



US00D978689S

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

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(45) **Date of Patent:** **\*\* Feb. 21, 2023**

(54) **INFRARED SENSOR**

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Tokyo (JP)

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (14) Cl.** ..... **10-04**

(52) **U.S. Cl.**  
USPC ..... **D10/60; D10/103; D13/173**

(58) **Field of Classification Search**  
USPC ..... D10/46, 50, 60, 103; D13/173  
CPC ..... G01J 5/0806; G01J 5/0893; G05B 15/02;  
G05B 19/418; G05B 2219/2642; G05B  
2219/2614; G08B 13/19; H05B 47/13;  
Y02B 20/40

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D241,627 S \* 9/1976 Allison ..... D10/15  
D496,337 S \* 9/2004 Kaizu ..... D13/173

D563,328 S \* 3/2008 Sano ..... D13/173  
D563,329 S \* 3/2008 Sano ..... D13/173  
2006/0237651 A1\* 10/2006 Eskildsen ..... G08B 13/19  
250/342

\* cited by examiner

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PC

(57) **CLAIM**

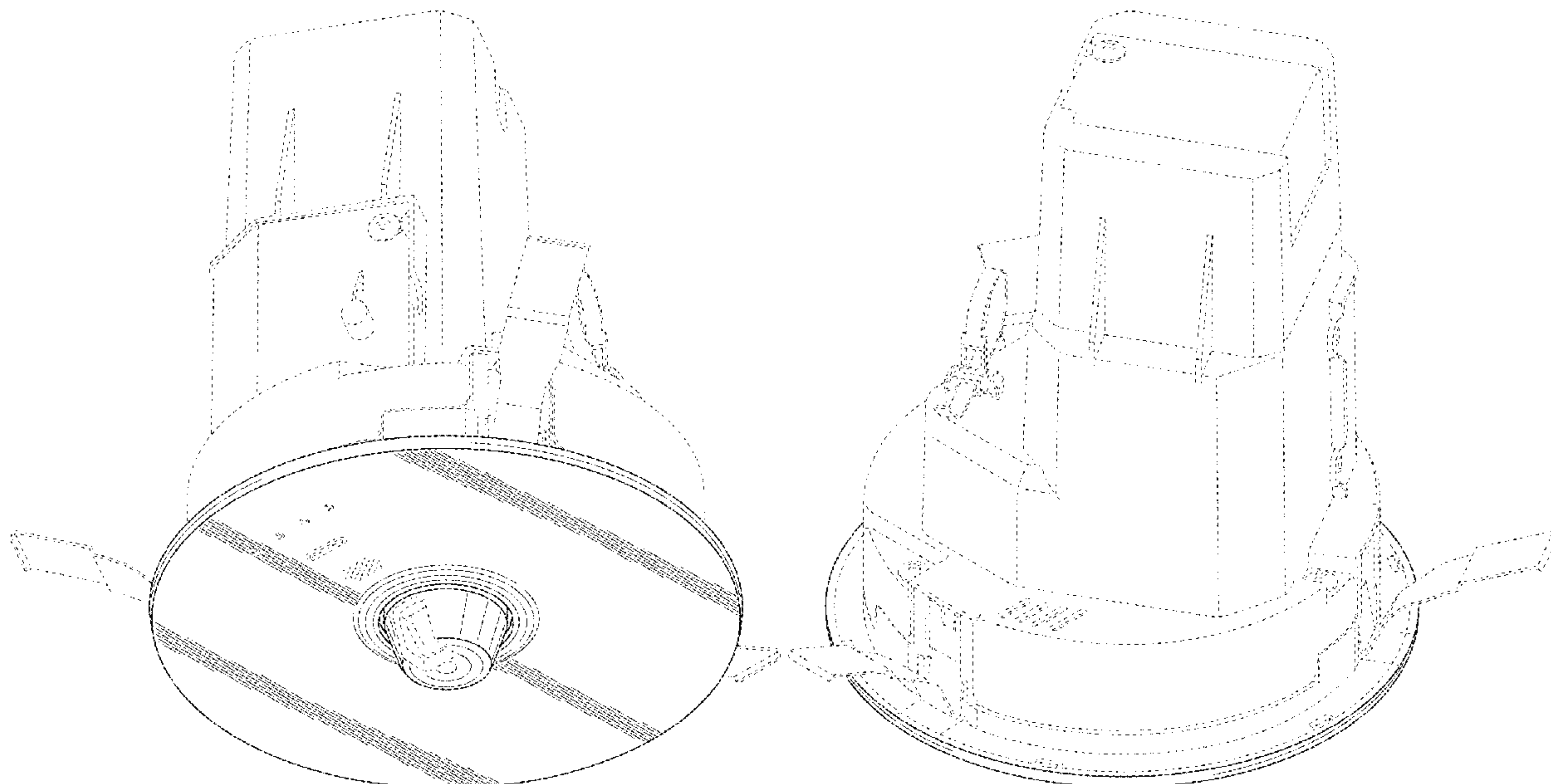
The ornamental design for an infrared sensor, as shown and described.

