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

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(54) **BIOREACTOR VESSEL**

C12M 29/00; B01J 19/0093; A45D  
40/221

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See application file for complete search history.

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(73) Assignee: **TAP Biosystems (PHC) Limited,**  
Royston, Hertfordshire (GB)

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(\*\*) Term: **14 Years**

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(21) Appl. No.: **29/488,551**

(Continued)

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*Assistant Examiner* — Mark Cavanna

(30) **Foreign Application Priority Data**

(74) *Attorney, Agent, or Firm* — Dickinson Wright PLLC

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(51) **LOC (10) Cl.** ..... **24-02**

(57) **CLAIM**

(52) **U.S. Cl.**

The ornamental design for a bioreactor vessel, as shown and described.

USPC ..... **D24/224**

(58) **Field of Classification Search**

**DESCRIPTION**

USPC ..... D24/216–232, 121; D3/203.1, 203.2;  
D10/81, 78; 229/4.5; D9/429, 504, 516,  
D9/529, 520–521, 446, 539, 443.523;  
422/500, 547, 554, 556, 528, 501, 1, 400;  
206/365; 215/224, 305, 306, 365, 230,  
215/204; 435/288.1, 288.2, 304.1, 304.2,  
435/295.1, 295.3, 302.1; 220/259.2,  
220/560.04; 250/506.1; D7/608, 300.1,  
D7/511

CPC ..... A61M 5/1785; A61M 5/002; B65B 31/00;  
B01L 3/50825; B01L 3/0275; B01L 3/08;  
B01L 3/502738; B01L 3/502; B01F  
13/0827; B01F 11/0082; B65D 3/22;  
B65D 50/061; B65D 51/243; A61L 2/04;

FIG. 1 is a top perspective view of the bioreactor vessel of the invention;

FIG. 2 is a bottom perspective view of the bioreactor vessel of FIG. 1;

FIG. 3 is a right side view of the bioreactor vessel of FIG. 1;

FIG. 4 is a left side view of the bioreactor vessel of FIG. 1;

FIG. 5 is a front view of the bioreactor vessel of FIG. 1;

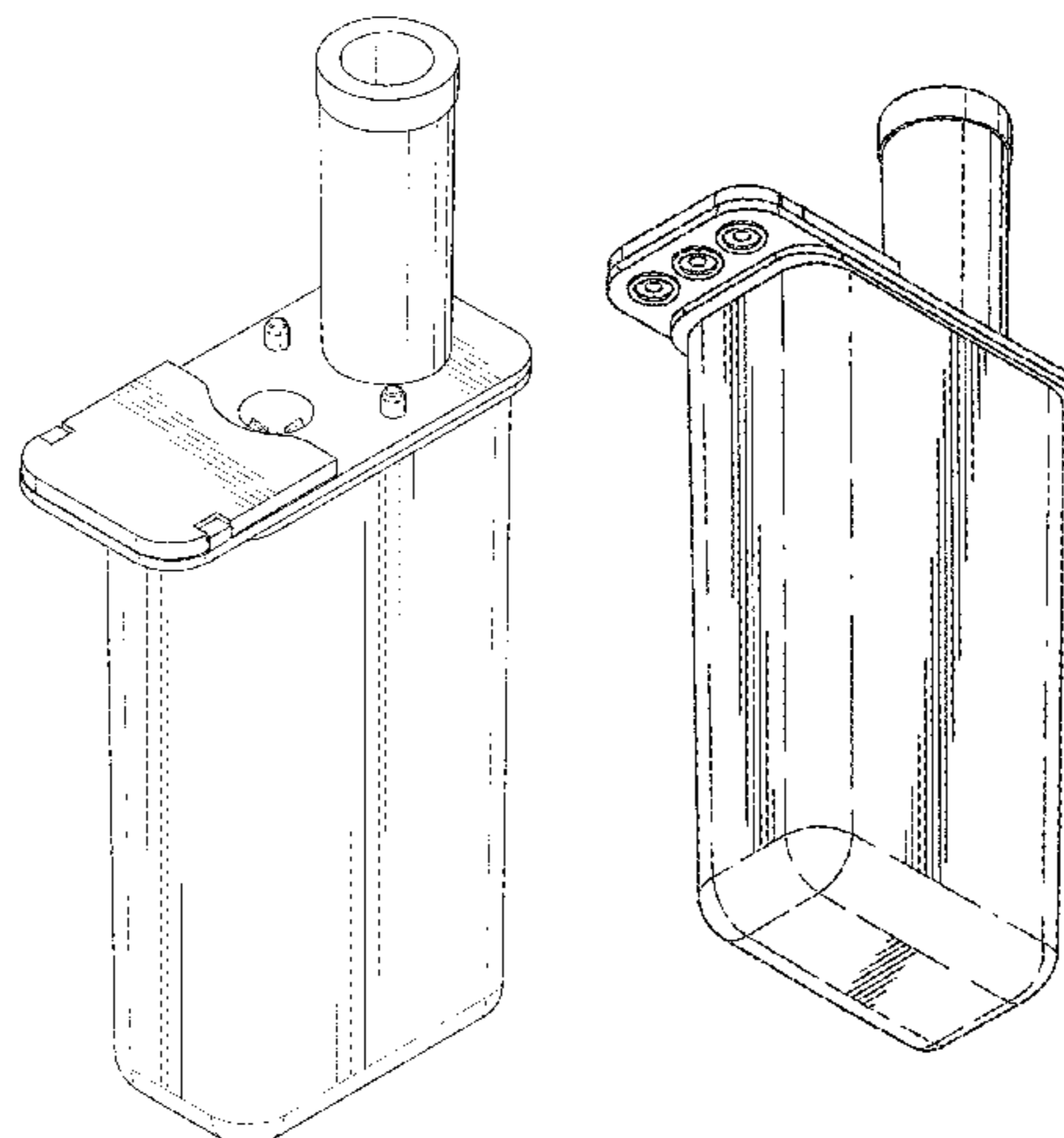
FIG. 6 is a rear view of the bioreactor vessel of FIG. 1;

