

US00D400967S

United States Patent [19]

Schreiner et al.

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[45] **Date of Patent:** **Nov. 10, 1998

[54] **COMBINATION VALVE AND VALVE ACTUATOR**

[75] Inventors: **Michael R. Schreiner**, Port Washington; **John H. Schlais**, New Berlin, both of Wis.

[73] Assignee: **Erie Manufacturing Company**, Milwaukee, Wis.

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

[21] Appl. No.: **79,079**

[22] Filed: **Nov. 7, 1997**

[51] **LOC (6) Cl.** **23-01**

[52] **U.S. Cl.** **D23/233**

[58] **Field of Search** D23/233-237, D23/244-249; 251/58, 30.01, 63.5; 285/328; 137/556

[56] **References Cited**

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“Taco Motorized Zone Valve Installation Instructions, 24 VAC Applications” No. 102-064, 1993, Taco, Inc., 1160 Cranston Street, Cranston, RI 02920.

“Gold Series Zone Valves” Information Sheet, Taco, Inc., 1160 Cranston Street, Cranston, RI 02920, Catalog 100-3.3, undated prior to Nov. 1997.

“MZV Motorized Zone Valve” Information Sheet, Taco, Inc., 1160 Cranston Street, Cranston, RI 02920, Catalog 100-2.7, undated prior to Nov. 1997.

Primary Examiner—Marcus A. Jackson
Attorney, Agent, or Firm—Andrus, Sceales, Starke & Sawall

[57] **CLAIM**

The ornamental design of a combination valve and valve actuator, as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of a combination valve and valve actuator incorporating our new design, with the broken line showing for illustrative purposes only and forming no part of the claimed design;

FIG. 2 is a left side elevation view thereof;

FIG. 3 is a right side elevation view thereof;

FIG. 4 is an end elevational view thereof;

FIG. 5 is an opposite end elevational view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof;

FIG. 8 is an isometric view of a valve body for use in combination with an actuator as in FIGS. 1-7, incorporating our new design;

FIG. 9 is an end elevational view thereof;

FIG. 10 is an opposite end elevational view thereof;

FIGS. 11 and 12 are side elevation views thereof;

FIG. 13 is a top plan view thereof; and,

FIG. 14 is a bottom plan view thereof.

