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

(10) **Patent No.:** **US D946,169 S**
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(54) **PIERCER FOR USE BY AUTOMATED LABORATORY EQUIPMENT**

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

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(22) Filed: **May 1, 2020**

(51) **LOC (13) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/232**

(58) **Field of Classification Search**
USPC D24/216, 219, 223–227, 231, 232, 233,
D24/234, 119, 121, 133, 118, 127, 129,
D24/146, 147; D10/81; D9/549
CPC .. G01N 35/1079; G01N 35/1097; B67B 7/28;
B65D 51/22; B65D 77/067; Y10T
436/2575
See application file for complete search history.

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Primary Examiner — Anhdao Doan

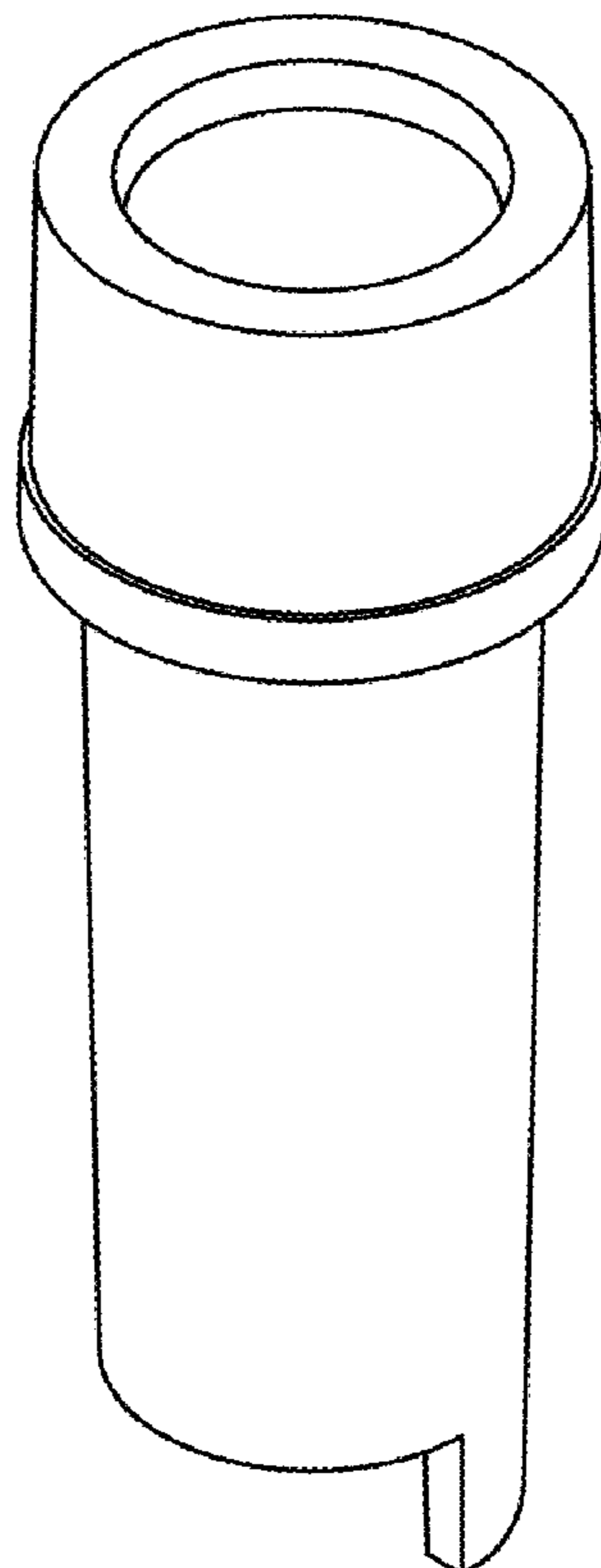
(57) **CLAIM**

The ornamental design for a piercer for use by automated laboratory equipment, as shown and described.

DESCRIPTION

FIG. 1 and FIG. 2 are perspective views of a piercer showing the new design;
FIG. 3, FIG. 4, FIG. 5, and FIG. 6 are side views thereof;
FIG. 7 is a top view thereof;
FIG. 8 is a bottom view thereof; and,
FIG. 9 is a cross-sectional view thereof.

