



US00D731634S

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

(10) **Patent No.:** **US D731,634 S**  
(45) **Date of Patent:** **\*\* Jun. 9, 2015**

(54) **AEROSOL FILTER AND EXTRACTION CAP**

(71) Applicants: **Andrew E Page**, Smithton, MO (US);  
**Zachary A Packingham**, Drexel, MO (US); **David S Alburty**, Drexel, MO (US); **Pamela S Murowchick**, Lenexa, KS (US); **Alec D Adolphson**, Raymore, MO (US)

(72) Inventors: **Andrew E Page**, Smithton, MO (US);  
**Zachary A Packingham**, Drexel, MO (US); **David S Alburty**, Drexel, MO (US); **Pamela S Murowchick**, Lenexa, KS (US); **Alec D Adolphson**, Raymore, MO (US)

(73) Assignee: **Innovaprep LLC**, Drexel, MO (US)

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

(21) Appl. No.: **29/441,099**

(22) Filed: **Dec. 31, 2012**

(51) **LOC (10) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/365**

(58) **Field of Classification Search**  
USPC ..... D23/365, 209, 363, 358, 386, 354, 341,  
D23/364; 55/385.3, 502, 497, 506, 505,  
55/521, 495, 422, 493, DIG. 30; 210/435,  
210/130, 136, 248, 339, 448, 452, 497.1  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,761,527	A	*	9/1956	Dreznes	.....	55/495
D360,929	S	*	8/1995	Albertson	.....	D23/209
D439,962	S	*	4/2001	Gieseke et al.	.....	D23/365
D440,293	S	*	4/2001	Gieseke et al.	.....	D23/365
D441,422	S	*	5/2001	Jensen	.....	D23/209
D460,169	S	*	7/2002	Anderson et al.	.....	D23/365
D464,721	S	*	10/2002	Rock	.....	D23/365
D466,969	S	*	12/2002	Druga	.....	D23/209
D476,725	S	*	7/2003	Dushek et al.	.....	D23/365

D501,533	S	*	2/2005	Robinson et al.	.....	D23/209
D530,807	S	*	10/2006	Miyagishima et al.	.....	D23/365
D659,537	S	*	5/2012	Ritzenhoff	.....	D9/500
D710,488	S	*	8/2014	Alima	.....	D23/363
2011/0067505	A1		3/2011	Page et al.		

\* cited by examiner

*Primary Examiner* — David Muller

*Assistant Examiner* — Nathan Johnston

(74) *Attorney, Agent, or Firm* — Patterson Thunten Pedersen, P.A.

(57) **CLAIM**

We claim the ornamental design for an aerosol filter and extraction cap, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an assembled aerosol filter and extraction cap according to an embodiment of the invention. FIG. 2 is an elevational view of the aerosol filter and extraction cap depicted in FIG. 1.

FIG. 3 is a top plan view of the aerosol filter and extraction cap depicted in FIG. 1.

FIG. 4 is a bottom plan view of the aerosol filter and extraction cap depicted in FIG. 1.

FIG. 5 is an exploded perspective view of the aerosol filter and extraction cap depicted in FIG. 1.

FIG. 6 is a perspective view of the aerosol filter depicted in FIGS. 1 through 5.

FIG. 7 is an elevational view of the aerosol filter depicted in FIG. 6.

FIG. 8 is a top plan view of the aerosol filter depicted in FIG. 6.

FIG. 9 is a bottom plan view of the aerosol filter depicted in FIG. 6.

FIG. 10 is a perspective view of the extraction cap depicted in FIGS. 1 through 5.

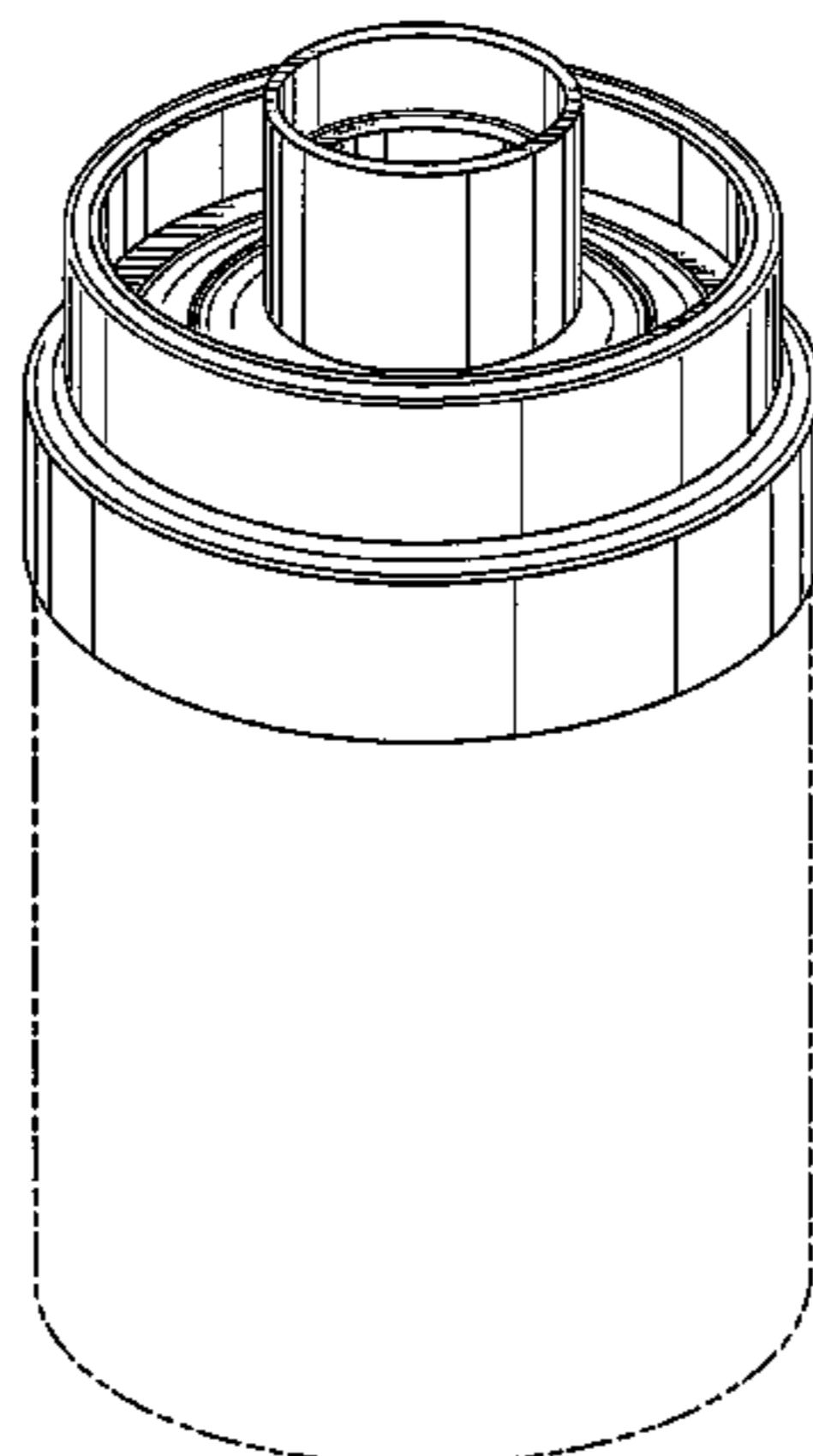
FIG. 11 is an elevational view of the extraction cap depicted in FIG. 10.

