



US00D467950S

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

(10) **Patent No.:** **US D467,950 S**

(45) **Date of Patent:** **\*\* Dec. 31, 2002**

(54) **LINEAR ACTUATOR**

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**Søren Sørensen**, Sønderborg (DK)

(73) Assignee: **Linak A/S**, Nordborg (DK)

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

(21) Appl. No.: **29/141,988**

(22) Filed: **May 17, 2001**

(30) **Foreign Application Priority Data**

Nov. 17, 2000 (DK) ..... MA 2000 01225

(51) **LOC (7) Cl.** ..... **15-09**

(52) **U.S. Cl.** ..... **D15/199**; D15/148

(58) **Field of Search** ..... D15/148, 199;  
74/89.15, 490.09; 310/20, 80; 414/560-569

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

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\* cited by examiner

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(74) *Attorney, Agent, or Firm*—Dykema Gossett PLLC

(57) **CLAIM**

The ornamental design for a linear actuator, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective front view of a first embodiment of a linear actuator (single stroke) according to our new and ornamental design;

FIG. 2 is a perspective rear view;

FIG. 3 is an elevational front view;

FIG. 4 is an elevational left side view;

FIG. 5 is a top plan view;

FIG. 6 is an elevational rear view;

FIG. 7 is an elevational right side view;

FIG. 8 is a bottom plan view;

FIG. 9 is a perspective front view;

FIG. 10 is a perspective rear view;

FIG. 11 is a perspective rear view with thrust rod extended;

FIG. 12 is a perspective bottom view of a second embodiment of a linear actuator (double stroke) according to our new and ornamental design;

FIG. 13 is a perspective top view;

FIG. 14 is an elevational front view;

FIG. 15 is an elevational left side view;

FIG. 16 is a top plan view;

FIG. 17 is an elevational rear view;

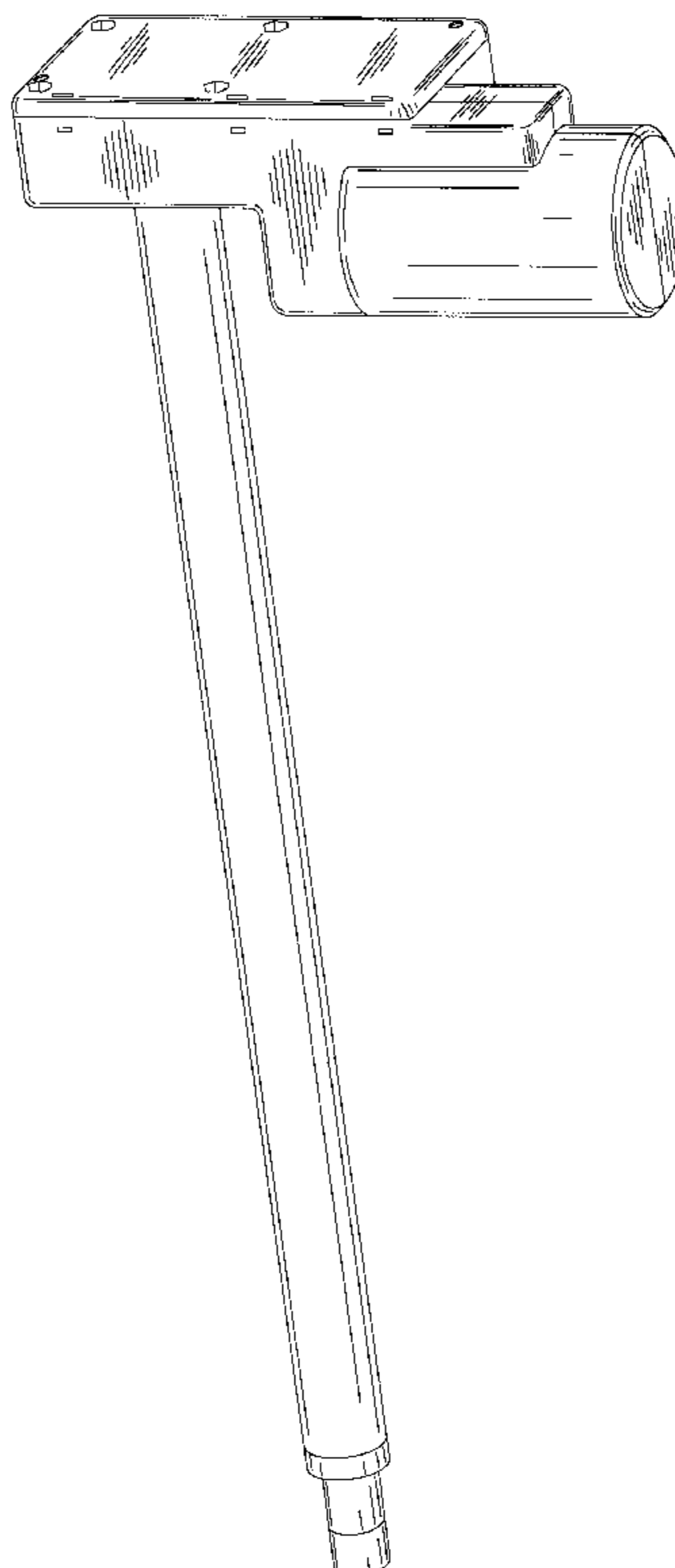
FIG. 18 is an elevational right side view;

FIG. 19 is a bottom plan view;

FIGS. 20 and 21 are further perspective views; and,

FIG. 22 is a perspective view when the linear actuator is extended.