1 Claim, 5 Drawing Sheets



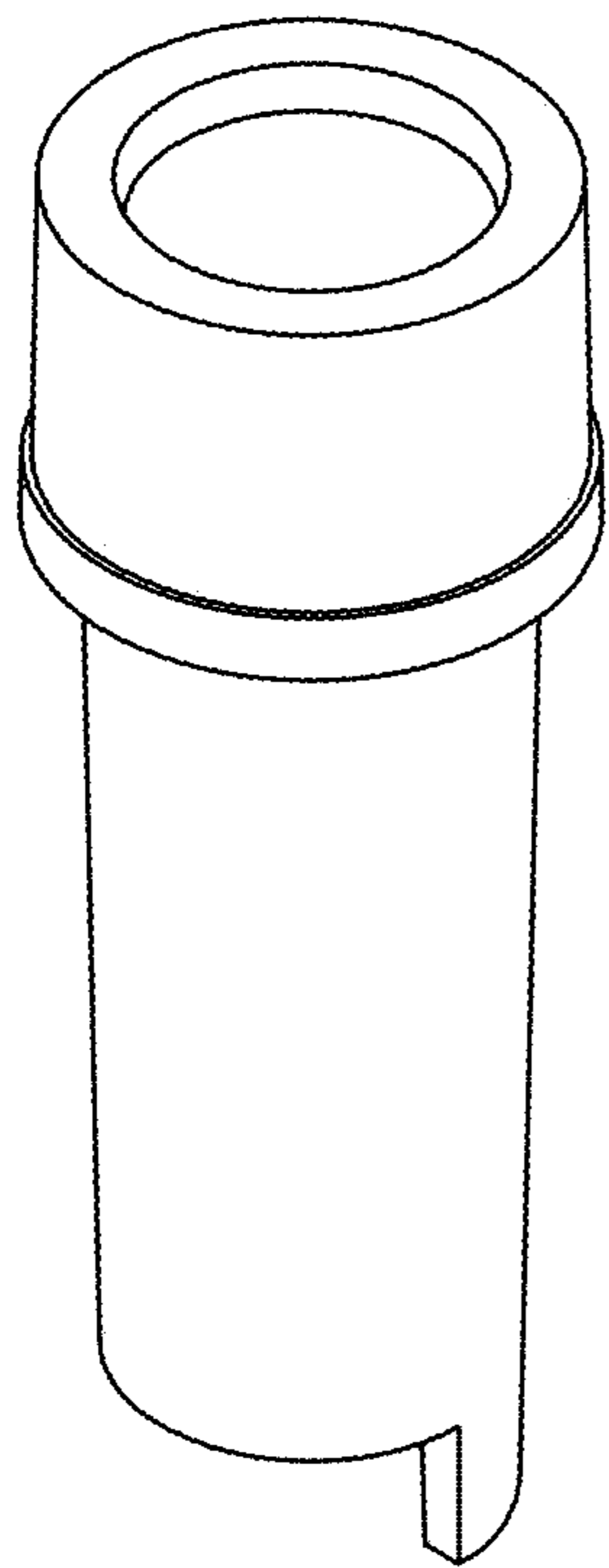


