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(12) **United States Design Patent** (10) **Patent No.:** **US D971,750 S**  
**Deng** (45) **Date of Patent:** **\*\* Dec. 6, 2022**

(54) **METAL DETECTOR**

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

(Continued)

(21) Appl. No.: **29/807,950**

(22) Filed: **Sep. 16, 2021**

*Primary Examiner* — Keli L Hill

(51) **LOC (13) Cl.** ..... **10-04**

*Assistant Examiner* — Sara S Sahneh

(52) **U.S. Cl.**  
USPC ..... **D10/47**

(58) **Field of Classification Search**  
USPC ..... D10/47  
CPC ..... G01B 21/08; G01B 11/002; G01B 7/26;  
G01B 5/24; G01B 11/00; G01B 21/16;  
G01V 3/10; G01V 3/087; G01V 3/081;  
G01V 3/165; G01V 3/088; G01V 3/40;  
G01V 3/08; G01V 3/15; G01V 3/104;  
G01V 3/105; G01V 3/17; G06K 9/6215;  
G01C 19/00; G01P 15/08; G06V 10/143;  
H04W 4/029; H04W 4/02; G08B 21/24

See application file for complete search history.

(57) **CLAIM**

The ornamental design for a metal detector, as shown and described.

**DESCRIPTION**

(56) **References Cited**

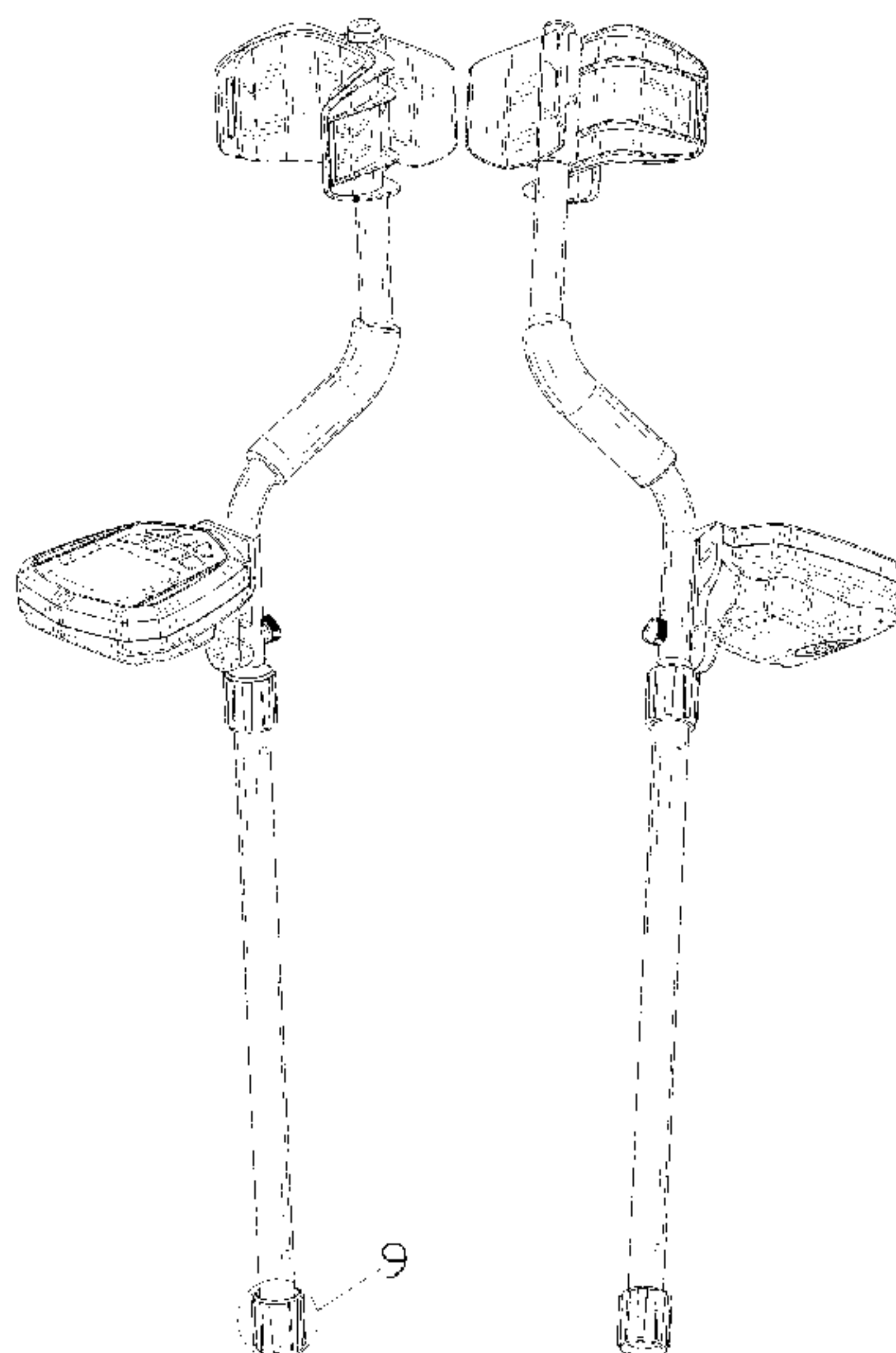
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FIG. 1 is a perspective view of a metal detector showing my new design;  
FIG. 2 is another perspective view thereof;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a rear elevational view thereof;  
FIG. 5 is a left side elevational view thereof;  
FIG. 6 is a right side elevational view thereof;  
FIG. 7 is a top plan view thereof;  
FIG. 8 is a bottom plan view thereof;  
FIG. 9 is an enlarged view of portion 9 shown in FIG. 1; and,  
FIG. 10 is an enlarged view of portion 10 shown in FIG. 4.  
The dash-dash broken lines in the drawings depict portions of the metal detector that form no part of the claimed design. The dot-dash broken lines represent boundaries of the enlarged portion and form no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