FIG. 12 is a top plan view of the extraction cap depicted in FIG. 10; and,

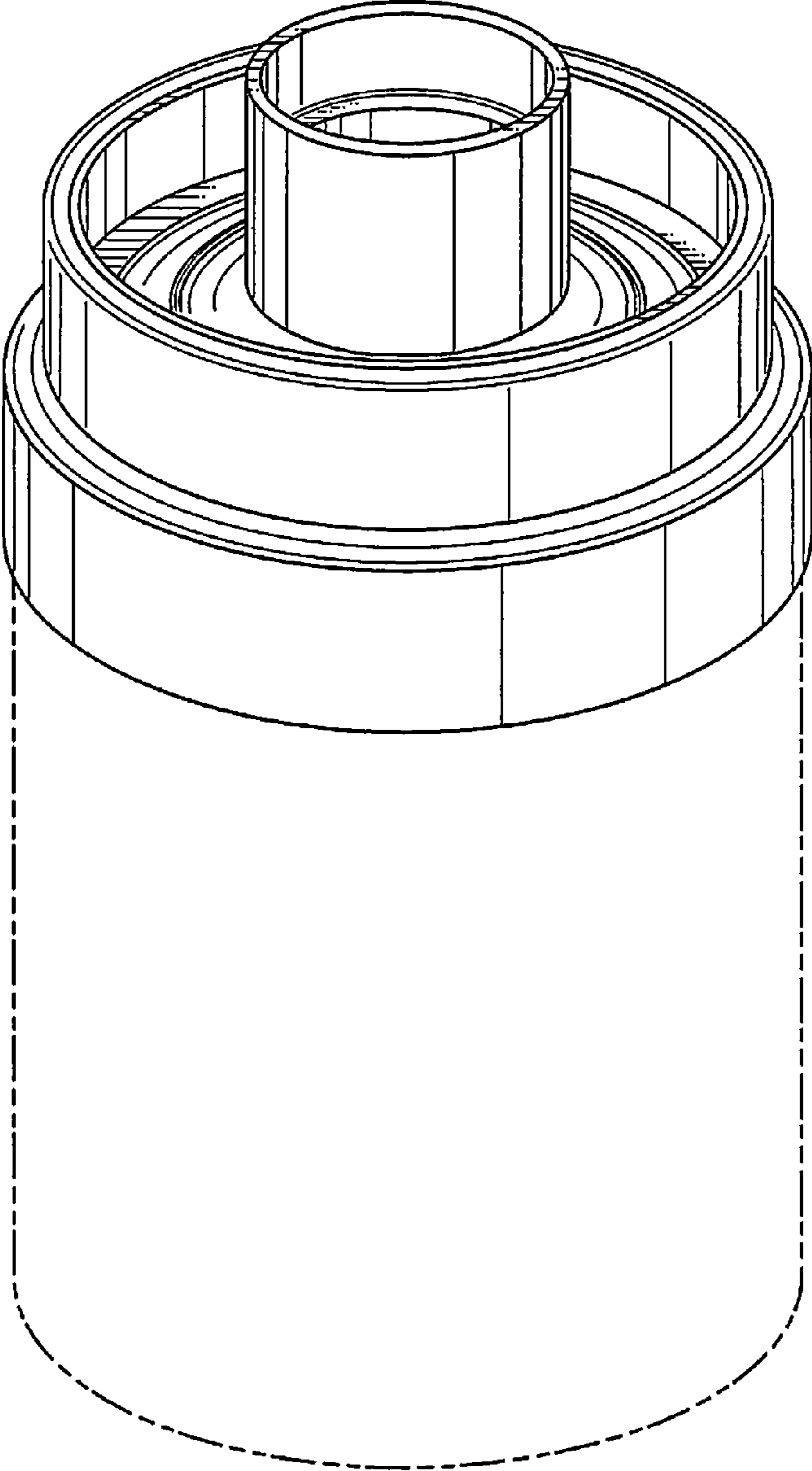
FIG. 13 is a bottom plan view of the extraction cap depicted in FIG. 10.

The broken line showing of parts of the drawings is included for the purpose of illustrating use and environment and forms no part of the claimed design. The portion of filter material shown in FIGS. 4 and 9 forms no part of the claimed design.

