



US00D887870S

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

(10) **Patent No.:** **US D887,870 S**  
(45) **Date of Patent:** **\*\* Jun. 23, 2020**

- (54) **DETECTOR FOR METAL**
  - (71) Applicant: **Shanghai tymex tools Ltd.**, Shanghai (CN)
  - (72) Inventor: **Xiaolin Qin**, Shanghai (CN)
  - (\*\*) Term: **15 Years**
  - (21) Appl. No.: **29/720,988**
  - (22) Filed: **Jan. 16, 2020**
  - (51) **LOC (12) Cl.** ..... **10-04**
  - (52) **U.S. Cl.**  
USPC ..... **D10/47**
  - (58) **Field of Classification Search**  
USPC ..... D10/47  
CPC ... G01V 3/00; G01V 3/02; G01V 3/04; G01V 3/06; G01V 3/08; G01V 3/081; G01V 3/082; G01V 3/083; G01V 2003/084; G01V 2003/085; G01V 2003/086; G01V 3/087; G01V 3/088; G01V 3/10; G01V 3/101; G01V 3/102; G01V 3/104; G01V 3/105; G01V 3/107; G01V 3/108; G01V 3/12; G01V 3/14; G01V 3/15; G01V 3/16; G01V 3/165; G01V 3/17; G01V 3/175; G01V 3/18; G01V 3/20; G01V 3/22; G01V 3/24; G01V 3/26; G01V 3/265; G01V 3/28; G01V 3/30; G01V 3/32; G01V 3/34; G01V 3/36; G01V 3/38; G01V 3/40
- See application file for complete search history.

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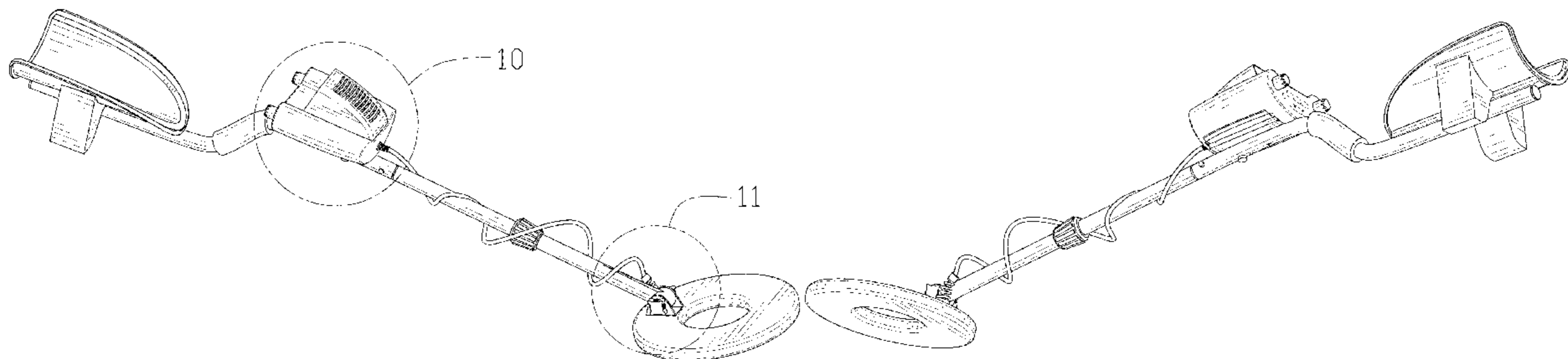
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front and top perspective view of a detector for metal, showing my new design;  
 FIG. 2 is a rear and bottom perspective view thereof;  
 FIG. 3 is a front perspective view thereof, showing the detector for metal in a shortened position;  
 FIG. 4 is a front elevational view thereof;  
 FIG. 5 is a rear elevational view thereof;  
 FIG. 6 is a left side elevational view thereof;  
 FIG. 7 is a right side elevational view thereof;  
 FIG. 8 is a top plan view thereof;  
 FIG. 9 is a bottom plan view thereof;  
 FIG. 10 is an enlarged view of a portion indicated in FIG. 1; and,  
 FIG. 11 is an enlarged view of a portion indicated in FIG. 1. The broken lines in the figures illustrate portions of the detector for metal that form no part of the claimed design. The dash dot dash lines in FIGS. 1, 10 and 11 are for the purpose of depicting the cut line of the enlarged view and form no part of the claim.