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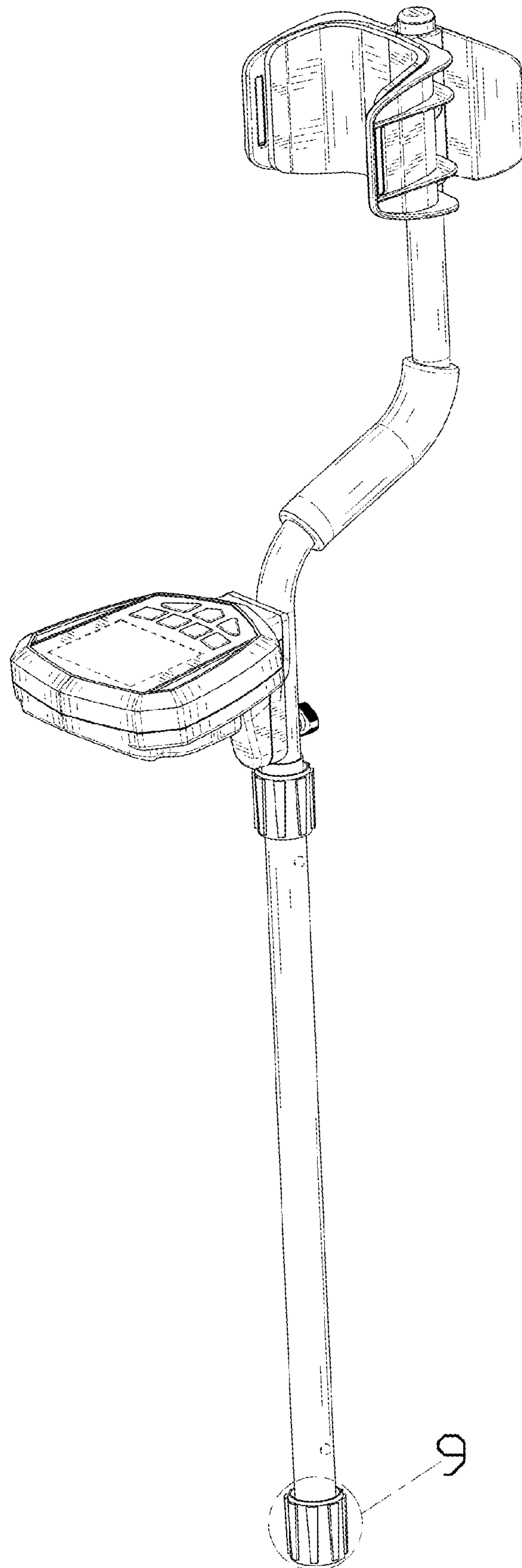