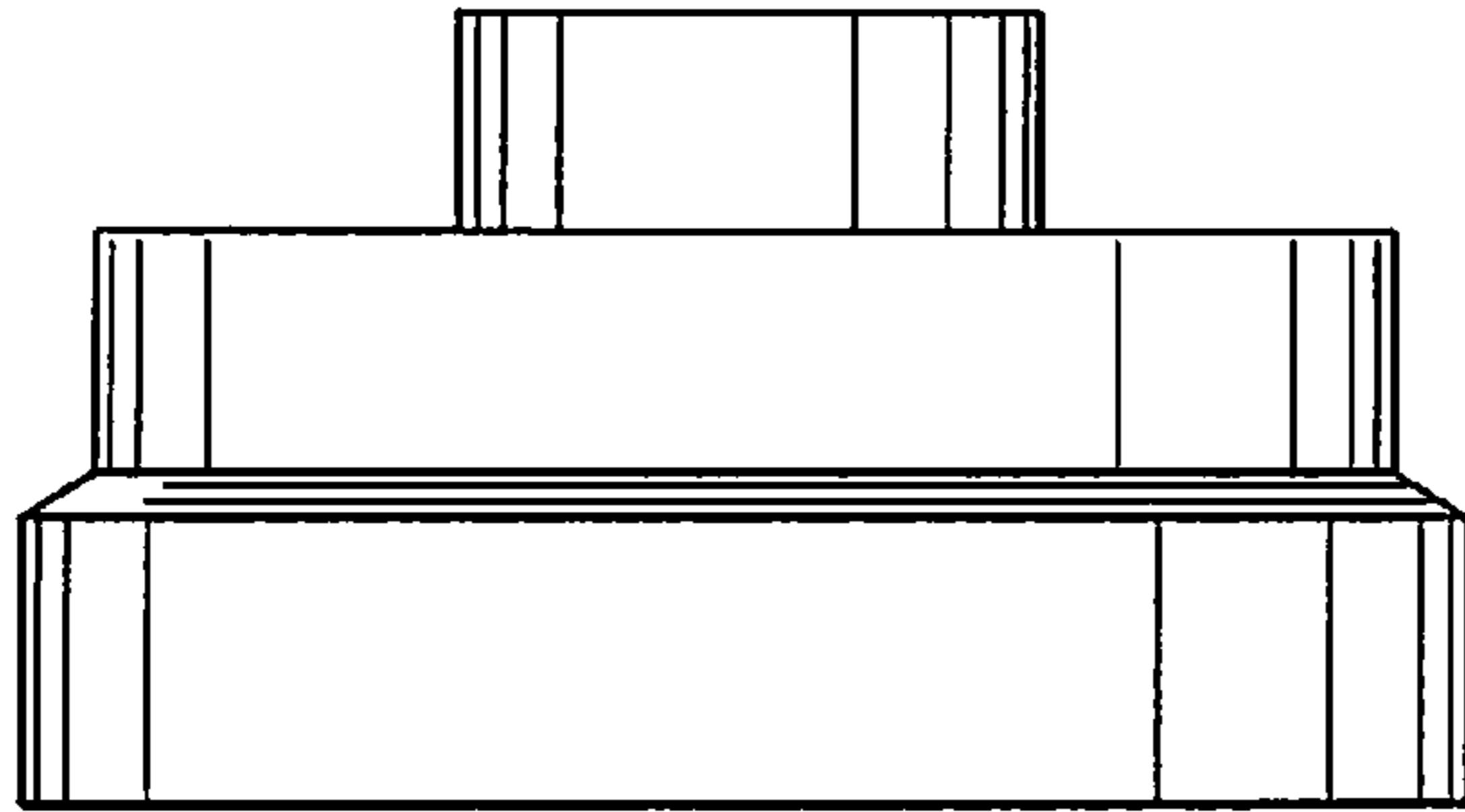
**1 Claim, 5 Drawing Sheets**



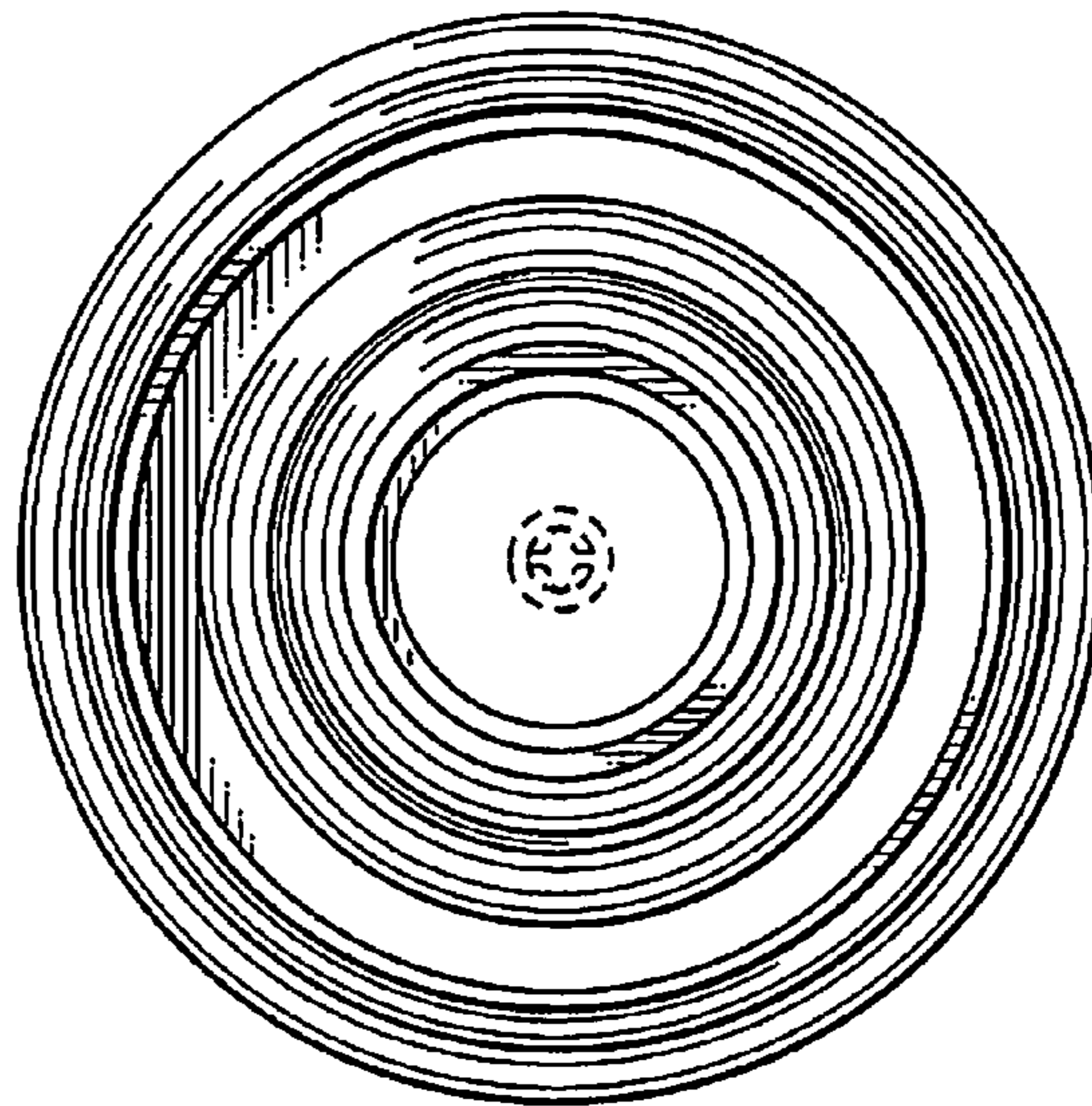
