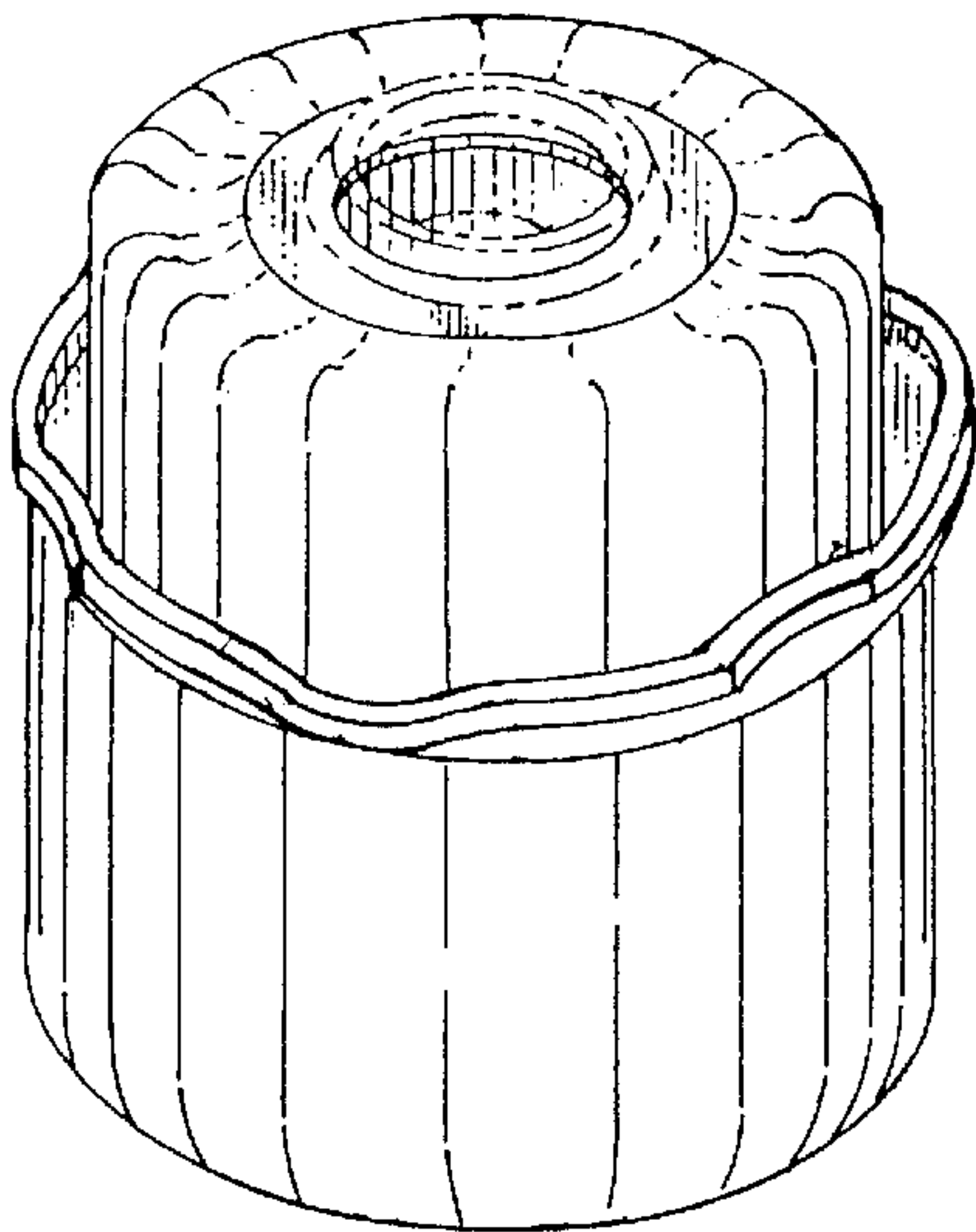


Figure 1

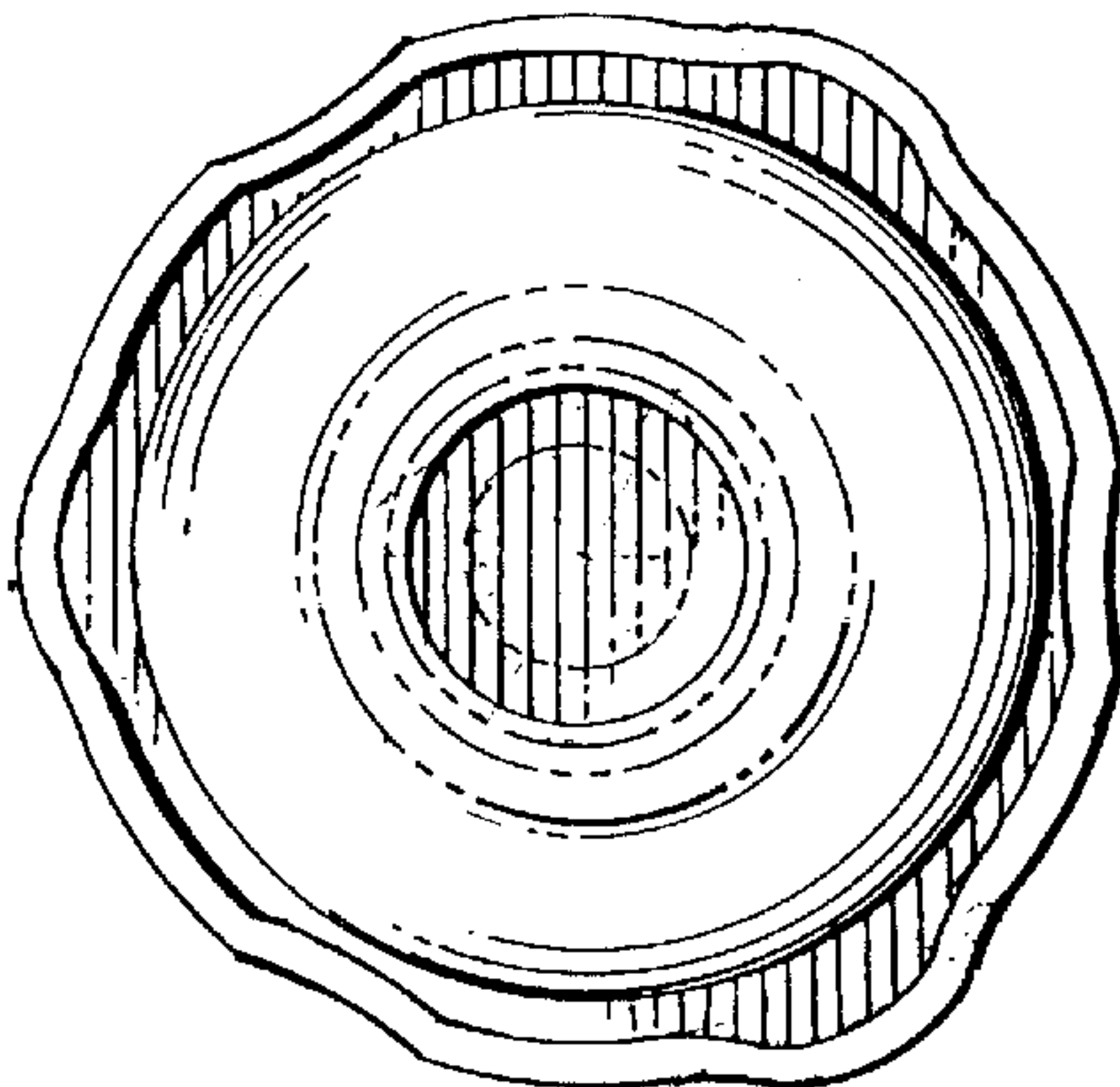


