

US00D537148S

(12) **United States Design Patent** (10) **Patent No.:** **US D537,148 S**
Grether (45) **Date of Patent:** **** Feb. 20, 2007**

(54) **FLOW REGULATOR**

(75) Inventor: **Hermann Grether**, Müllheim (DE)

(73) Assignee: **Neoperl GmbH**, Mullheim (DE)

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

(21) Appl. No.: **29/260,215**

(22) Filed: **May 22, 2006**

Related U.S. Application Data

(62) Division of application No. 29/224,543, filed on Mar. 3, 2005.

(30) **Foreign Application Priority Data**

Sep. 3, 2004 (EP) 000223235

(51) **LOC (8) Cl.** **23-01**

(52) **U.S. Cl.** **D23/249**

(58) **Field of Classification Search** D23/233-249,
D23/213, 255, 257, 241, 242, 260; 138/41,
138/42, 37, 40; 239/428.5, 552, 553.5, 553.3;
261/DIG. 22

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,487,023 A * 11/1949 Lehmann 239/447
2,793,016 A 5/1957 Aghnides
4,313,564 A 2/1982 Shames et al.
4,874,017 A * 10/1989 Hendrickson 138/45
4,971,117 A * 11/1990 Hendrickson 138/41
5,467,929 A 11/1995 Bosio

D428,114 S 7/2000 Le Bars
D428,483 S * 7/2000 Balint D23/387
6,126,093 A 10/2000 Grether et al.
6,152,182 A 11/2000 Grether et al.
6,571,831 B1 * 6/2003 Hart 138/46
6,892,964 B2 5/2005 Grether et al.
6,902,123 B2 6/2005 Grether et al.
D516,182 S 2/2006 Buttgen
2006/0011748 A1 1/2006 Ferrari

* cited by examiner

Primary Examiner—Ian Simmons

Assistant Examiner—Maurice Stevens

(74) *Attorney, Agent, or Firm*—Volpe & Koenig, P.C.

(57) **CLAIM**

The ornamental design for a flow regulator, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a flow regulator showing my new design;

FIG. 2 is an elevational view thereof;

FIG. 3 is a top plan view thereof;

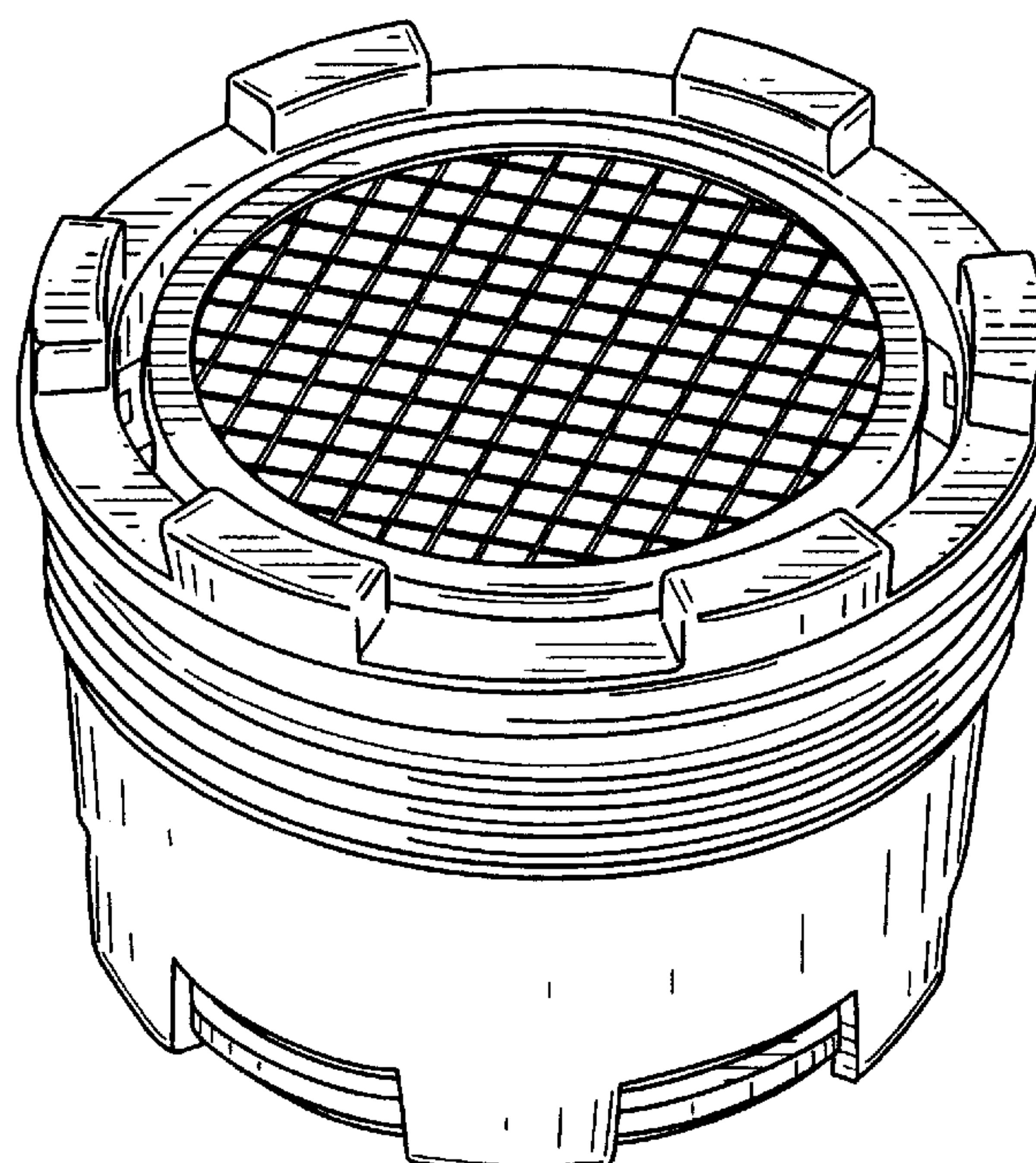
FIG. 4 is a bottom plan view thereof which is also representative of the bottom plan view of a second embodiment shown in FIGS. 5-7, wherein the dashed lines show environmental matter for illustrative purposes only and do not form part of the claimed design;

