



US00D383193S

# United States Patent [19]

[11] Patent Number: Des. 383,193

Heren et al.

[45] Date of Patent: \*\*Sep. 2, 1997

[54] WAVE SPRINKLER

[57] CLAIM

[75] Inventors: Lawrence P. Heren, East Peoria, Ill.;  
Thomas R. Krueger, Edgewood, Ky.;  
Ronald G. Hayes, Milford, Ohio

The ornamental design for a wave sprinkler, as shown and described.

[73] Assignee: L. R. Nelson Corporation, Peoria, Ill.

### DESCRIPTION

[\*\*] Term: 14 Years

FIG. 1 is a top plan view of a twenty nozzle embodiment of a wave sprinkler showing our new design;

[21] Appl. No.: 39,777

FIG. 2 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

[22] Filed: May 26, 1995

FIG. 3 is a front elevational view thereof;

### Related U.S. Application Data

FIG. 4 is a rear elevational view thereof;

[63] Continuation-in-part of Ser. No. 25,535, Jun. 1, 1994, abandoned, and a continuation-in-part of Ser. No. 25,533, Jun. 1, 1994, abandoned, and a continuation-in-part of Ser. No. 25,534, Jun. 1, 1994, abandoned.

FIG. 5 is a bottom plan view thereof;

[51] LOC (6) Cl. .... 23-01

FIG. 6 is a top plan view of a sixteen nozzle embodiment of a wave sprinkler showing our new design;

[52] U.S. Cl. .... D23/216

FIG. 7 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

[58] Field of Search ..... D23/213-217;  
239/222.13, 222.21, 225.1, 230-33, 240-242,  
390, 248, 263, 562, 563, DIG. 1

FIG. 8 is a front elevational view thereof;

FIG. 9 is a rear elevational view thereof;

FIG. 10 is a bottom plan view thereof;

FIG. 11 is a top plan view of a twenty nozzle embodiment of a wave sprinkler with a flow control showing our new design;

FIG. 12 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 13 is a front elevational view thereof;

FIG. 14 is a rear elevational view thereof;

FIG. 15 is a bottom plan view thereof;

FIG. 16 is a top plan view of a sixteen nozzle embodiment of a wave sprinkler with flow control showing our new design;

FIG. 17 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 18 is a front elevational view thereof;

FIG. 19 is a rear elevational view thereof;

FIG. 20 is a bottom plan view thereof;

FIG. 21 is a top plan view of a twenty nozzle embodiment of a wave sprinkler with a flow control and spray width adjustment showing our new design;

FIG. 22 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 23 is a front elevational view thereof;

FIG. 24 is a rear elevational view thereof;

FIG. 25 is a bottom plan view thereof;

### [56] References Cited

#### U.S. PATENT DOCUMENTS

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Primary Examiner—A. Hugo Word  
Assistant Examiner—Robin V. Taylor  
Attorney, Agent, or Firm—Daniel J. Hulseberg; Mayer, Brown & Platt

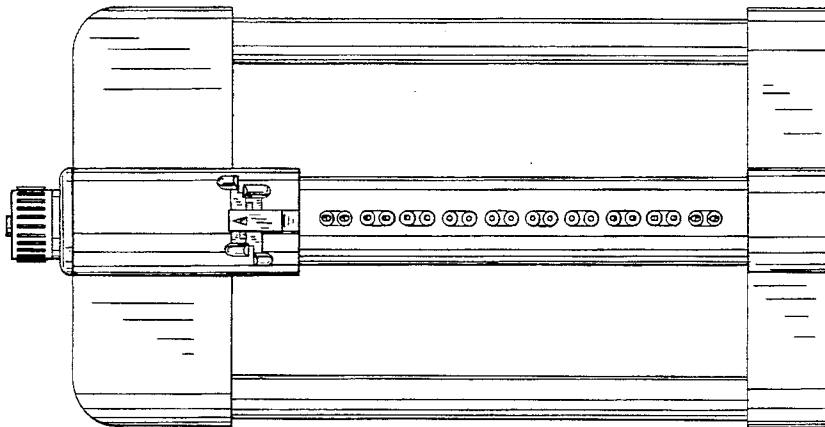


FIG. 26 is a top plan view of a sixteen nozzle embodiment of a wave sprinkler with flow control and spray width adjustment showing our new design;

FIG. 27 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 28 is a front elevational view thereof;

FIG. 29 is a rear elevational view thereof;

FIG. 30 is a bottom plan view thereof;

FIG. 31 is a top plan view of a twenty nozzle embodiment of a wave sprinkler with a timer control showing our new design;

FIG. 32 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 33 is a front elevational view thereof;

FIG. 34 is a rear elevational view thereof;

FIG. 35 is a bottom plan view thereof;

FIG. 36 is a top plan view of a sixteen nozzle embodiment of a wave sprinkler with timer control showing our new design;

FIG. 37 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 38 is a front elevational view thereof;

FIG. 39 is a rear elevational view thereof;

FIG. 40 is a bottom plan view thereof;

FIG. 41 is a top plan view of a twenty nozzle embodiment of a wave sprinkler with a timer control and spray width adjustment showing our new design;

FIG. 42 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 43 is a front elevational view thereof;

FIG. 44 is a rear elevational view thereof;

FIG. 45 is a bottom plan view thereof;

FIG. 46 is a top plan view of a sixteen nozzle embodiment of a wave sprinkler with timer control and spray width adjustment showing our new design;

FIG. 47 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;

FIG. 48 is a front elevational view thereof;

FIG. 49 is a rear elevational view thereof; and,

FIG. 50 is a bottom plan view thereof.