FIG. 1

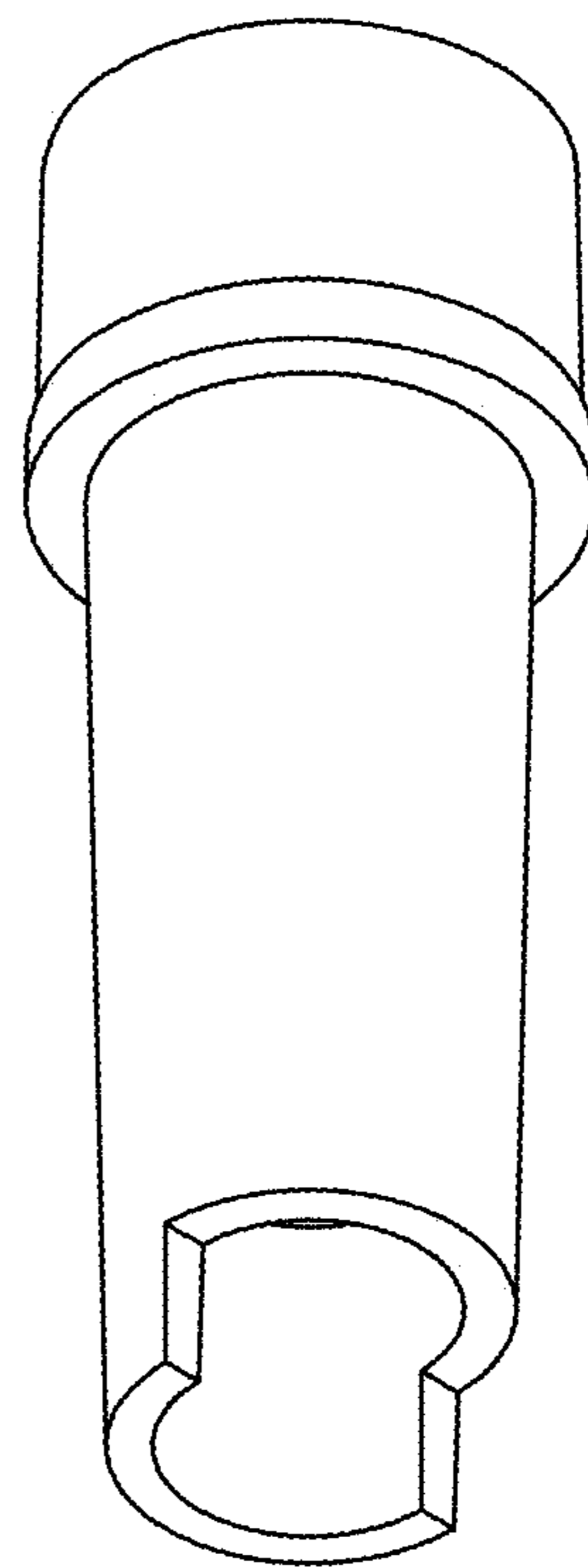


FIG. 2