1 Claim, 6 Drawing Sheets

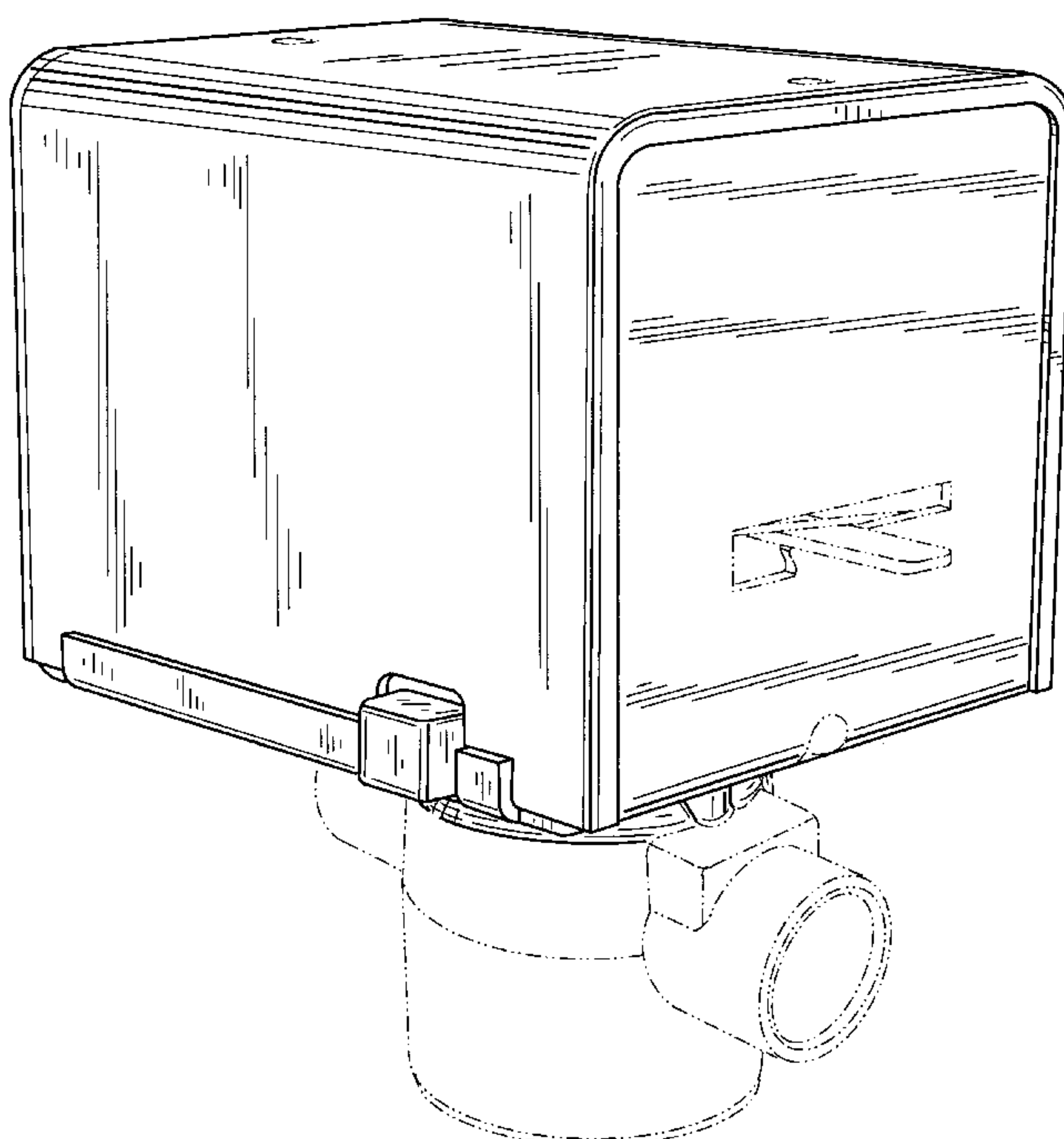


FIG. 1

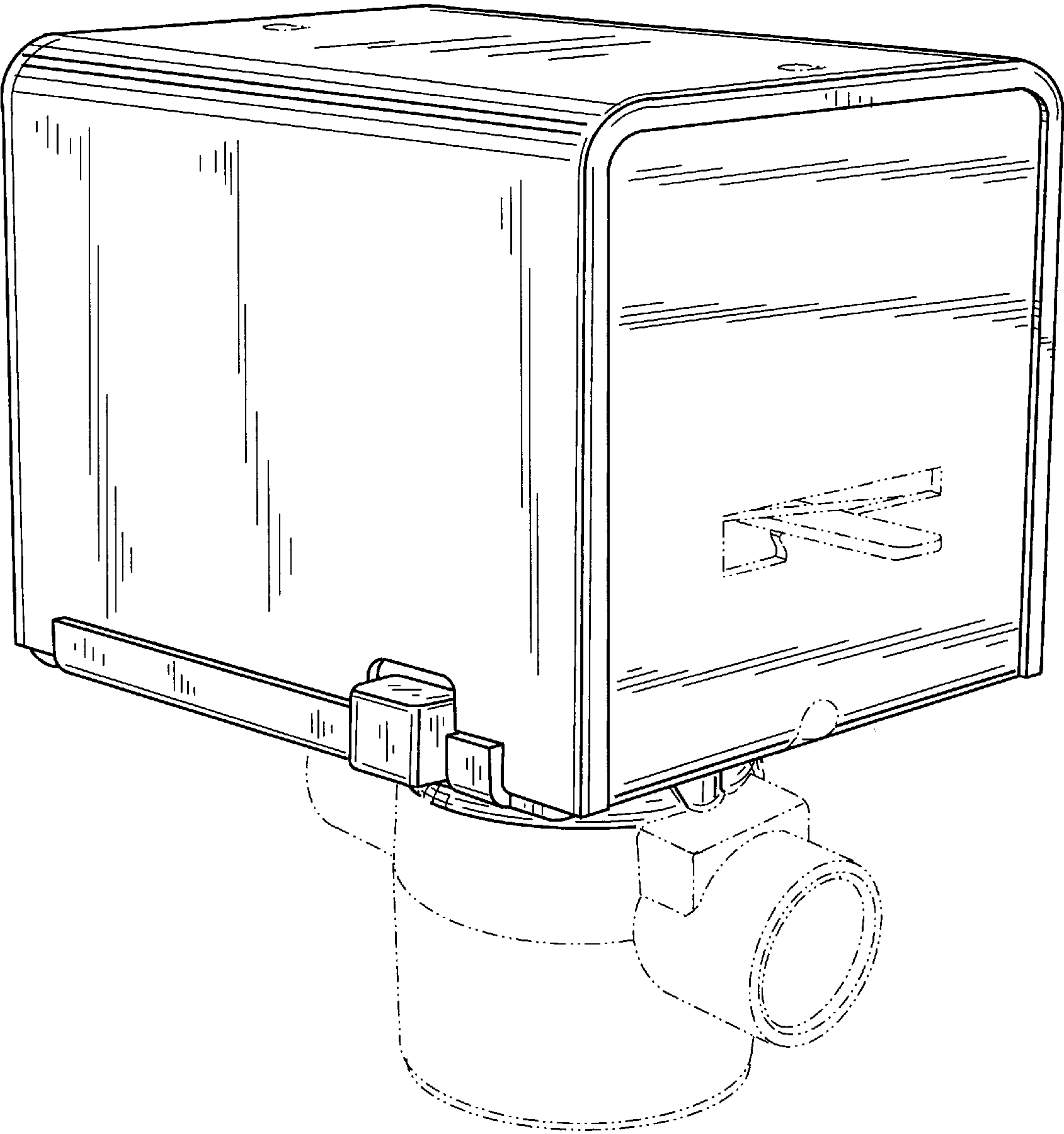