FIG. 1

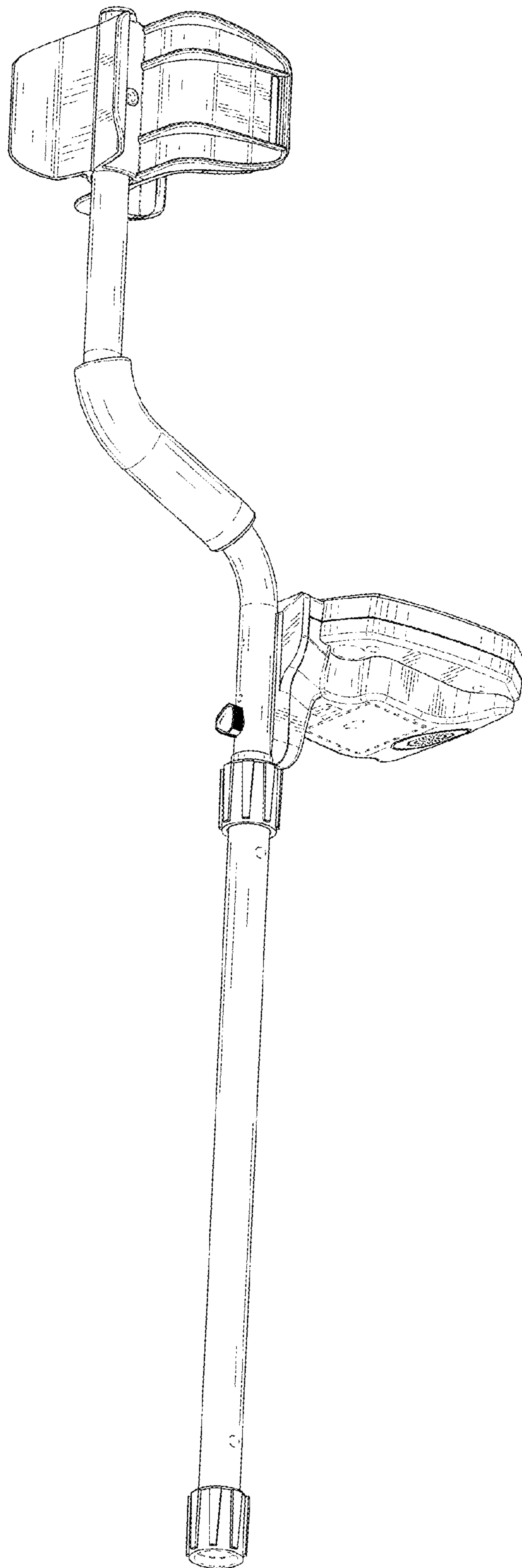


FIG. 2

