



US00D537916S

(12) **United States Design Patent**
Buttgen

(10) **Patent No.:** **US D537,916 S**

(45) **Date of Patent:** **** Mar. 6, 2007**

(54) **FLOW STRAIGHTENER FOR A DISCHARGE
END OF A SANITARY FITTING**

(75) Inventor: **Heinz Buttgen**, Bad Krozingen (DE)

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

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

(21) Appl. No.: **29/240,502**

(22) Filed: **Oct. 13, 2005**

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/211,947, filed on Aug. 24, 2004, now Pat. No. Des. 516,182, and a continuation-in-part of application No. 29/231,396, filed on Jun. 3, 2005.

(30) **Foreign Application Priority Data**

Feb. 25, 2004 (EP) 140 298
Jun. 18, 2004 (EP) 193 016
Feb. 23, 2005 (EP) 299 862

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

(52) **U.S. Cl.** **D23/213**

(58) **Field of Classification Search** D23/213,
D23/249; 239/428.5; 261/DIG. 22

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D235,772 S * 7/1975 Saporito D23/213

4,789,103 A * 12/1988 Ruhnke 239/428.5
5,467,929 A * 11/1995 Bosio 239/428.5
5,769,326 A * 6/1998 Muchenberger et al. . 239/428.5
6,029,912 A * 2/2000 Woolley 239/428.5
6,513,731 B2 * 2/2003 Griffin et al. 239/394
6,892,964 B2 * 5/2005 Grether et al. 239/428.5

* cited by examiner

Primary Examiner—Robin Webster

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

(57) **CLAIM**

The ornamental design for a flow straightener for a discharge end of a sanitary fitting, as shown and described.

DESCRIPTION

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

FIG. 2 is a bottom perspective view thereof;

FIG. 3 is a top plan view thereof;

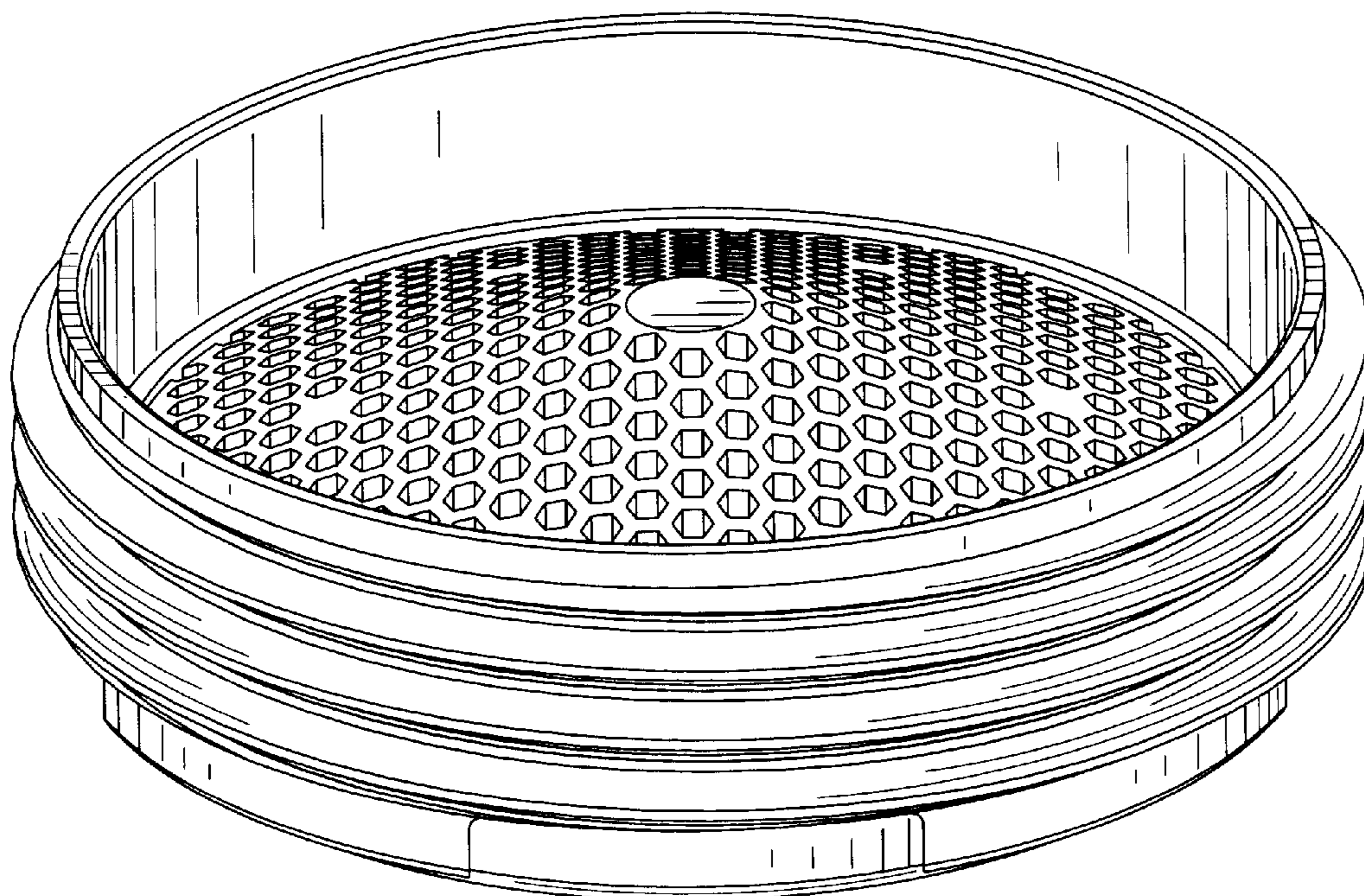
FIG. 4 is a bottom plan view thereof;