**1 Claim, 11 Drawing Sheets**



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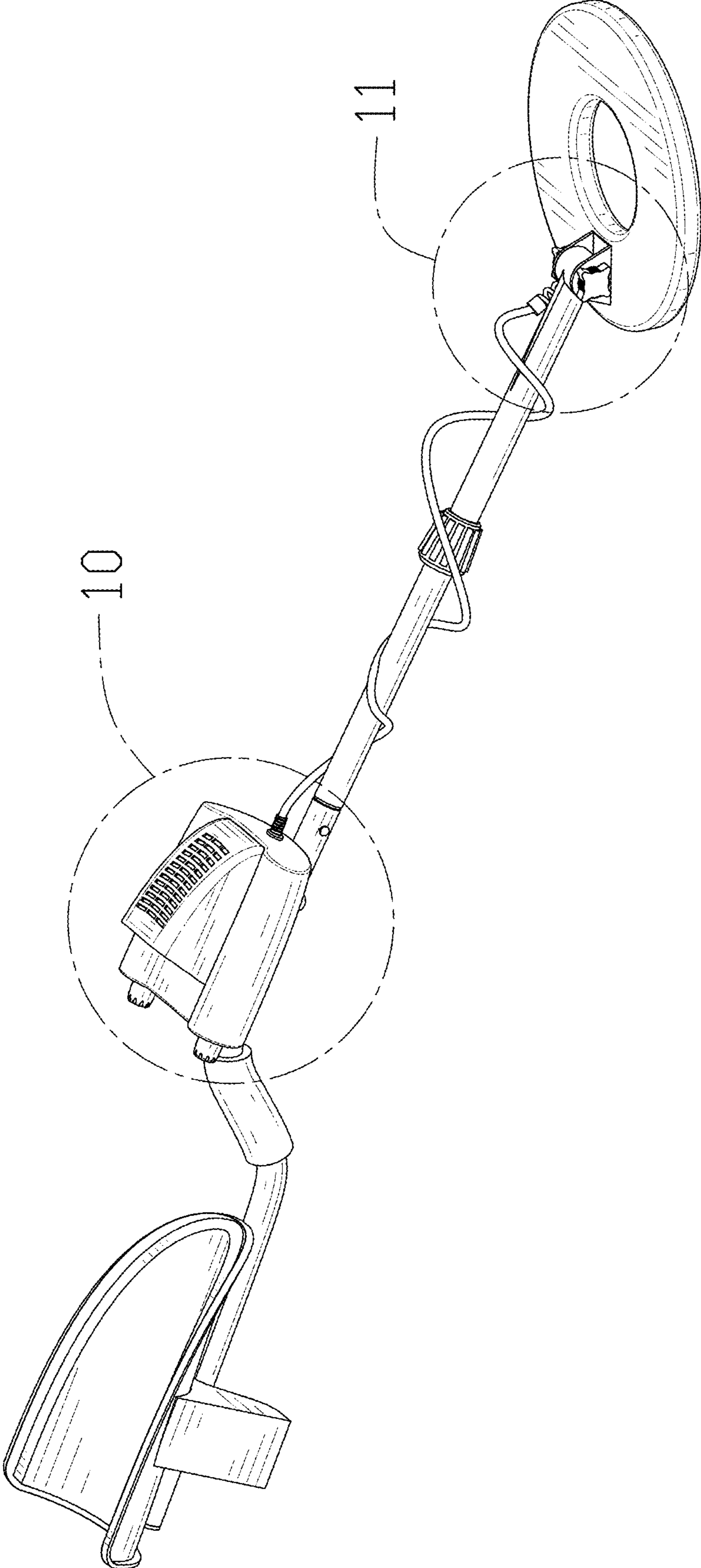


