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

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(54) **HOSE CONNECTOR**

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(73) Assignee: **Rockler Companies, Inc.**, Medina, MN (US)

(**) Term: **15 Years**

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(51) **LOC (13) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/262**

(58) **Field of Classification Search**
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137/15.09, 561 A, 614.04; 138/37, 39,
138/44, 109; D24/108, 129; 285/125.1,
285/126.1, 127.2, 129.1, 130.1–131.1,
285/132.1, 148.1, 5–6, 18–20, 27, 29, 61,
285/111, 305, 321
CPC F16L 41/14
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 2,874,979 A * 2/1959 Elliot Shohan F16L 37/54
285/6
- 3,331,620 A * 7/1967 Rickard F16L 37/54
285/5
- 3,425,632 A * 2/1969 Stout B05B 15/622
239/267
- 3,471,173 A * 10/1969 Rickard F16L 27/127
285/6
- 3,664,688 A * 5/1972 De Loach F16L 37/54
285/6

- 3,734,545 A * 5/1973 Stout F16L 37/008
285/5
- 3,735,928 A * 5/1973 Watts F16L 37/146
239/267
- 4,135,738 A * 1/1979 Clements F16L 27/087
239/734
- D402,012 S * 12/1998 Clivio D23/262

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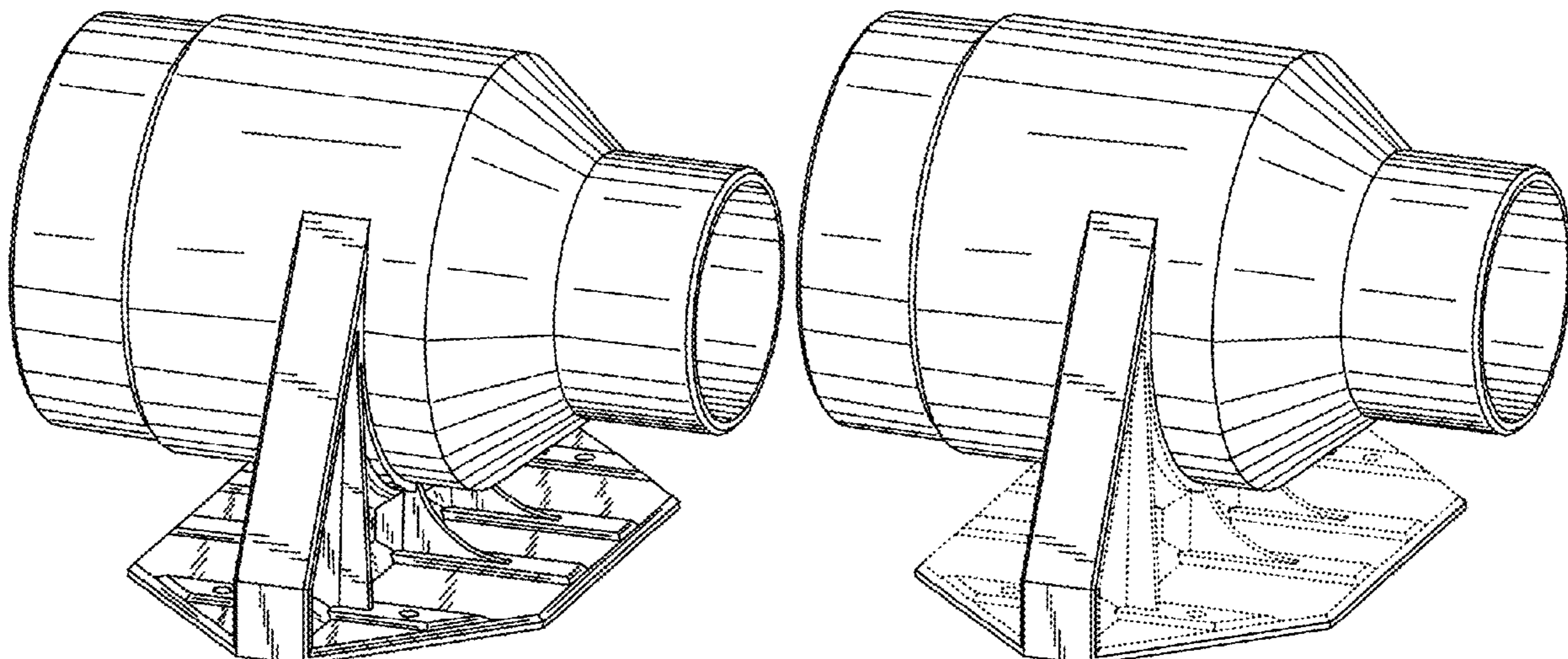
(57) **CLAIM**

The ornamental design for a hose connector, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a hose connector showing our new design;
 FIG. 2 is an end view of the hose connector thereof (as taken from the left end of the connector in FIG. 1);
 FIG. 3 is an end view of the hose connector thereof (as taken from the right end of the connector in FIG. 1);
 FIG. 4 is a front view of the hose connector thereof;
 FIG. 5 is a rear view of the hose connector thereof;
 FIG. 6 is a top view of the hose connector thereof;
 FIG. 7 is a bottom view of the hose connector of thereof;
 FIG. 8 is perspective view of a second embodiment of a hose connector;
 FIG. 9 is an end view of FIG. 8 (as taken from the left end of the connector in FIG. 8);
 FIG. 10 is an end view of FIG. 8 (as taken from the right end of the connector in FIG. 8);
 FIG. 11 is a front view of FIG. 8;
 FIG. 12 is a rear view of FIG. 8;
 FIG. 13 is a top view of FIG. 8; and,
 FIG. 14 is a bottom view of FIG. 8.
 The broken lines in FIGS. 8-14 illustrate portions of the hose connector that form no part of the claim.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

9,074,714 B2 * 7/2015 Clare F16L 47/12
D744,812 S * 12/2015 Wilson D8/349
9,765,913 B2 * 9/2017 Magargal F16L 41/14