FIG. 7 is a top view of the bioreactor vessel of FIG. 1; and,

FIG. 8 is a bottom view of the bioreactor vessel of FIG. 1.

The broken lines located within the circle located on the top of the bioreactor vessel and seen in FIGS. 1 and 7 are

(Continued)



included for the purpose of illustrating unclaimed portions of the bioreactor vessel and form no part of the claimed design.

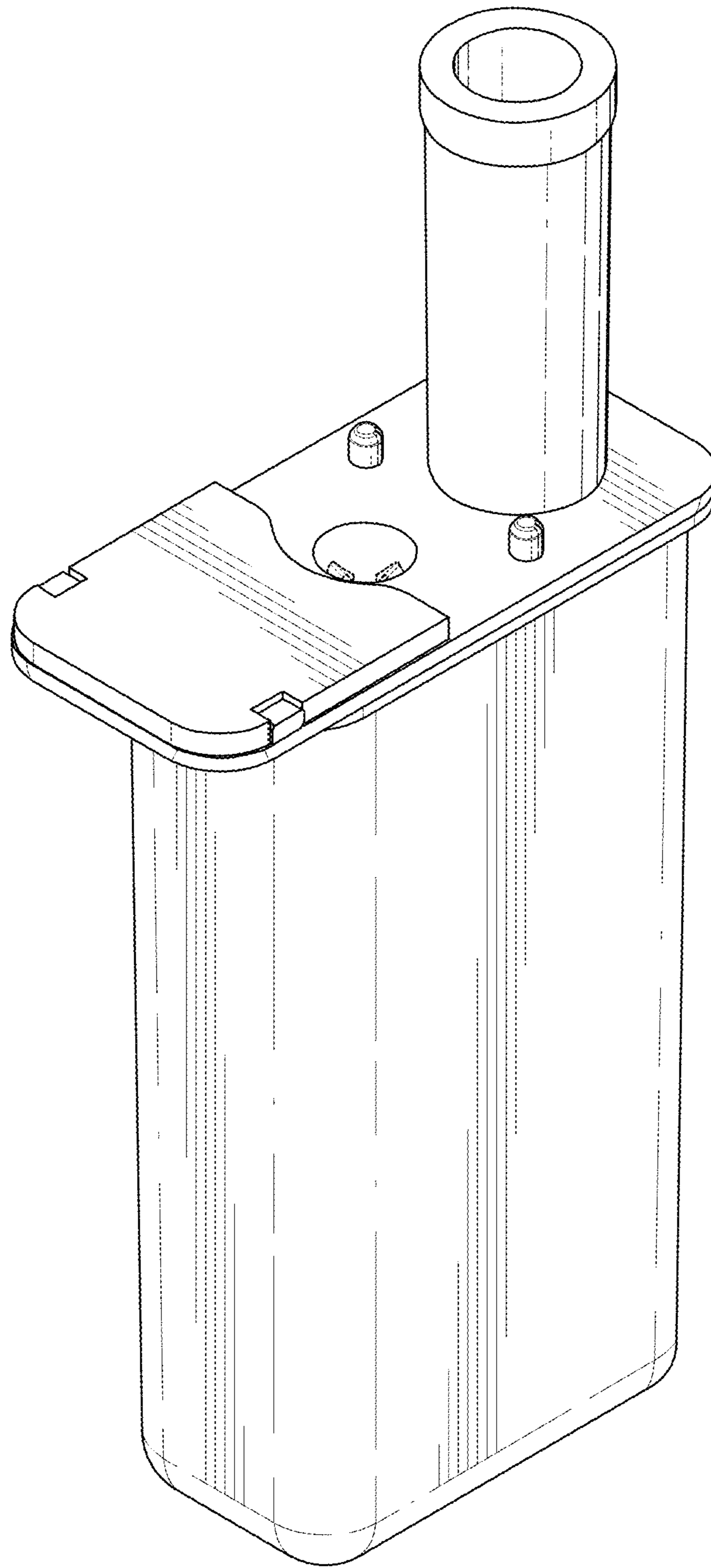
**1 Claim, 8 Drawing Sheets**

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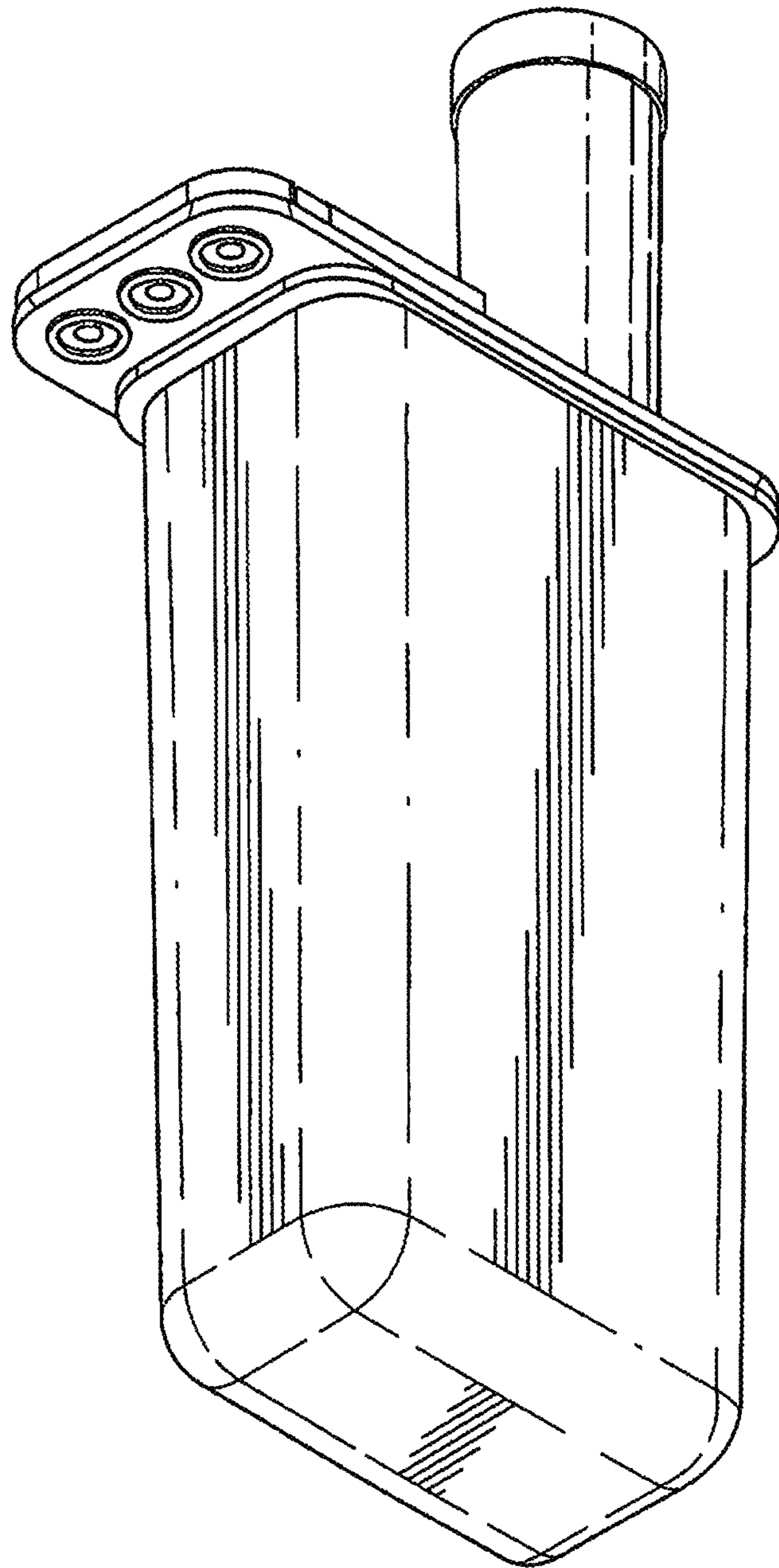
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**FIG. 1**