FIG. 1

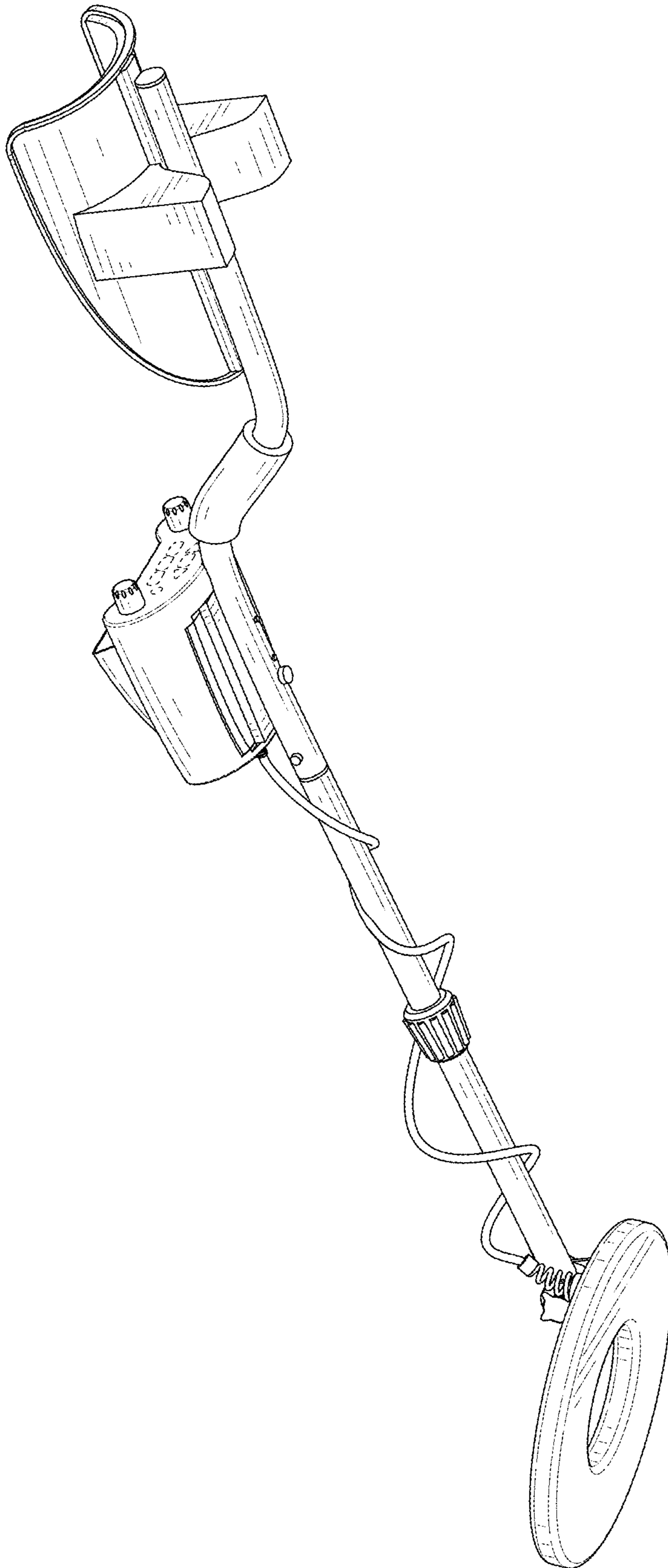


FIG. 2

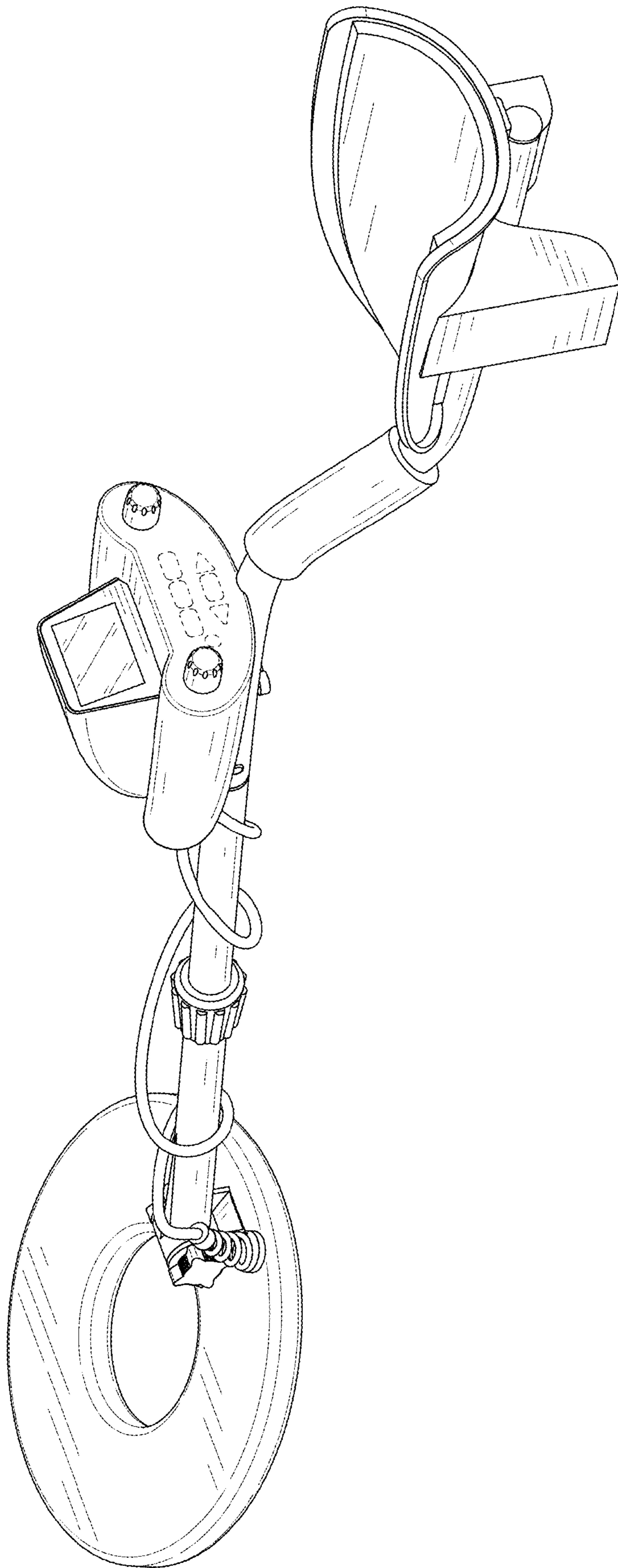