* cited by examiner

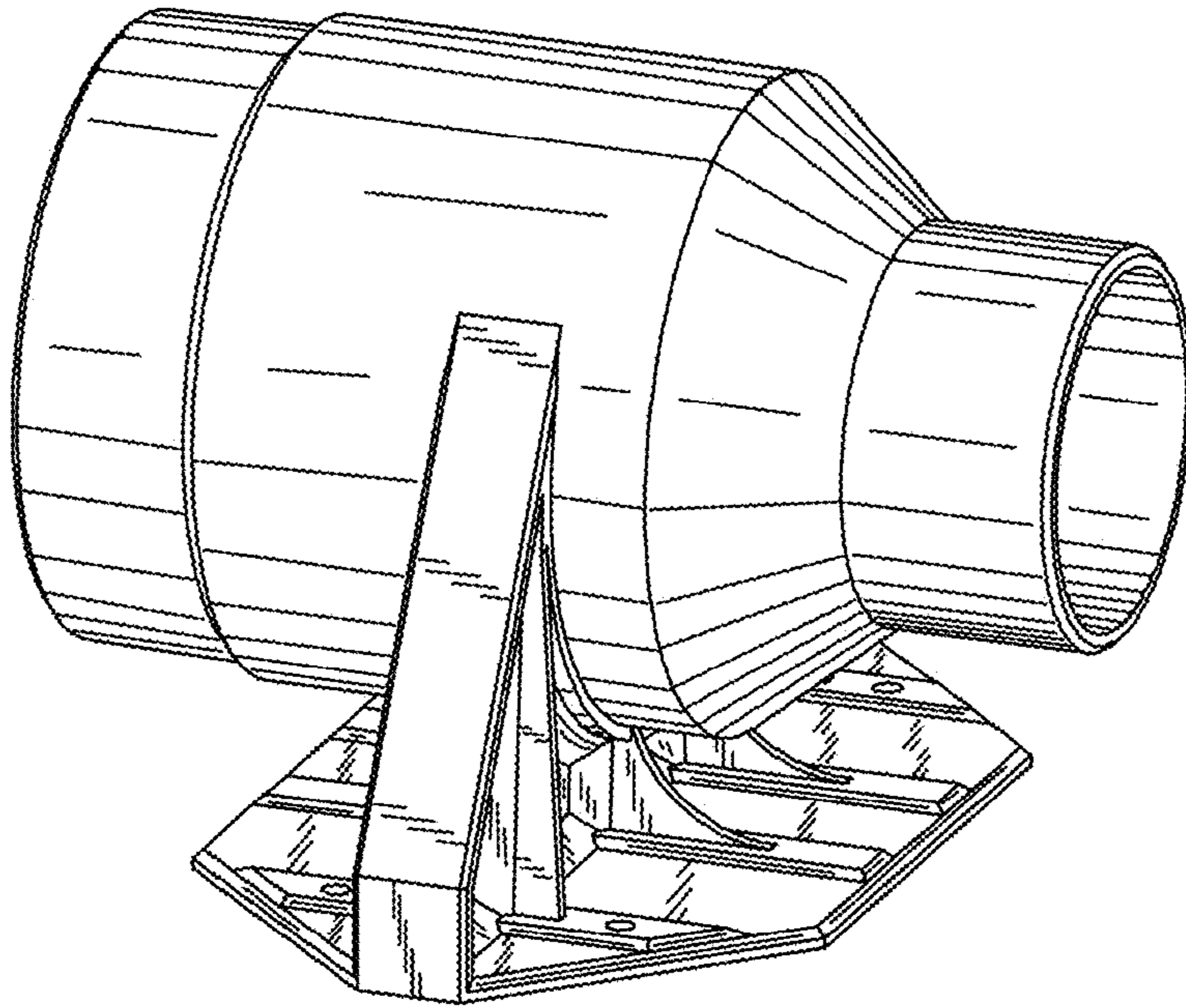


FIG. 1

FIG. 2

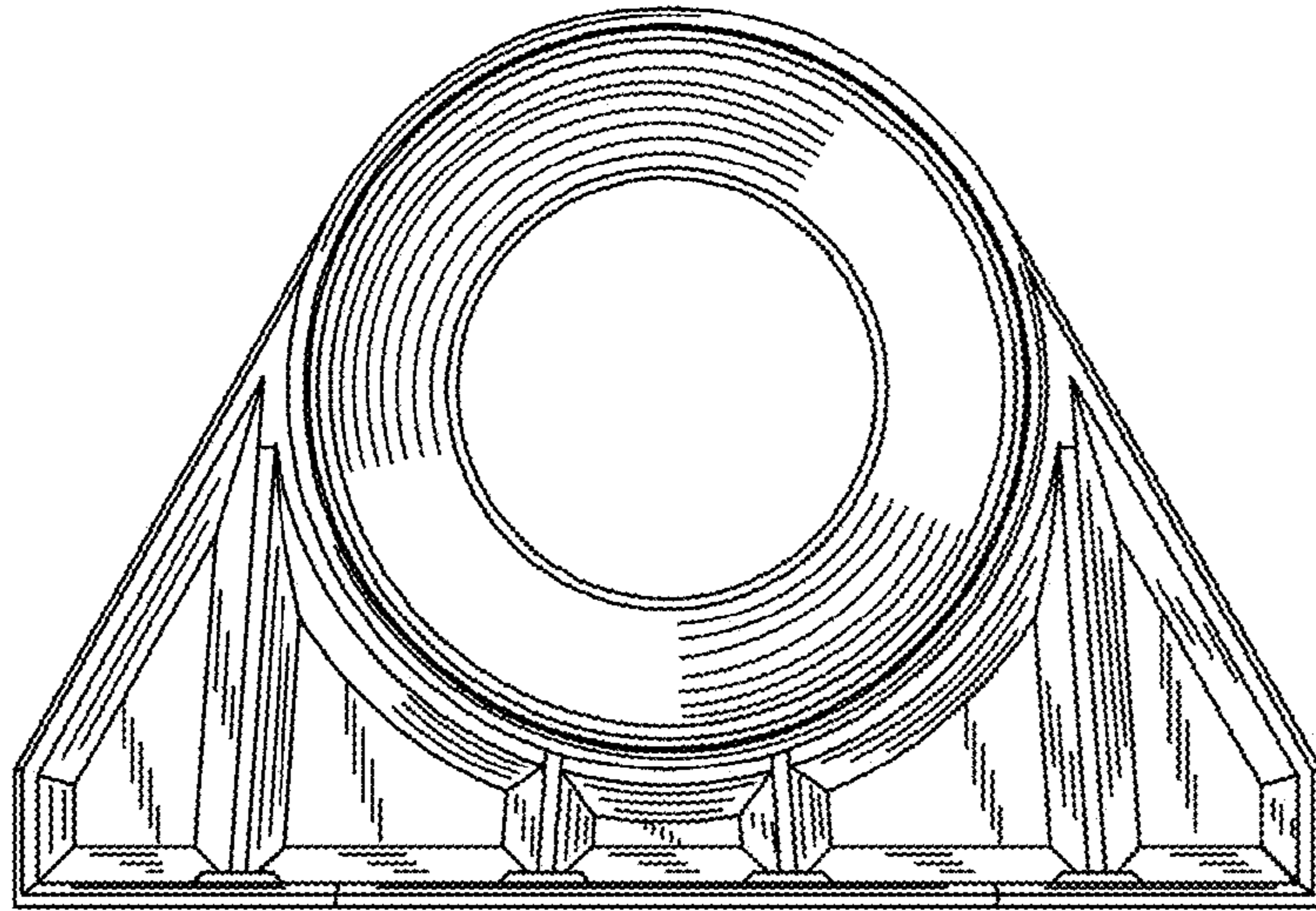
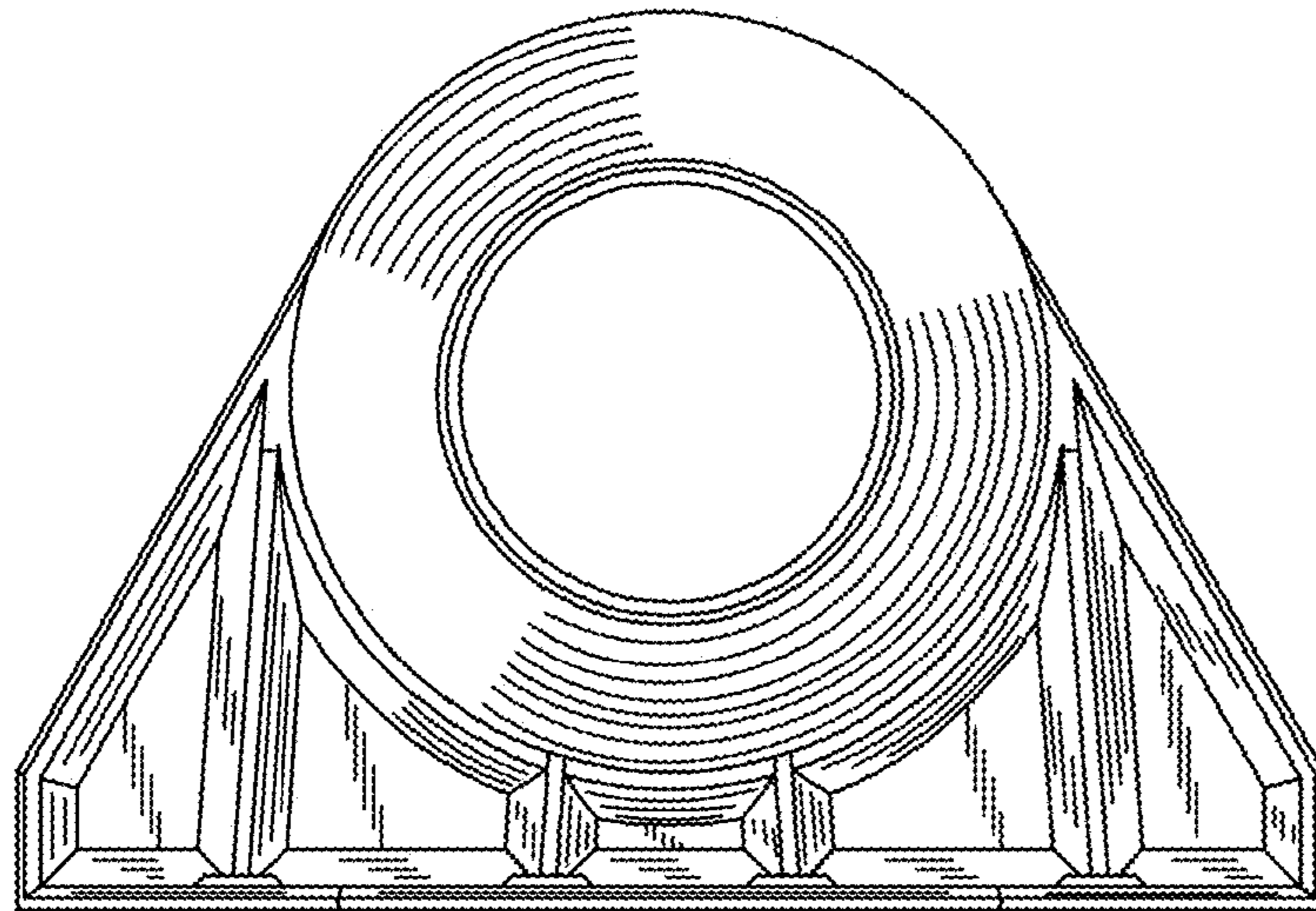