FIG. 5 is a top perspective view of a flow regulator showing a second embodiment of my new design;

FIG. 6 is an elevational view of a flow regulator of FIG. 5; and,

FIG. 7 is a top plan view of a flow regulator of FIG. 5.

1 Claim, 5 Drawing Sheets



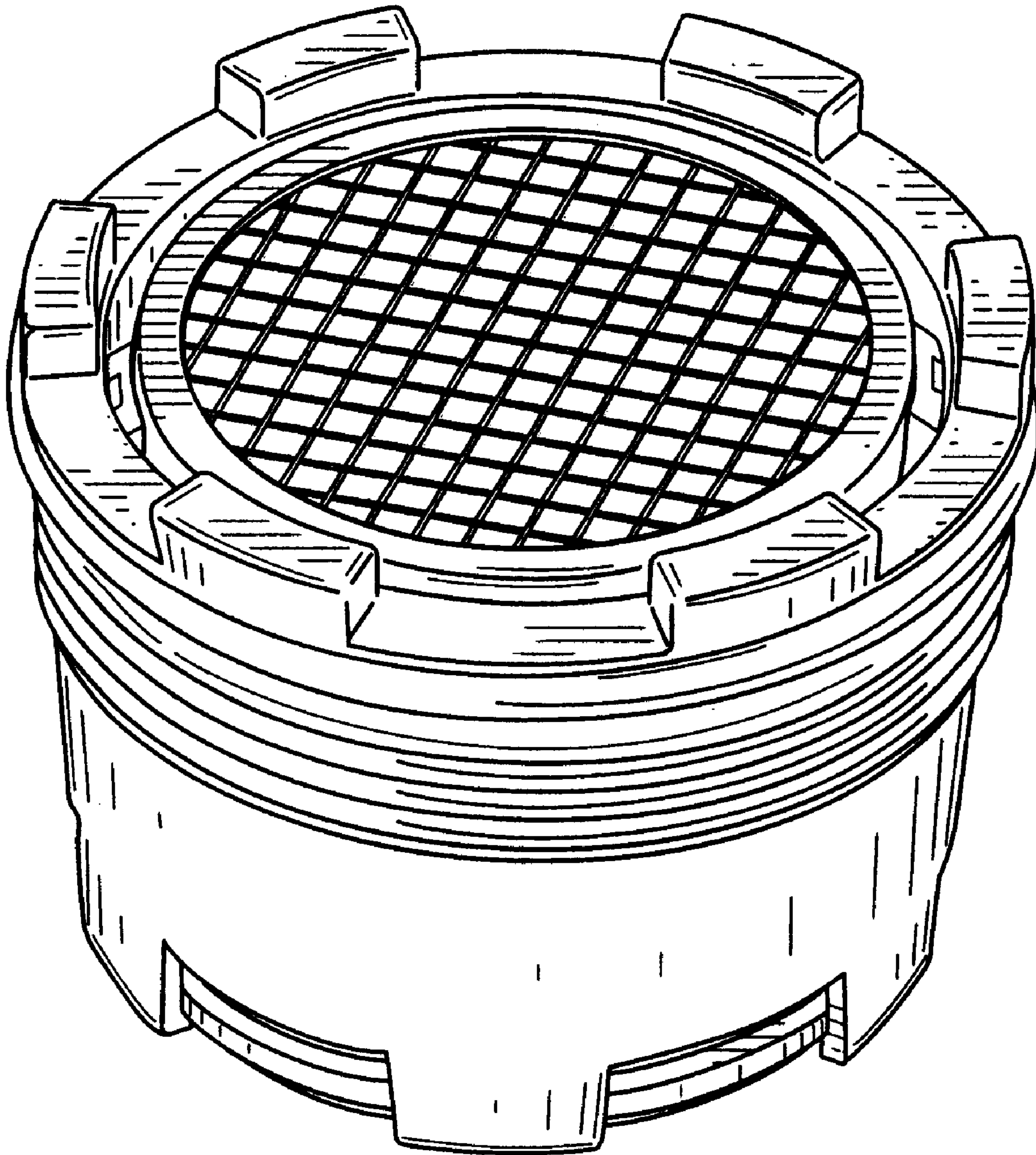


FIG. 1

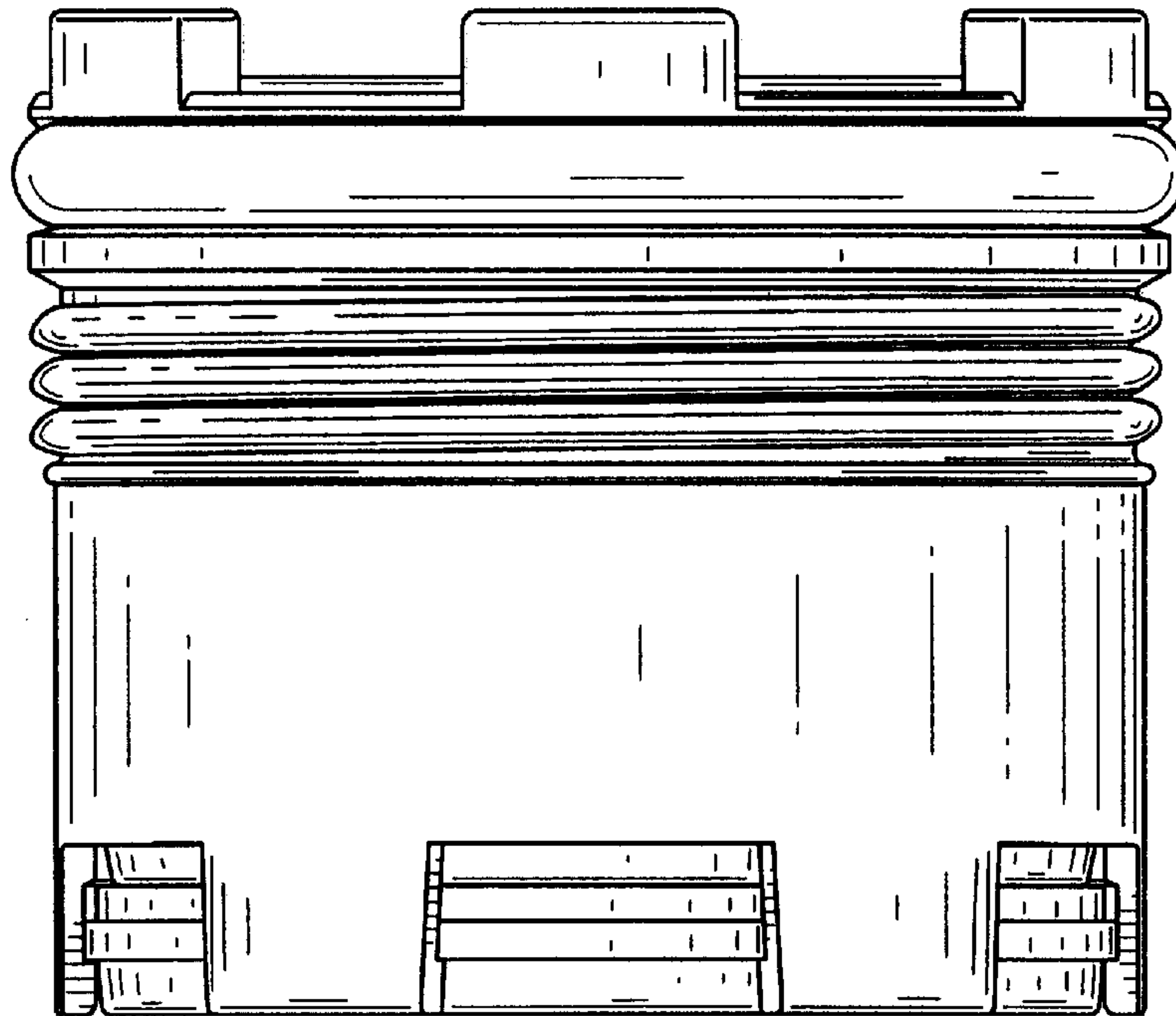