**1 Claim, 13 Drawing Sheets**



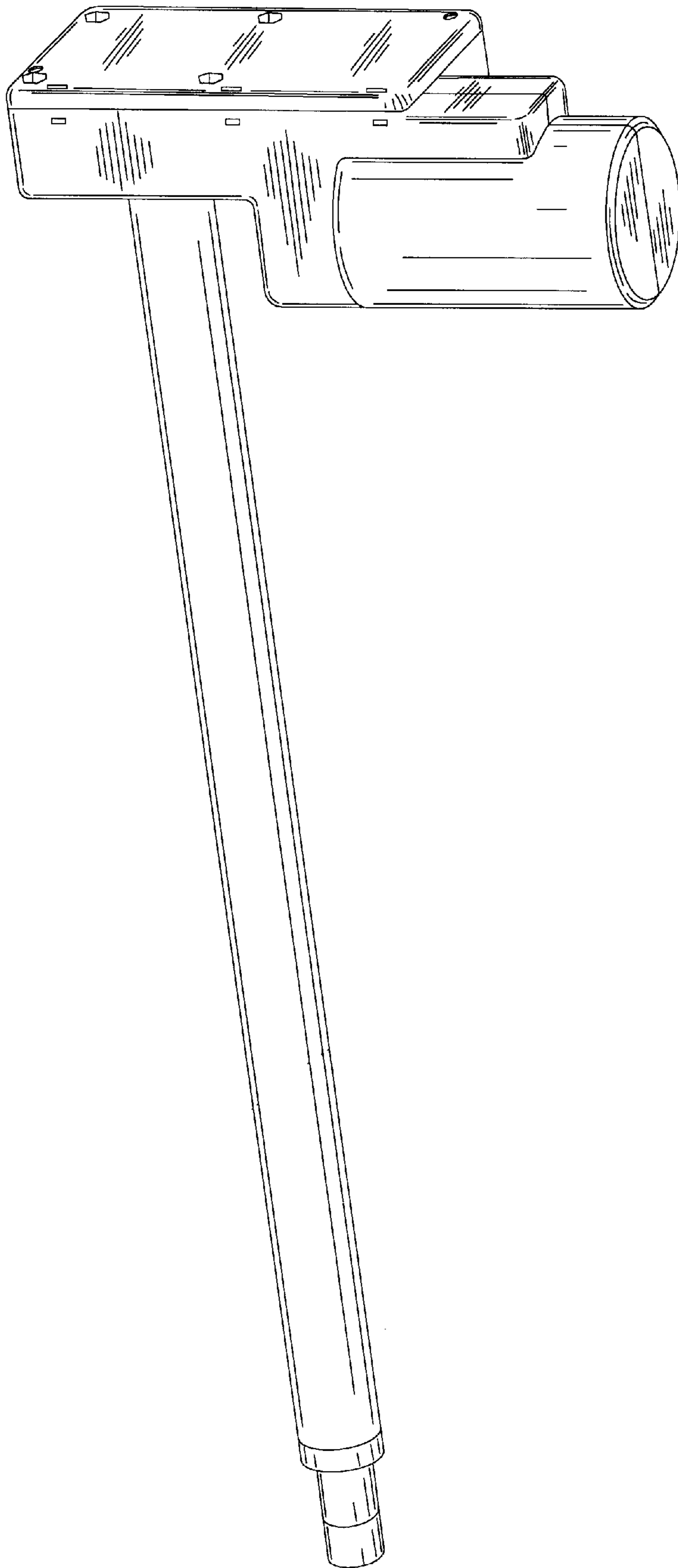


FIG. 1

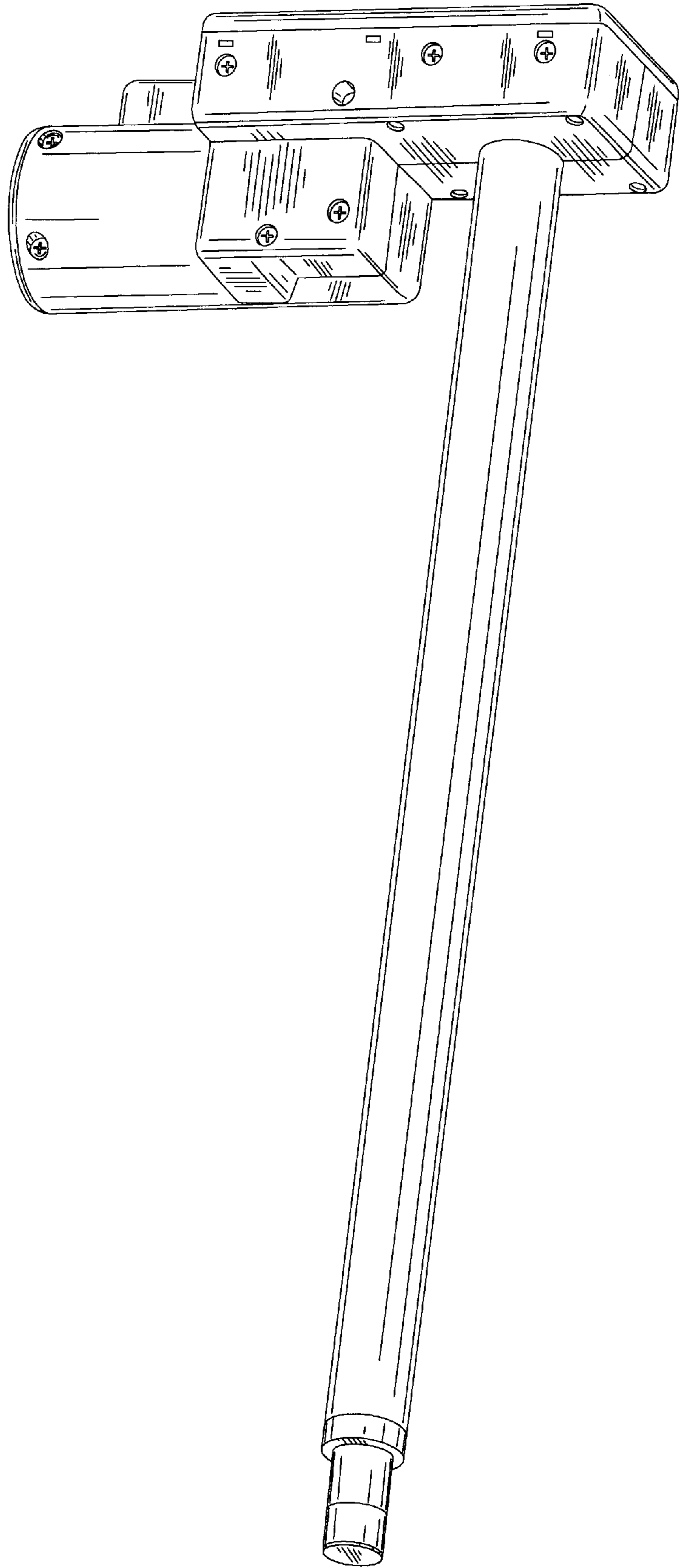


FIG. 2

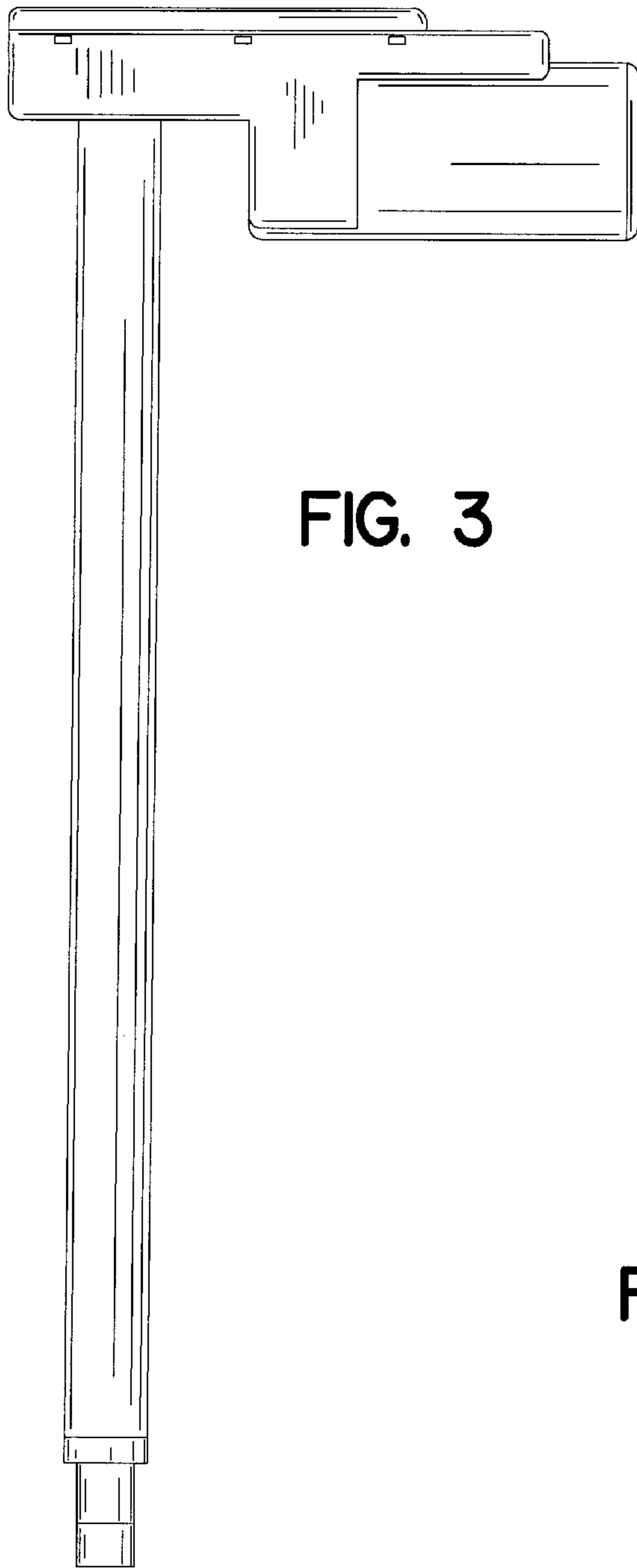