**DESCRIPTION**

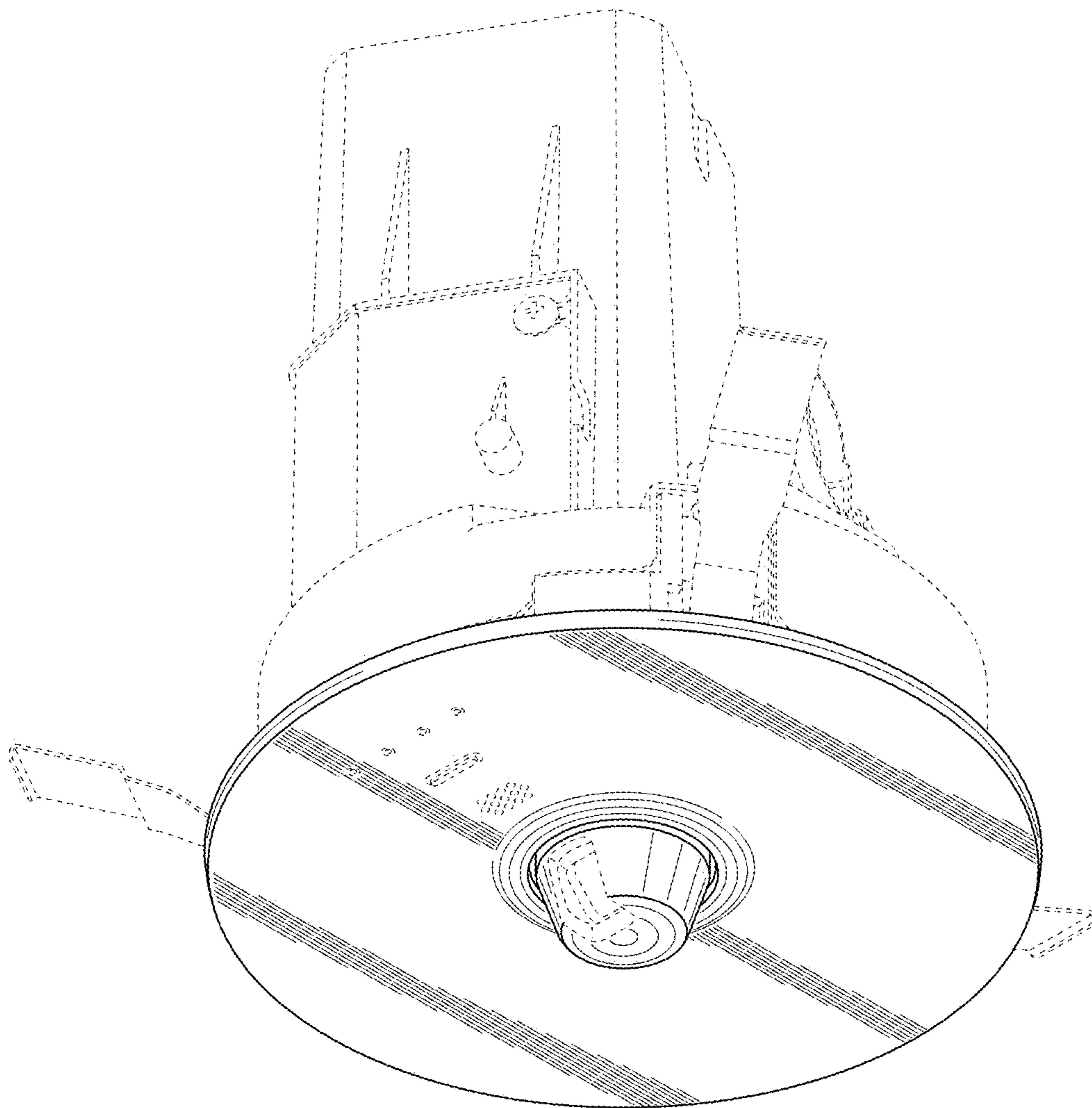
FIG. 1 is a perspective view 1 of an infrared sensor, showing our new design;  
FIG. 2 is a perspective view 2 thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a top view thereof;  
FIG. 6 is a bottom view thereof;  
FIG. 7 is a right side view thereof;  
FIG. 8 is a left side view thereof; and,  
FIG. 9 is an enlarged cross-sectional view taken along line 9-9 in FIG. 3 thereof.

