



US00D951440S

(12) **United States Design Patent** (10) **Patent No.:** **US D951,440 S**  
**Tsubouchi et al.** (45) **Date of Patent:** **\*\* May 10, 2022**

(54) **SUCTION STABILIZER FOR MINIMALLY INVASIVE OFF-PUMP BYPASS SURGERY**

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(71) Applicant: **TERUMO CARIDOVASCULAR SYSTEMS CORPORATION**, Ann Arbor, MI (US)

(57) **CLAIM**

The ornamental design for a suction stabilizer for minimally invasive off-pump bypass surgery, as shown and described.

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**DESCRIPTION**

(73) Assignee: **Terumo Cardiovascular Systems Corporation**, Ann Arbor, MI (US)

FIG. 1 is a top perspective view of a suction stabilizer for minimally invasive off-pump bypass surgery embodying our design with a bendable shaft at a first orientation.

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

FIG. 2 is a top plan view thereof with the bendable shaft at the first orientation.

(21) Appl. No.: **29/695,153**

FIG. 3 is a bottom plan view thereof with the bendable shaft at the first orientation.

(22) Filed: **Jun. 17, 2019**

FIG. 4 is a side elevational view thereof with the bendable shaft at the first orientation.

(51) **LOC (13) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/133**

FIG. 5 is a side elevational view thereof with the bendable shaft at the first orientation.

(58) **Field of Classification Search**  
USPC ..... D24/133, 128, 135, 159, 183, 184, 190;  
D15/140, 199

FIG. 6 is a front elevational view thereof with the bendable shaft at the first orientation.

FIG. 7 is a rear elevational view thereof with the bendable shaft at the first orientation.

(Continued)

FIG. 8 is a bottom perspective view thereof with the bendable shaft at the first orientation.

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FIG. 9 is a side perspective view of a suction stabilizer for minimally invasive off-pump bypass surgery embodying our design with a bendable shaft at a second orientation.

FIG. 10 is a front elevational view thereof with the bendable shaft at the second orientation.

FIG. 11 is a rear elevational view thereof with the bendable shaft at the second orientation.

(Continued)

FIG. 12 is a side elevational view thereof with the bendable shaft at the second orientation.

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FIG. 13 is a side elevational view thereof with the bendable shaft at the second orientation.

FIG. 14 is a top view thereof with the bendable shaft at the second orientation.

FIG. 15 is a bottom view thereof with the bendable shaft at the second orientation; and,

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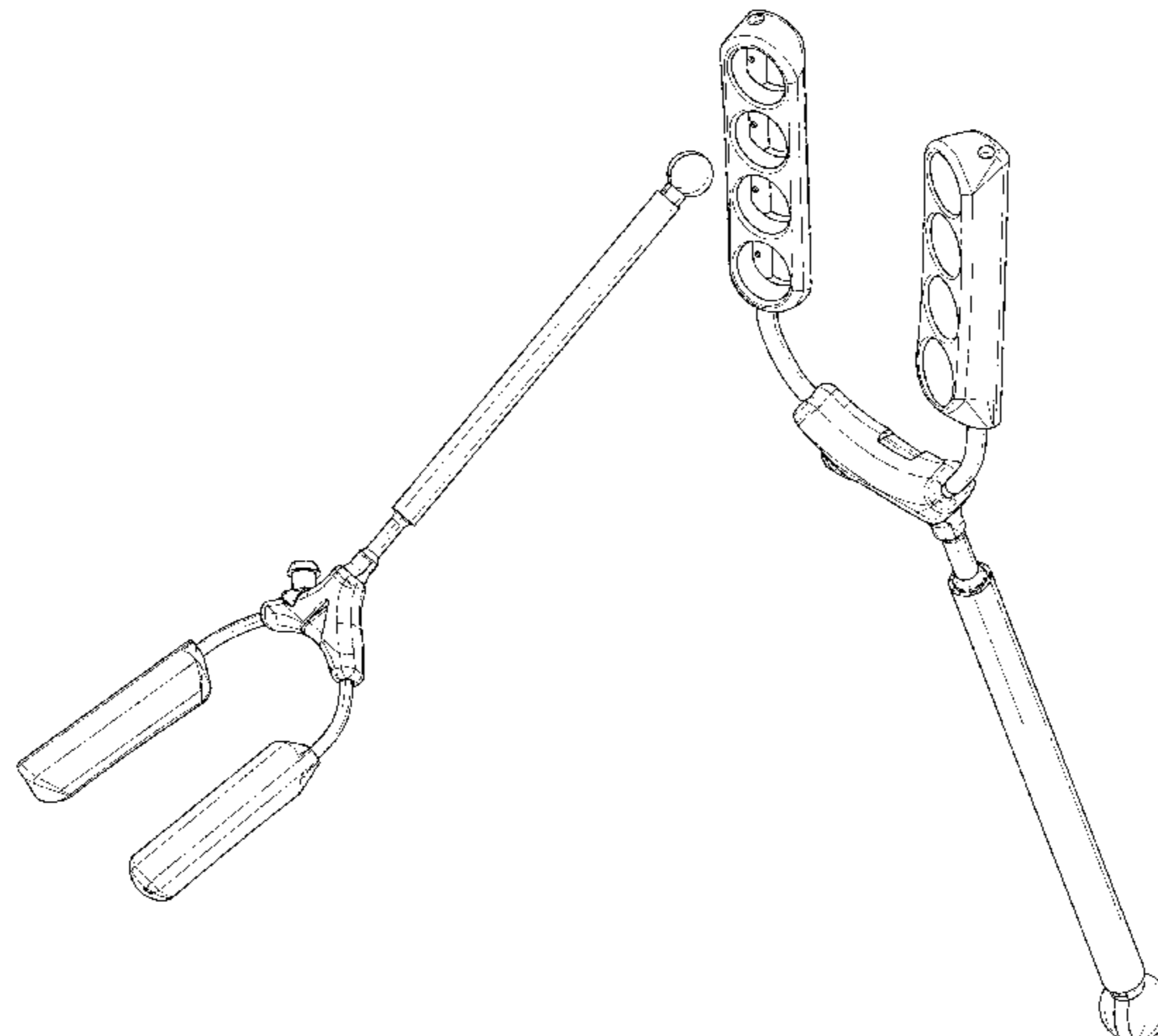


FIG. 16 is a bottom perspective view thereof with the bendable shaft at the second orientation.

**1 Claim, 14 Drawing Sheets**

**(58) Field of Classification Search**

CPC ..... A61B 2017/0287  
See application file for complete search history.

