



US00D405812S

United States Patent [19]
Miles

[11] **Patent Number: Des. 405,812**

[45] **Date of Patent: **Feb. 16, 1999**

[54] **MULTI-LOBAL CHUCK**

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[73] Assignee: **Power Tool Holders Incorporated**,
Wilmington, Del.

[*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

[**] Term: **14 Years**

[21] Appl. No.: **77,427**

[22] Filed: **Aug. 6, 1997**

[51] **LOC (6) Cl.** **15-09**

[52] **U.S. Cl.** **D15/140; D8/70**

[58] **Field of Search** **D15/140; D8/70;**
279/60-63, 69, 157, 902

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 359,217	6/1995	Owens et al.	D8/70
D. 361,076	8/1995	Shadeck et al.	D15/140
D. 366,052	1/1996	Barton et al.	D15/140
D. 386,193	11/1997	Steadings	D15/140

OTHER PUBLICATIONS

Twelve (12) photographs of drill chuck.

Primary Examiner—Antoine Duval Davis
Attorney, Agent, or Firm—Dority & Manning

[57] **CLAIM**

The ornamental design of a multi-lobal chuck, as shown and described.

DESCRIPTION

FIG. 1 is a rear view of a multi-lobal chuck in accordance with the present invention;

FIG. 2 is a side view of a multi-lobal chuck in accordance with the present invention;

FIG. 3 is a front view of a multi-lobal chuck in accordance with the present invention;

FIG. 4 is a side view, rotated 120 degrees, of the multi-lobal chuck in accordance with FIG. 2;

FIG. 5 is a side view, rotated 120 degrees, of the view of FIG. 4;

FIG. 6 is a front perspective view of a multi-lobal chuck in accordance with FIG. 1;

FIG. 7 is a rear perspective view of a multi-lobal chuck in accordance with FIG. 1;

FIG. 8 is a rear view of a multi-lobal chuck in accordance with a second embodiment of the present invention;

FIG. 9 is a side view of a multi-lobal chuck in accordance with the embodiment of FIG. 8;

FIG. 10 is a front view of a multi-lobal chuck in accordance with the embodiment of FIG. 8;

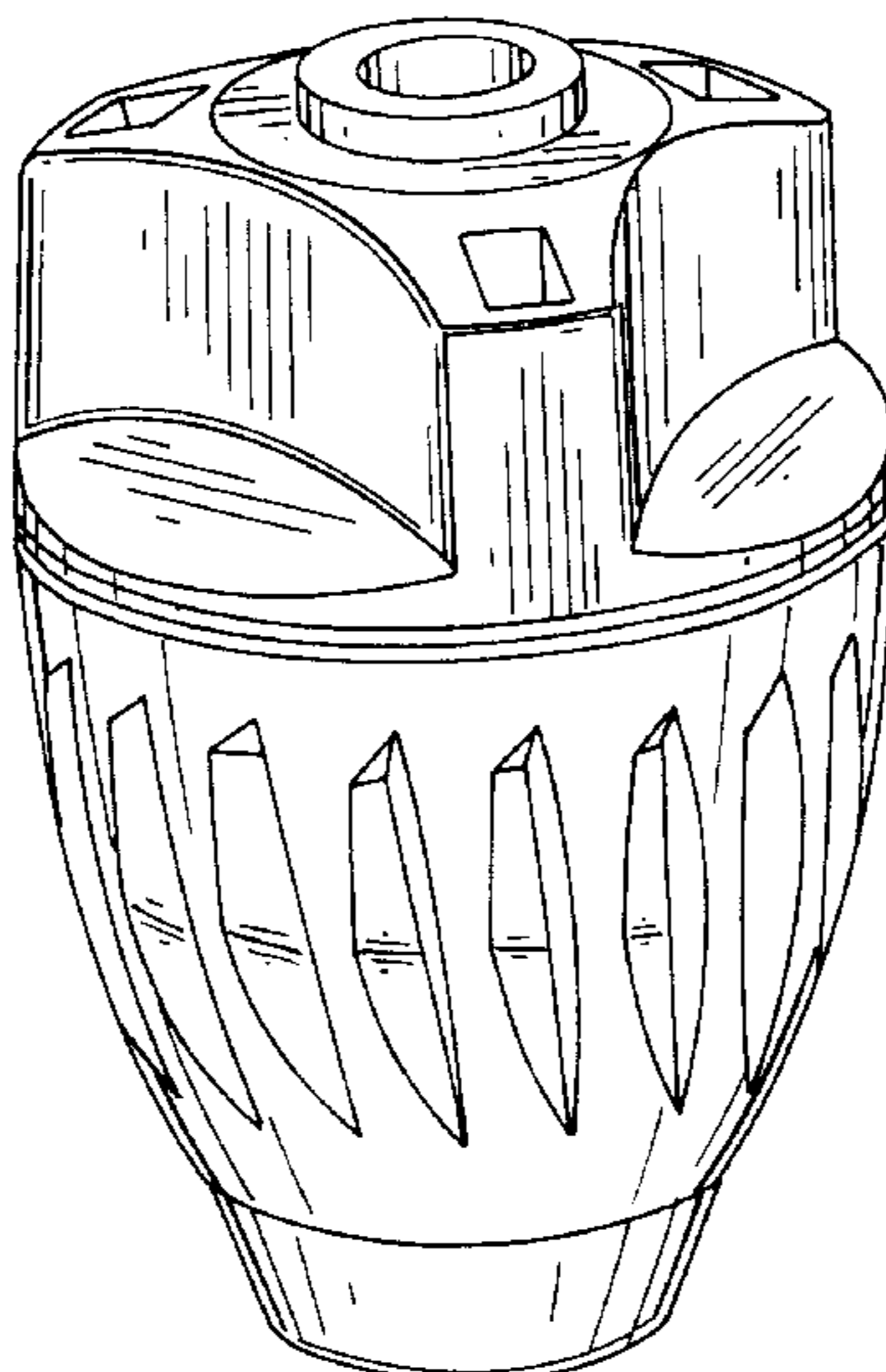
FIG. 11 is a side view, rotated 120 degrees from the view of FIG. 9, of a multi-lobal chuck in accordance with the embodiment of FIG. 8;

FIG. 12 is a side view, rotated 120 degrees from the view of FIG. 11 of a multi-lobal chuck in accordance with the present embodiment;

FIG. 13 is a front perspective view of a multi-lobal chuck in accordance with the embodiment of FIG. 8; and,

FIG. 14 is a rear perspective view of a multi-lobal chuck in accordance with the embodiment of FIG. 8.