FIG. 3

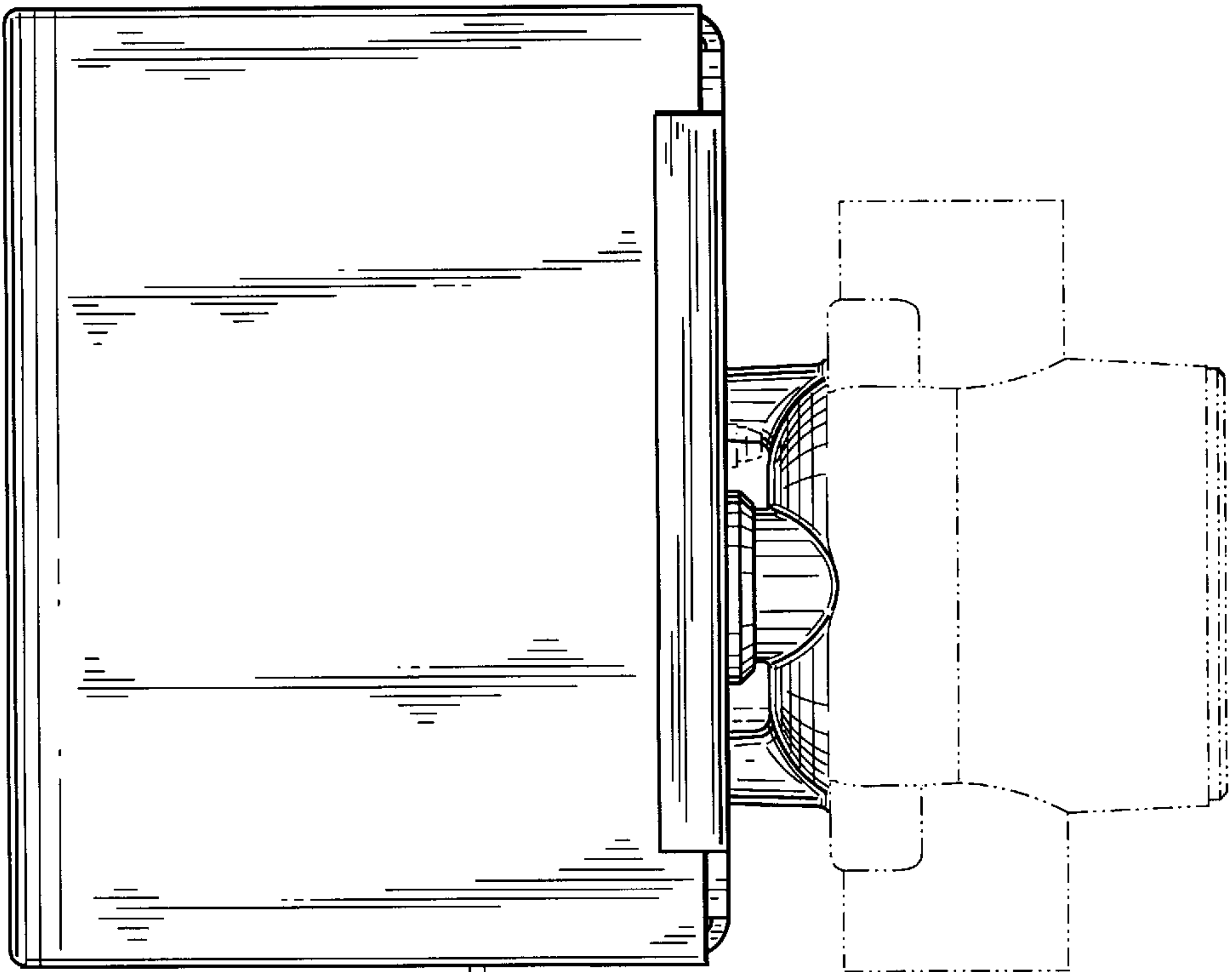
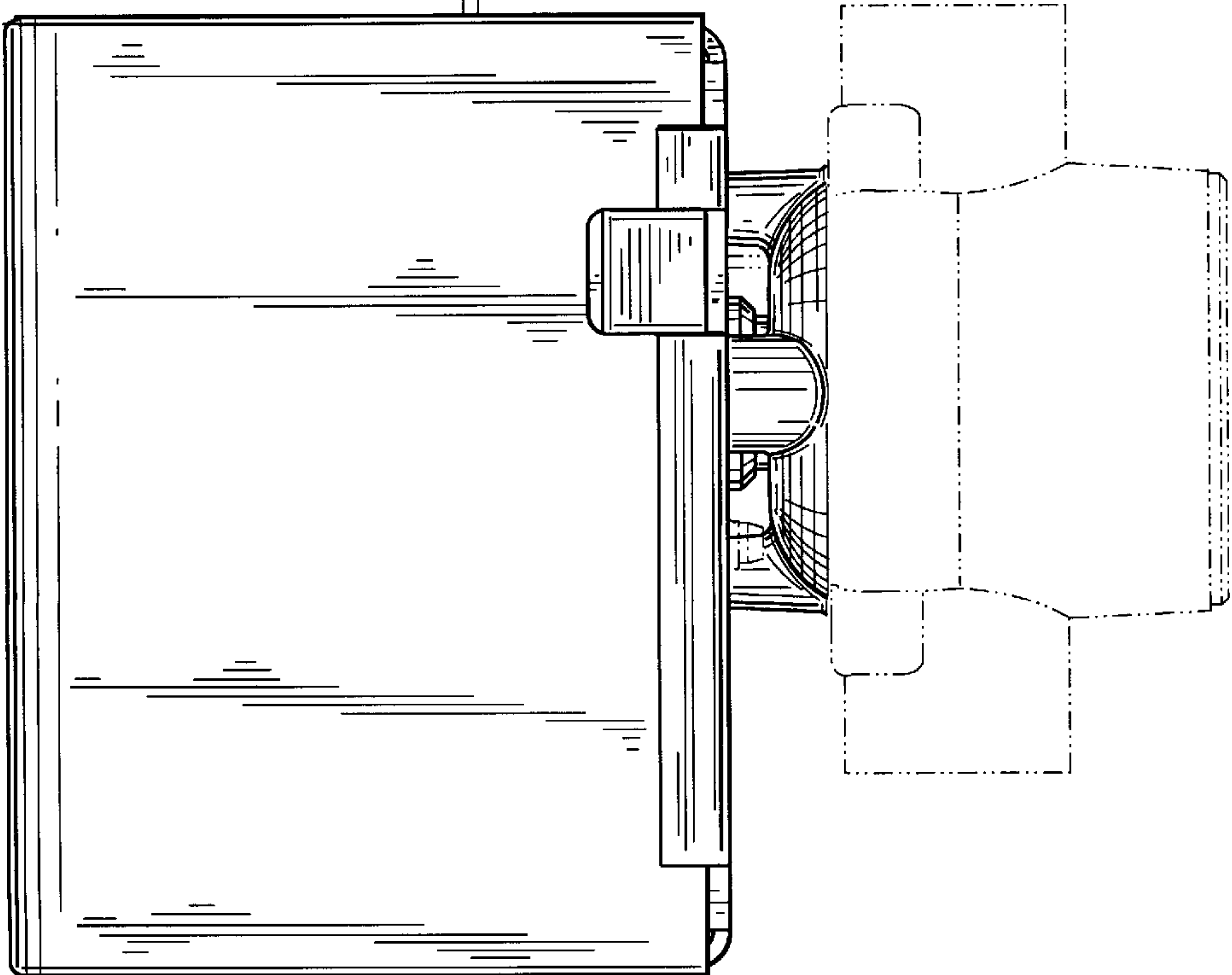