**FIG. 2**

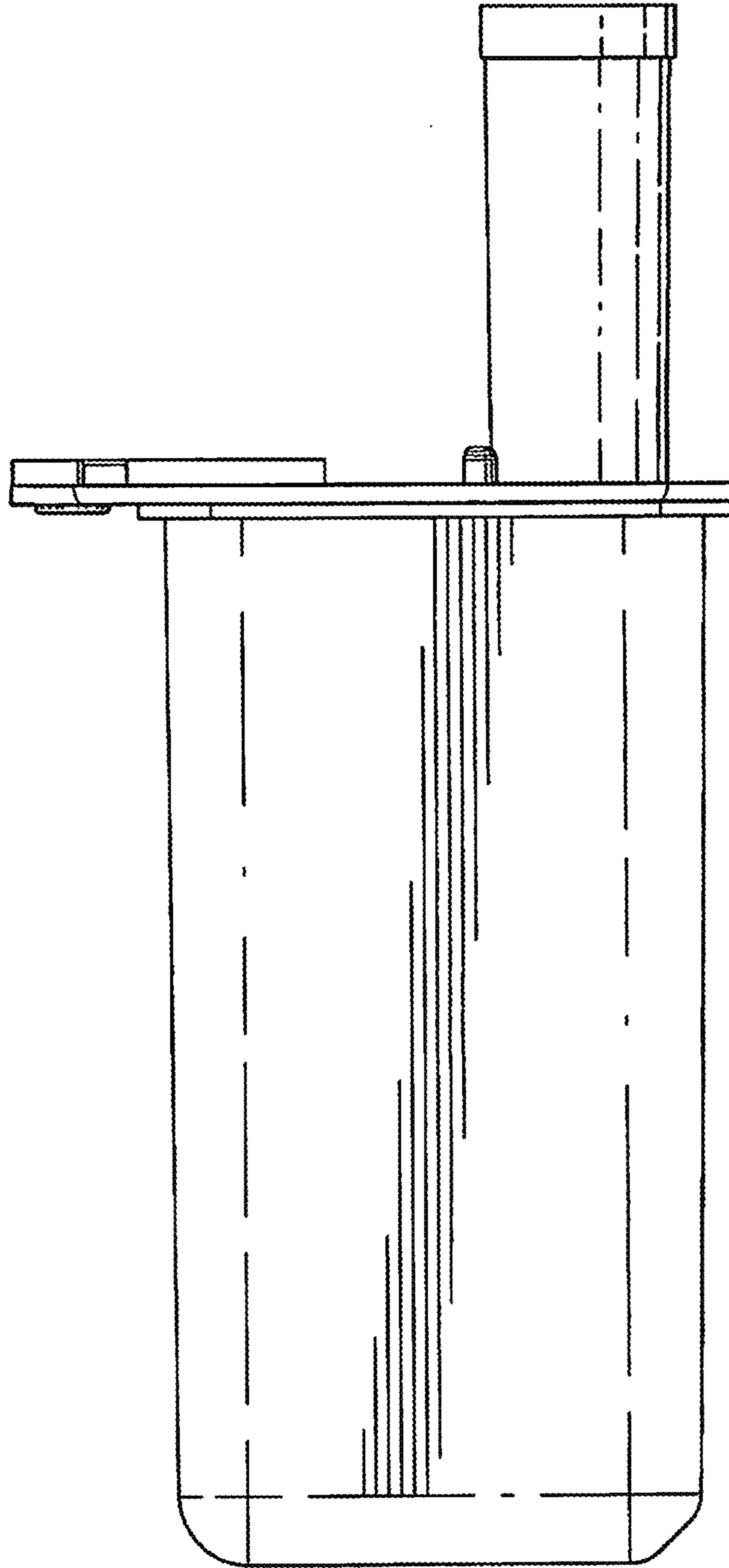
