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

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(54) **HOSE CONNECTOR**

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

(21) Appl. No.: **29/685,080**

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

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

(58) **Field of Classification Search**  
USPC ..... D23/233, 235, 248, 259, 262–266, 268;  
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  
(Continued)

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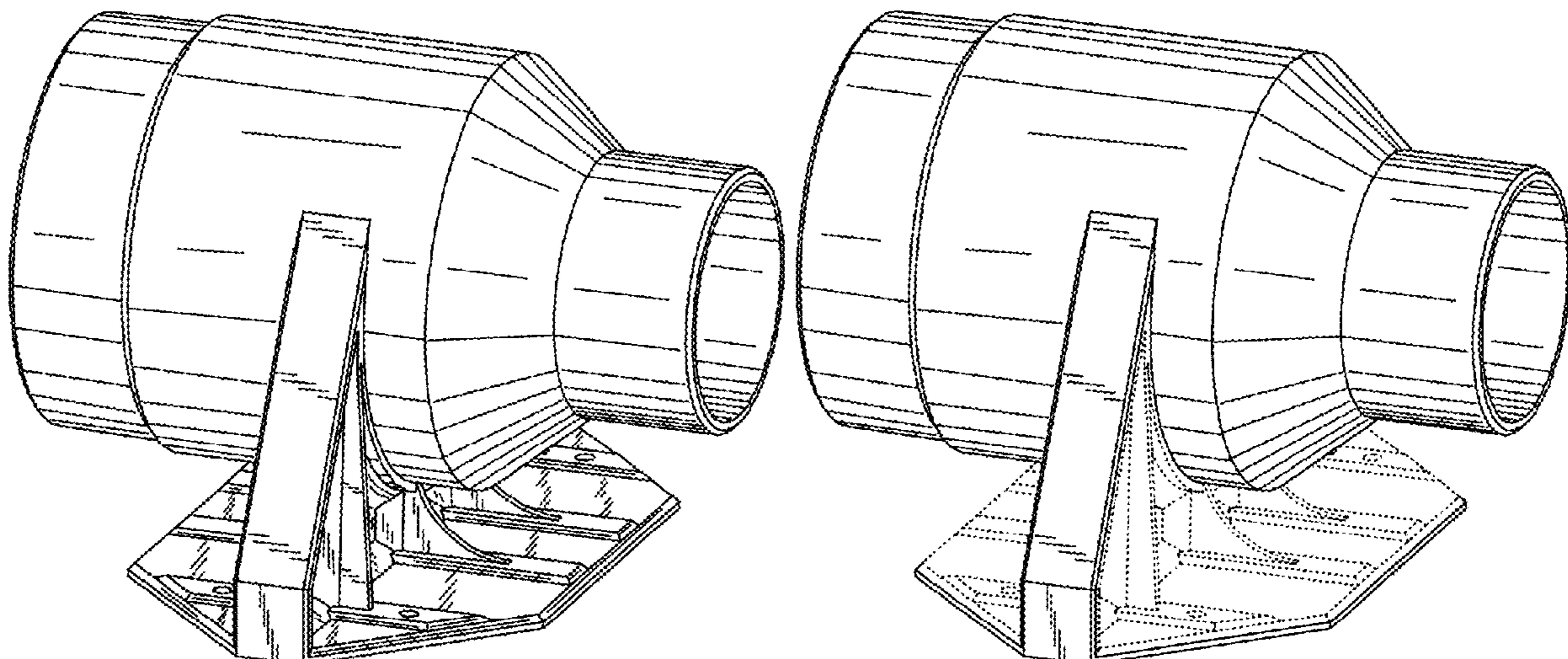
(57) **CLAIM**

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**



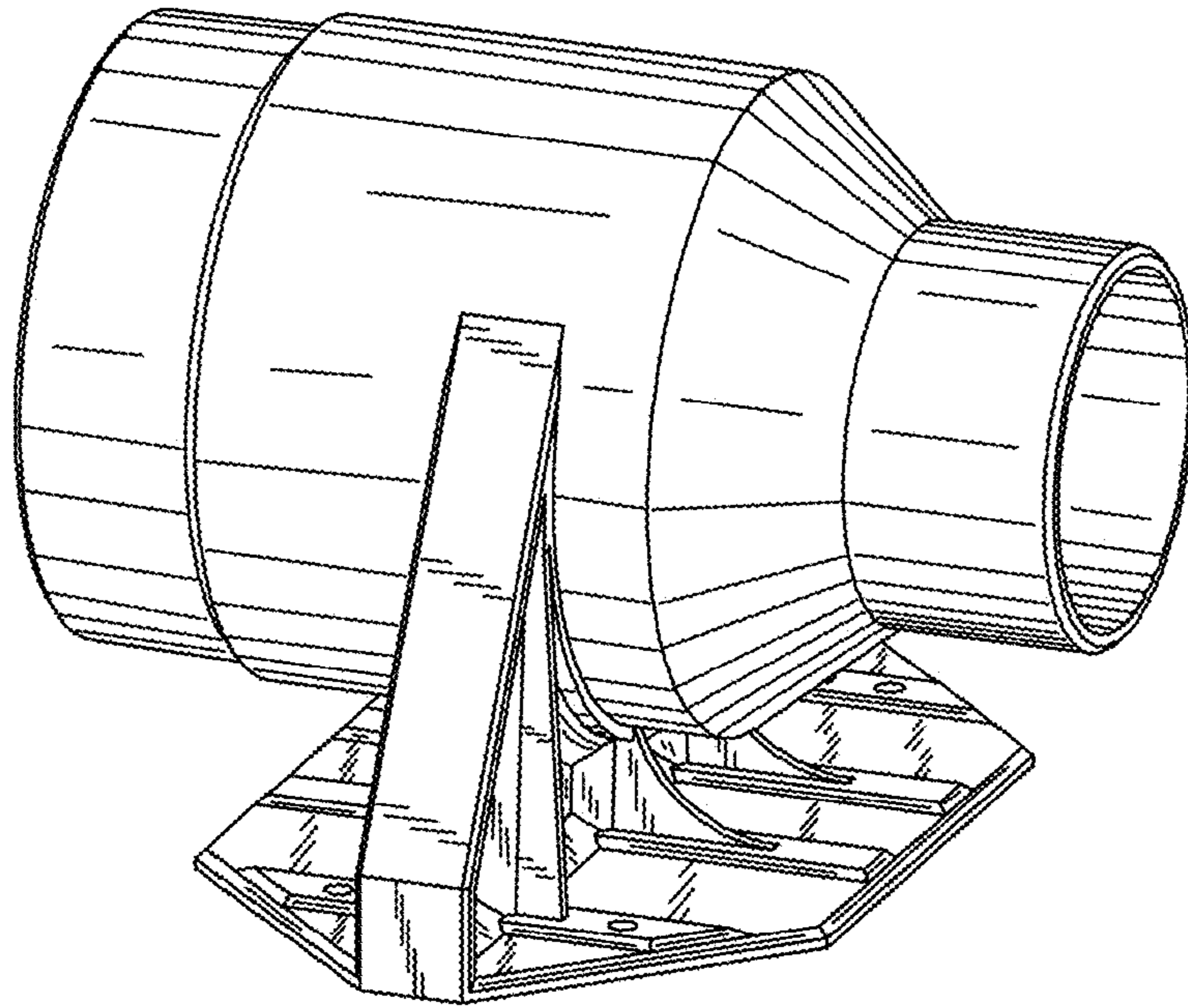
(56)