**1 Claim, 40 Drawing Sheets**

FIG. 1

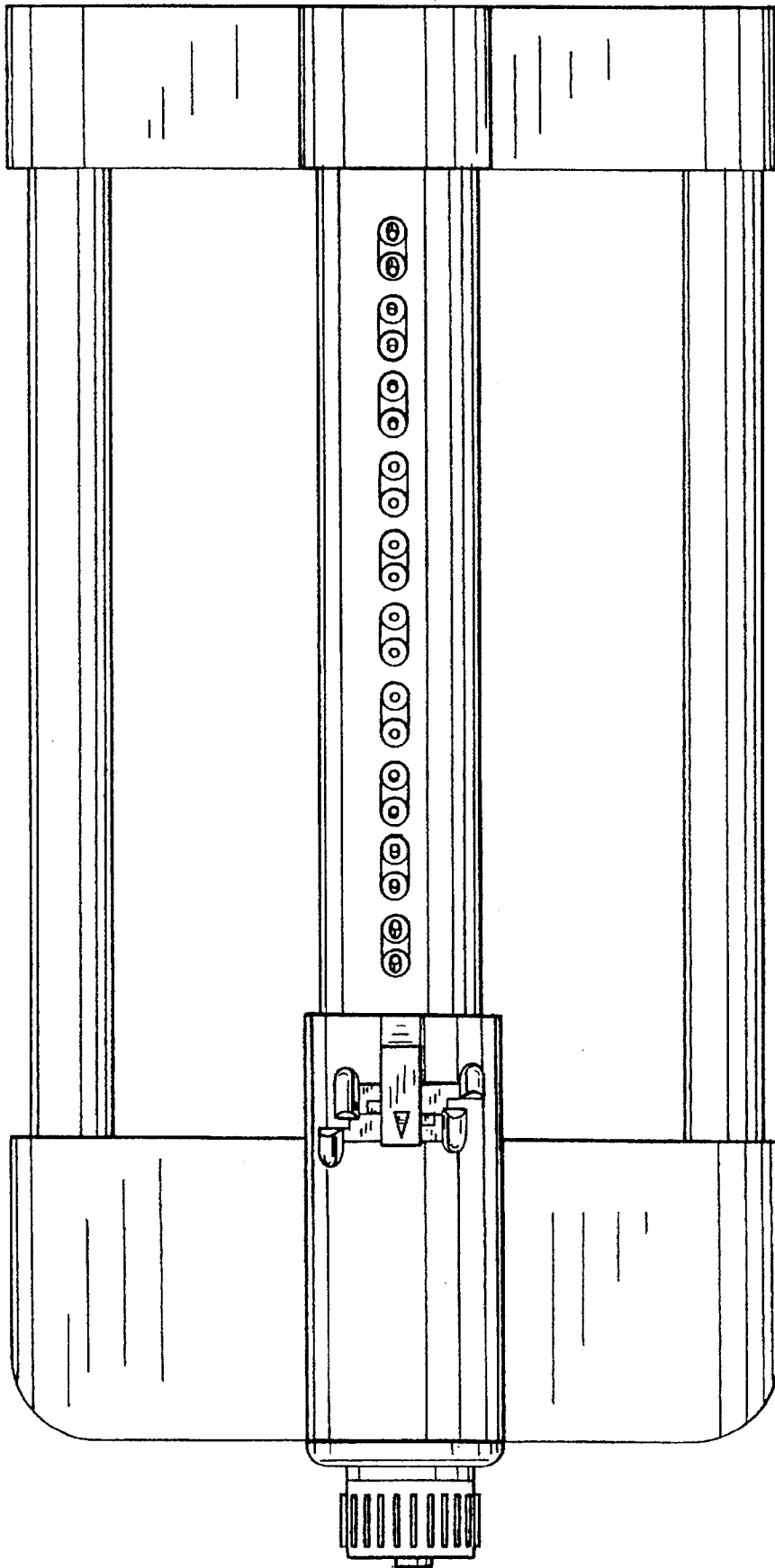


FIG. 2

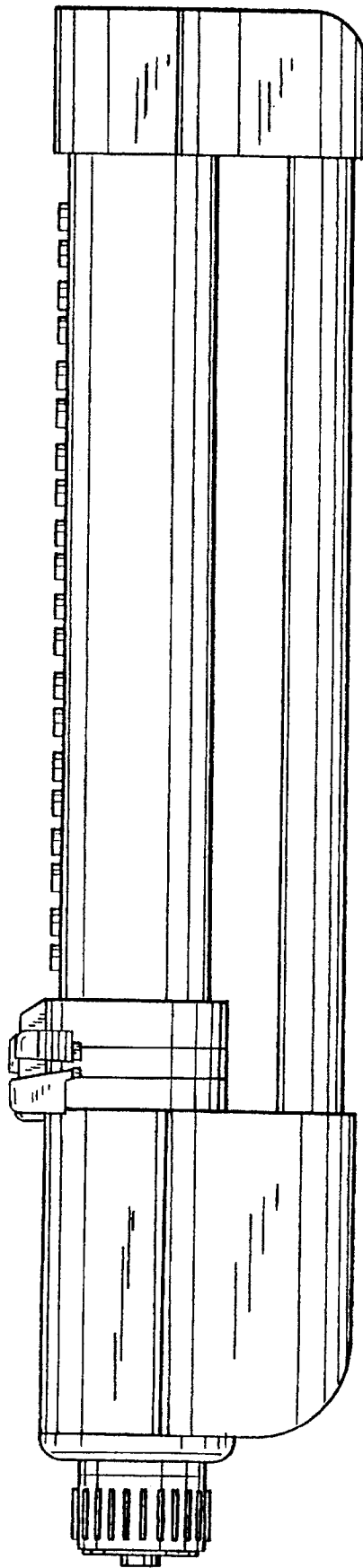


FIG. 3

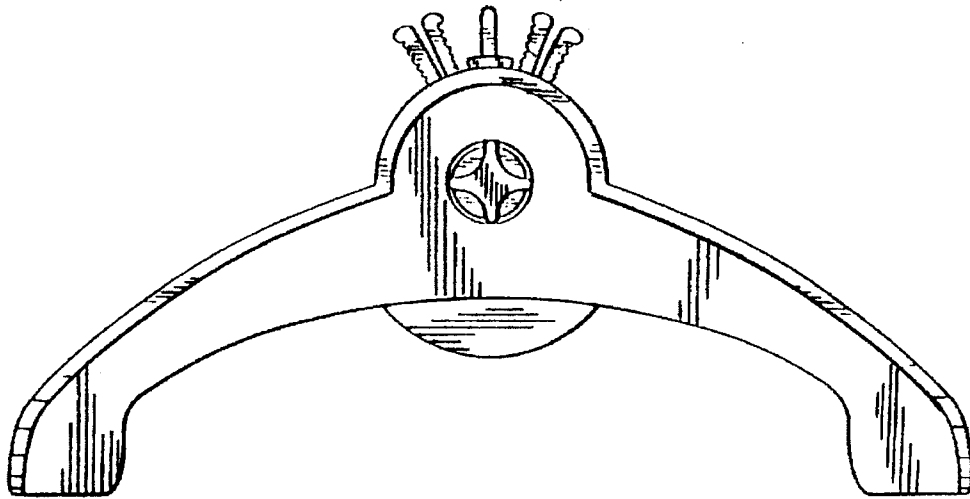


FIG. 4

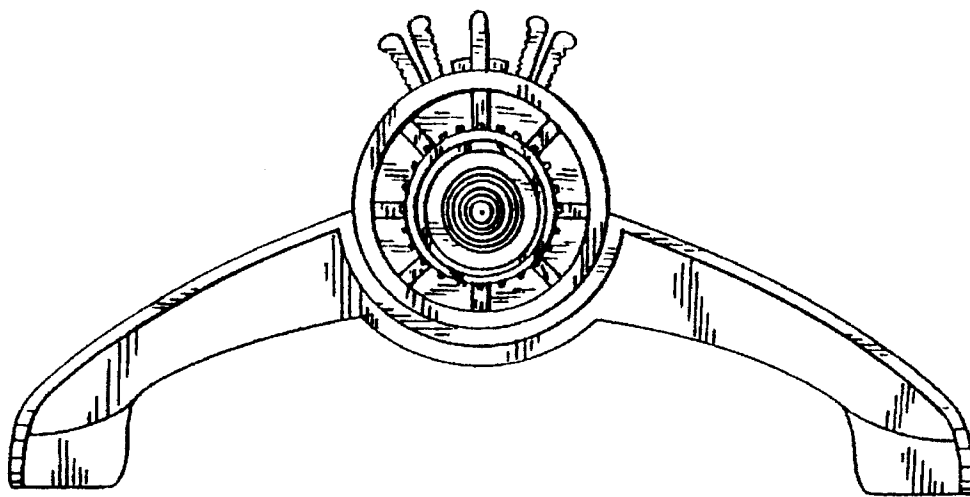


FIG. 5

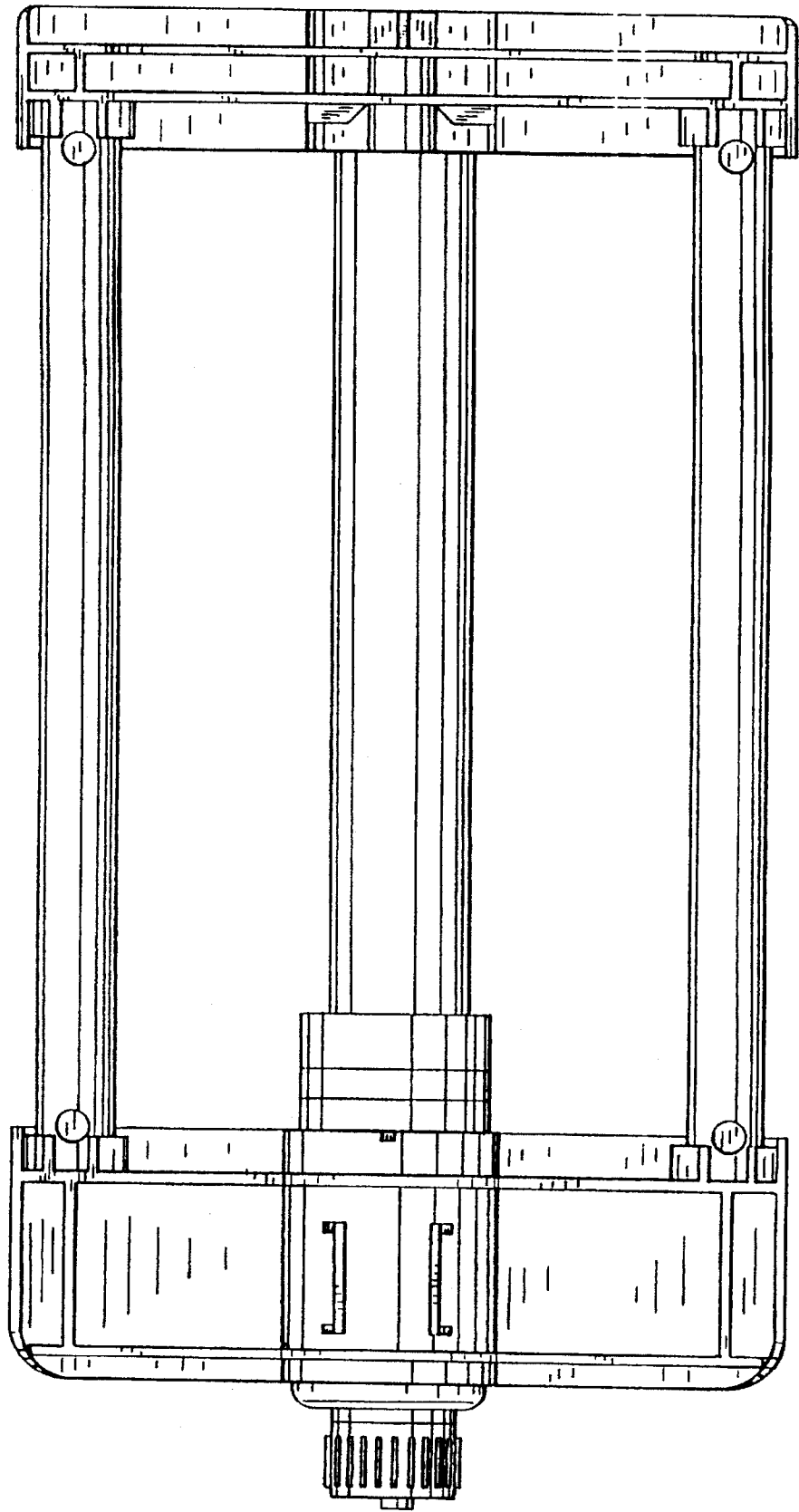


FIG. 6

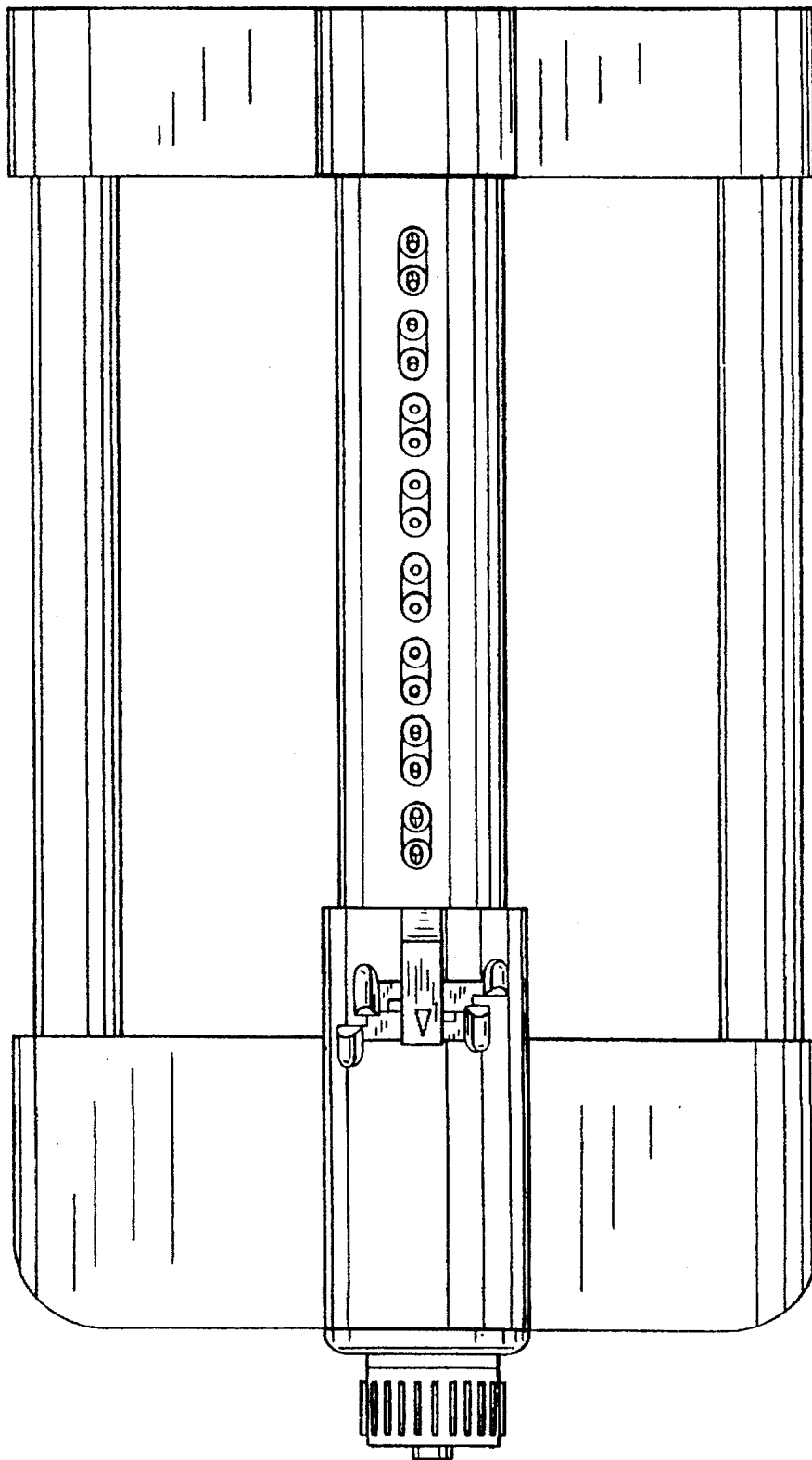


FIG. 7

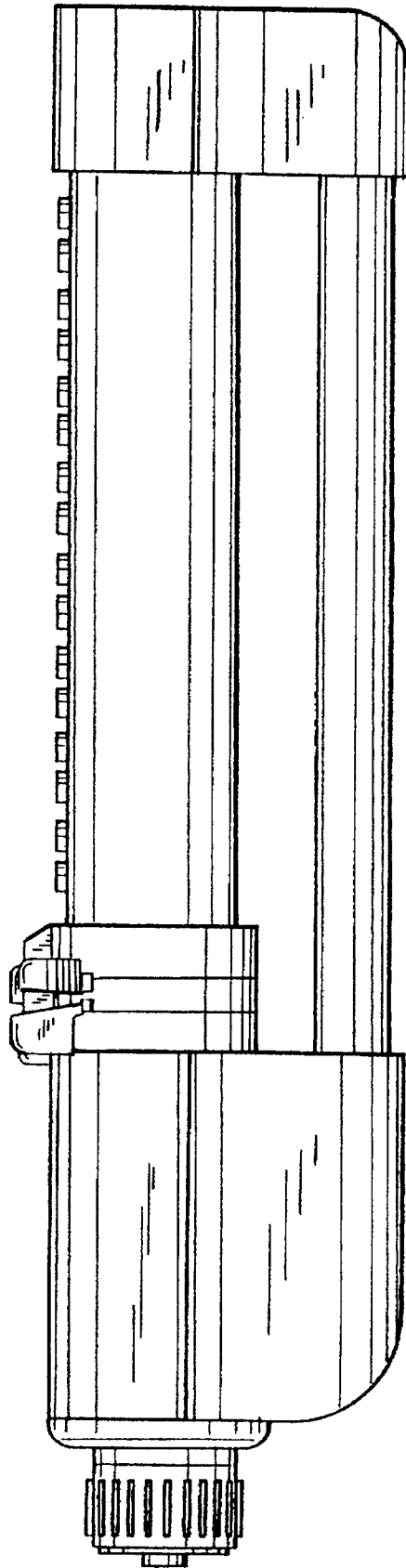