FIG. 2

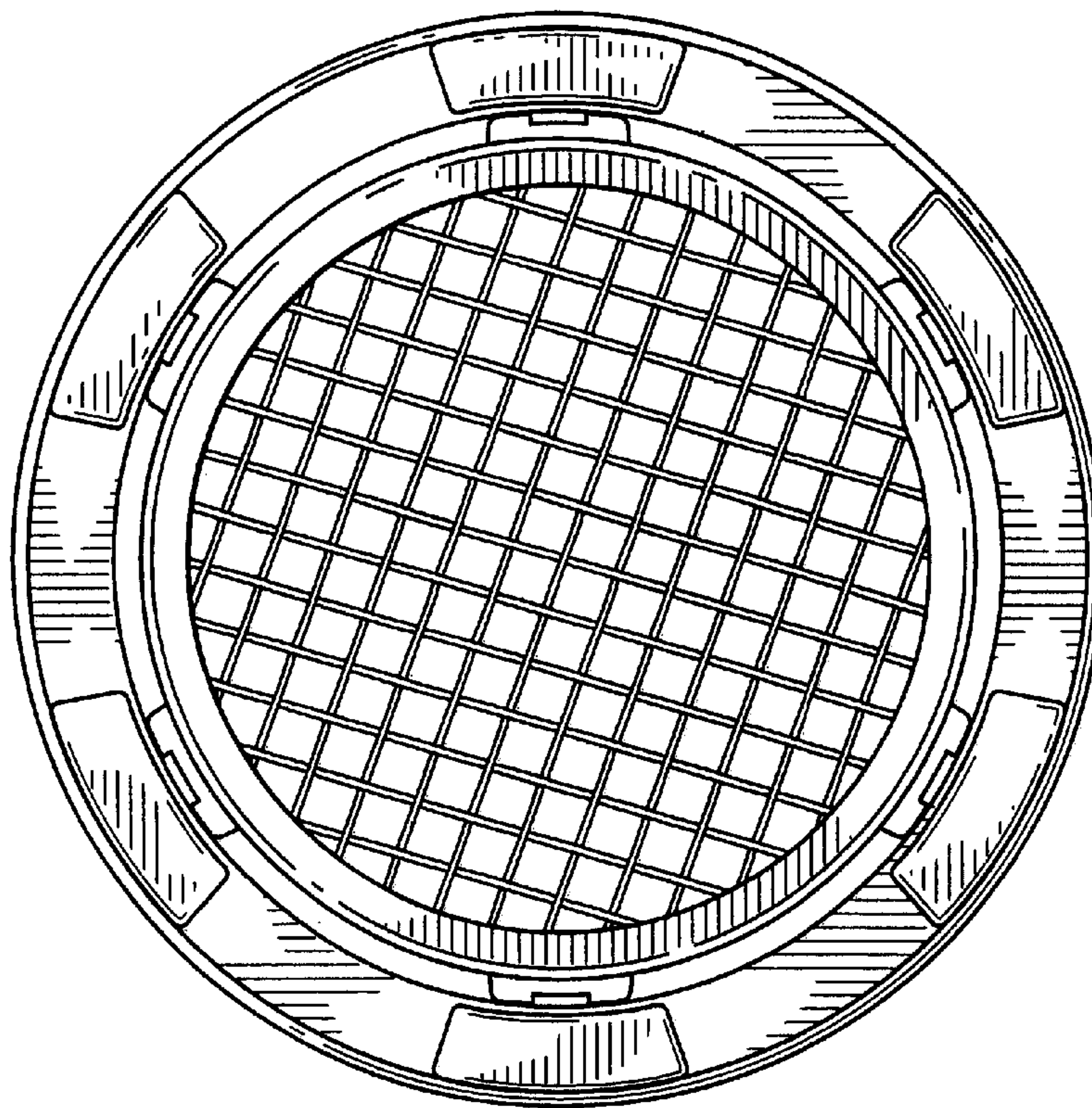


FIG. 3

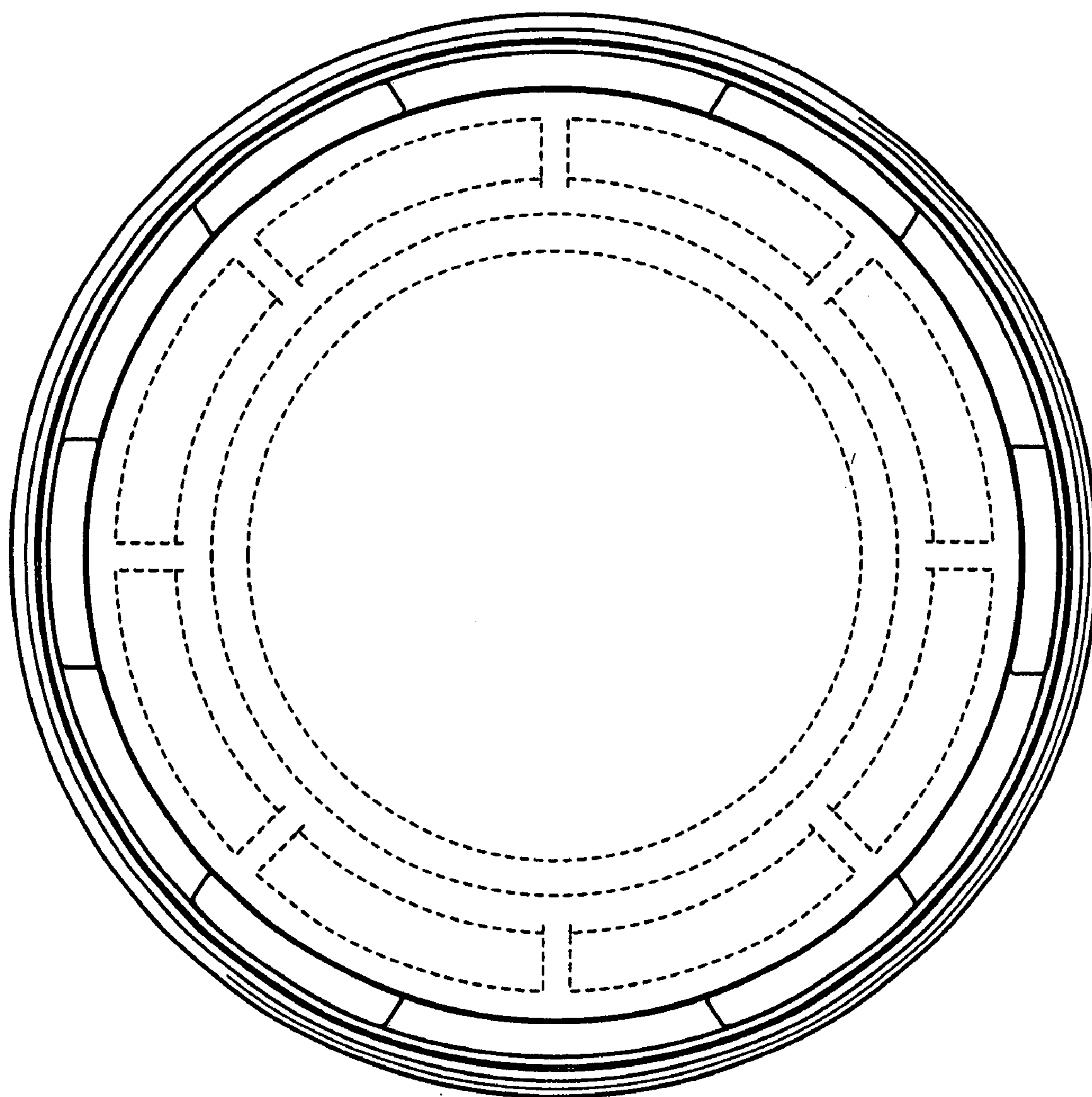