**References Cited**

U.S. PATENT DOCUMENTS

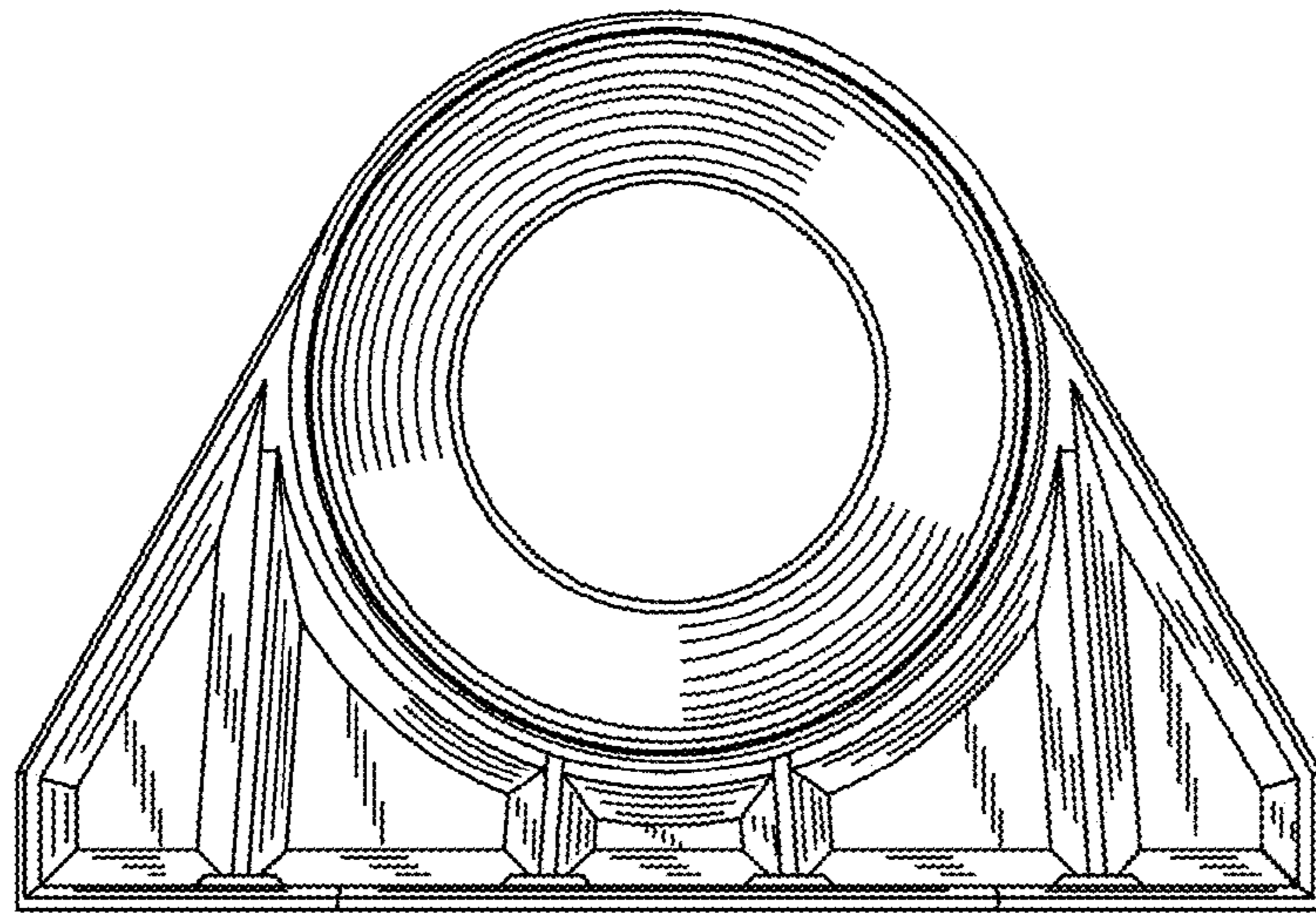
9,074,714 B2 \* 7/2015 Clare ..... F16L 47/12  
D744,812 S \* 12/2015 Wilson ..... D8/349  
9,765,913 B2 \* 9/2017 Magargal ..... F16L 41/14