Figure 2

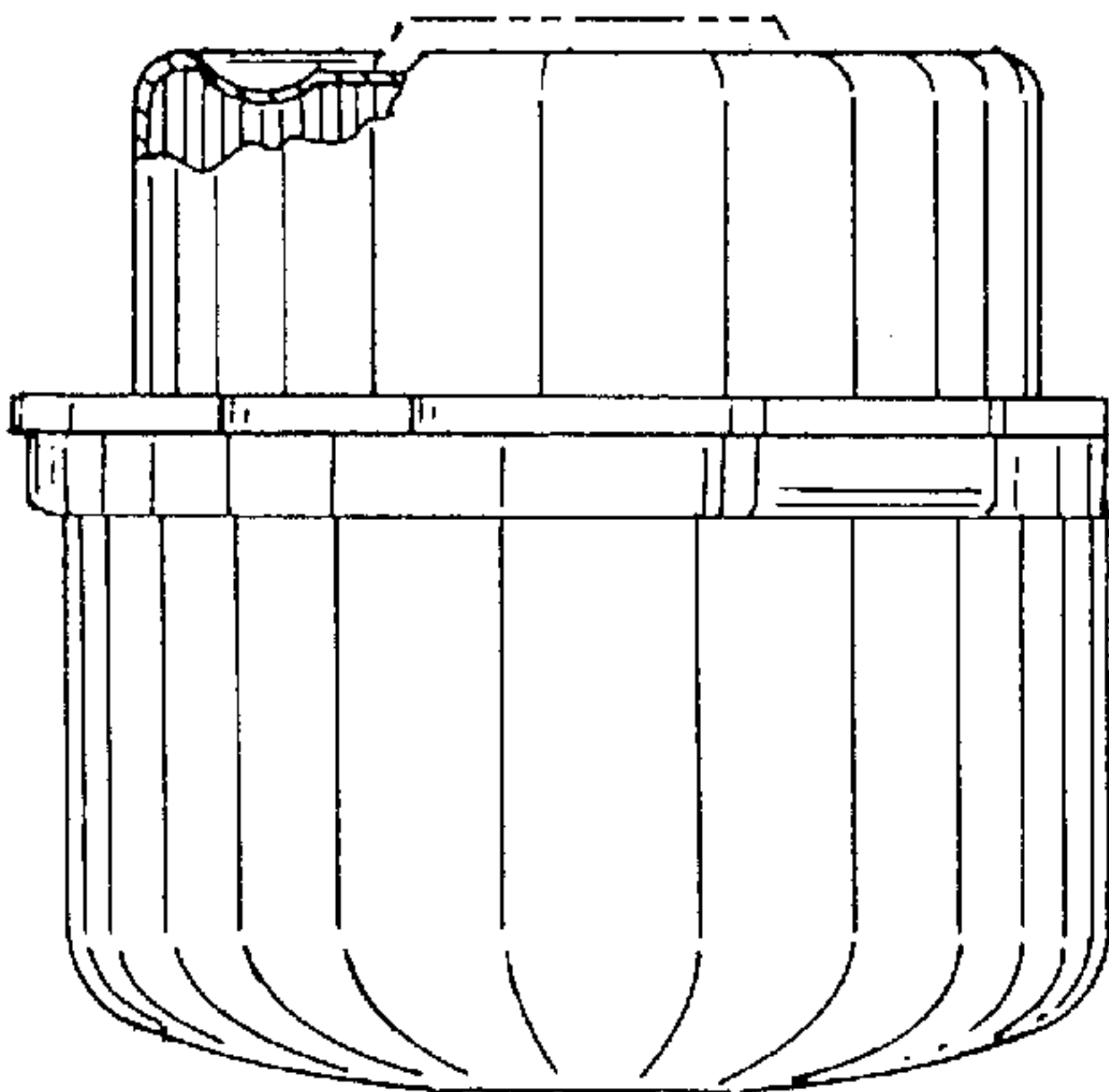


Figure 3