1 Claim, 4 Drawing Sheets



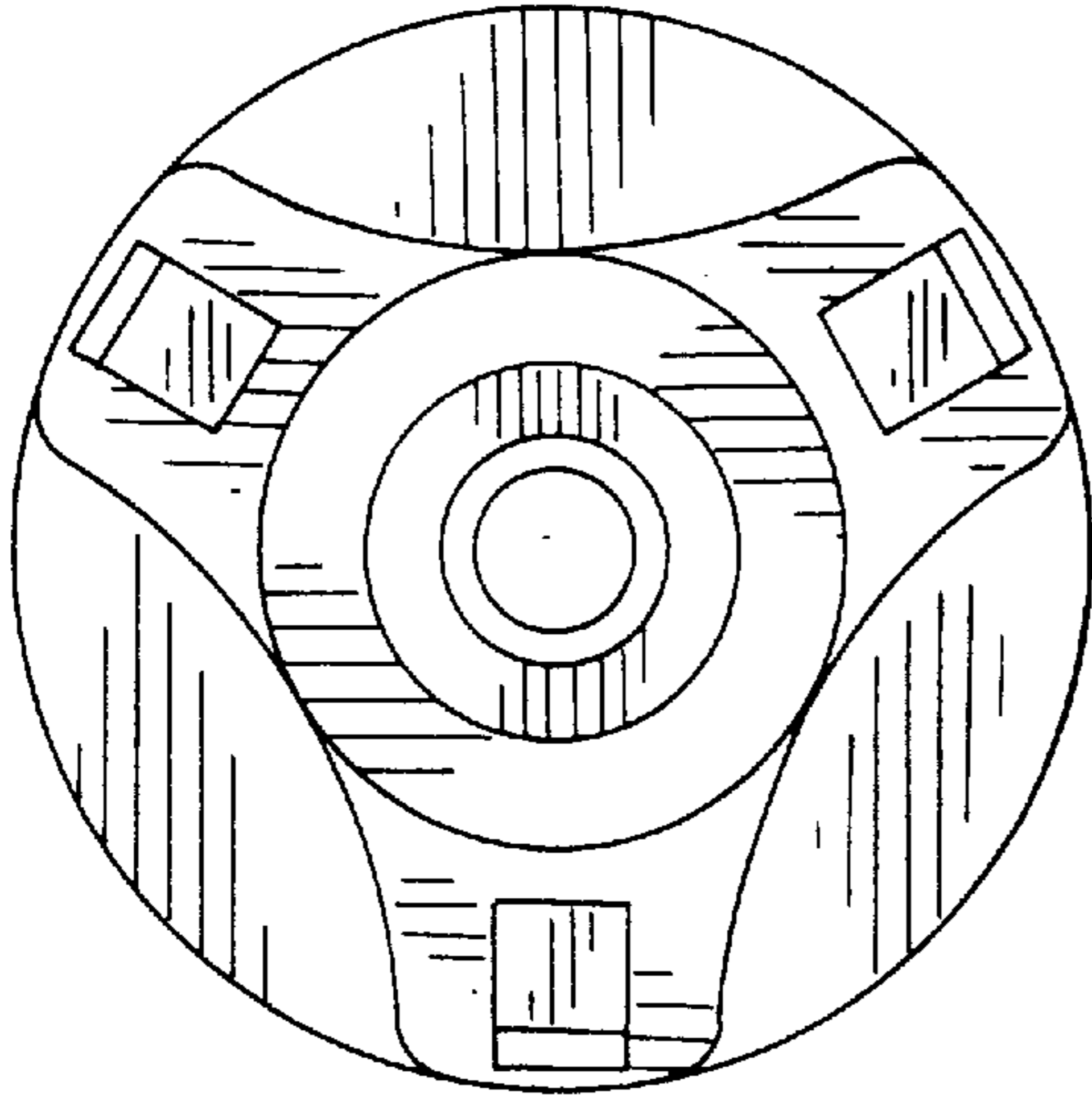


FIG. 1

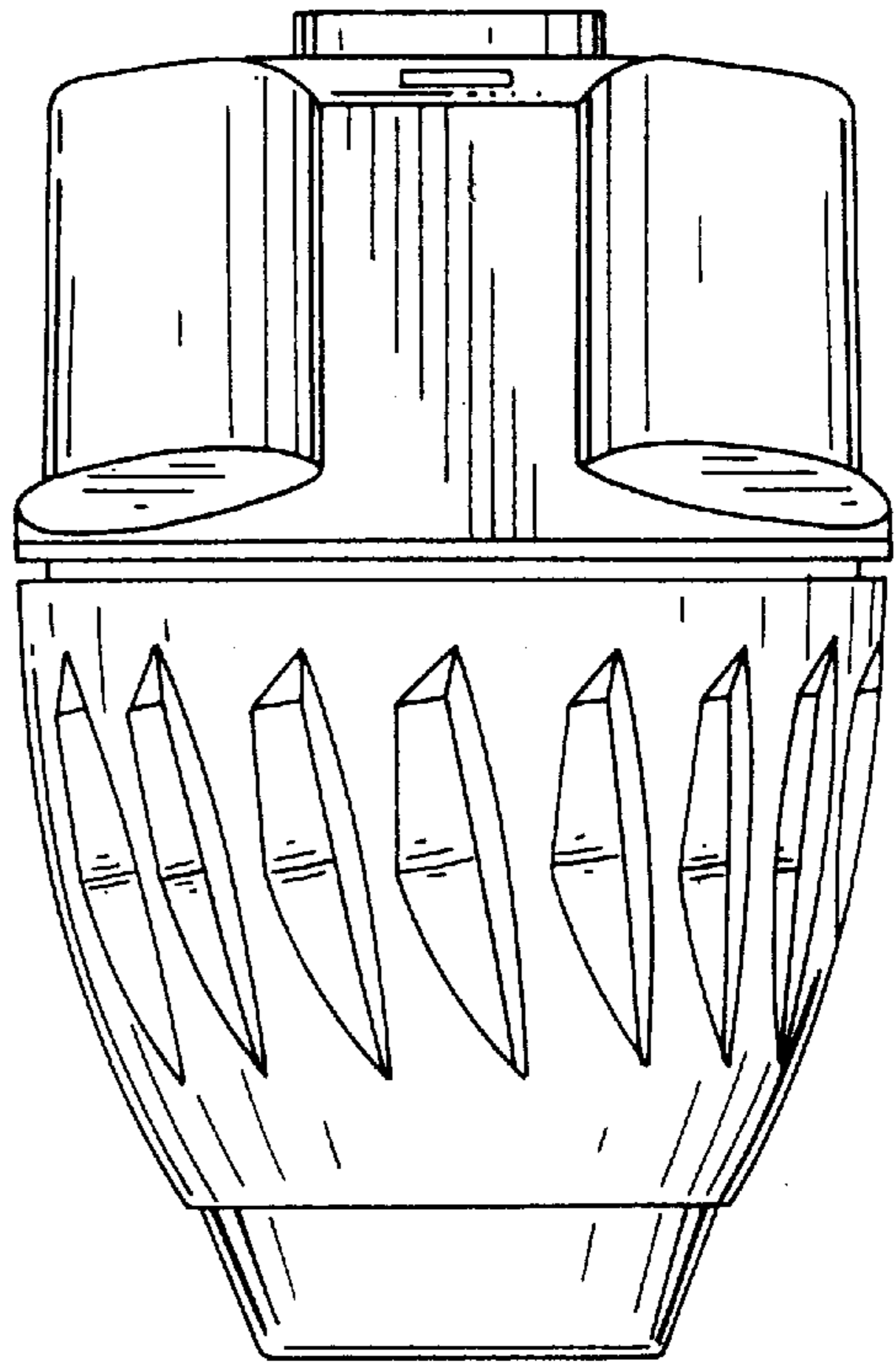