The parts shown in the broken lines do not form part of the claimed design.

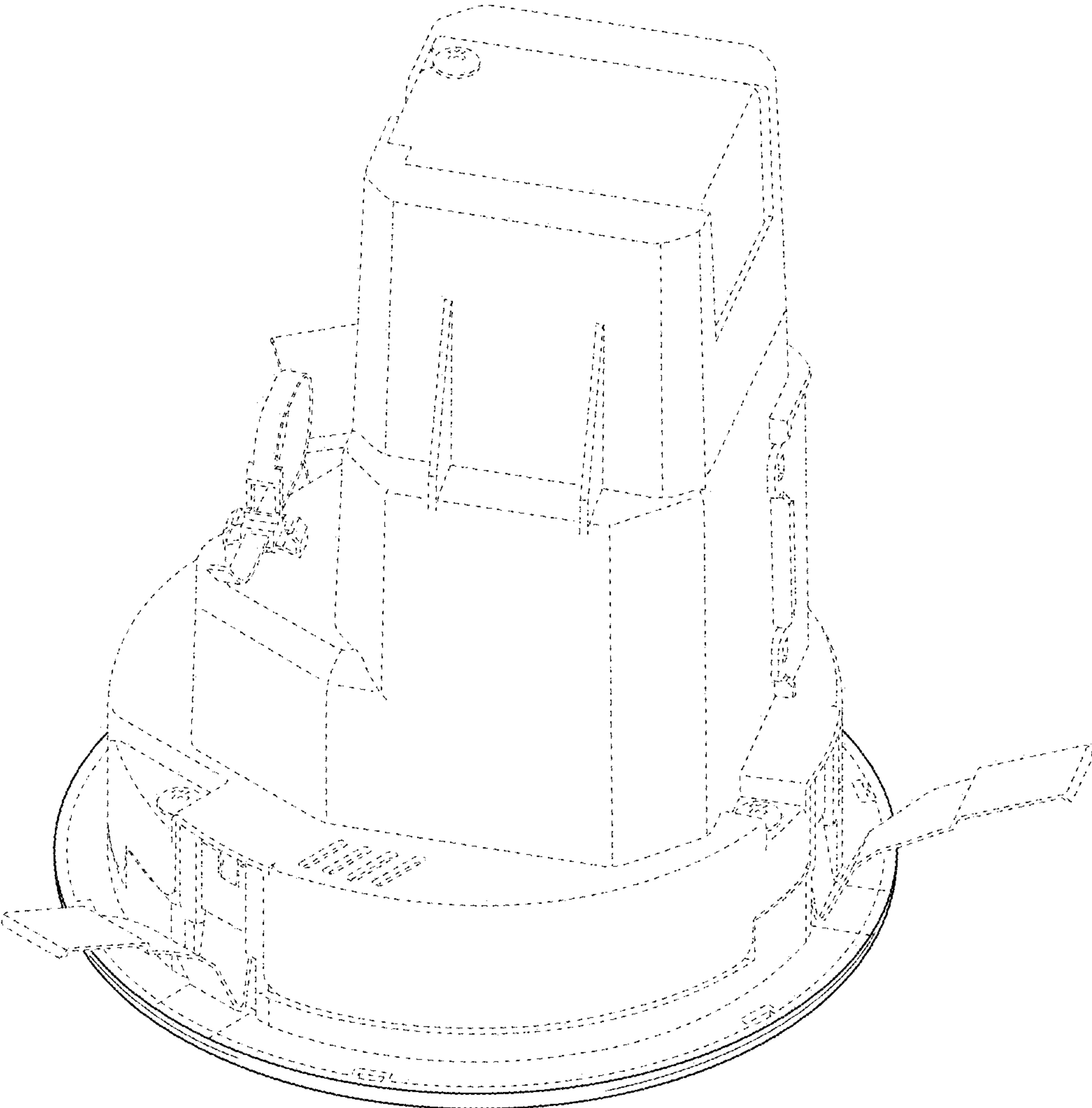
**1 Claim, 9 Drawing Sheets**



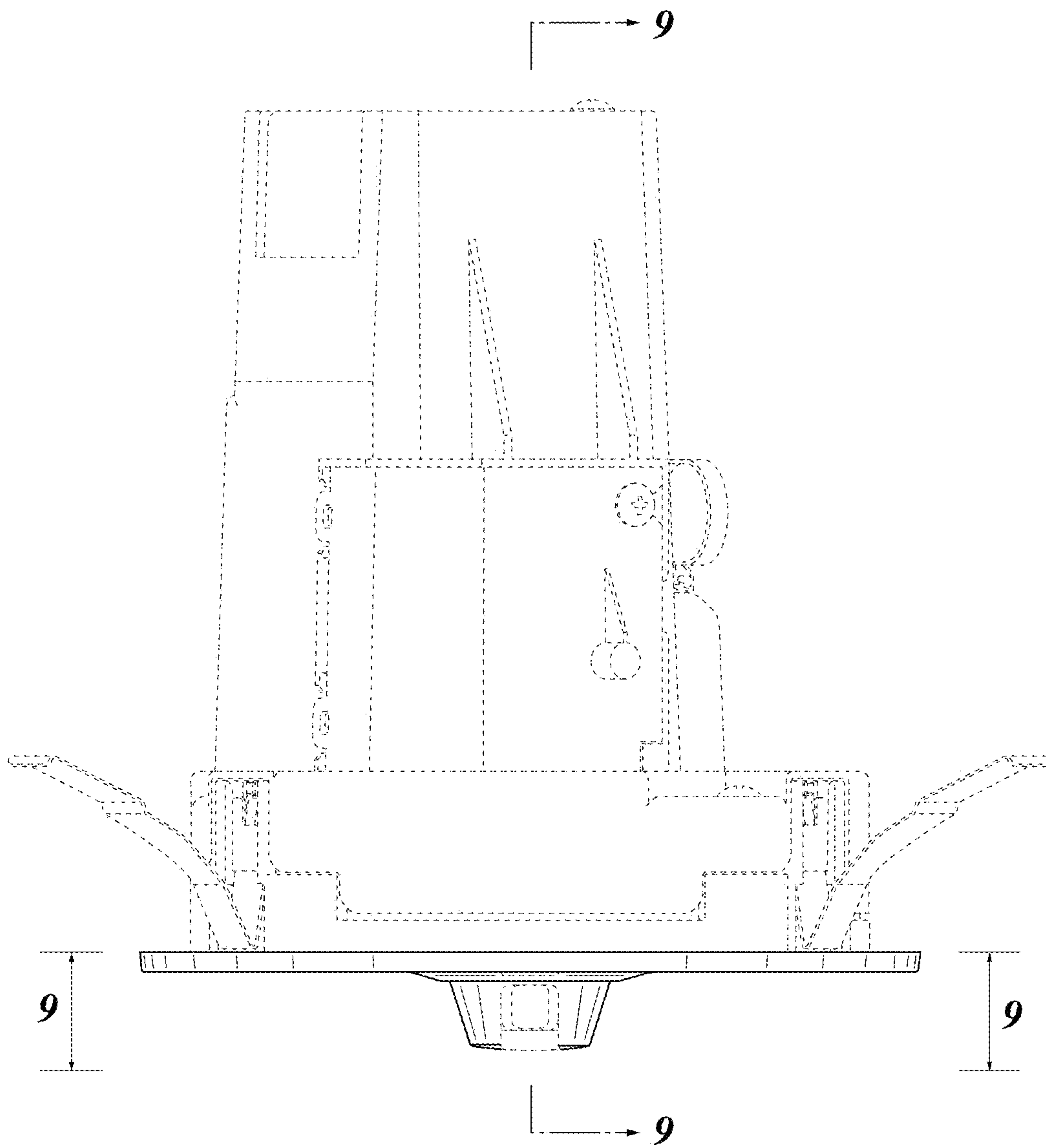