**Fig. 1**



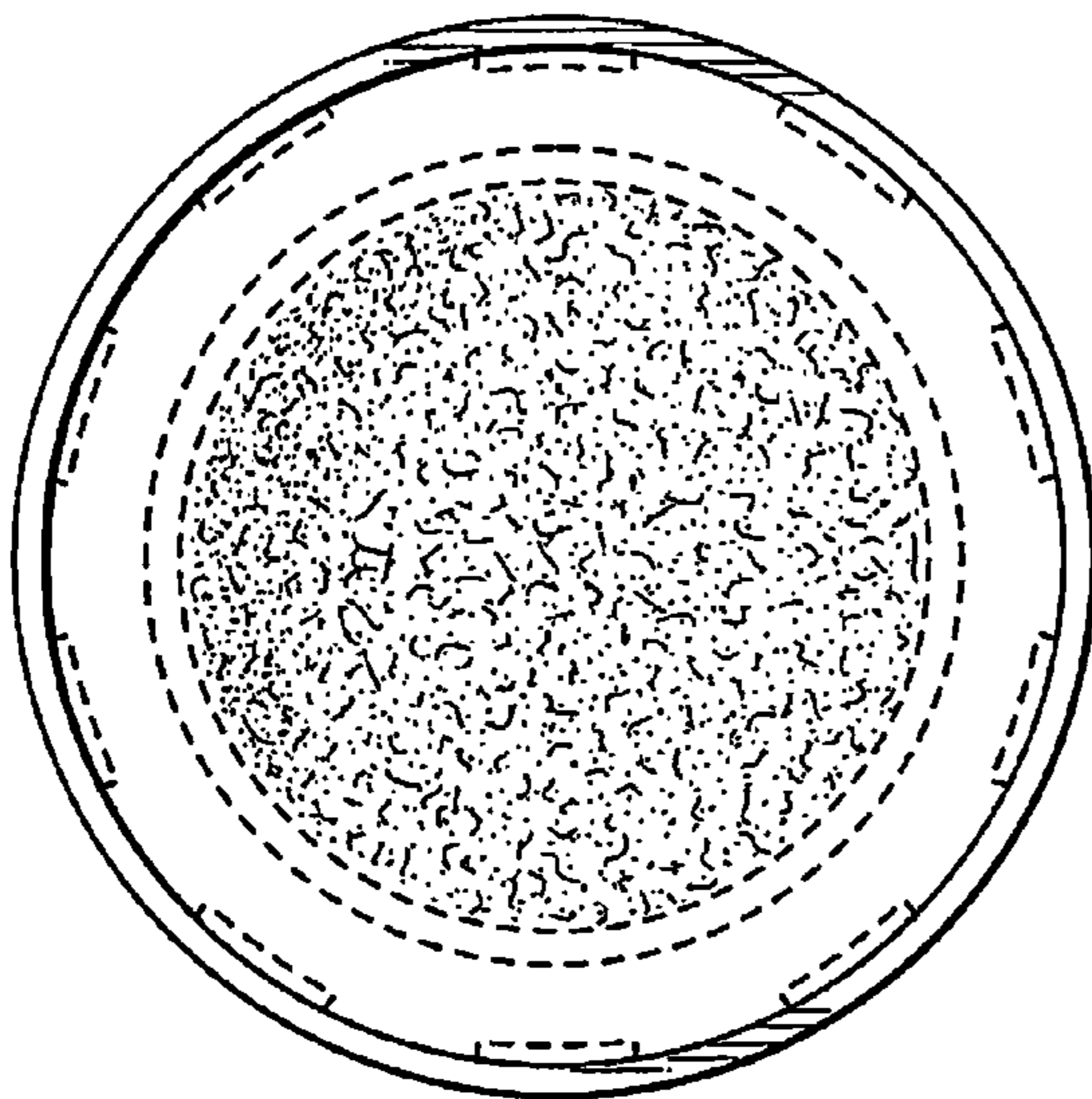
**Fig. 2**



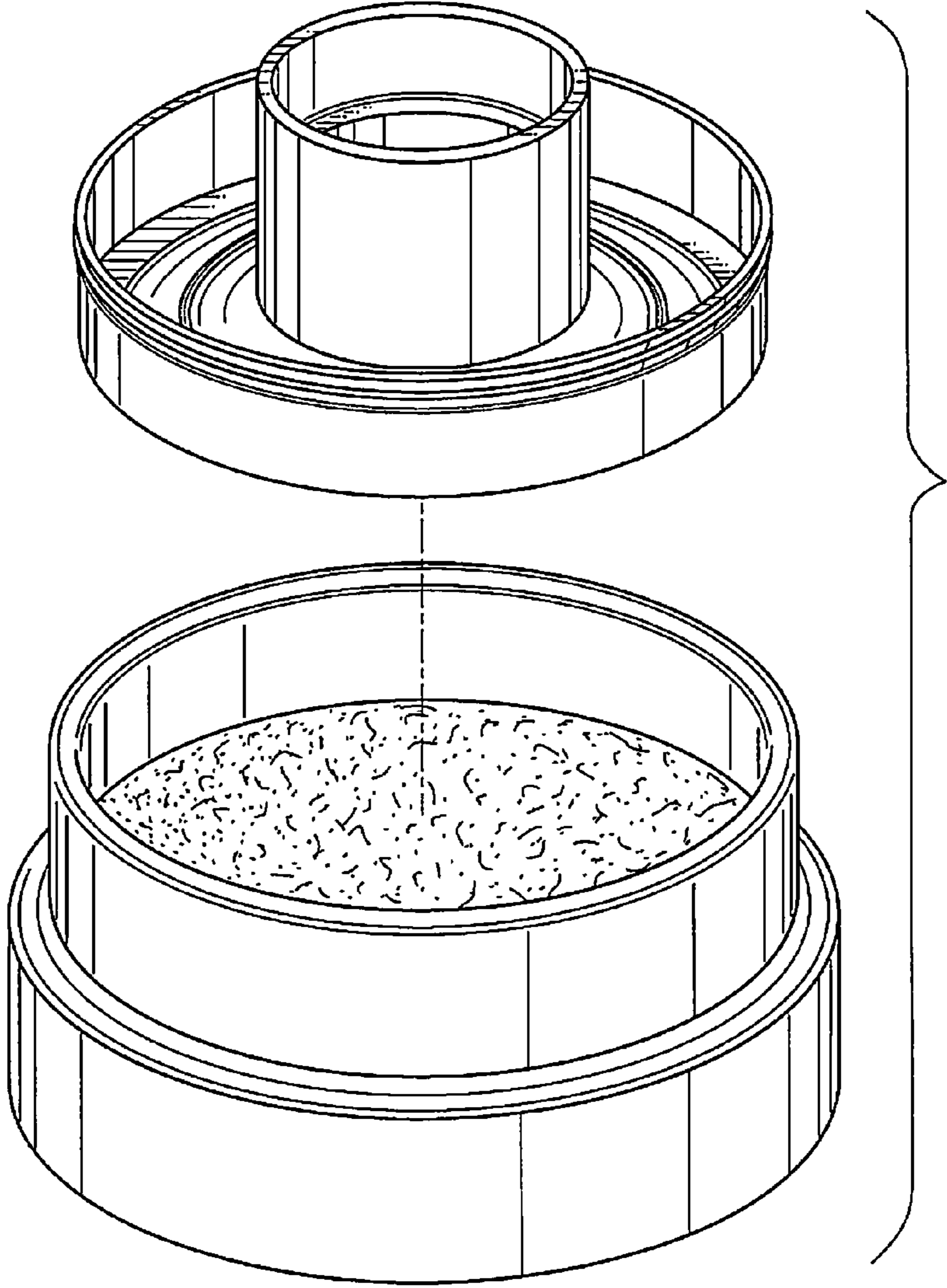