FIG. 3

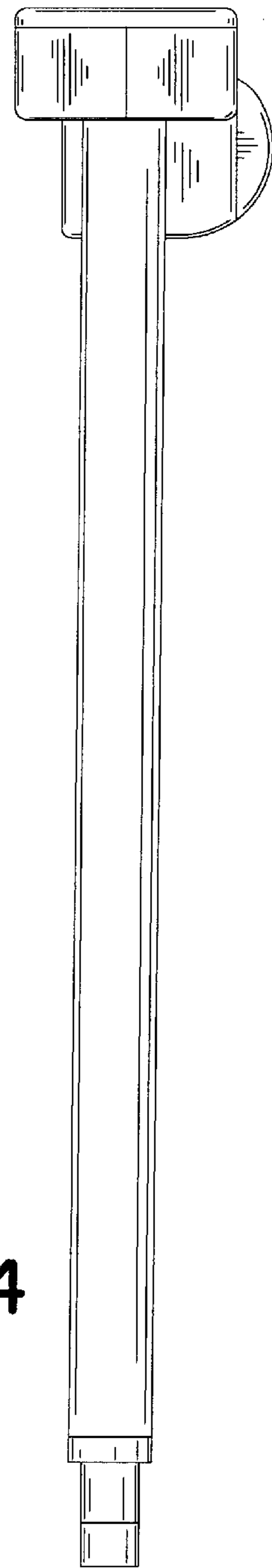


FIG. 4

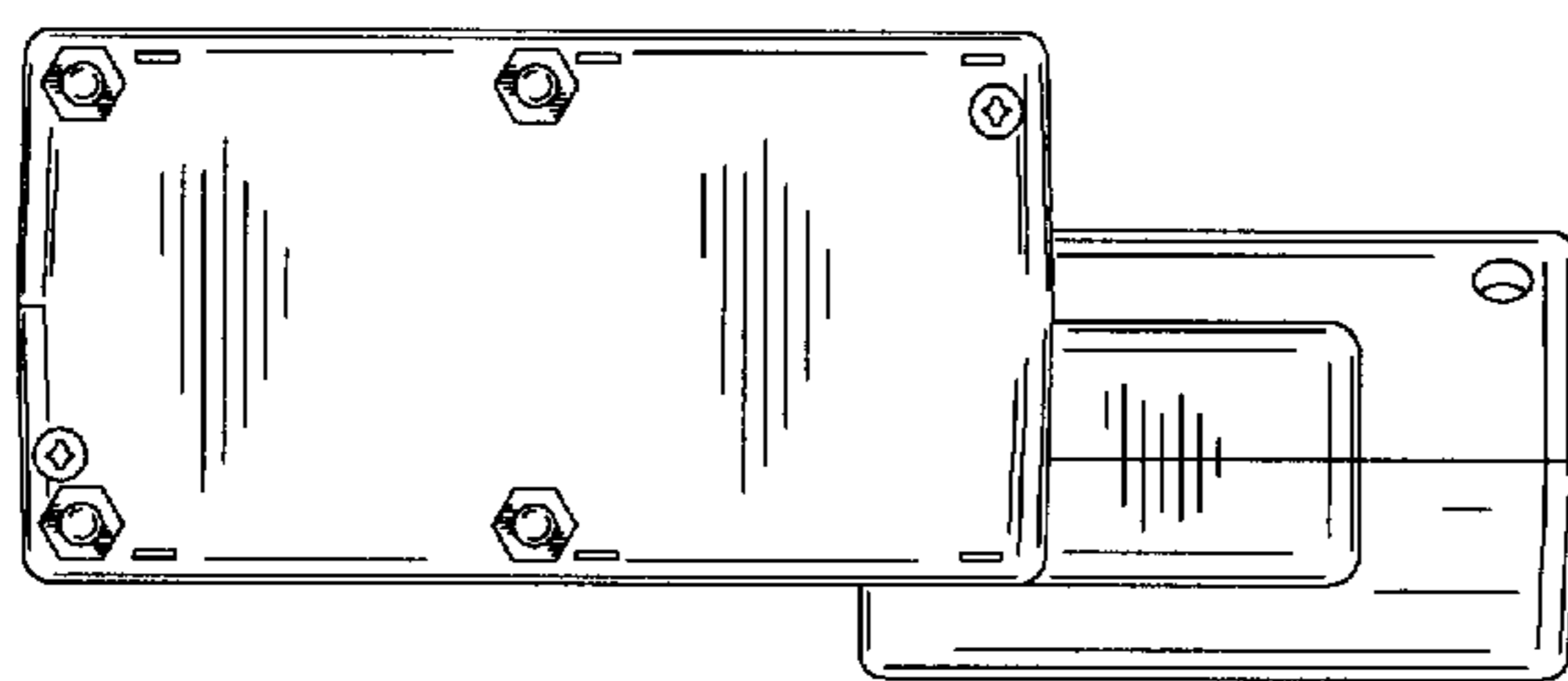


FIG. 5

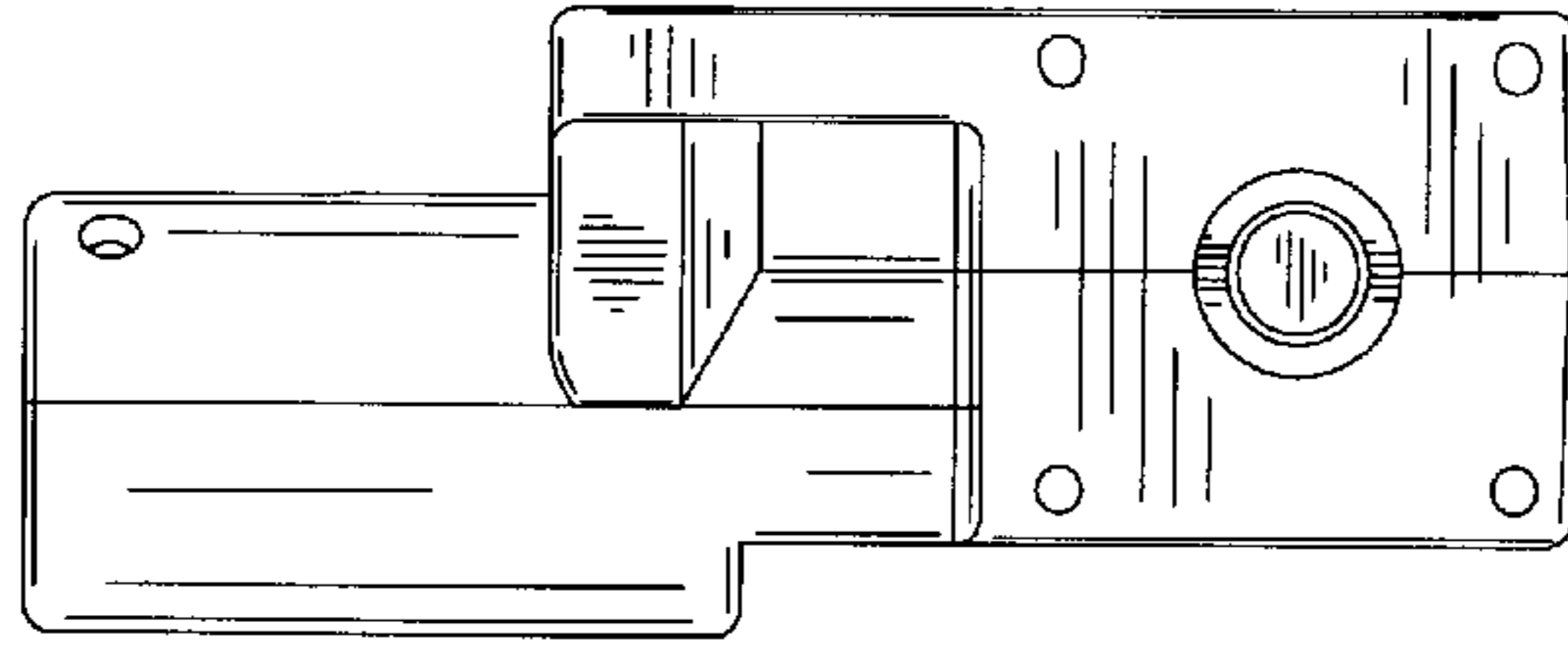