**FIG. 1**



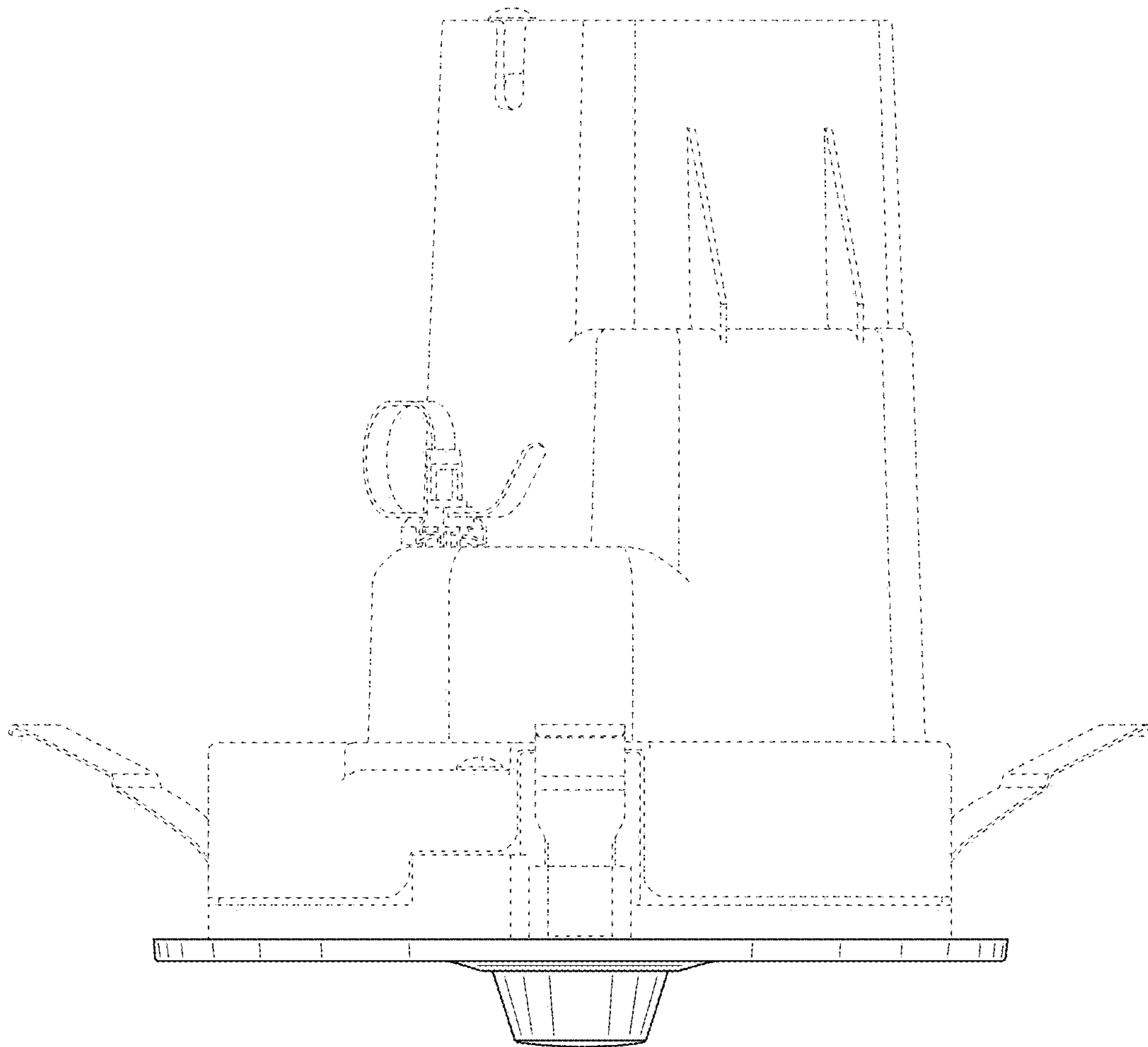
**FIG. 2**