**Fig. 3**



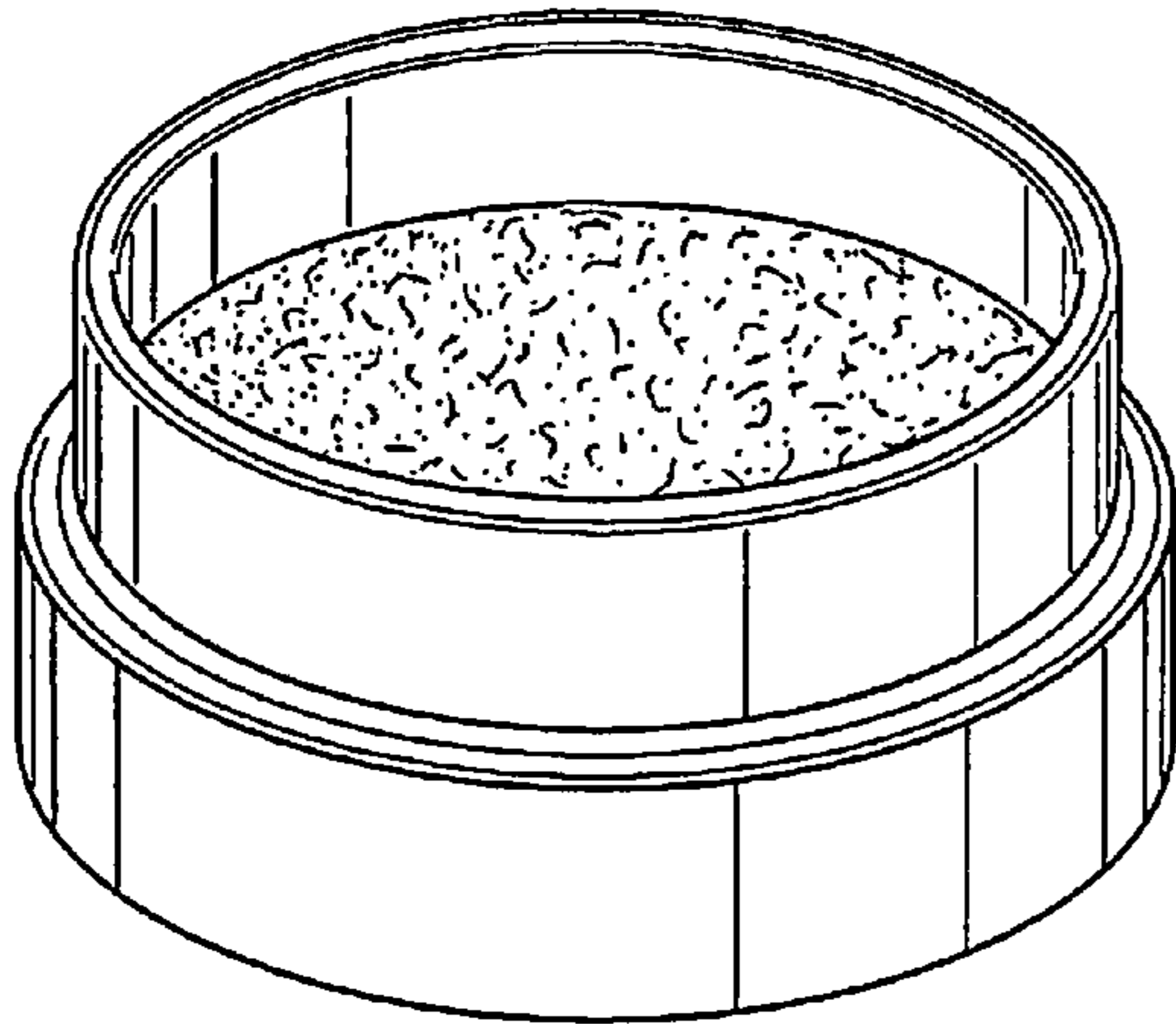
**Fig. 4**