FIG. 2

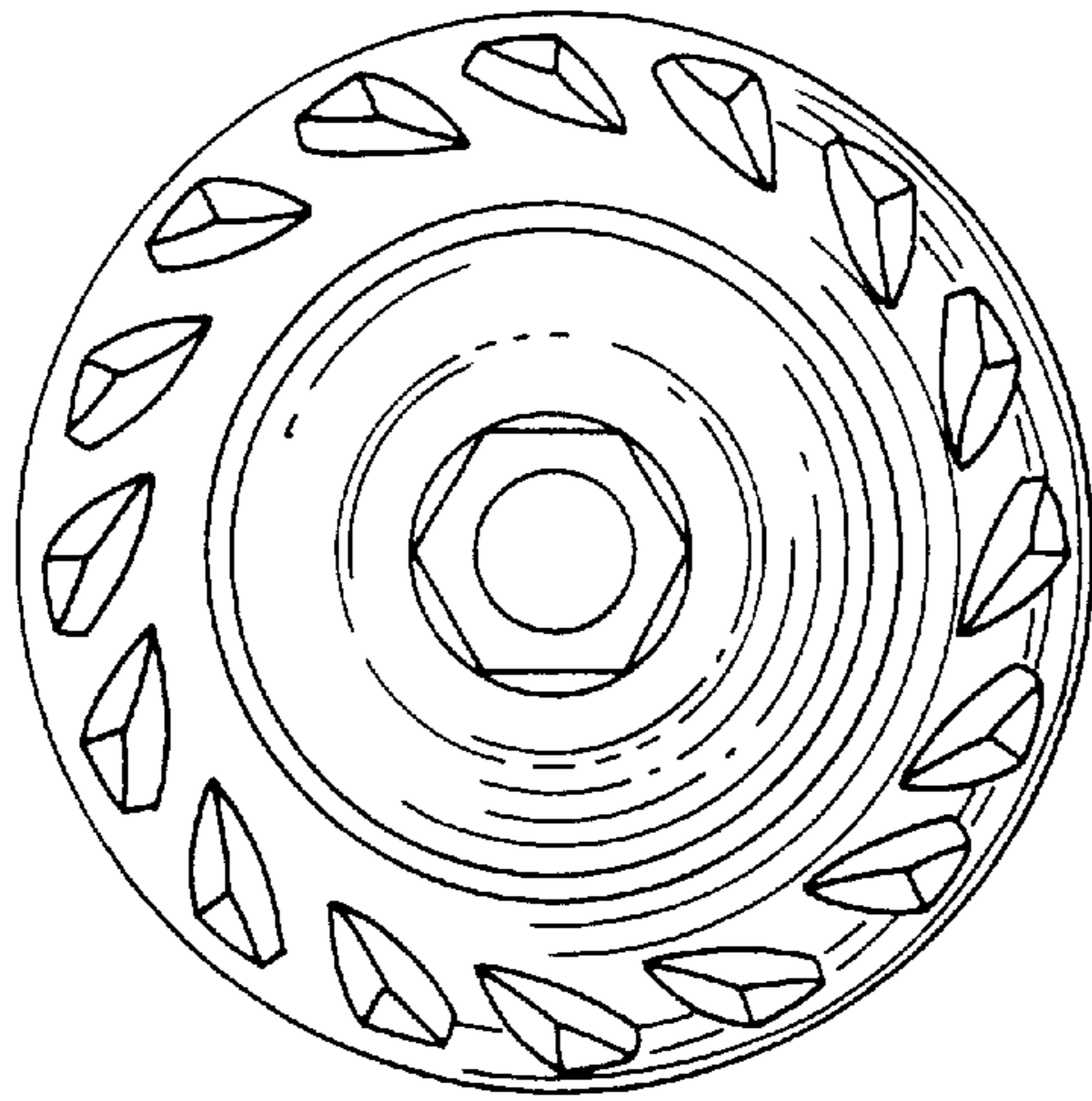


FIG. 3

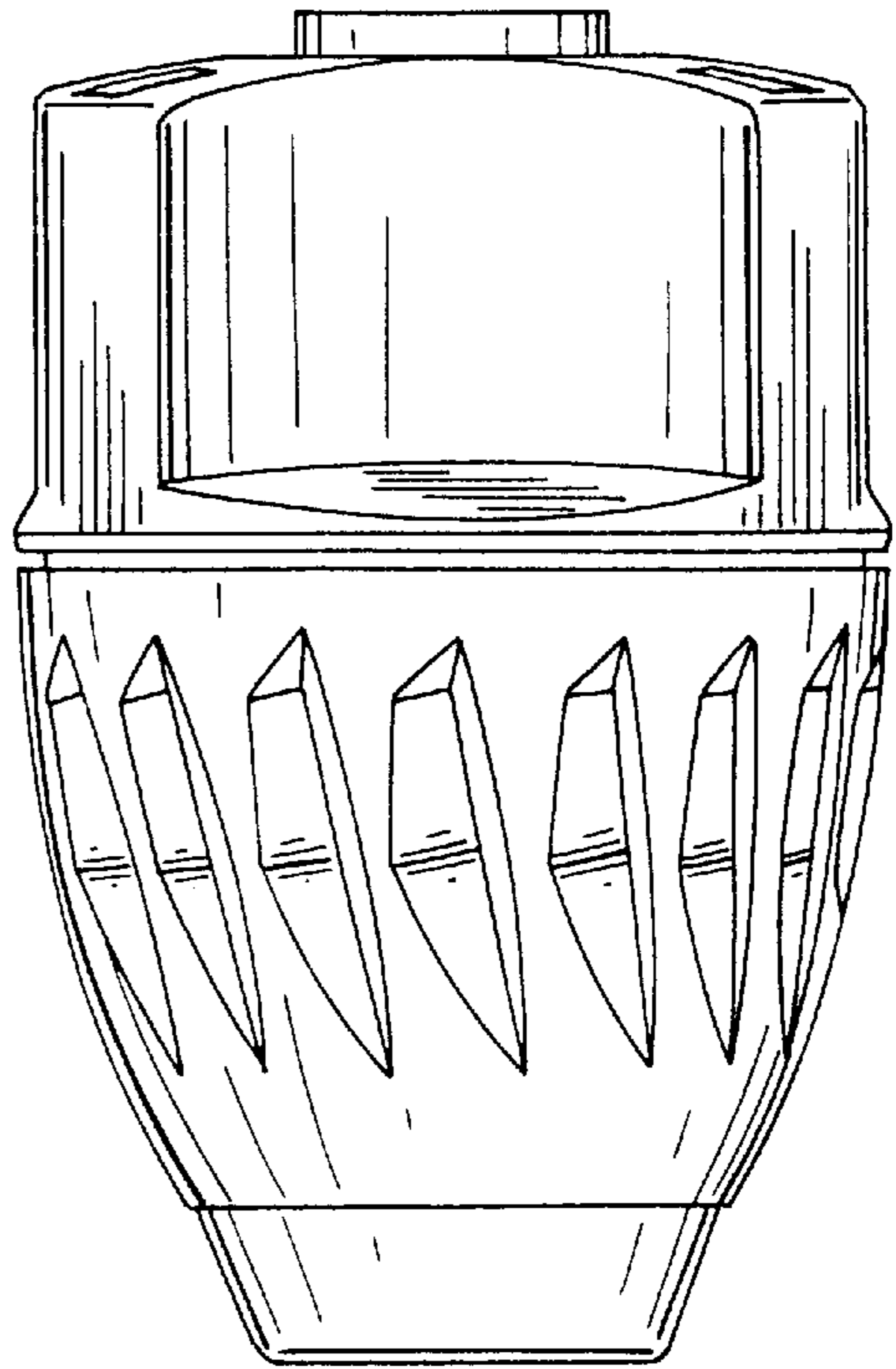