FIG. 8

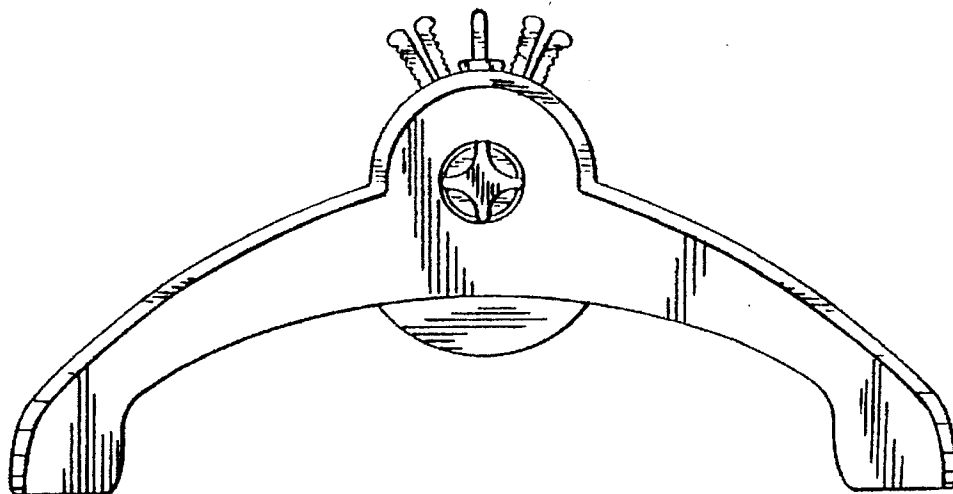


FIG. 9

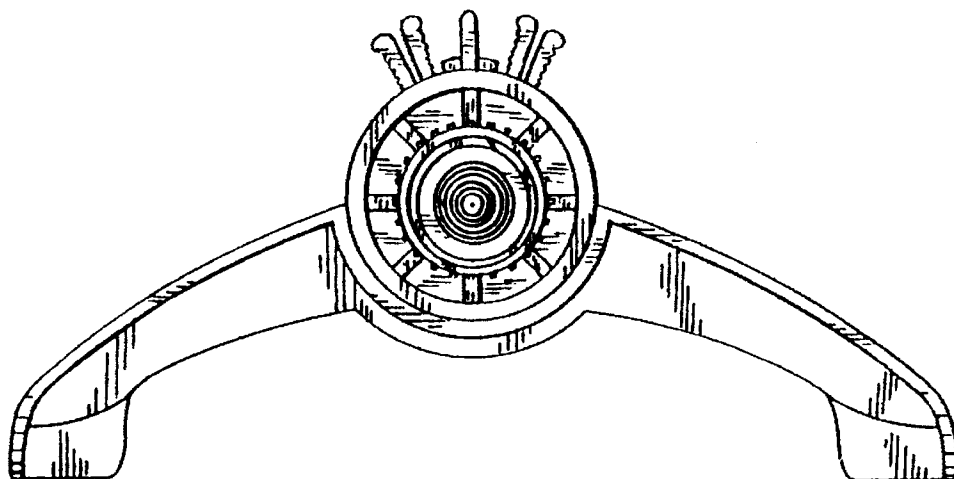


FIG. 10

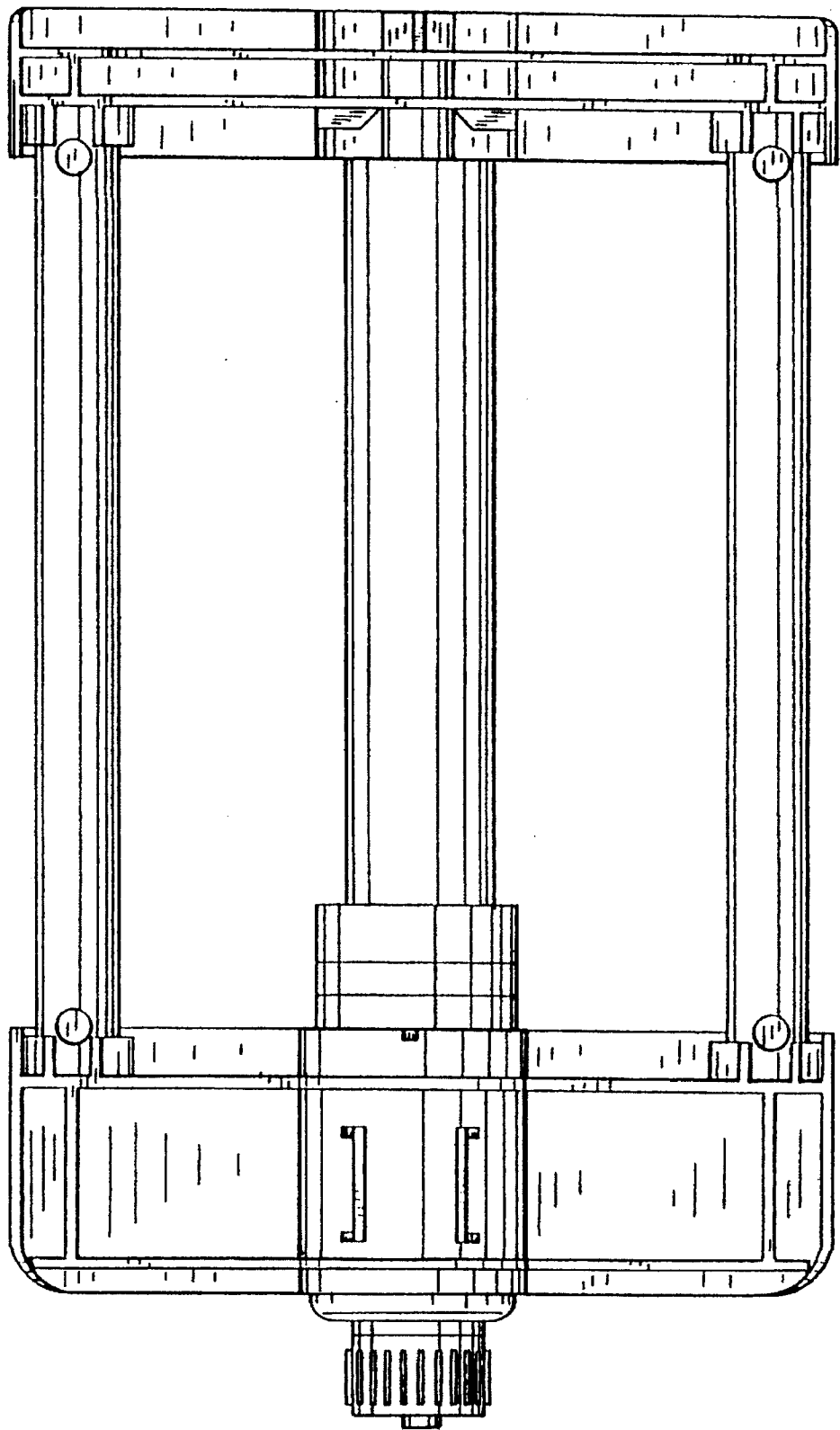


FIG. 11

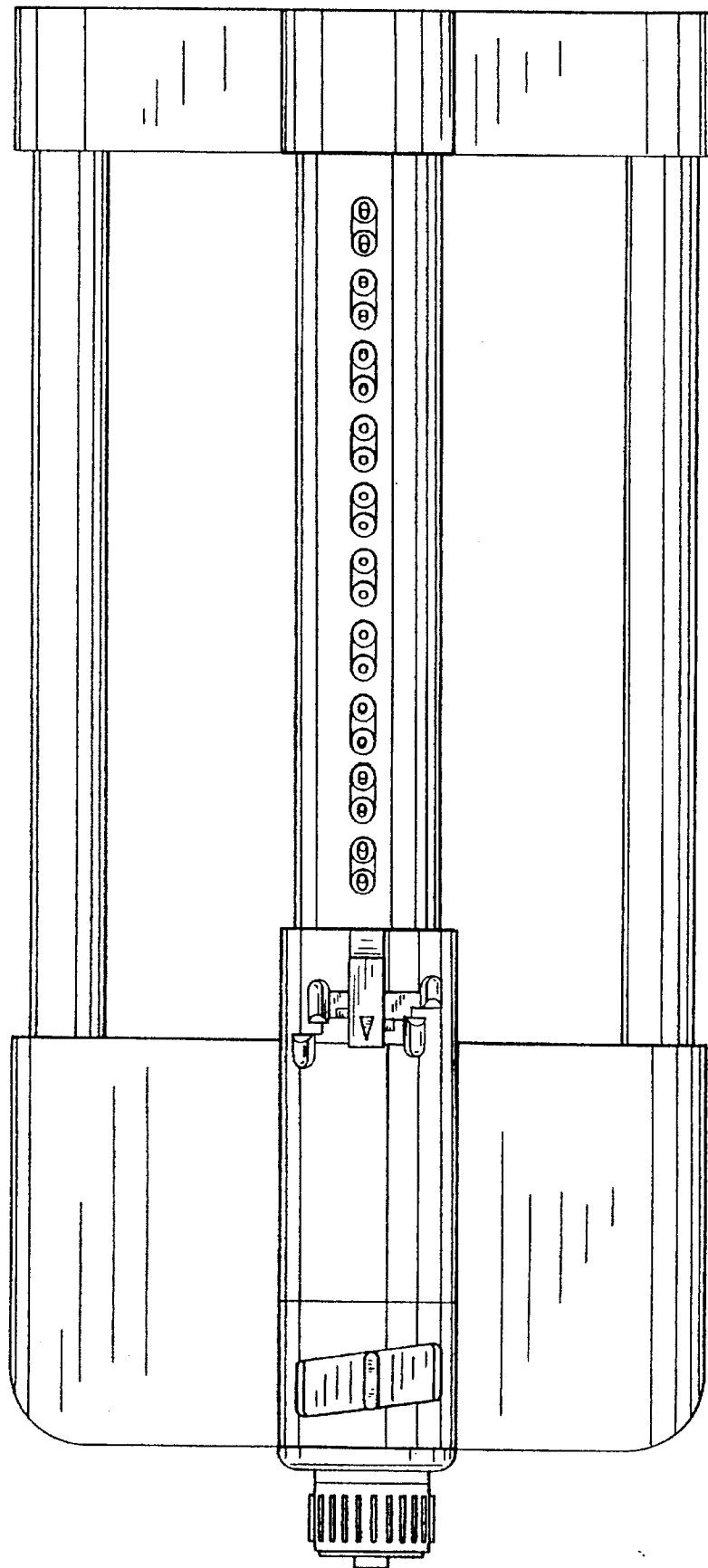


FIG. 12

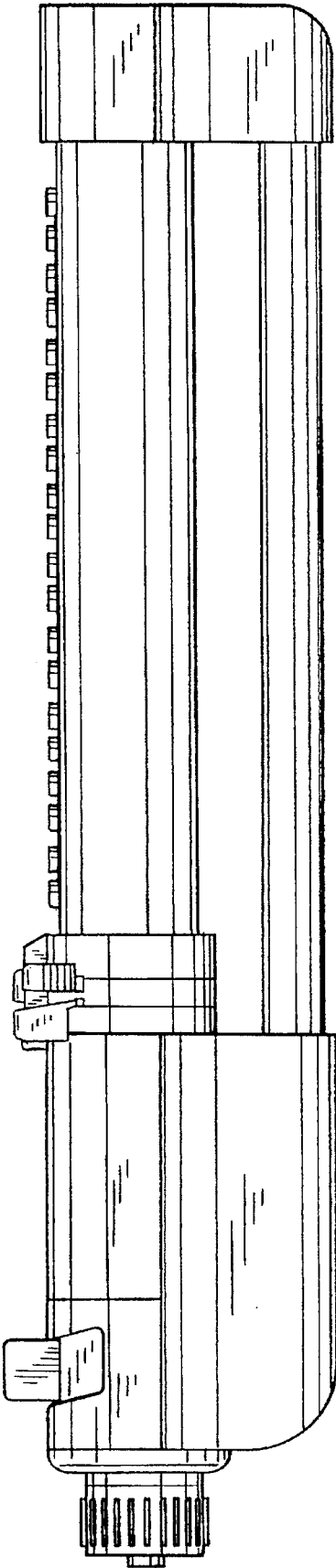


FIG. 13

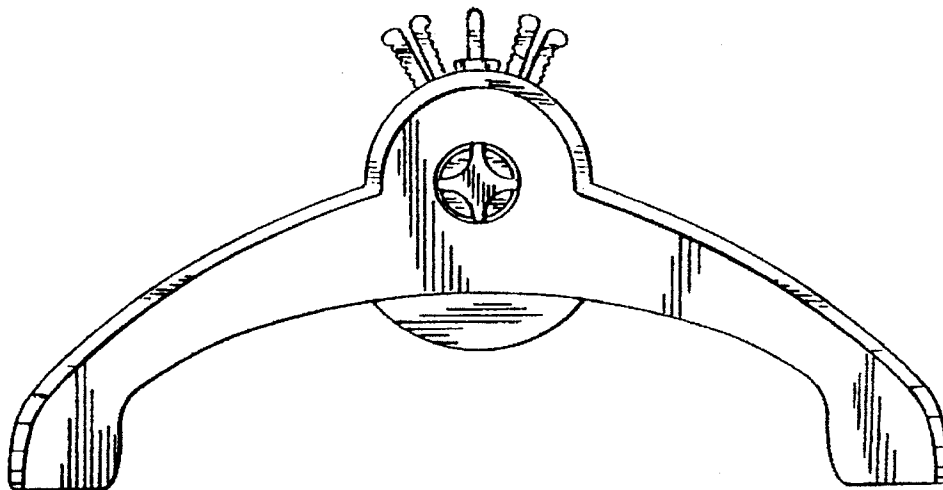


FIG. 14

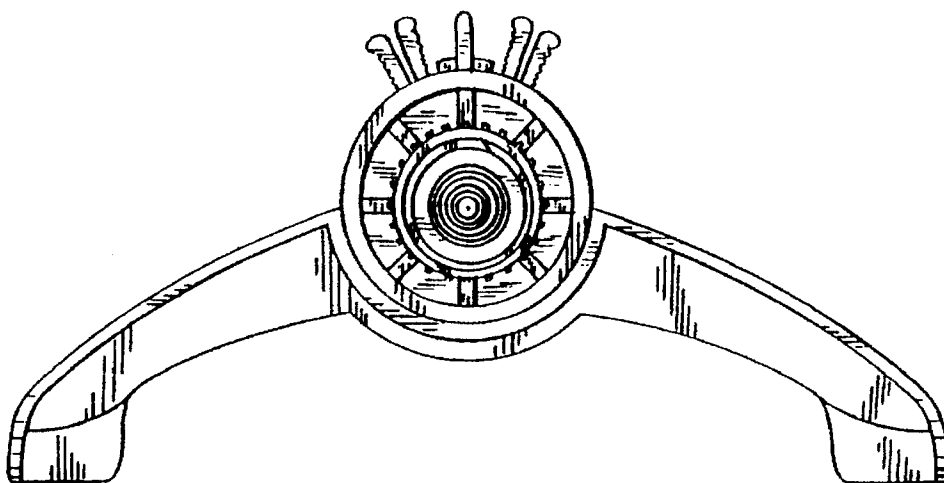