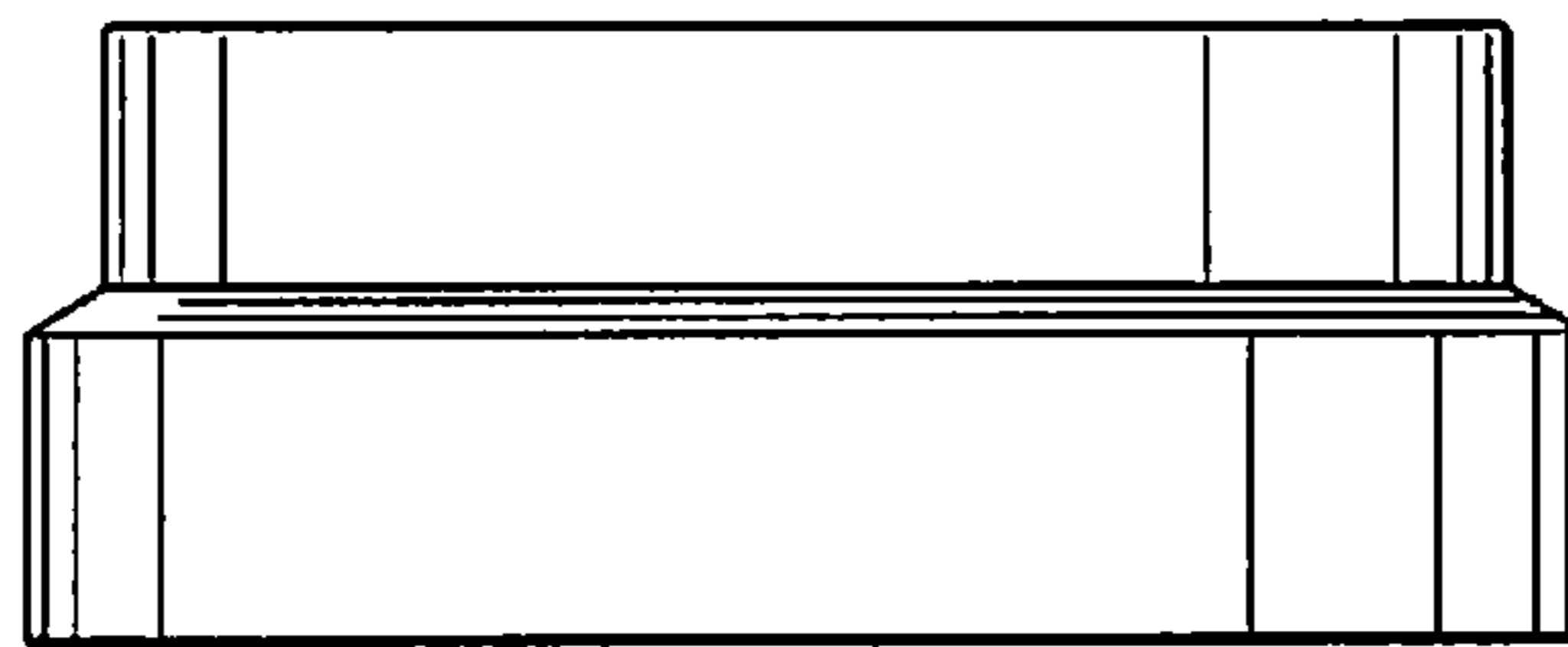
**Fig. 5**



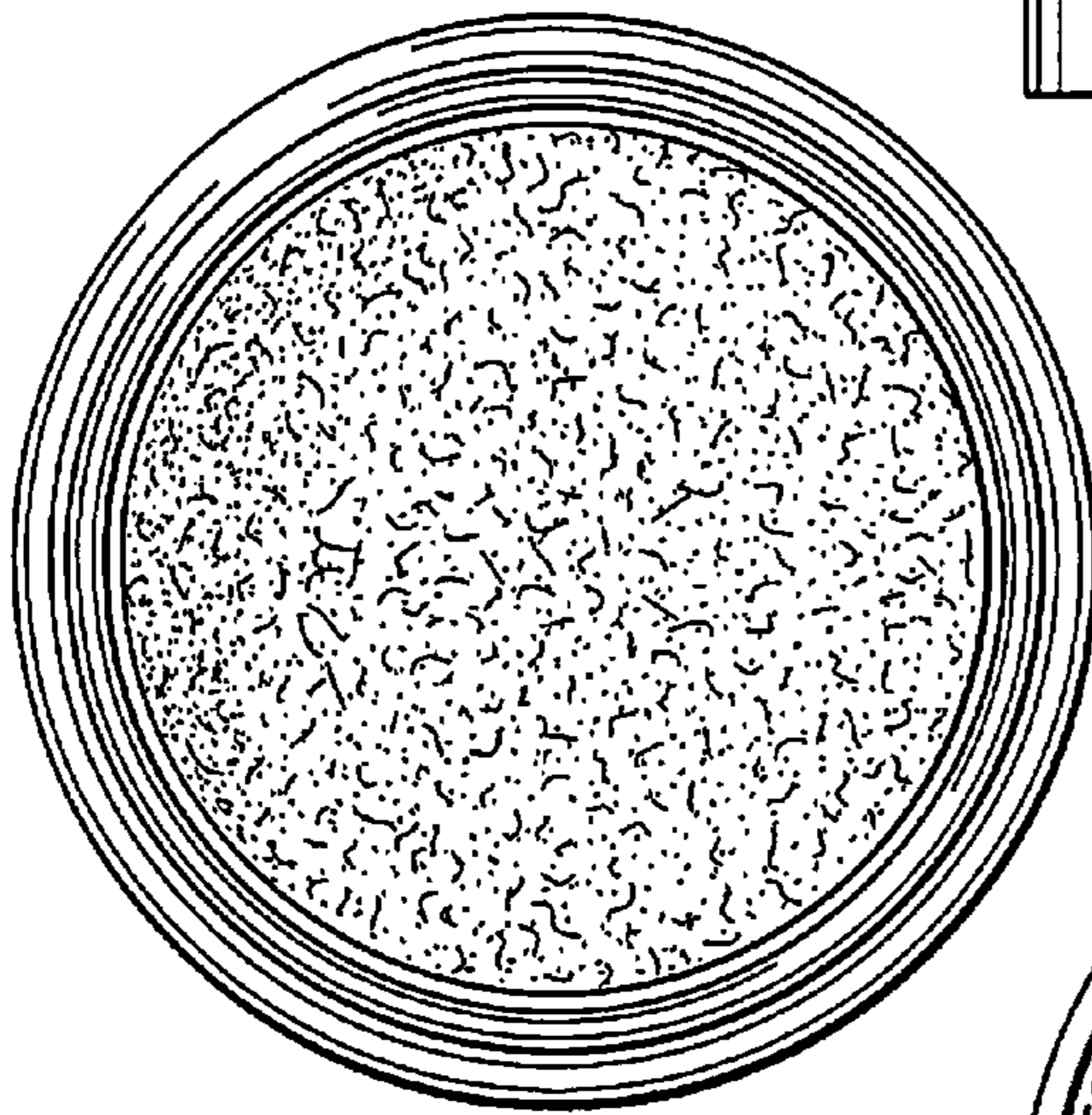
**Fig. 6**