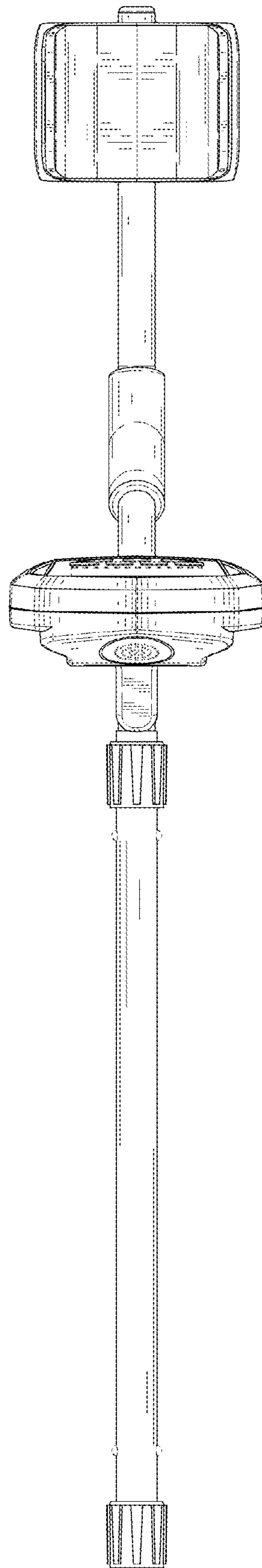


FIG. 3

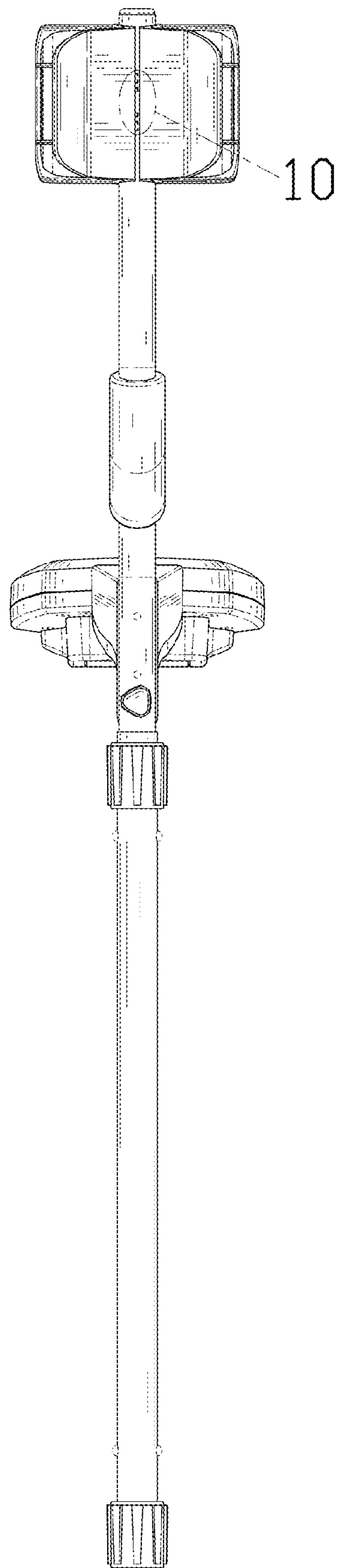