FIG. 15

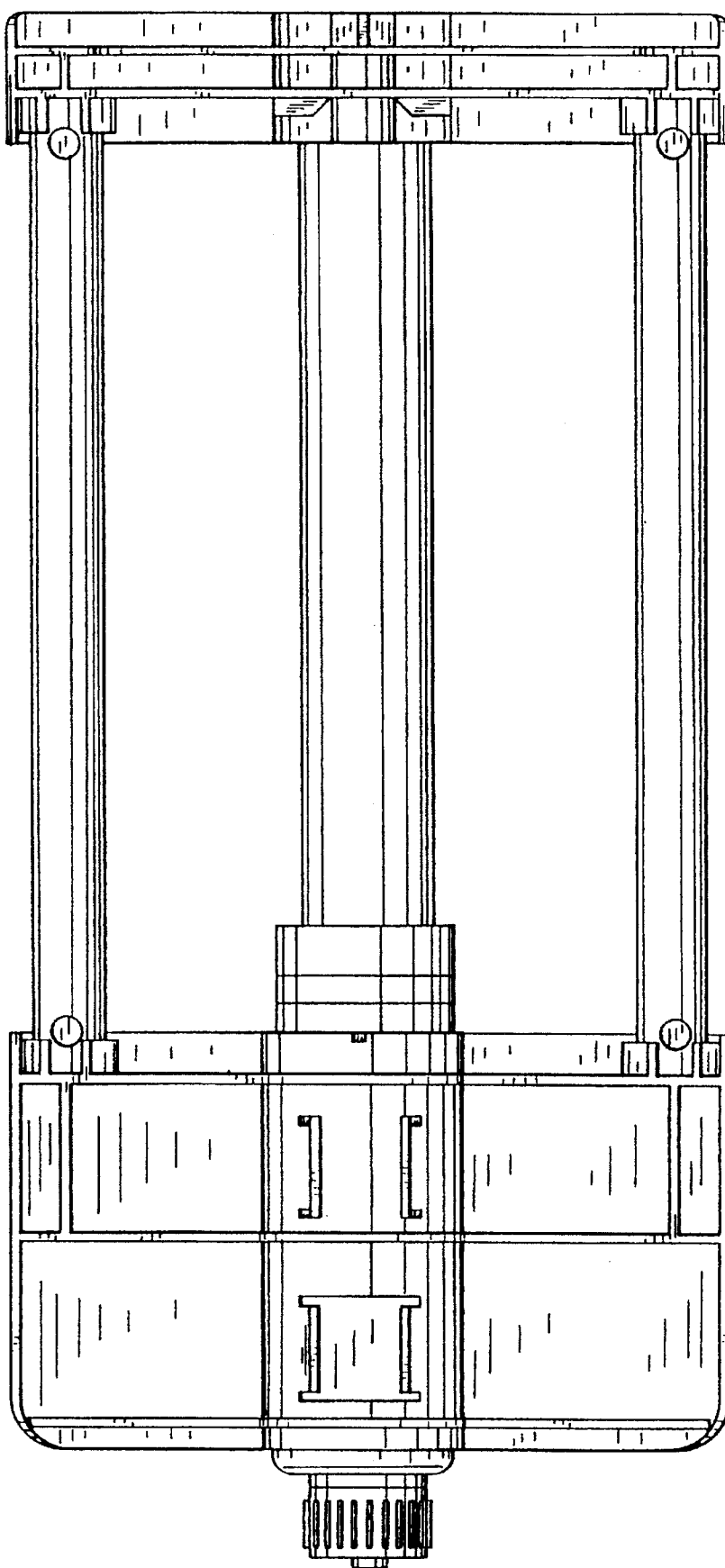


FIG. 16

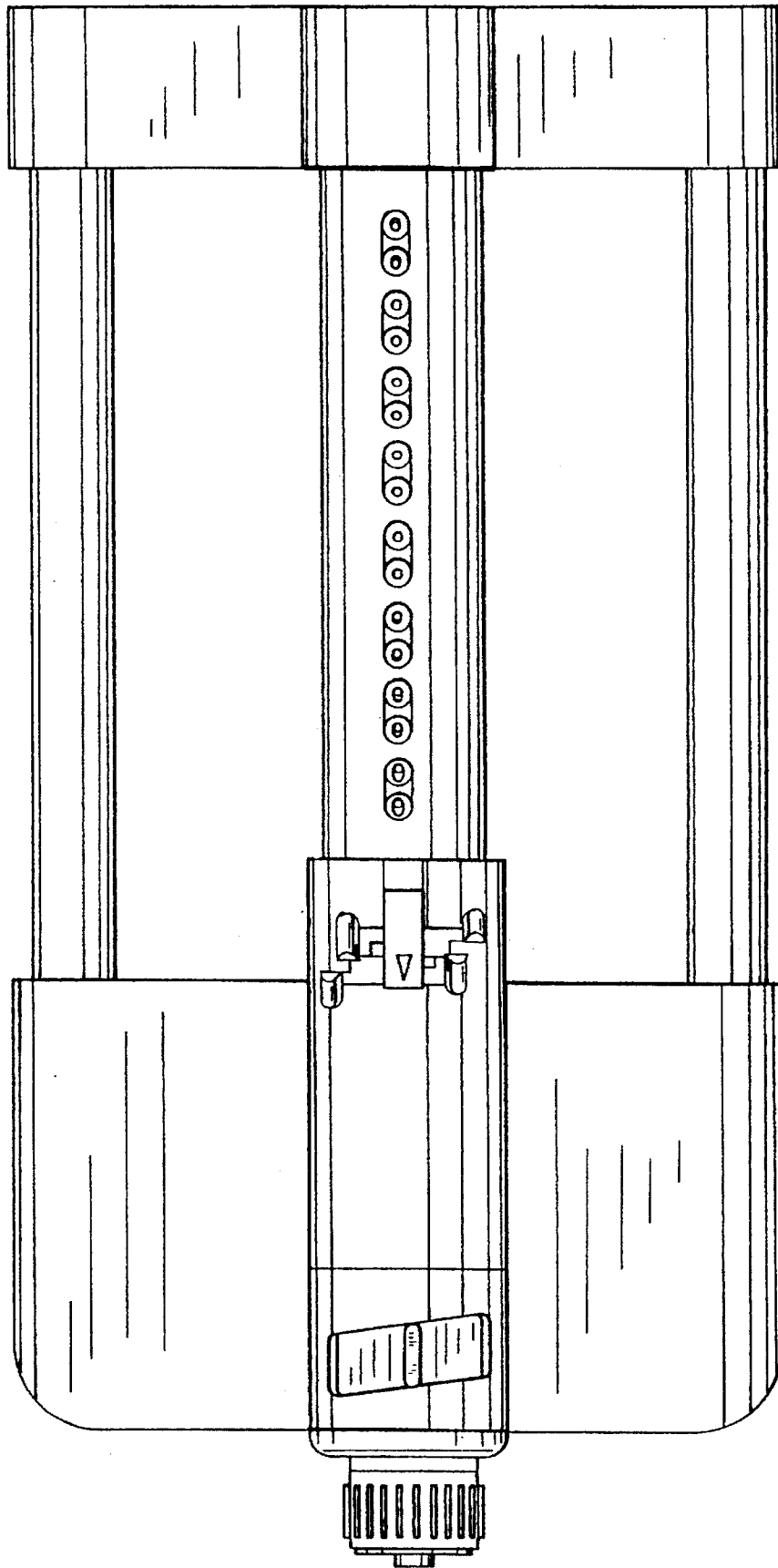


FIG. 17

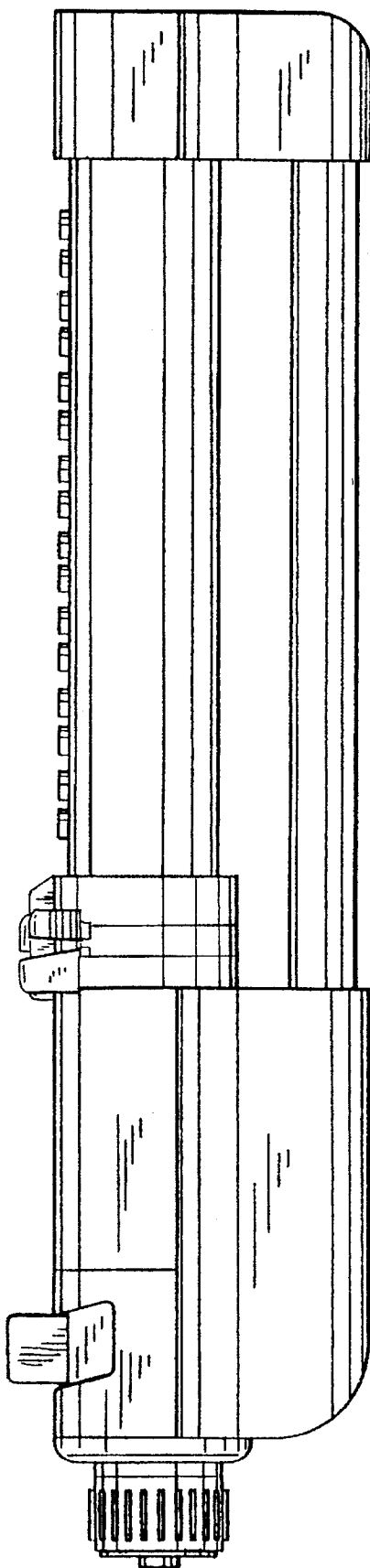




FIG. 18

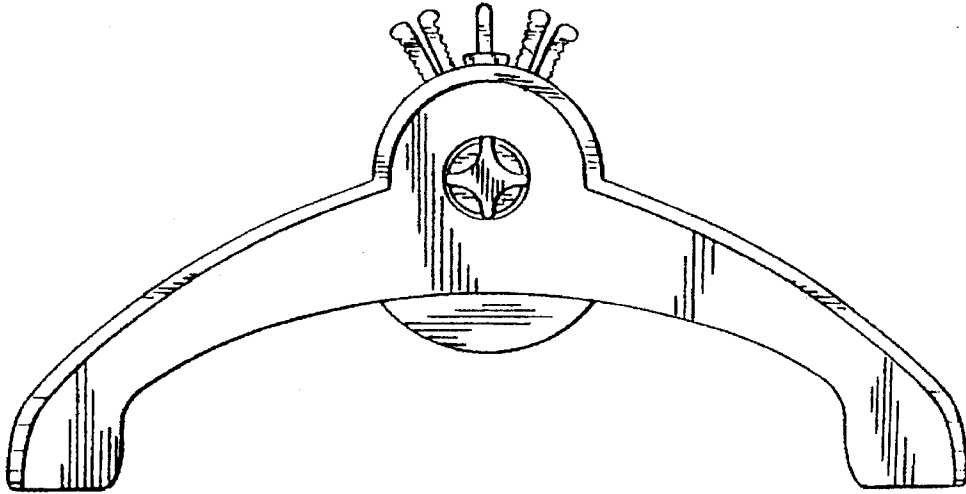


FIG. 19

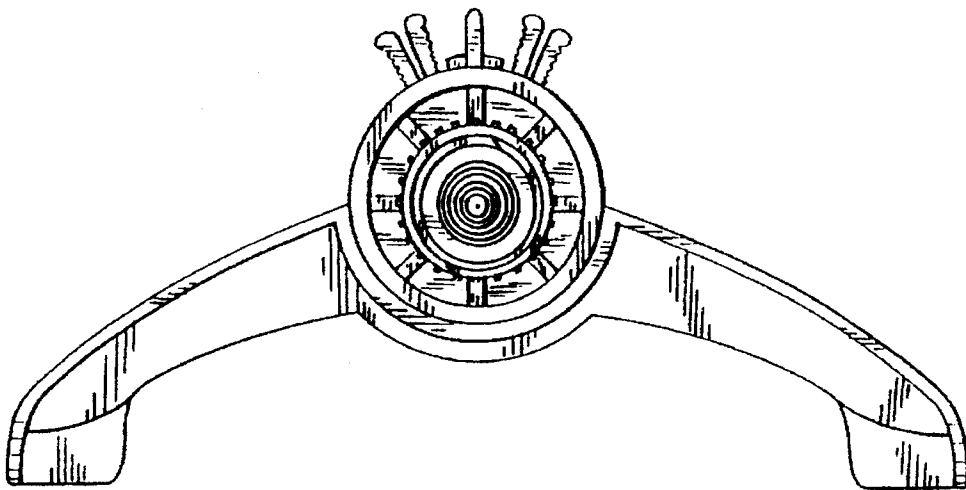


FIG. 20

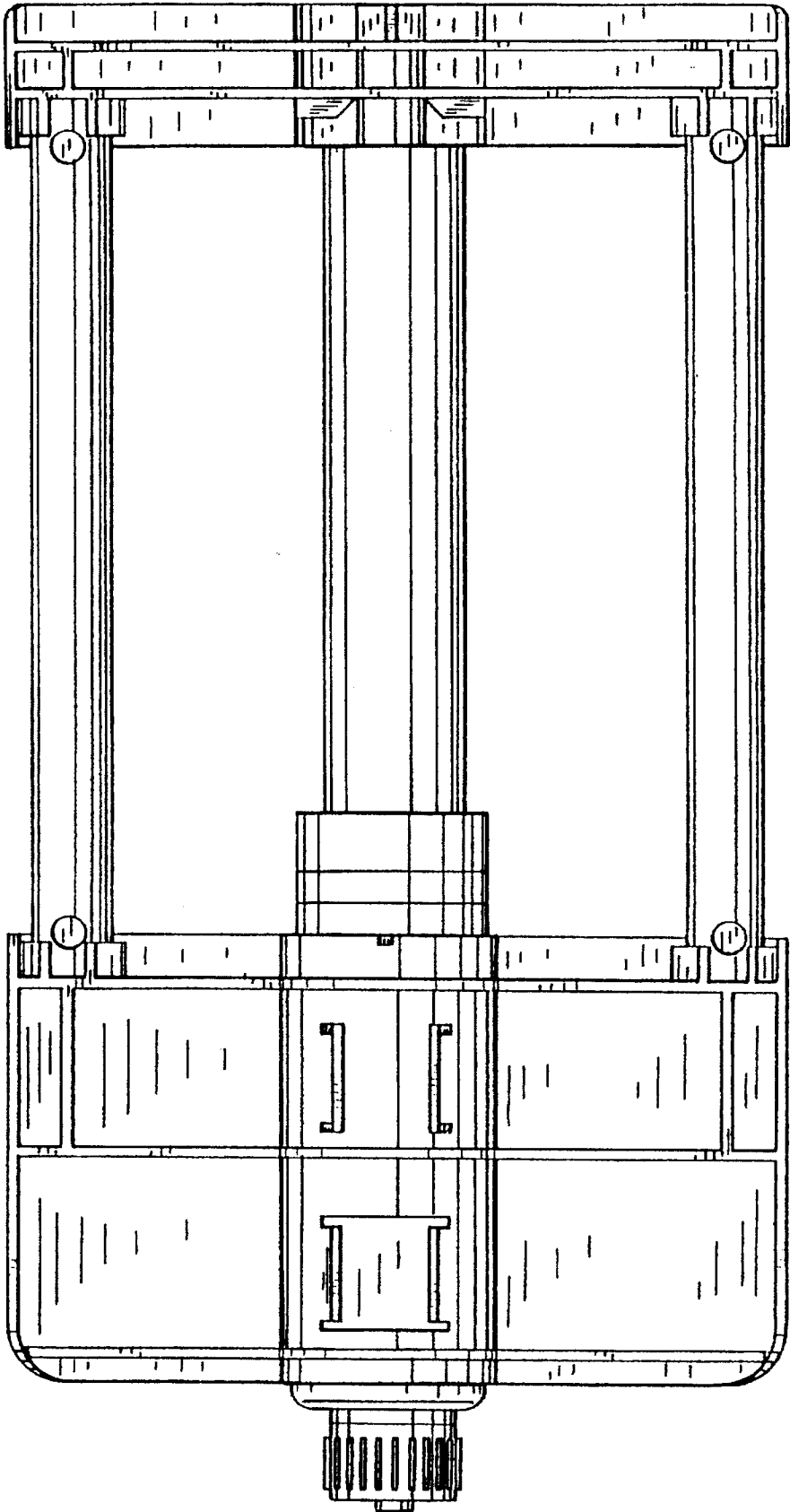


FIG. 21

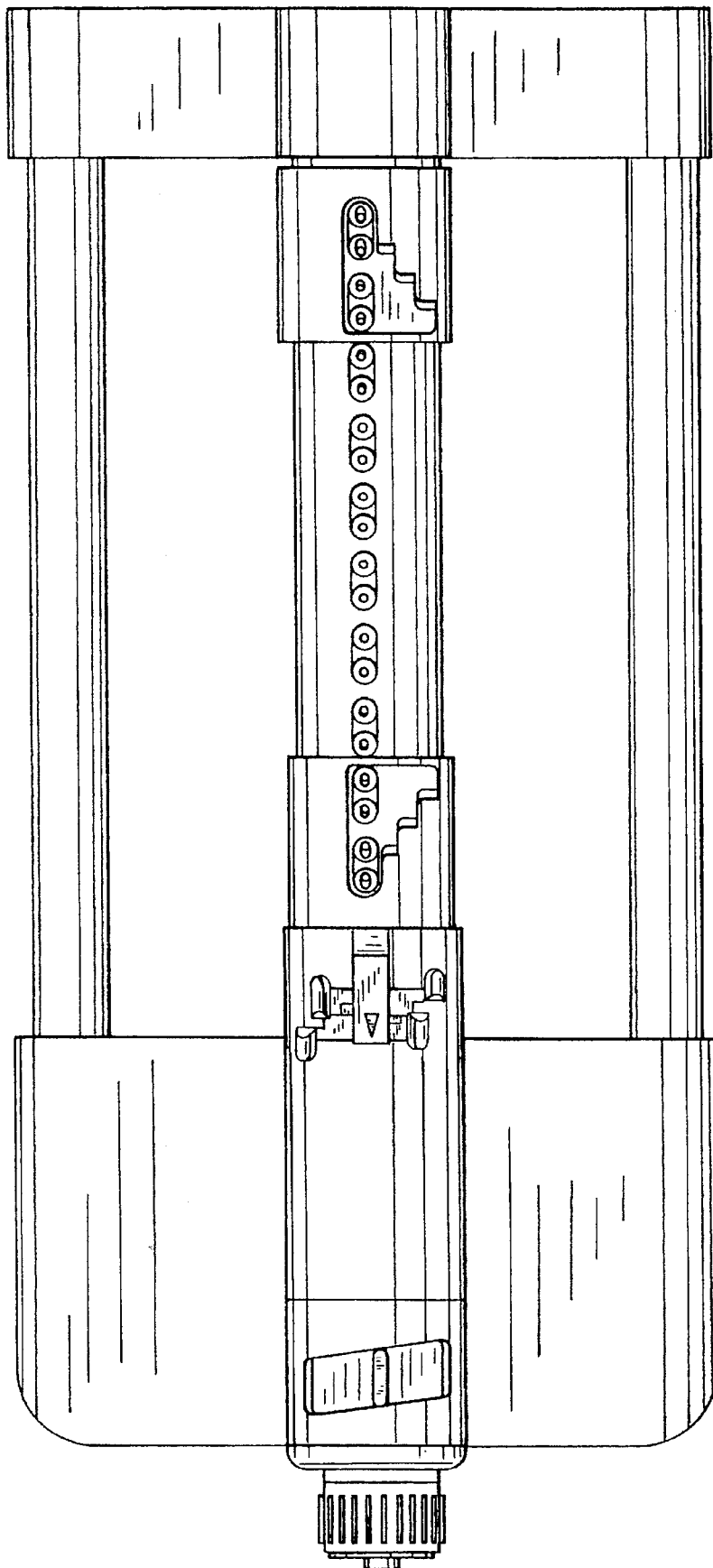