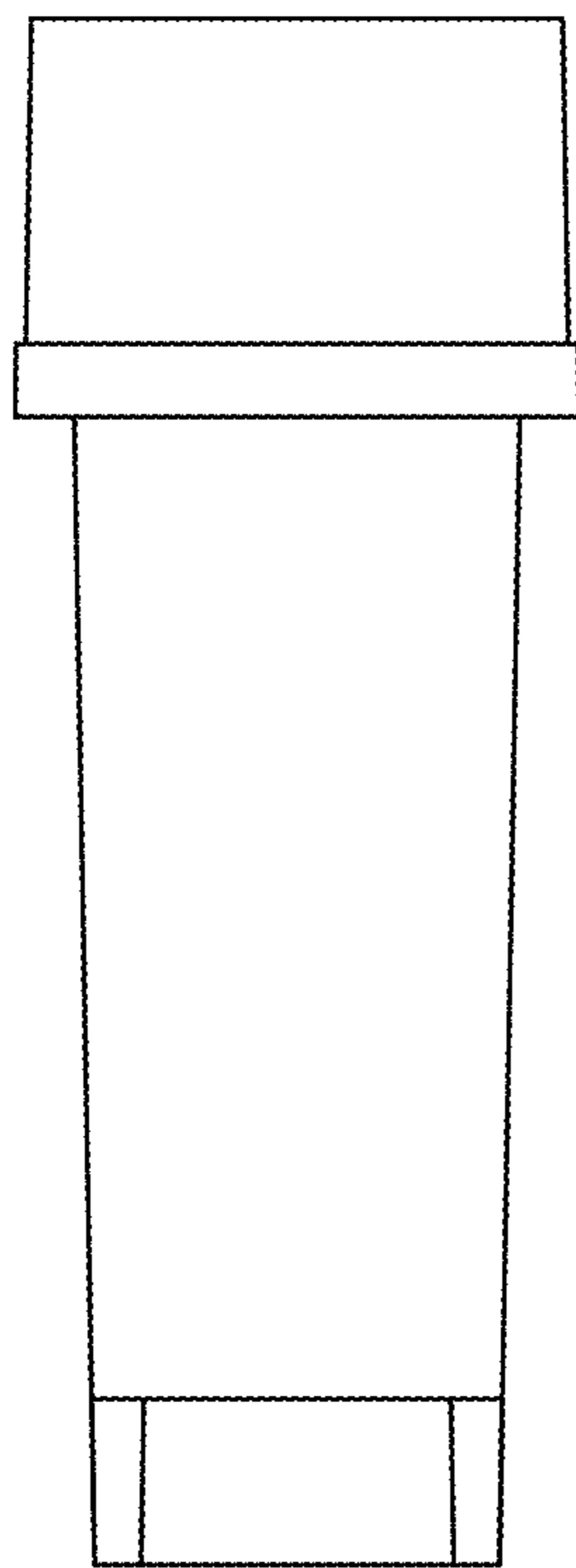


FIG. 3

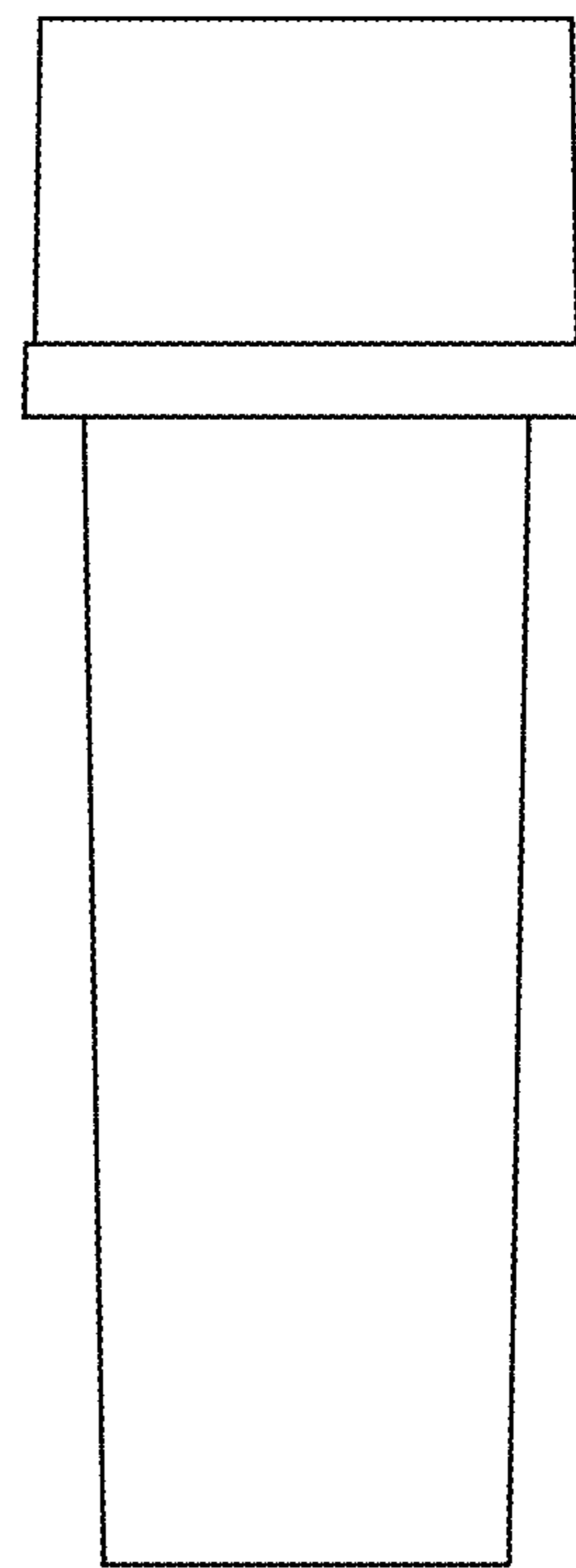