FIG. 4



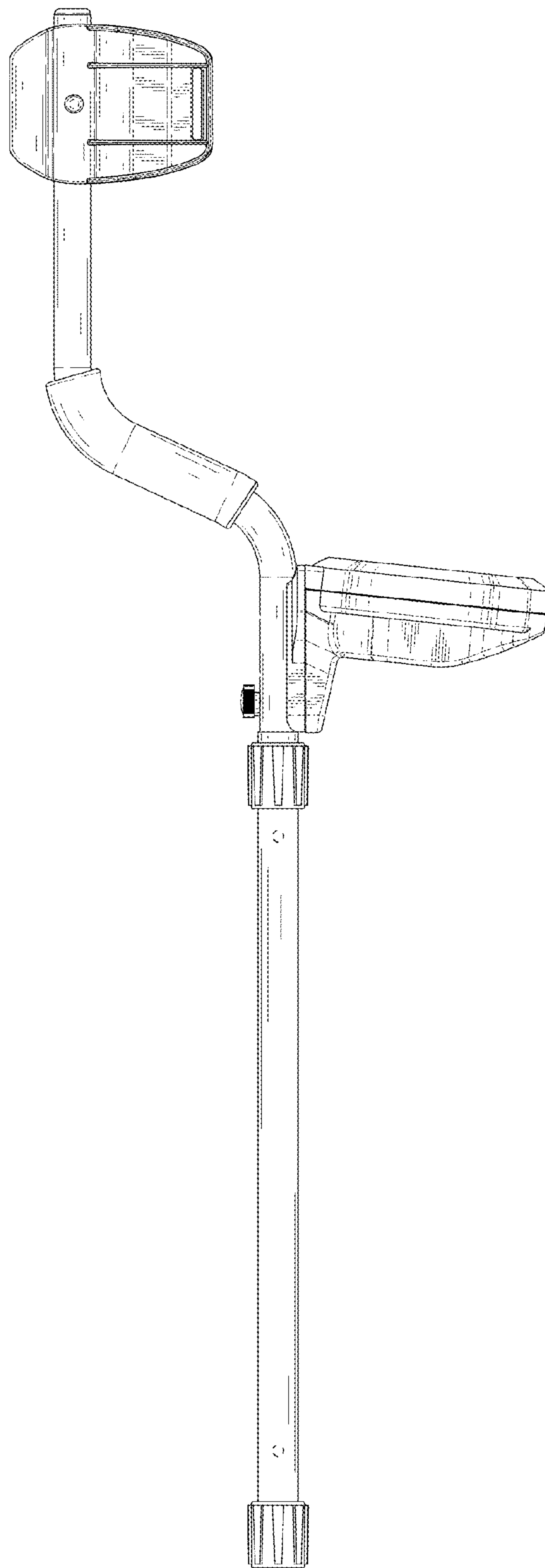


FIG. 5

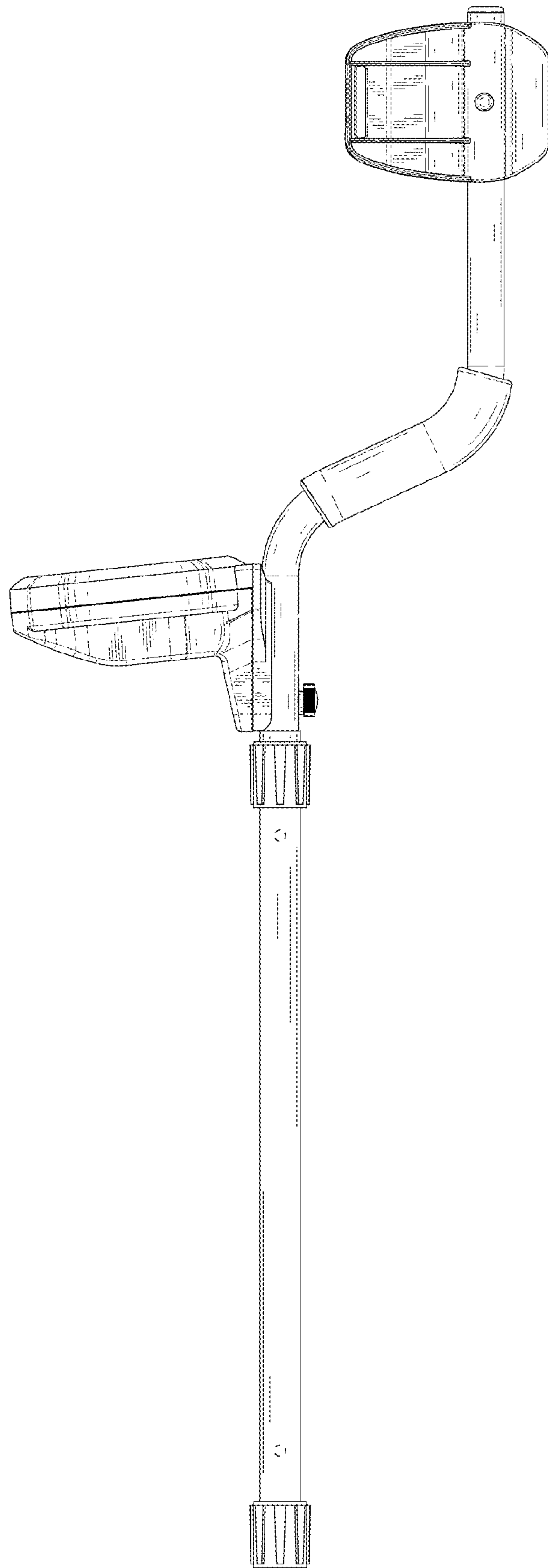