FIG. 22

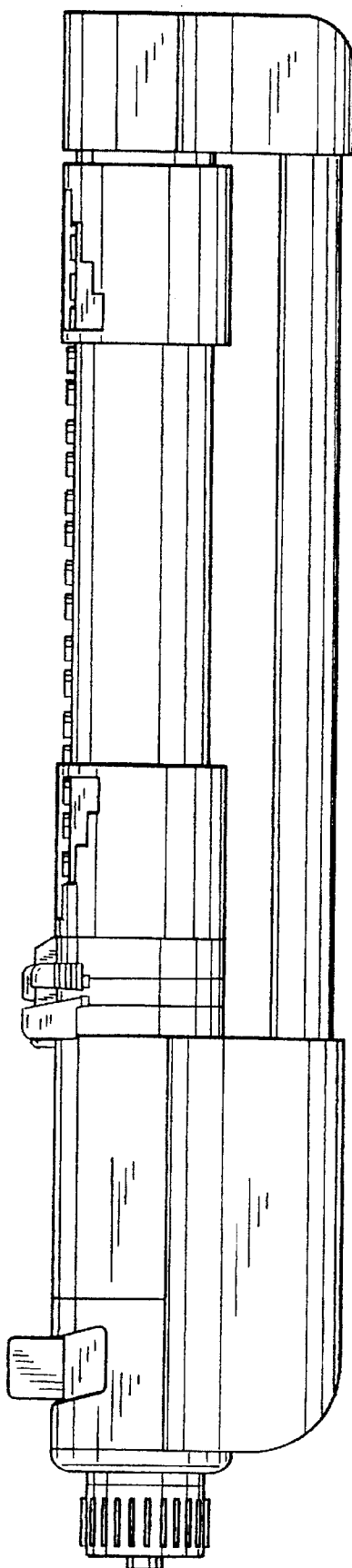


FIG. 23

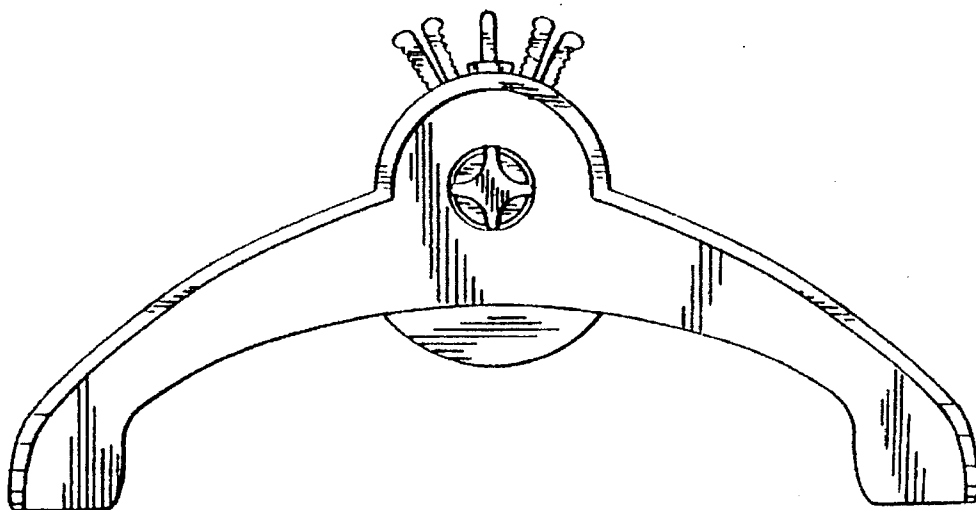


FIG. 24

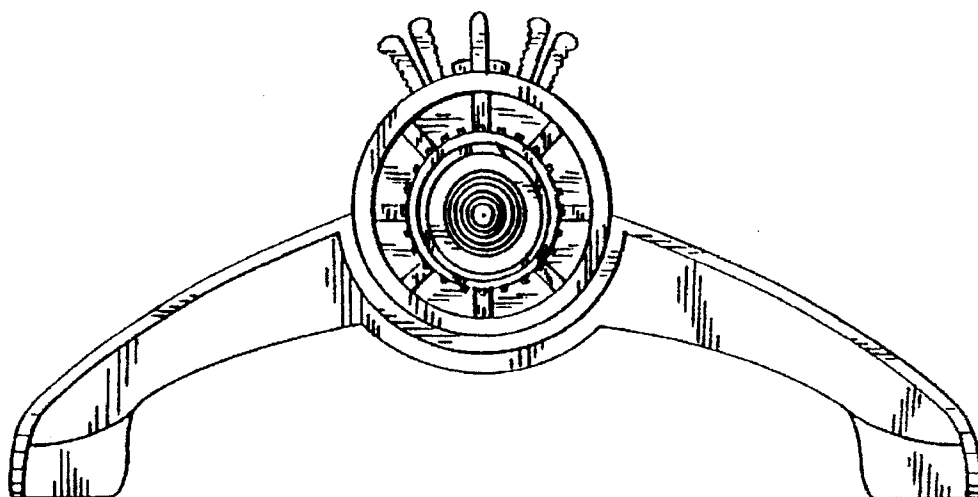


FIG. 25

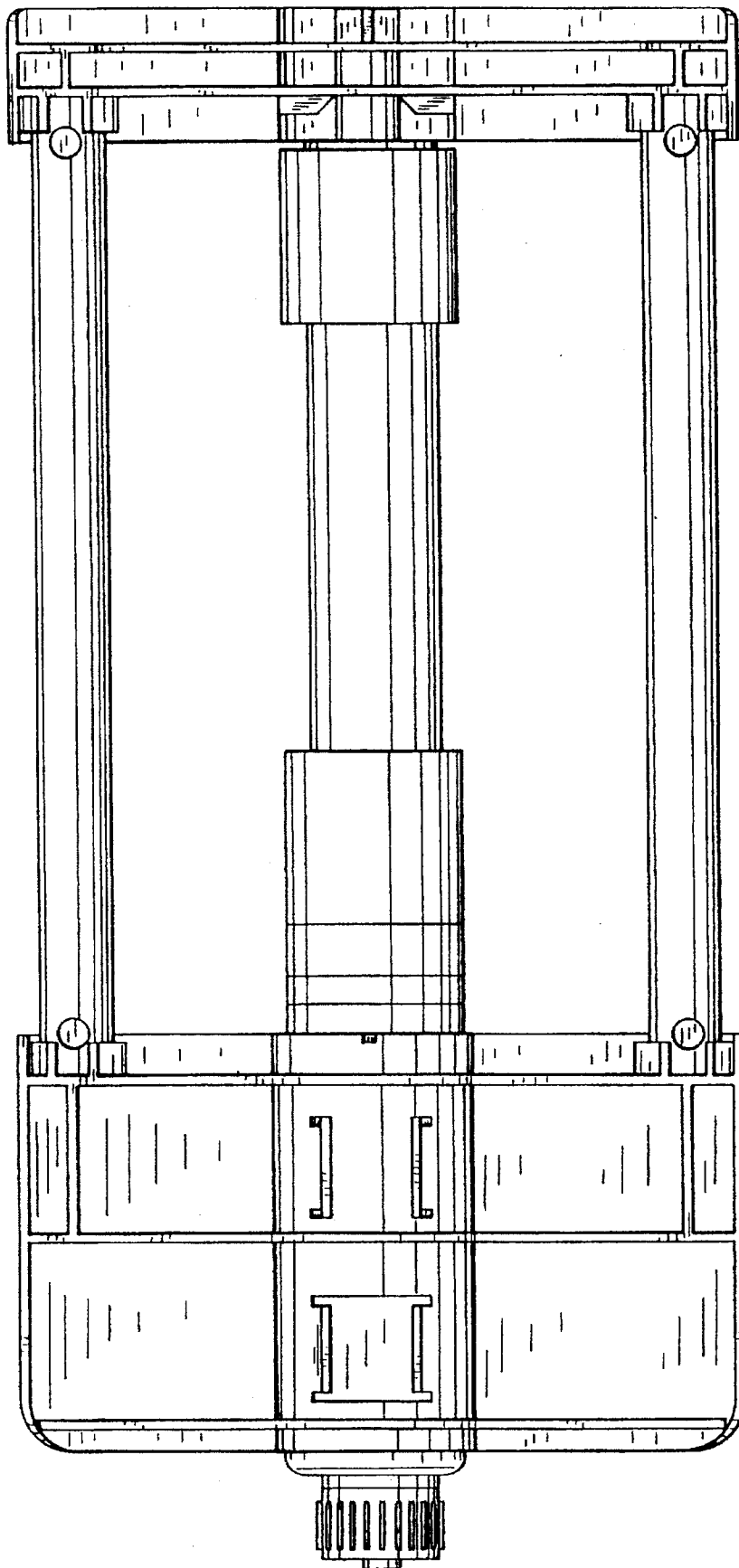


FIG. 26

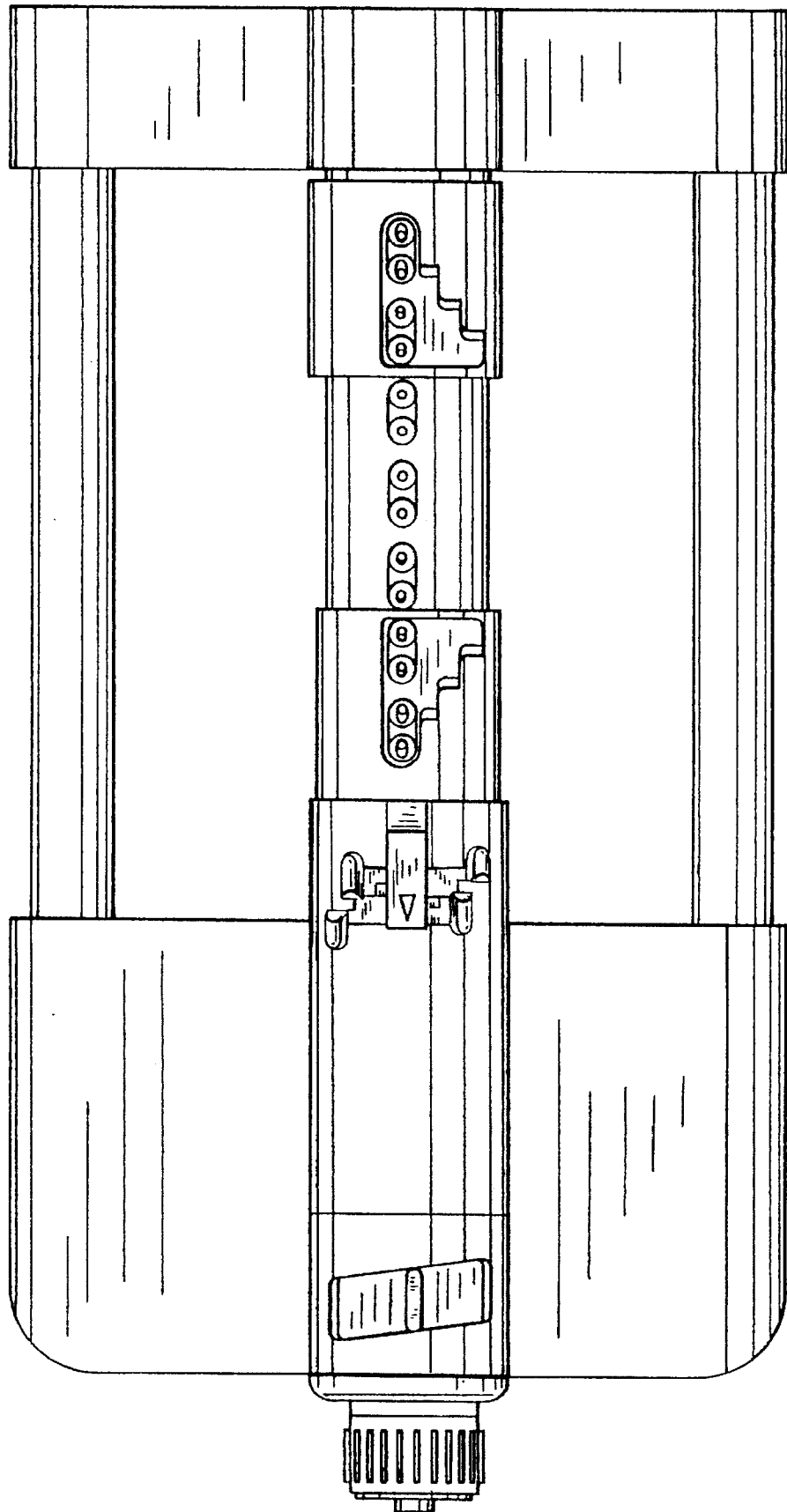


FIG. 27

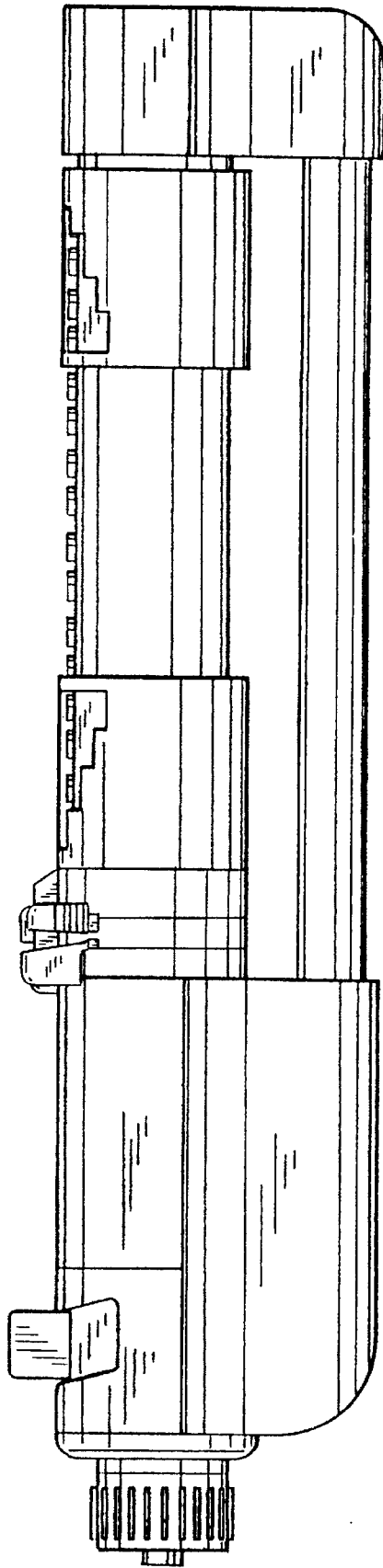




FIG. 28

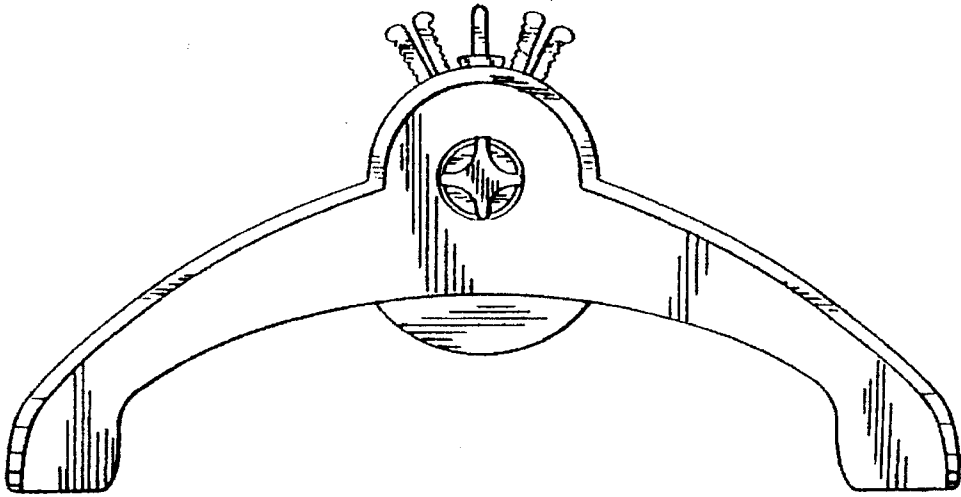


