US00D383193S

United States Patent [19]

Heren et al.

[11] **Patent Number: Des. 383,193**

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

[54] **WAVE SPRINKLER**

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

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

[**] Term: **14 Years**

[21] Appl. No.: **39,777**

[22] Filed: **May 26, 1995**

Related U.S. Application Data

[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.

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

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

[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

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 303,283	9/1989	Best et al.	D23/216
D. 315,395	3/1991	Clivio	D23/216
D. 321,034	10/1991	Whitehead	D23/216
D. 334,422	3/1993	Clivio	D23/216
D. 350,809	9/1994	Aquilina	D23/216
4,606,500	8/1986	Mussler et al.	239/242
4,877,185	10/1989	Kufrin	239/242
5,098,020	3/1992	Cooper et al.	239/242
5,305,956	4/1994	Wang	239/394
5,350,115	9/1994	Burnworth et al.	239/563

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

[57] **CLAIM**

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

DESCRIPTION

FIG. **1** is a top plan view of a twenty nozzle embodiment of a wave sprinkler showing our new design;
FIG. **2** is a right side elevational view thereof, the left side elevational view being a mirror image thereof;
FIG. **3** is a front elevational view thereof;
FIG. **4** is a rear elevational view thereof;
FIG. **5** is a bottom plan view thereof;
FIG. **6** is a top plan view of a sixteen nozzle embodiment of a wave sprinkler showing our new design;
FIG. **7** is a right side elevational view thereof, the left side elevational view being a mirror image thereof;
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;

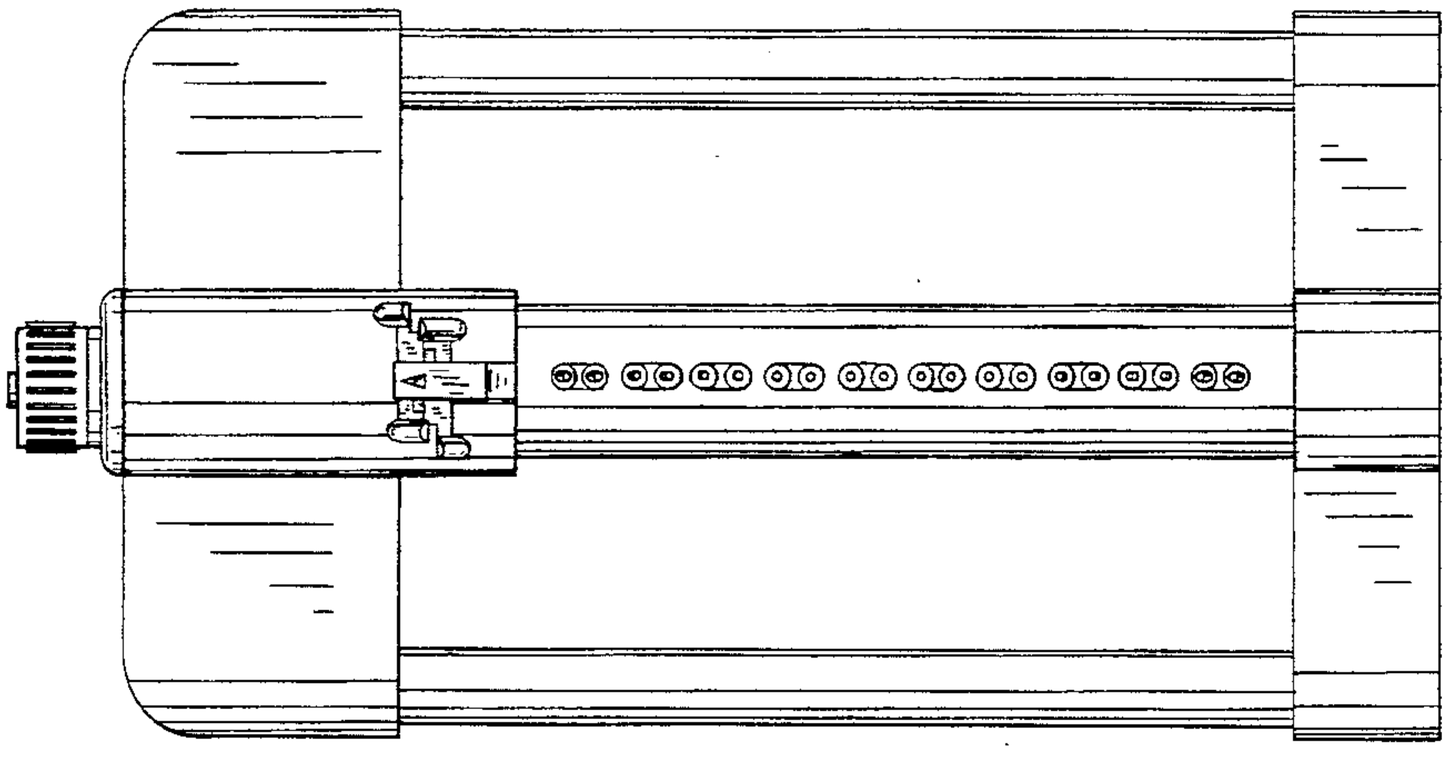


FIG. **26** is a top plan view of a sixteen nozzle embodiment of a wave sprinkler with flow control and spray width adjustment showing our new design;
FIG. **27** is a right side elevational view thereof, the left side elevational view being a mirror image thereof;
FIG. **28** is a front elevational 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