FIG. 2



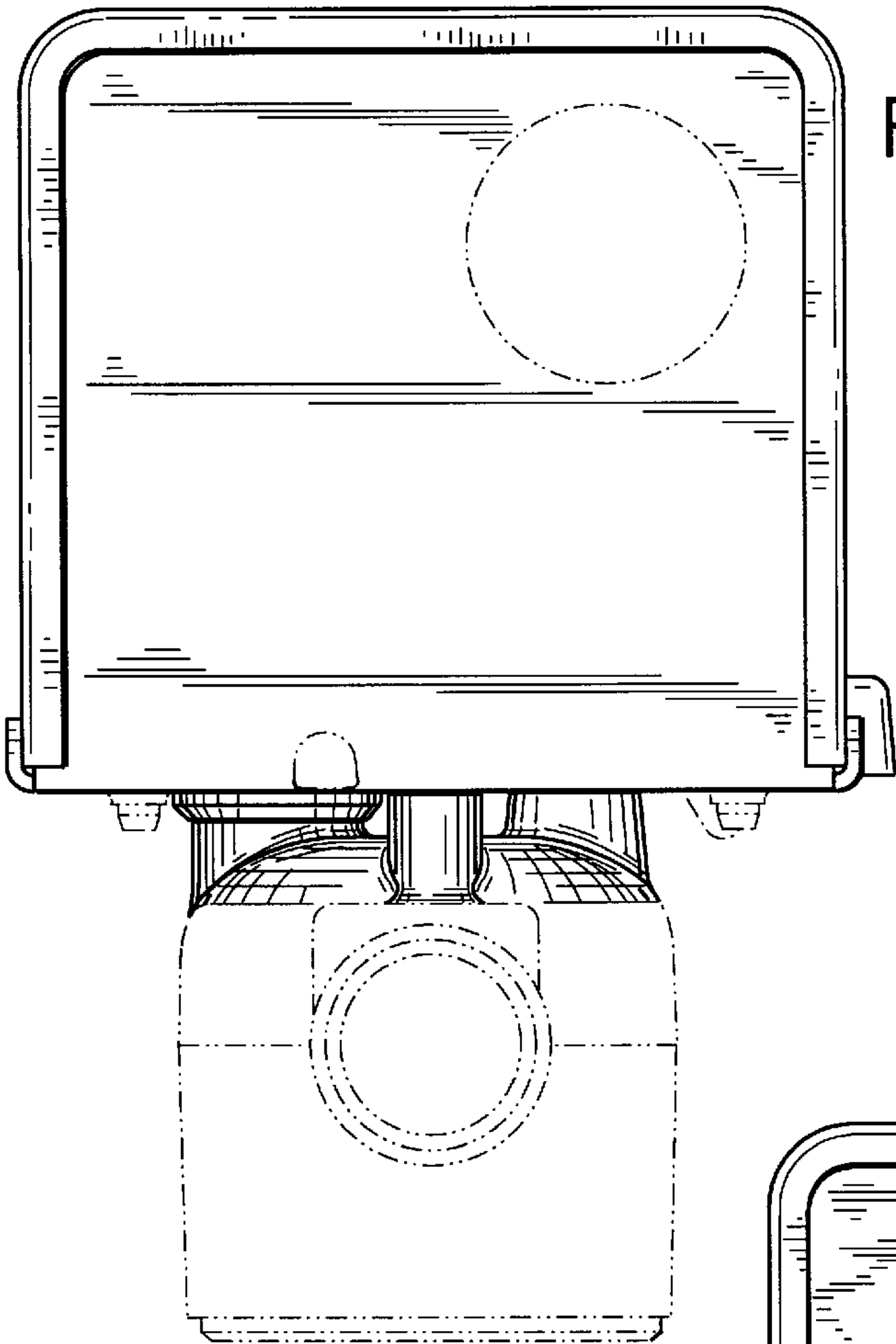


FIG. 4

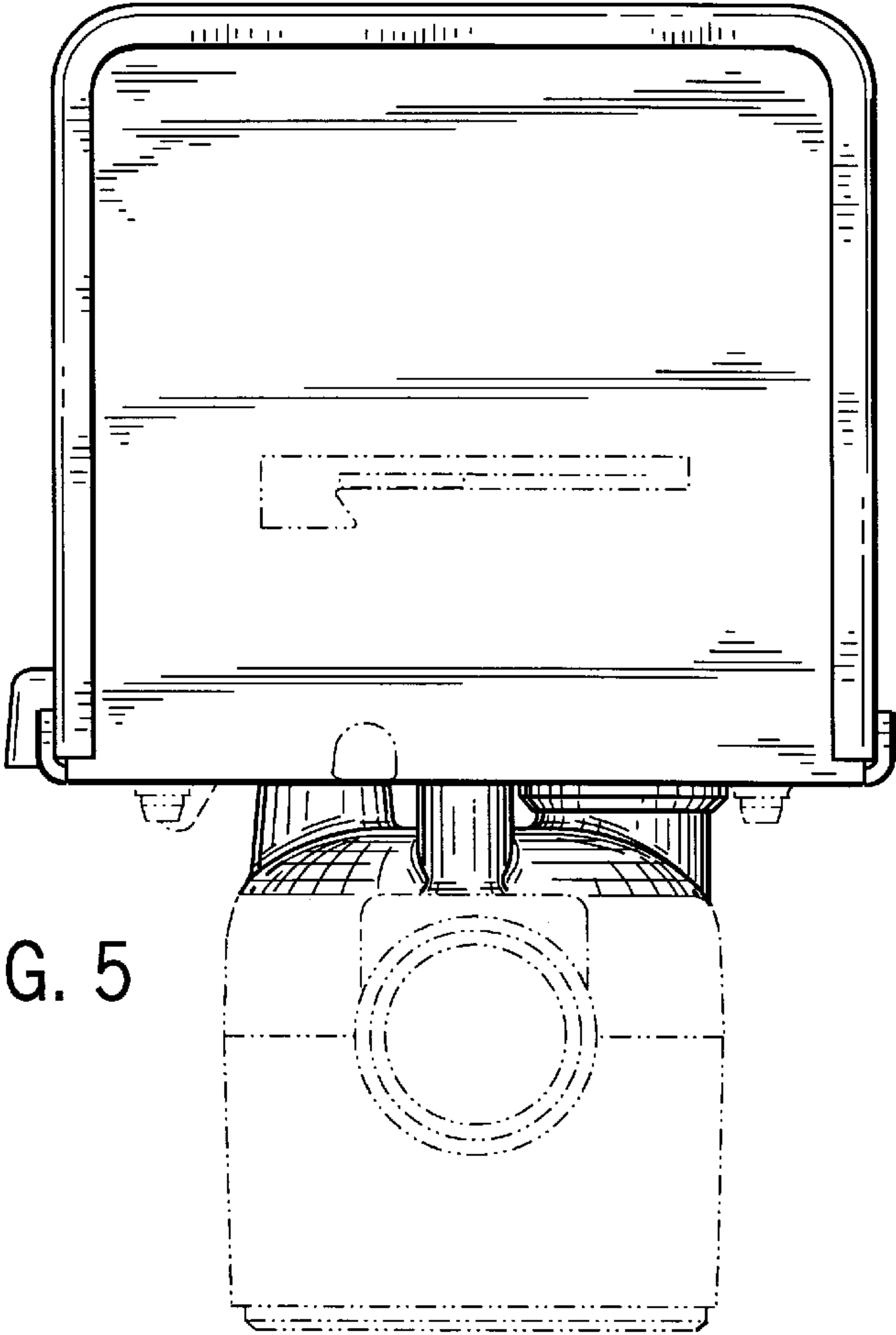