FIG. 4

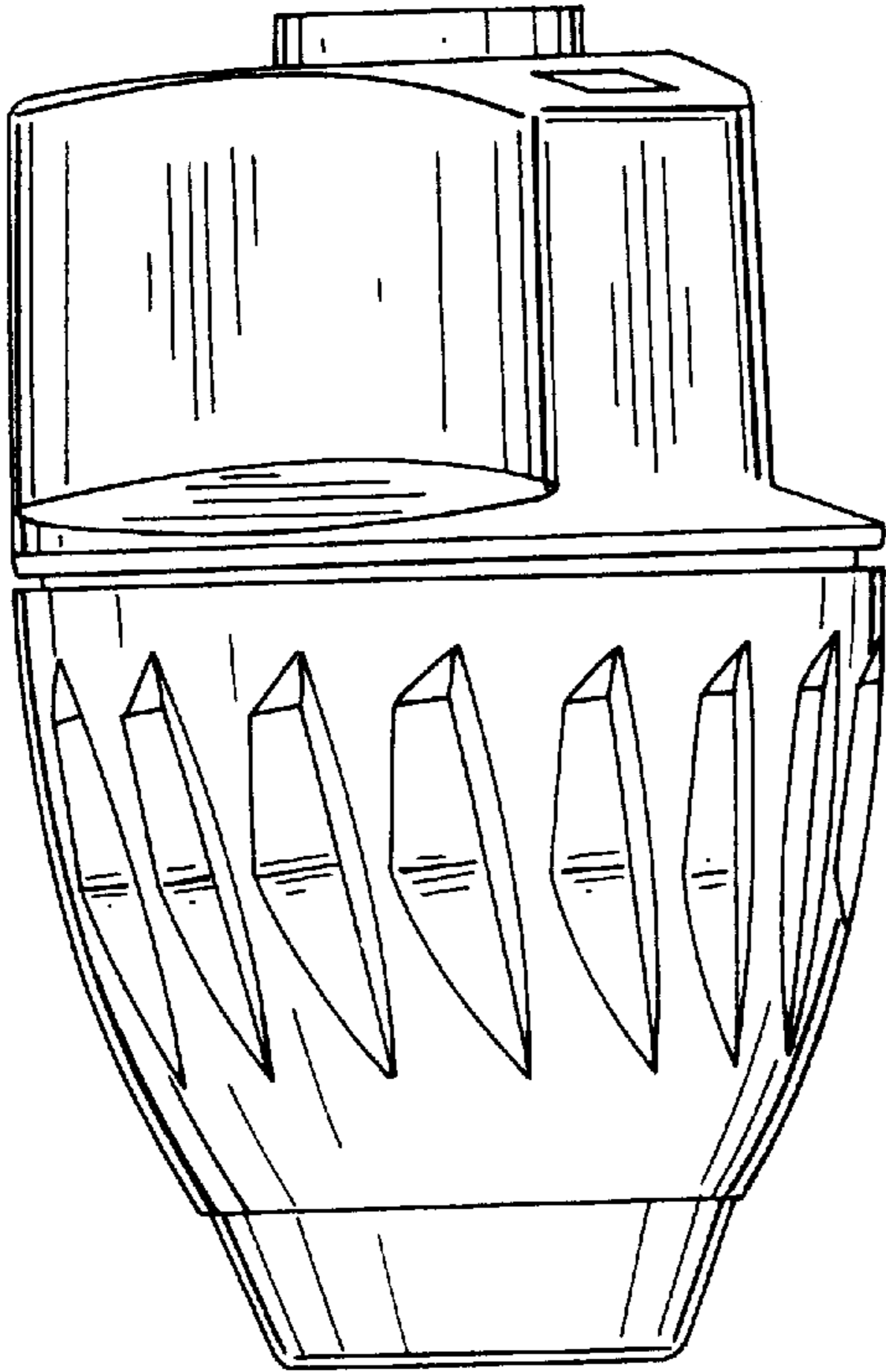


FIG. 5

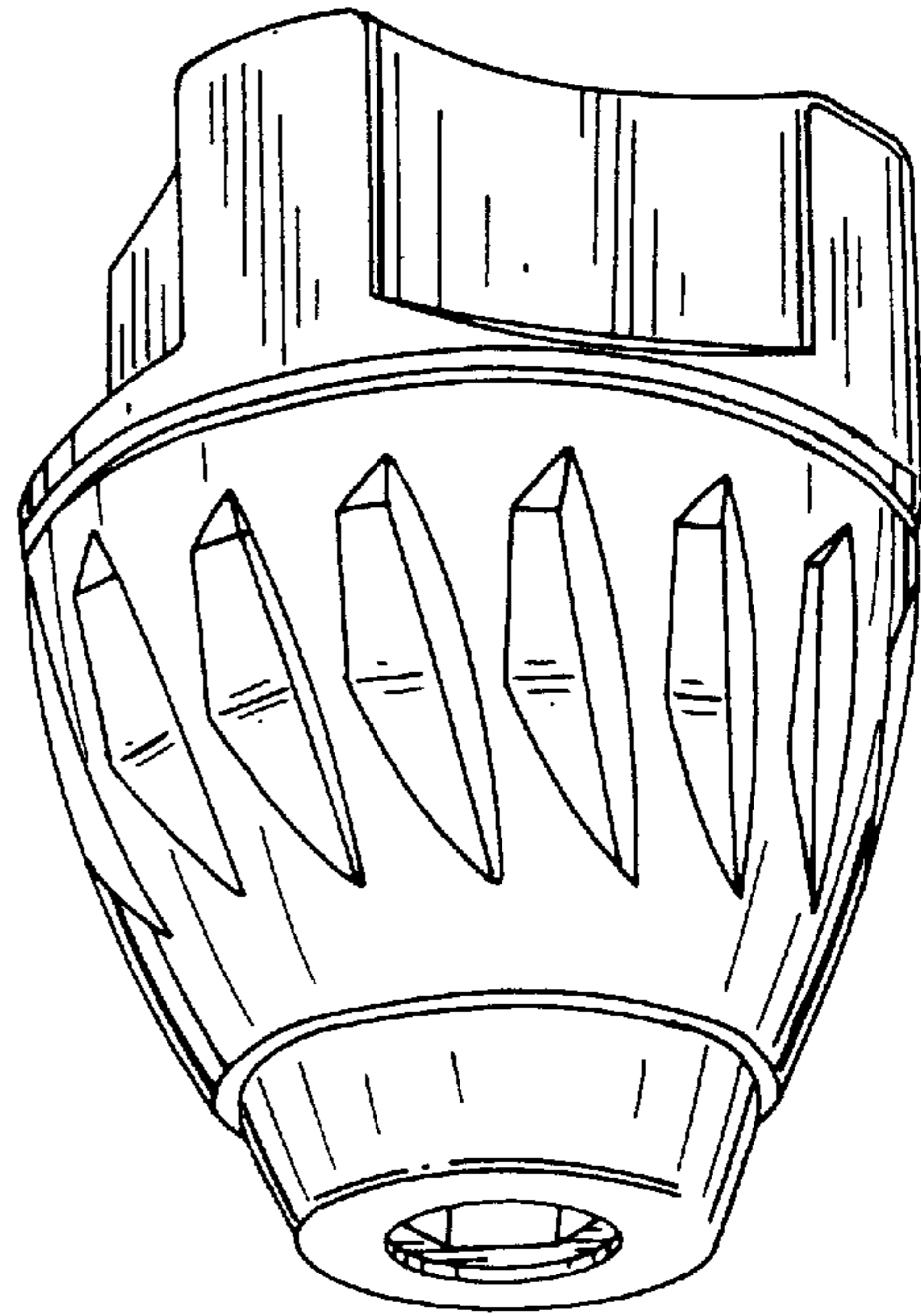