FIG. 3



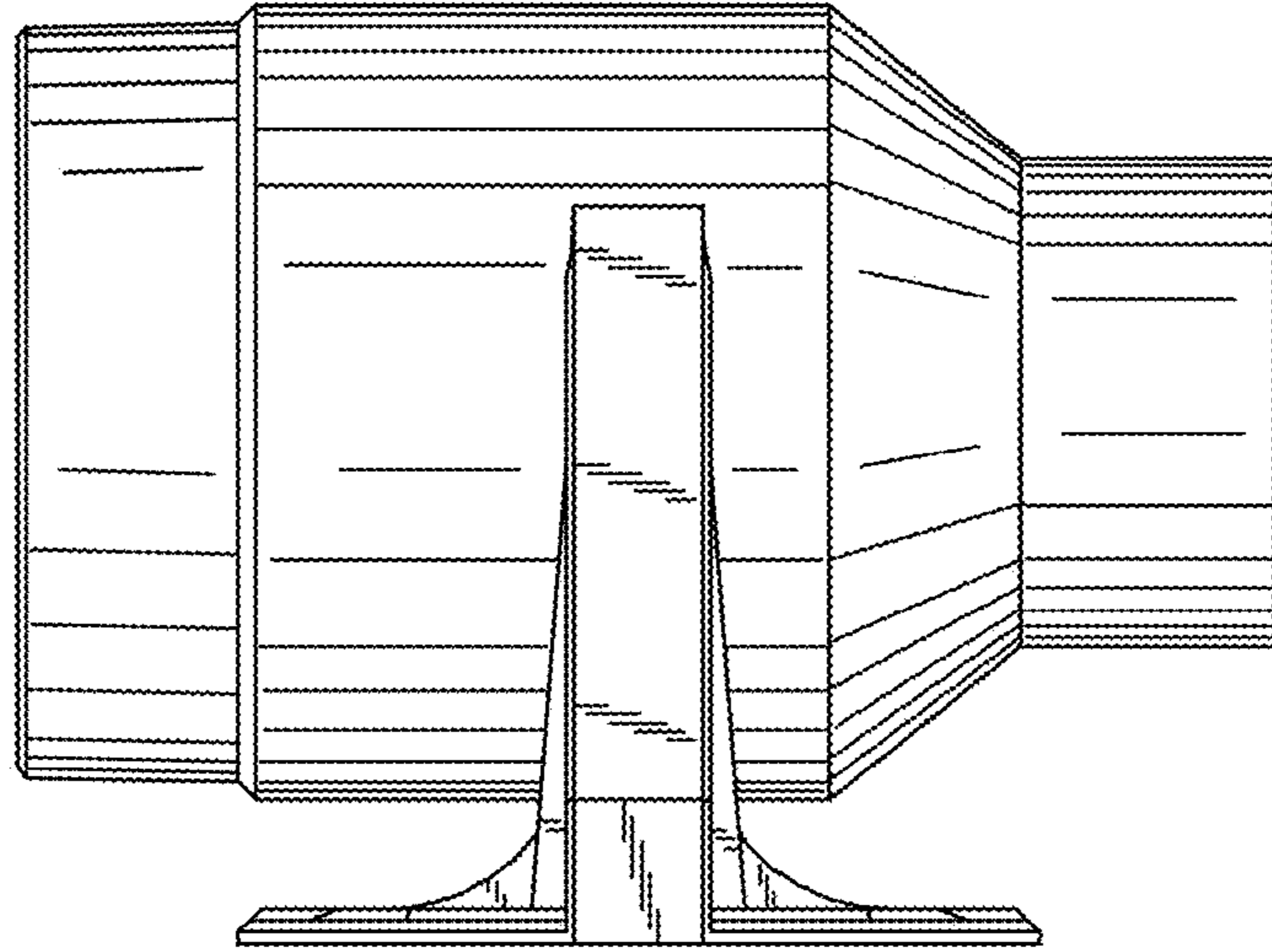


FIG. 4

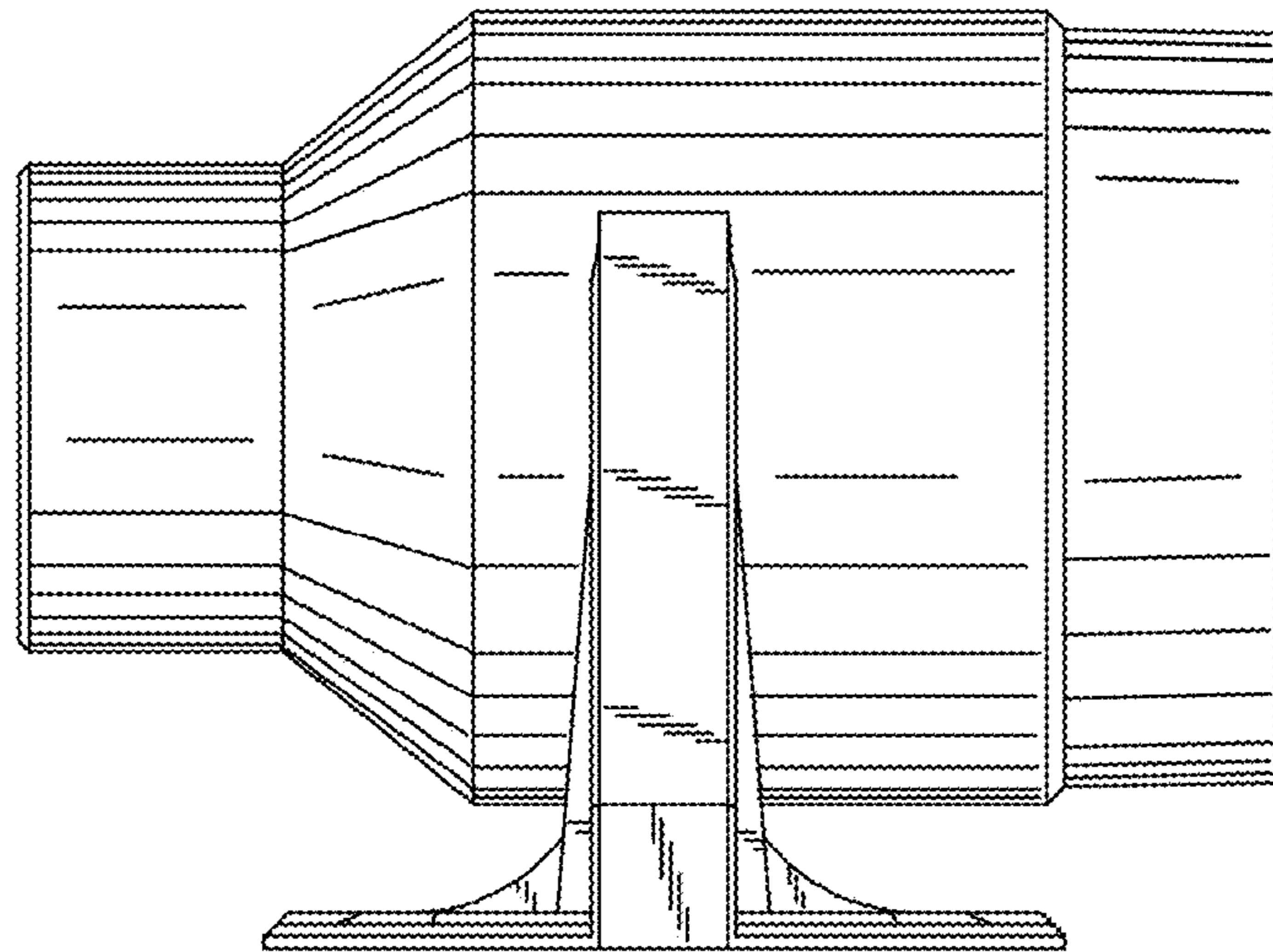