**FIG. 3**

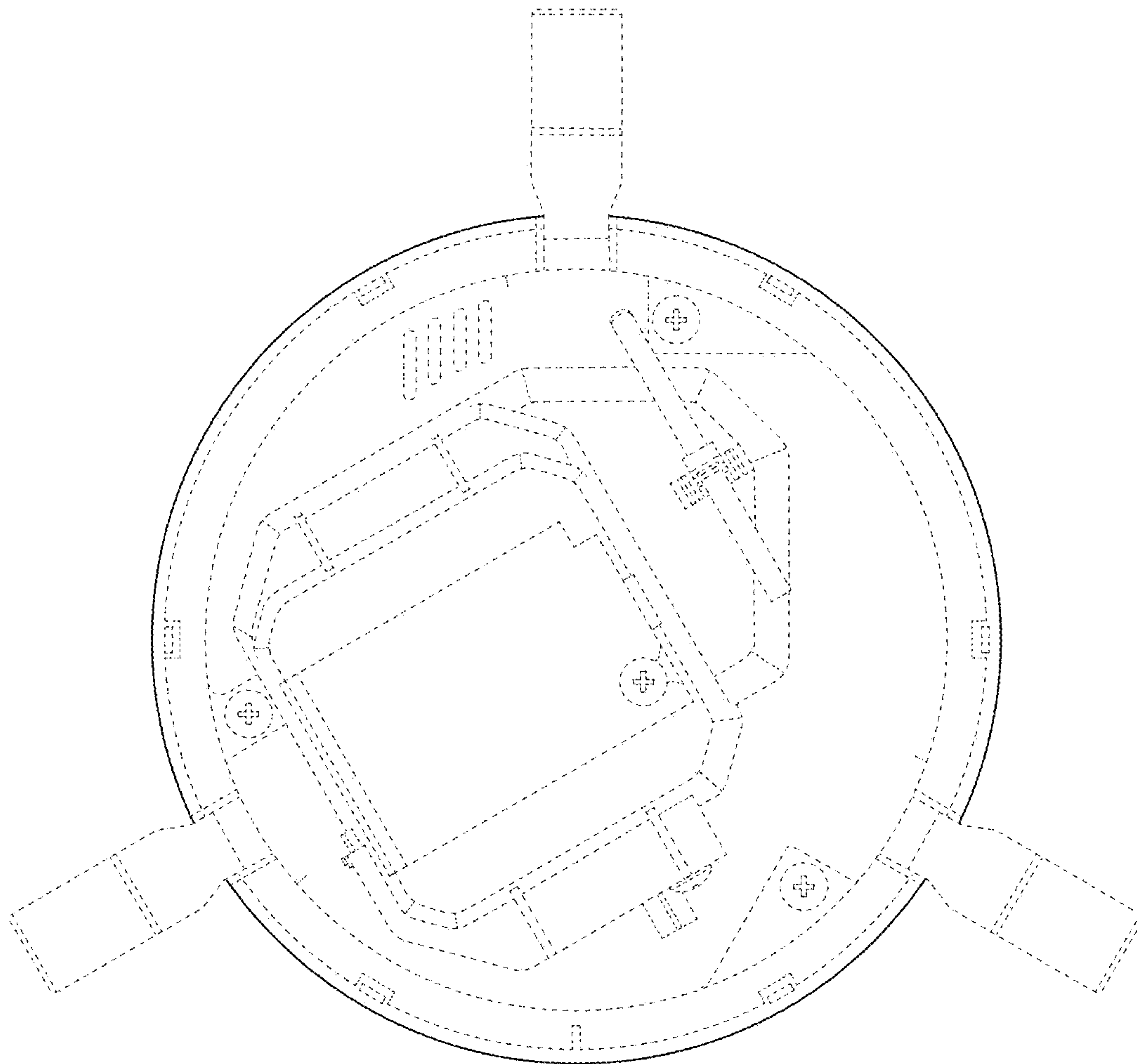


**FIG. 4**

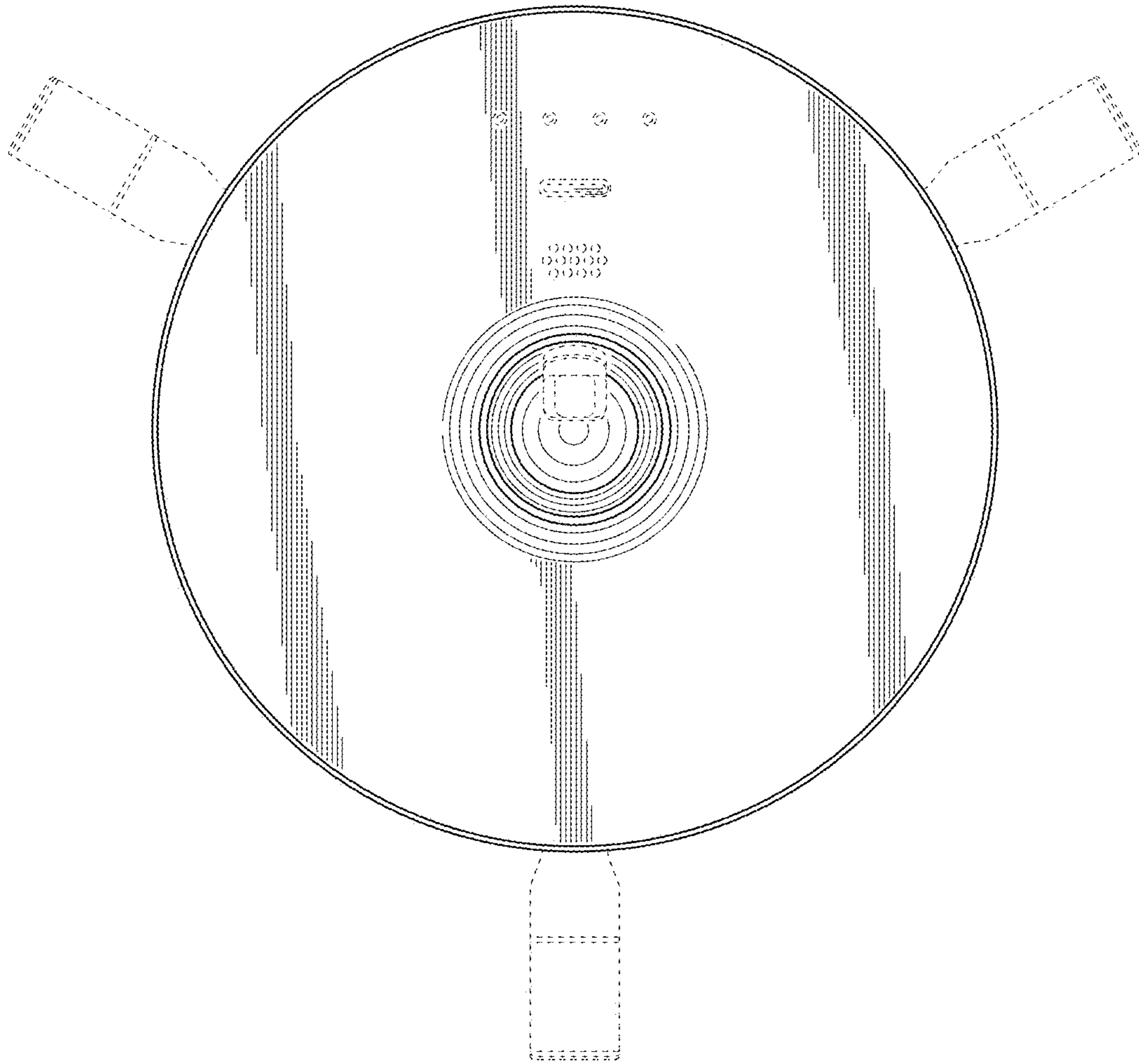