FIG. 6



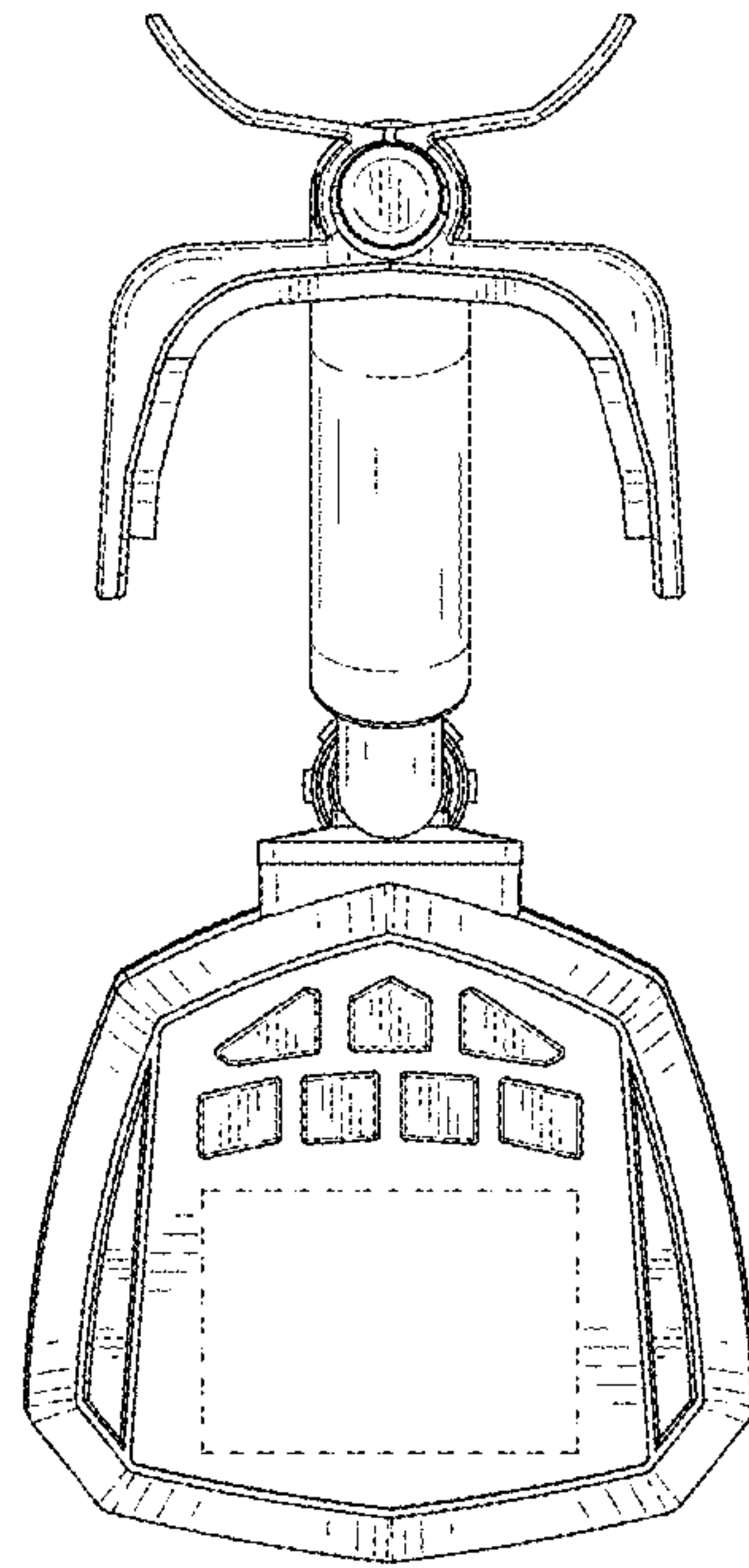