FIG. 6

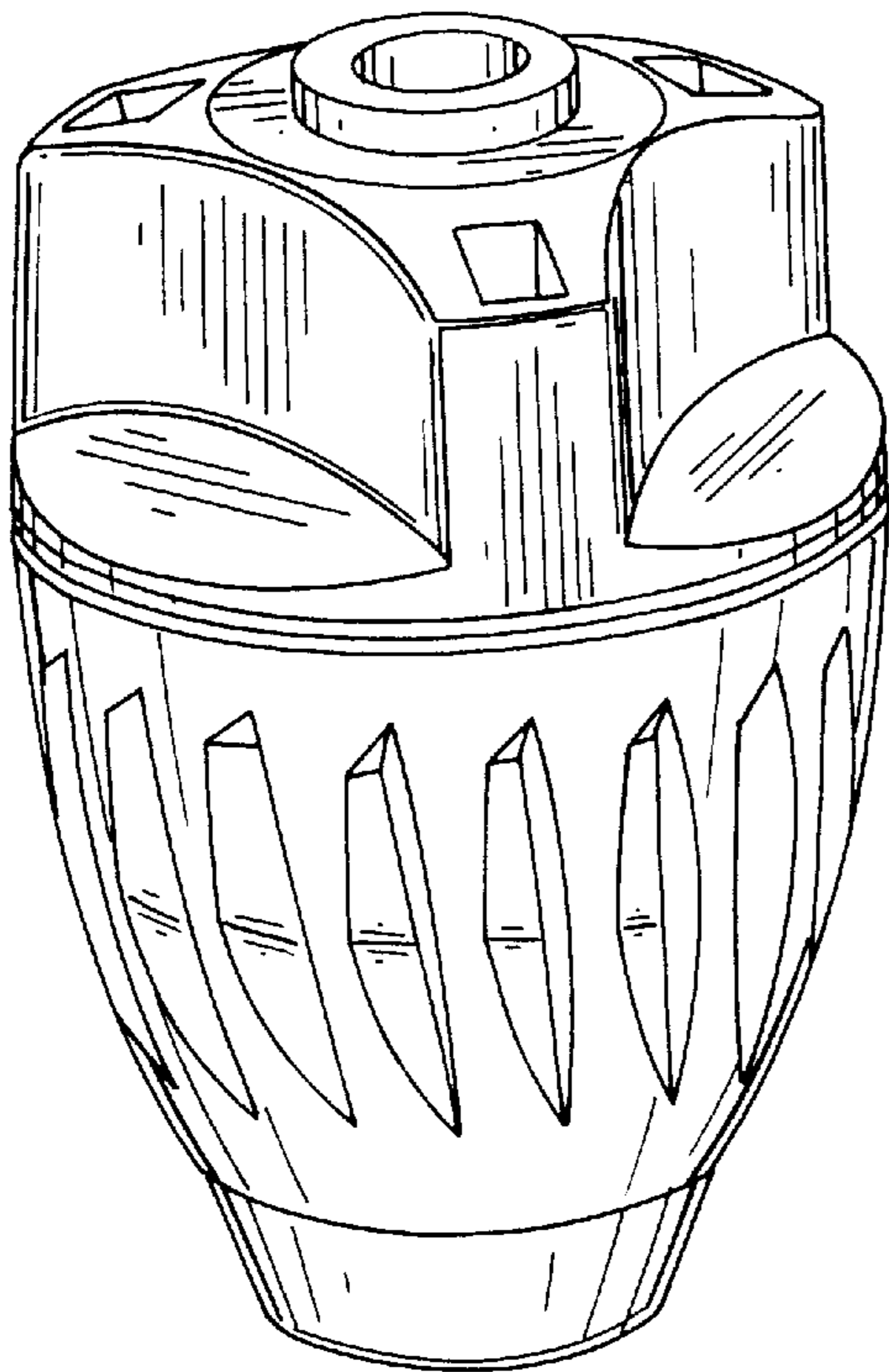


FIG. 7

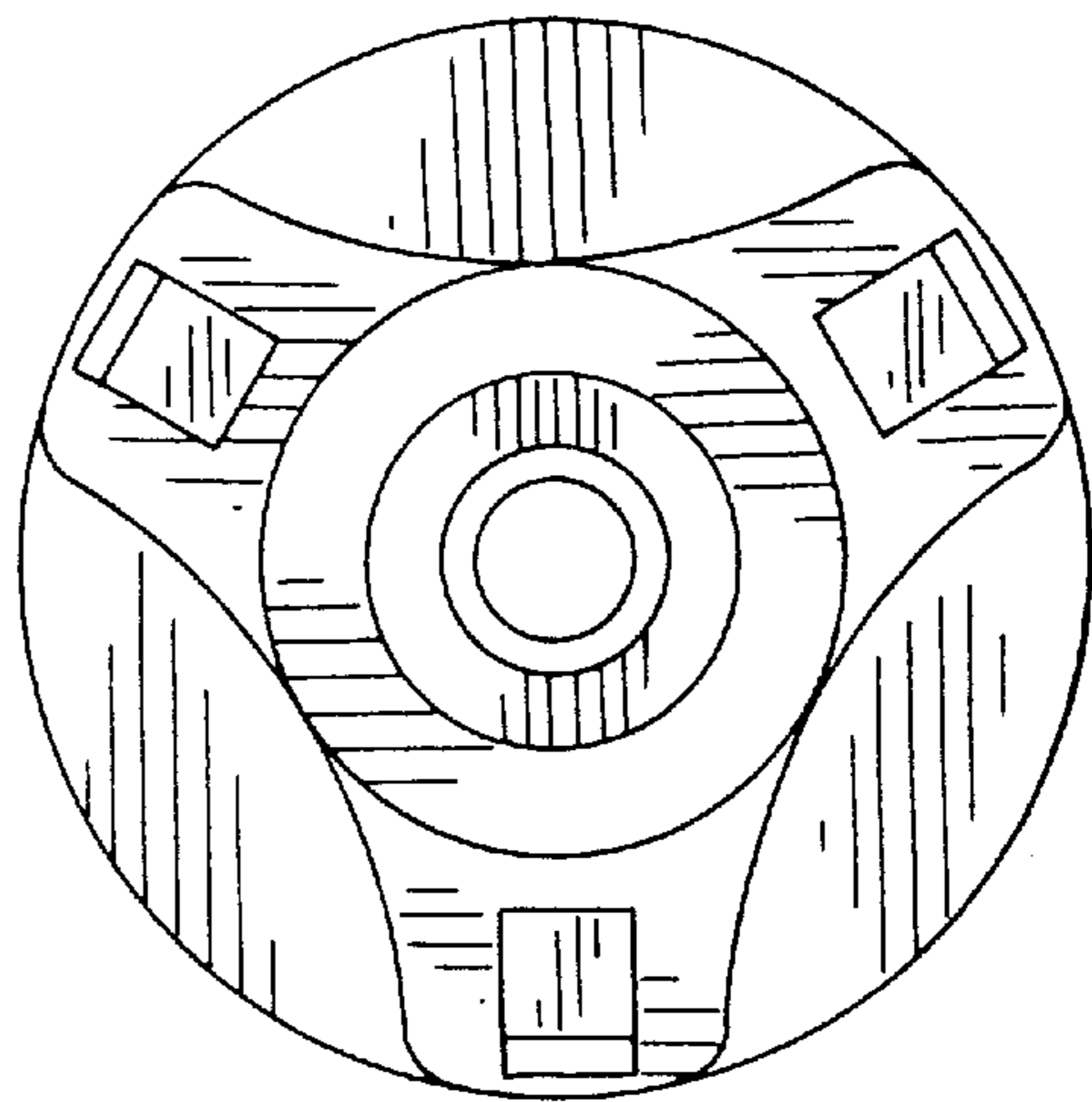