FIG. 5

FIG. 6

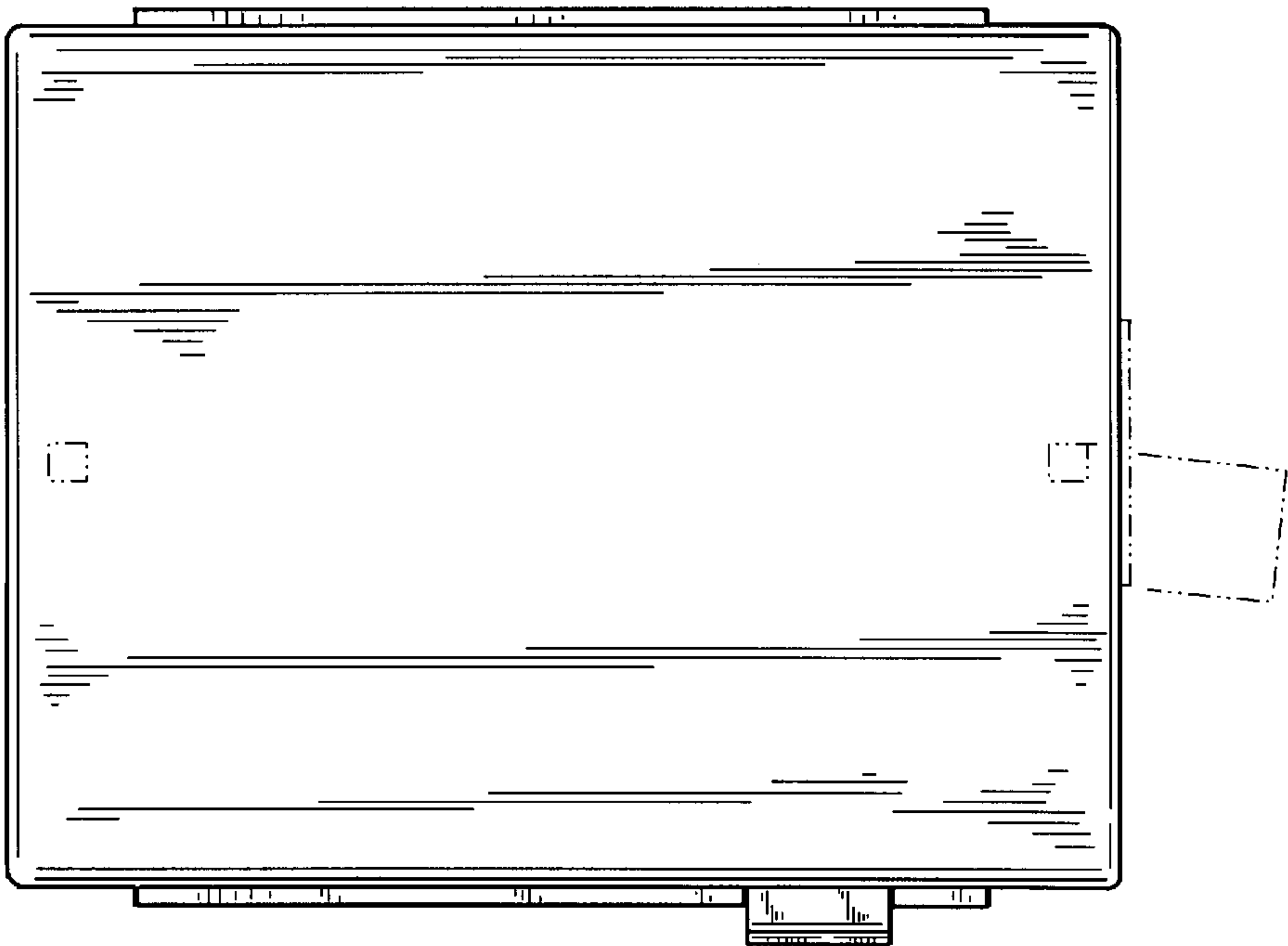


FIG. 7

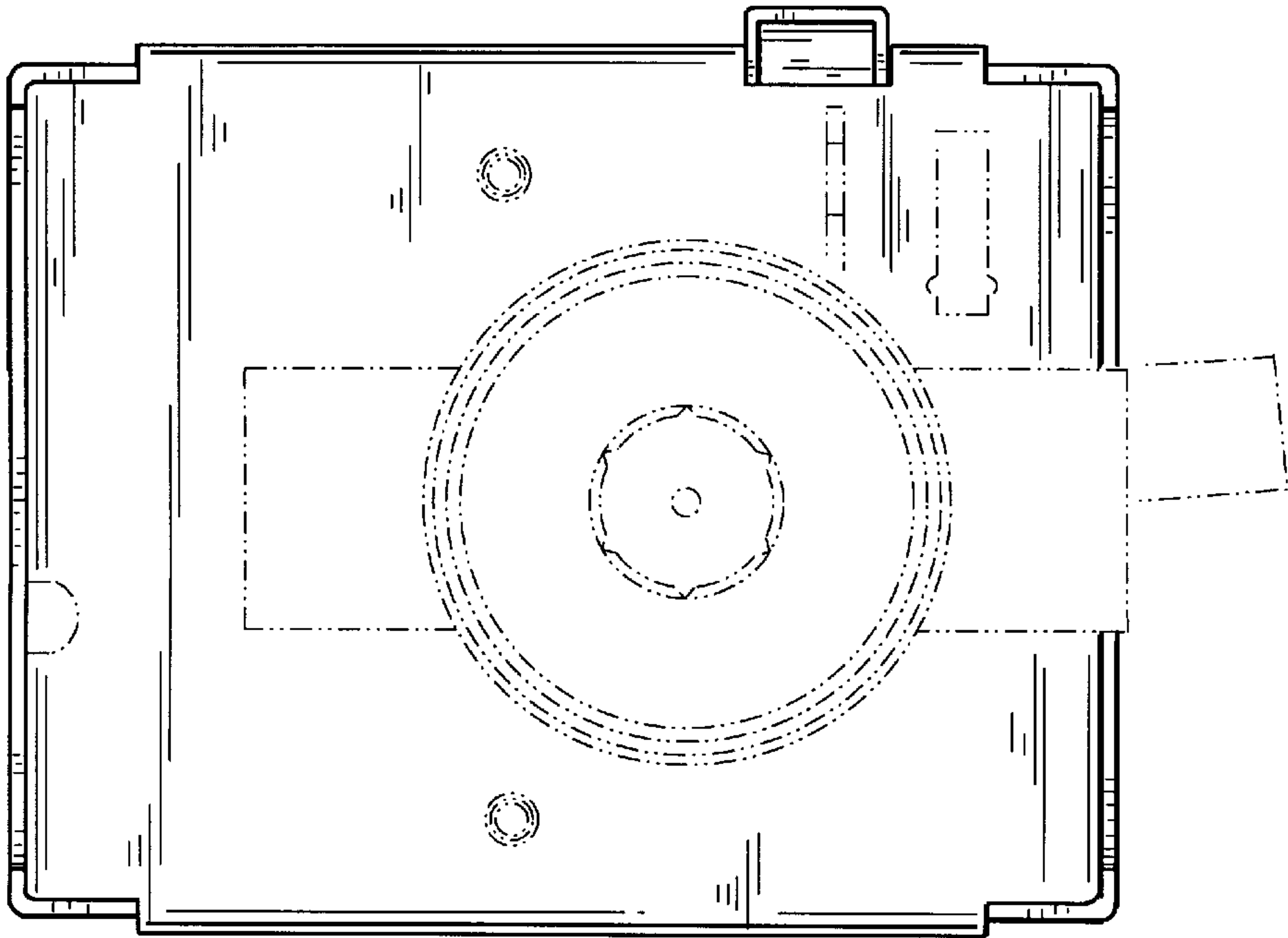