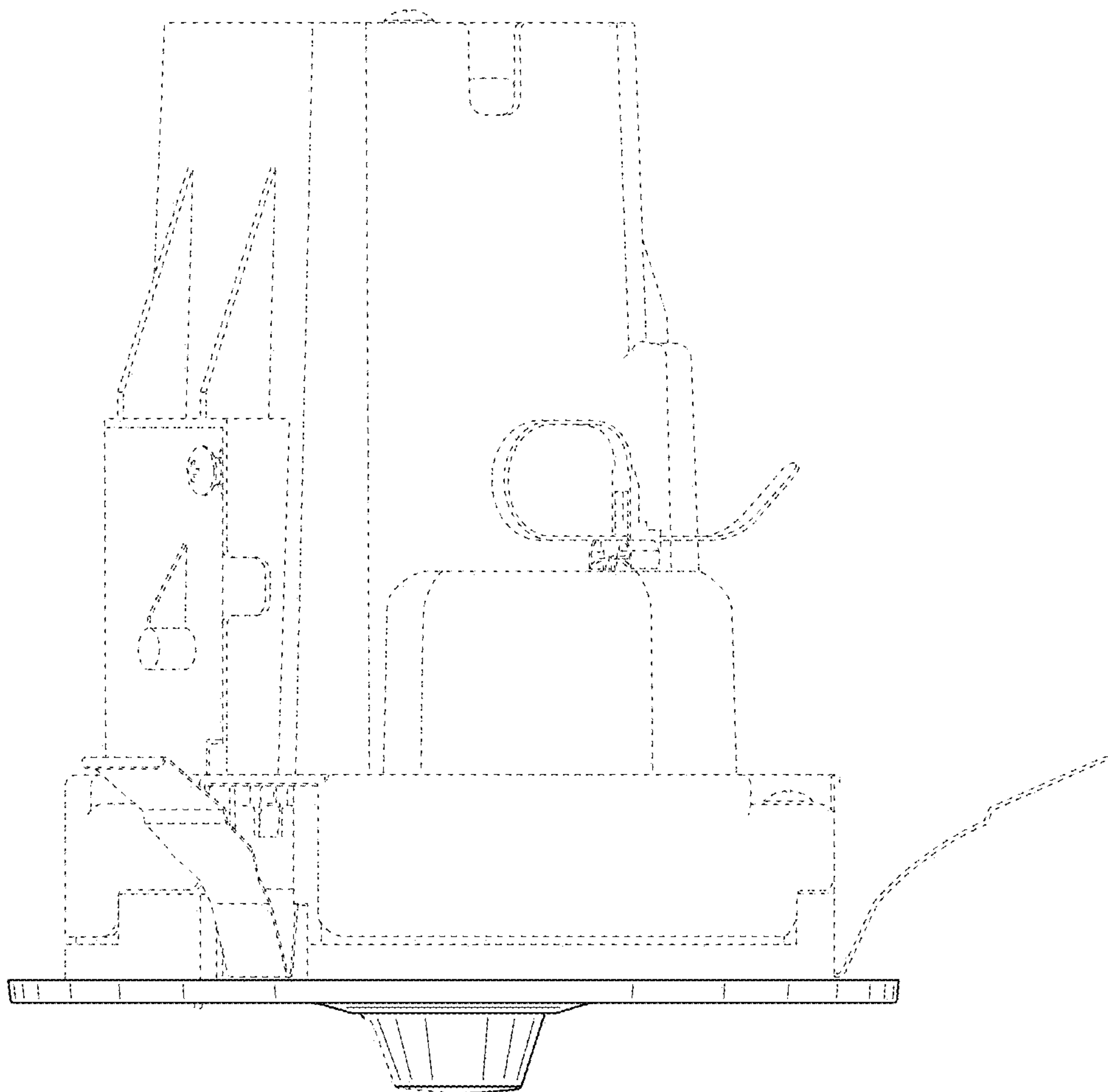
**FIG. 5**



**FIG. 