FIG. 4

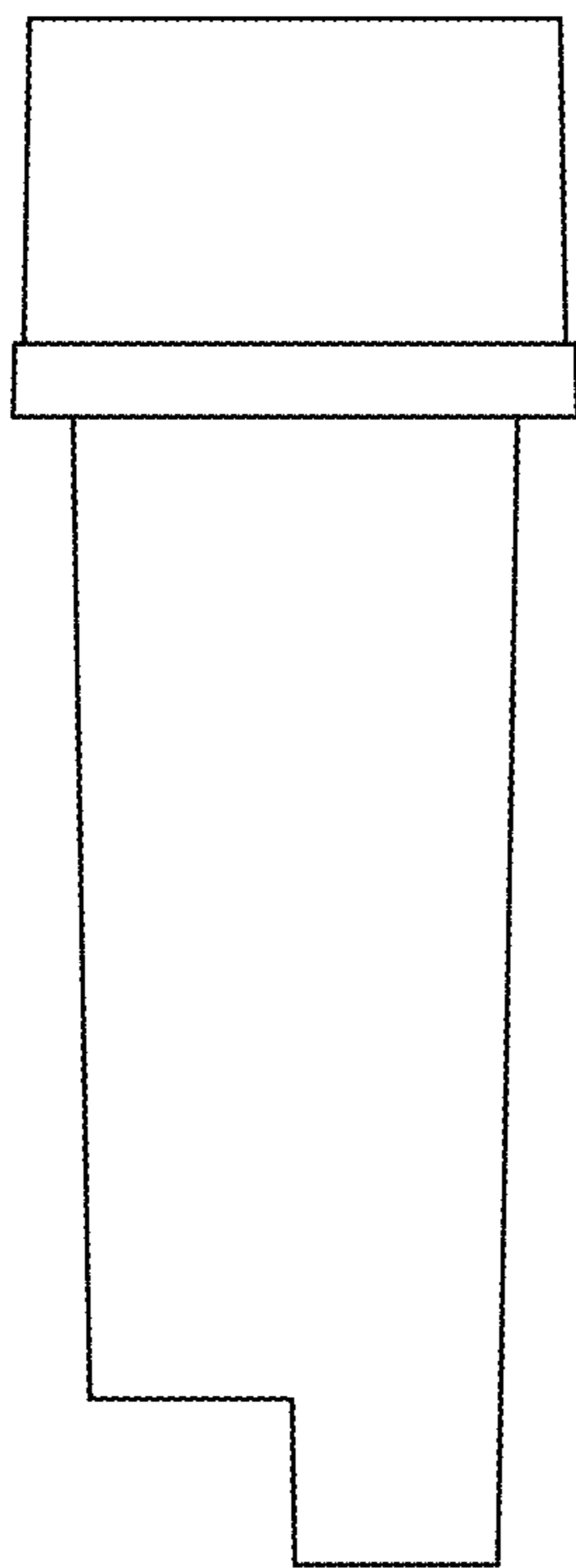