FIG. 8

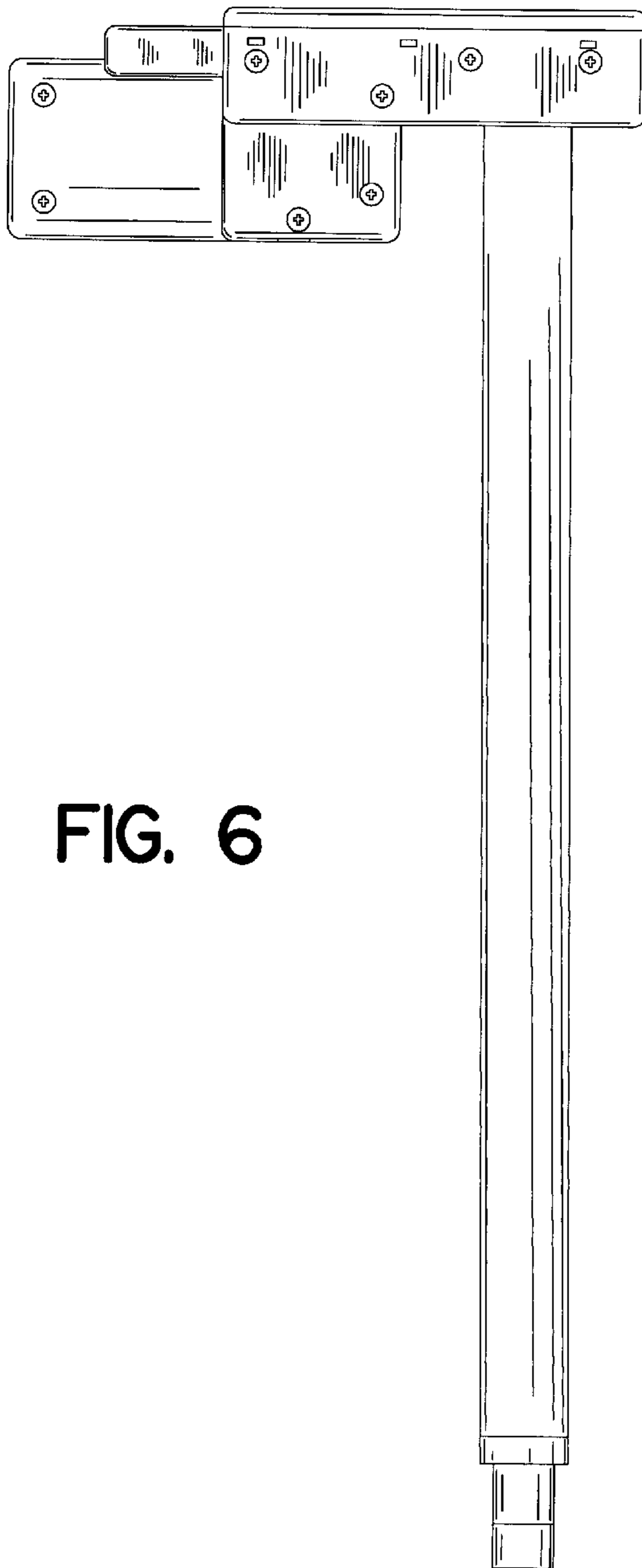


FIG. 6

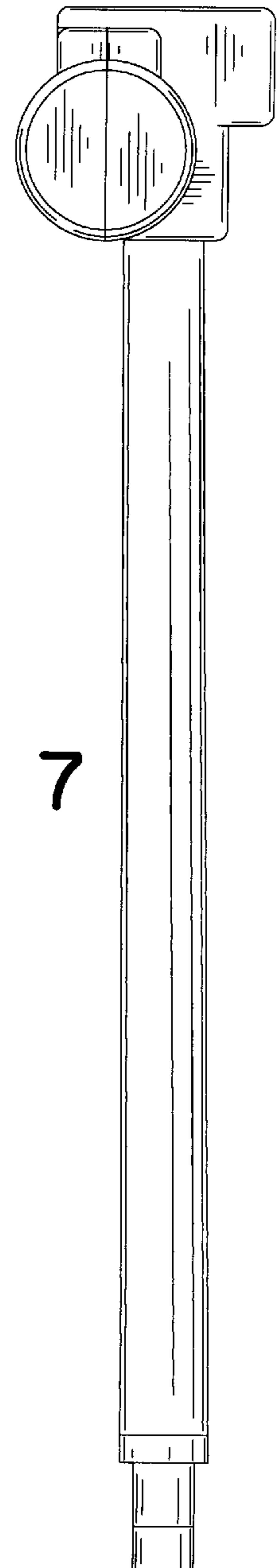


FIG. 7

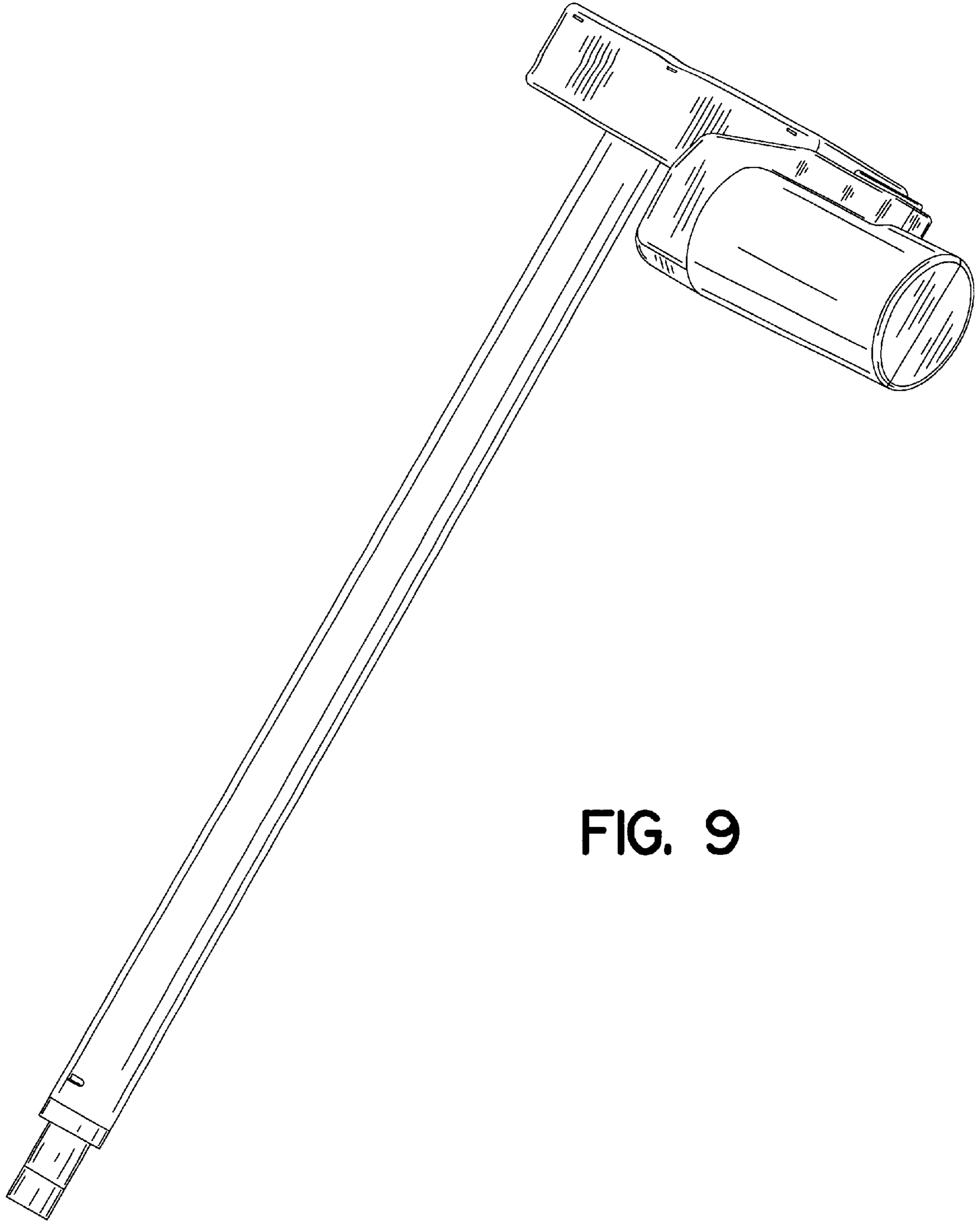


FIG. 9