FIG. 8

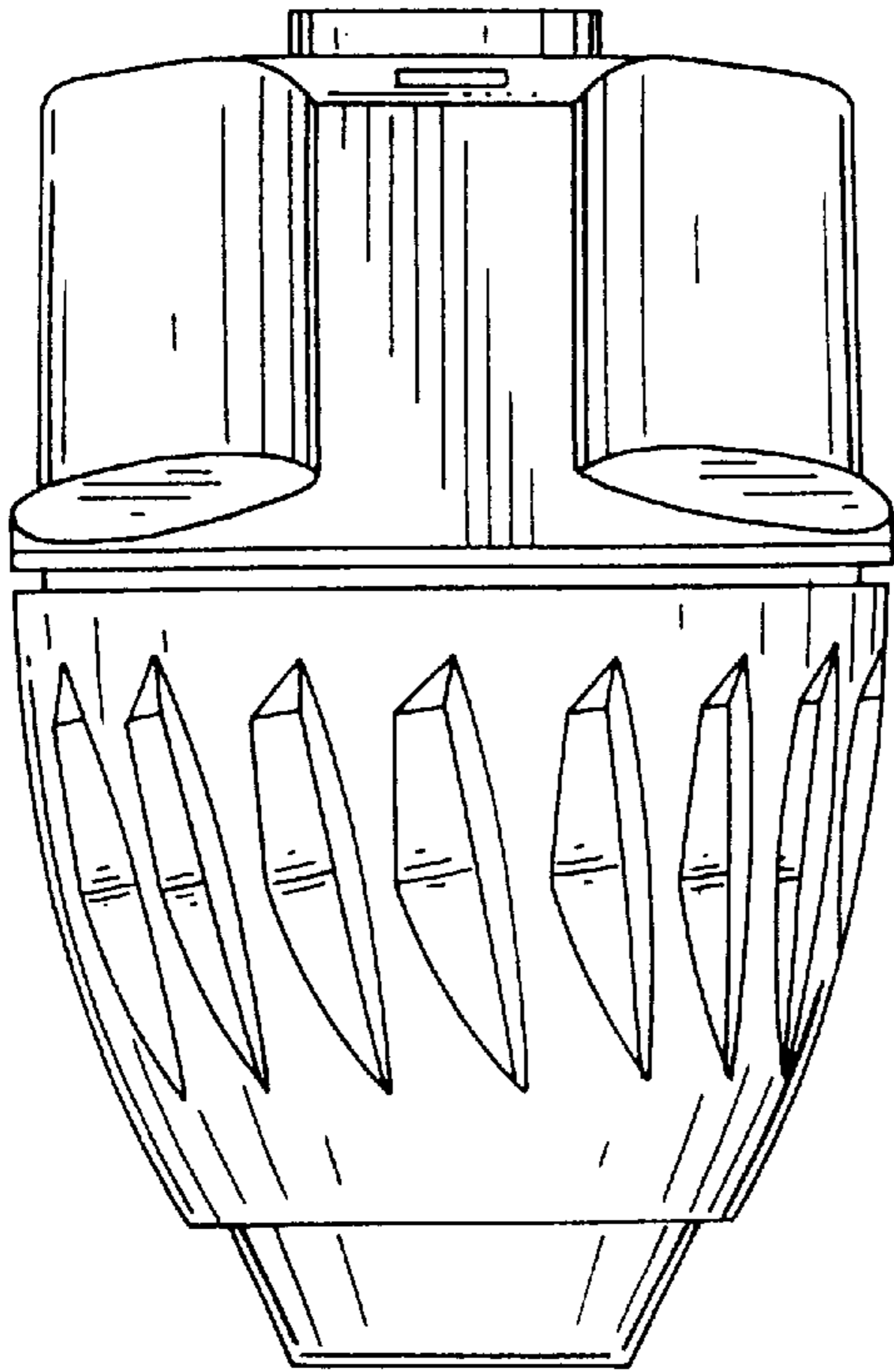


FIG. 9

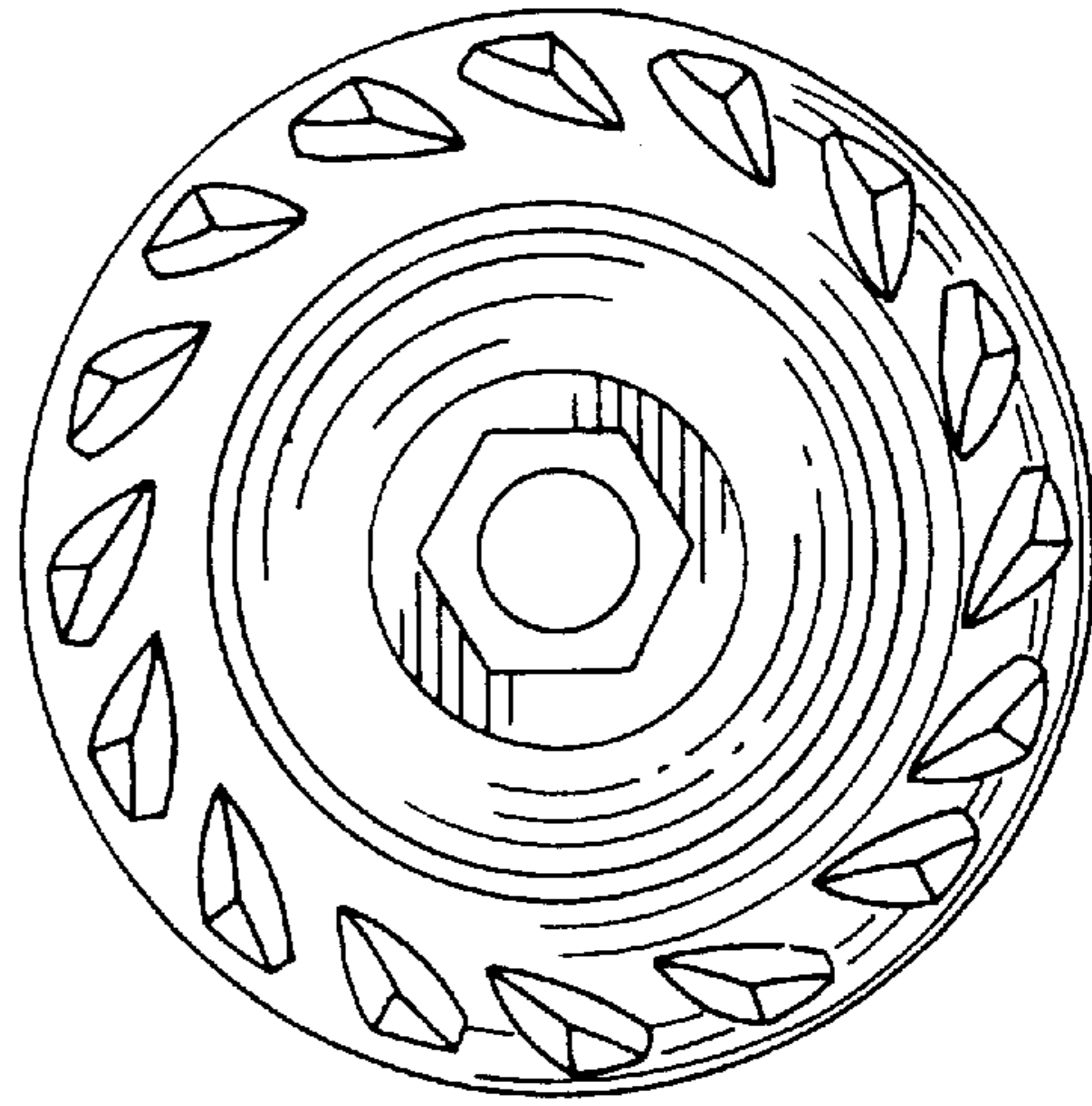