FIG. 5

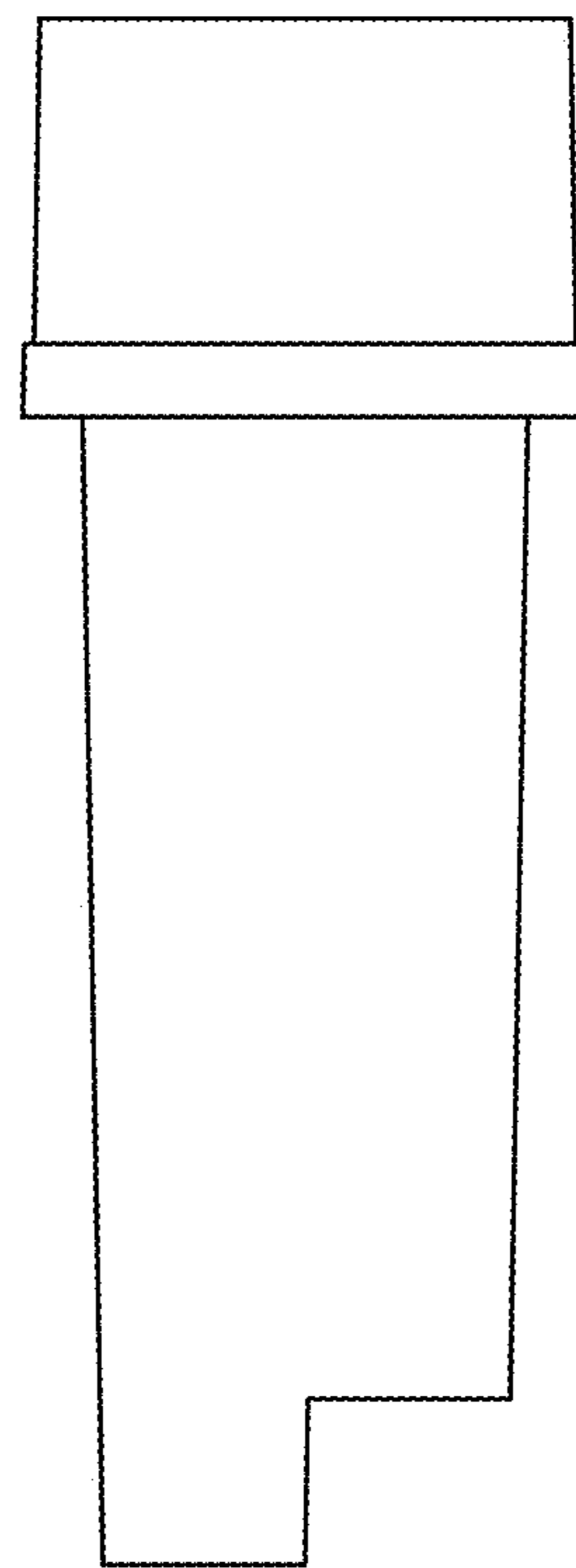


FIG. 6