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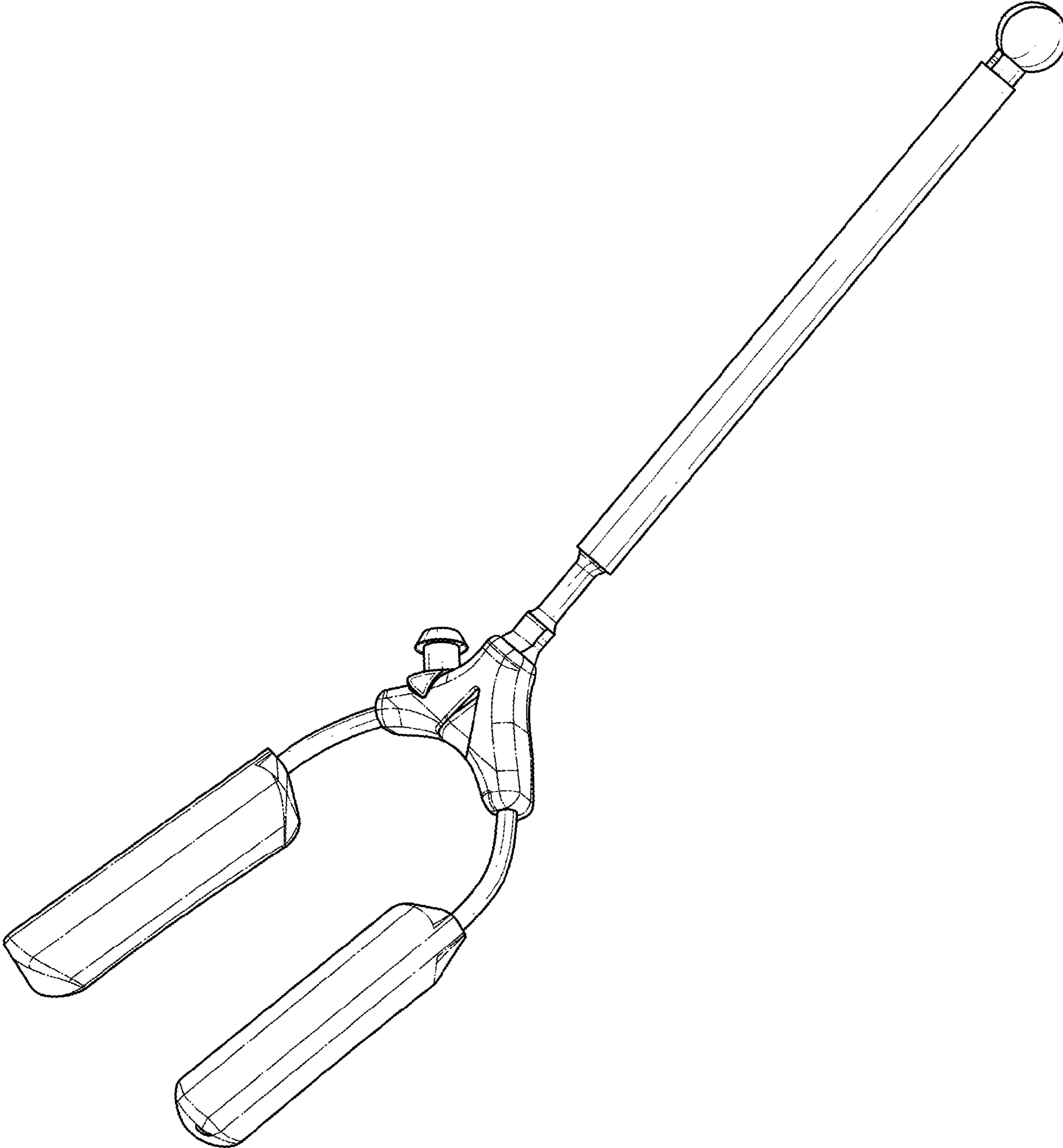