FIG. 3

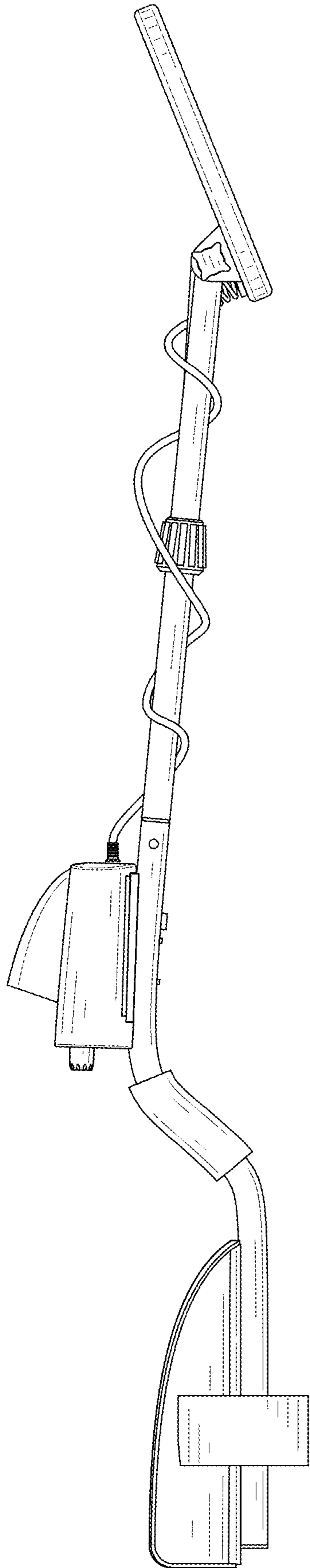


FIG. 4