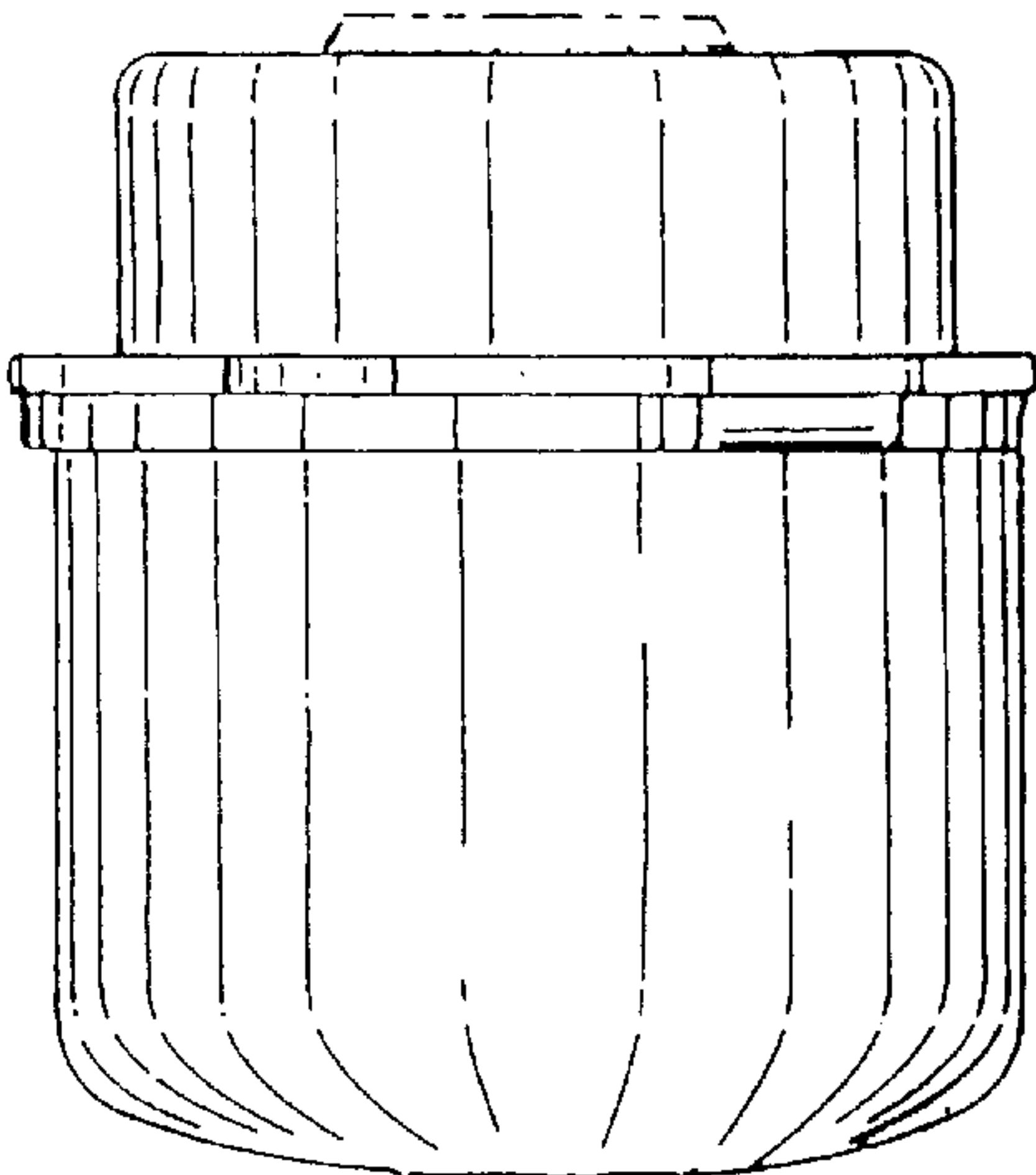


Figure 4

Figure 5

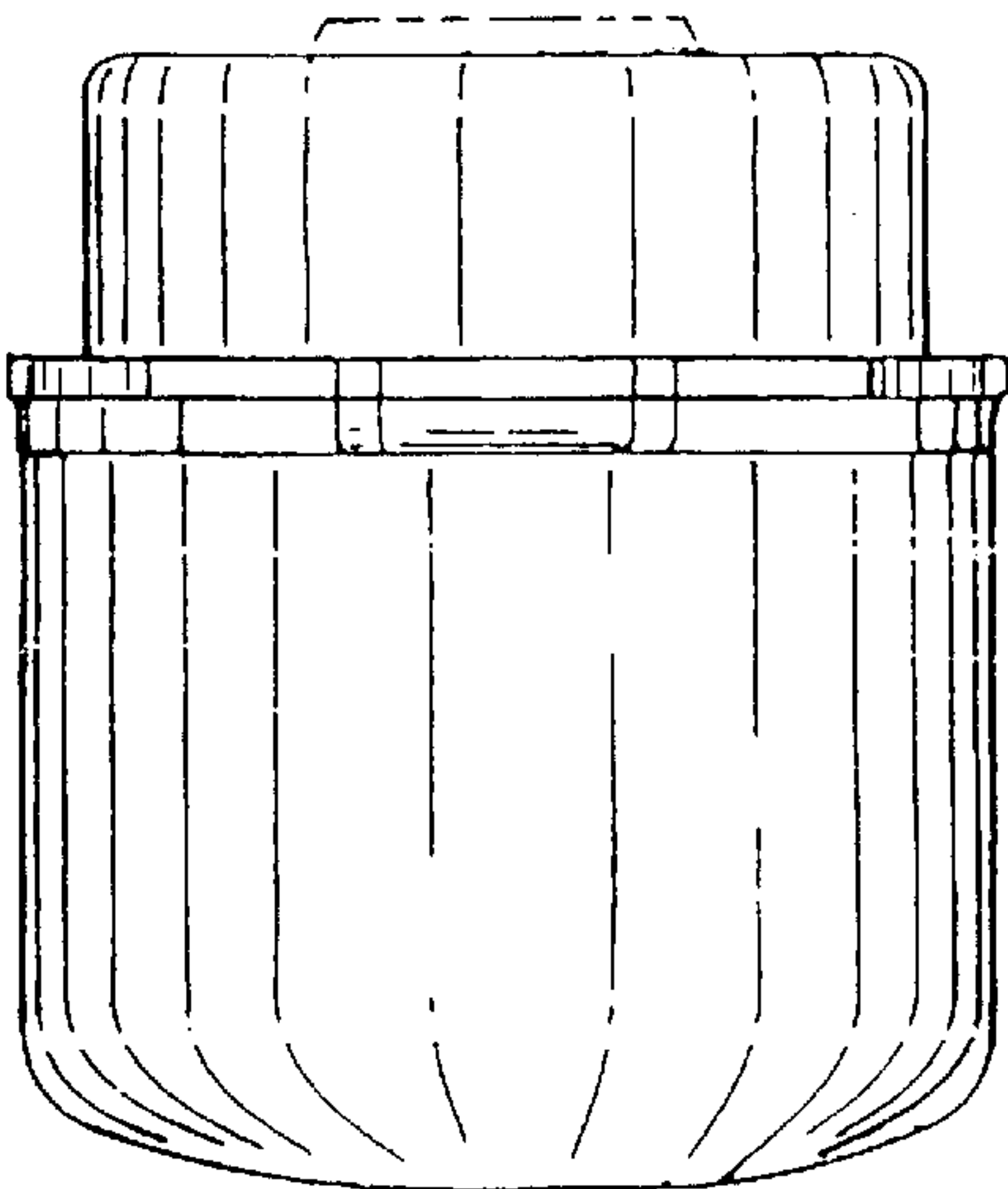