FIG. 1

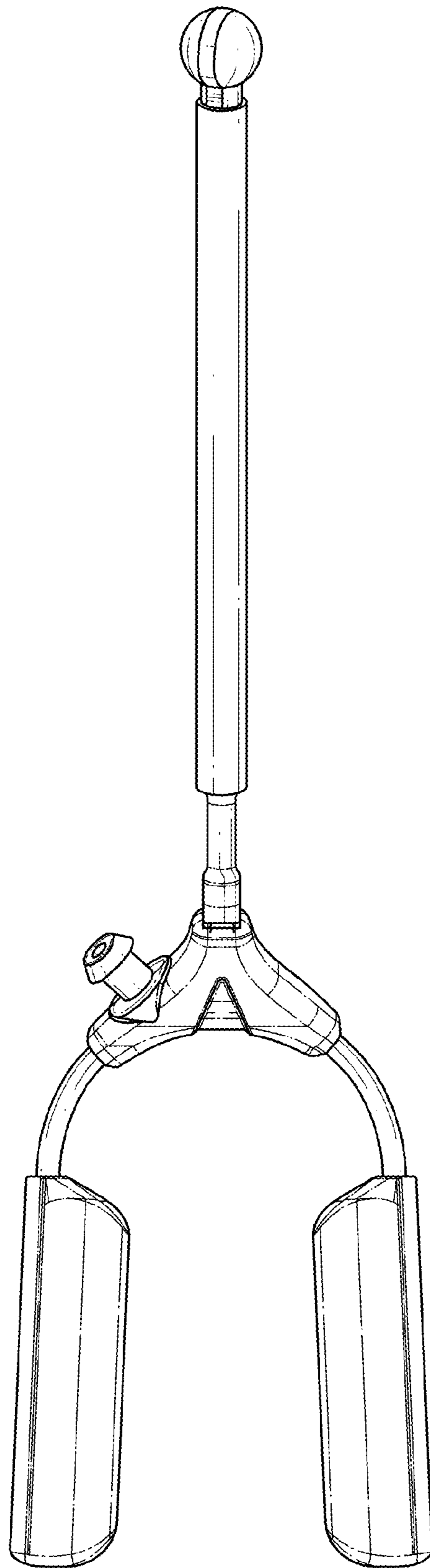


FIG. 2

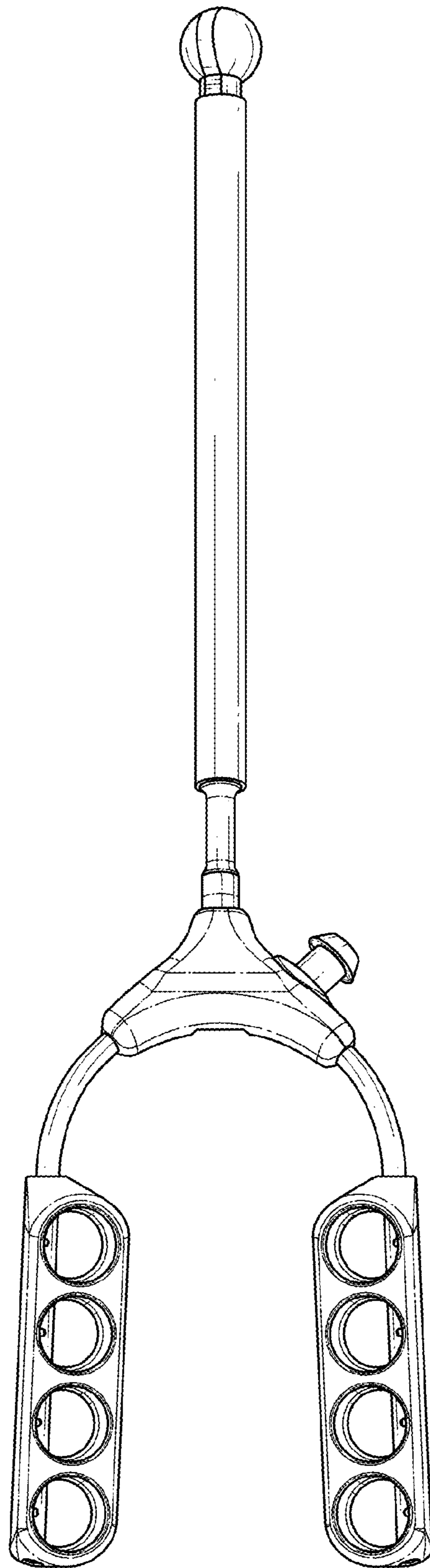


FIG. 3