\* cited by examiner

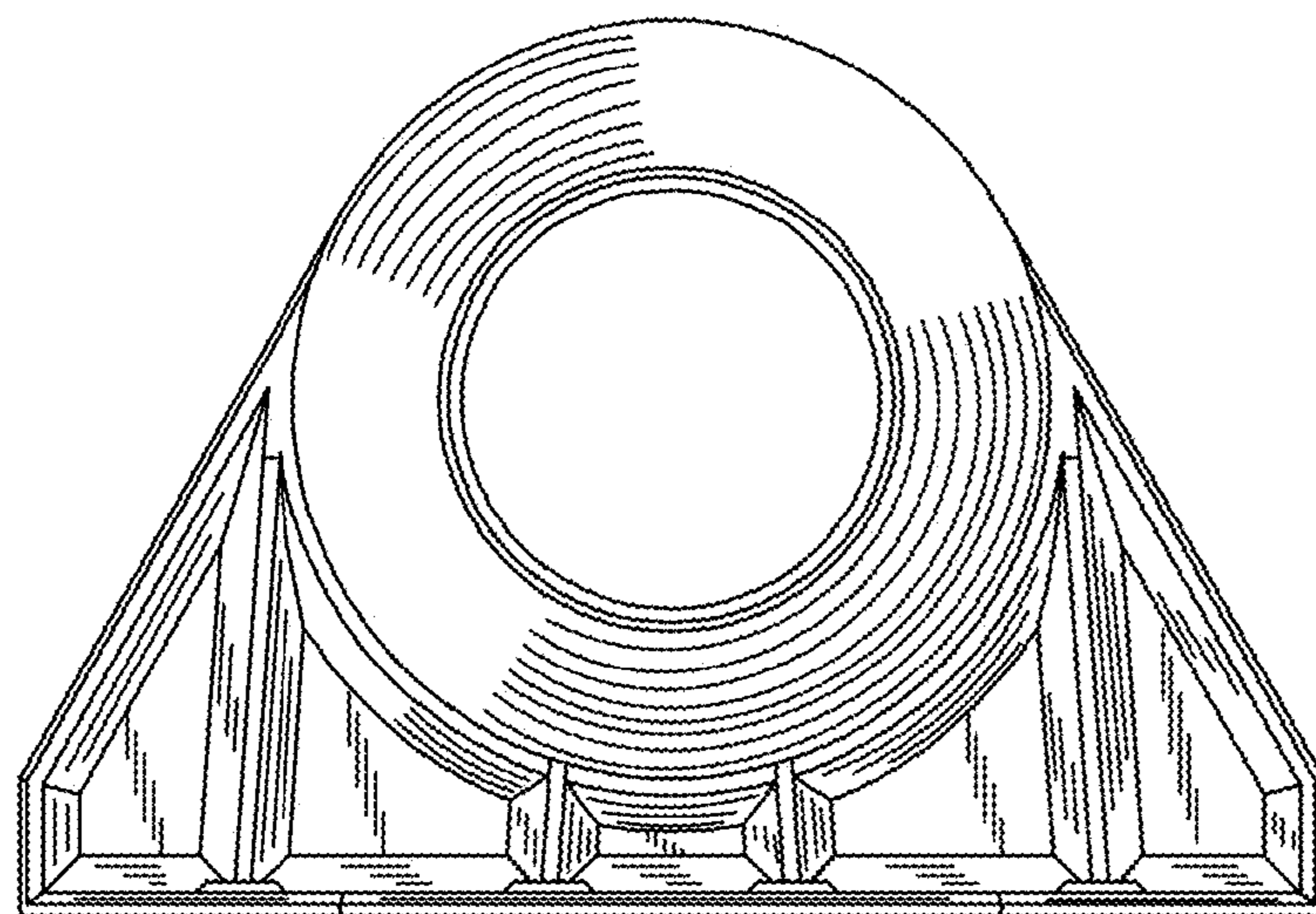


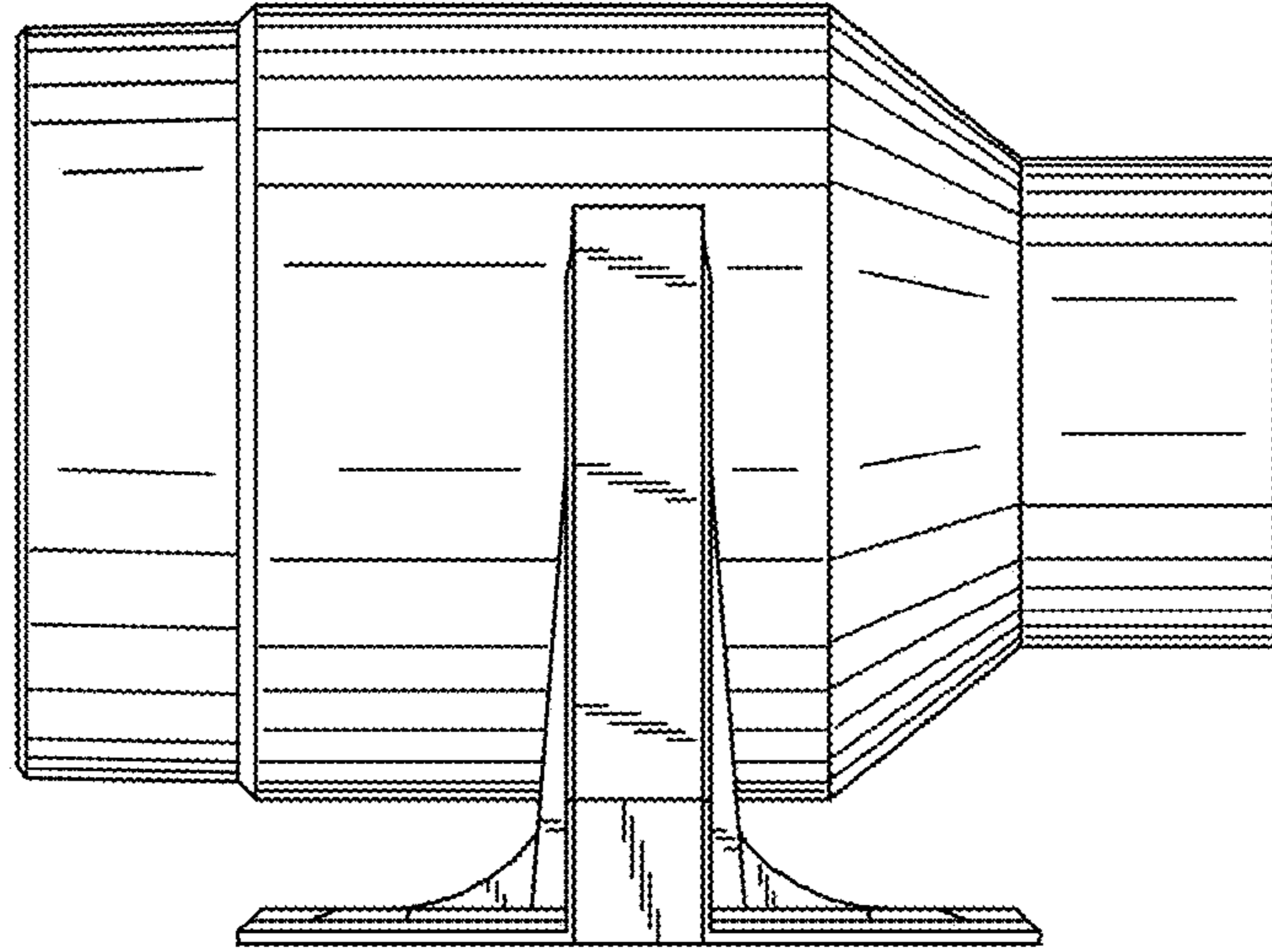