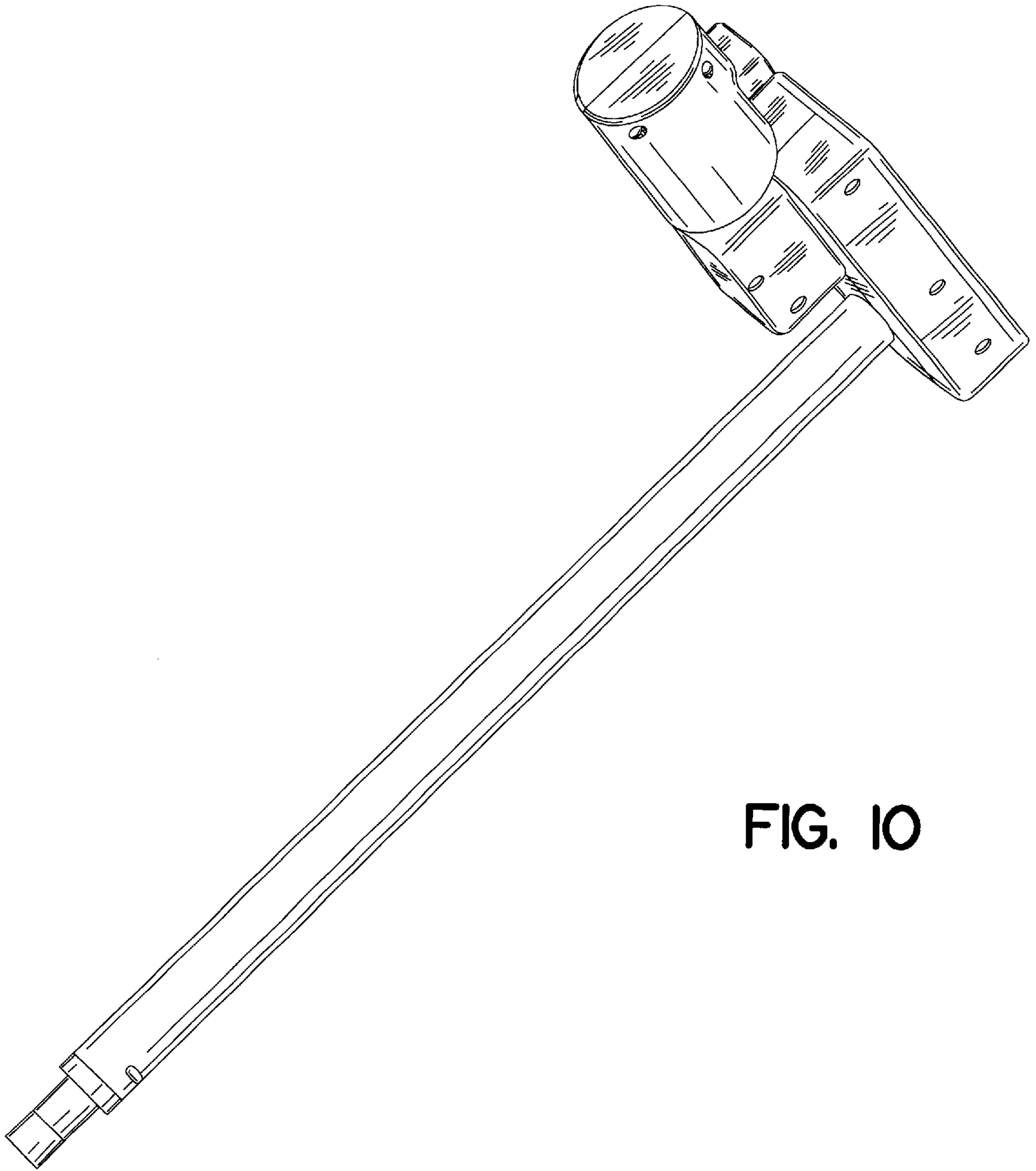


FIG. 10

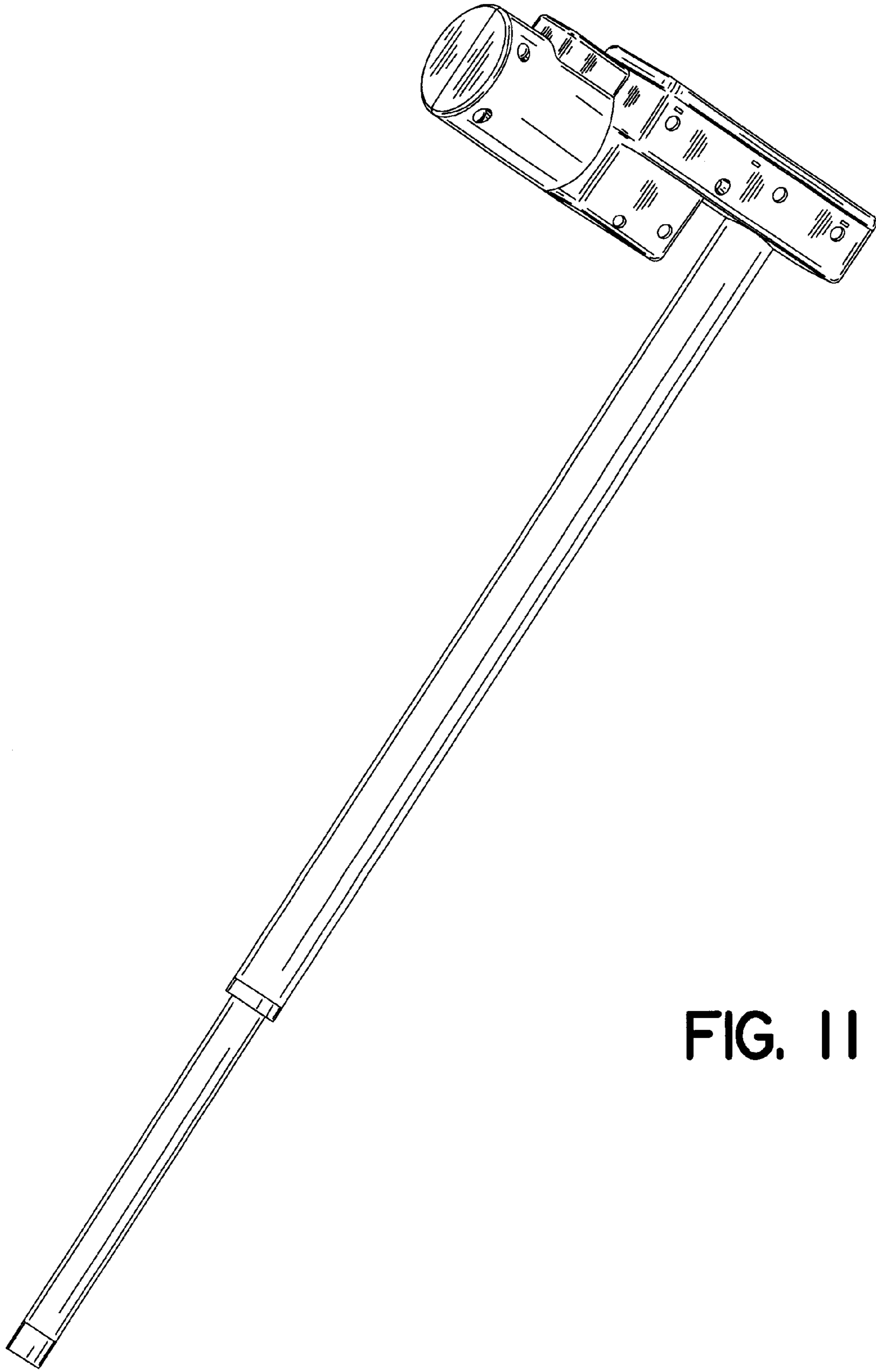


FIG. 11



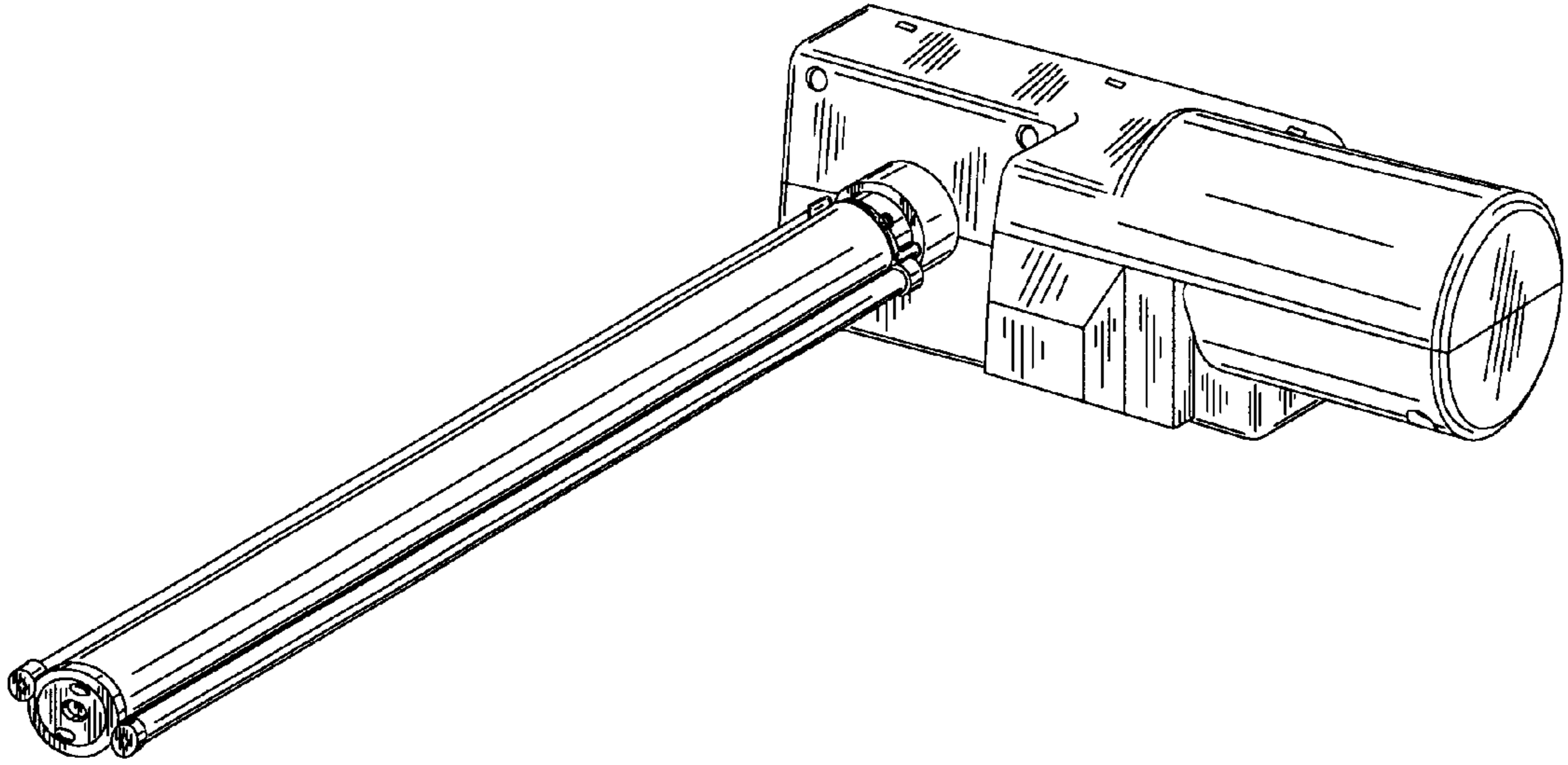


FIG. 12