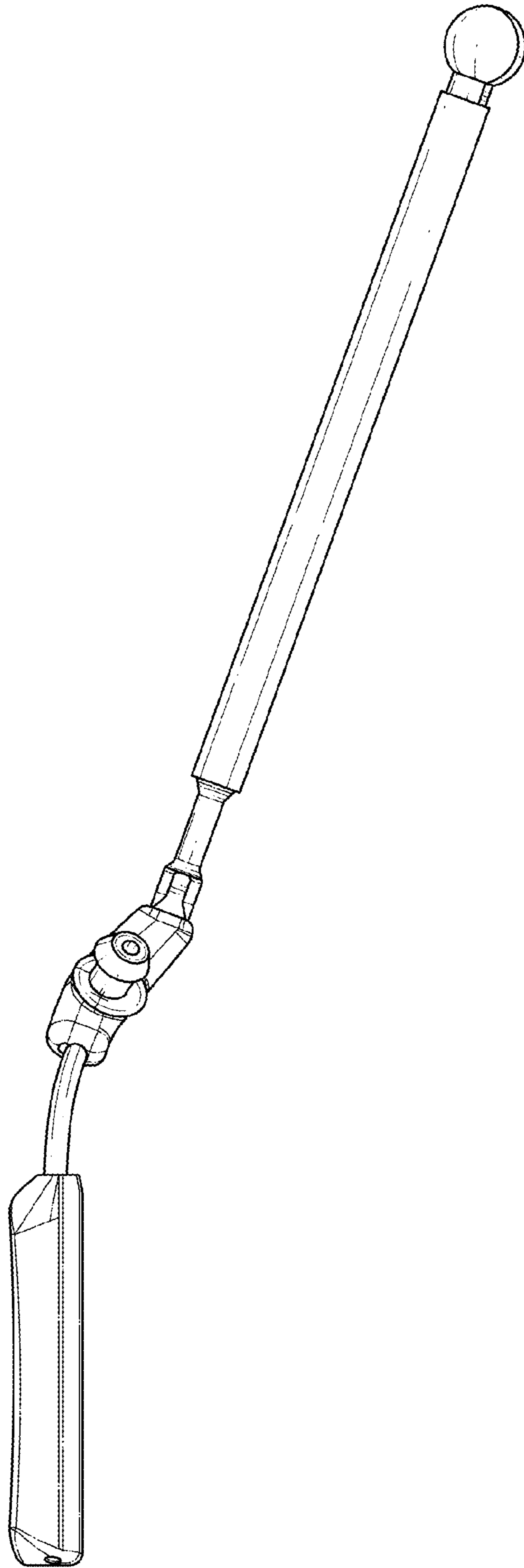


FIG. 4

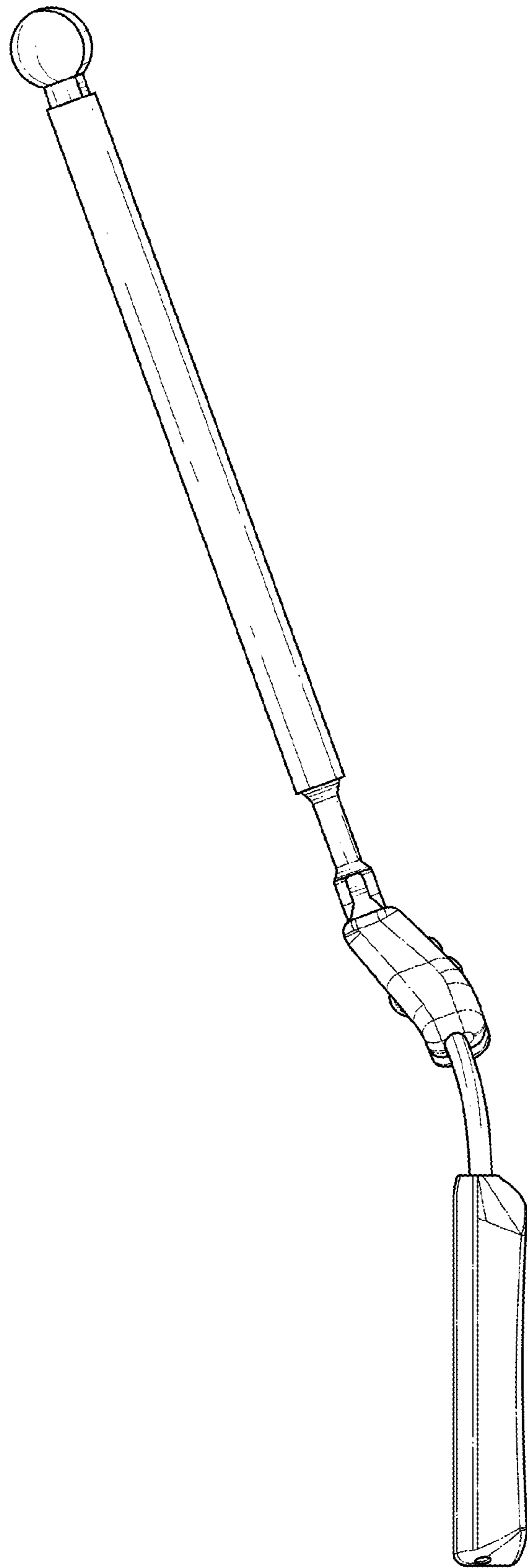


FIG. 5

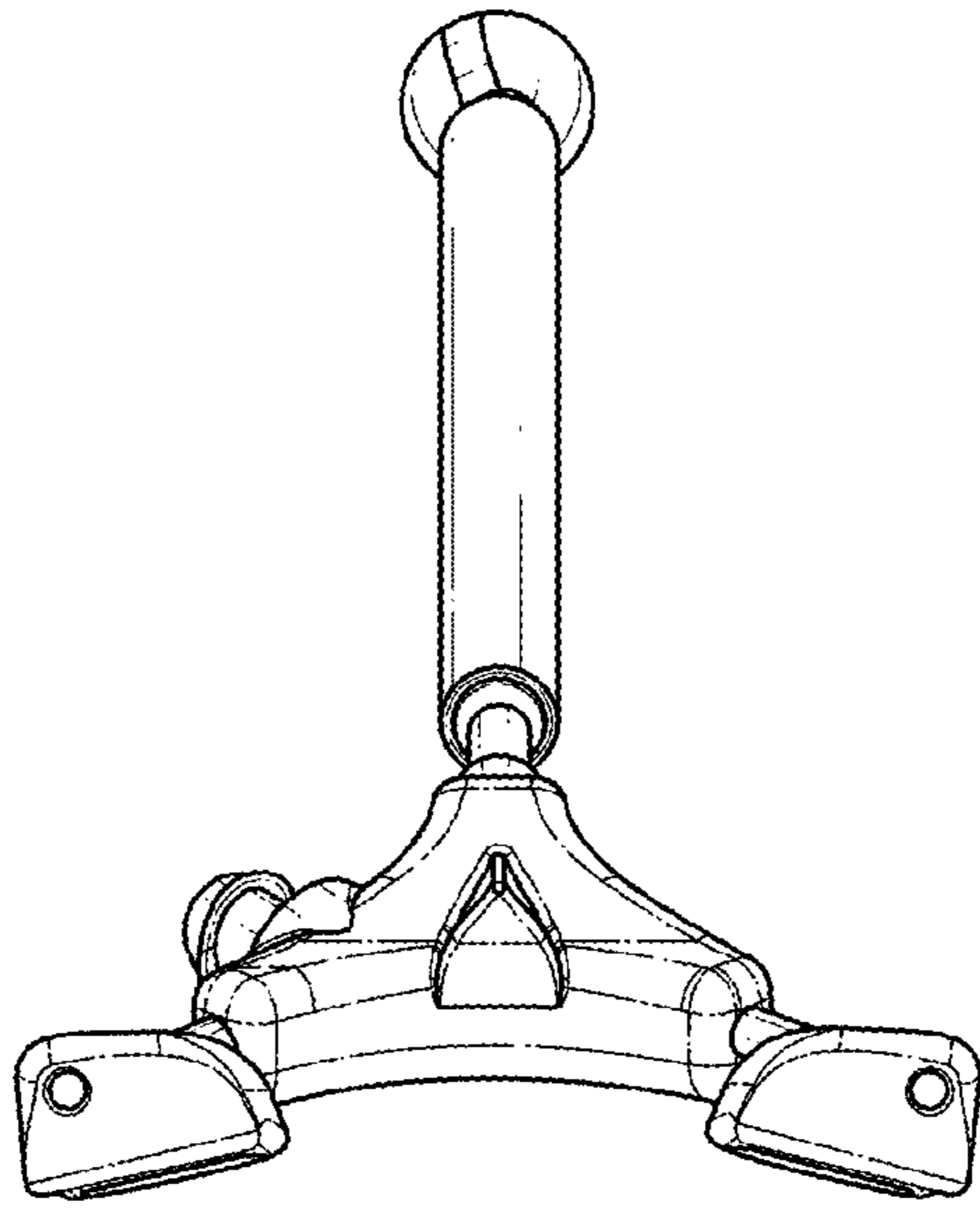


FIG. 6