FIG. 29

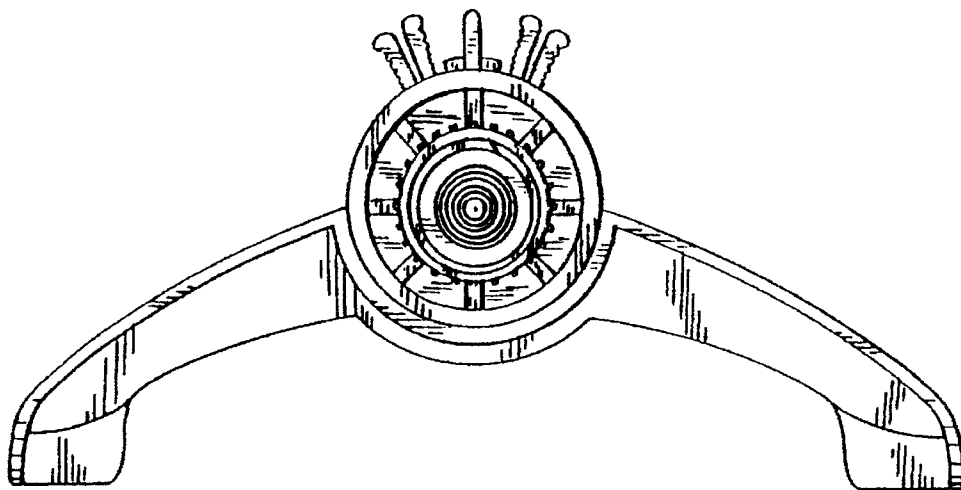


FIG. 30

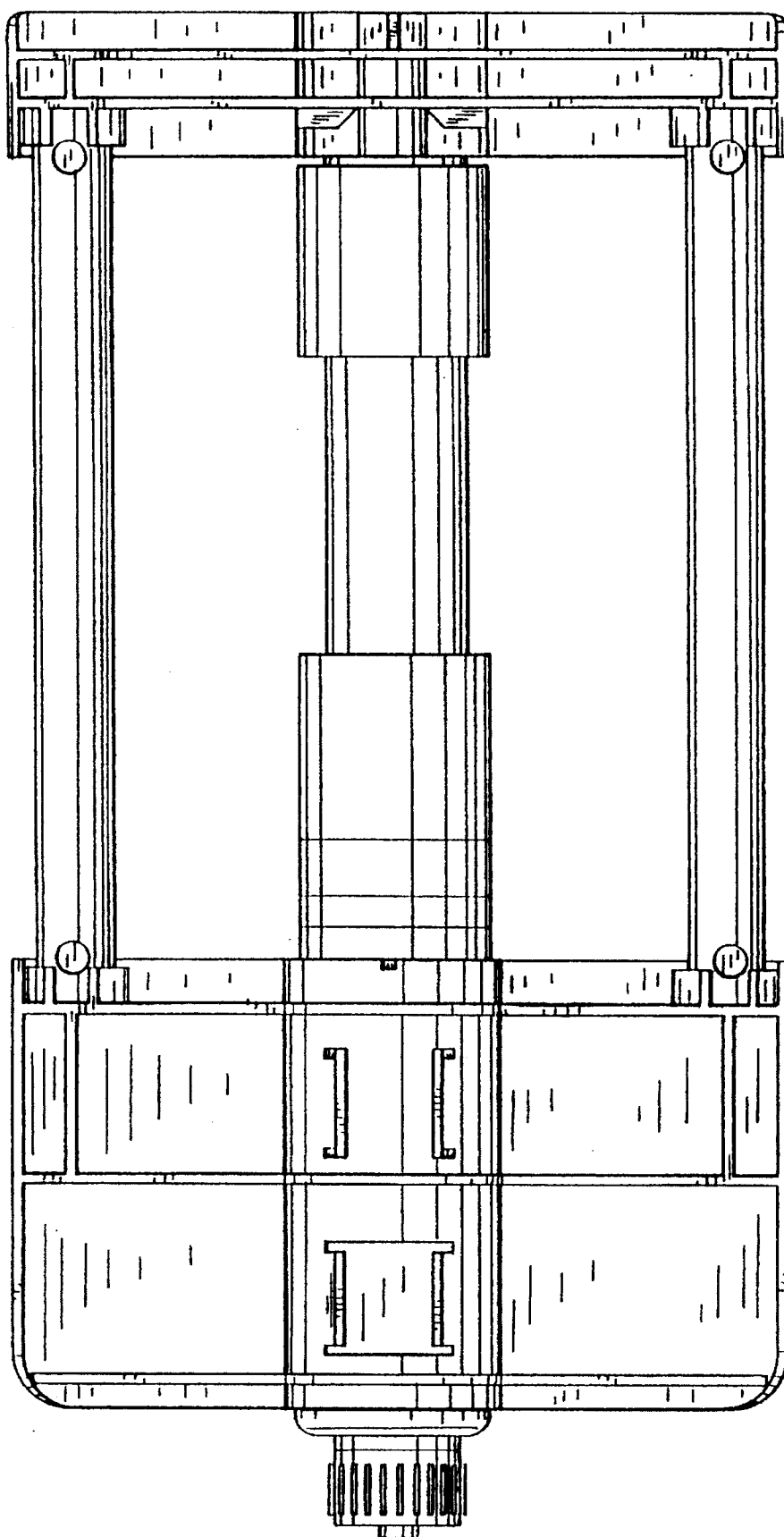


FIG. 31

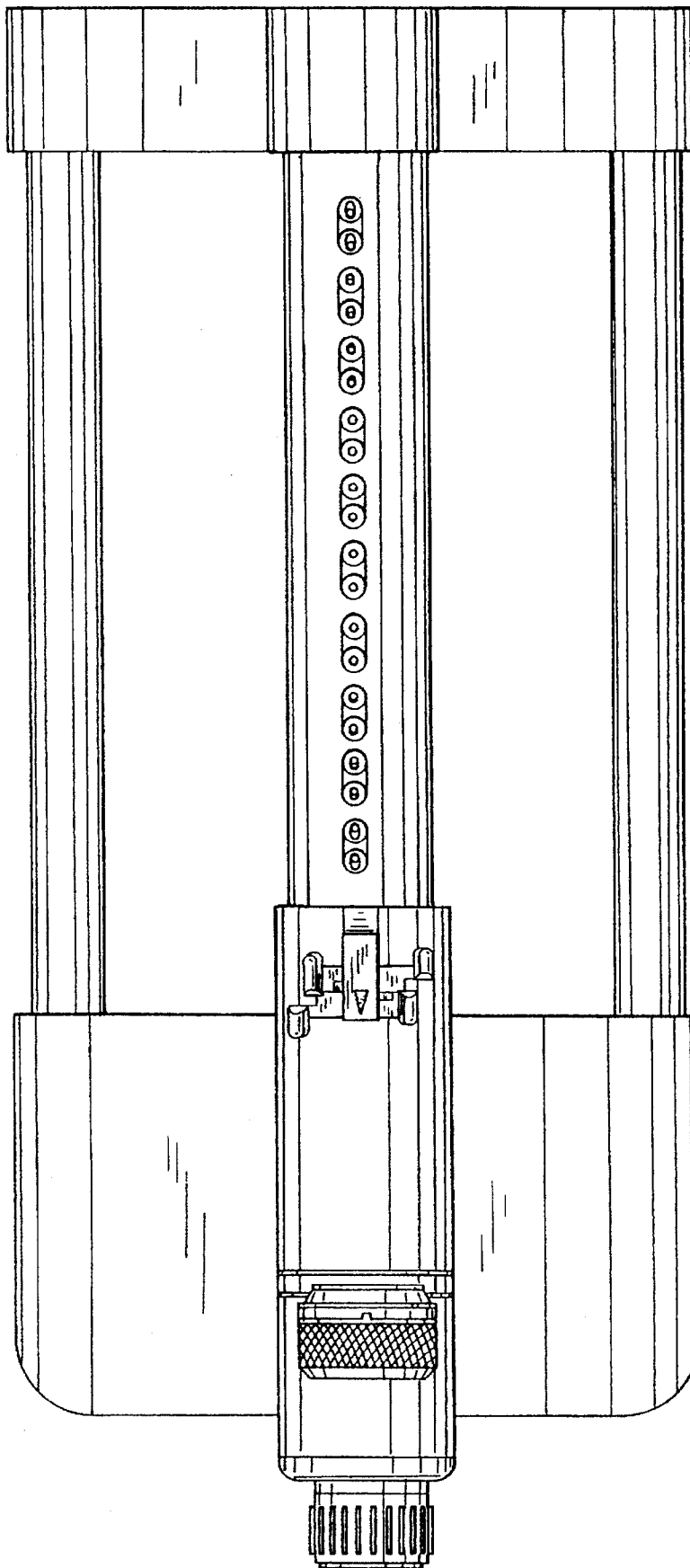


FIG. 32

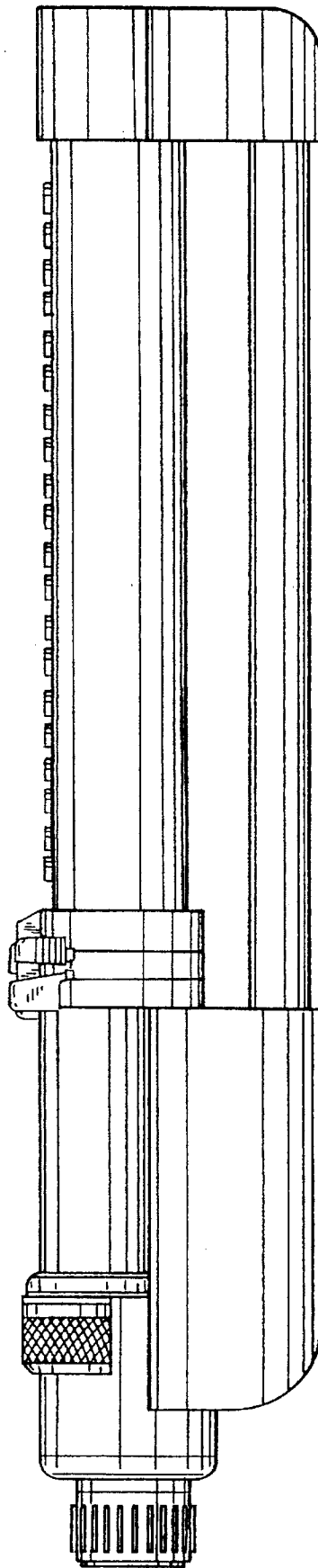


FIG. 33

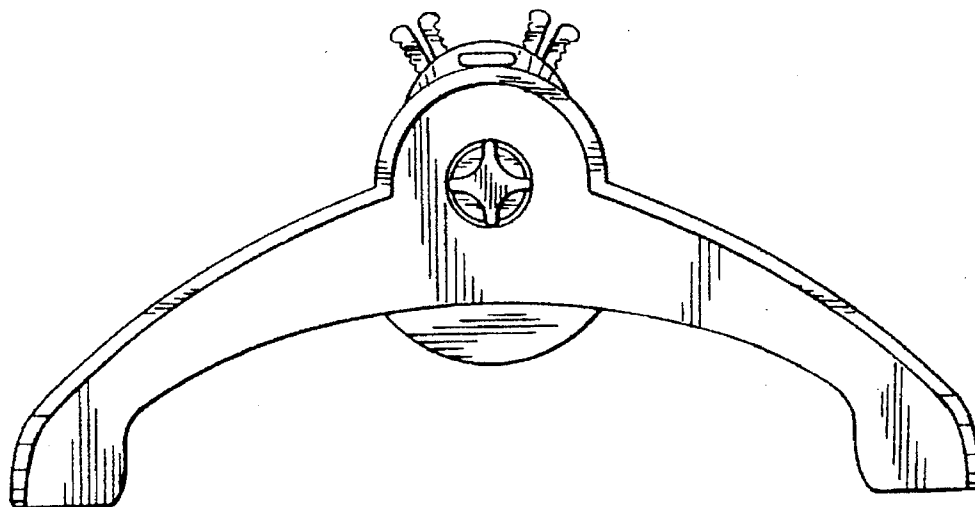


FIG. 34

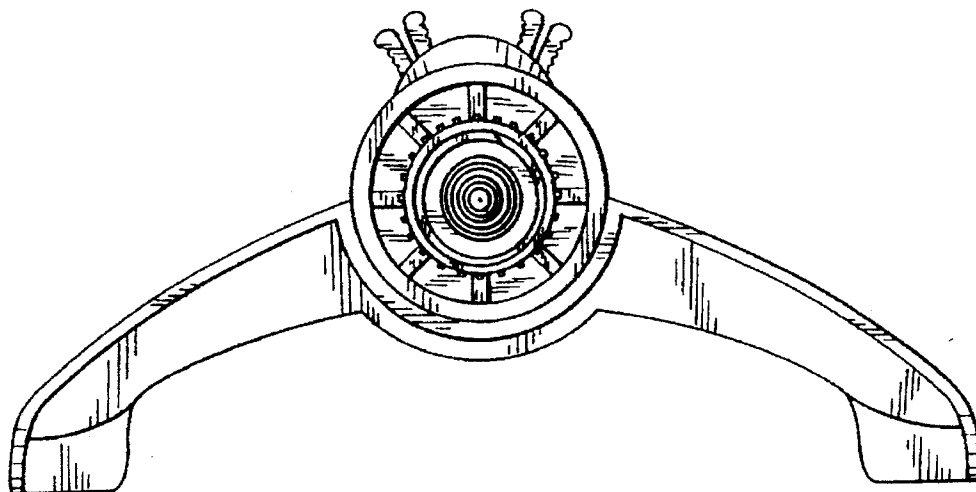


FIG. 35

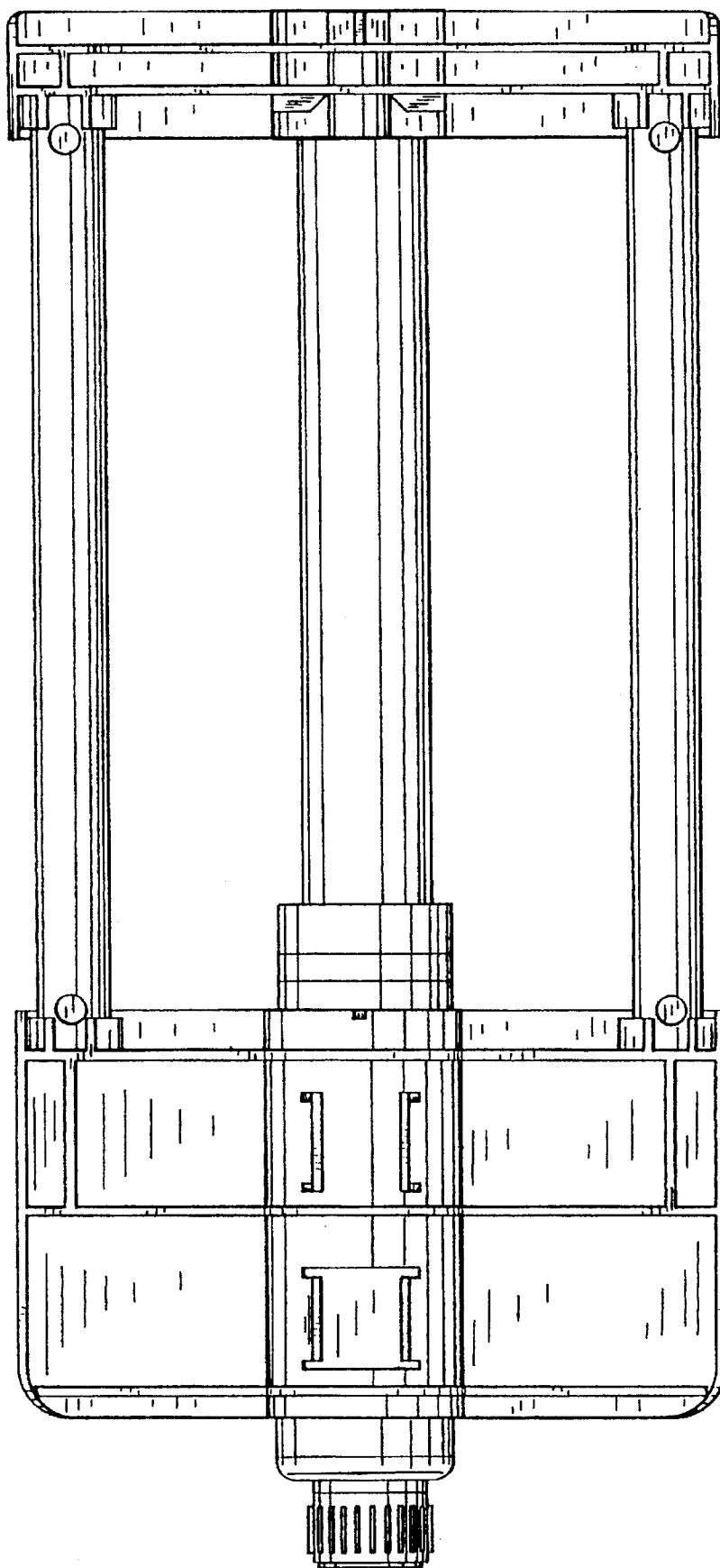