**FIG. 1**

**FIG. 2**

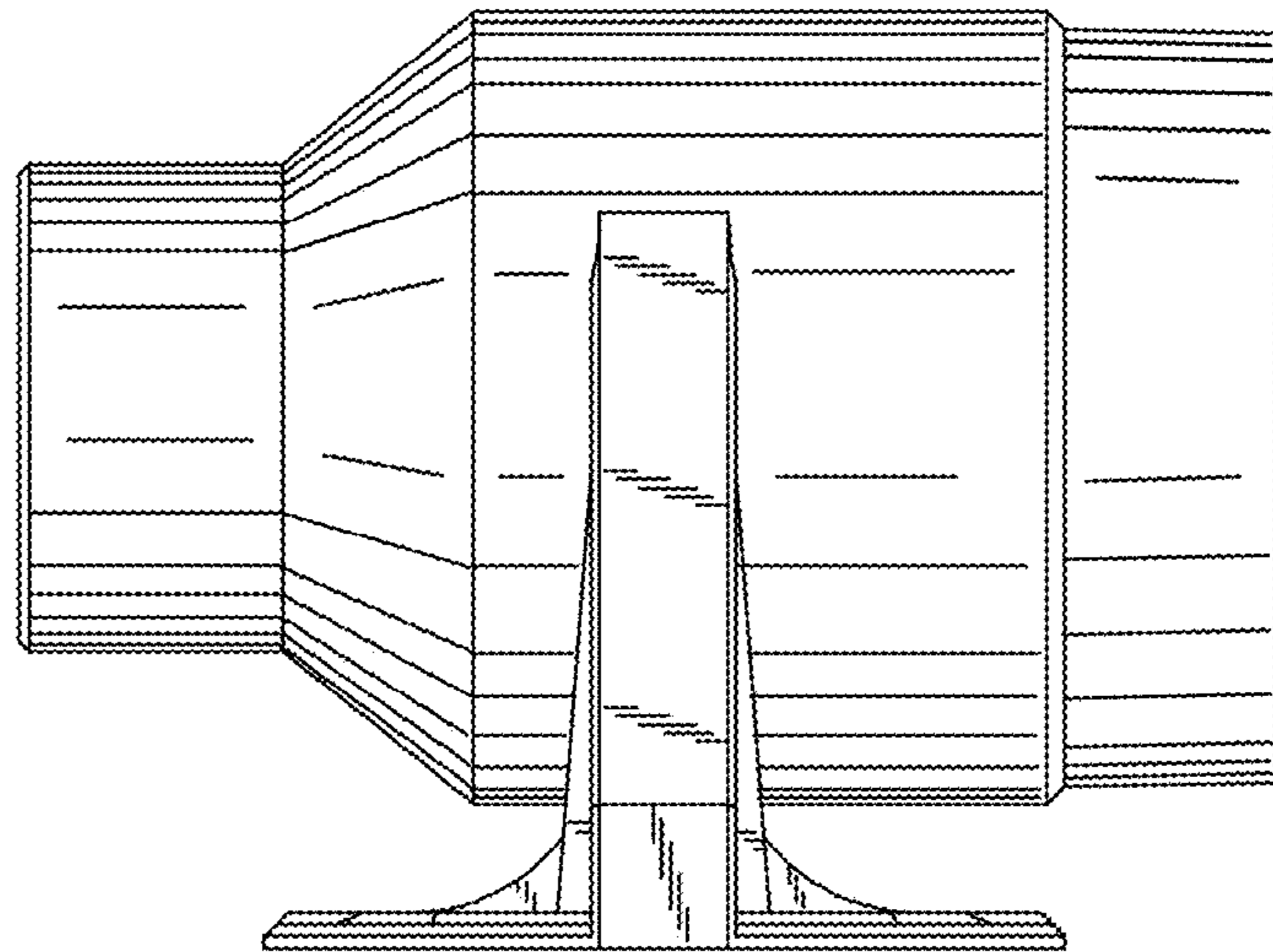


**FIG. 3**

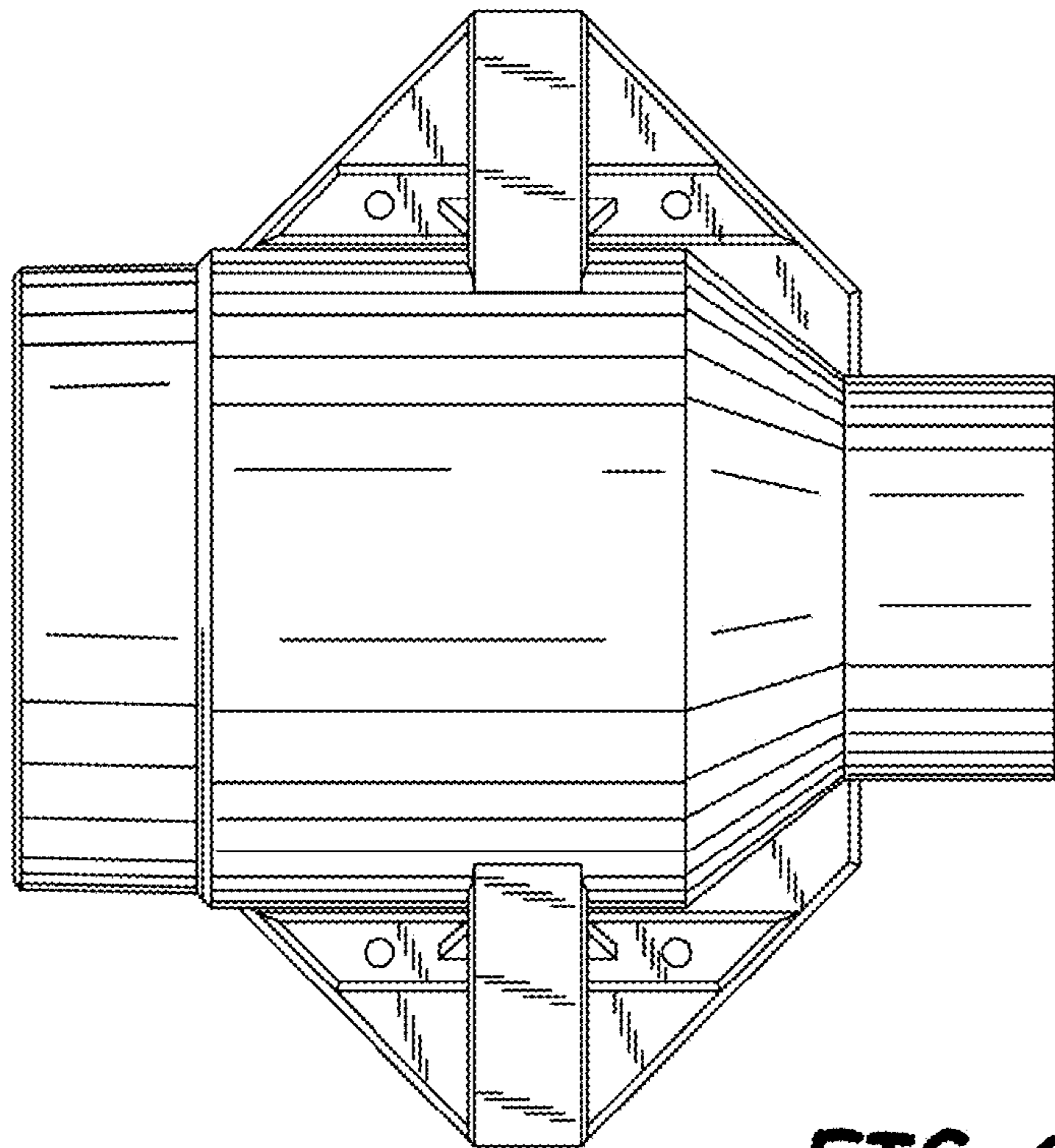