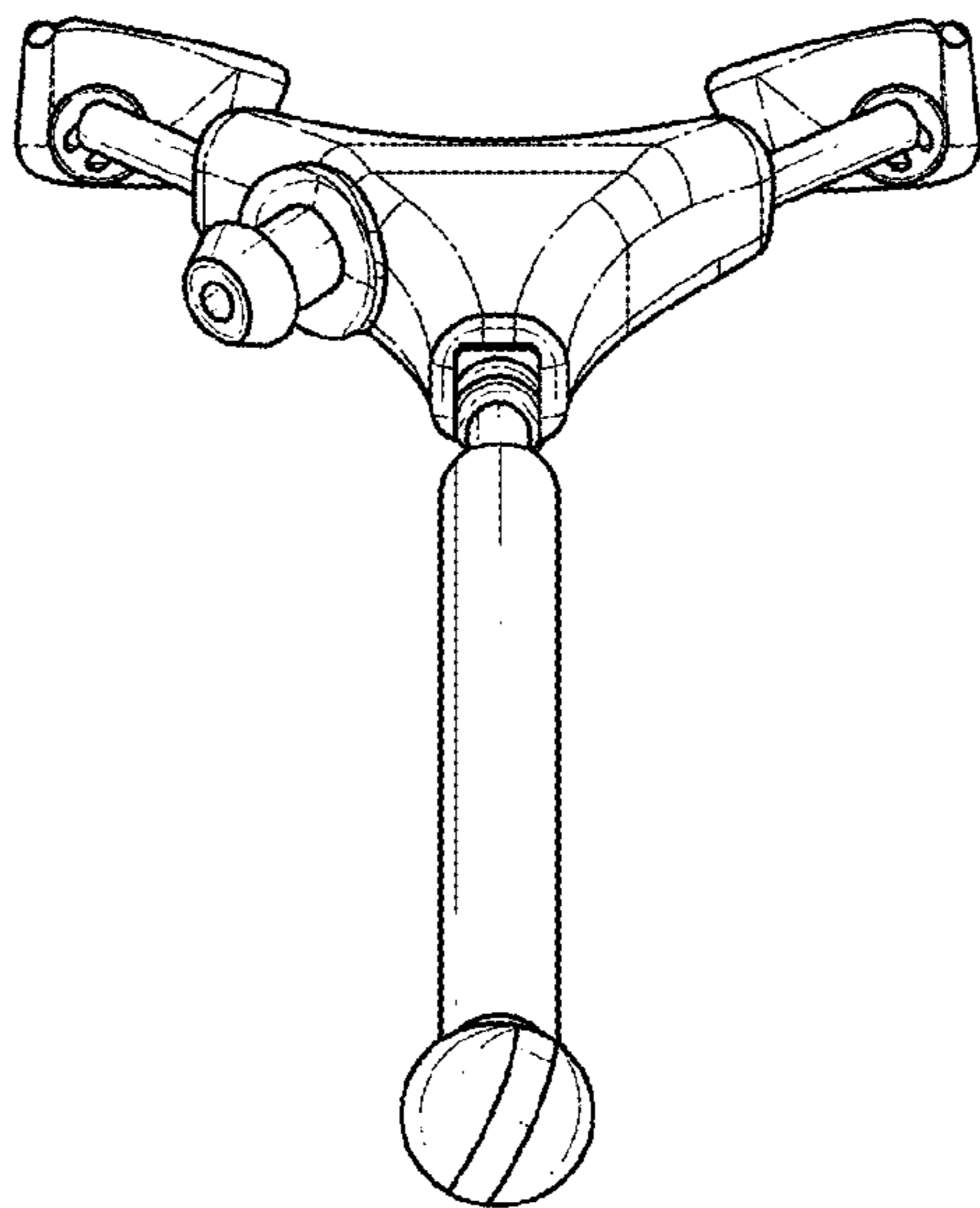


FIG. 7



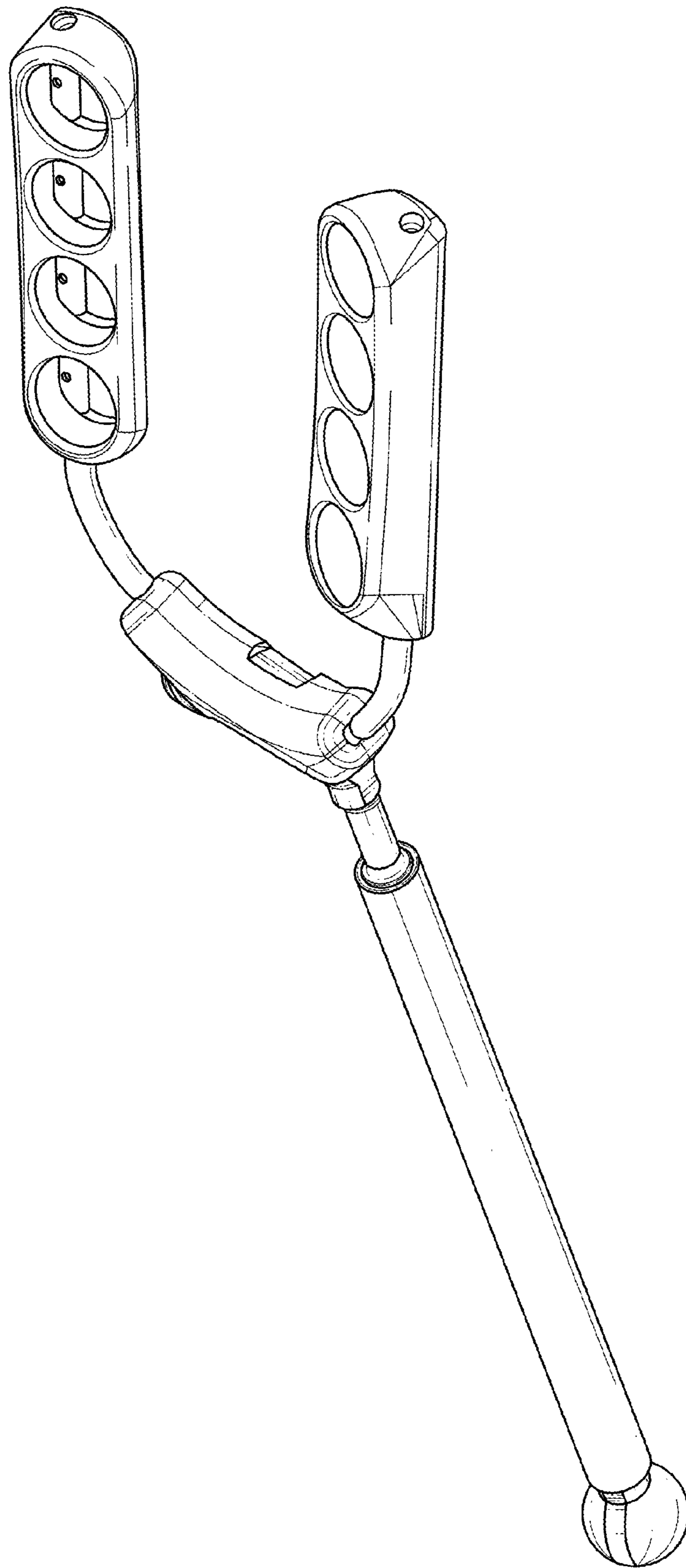


FIG. 8

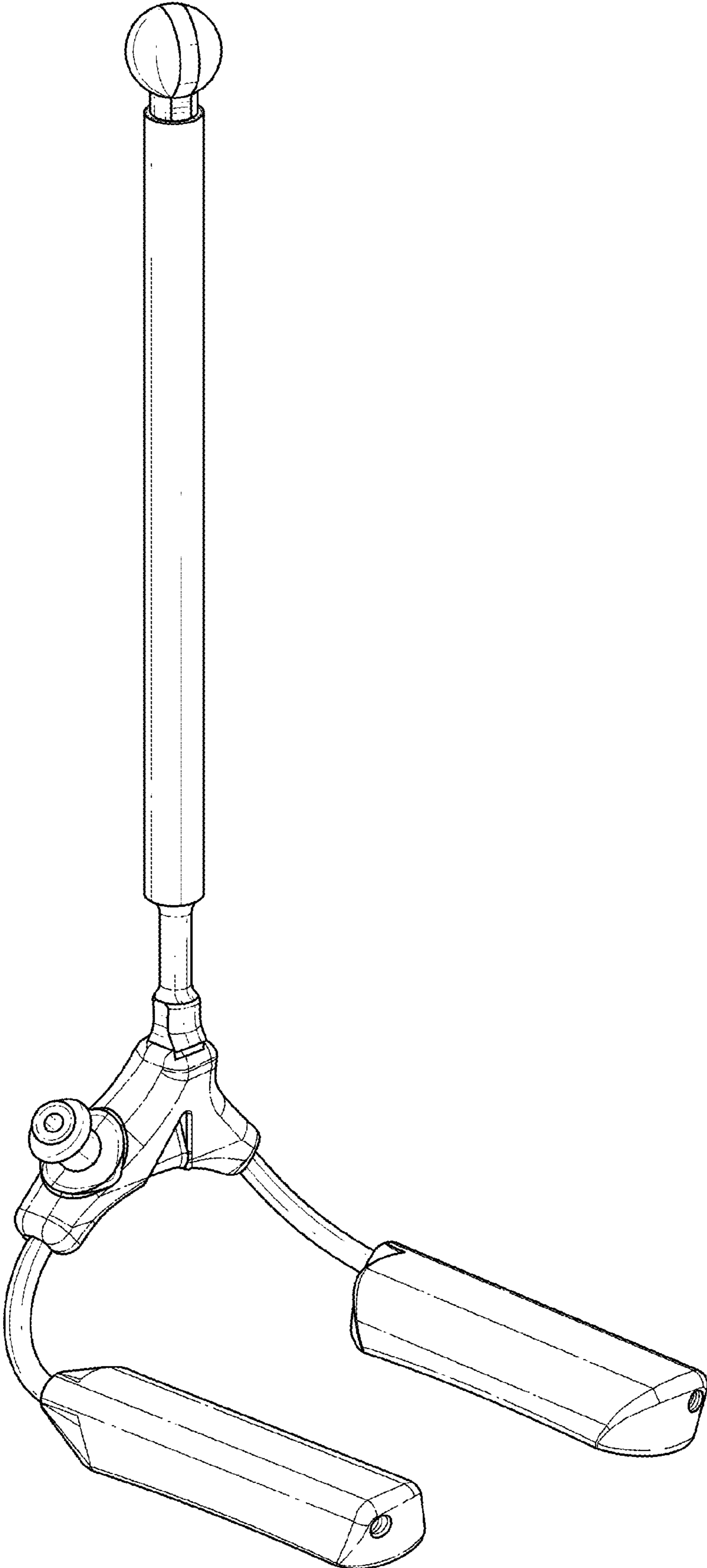