Figure 6

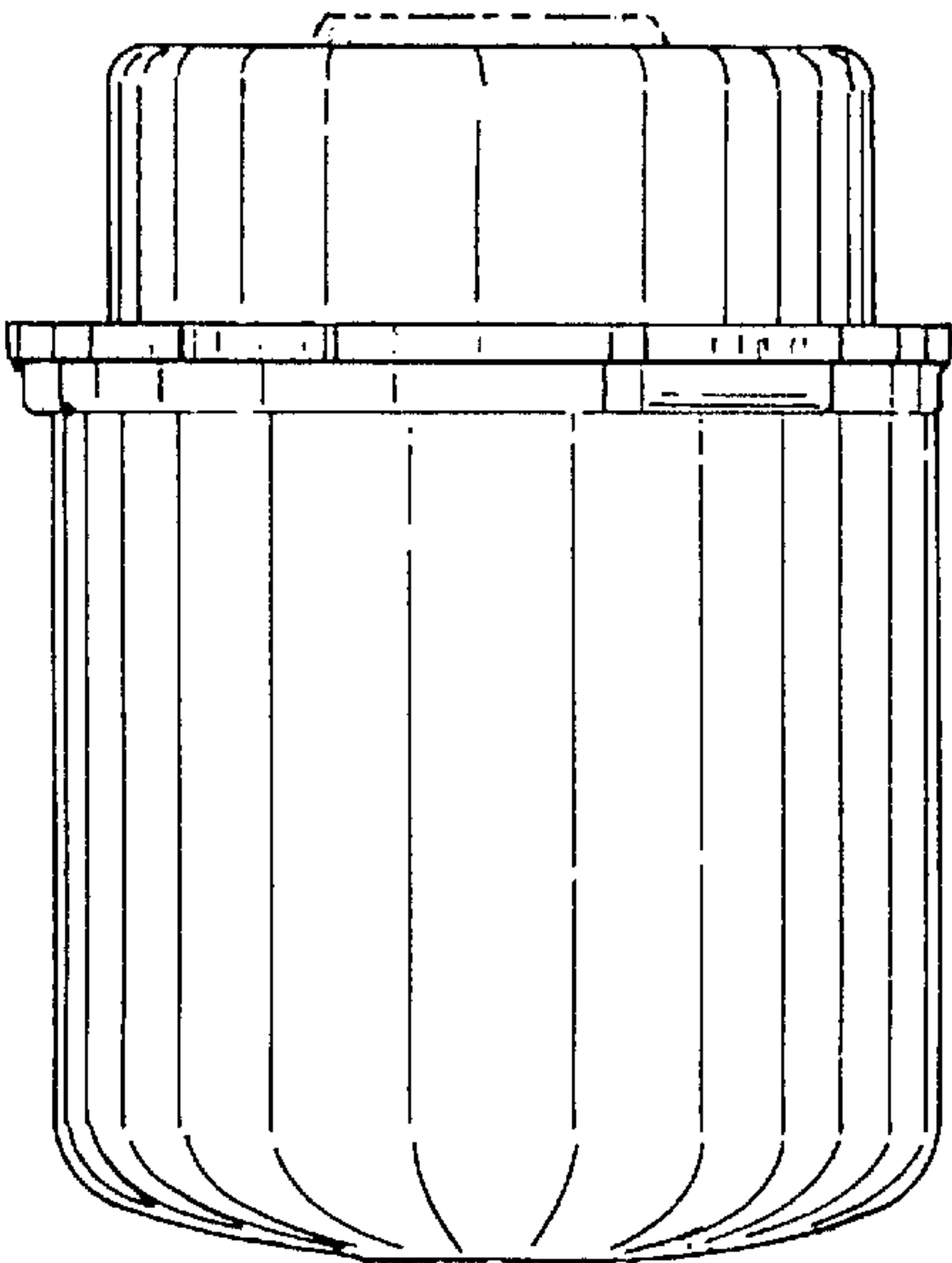


Figure 7