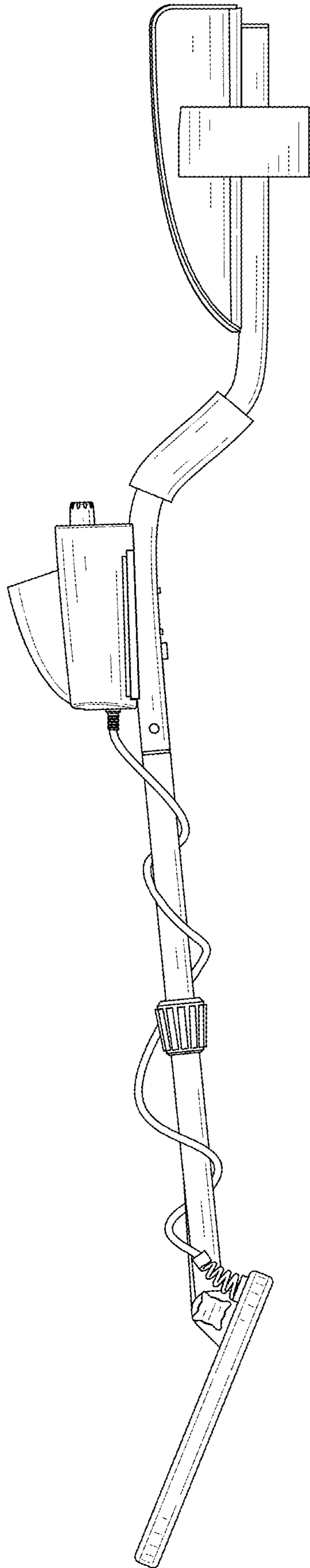


FIG. 5

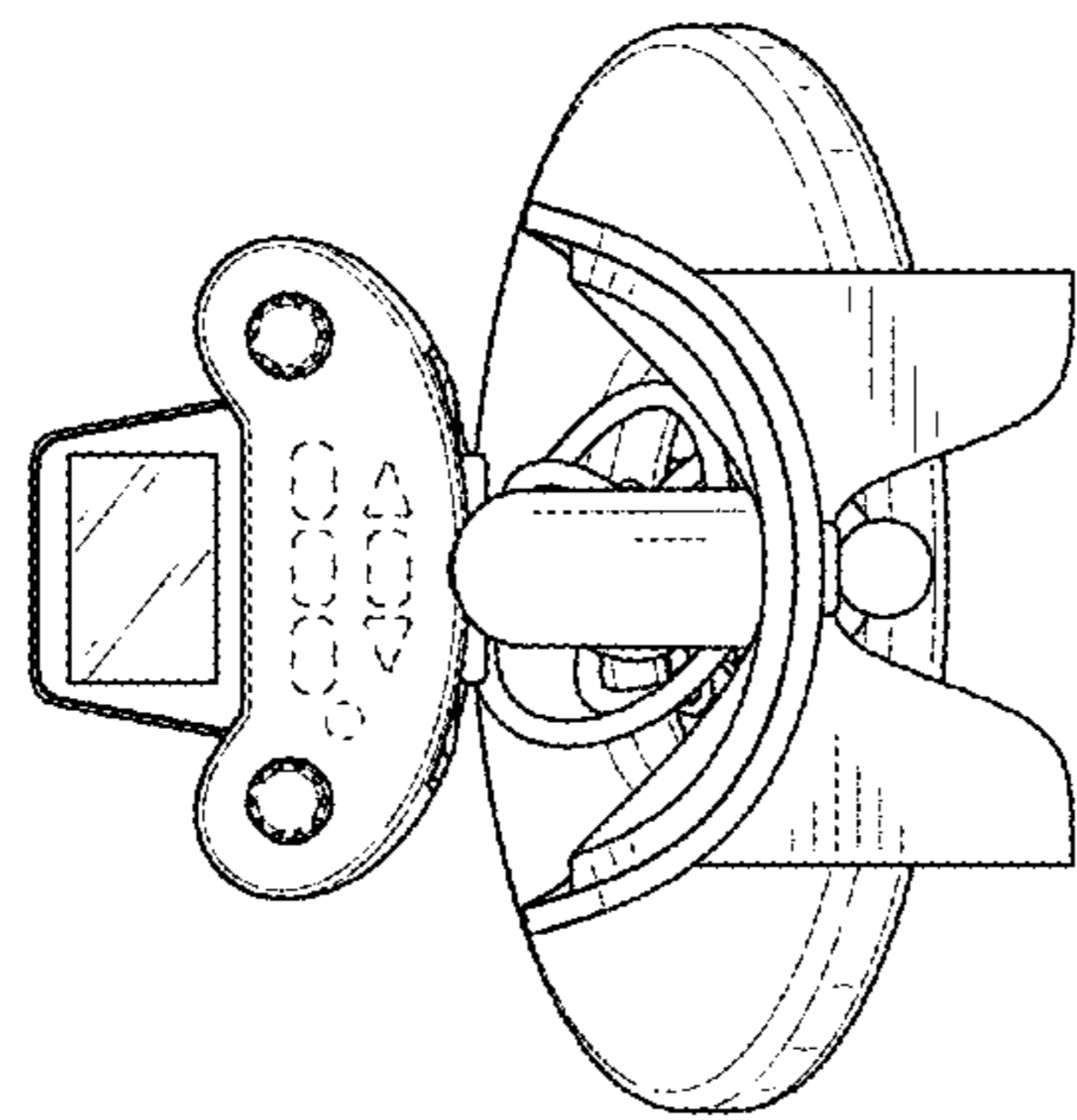