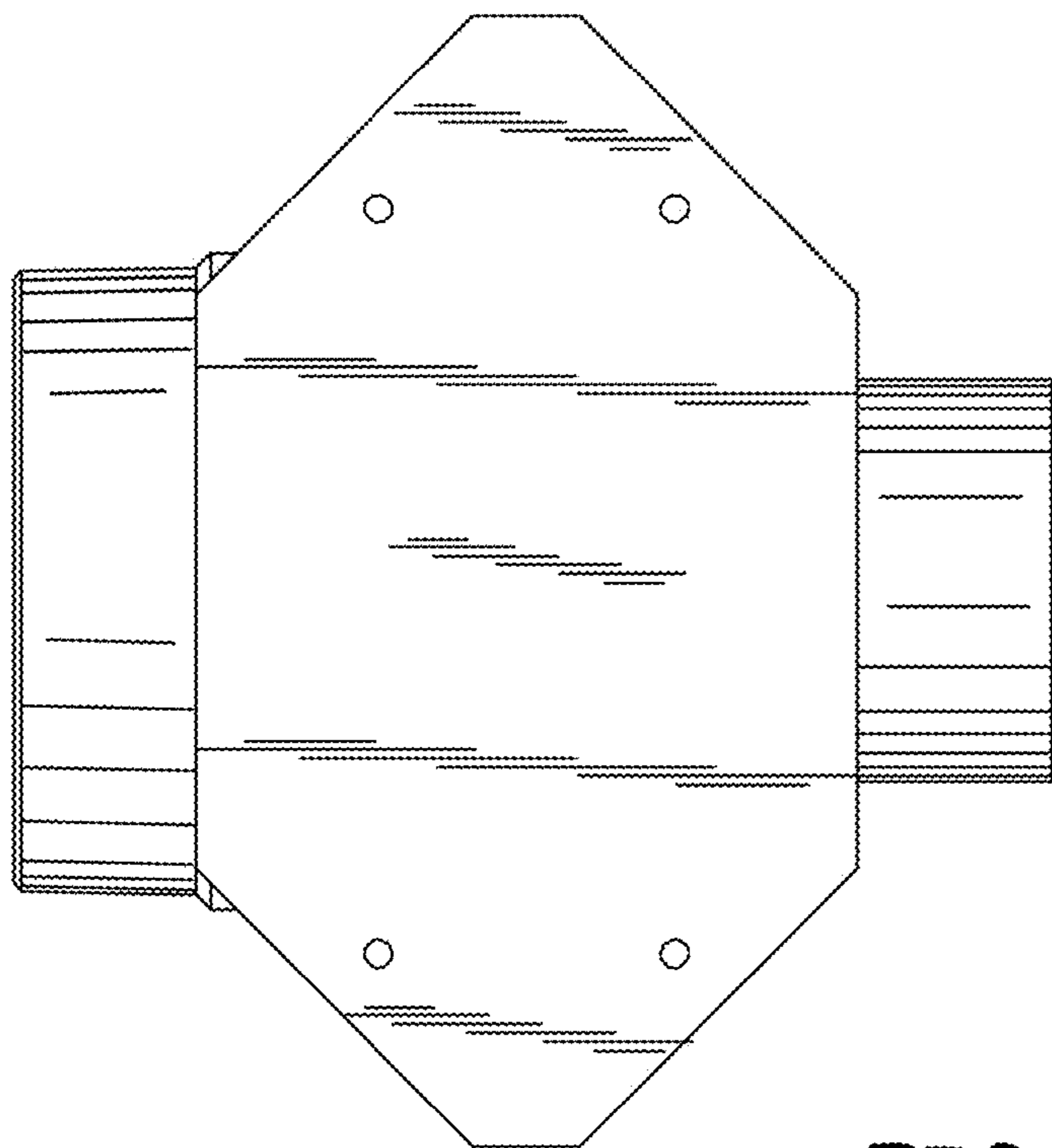
**FIG. 4**



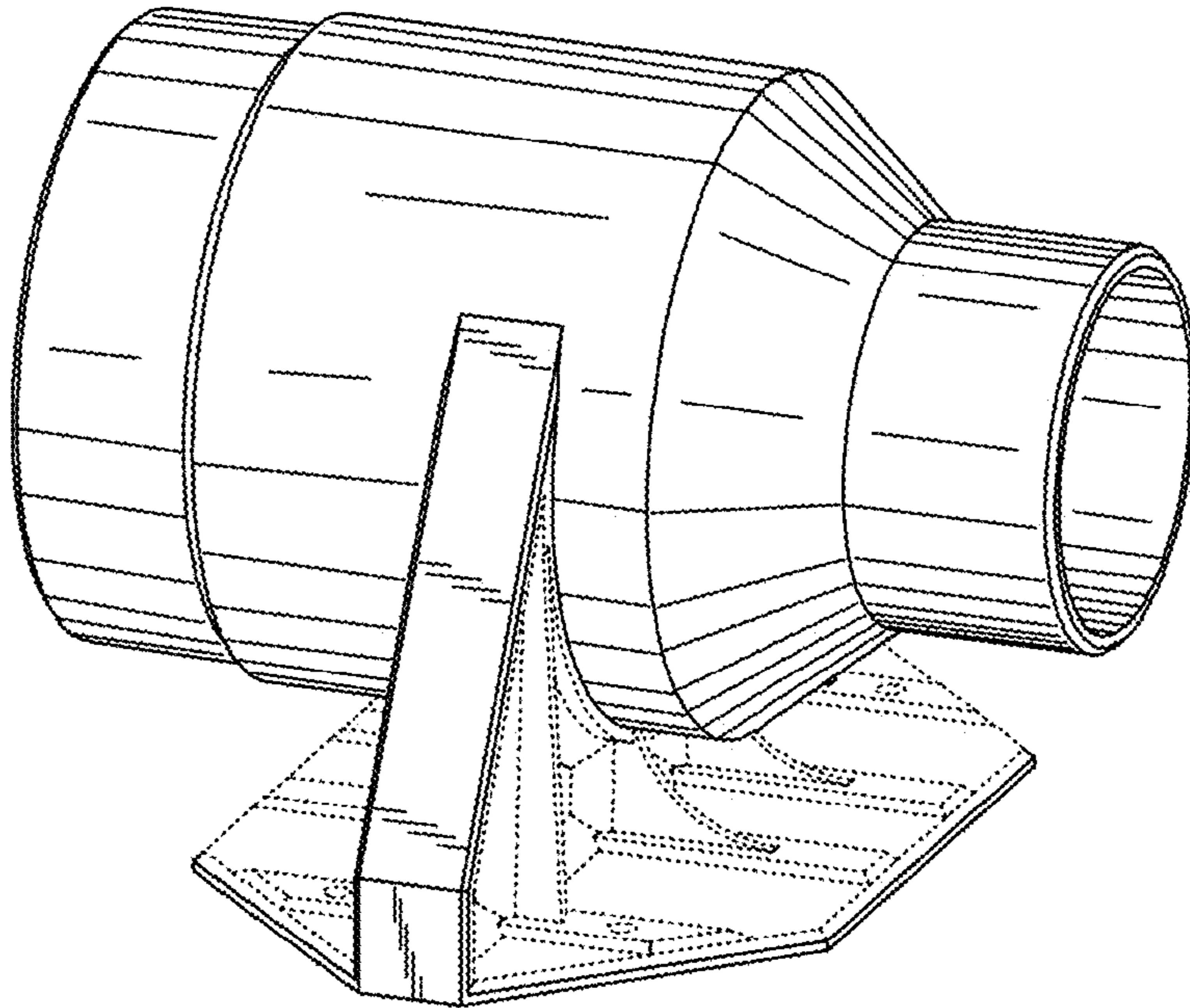
**FIG. 5**



**FIG. 6**