FIG. 7

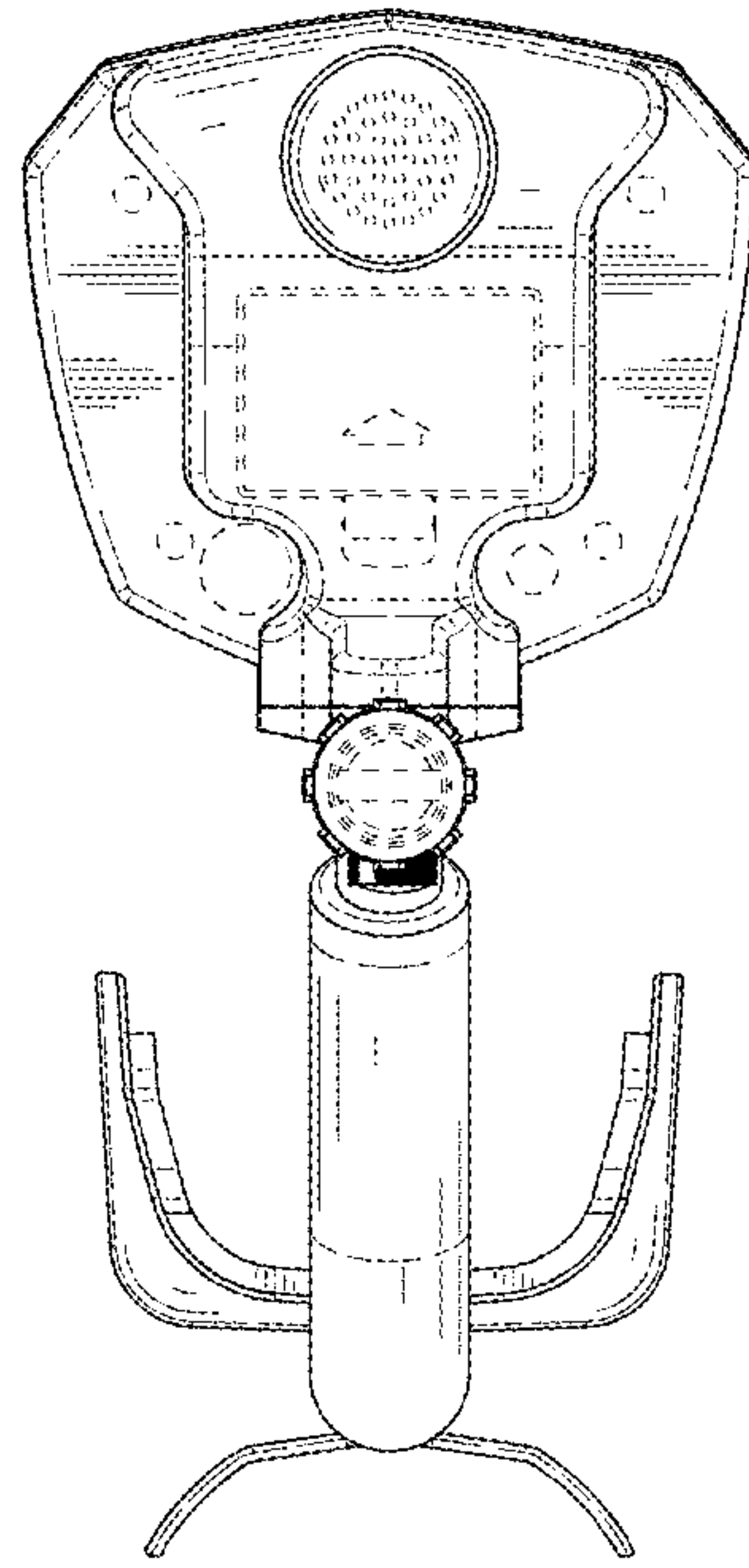


FIG. 8

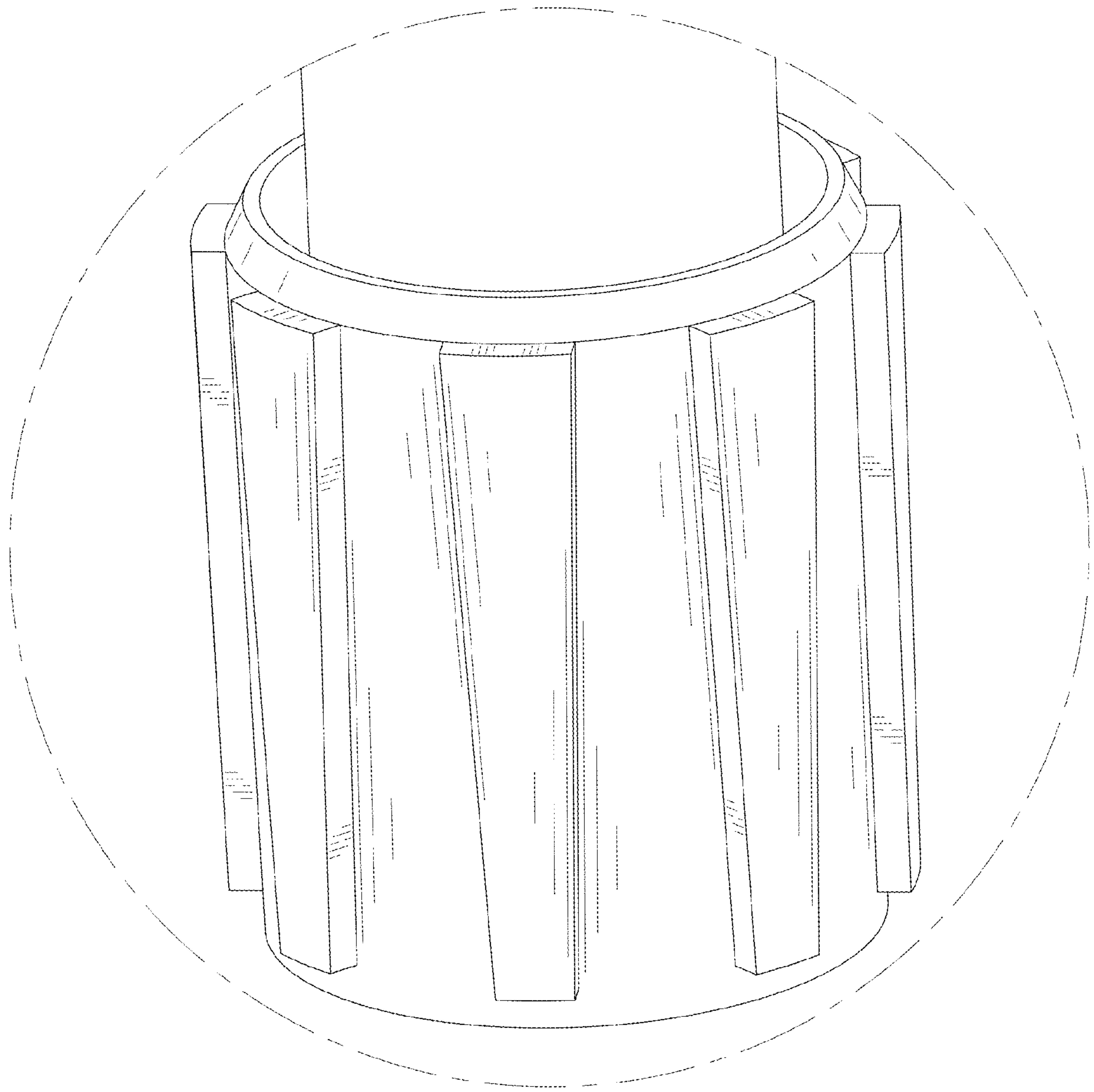