FIG. 5 is an elevation view thereof;

FIG. 6 is a cross-section view of the flow straightener of FIG. 1 taken along line 6—6 of FIG. 4; this view is provided to show a complete contour of all exterior portions of the flow straightener; and,

FIG. 7 is a cross-section view of the flow straightener of FIG. 1 taken along line 7—7 of FIG. 4; this view is provided to show a complete contour of all exterior portions of the flow straightener.

1 Claim, 6 Drawing Sheets



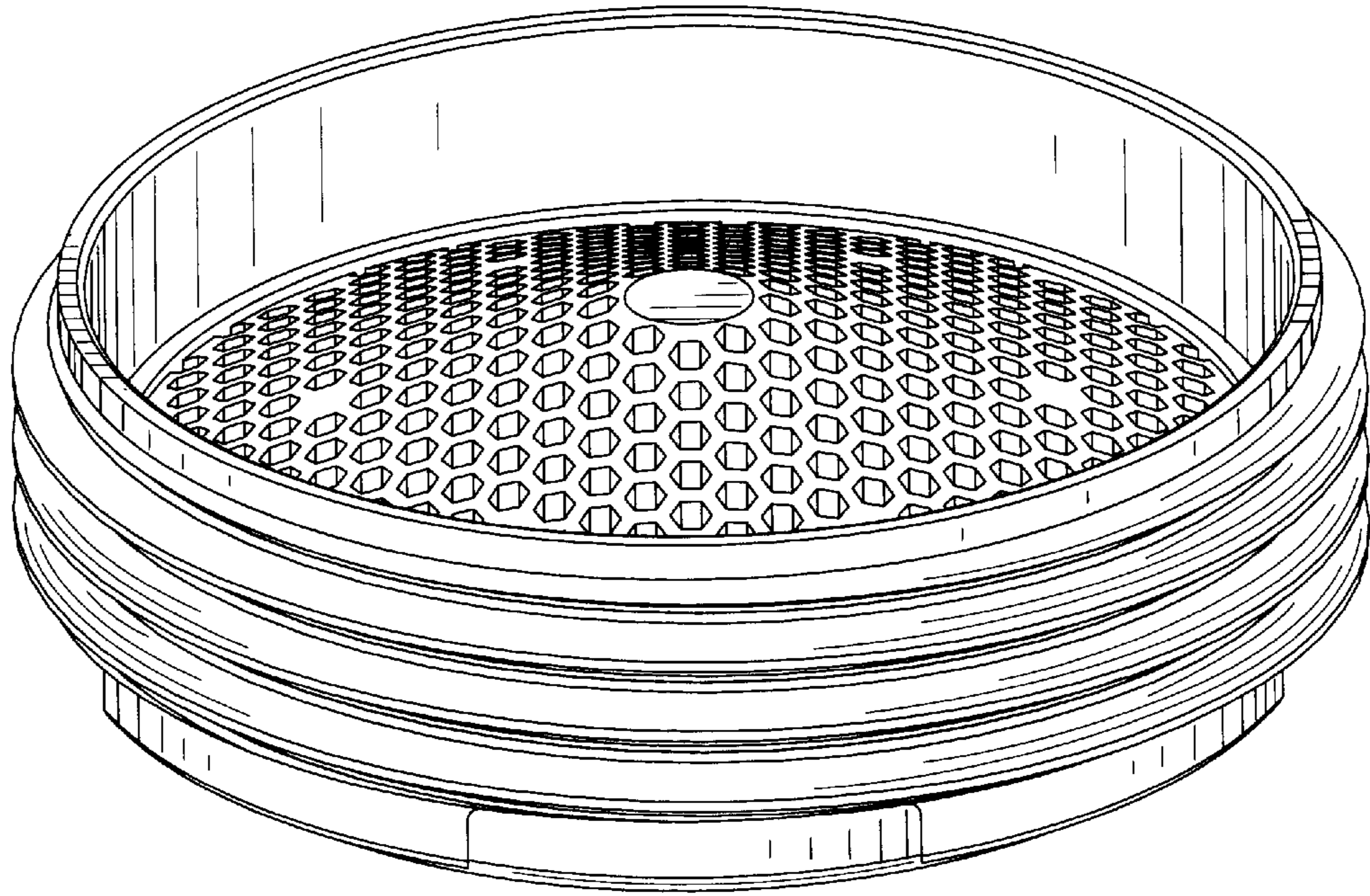