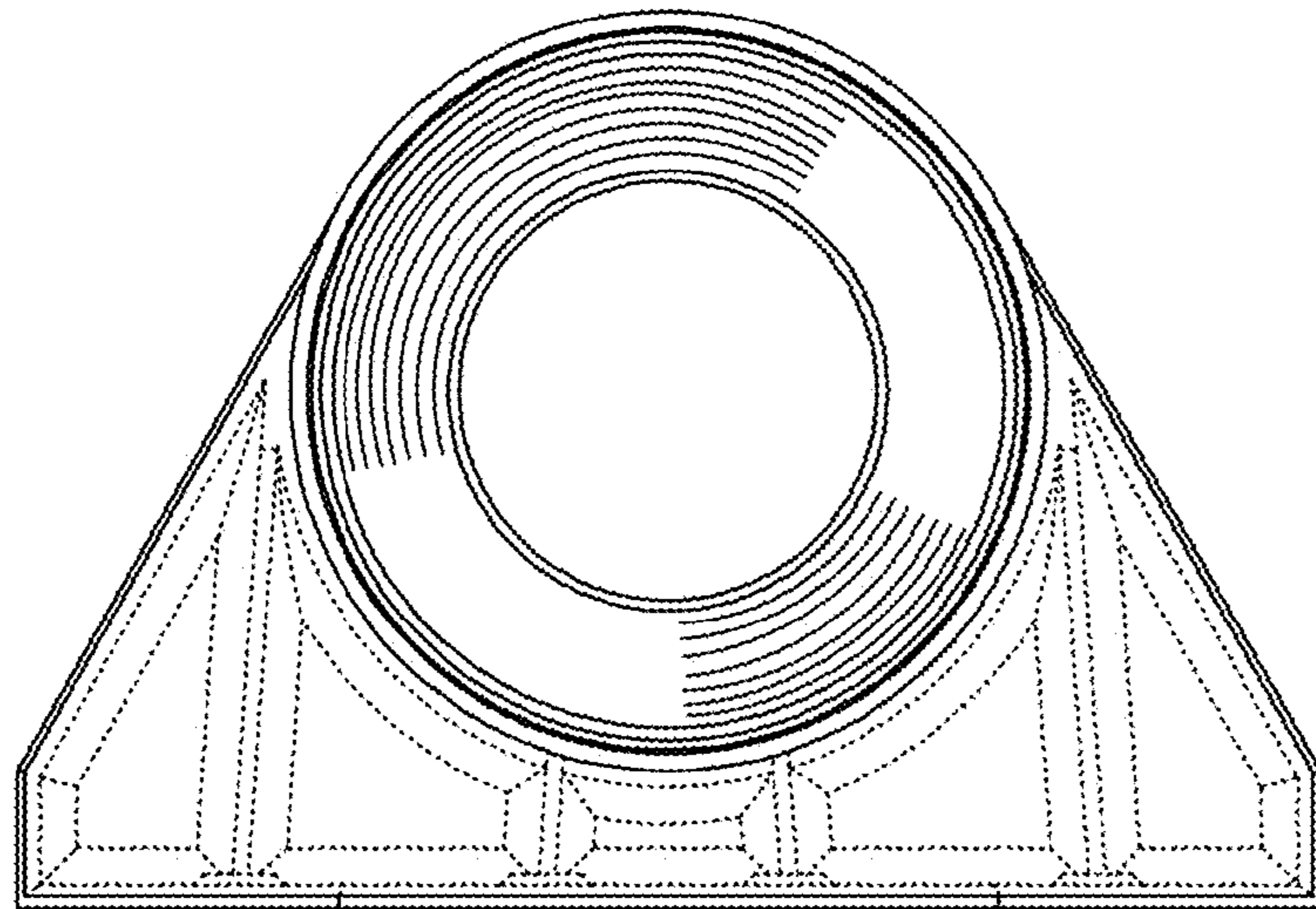


**FIG. 7**

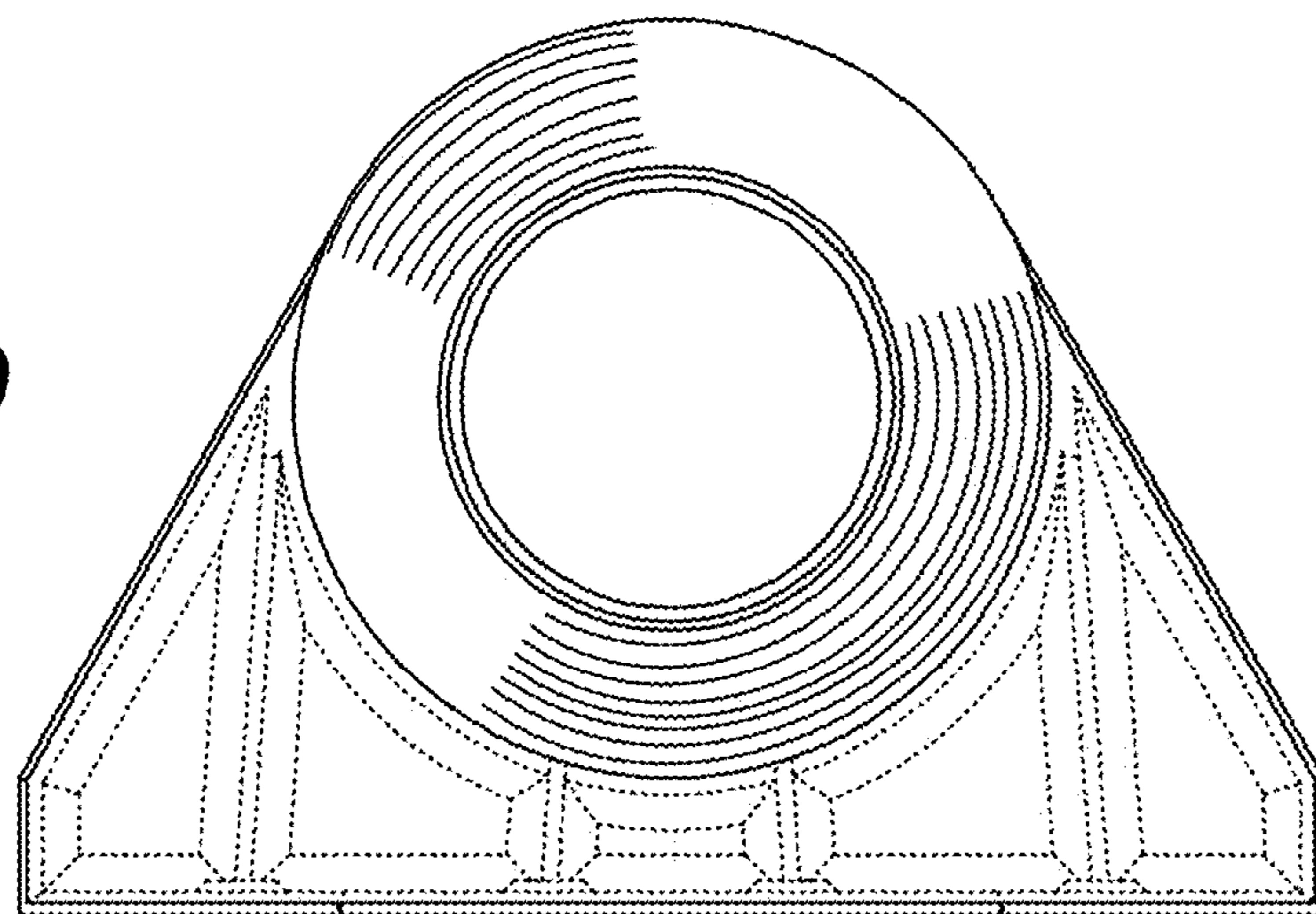


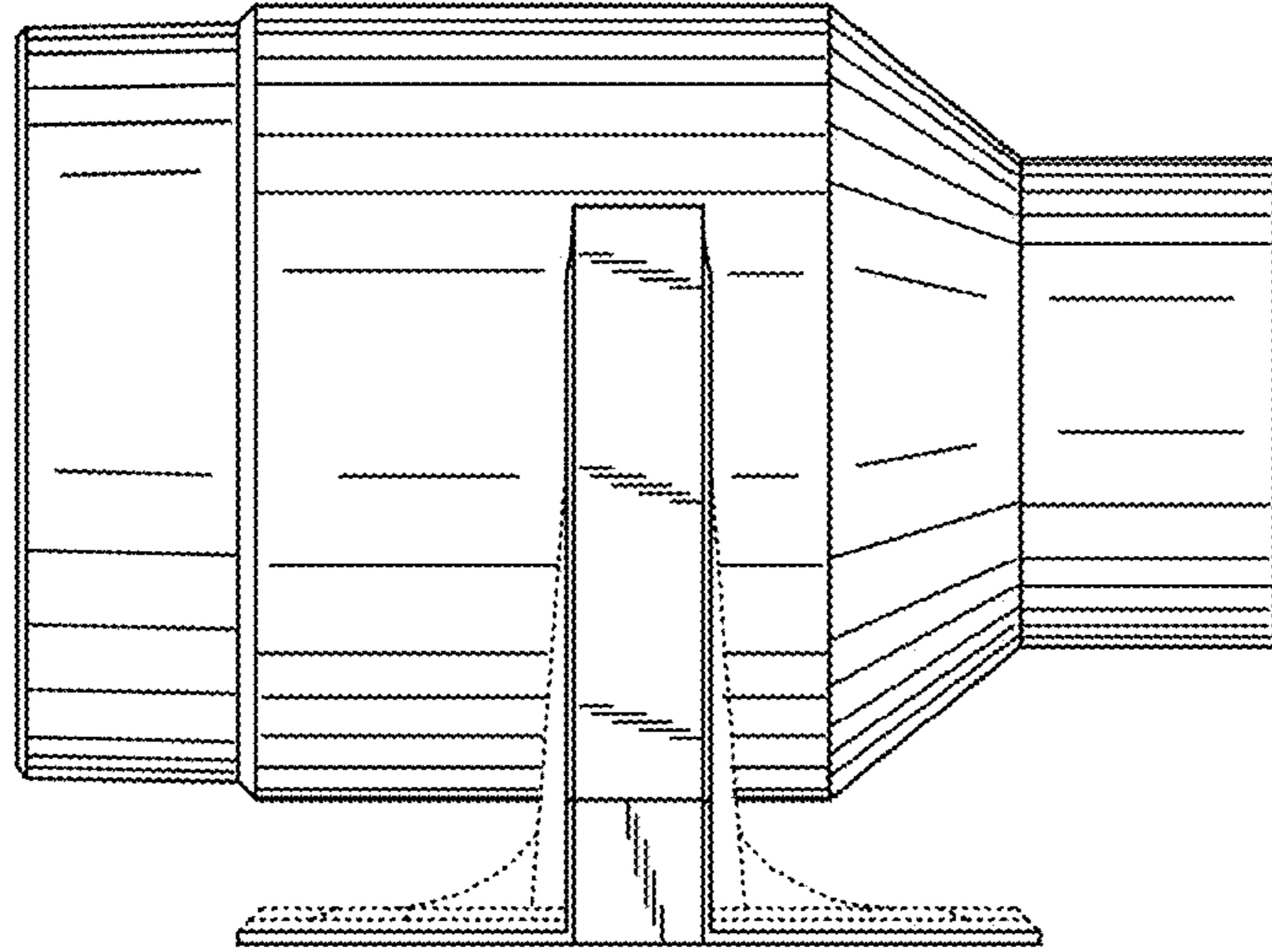