FIG. 8

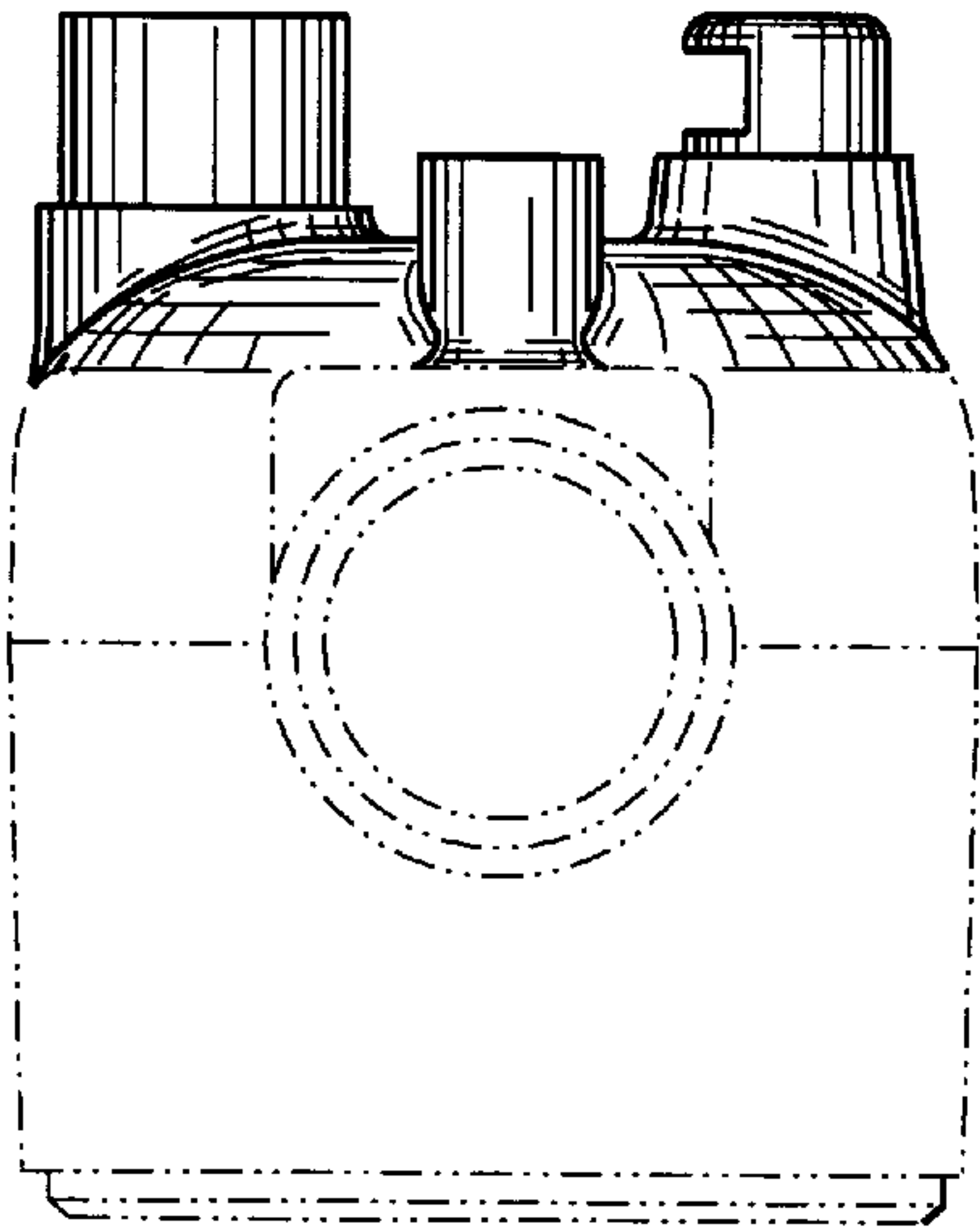
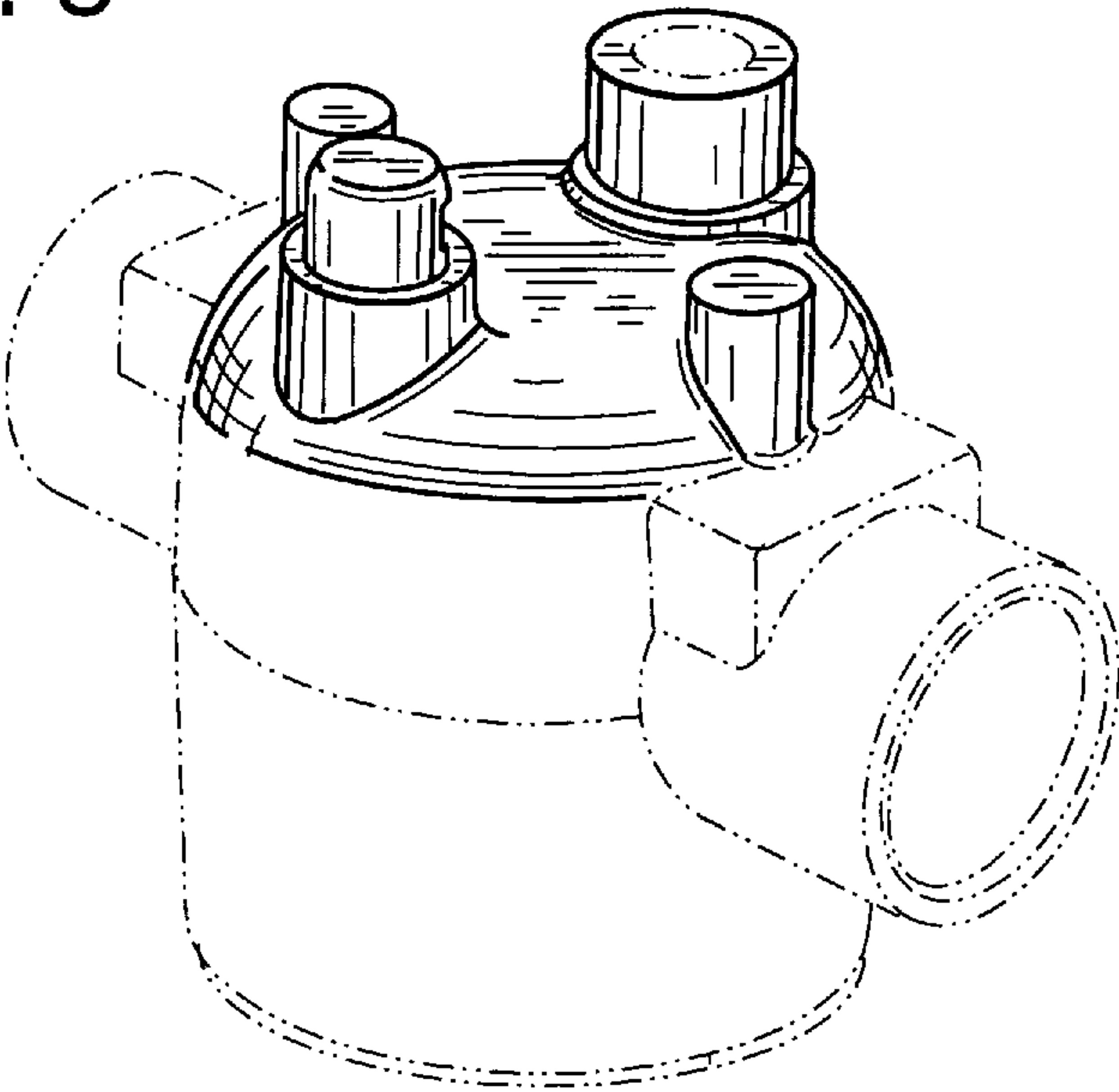