FIG. 5

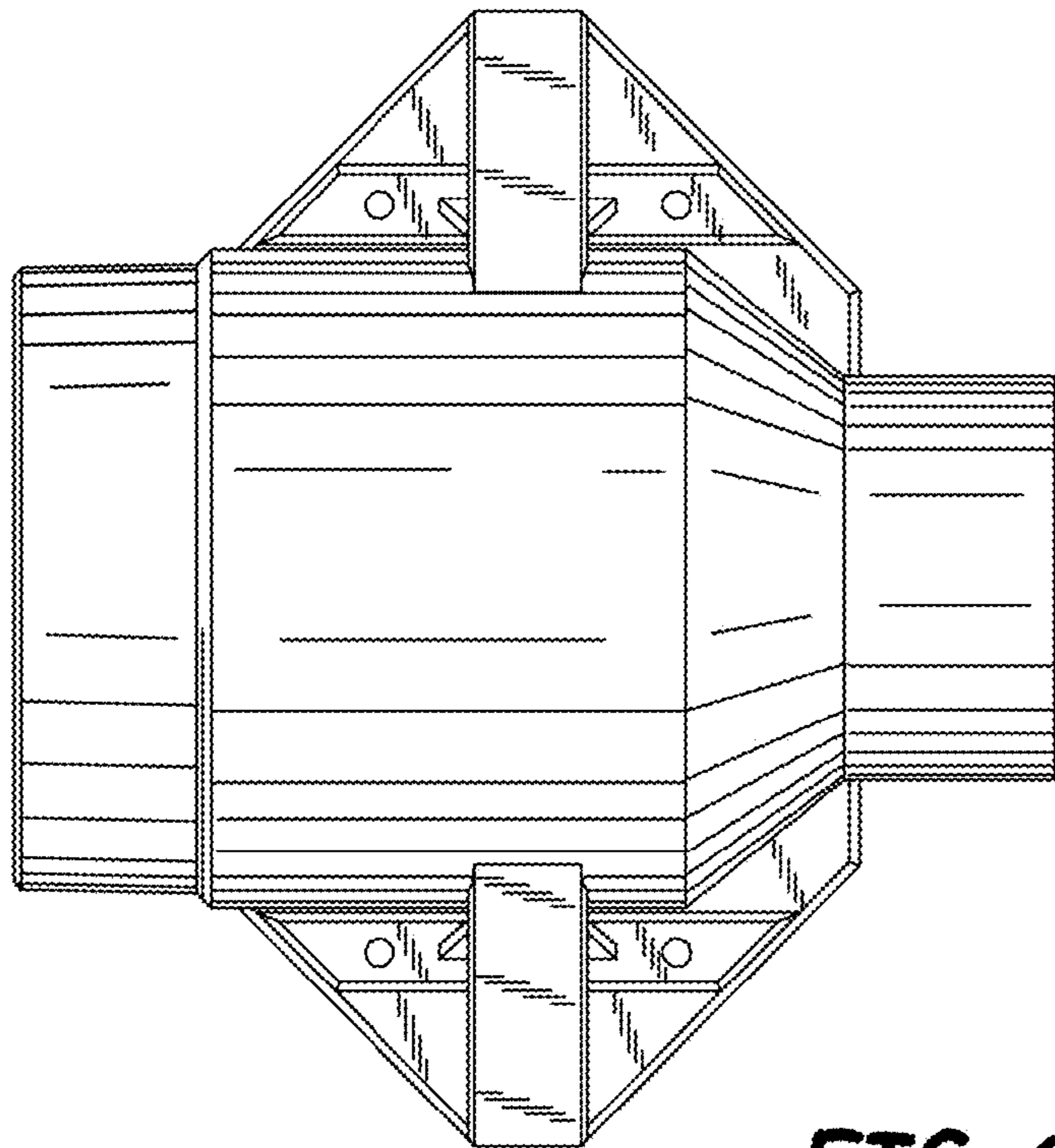


FIG. 6