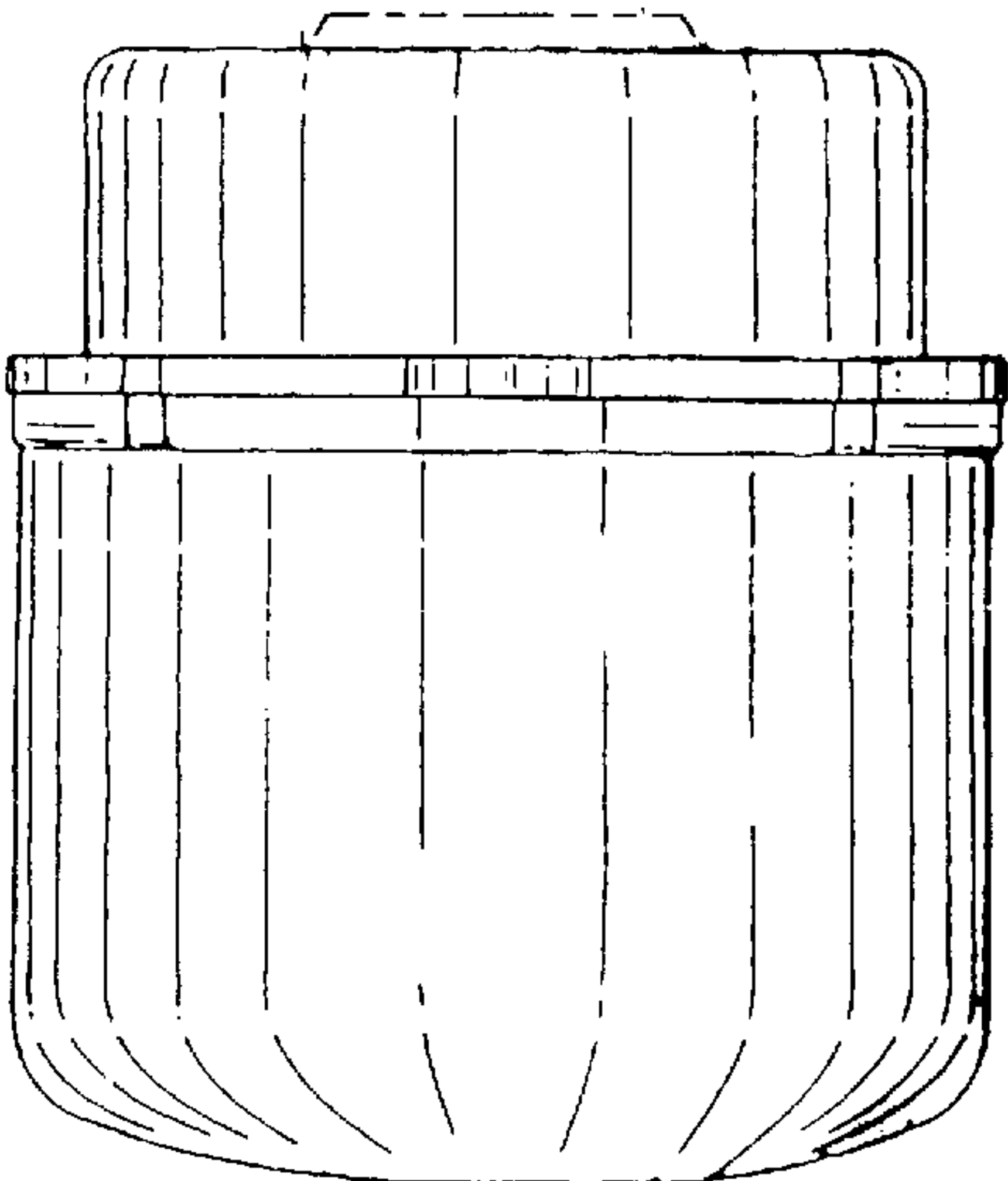


Figure 8

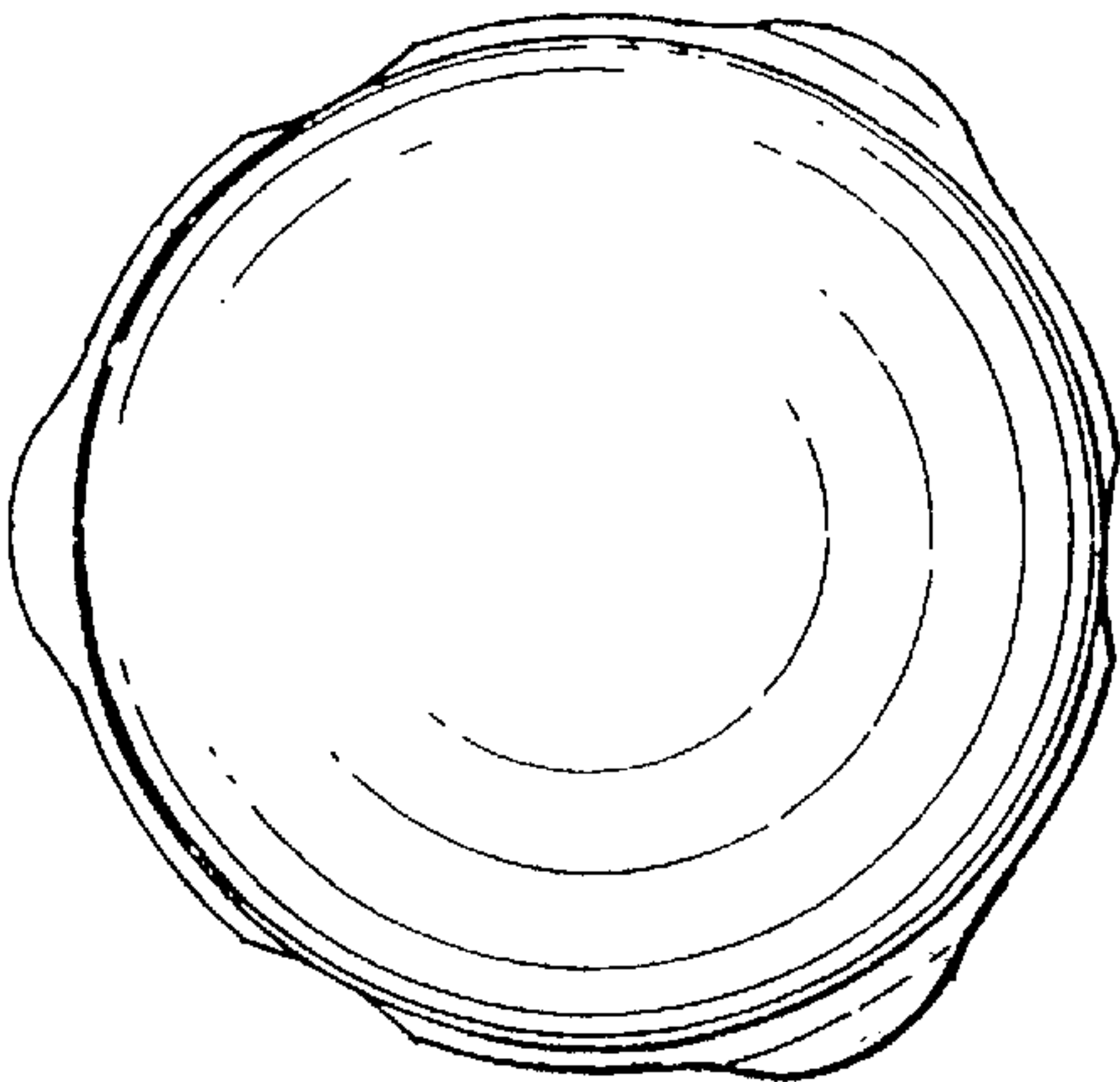