FIG. 6



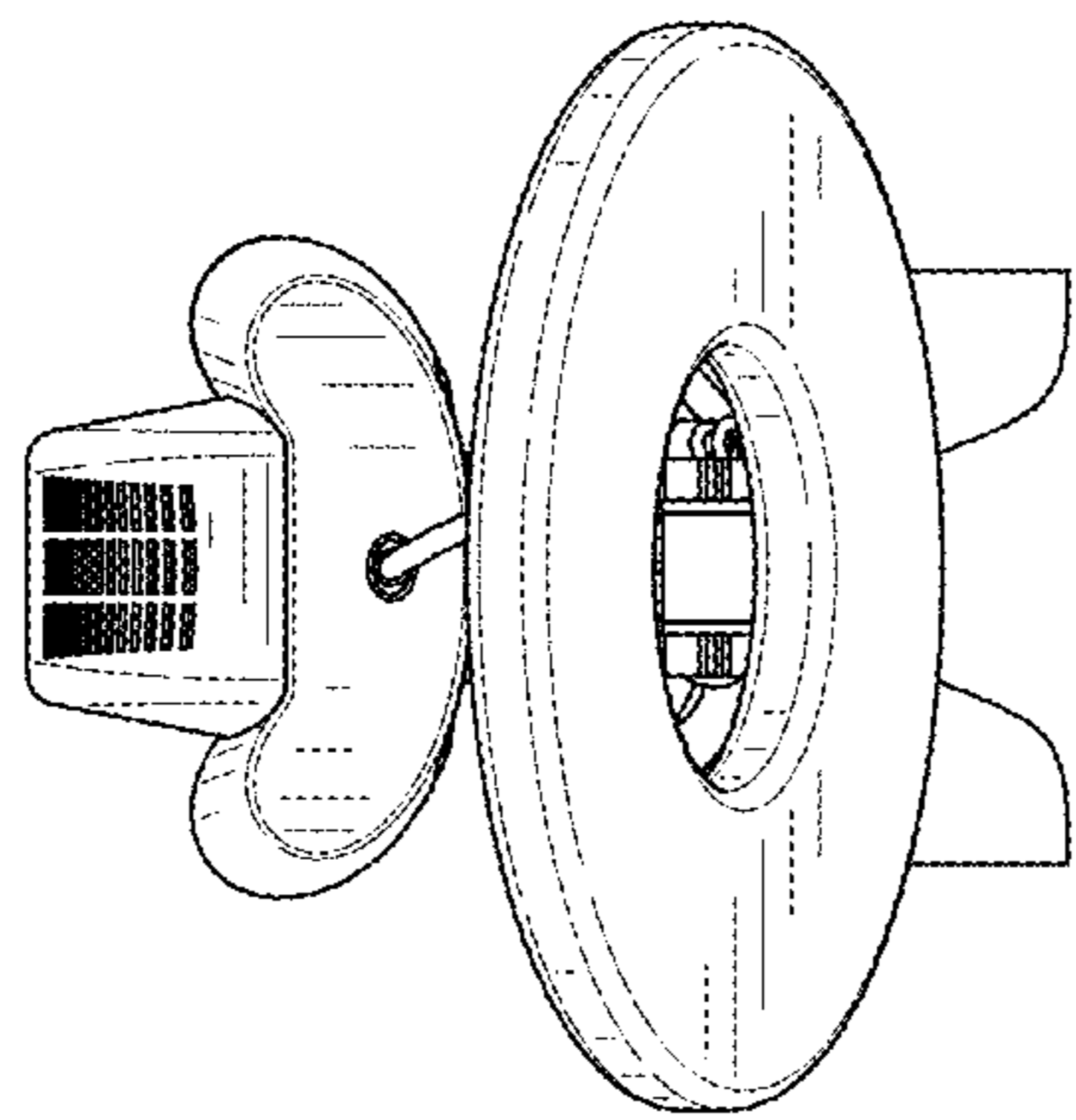


FIG. 7

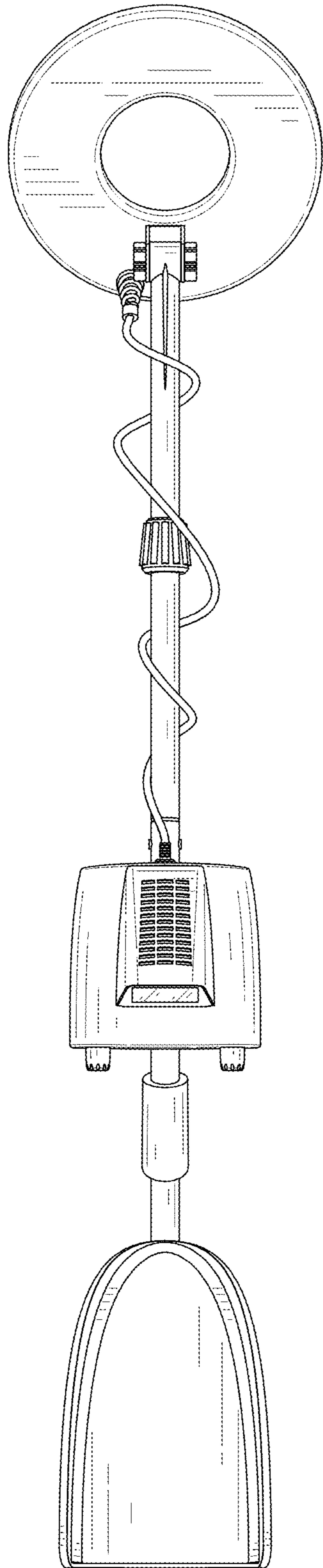