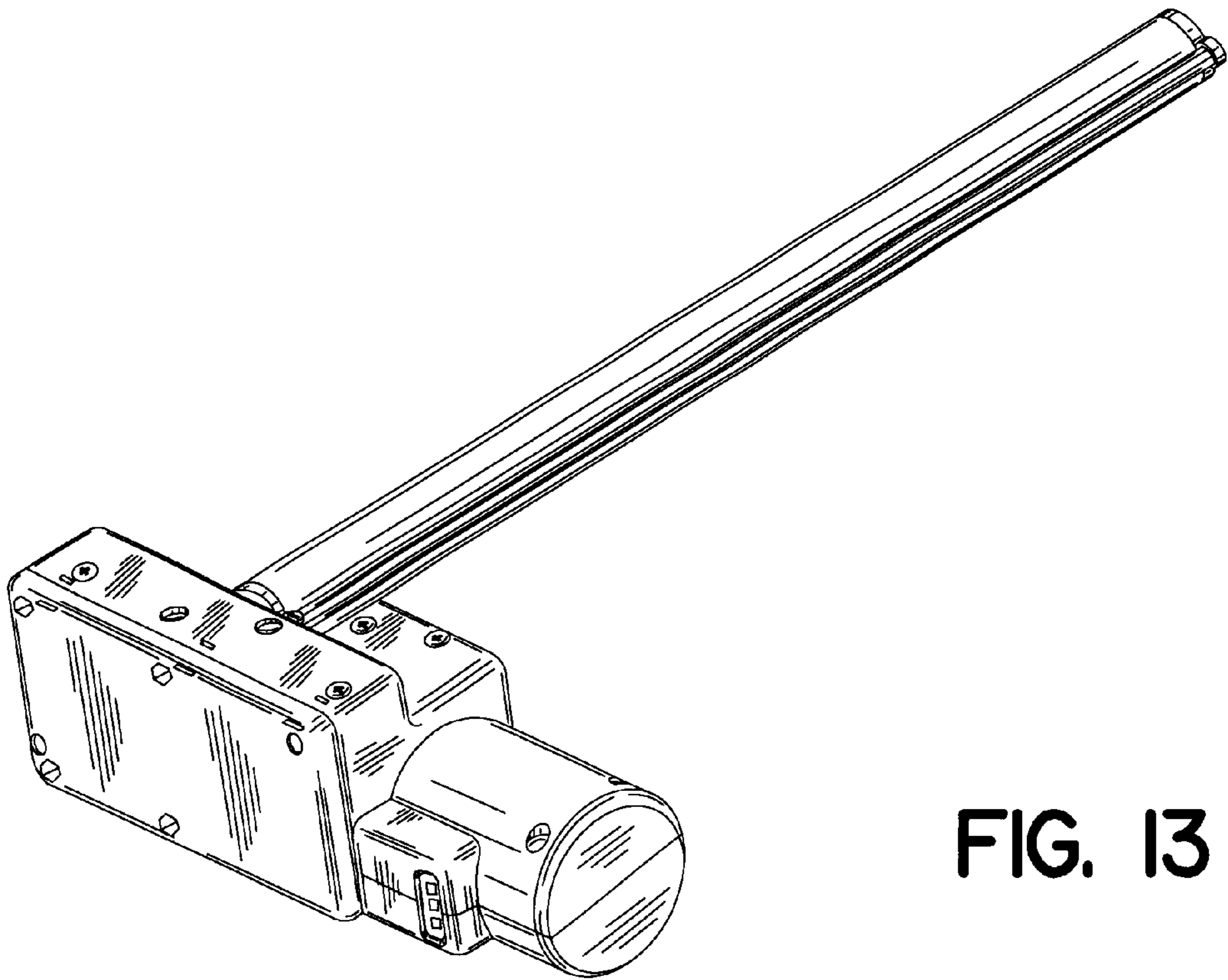
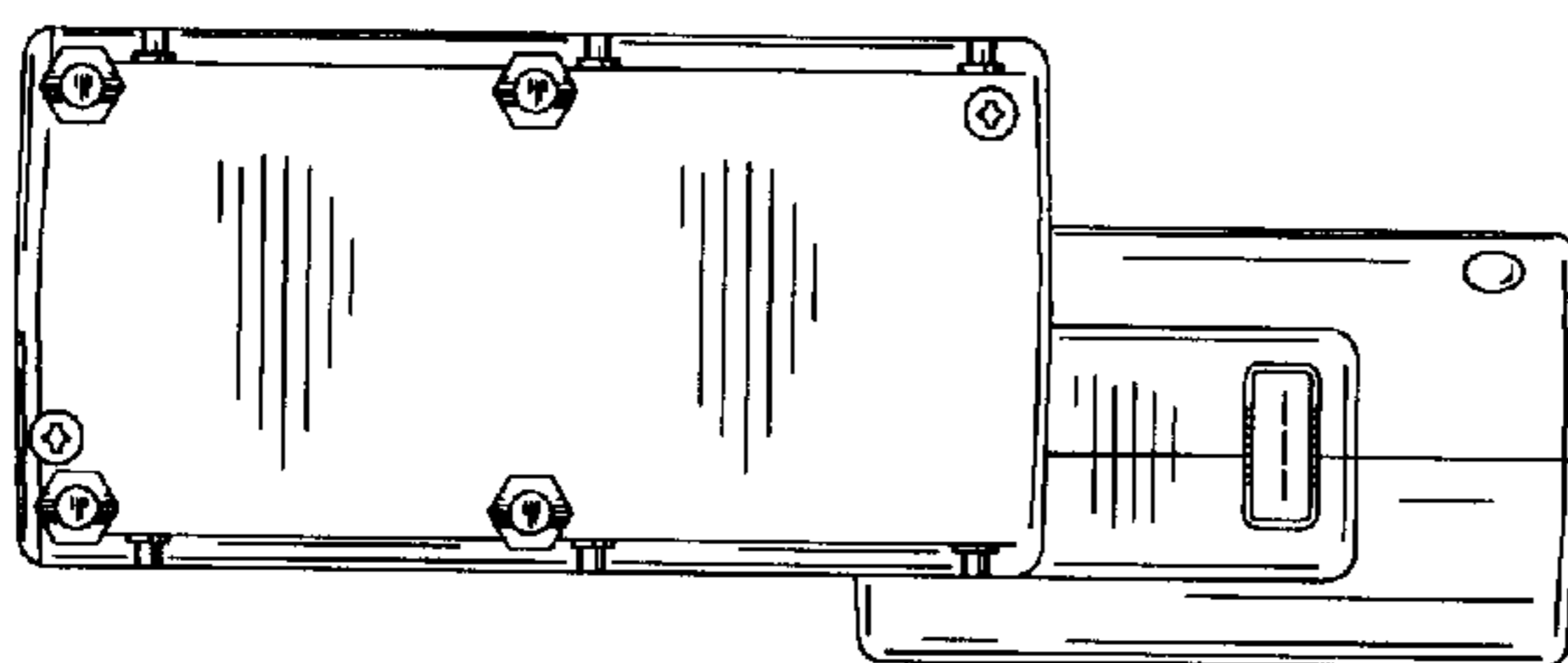
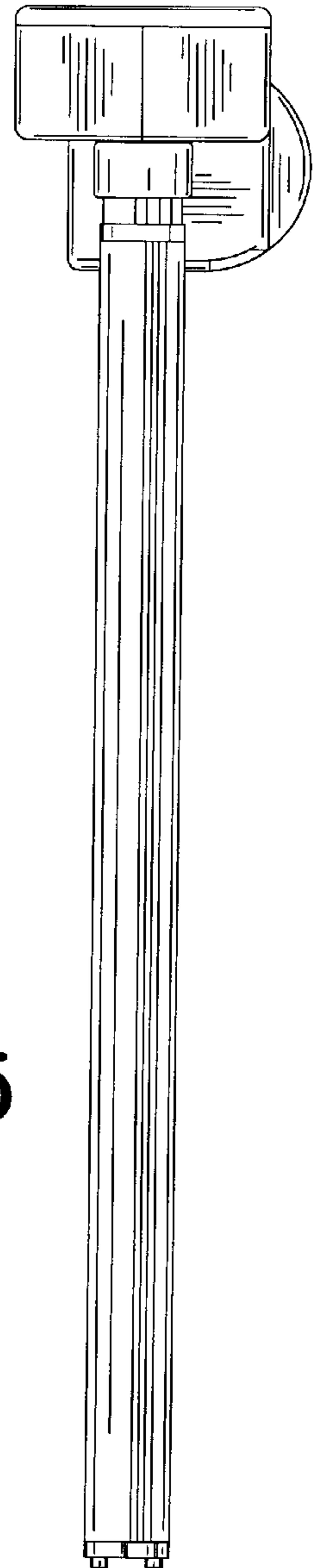
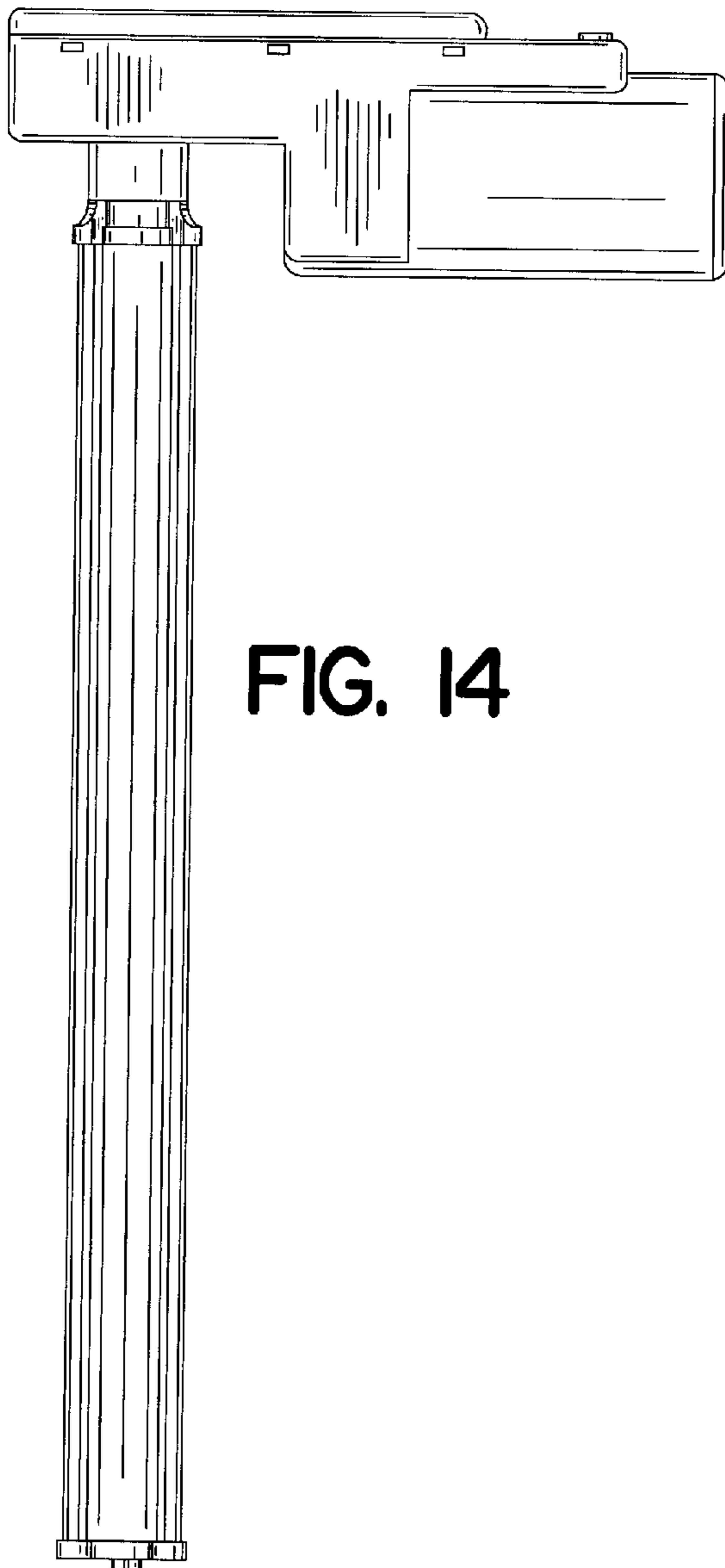