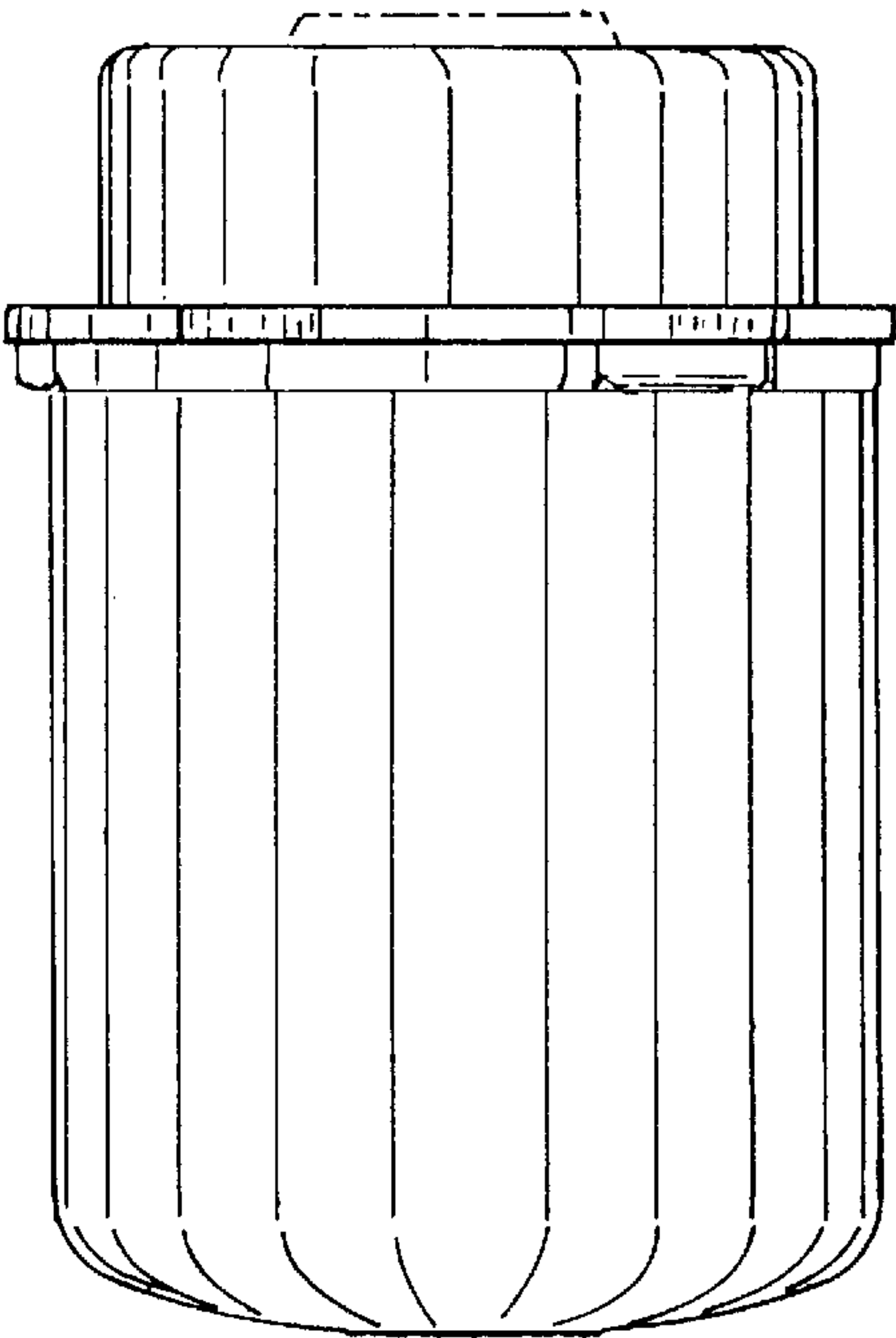
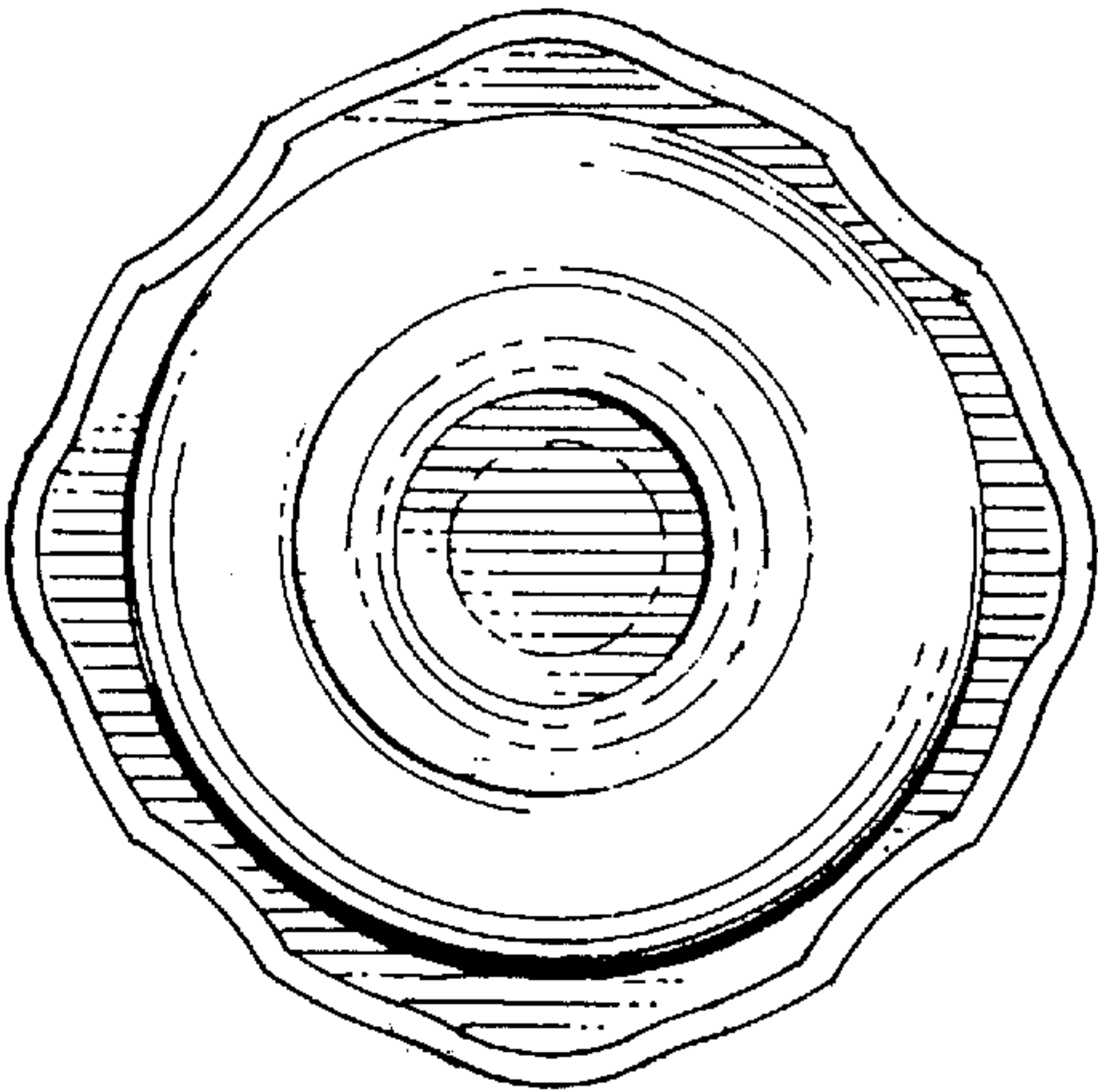