FIG. 4

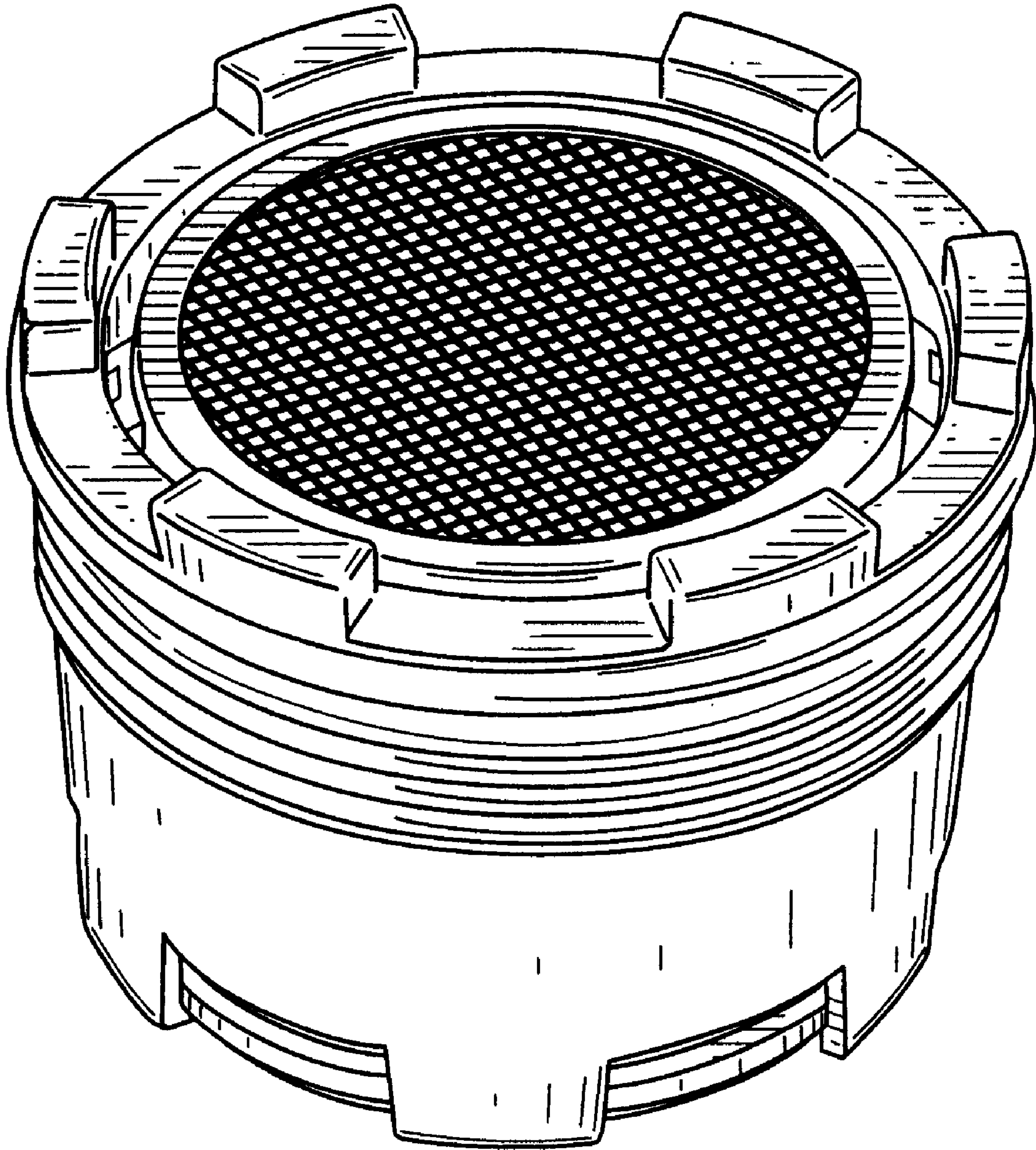


FIG. 5