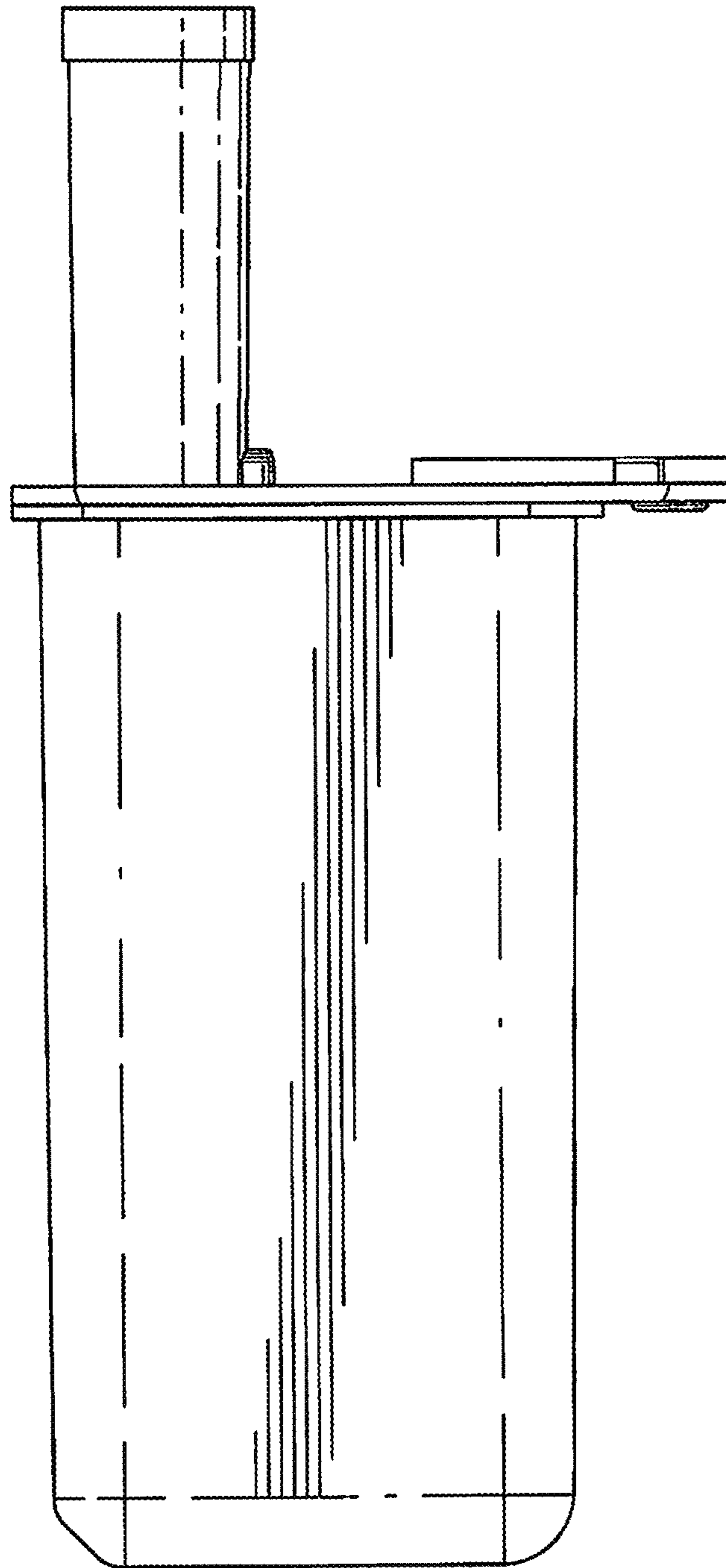
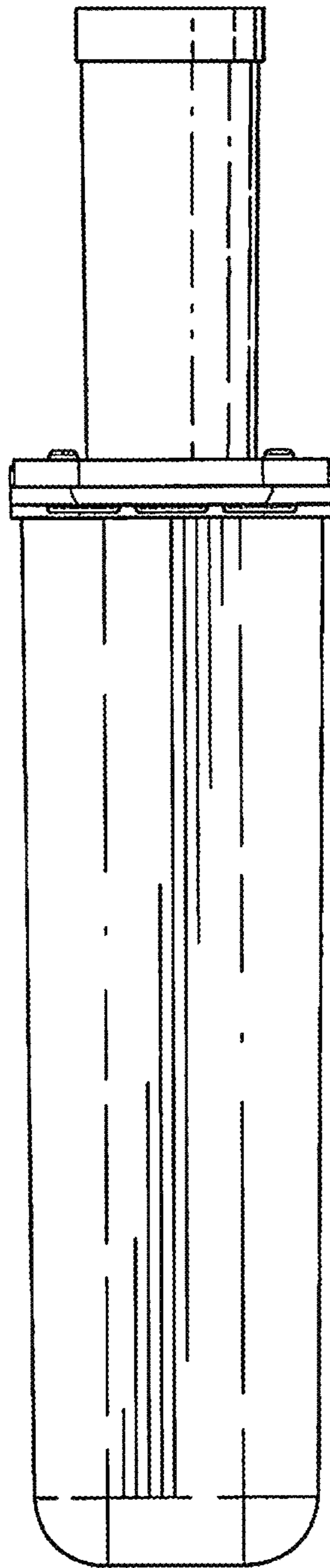