Figure 9

Figure 10



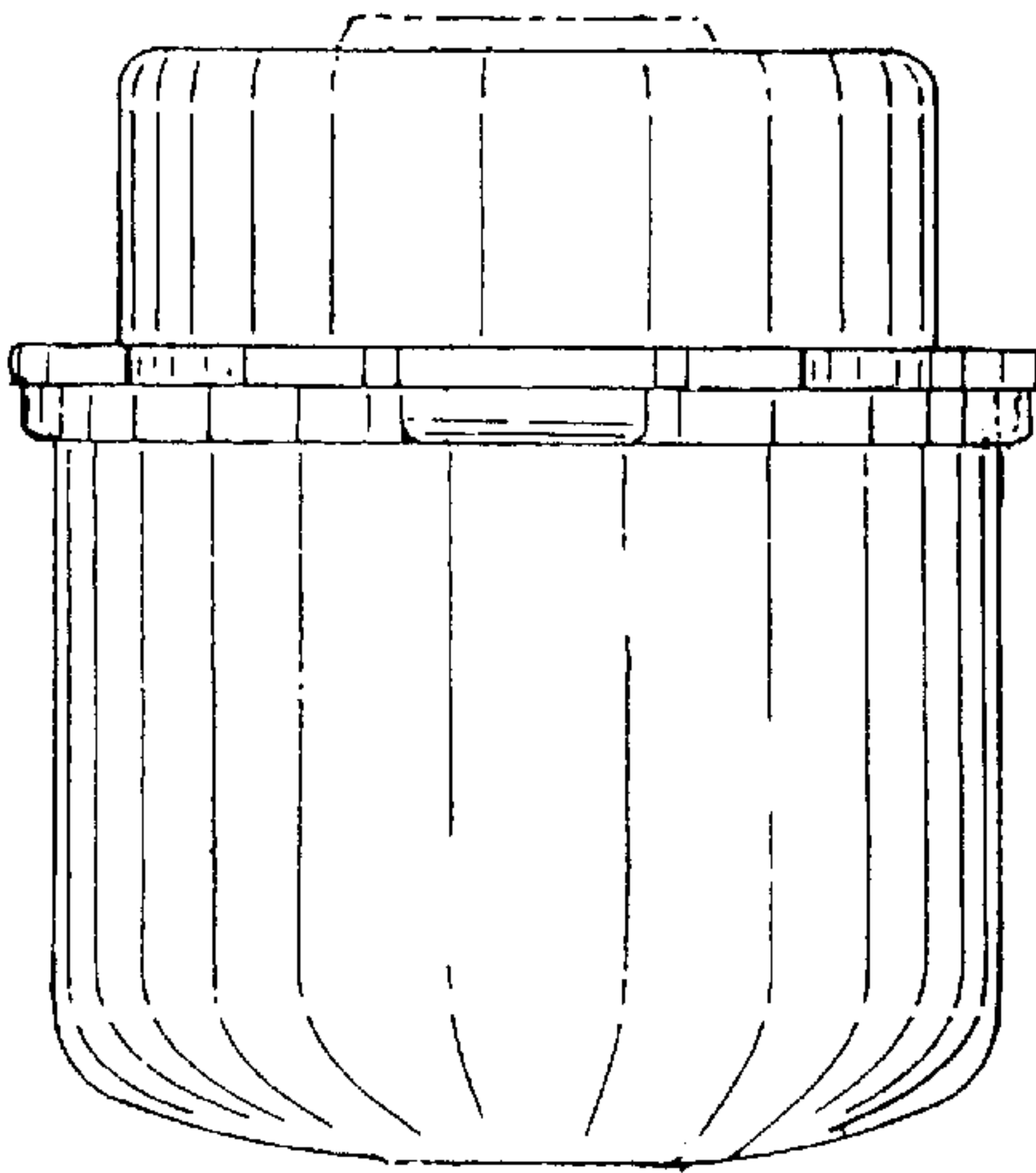


Figure 11

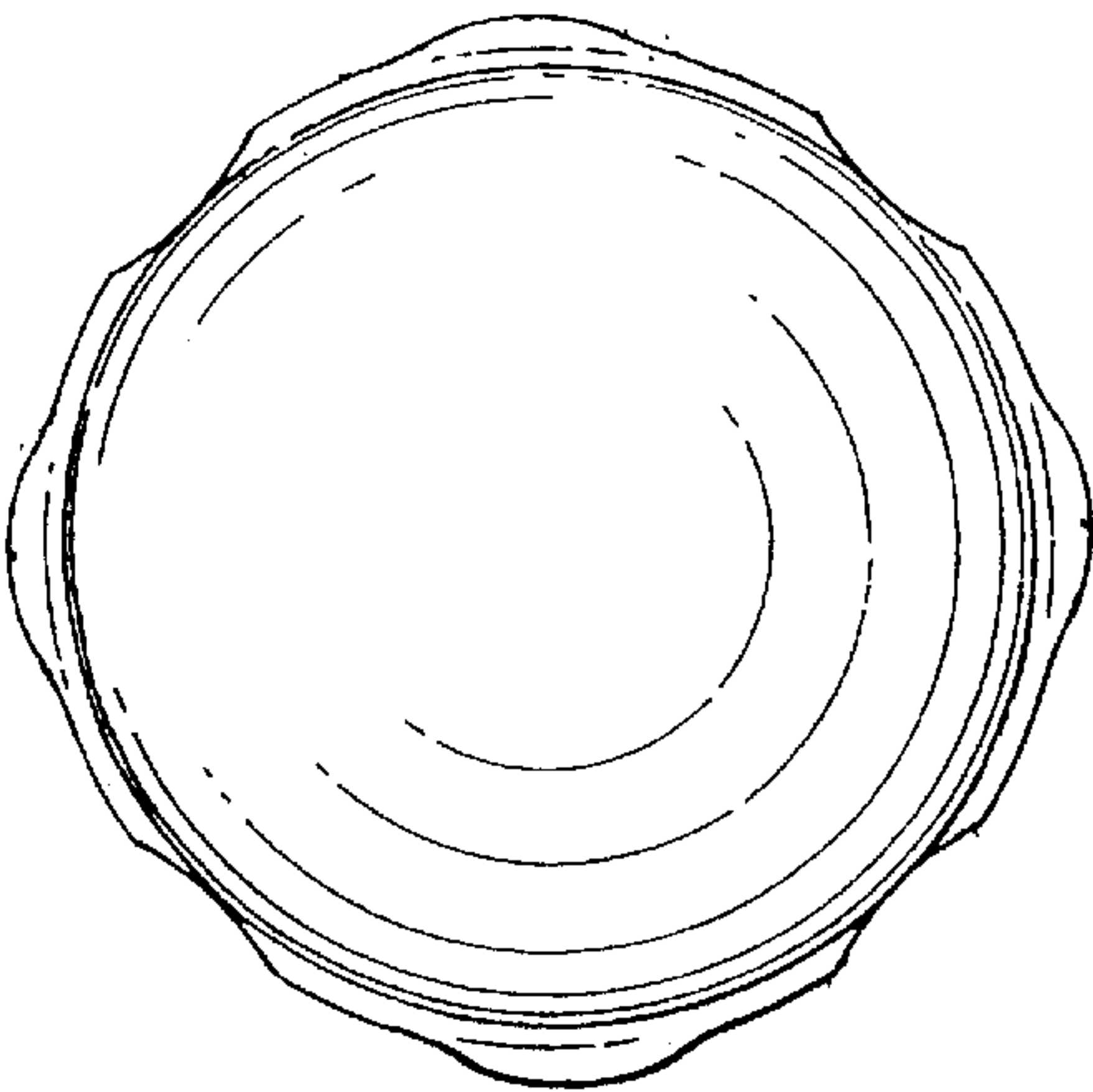