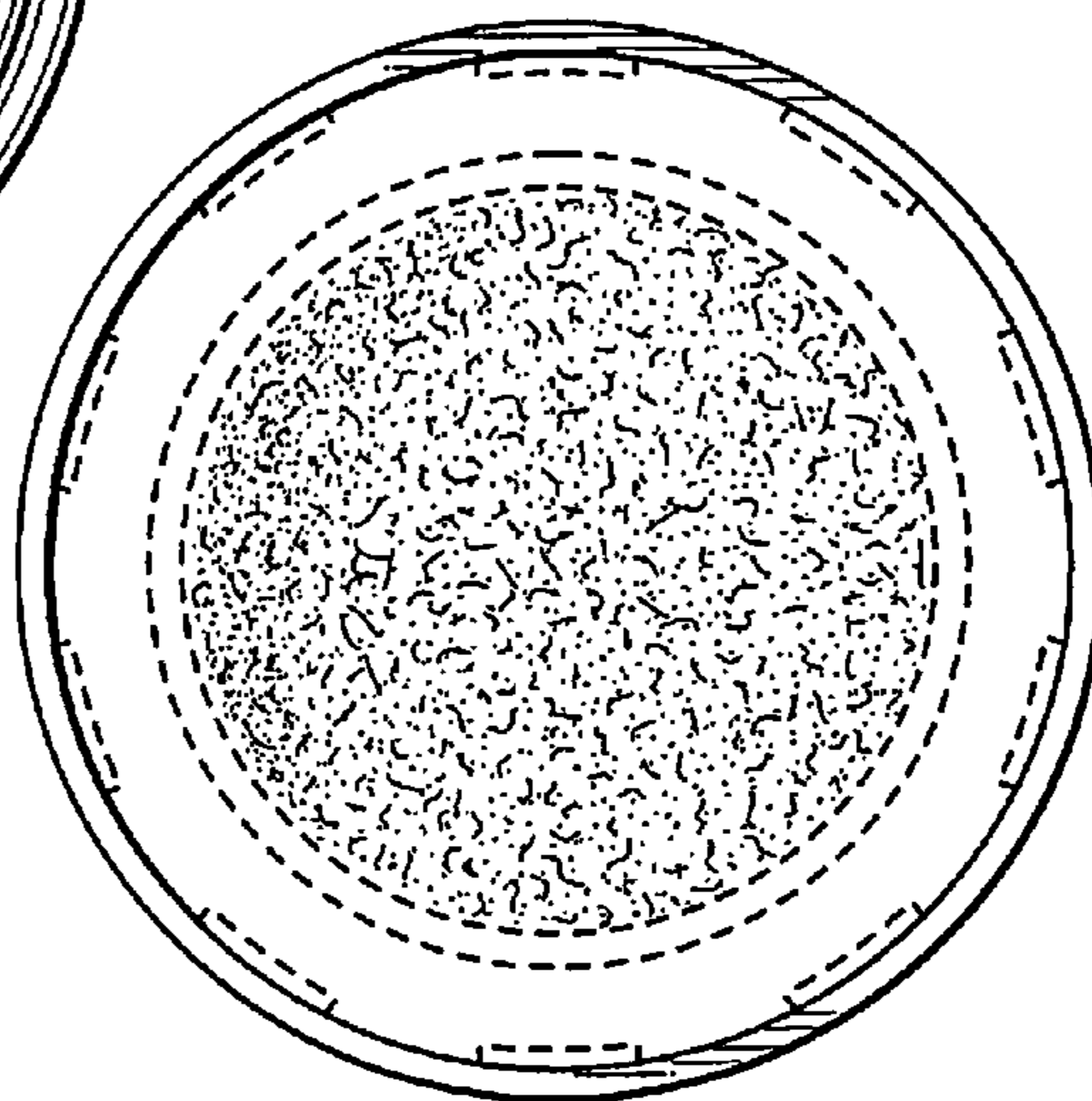
**Fig. 7**



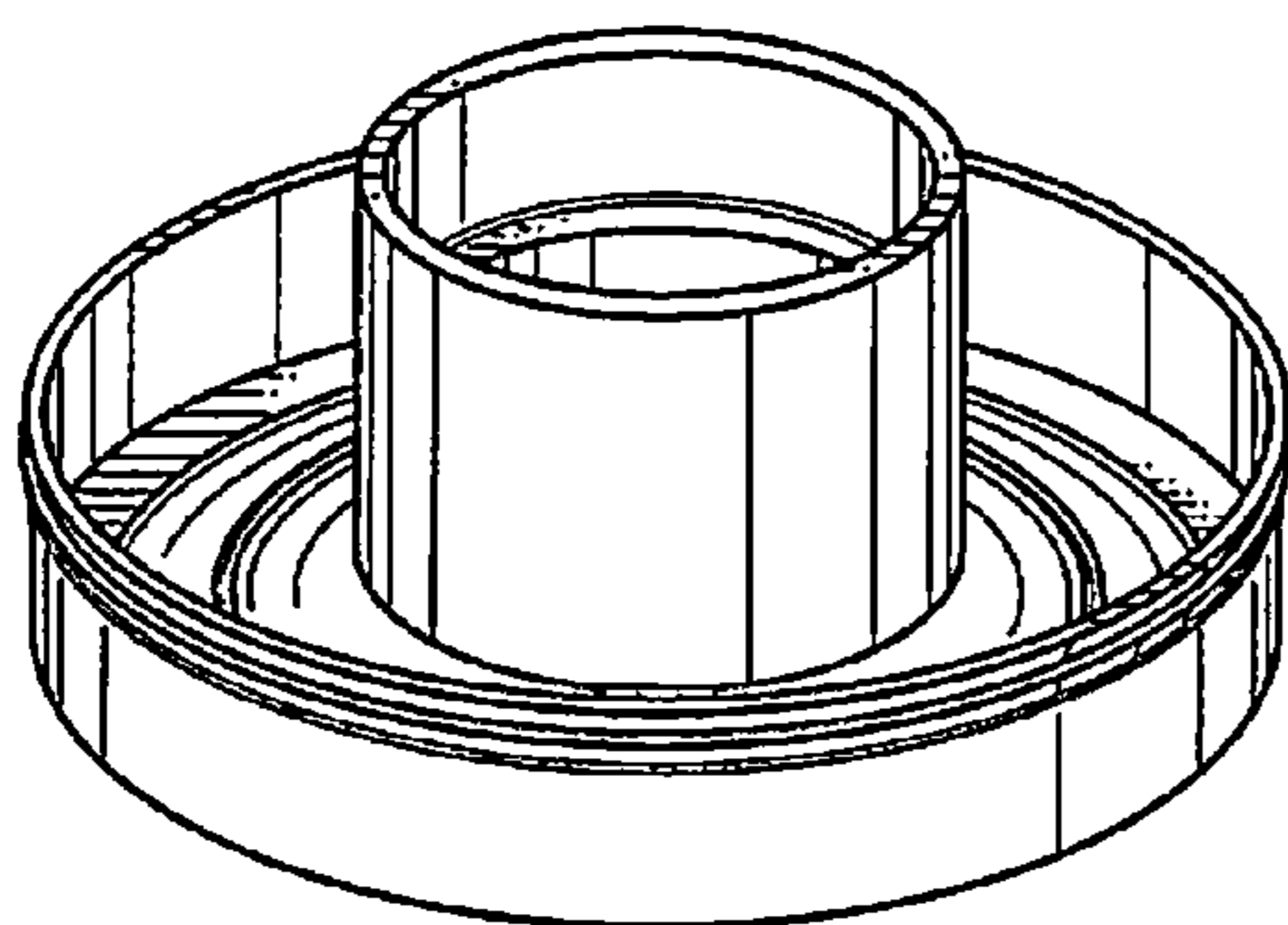
**Fig. 8**



**Fig. 