FIG. 1

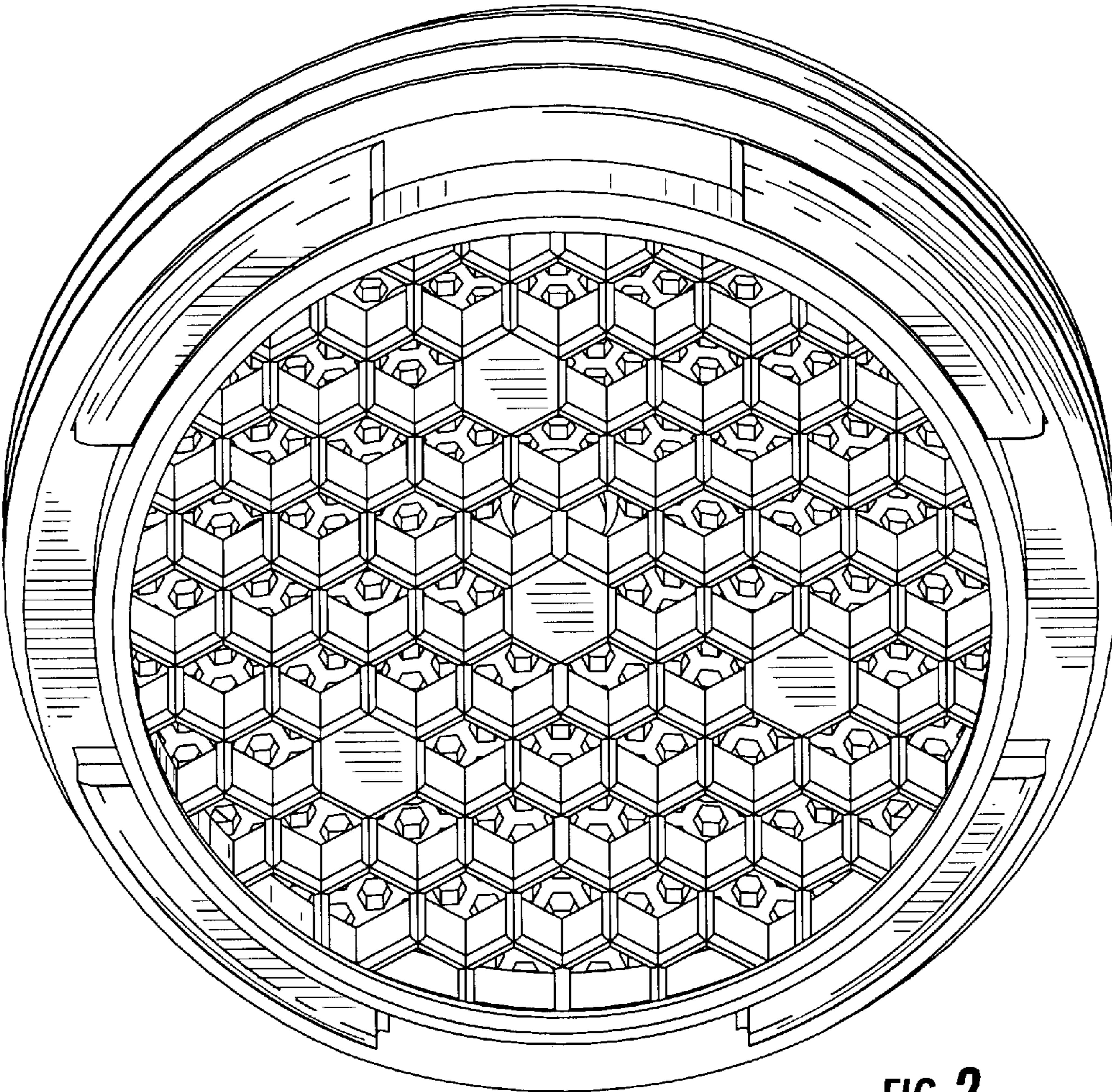


FIG. 2

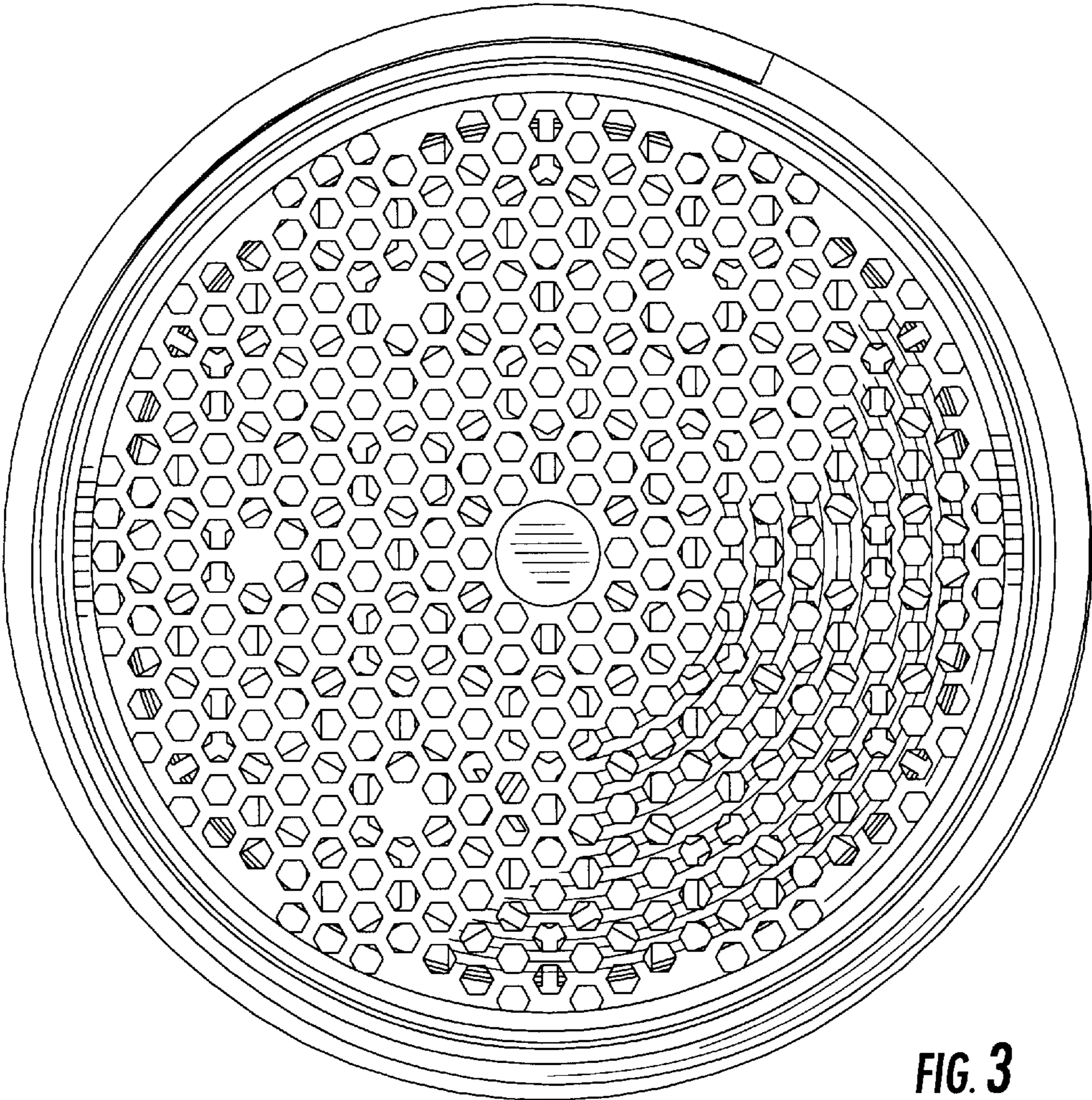
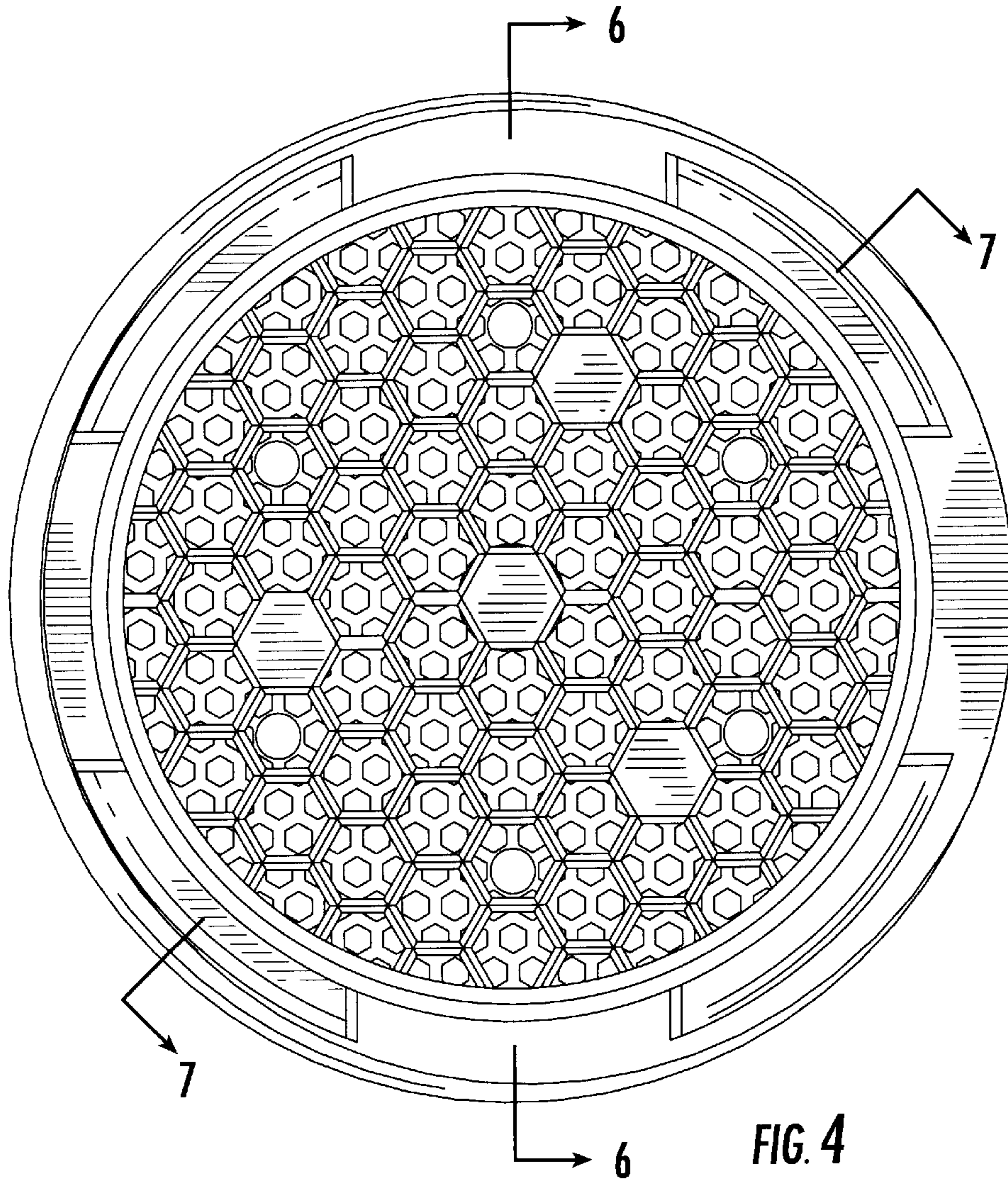