**FIG. 8**

**FIG. 9**

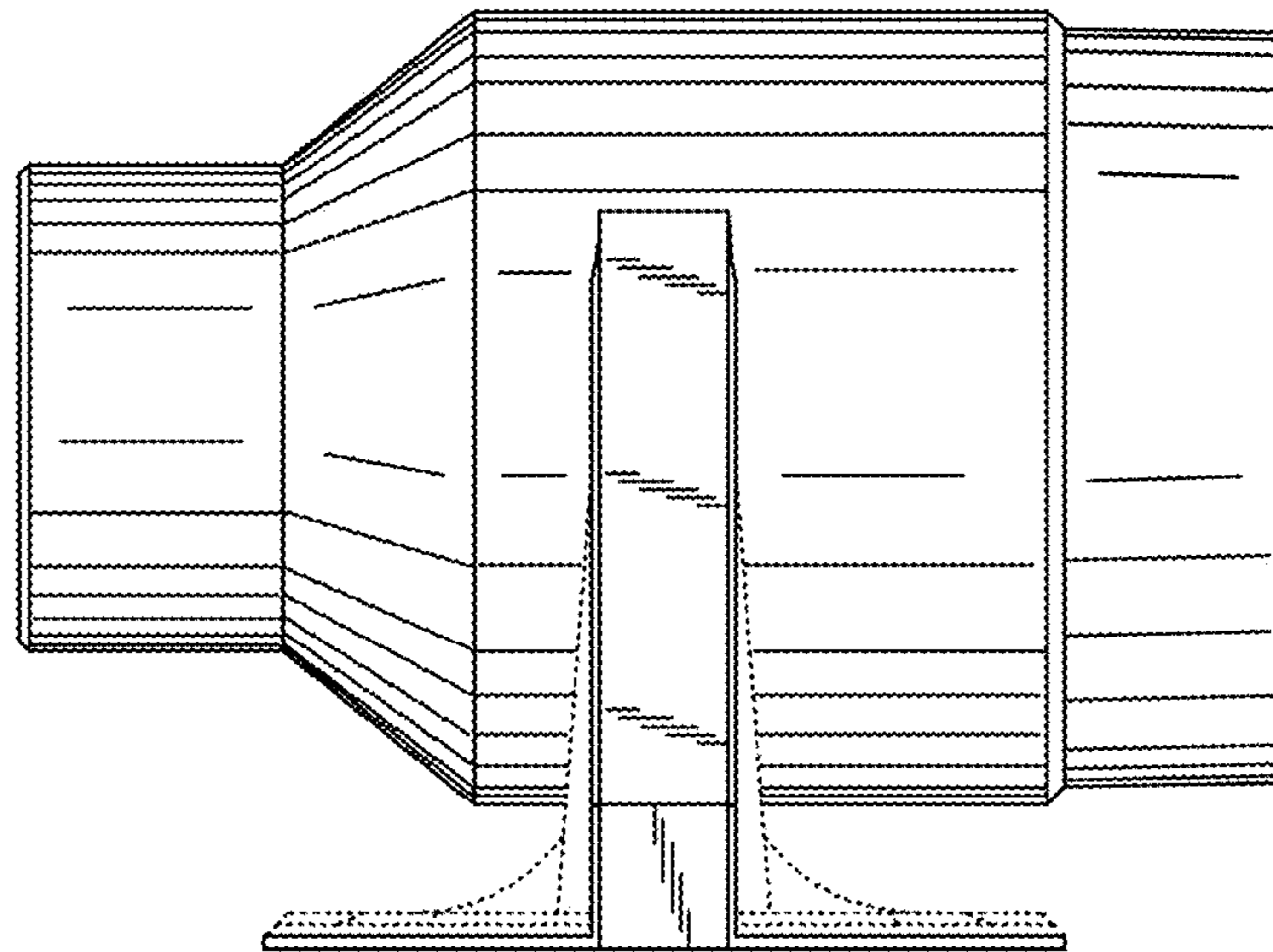


**FIG. 10**

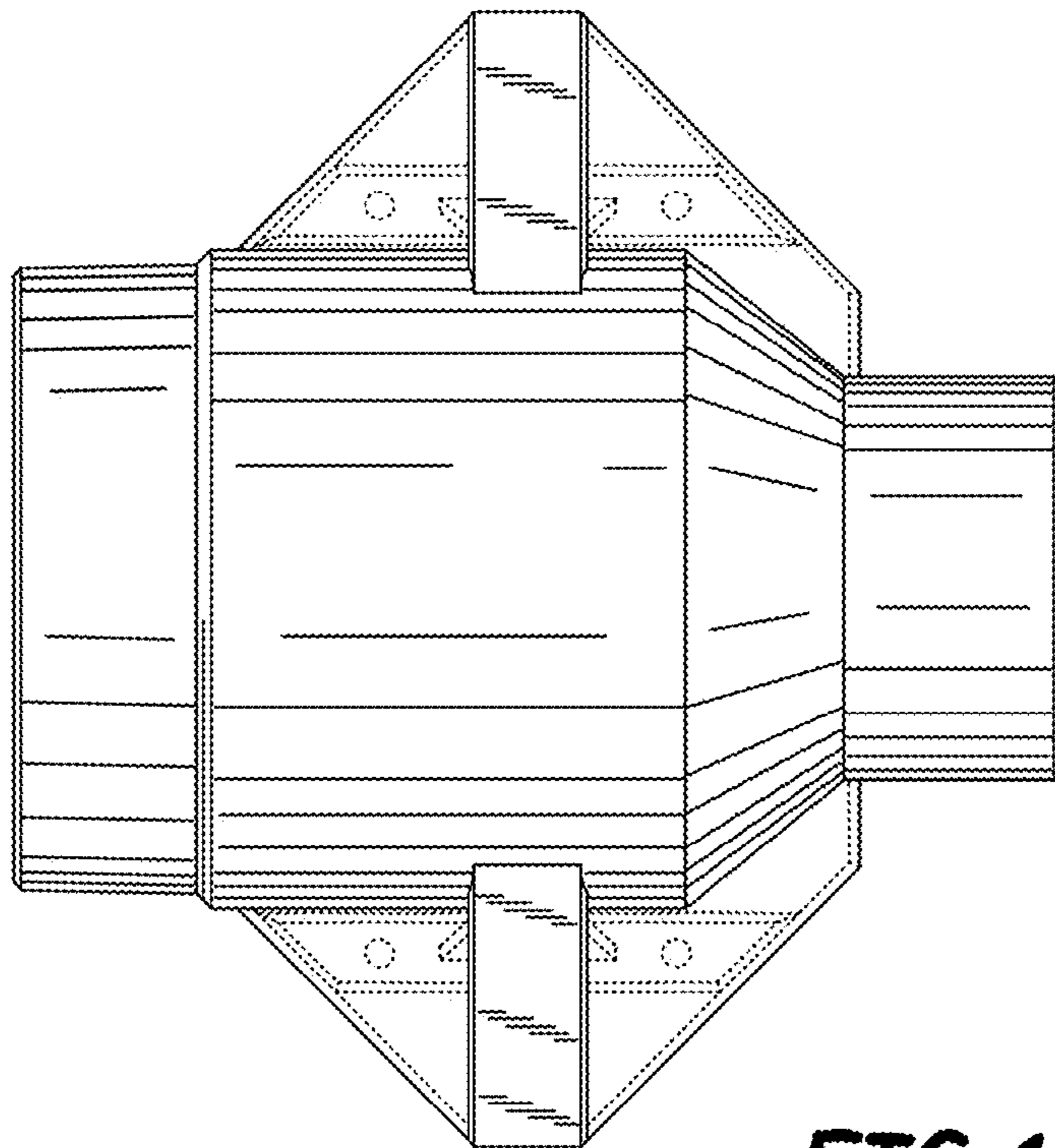