FIG. 9

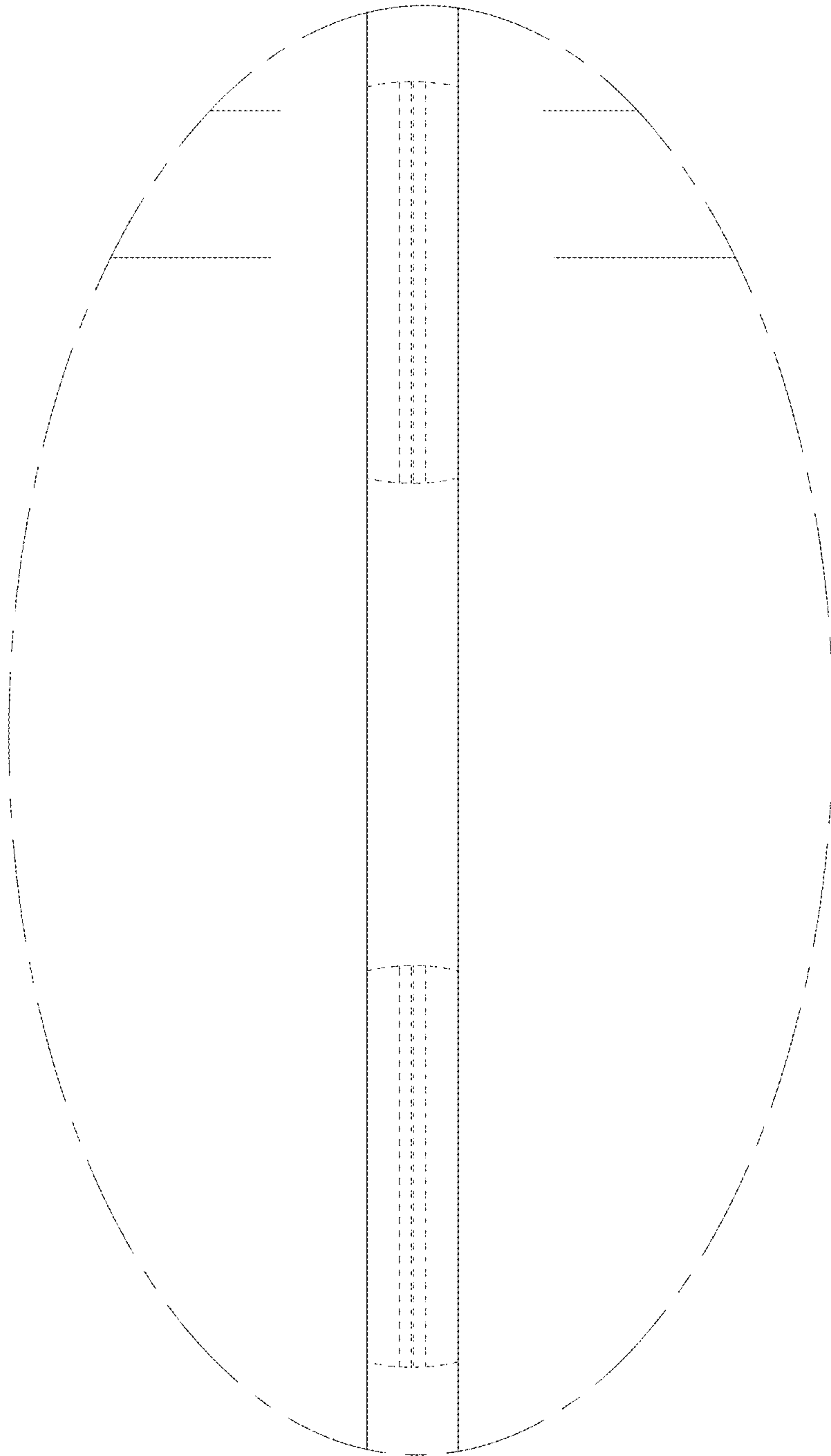


FIG. 10