FIG. 9

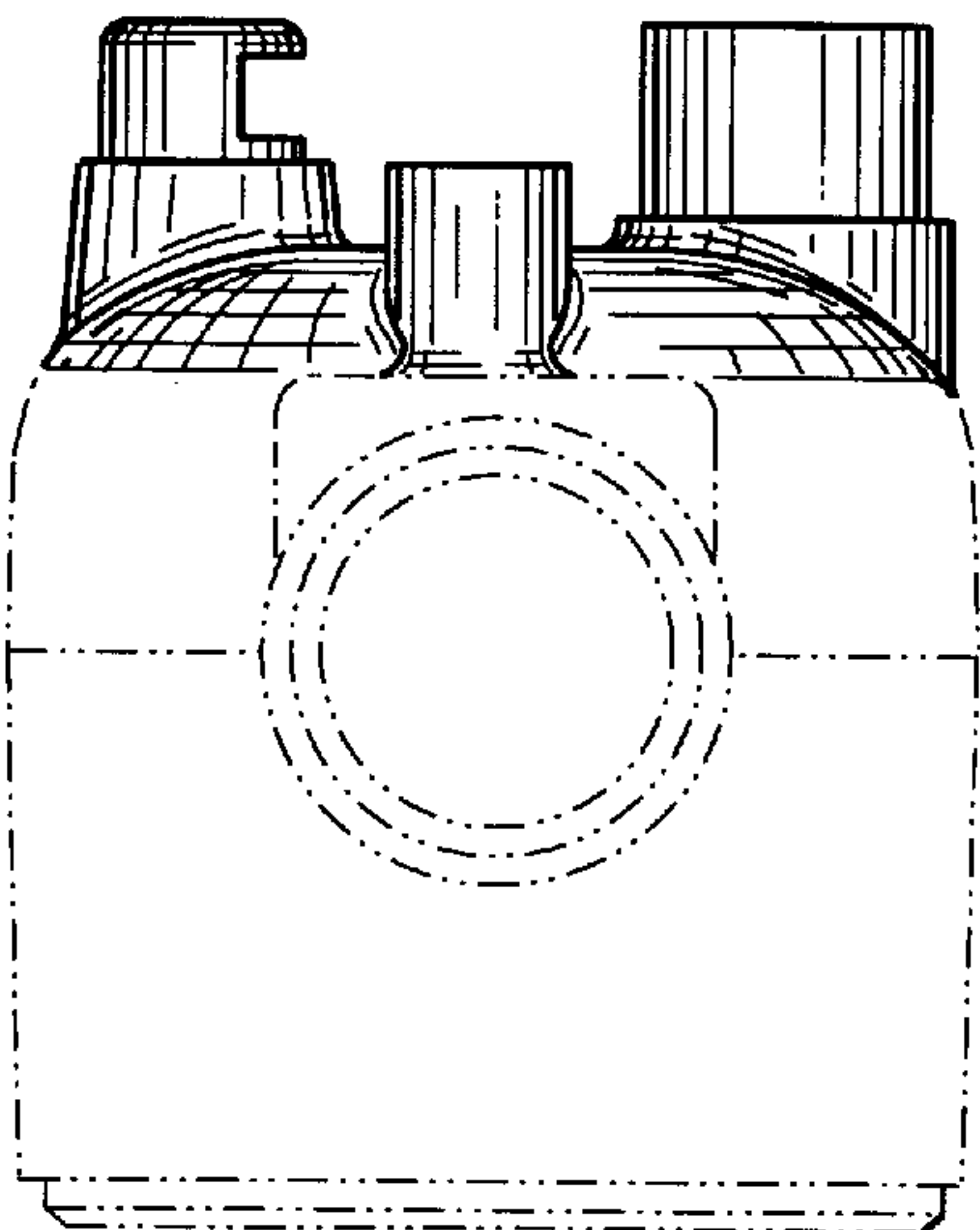


FIG. 10

FIG. 11

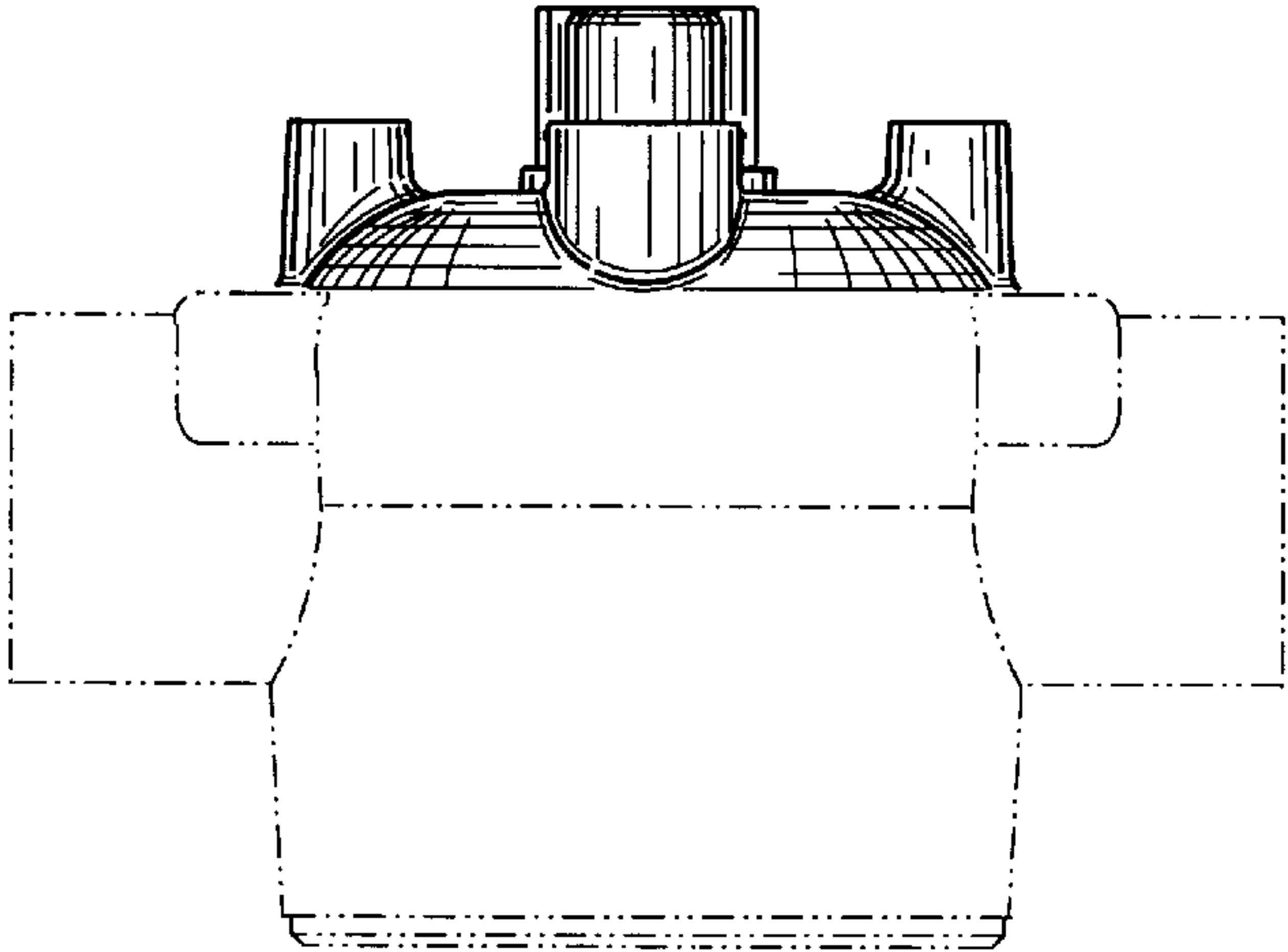