FIG. 10

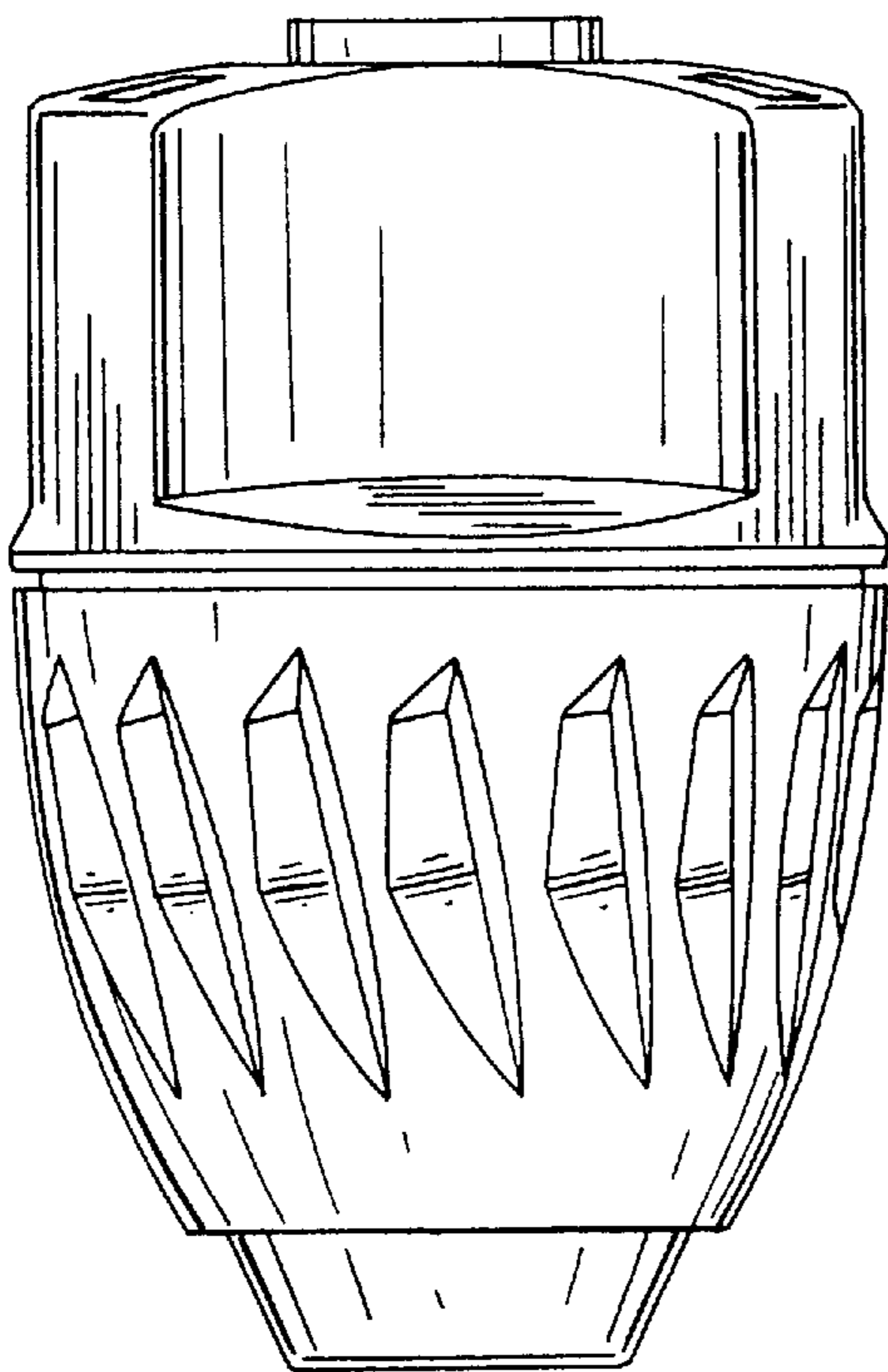


FIG. 11

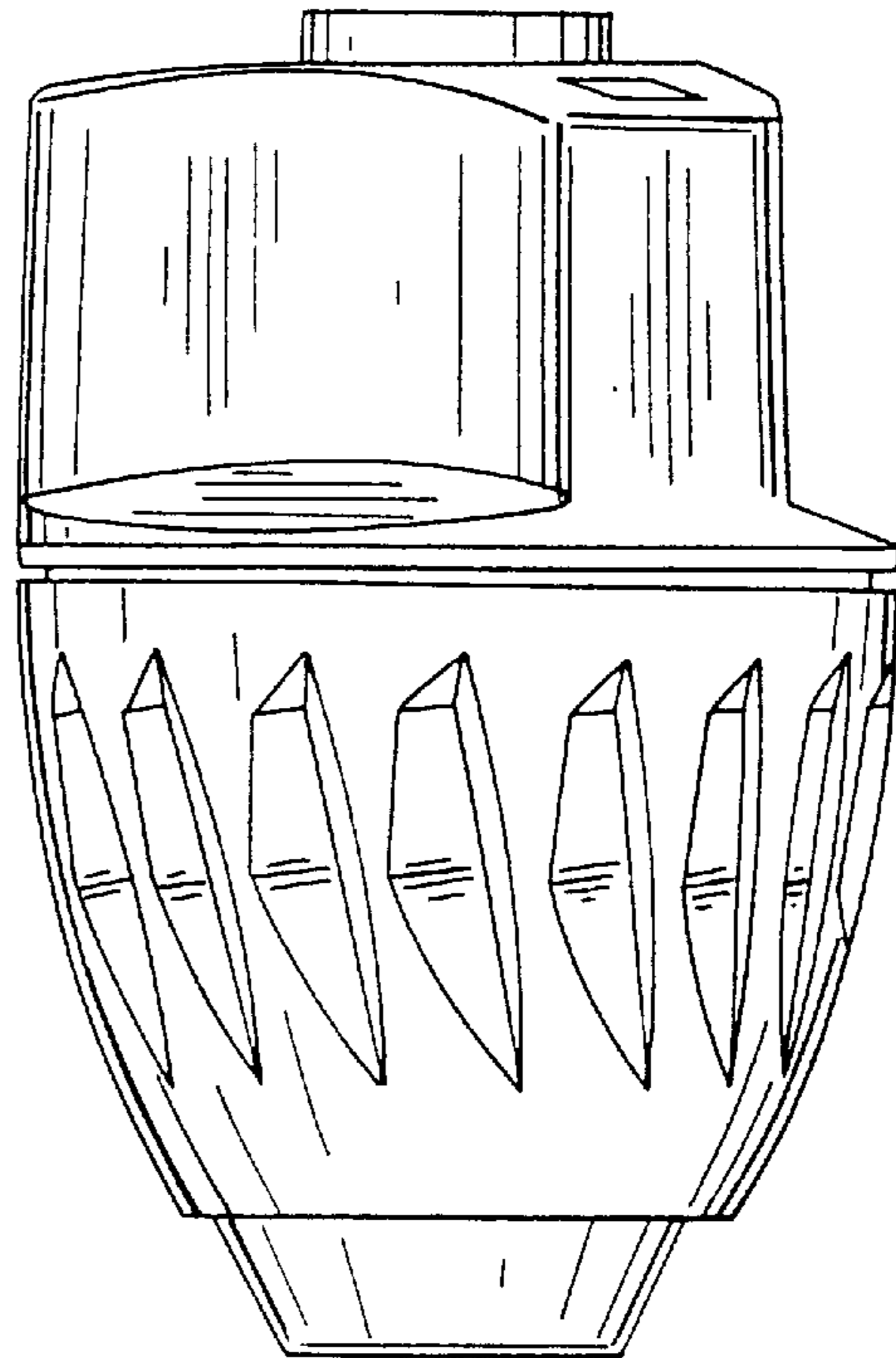