FIG. 36

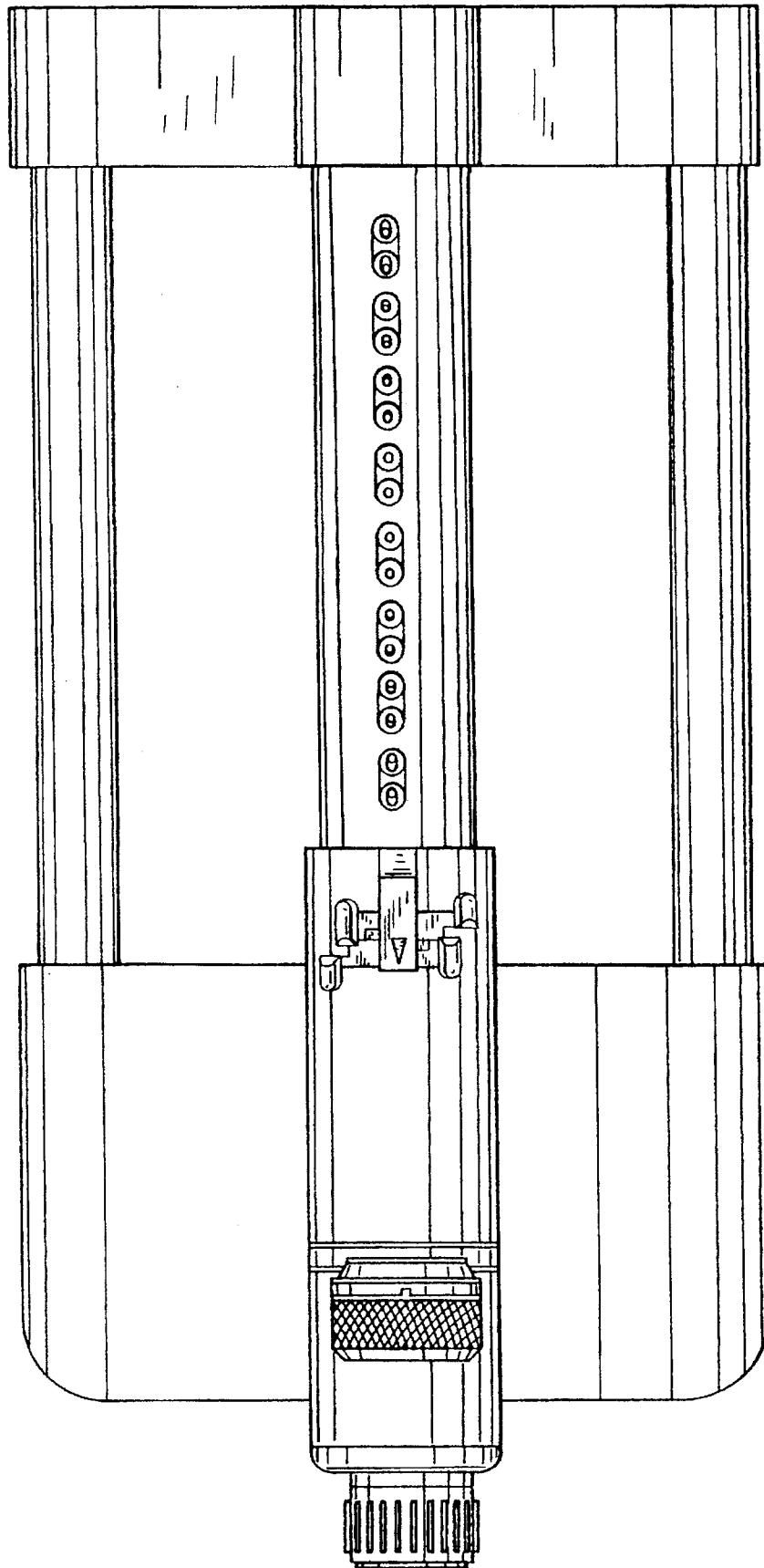


FIG. 37

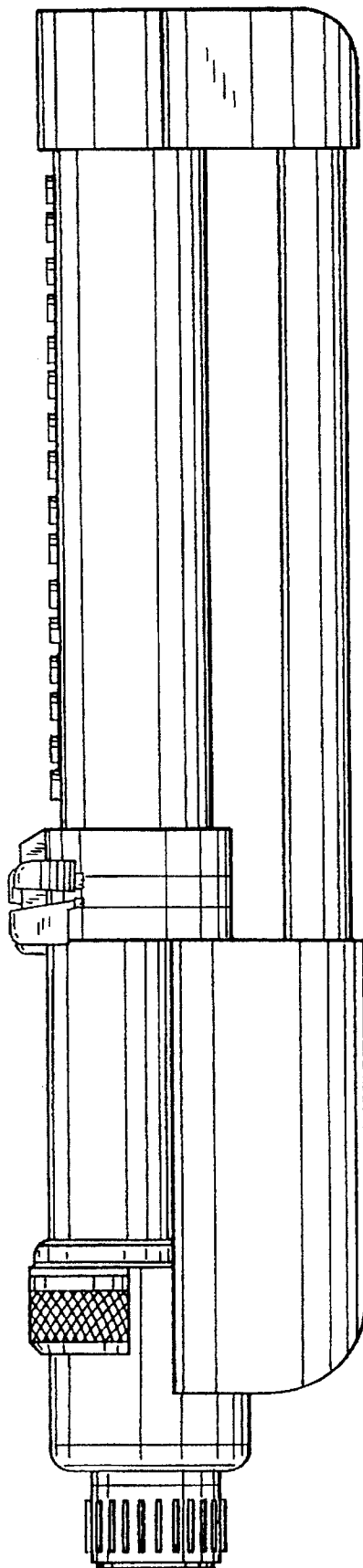




FIG. 38

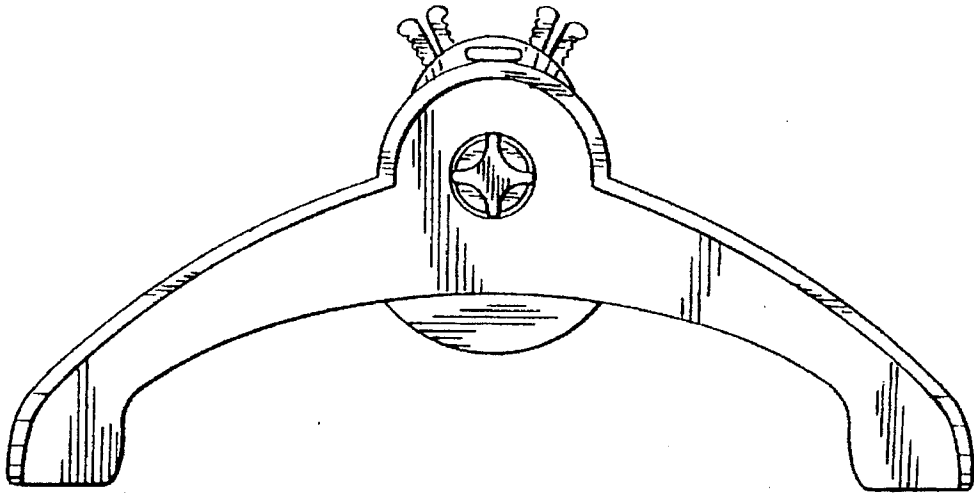


FIG. 39

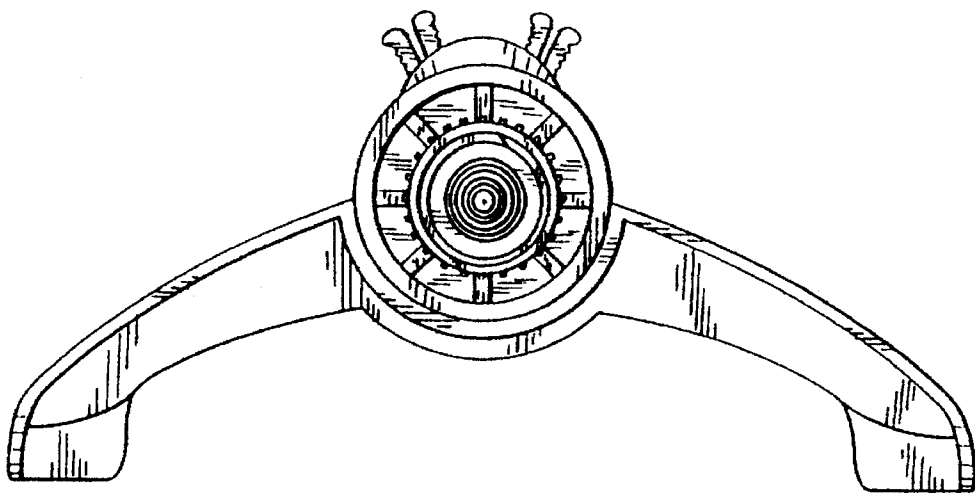


FIG. 40

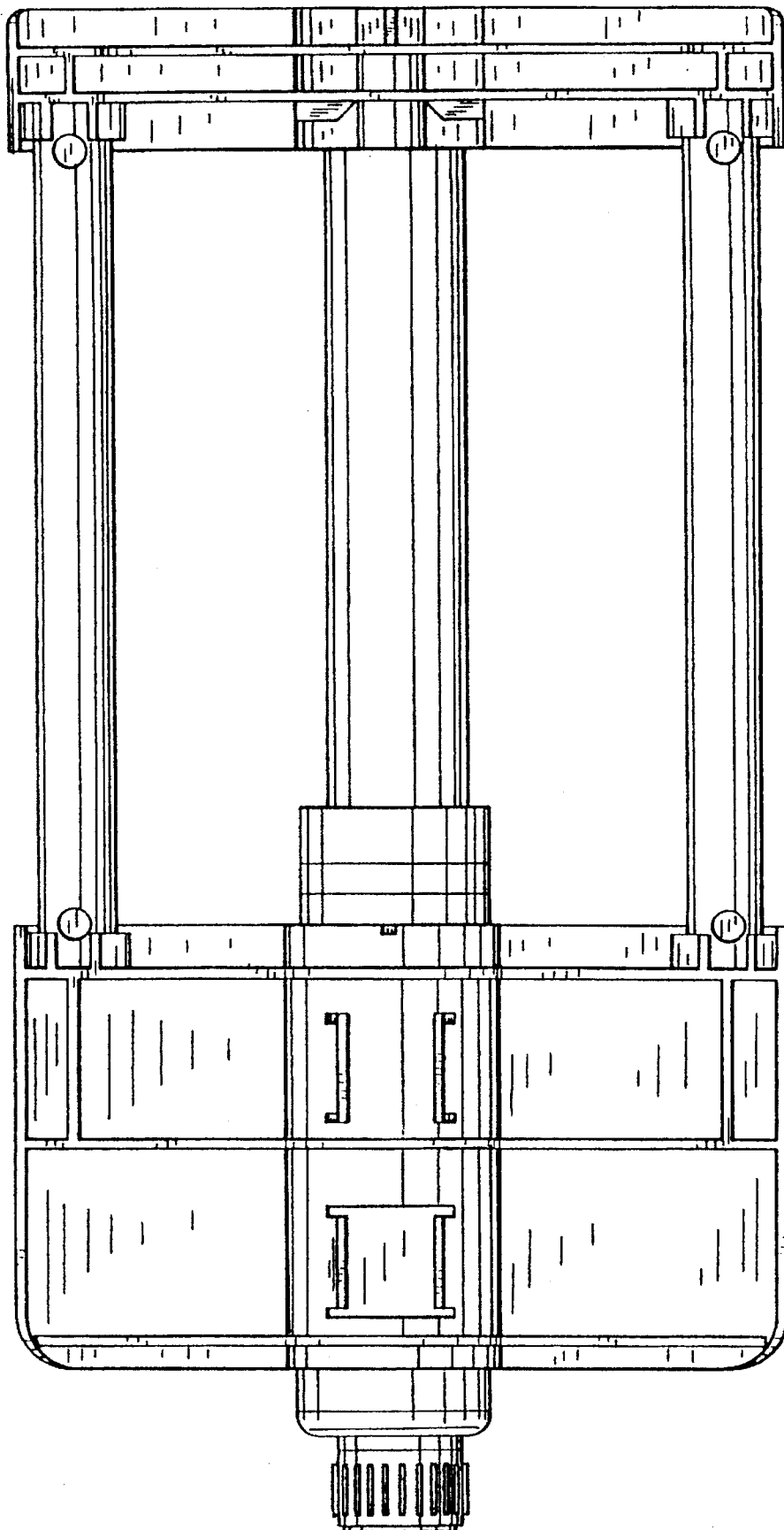


FIG. 41

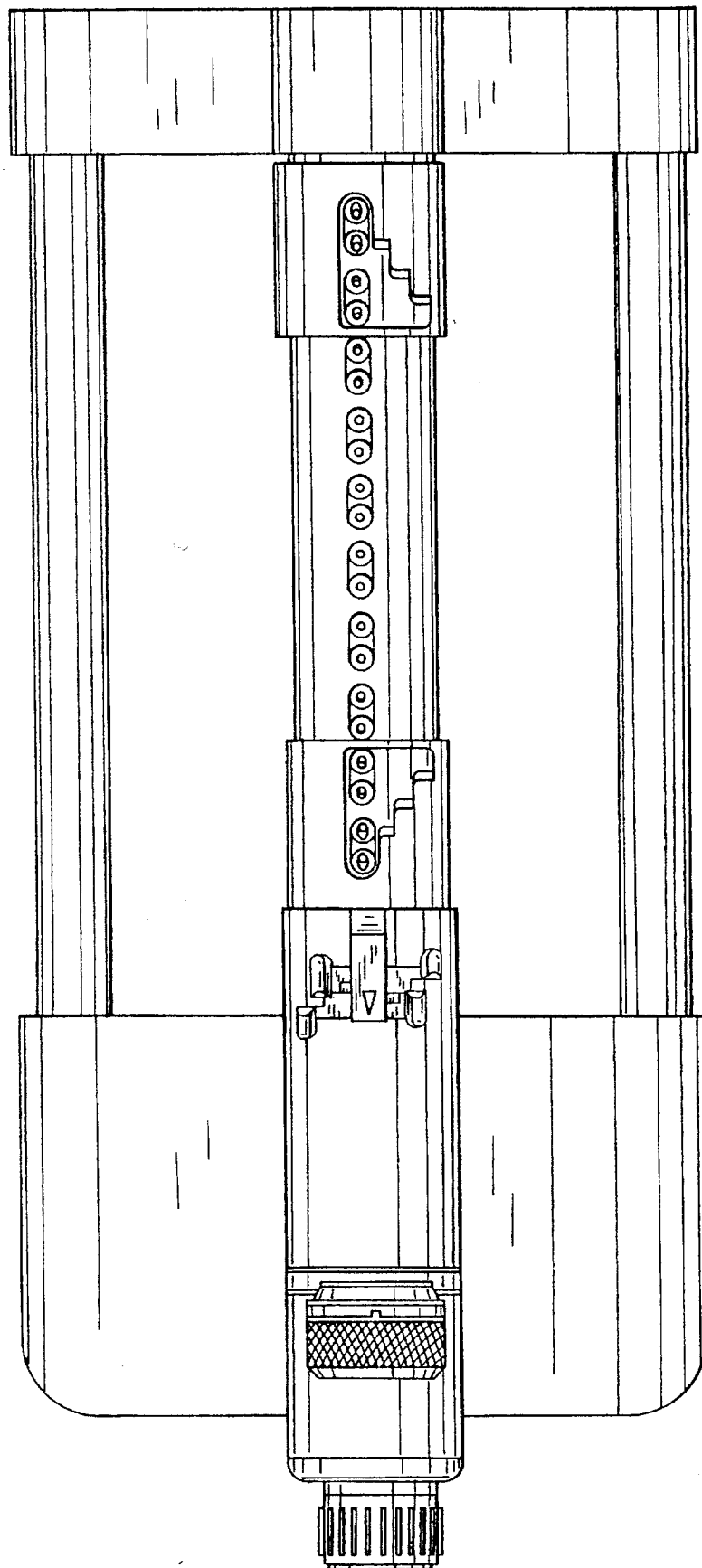


FIG. 42

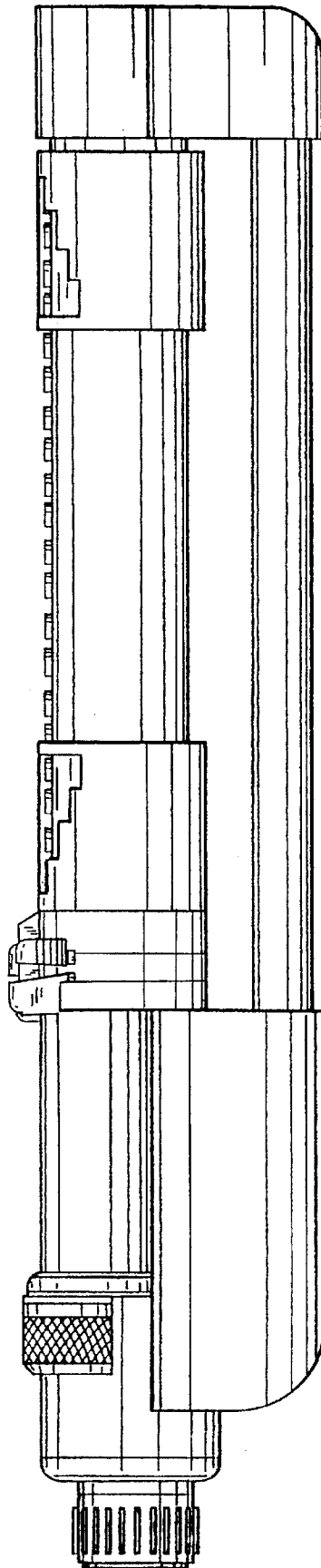


FIG. 43