FIG. 8

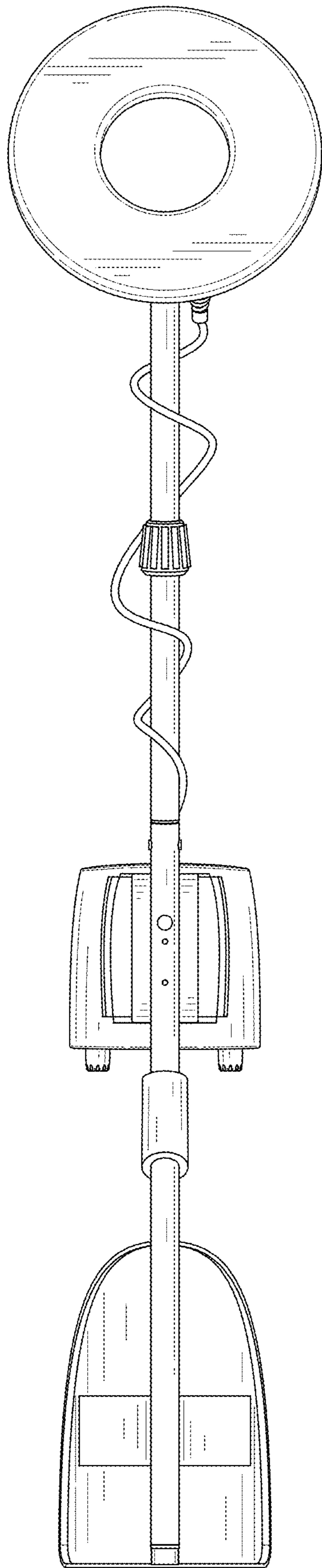


FIG. 9