FIG. 3

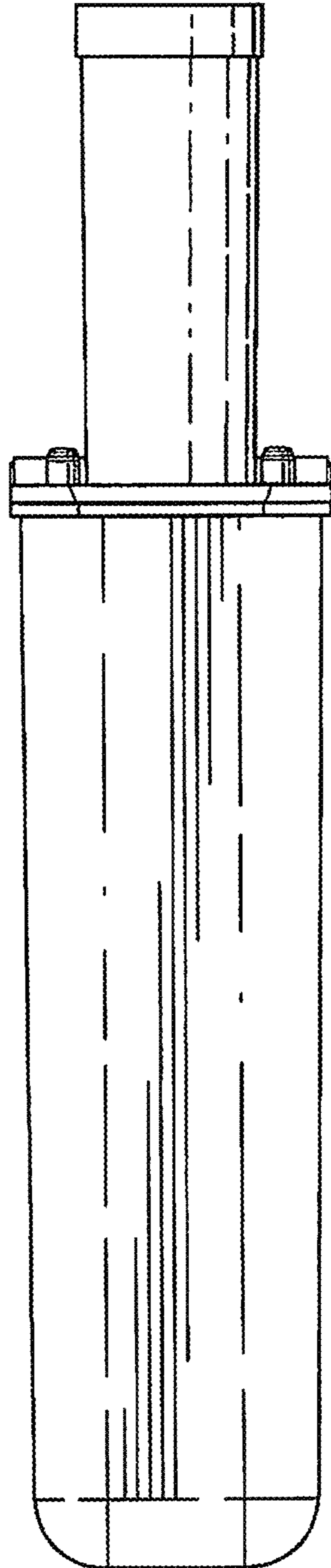




**FIG. 4**

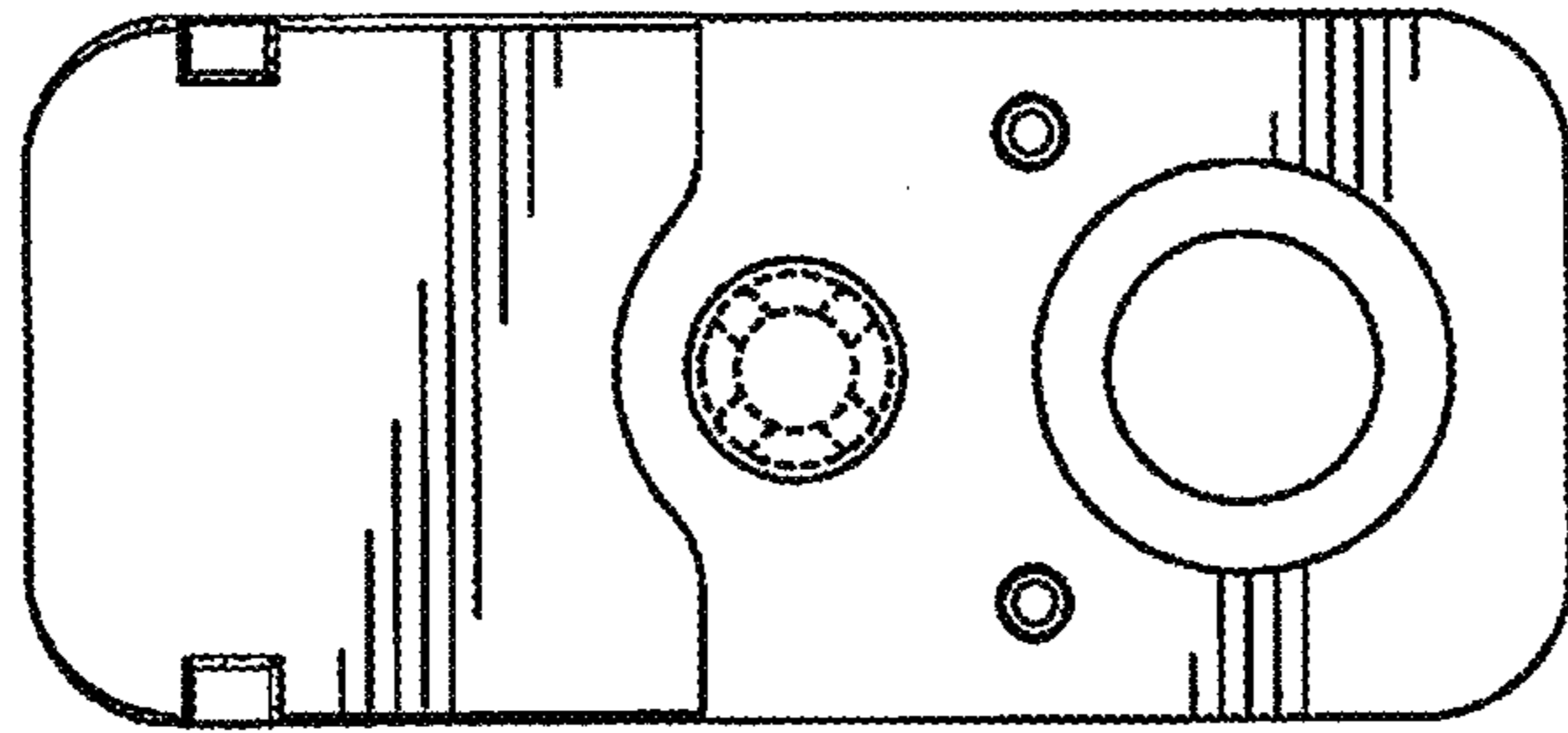