9**



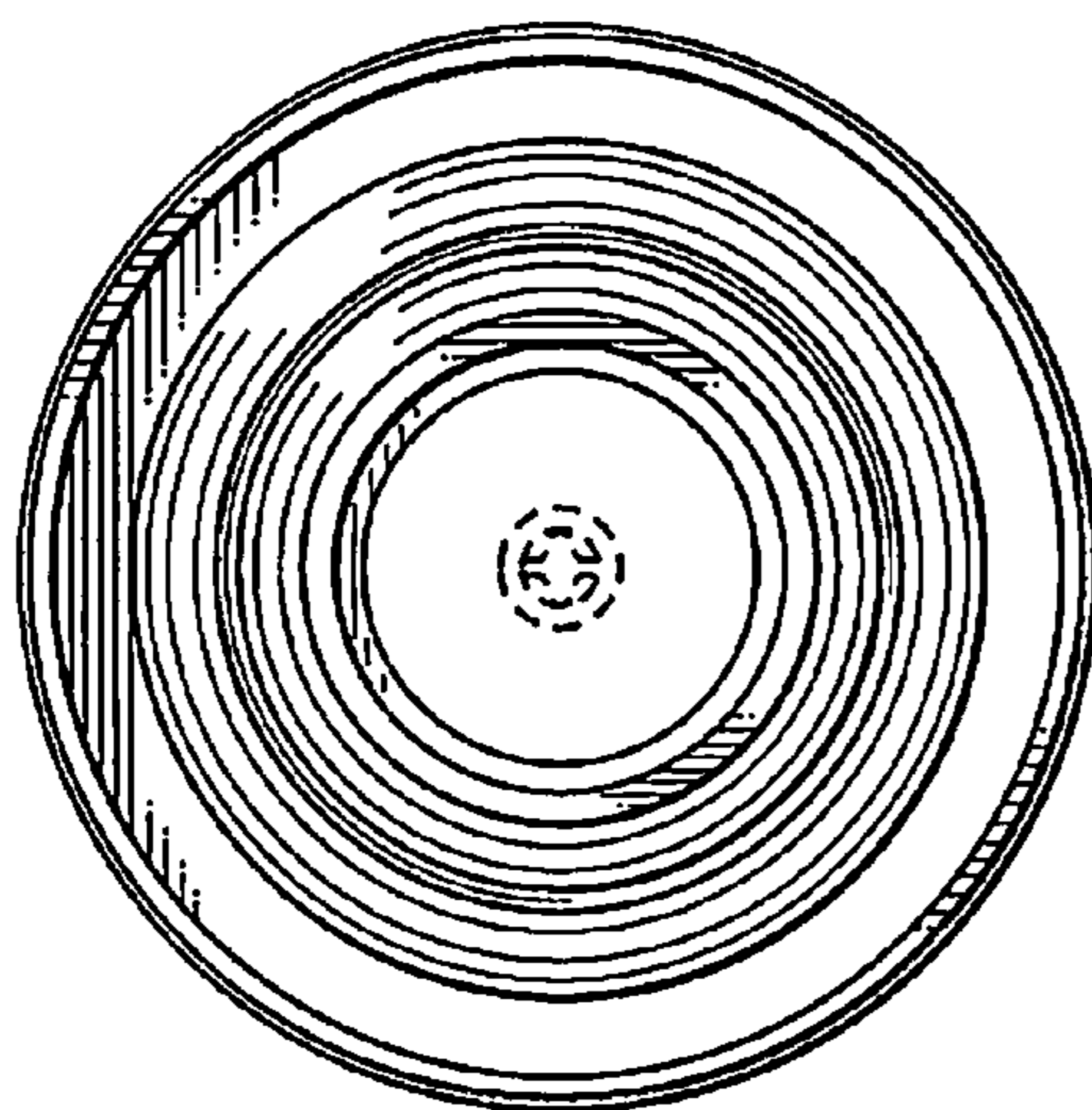
**Fig. 10**



**Fig. 11**



**Fig. 12**



**Fig. 13**