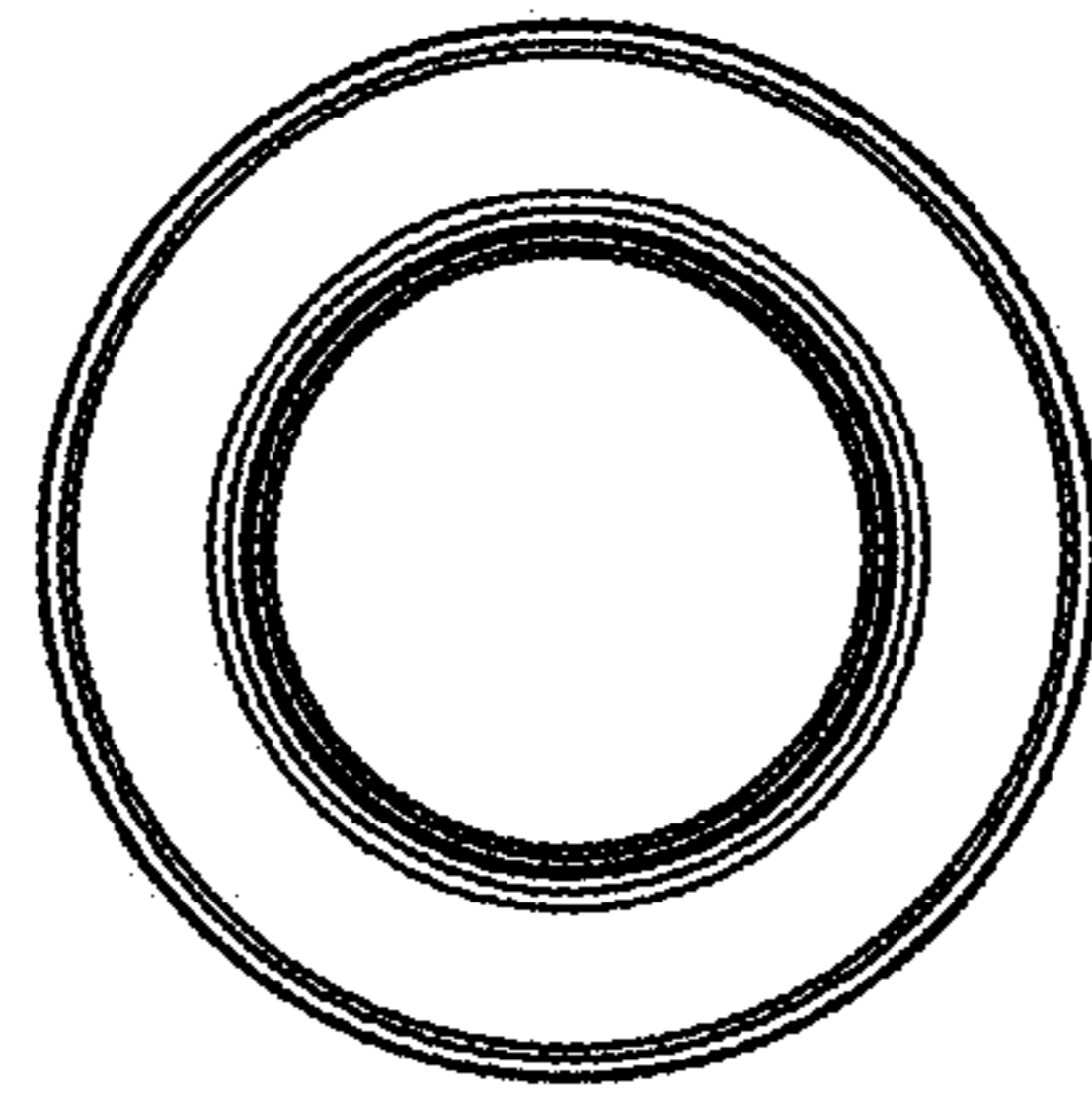


FIG. 7

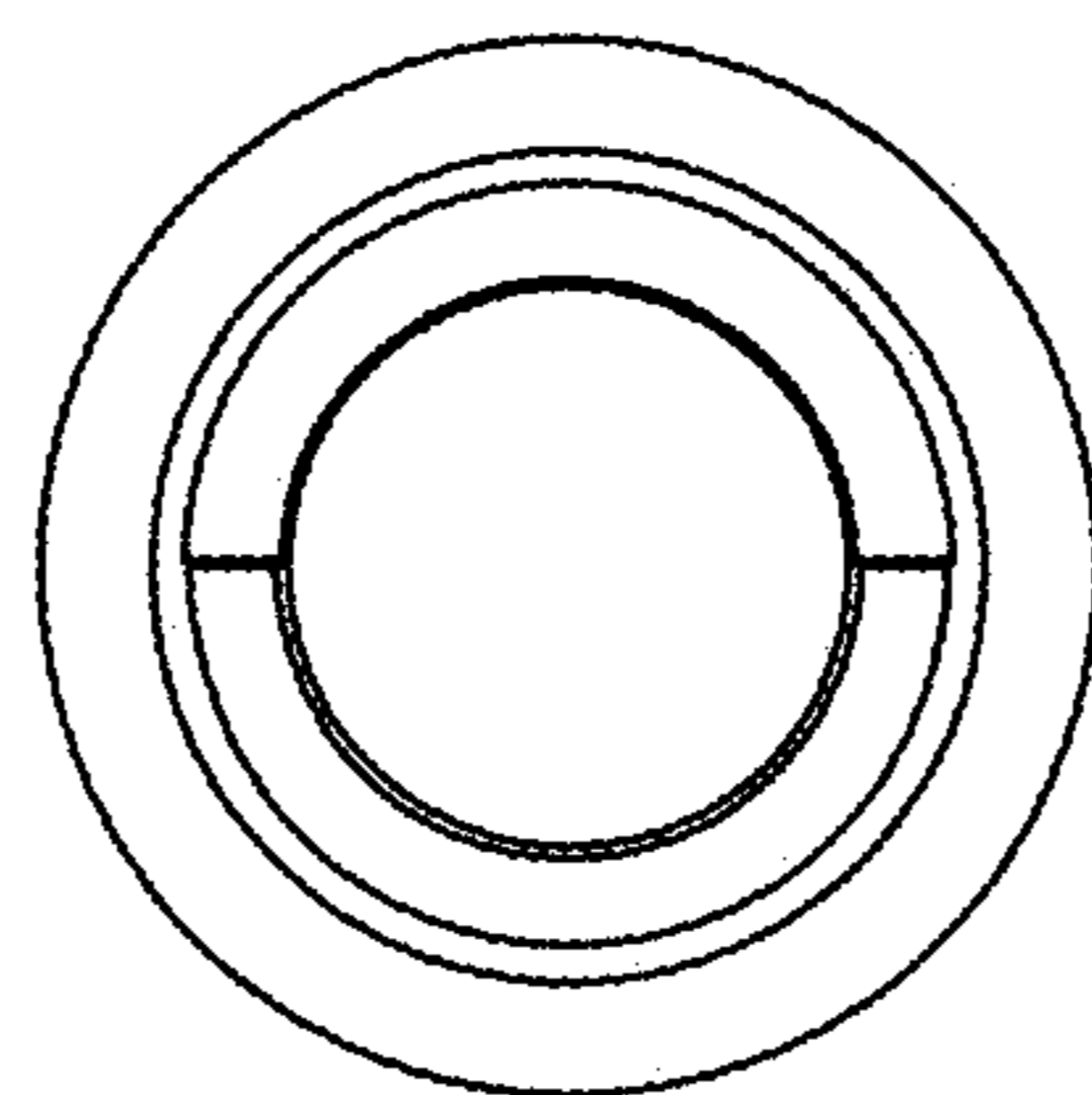