FIG. 13



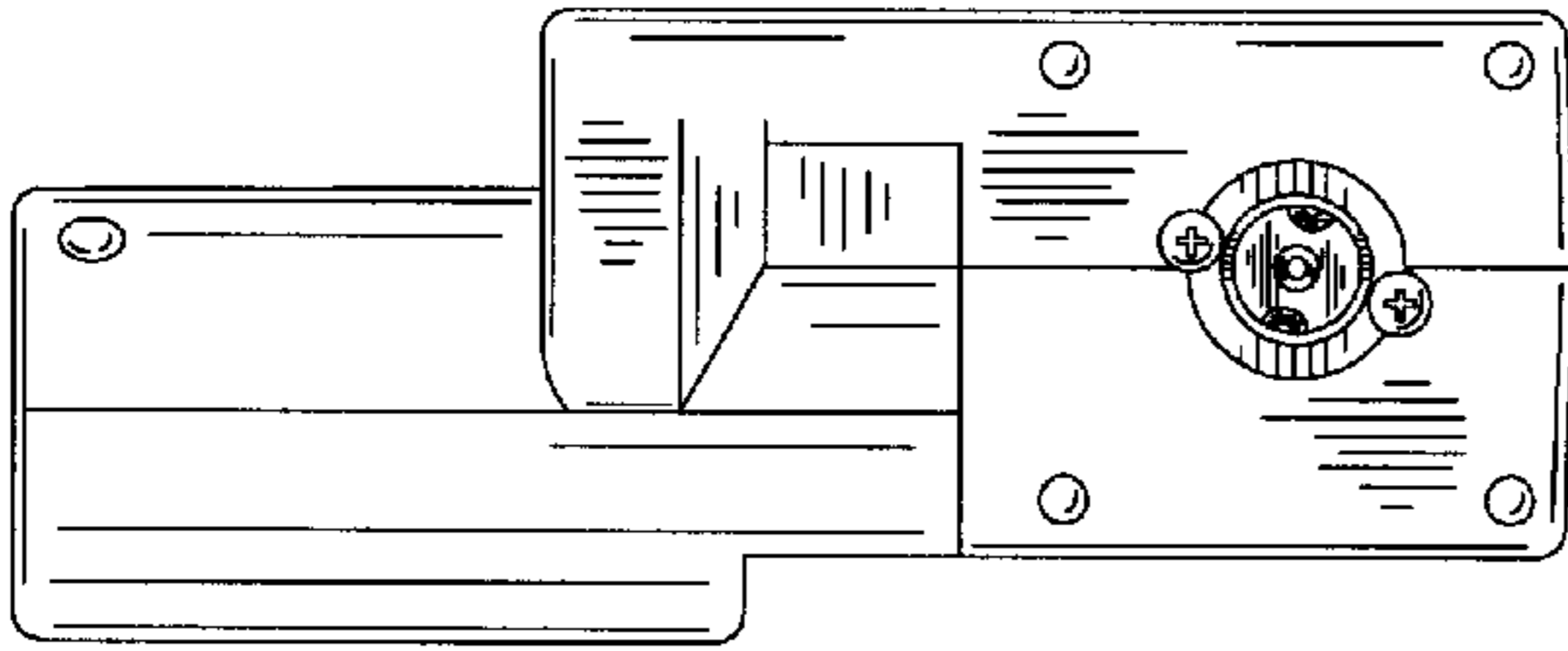


FIG. 19

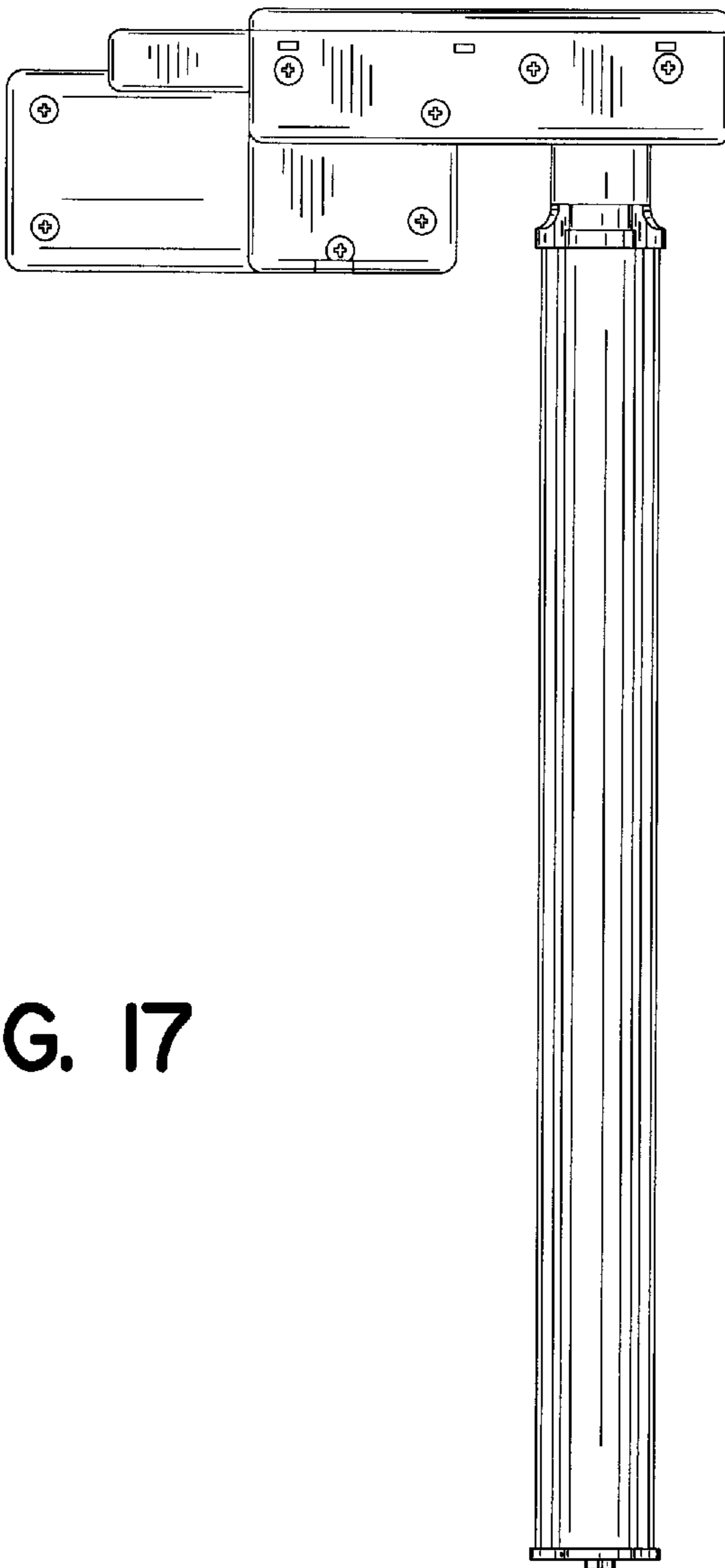


FIG. 17

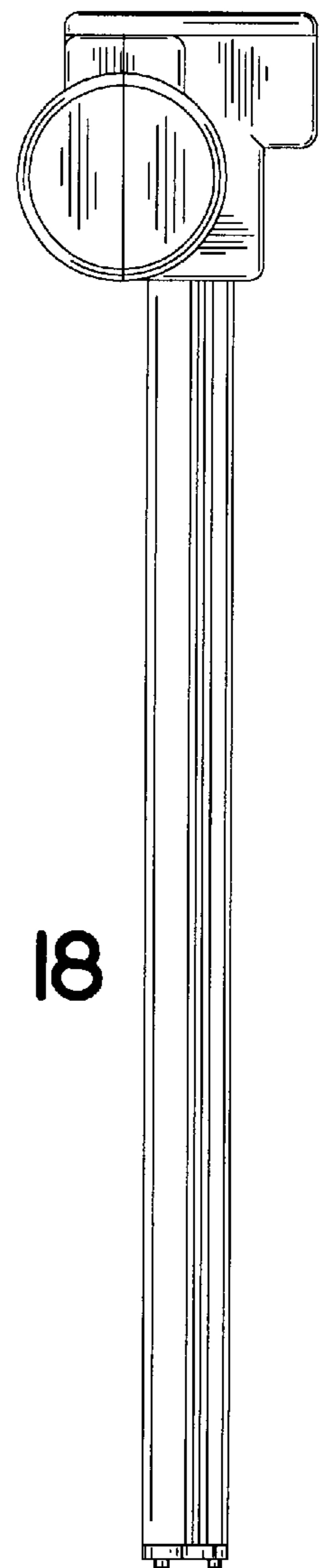