FIG. 12

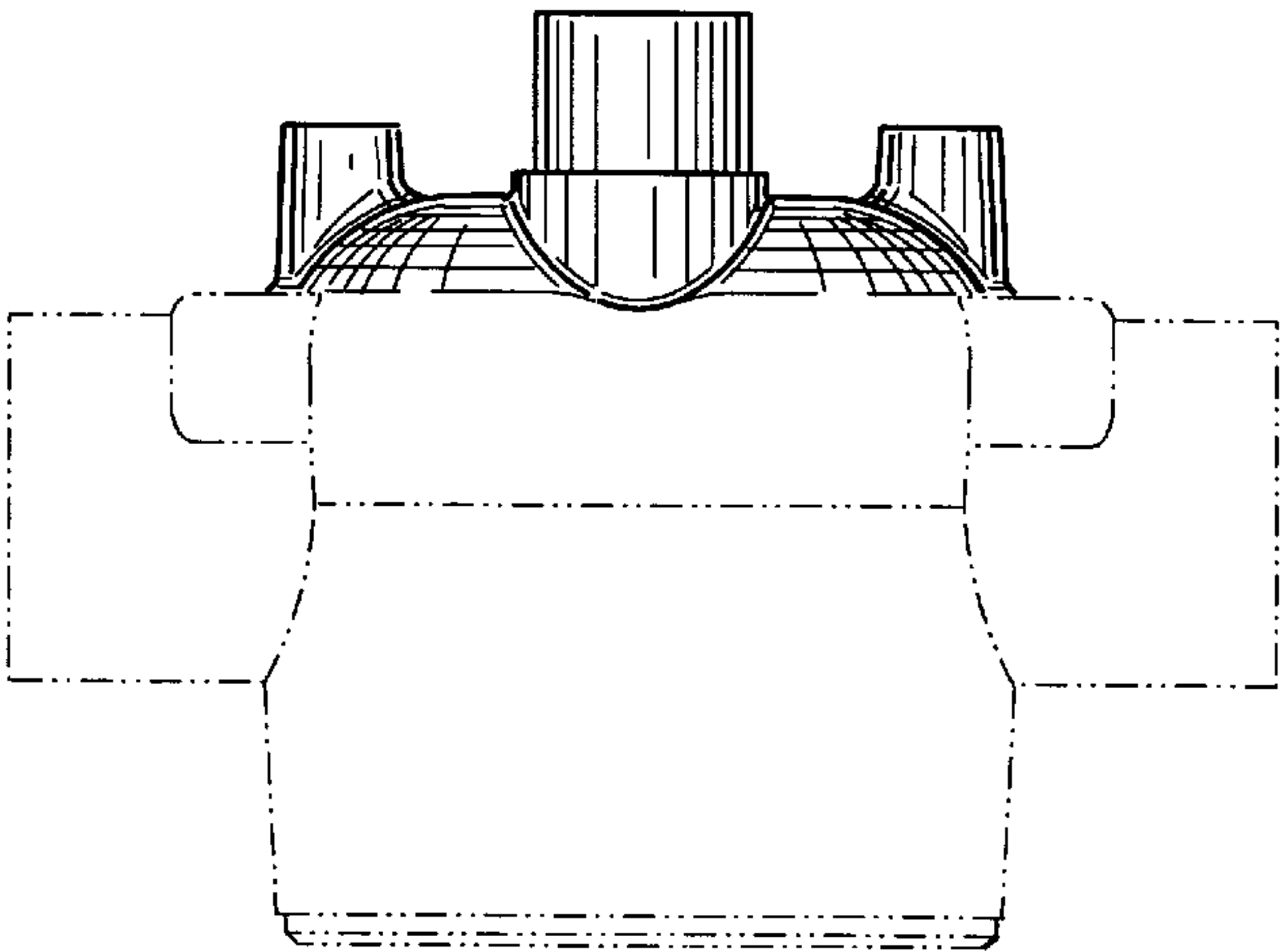


FIG. 13

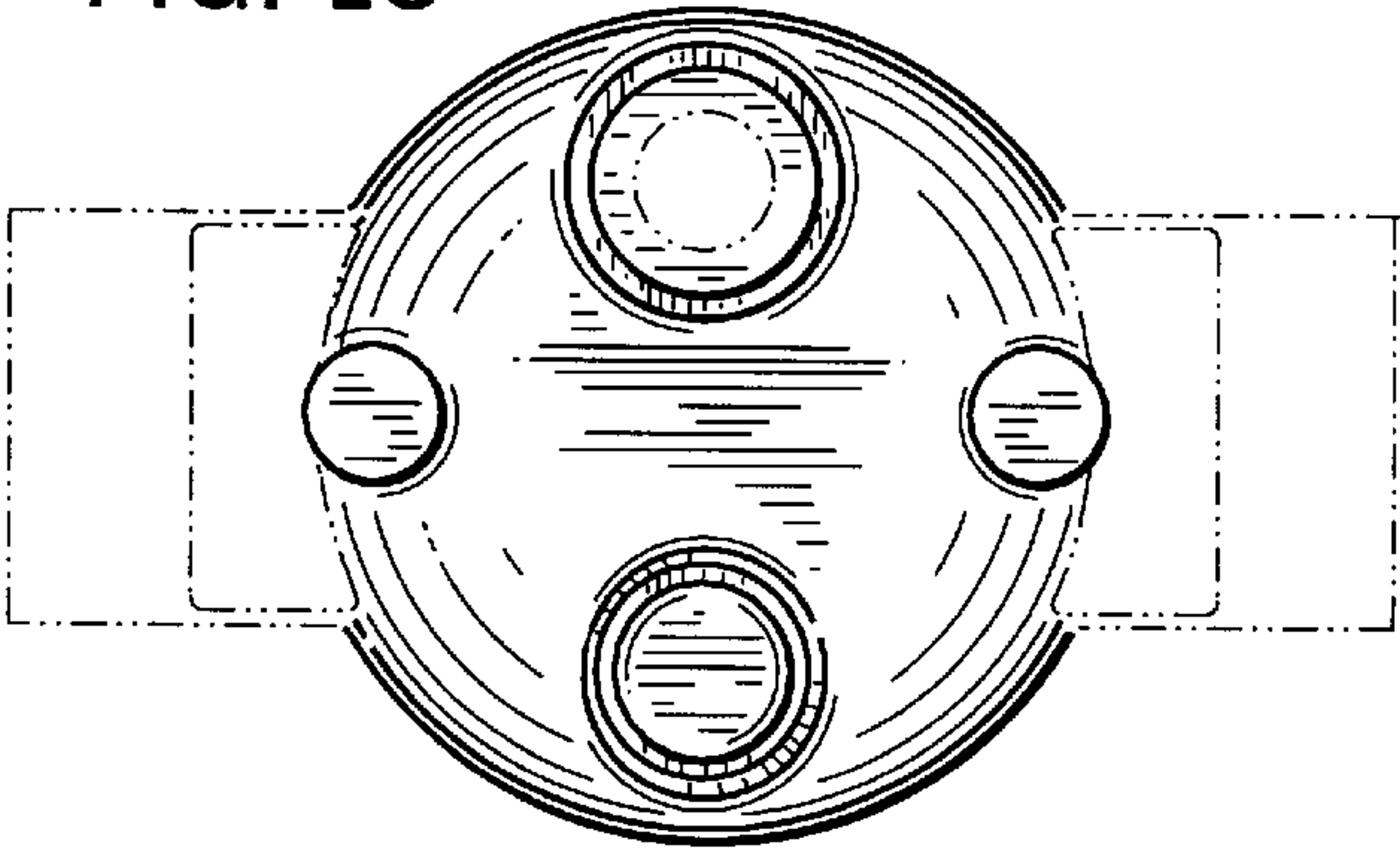


FIG. 14