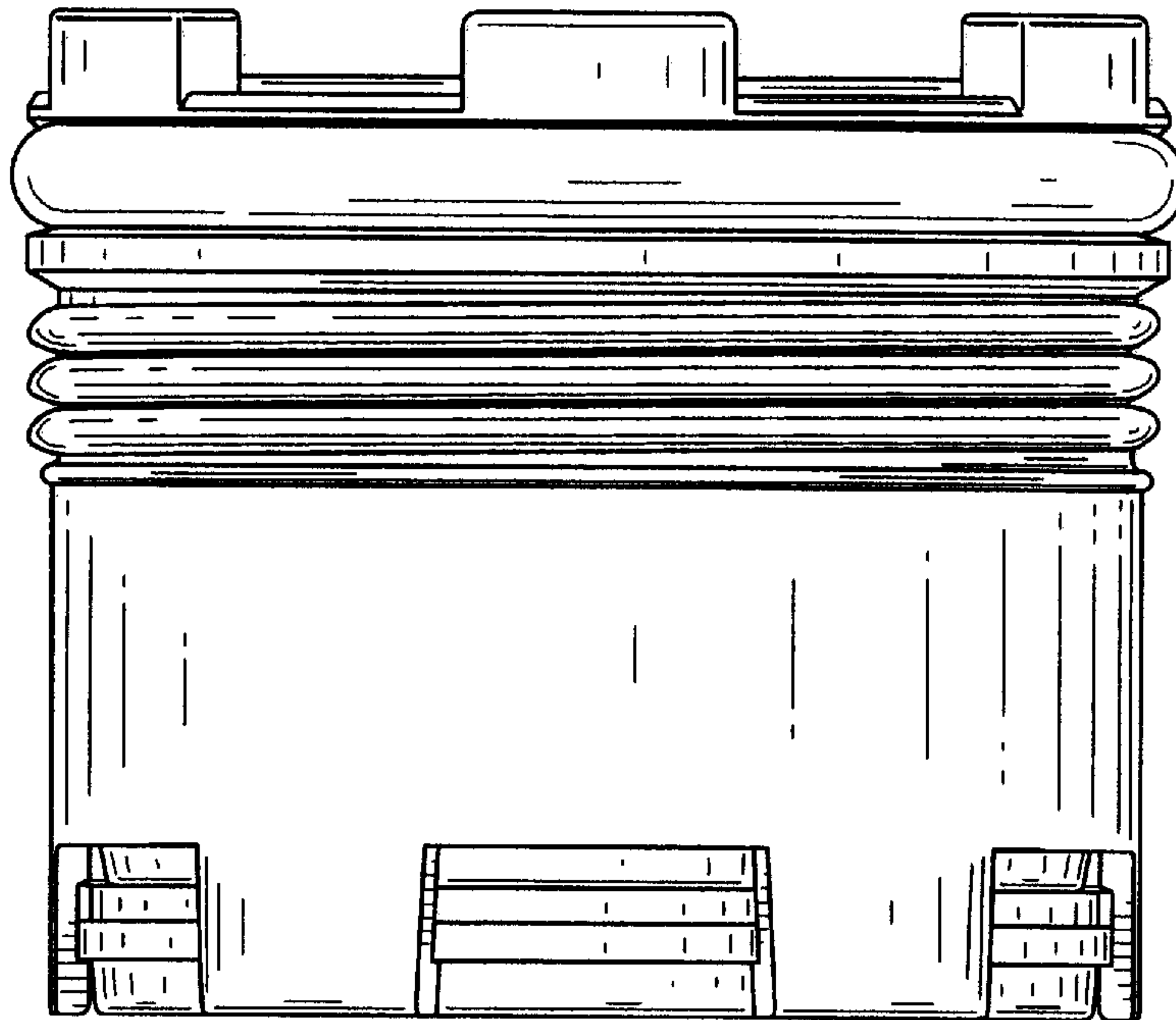


FIG. 6

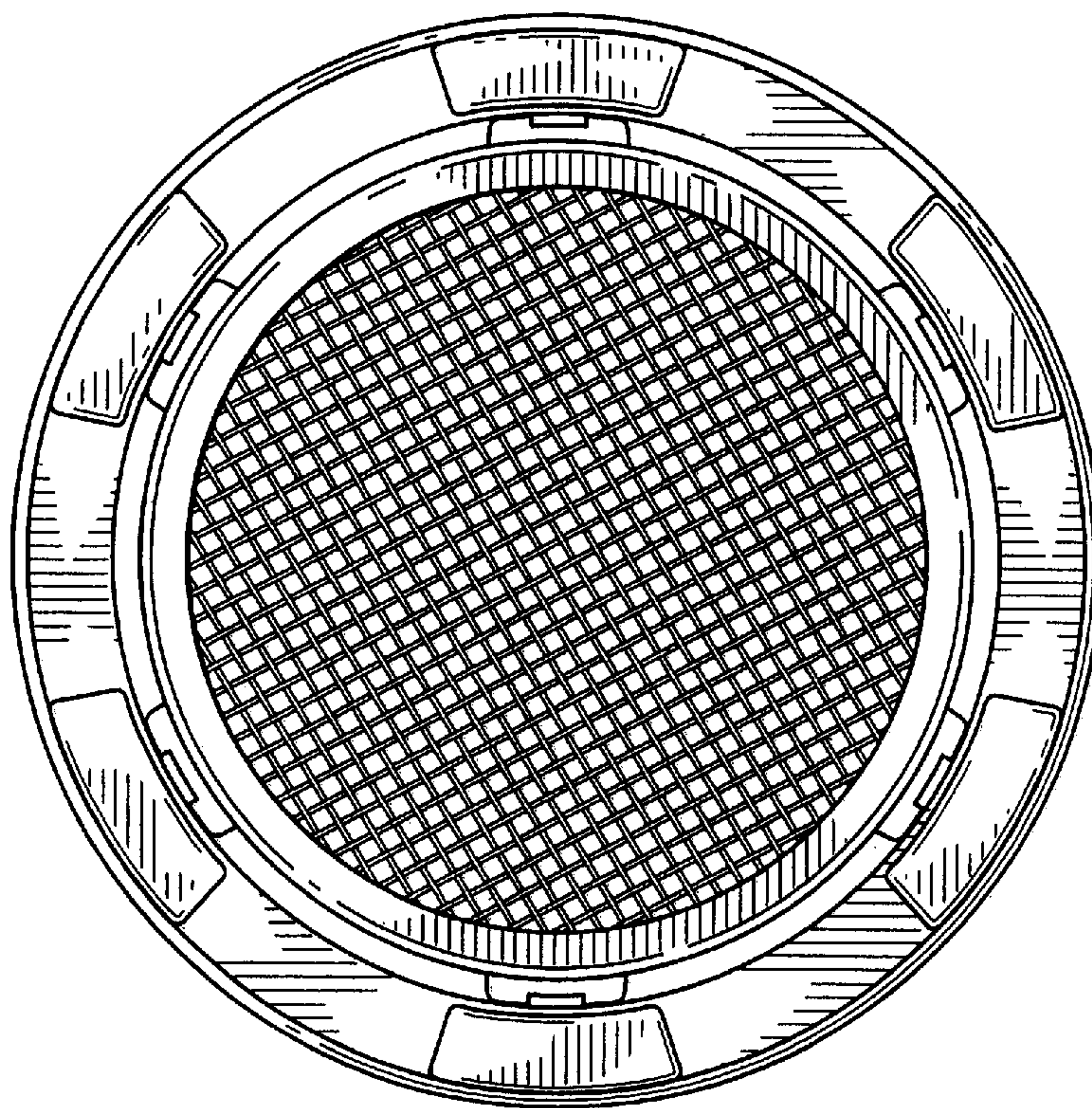


FIG. 7