FIG. 18

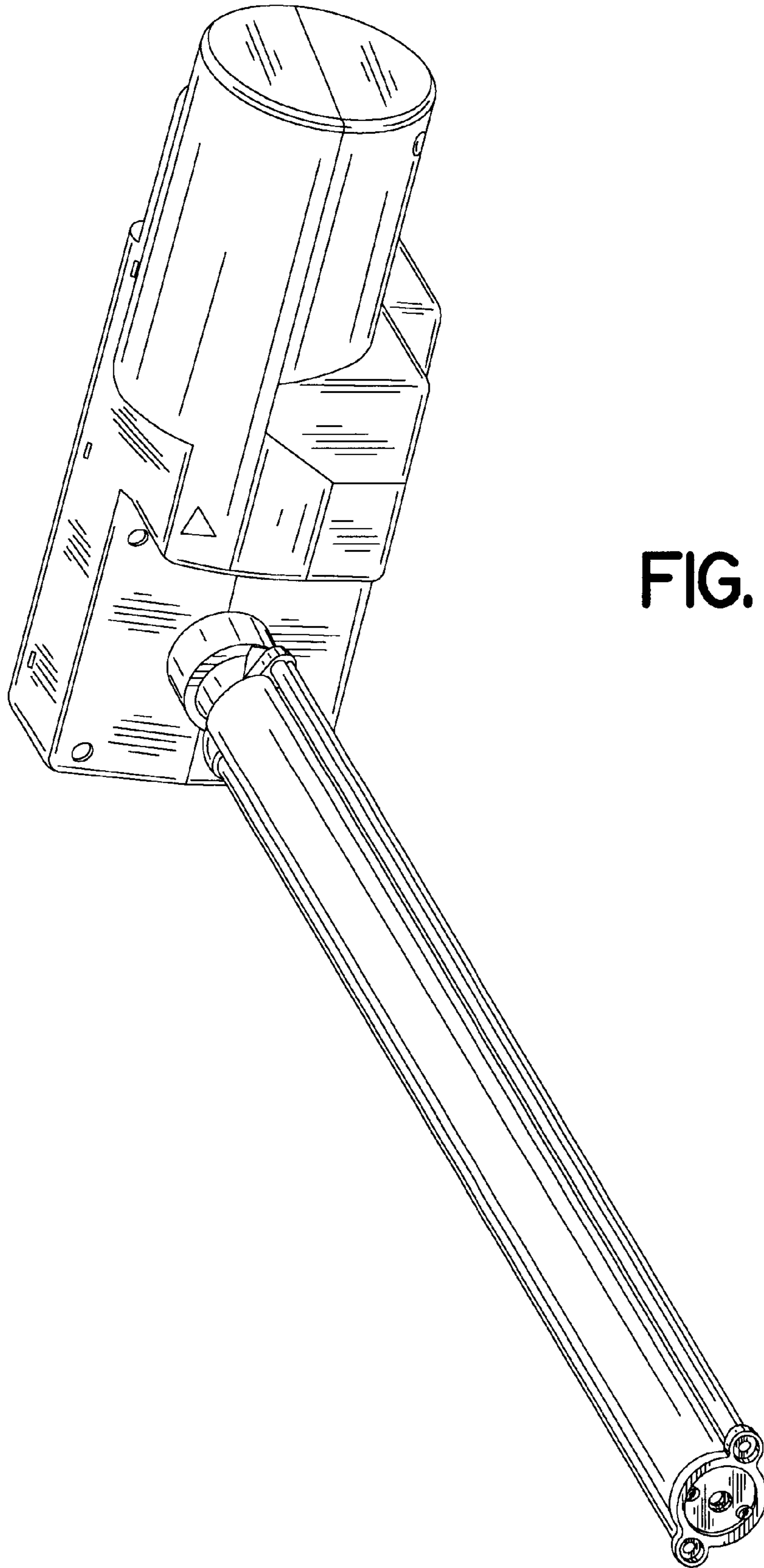


FIG. 20

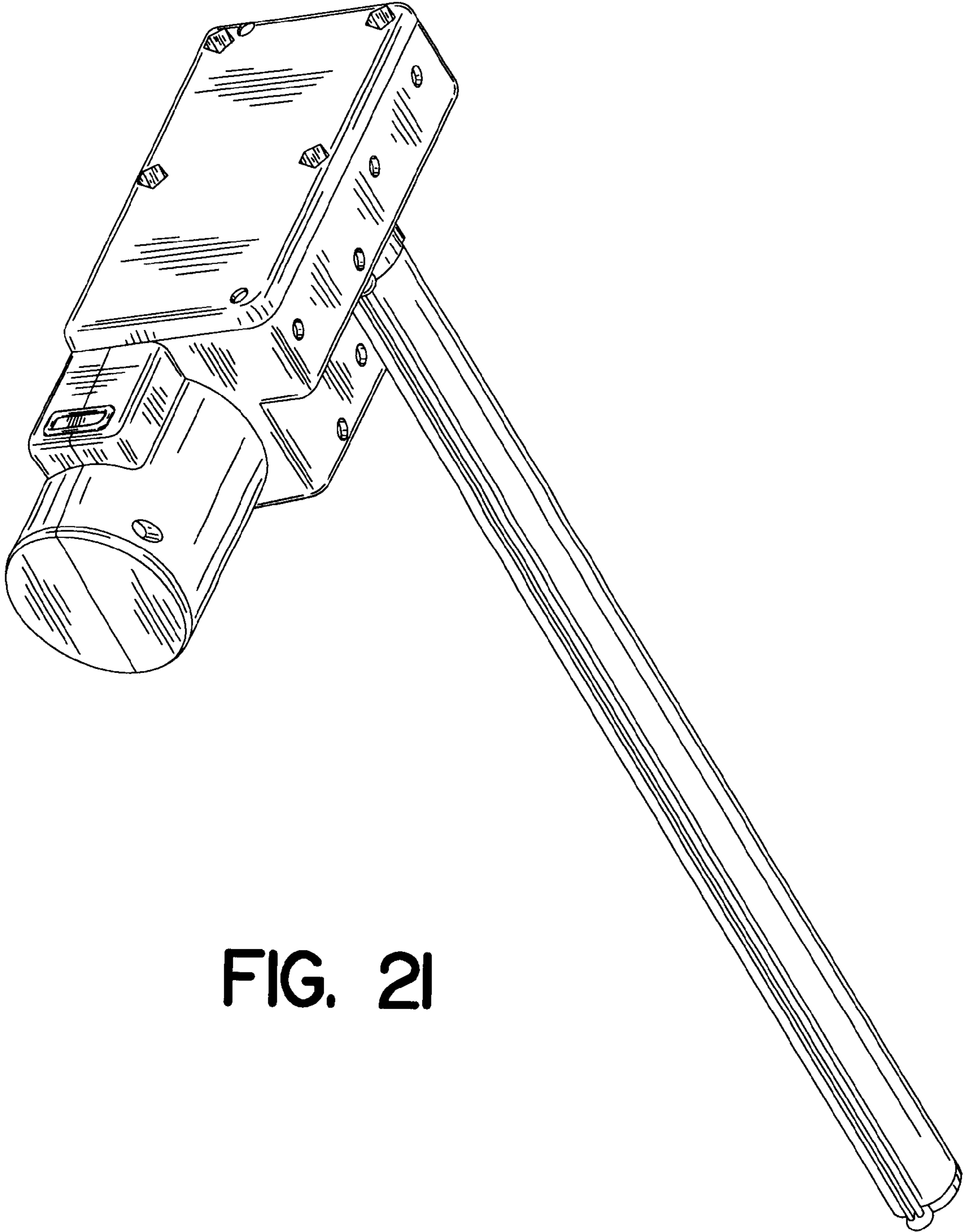


FIG. 21

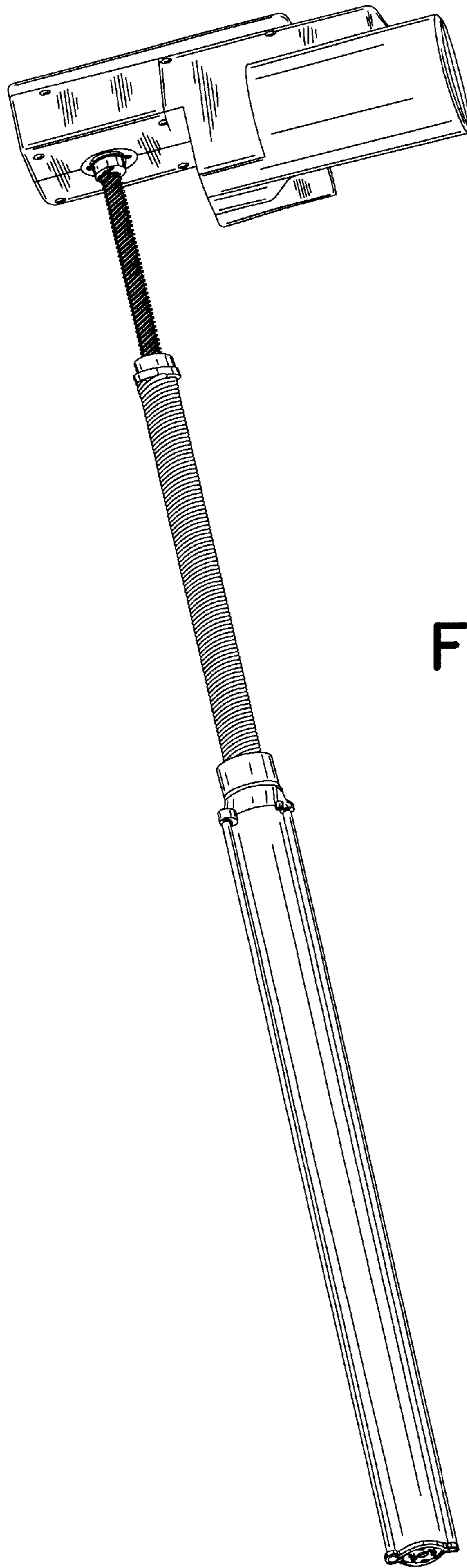


FIG. 22