FIG. 9

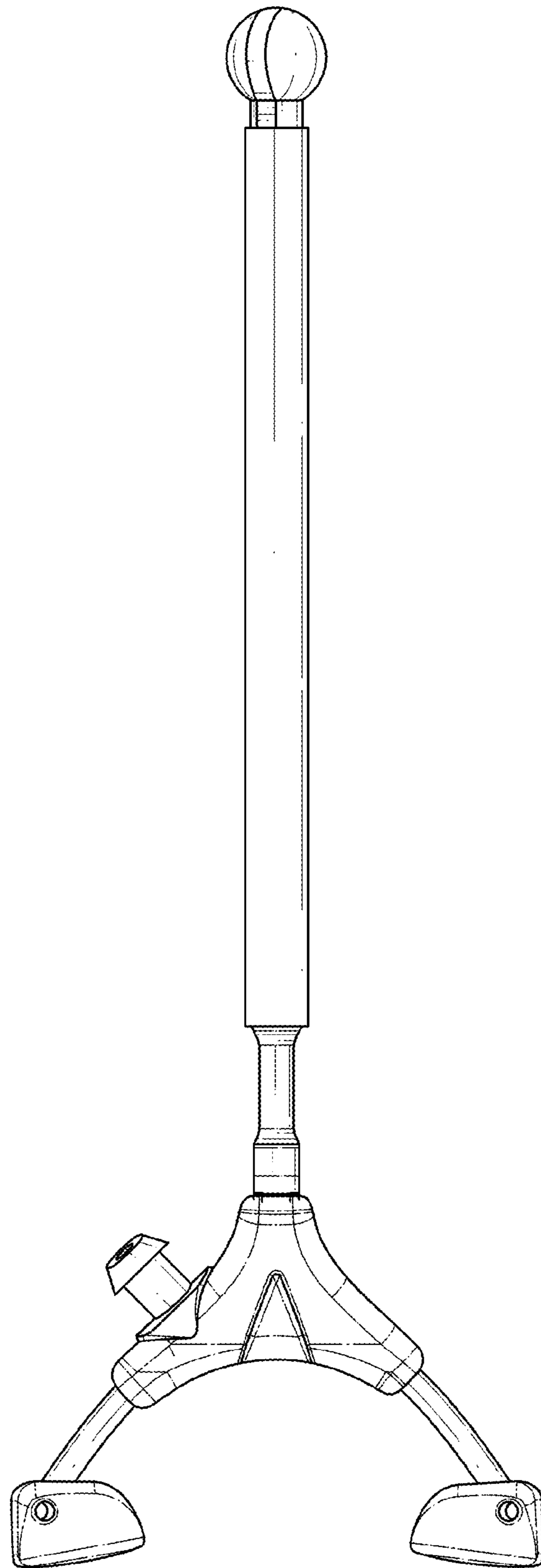


FIG. 10

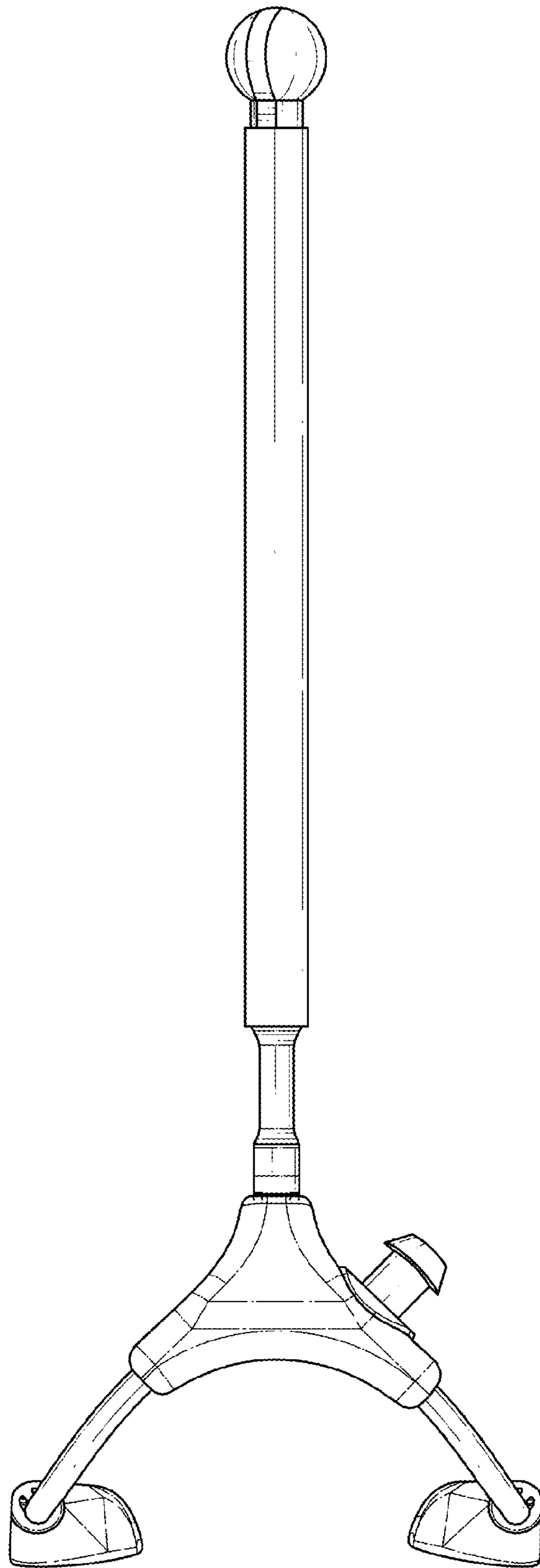


FIG. 11