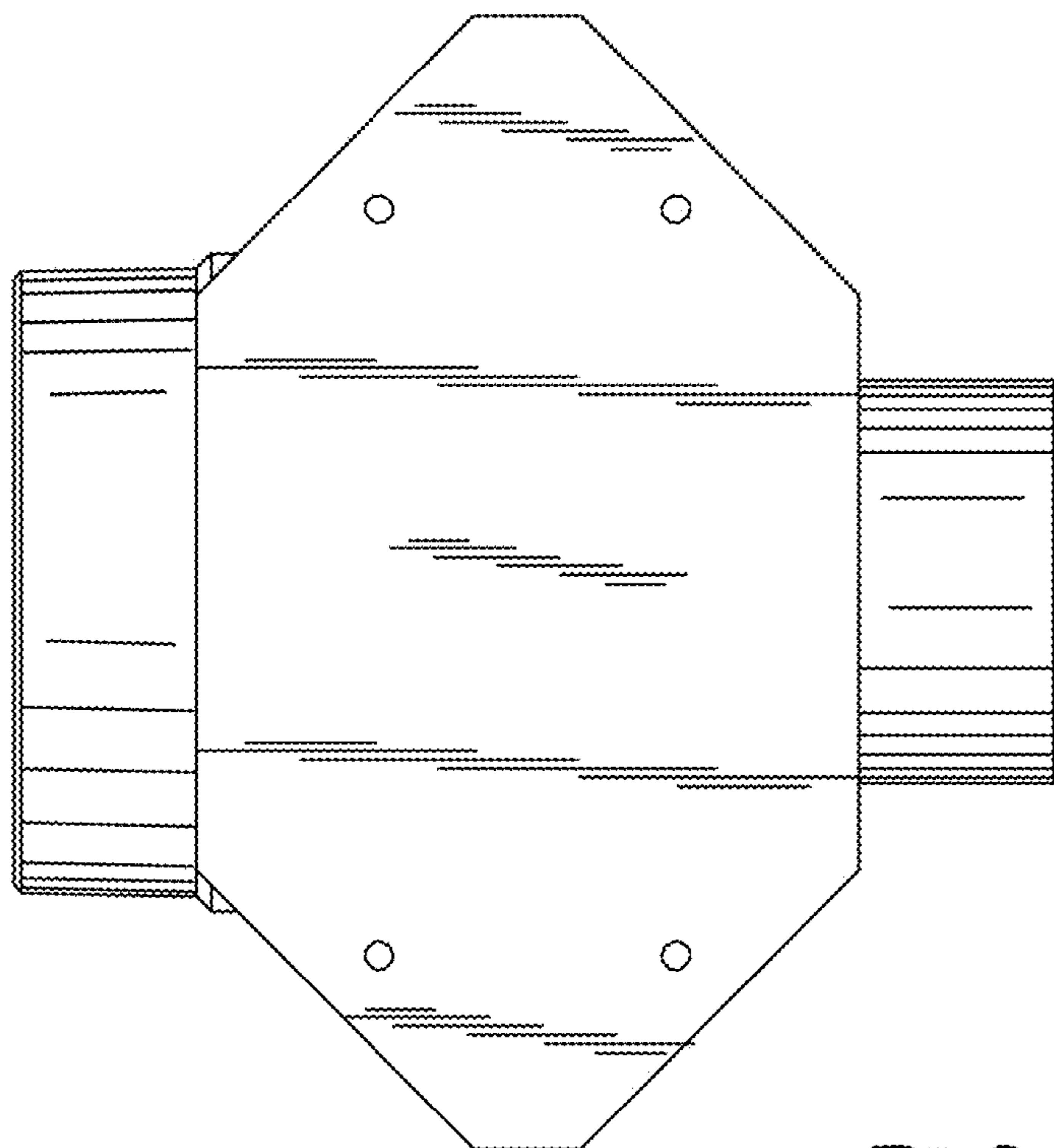


FIG. 7

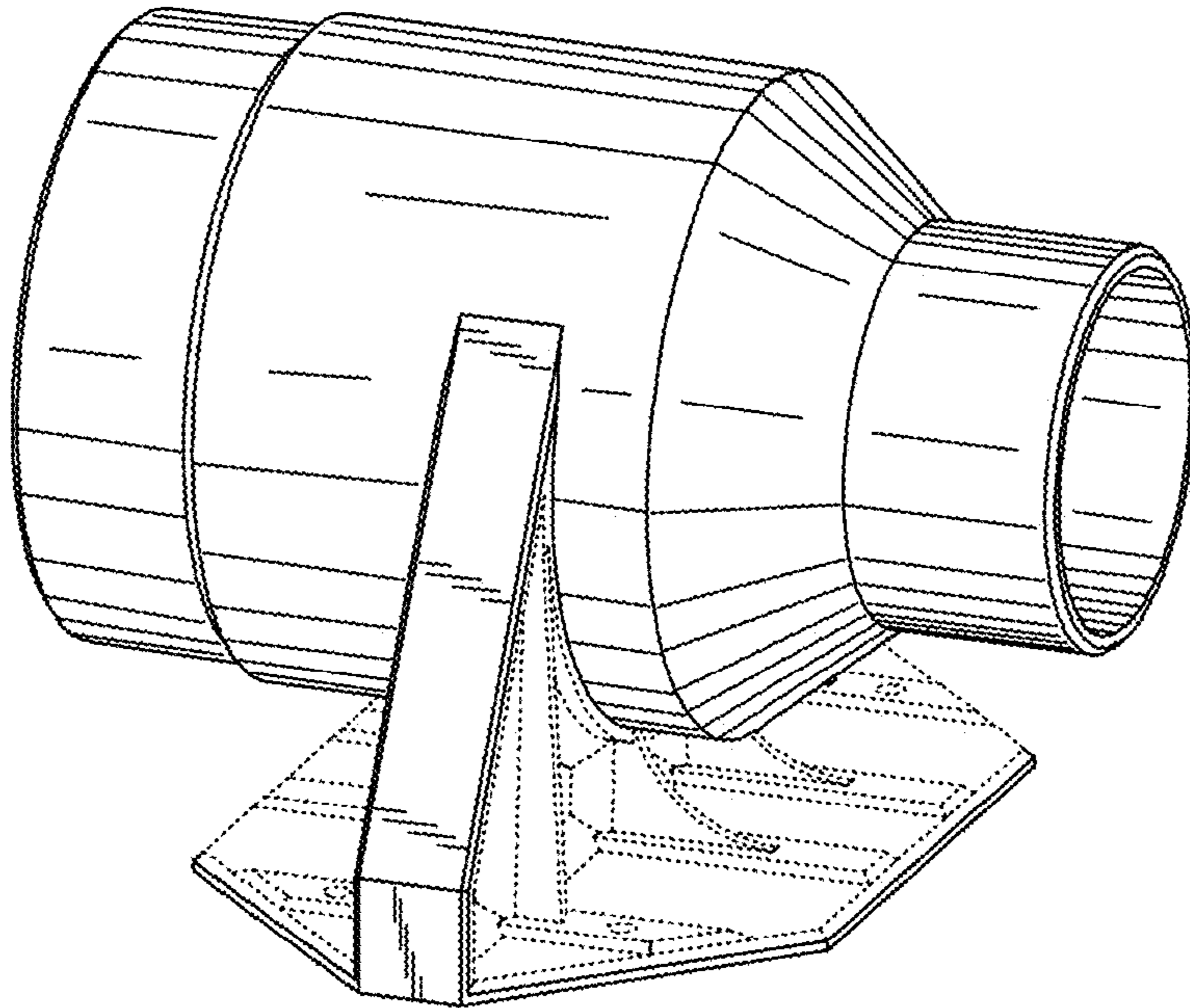


FIG. 8