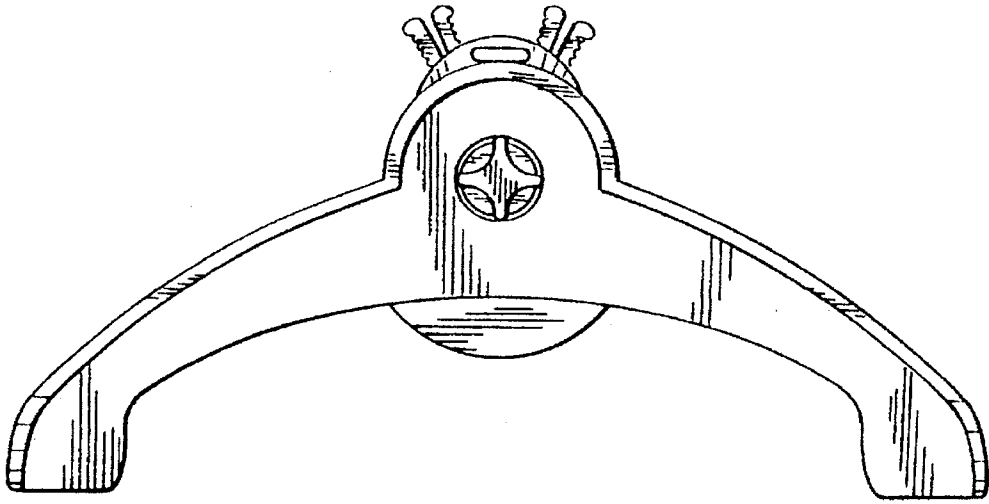


FIG. 44

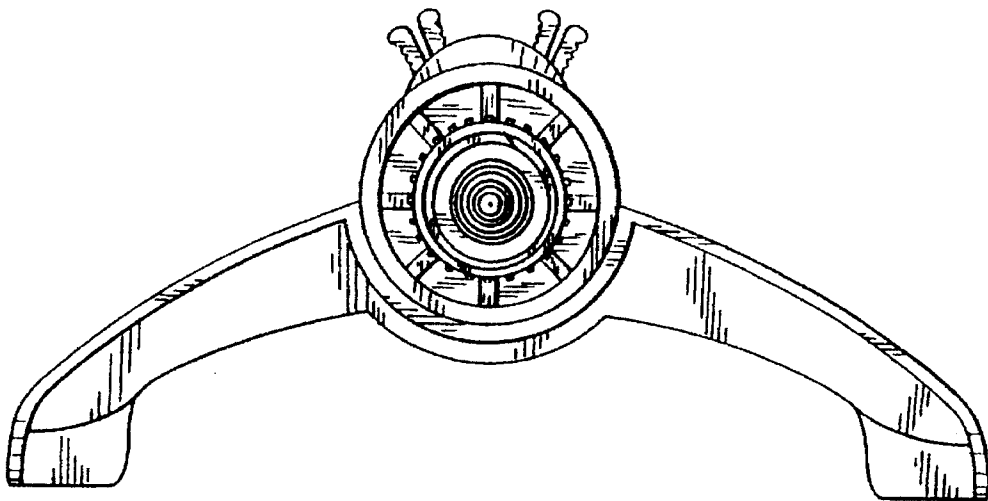


FIG. 45

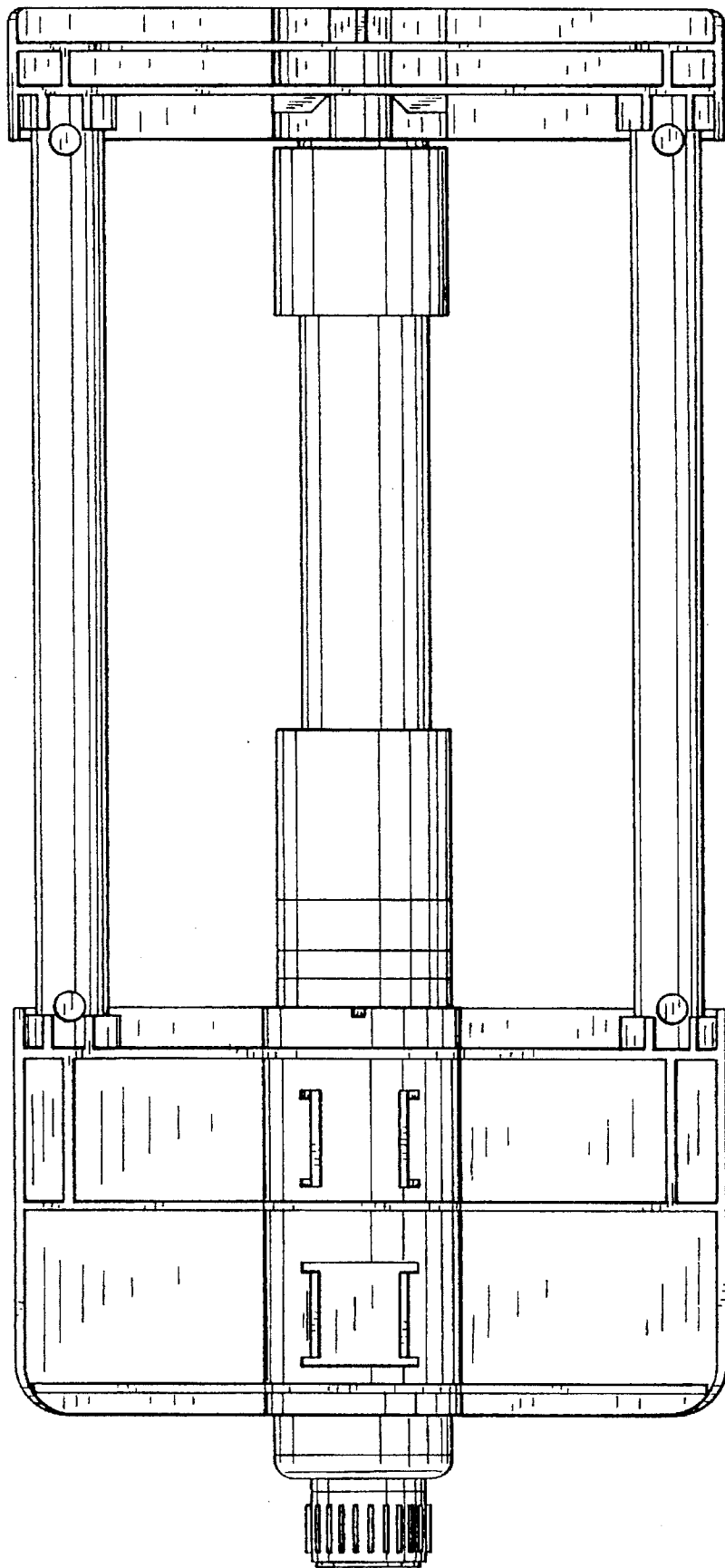


FIG. 46

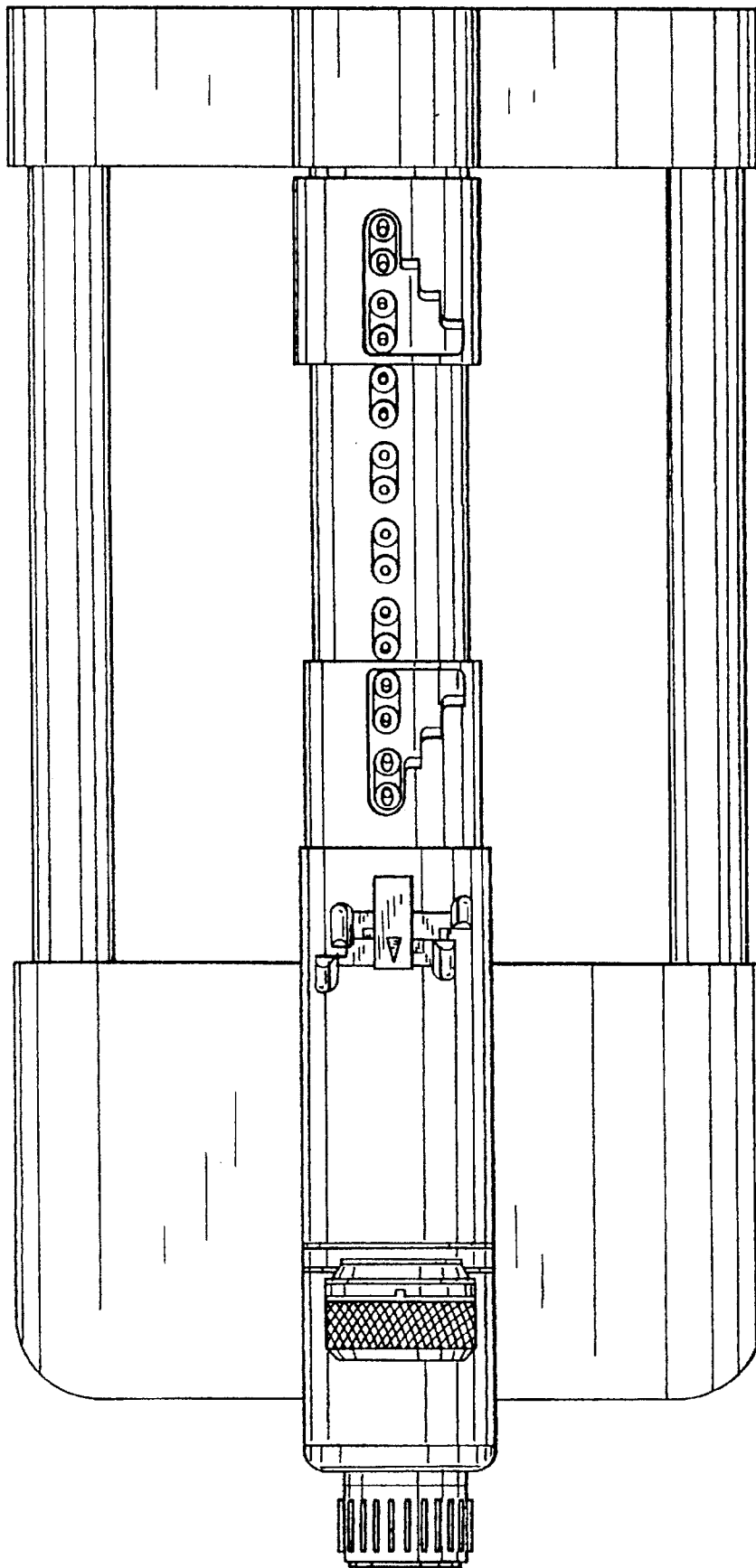


FIG. 47

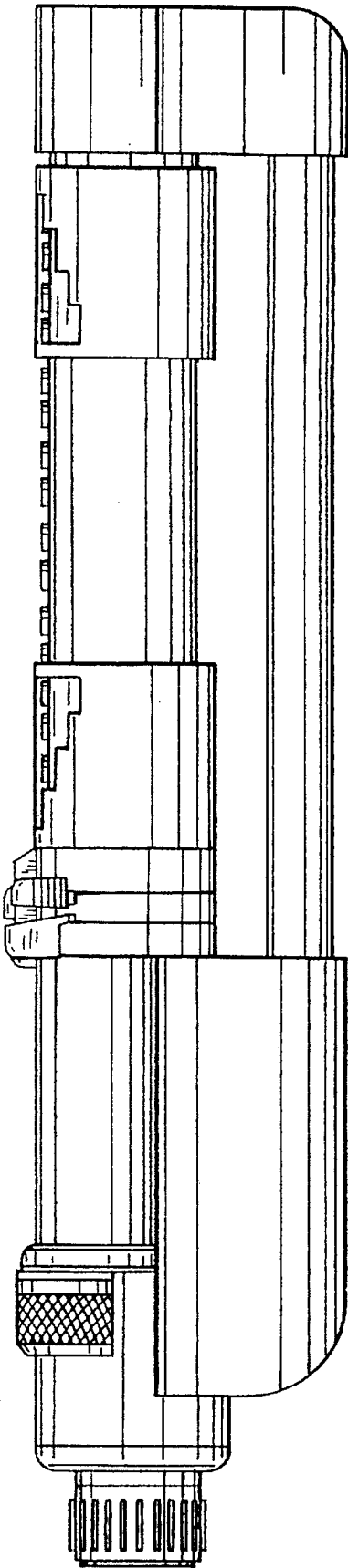




FIG. 48

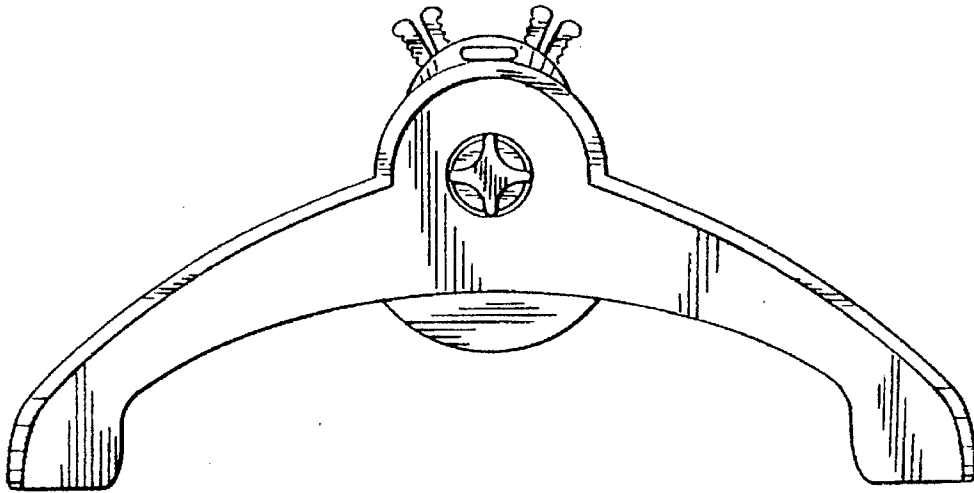


FIG. 49

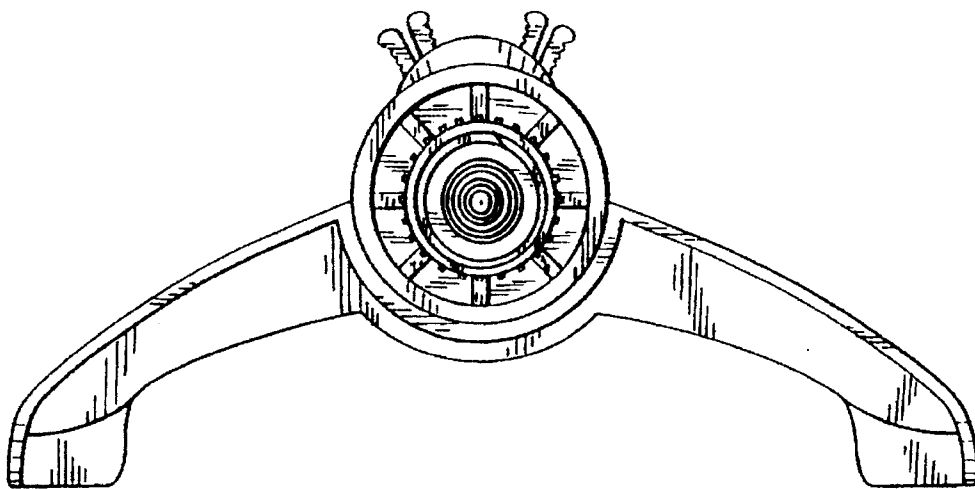


FIG. 50