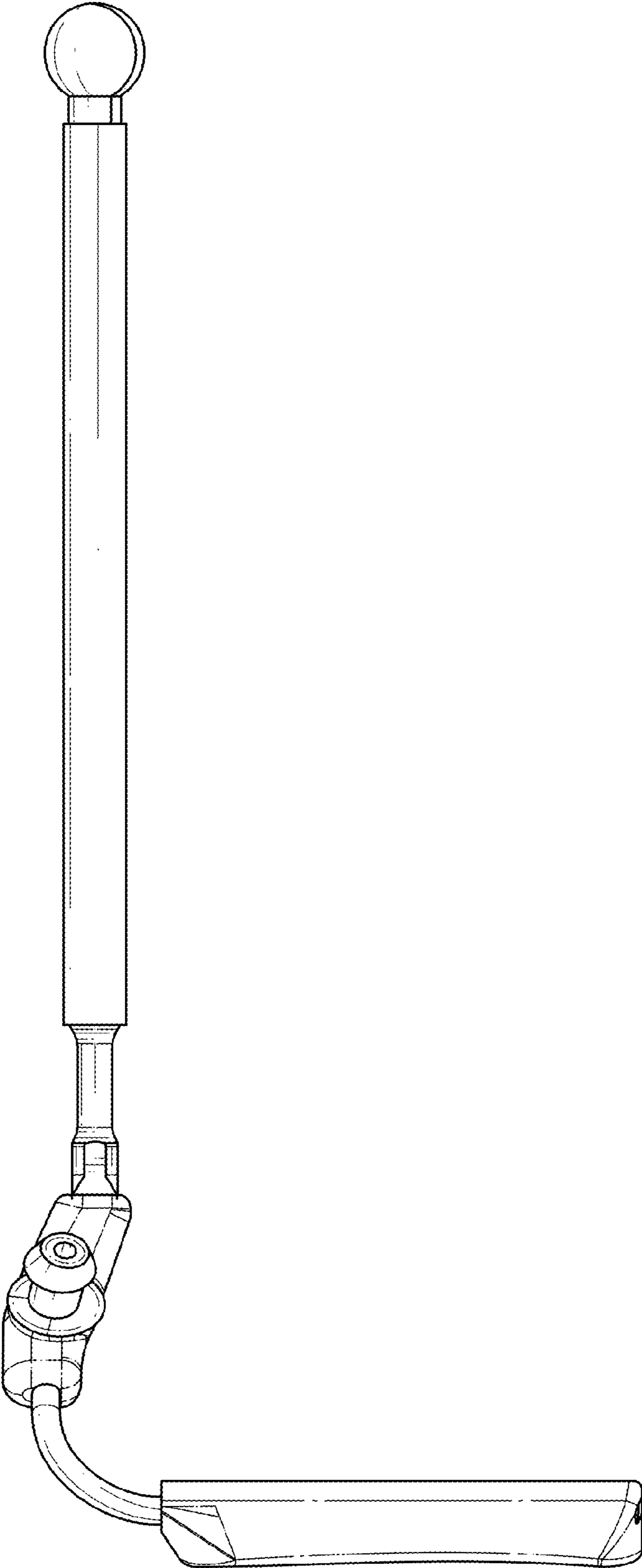


FIG. 12

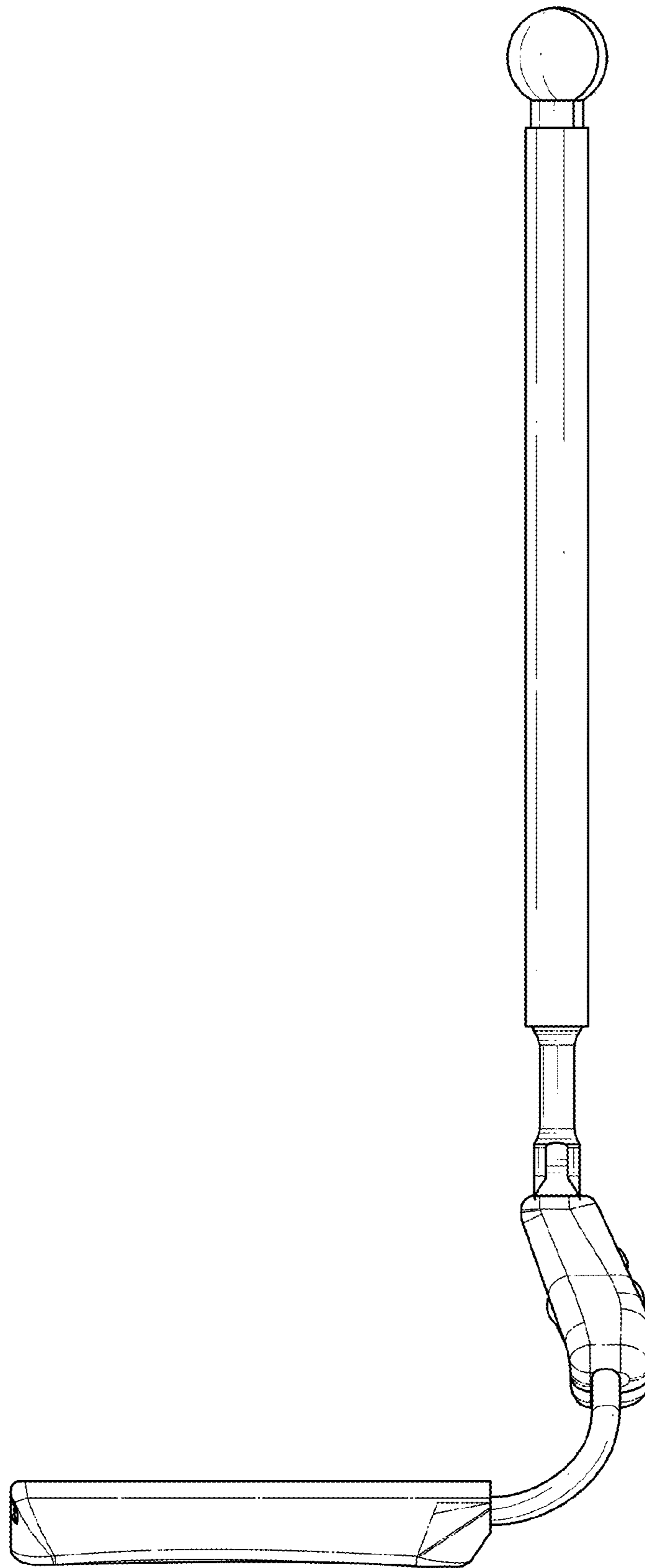


FIG. 13

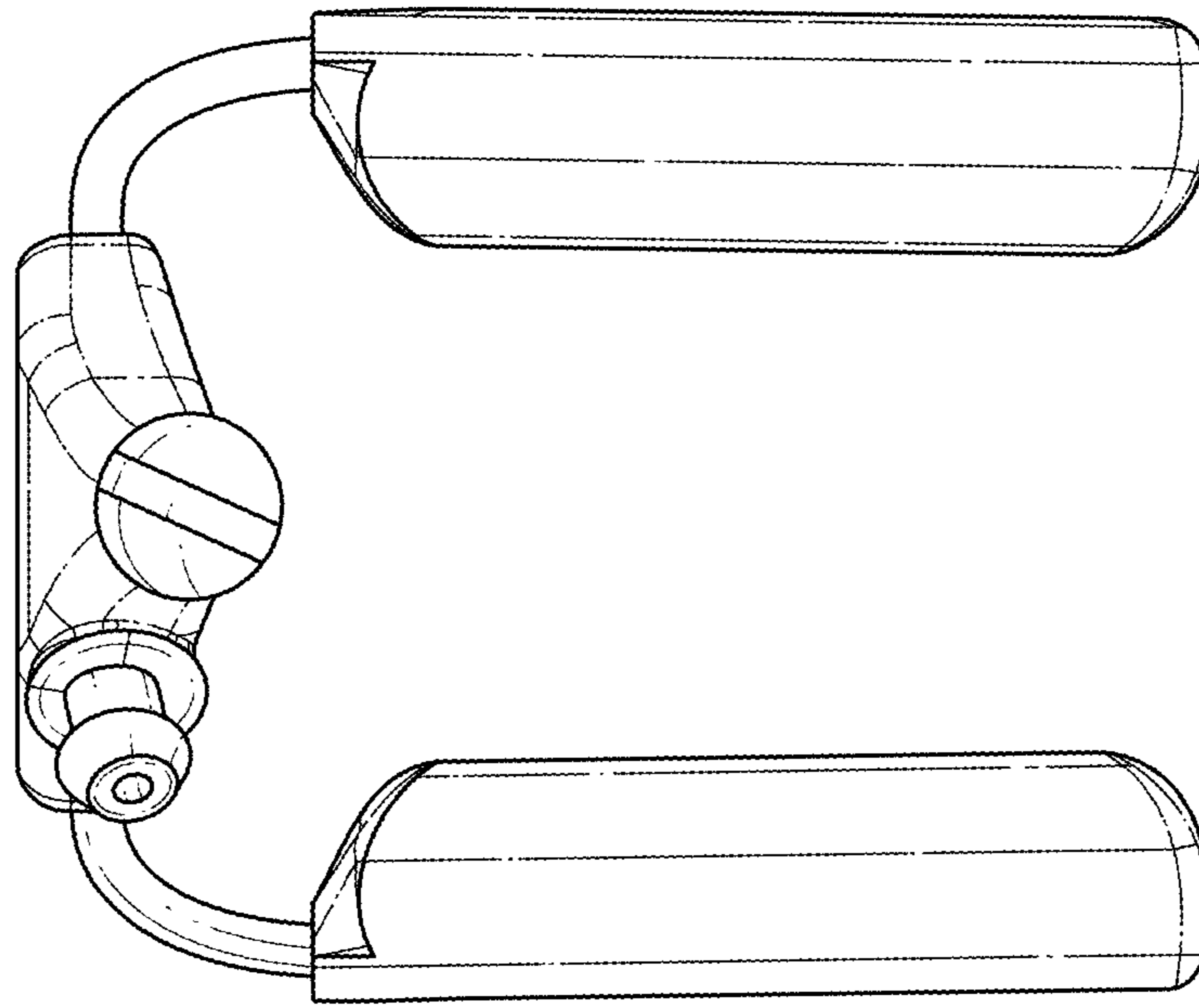