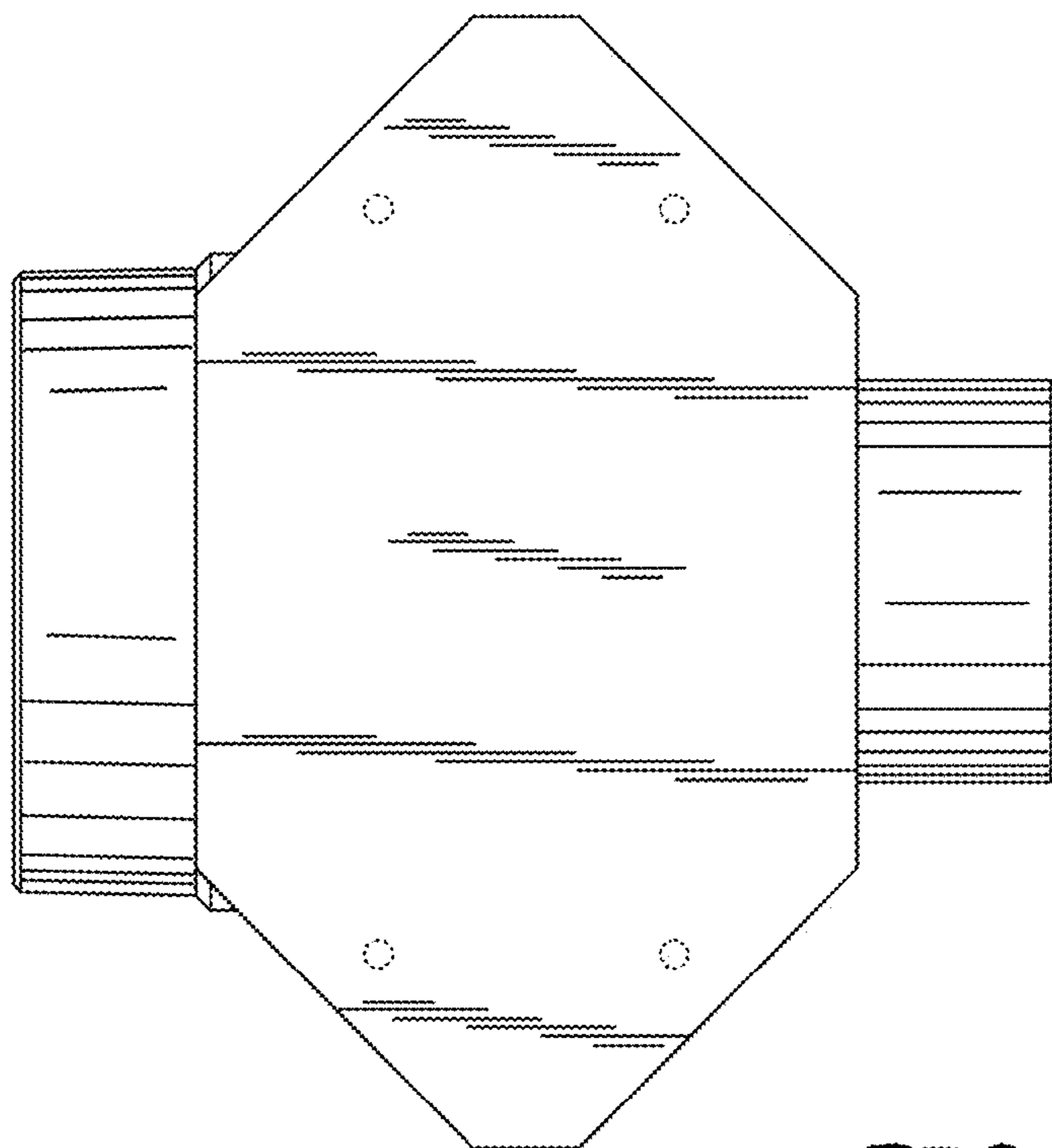
**FIG. 11**



**FIG. 12**



**FIG. 13**



**FIG. 14**