FIG. 9

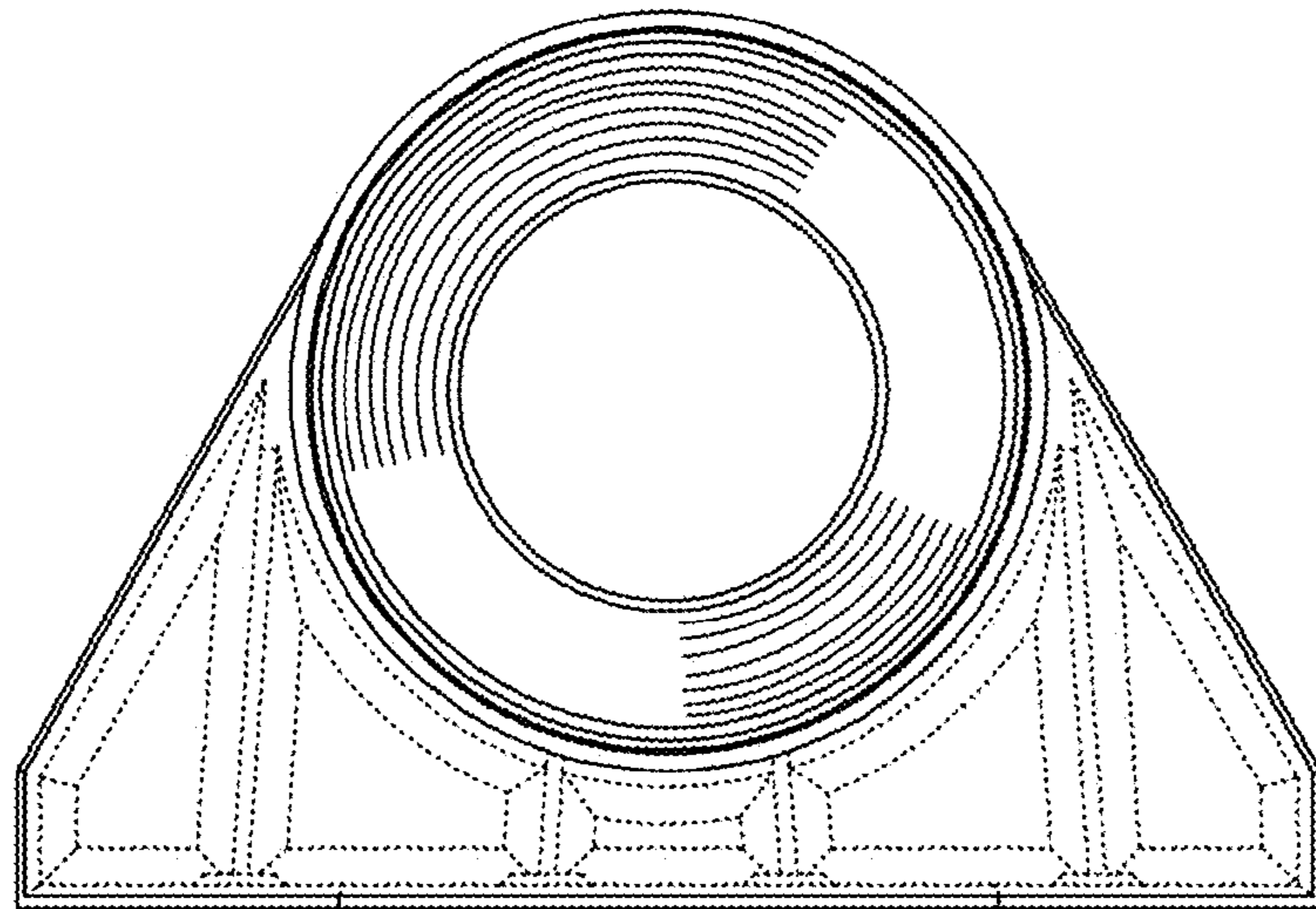
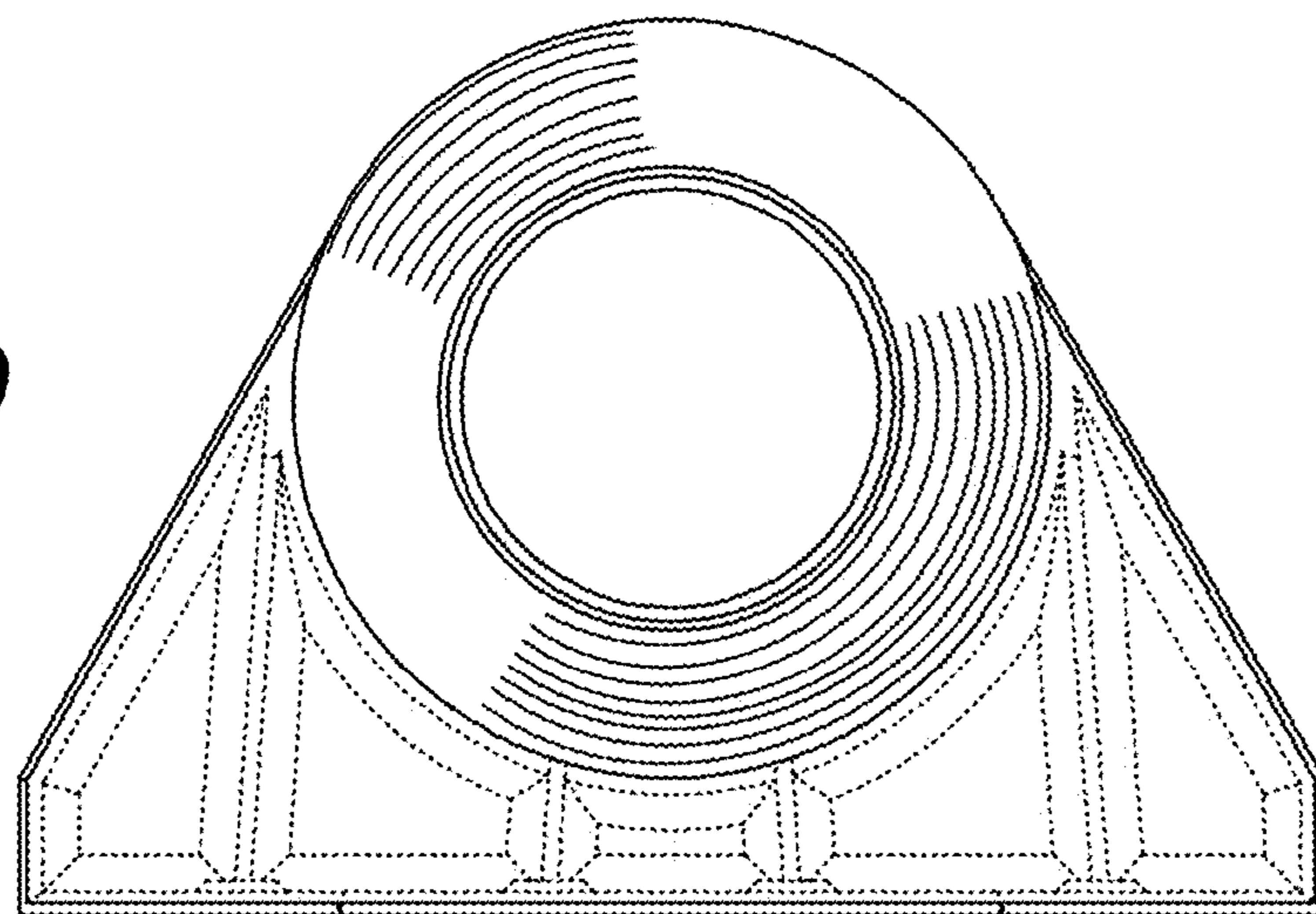