FIG. 14

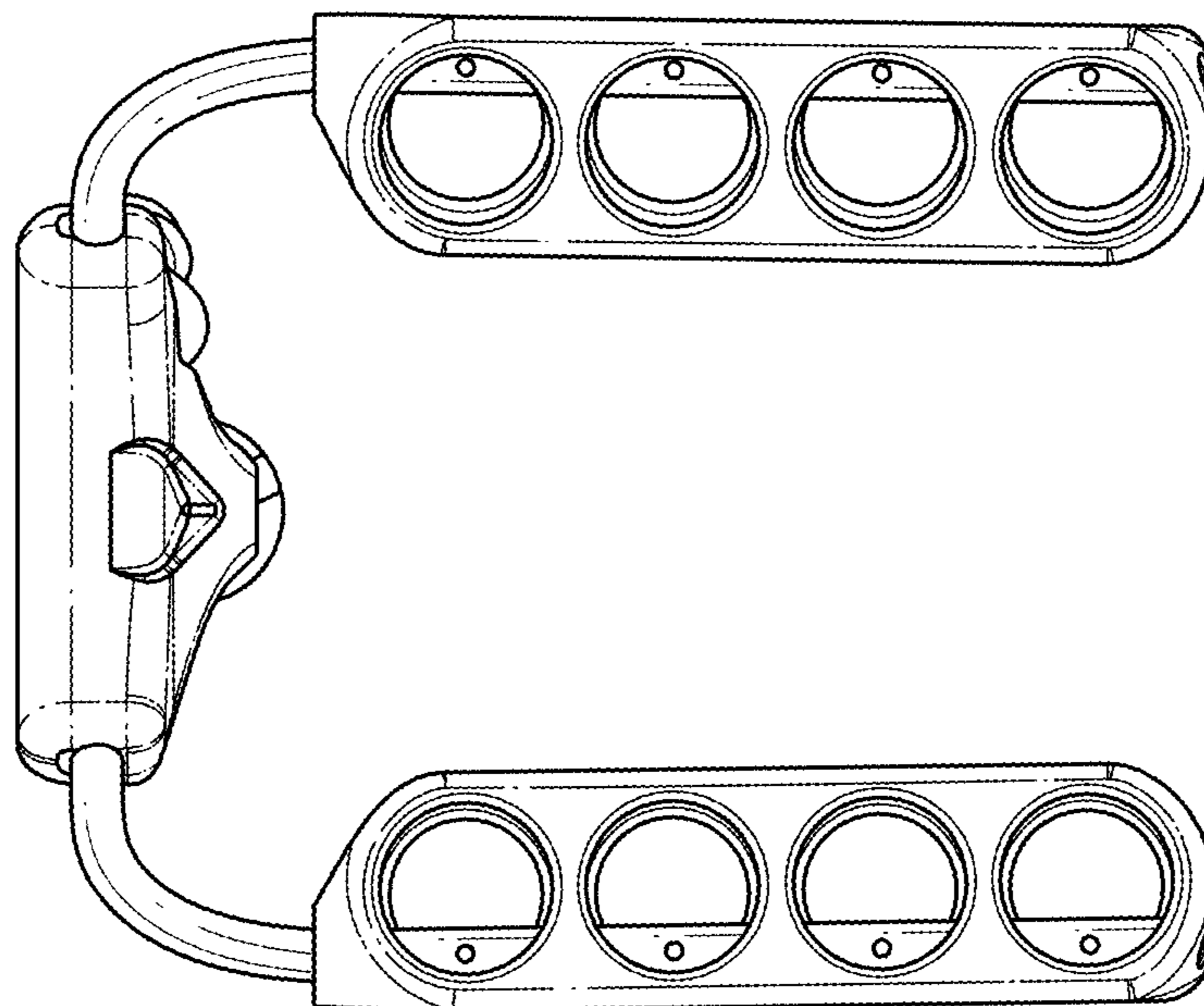


FIG. 15

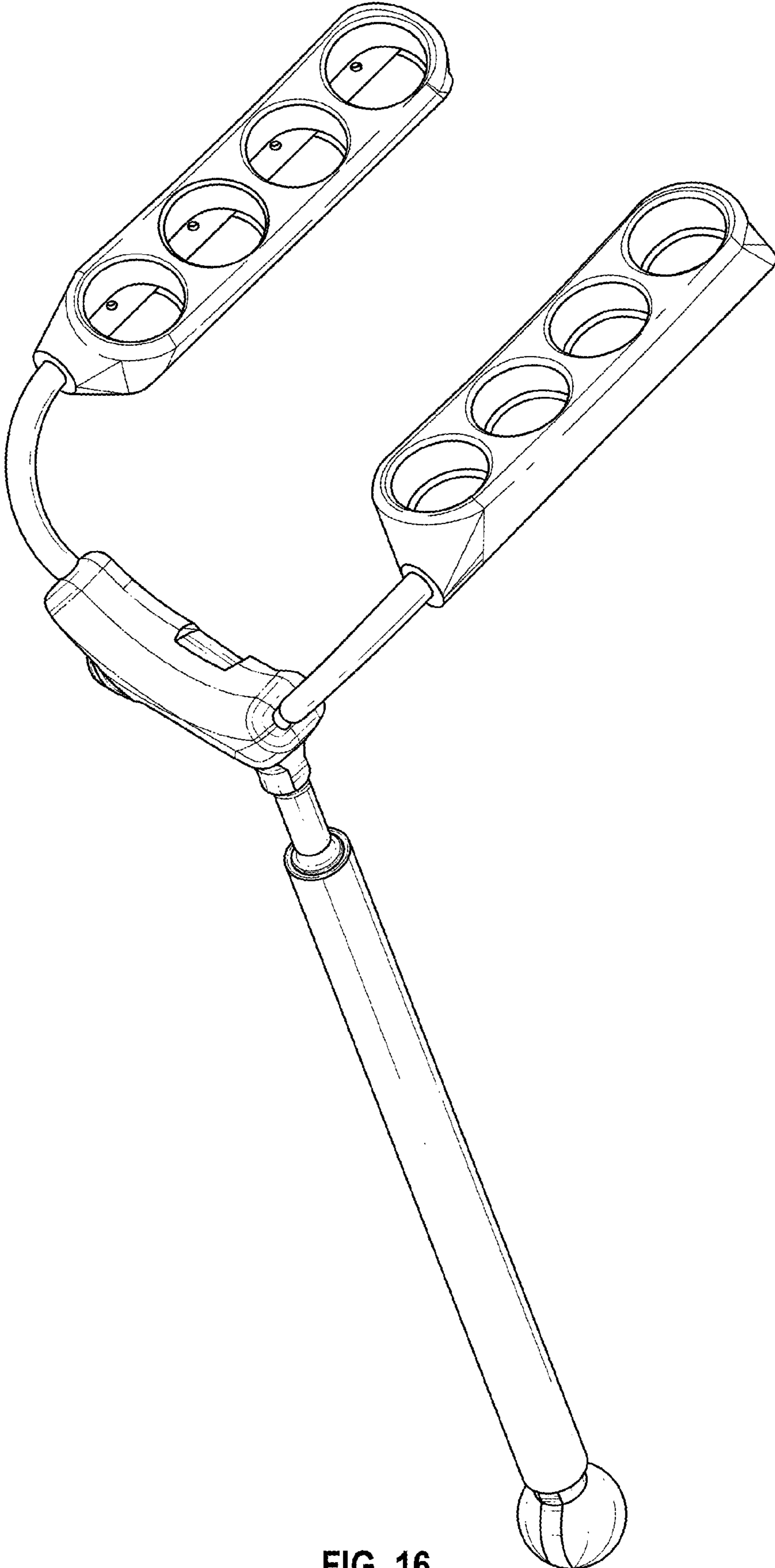


FIG. 16