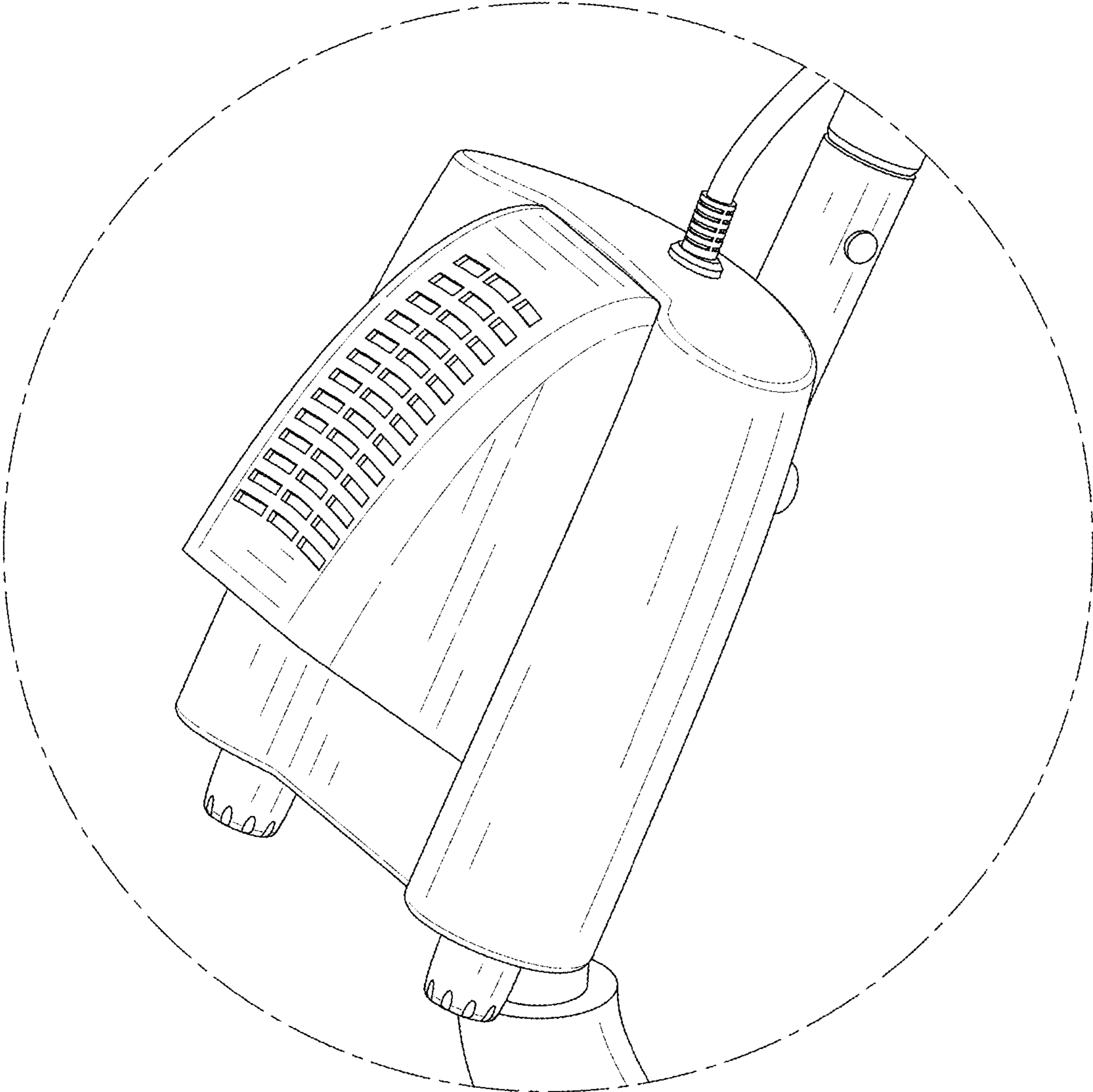


FIG. 10

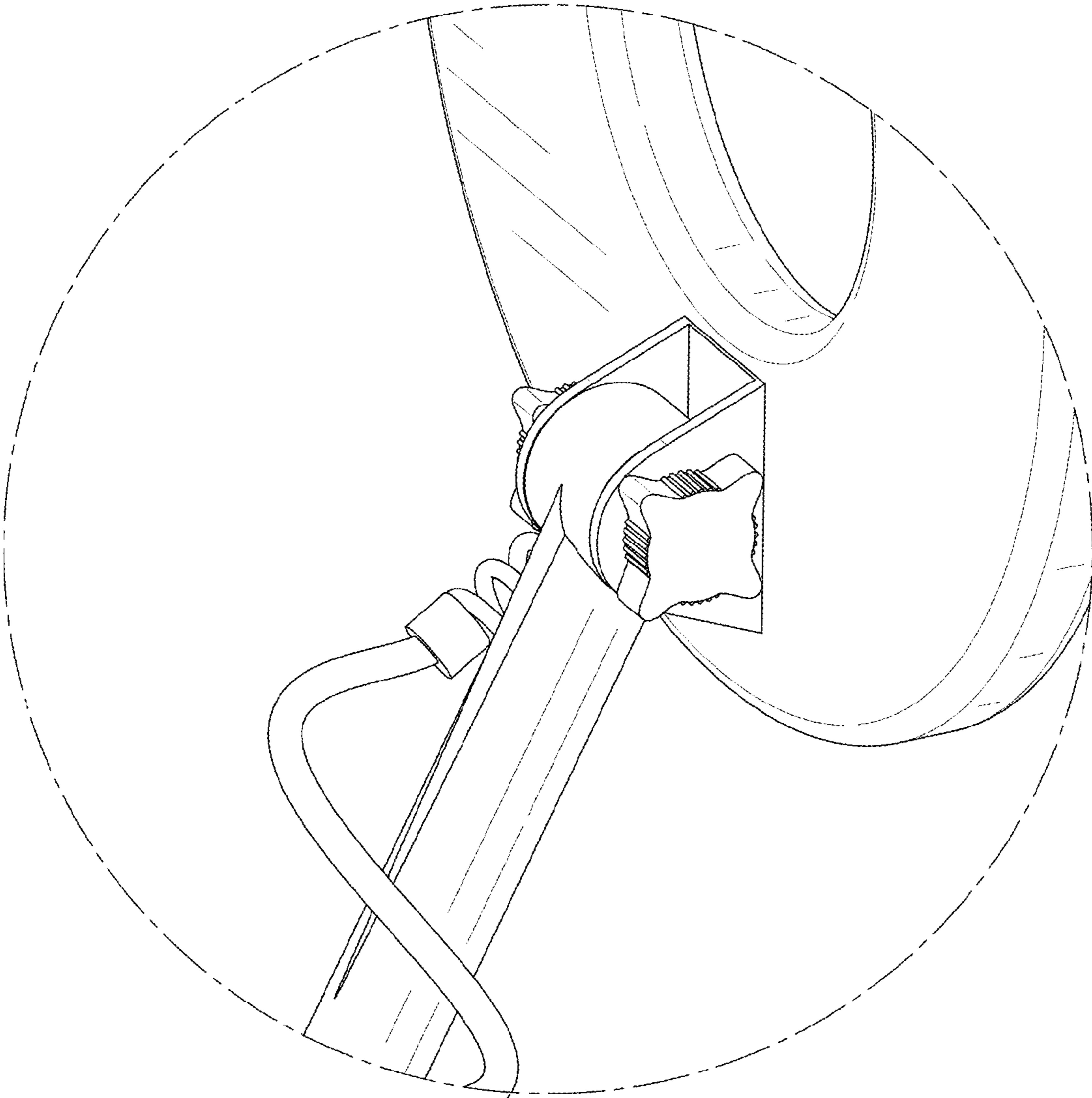


FIG. 11