6**

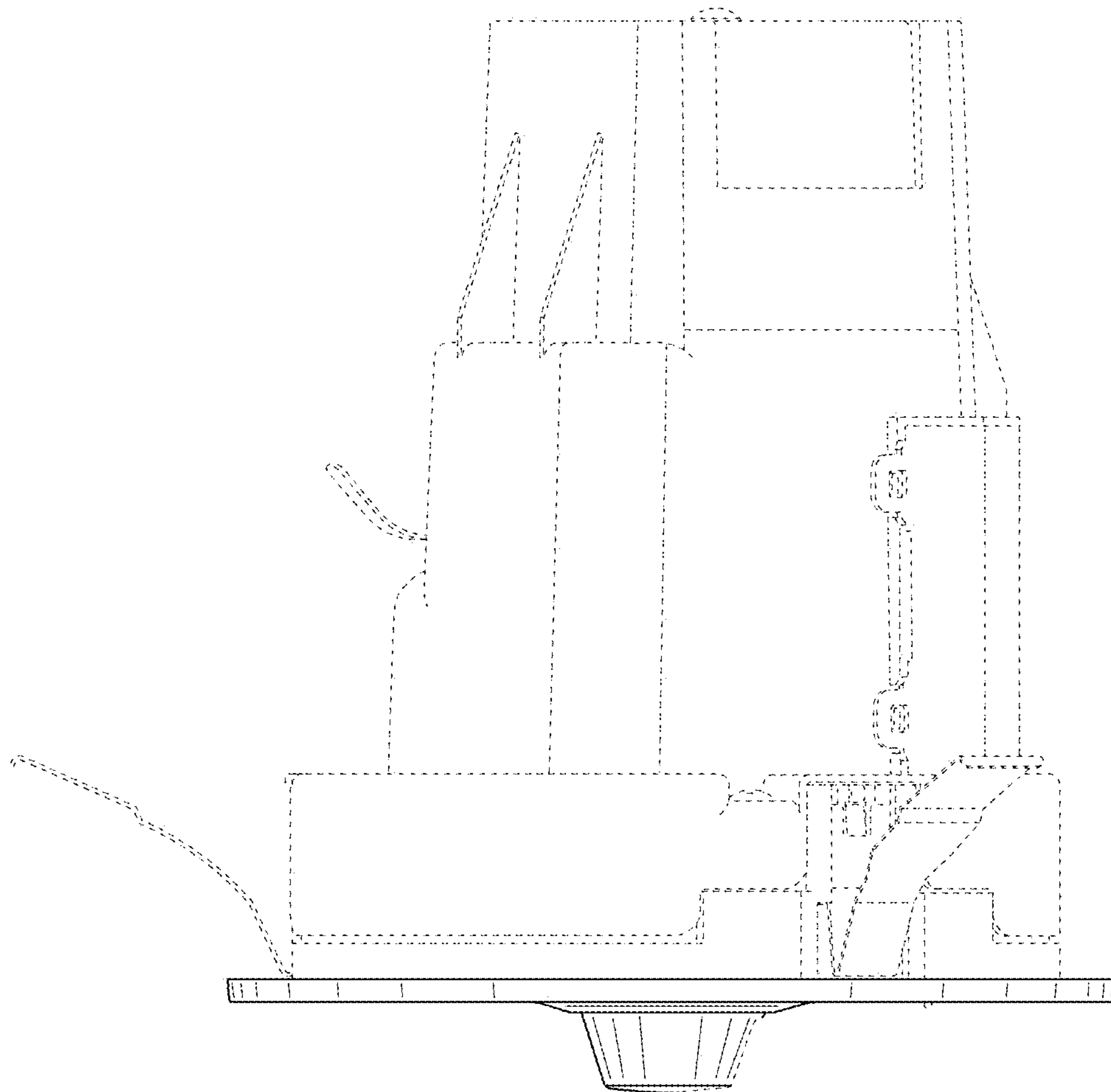


**FIG. 7**





**FIG. 8**



*FIG. 9*