Figure 12

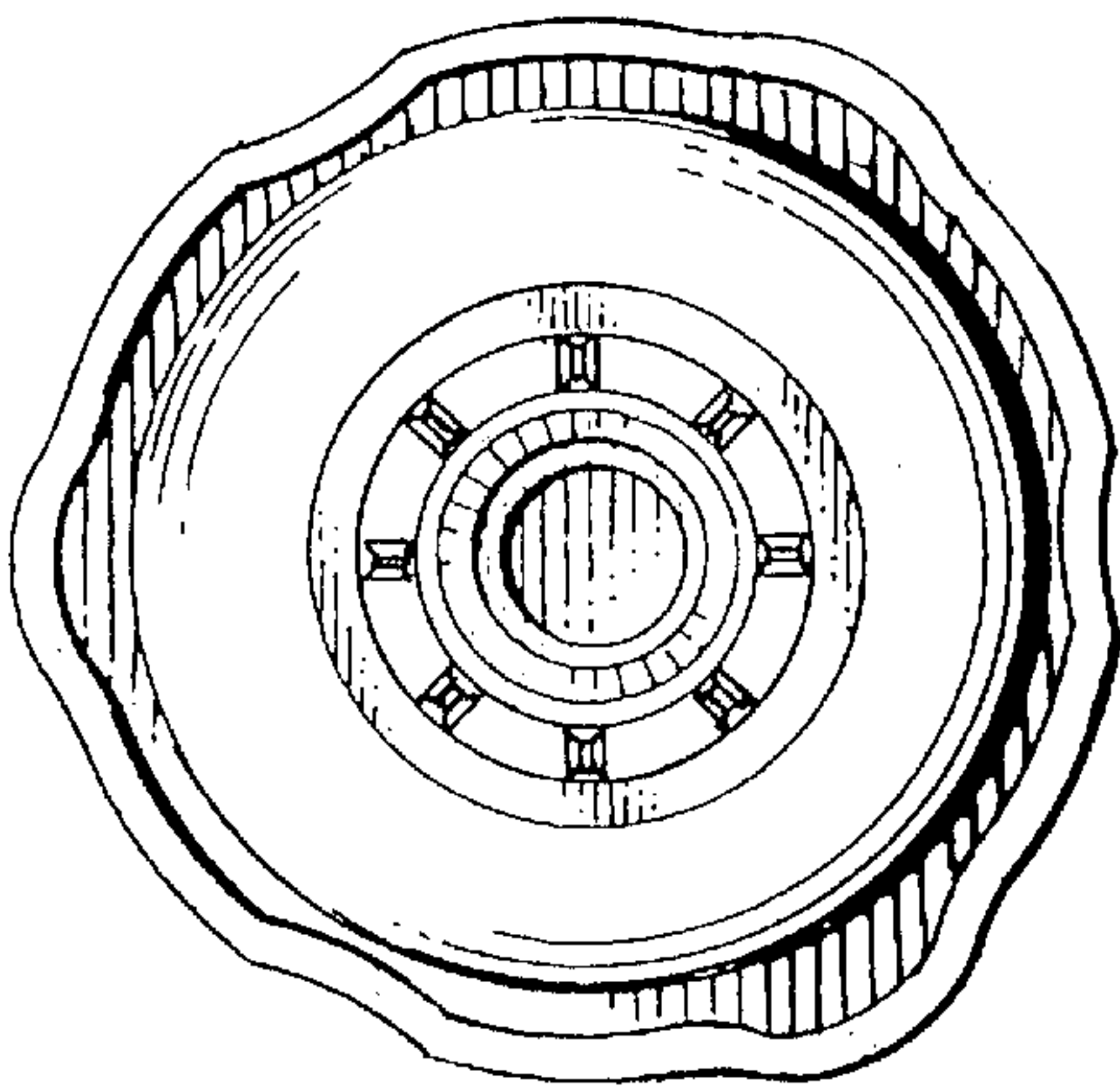


Figure 13

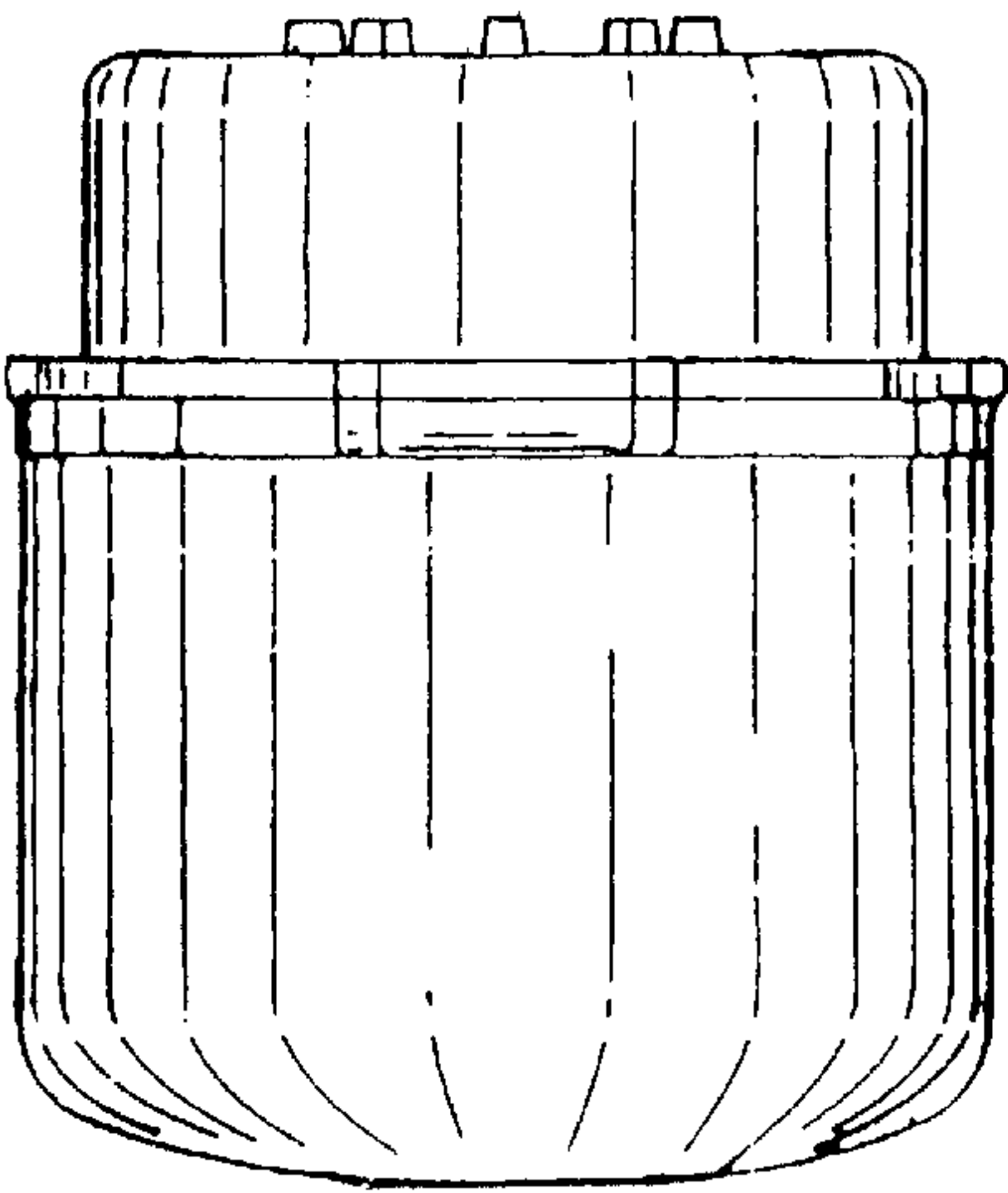


Figure 14