FIG. 8

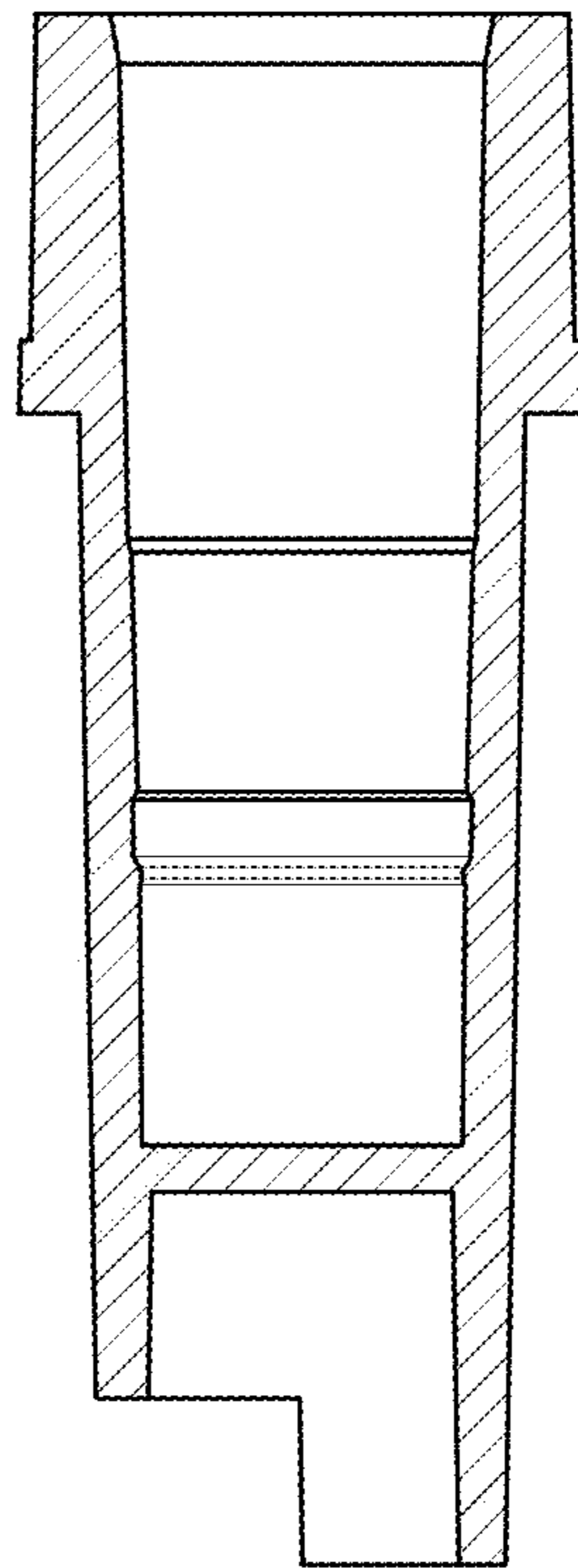


FIG. 9