FIG. 10



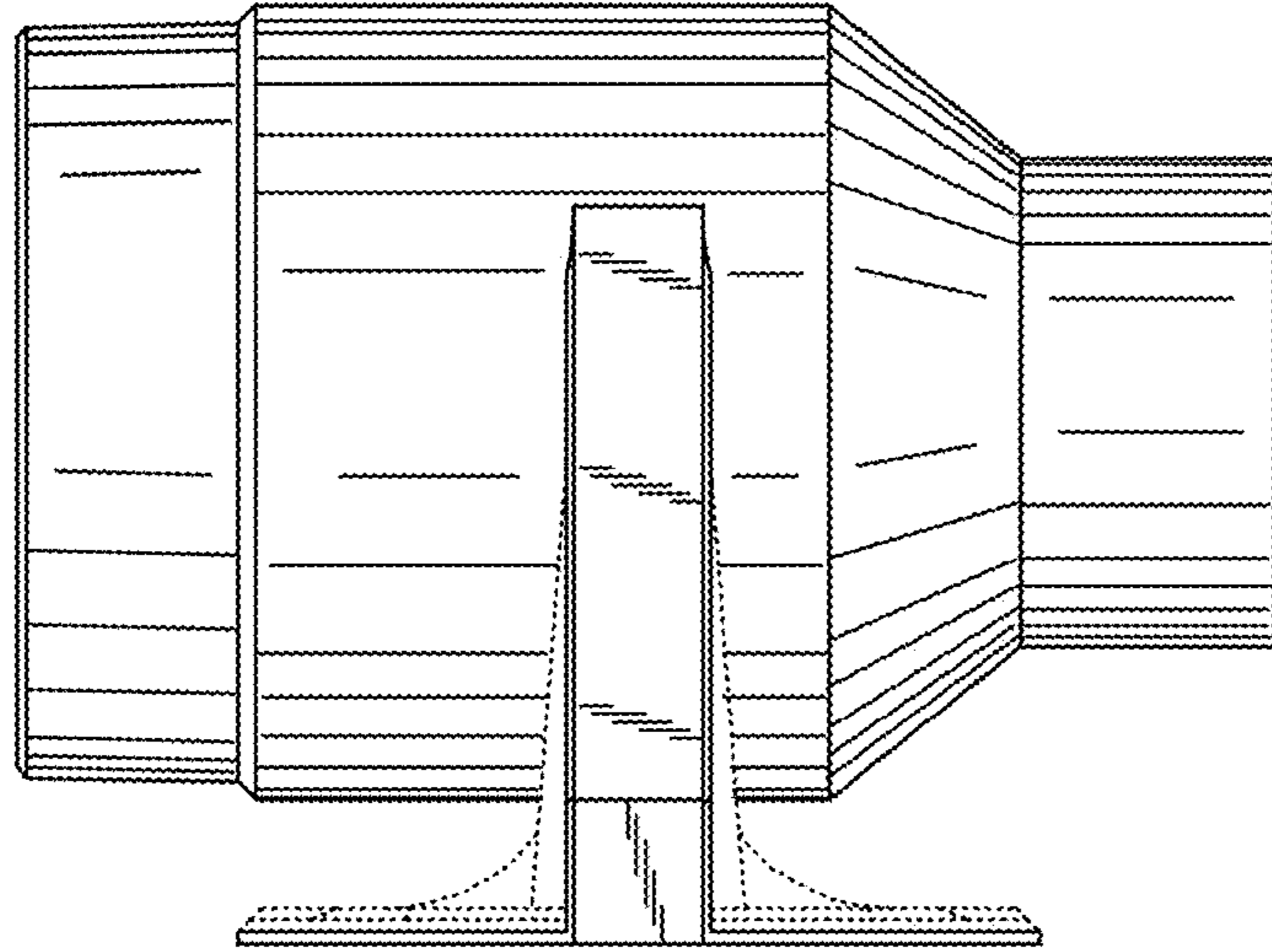


FIG. 11

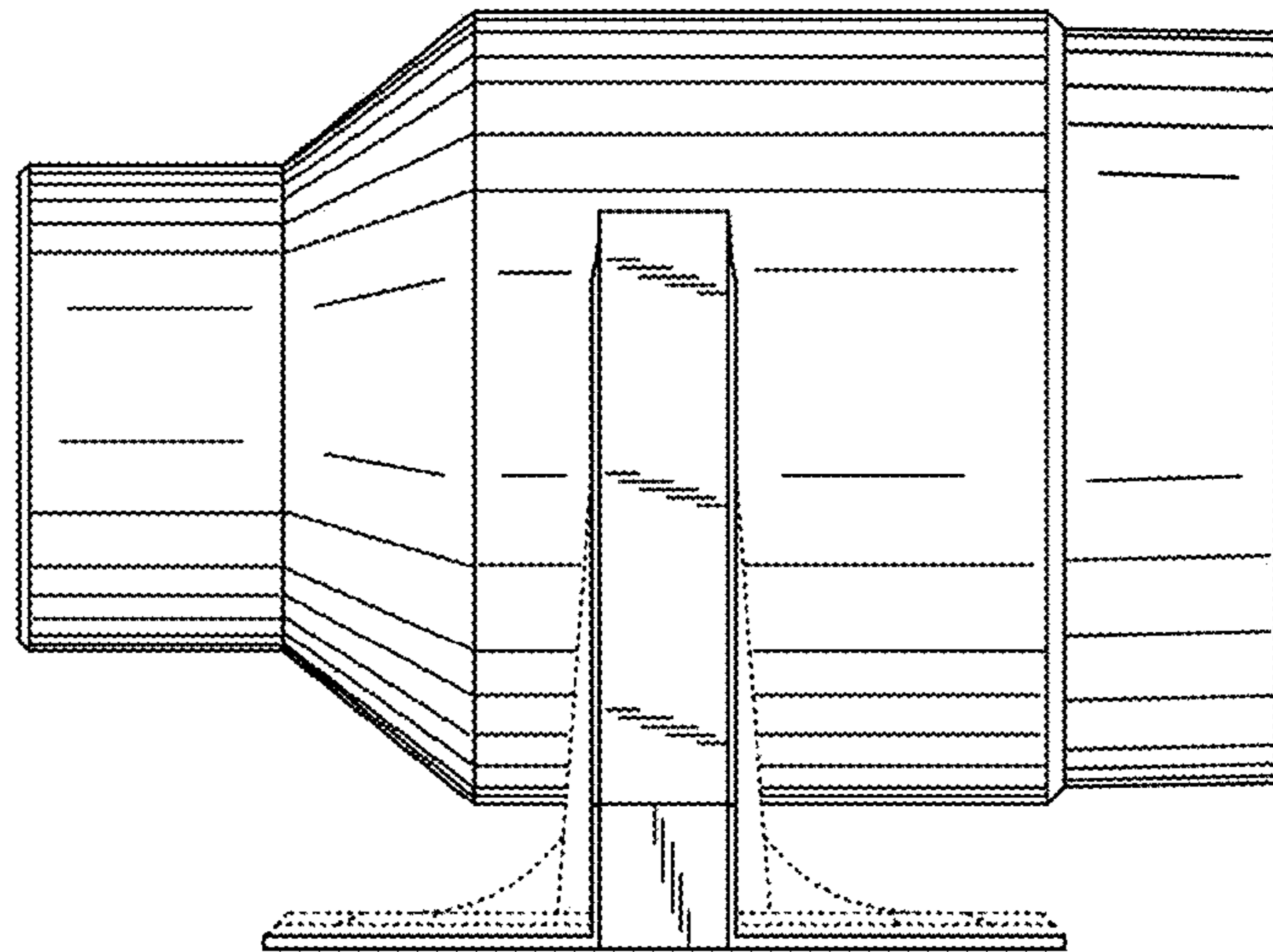