FIG. 12

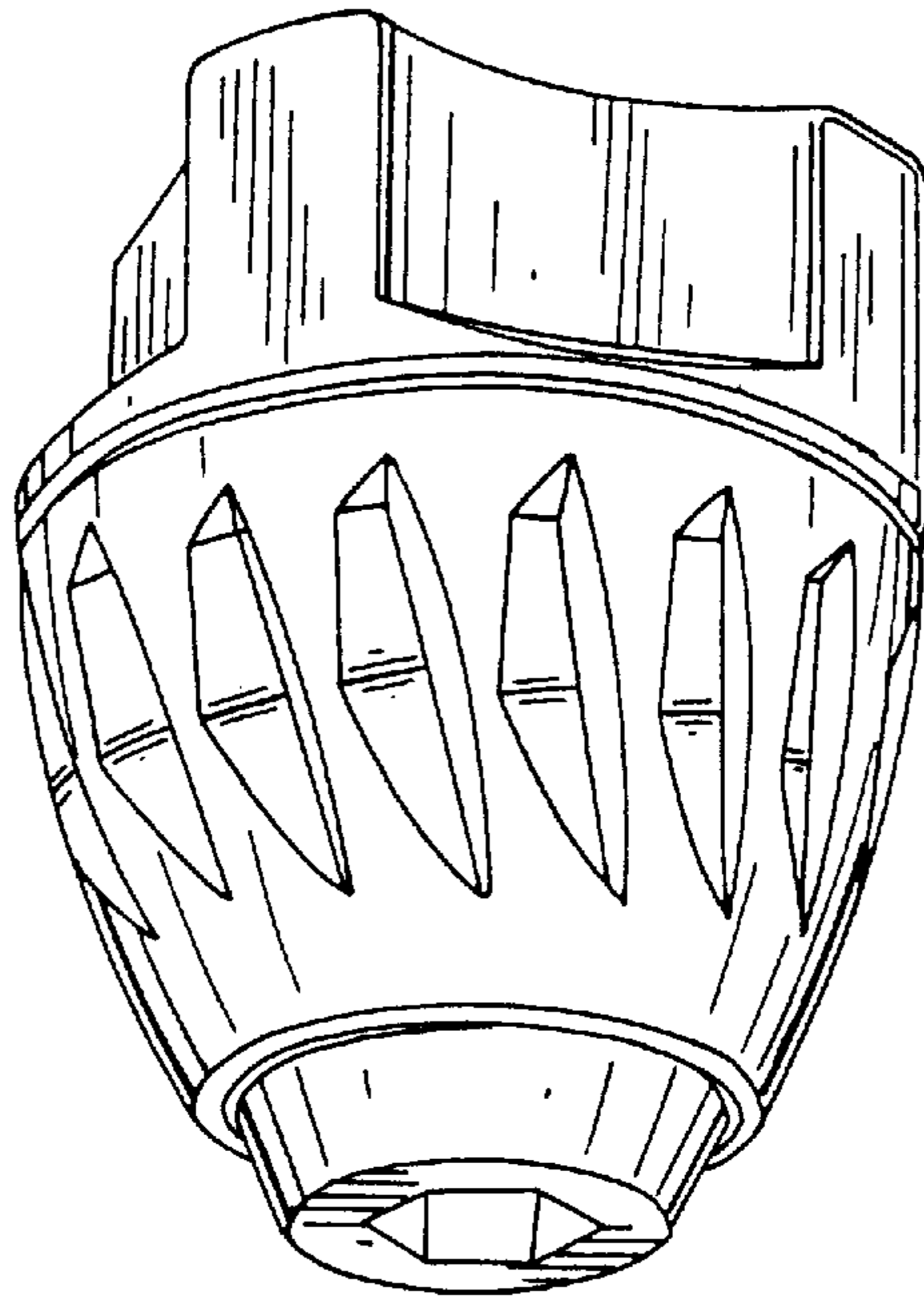


FIG. 13

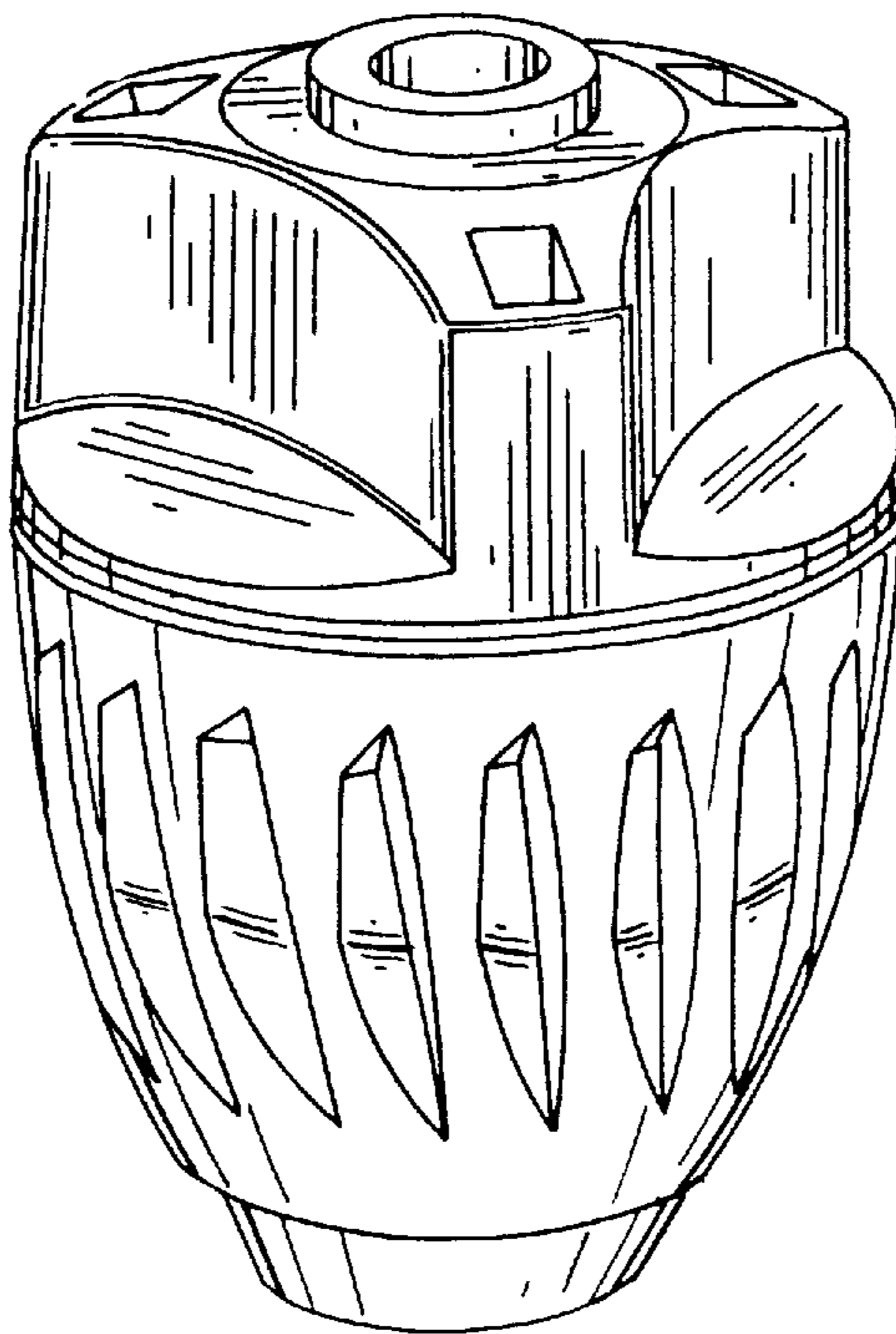


FIG. 14