FIG. 3



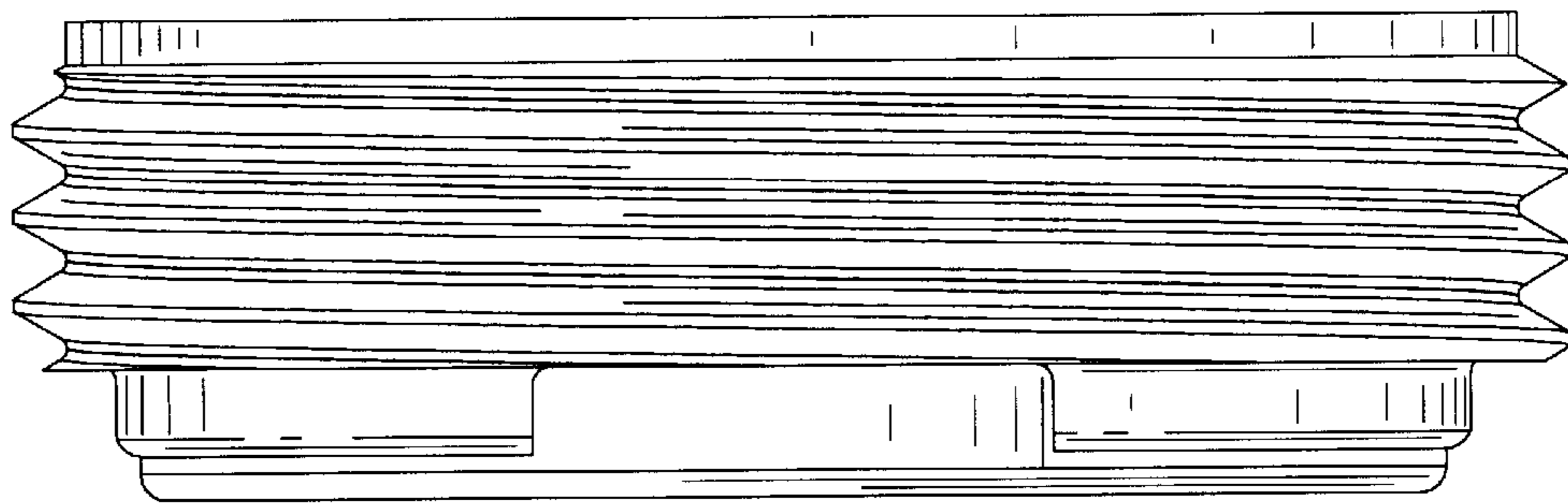


FIG. 5