FIG. 12

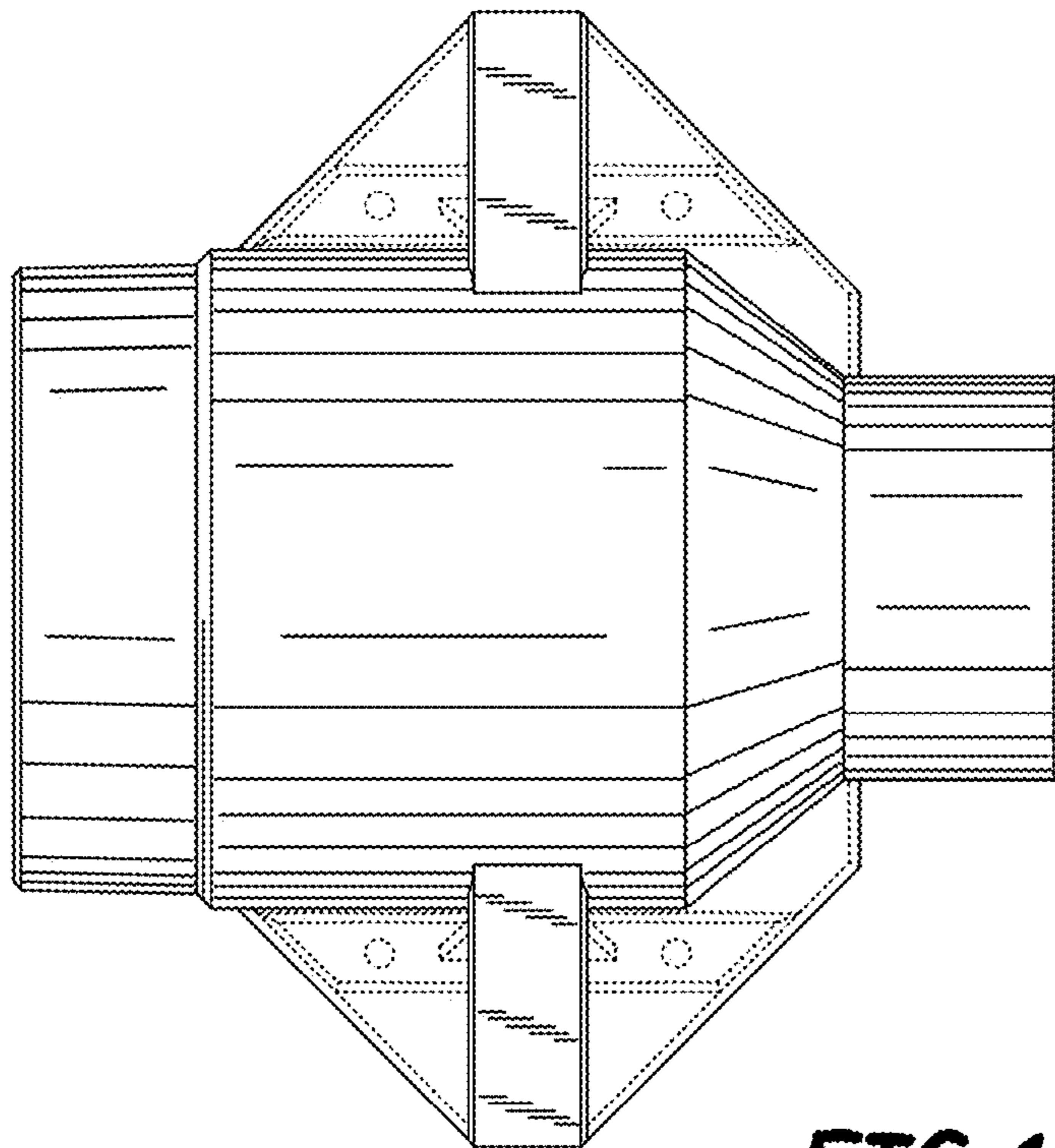


FIG. 13

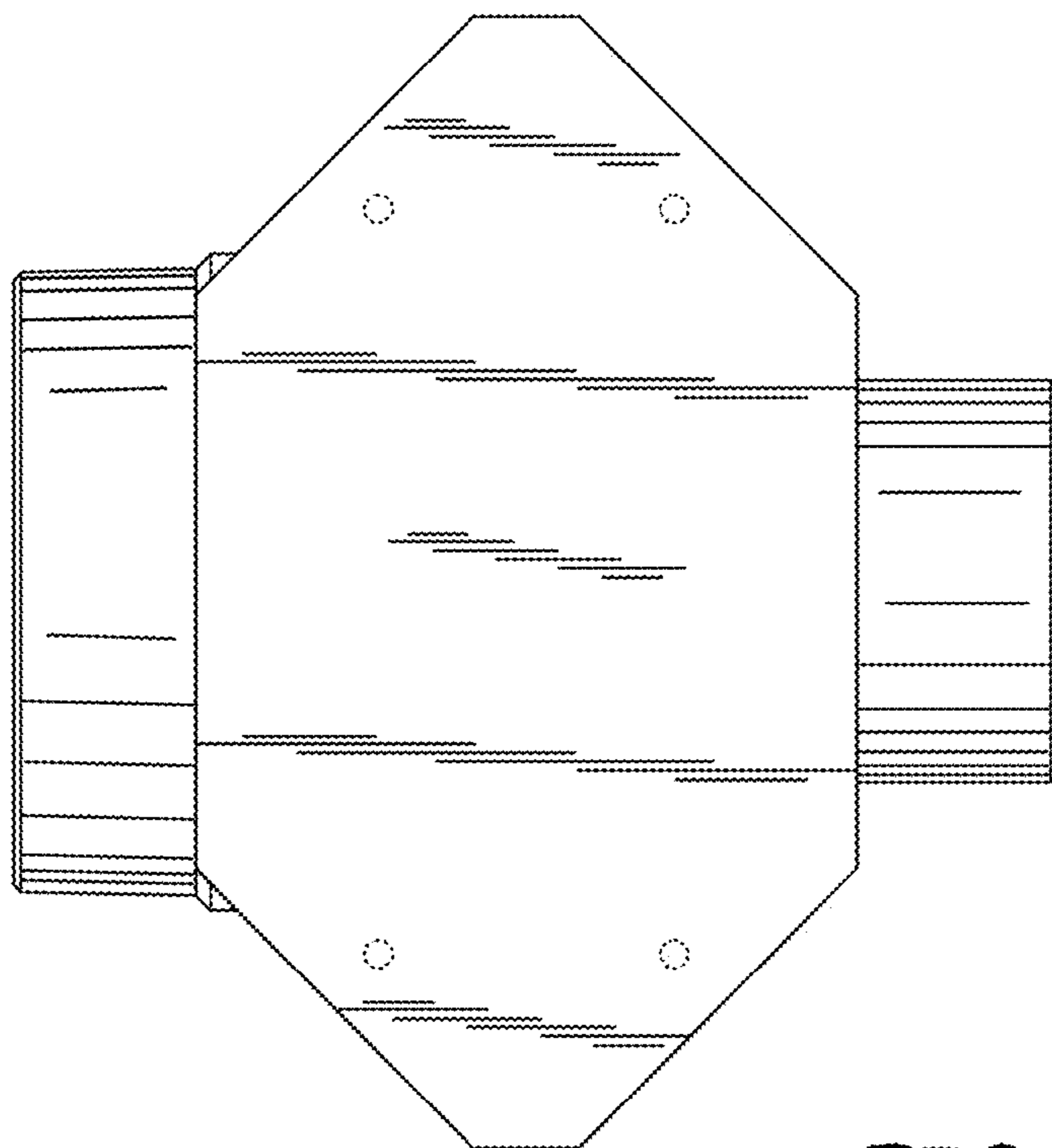


FIG. 14