**FIG. 5**

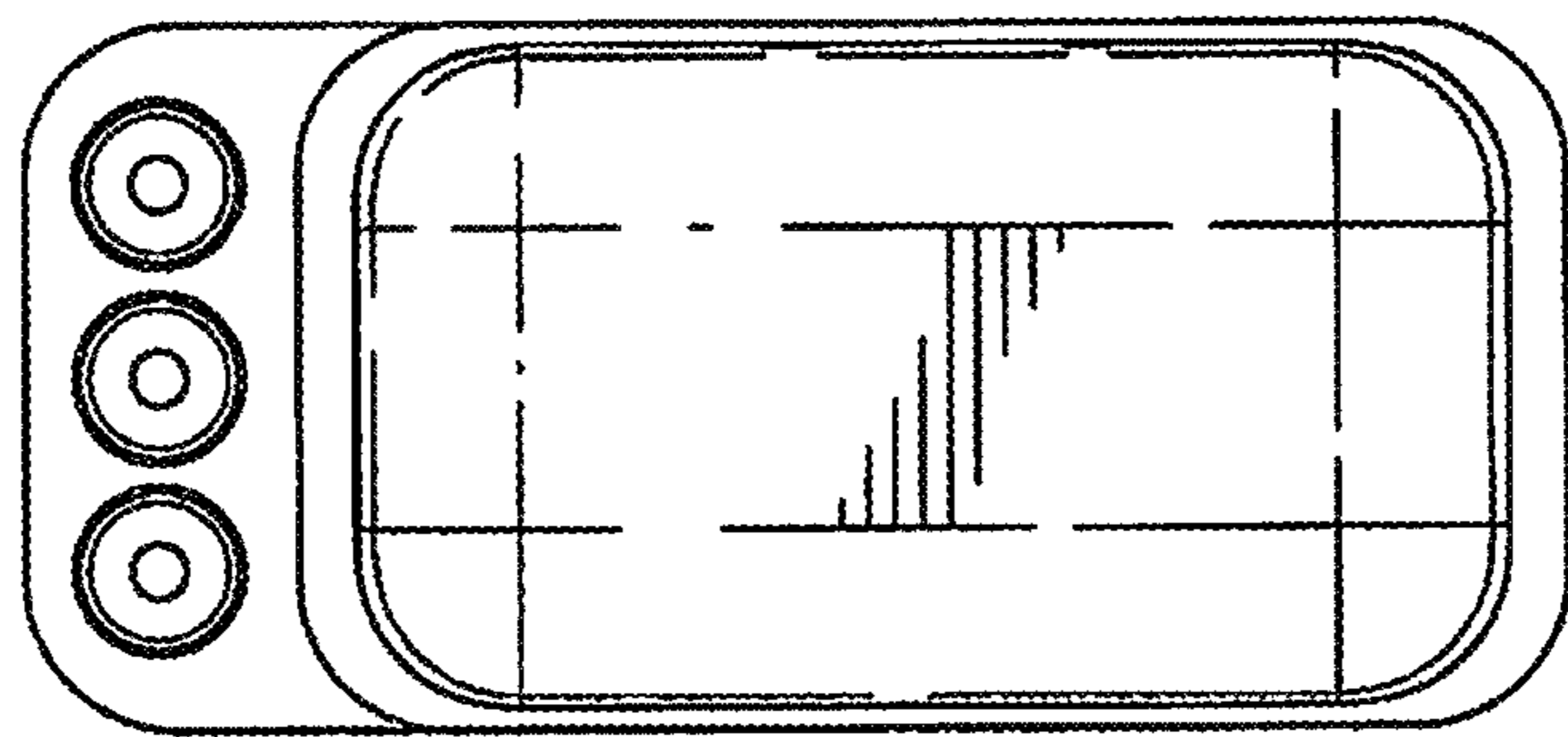


**FIG. 6**





**FIG. 7**



*FIG. 8*