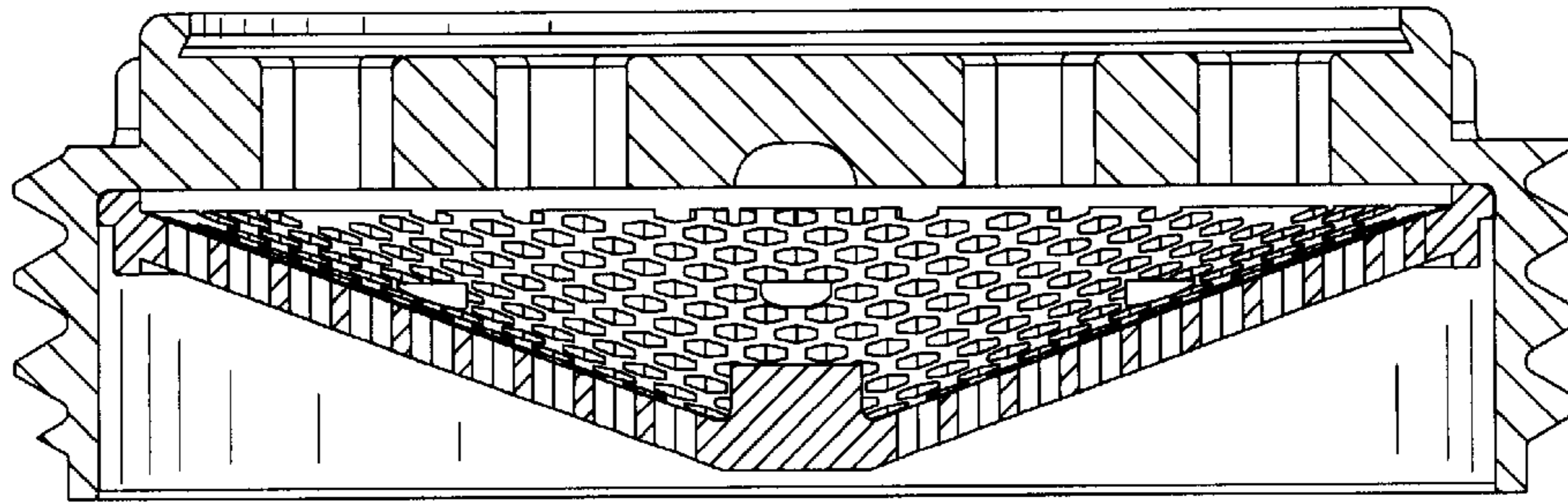


FIG. 6

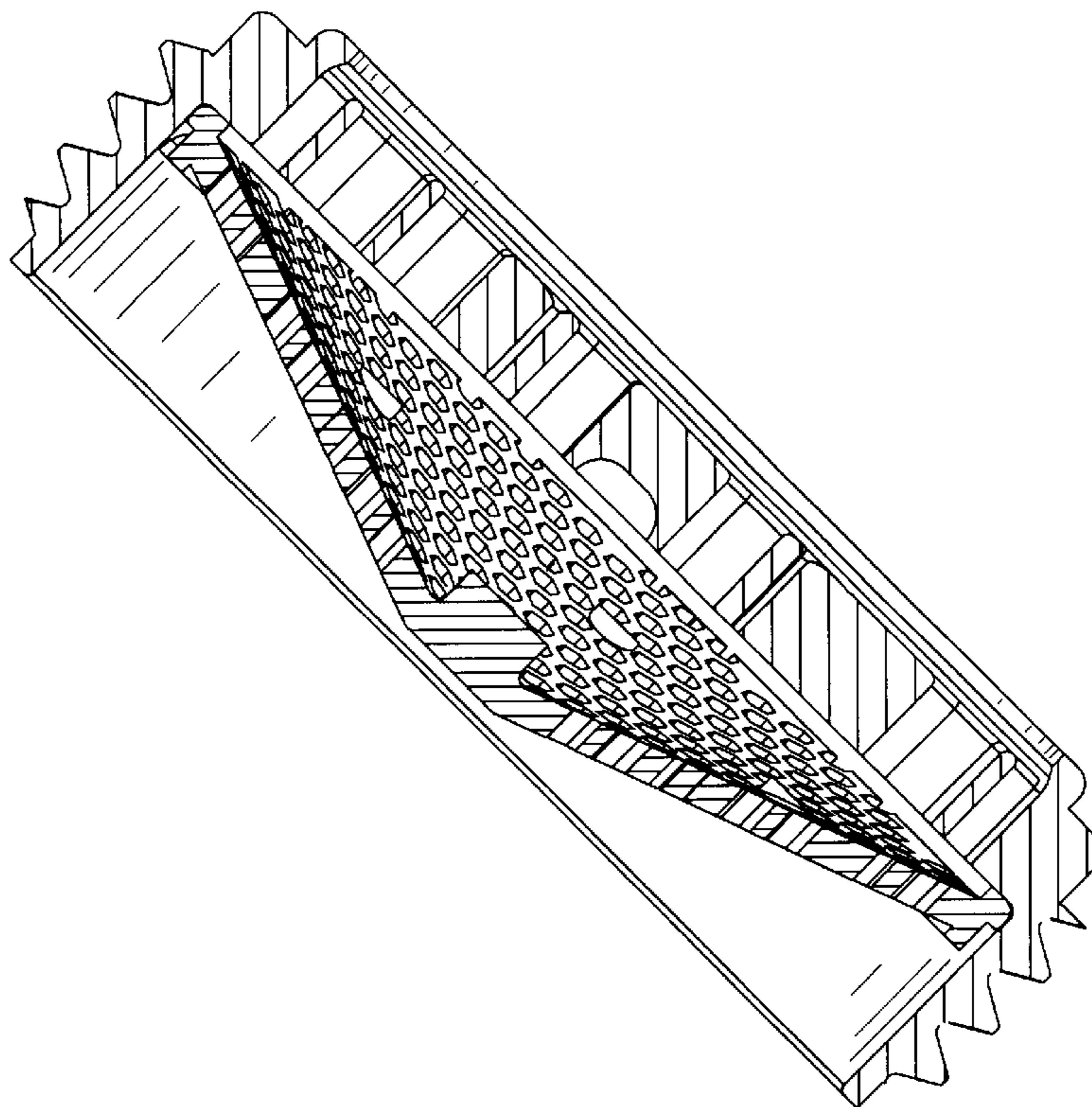


FIG. 7