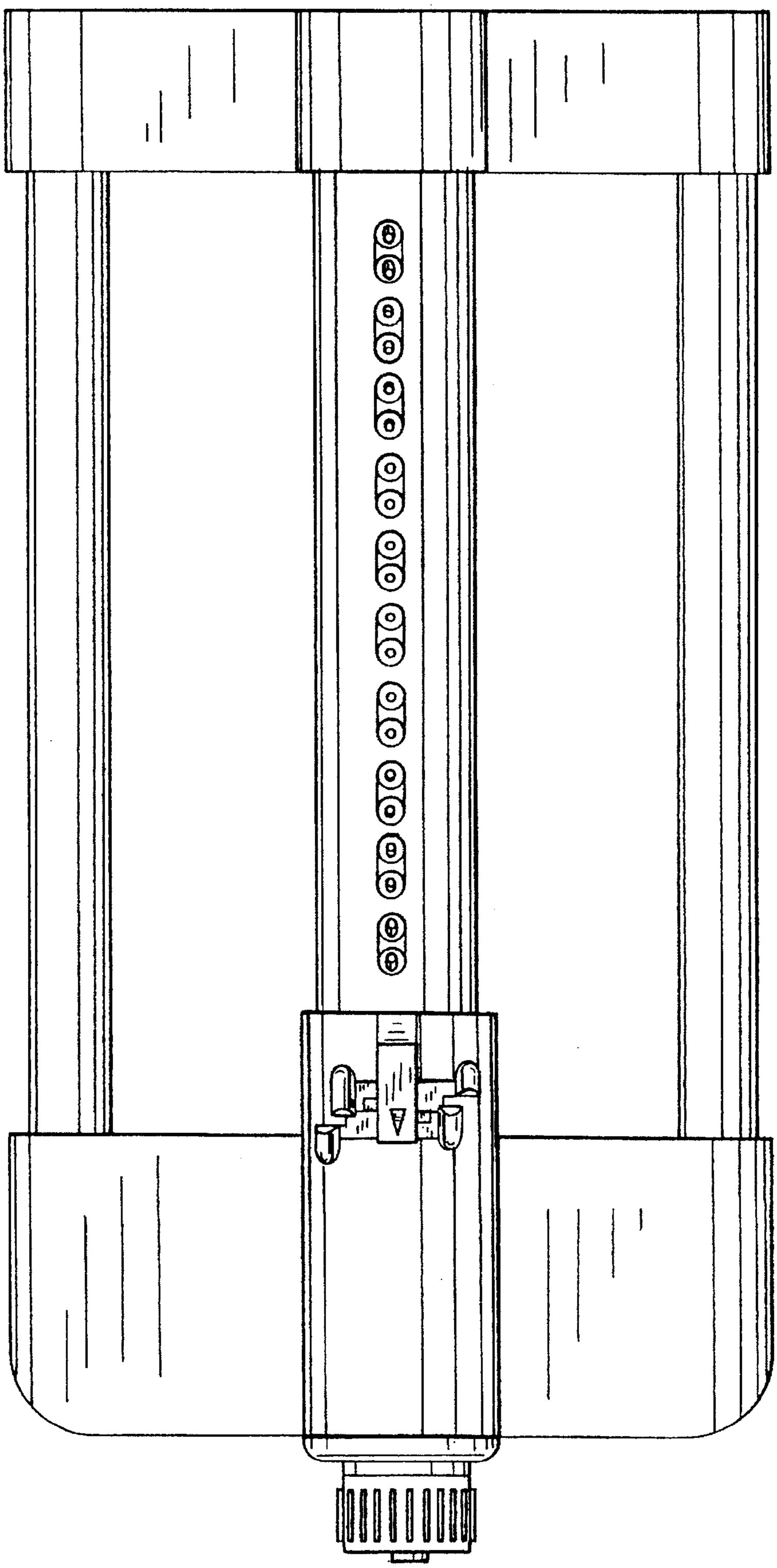


FIG. 1

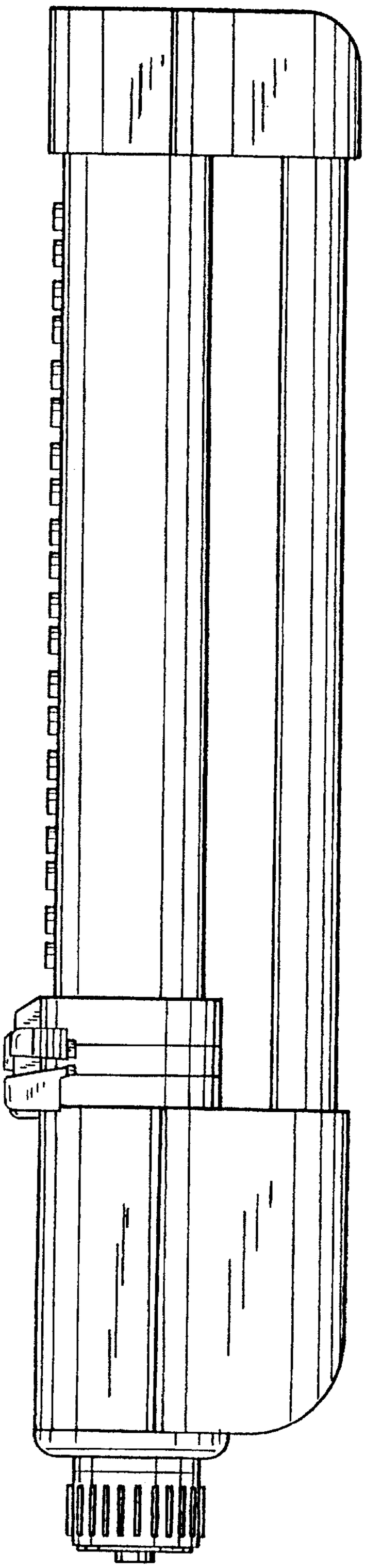


FIG. 2

FIG. 3

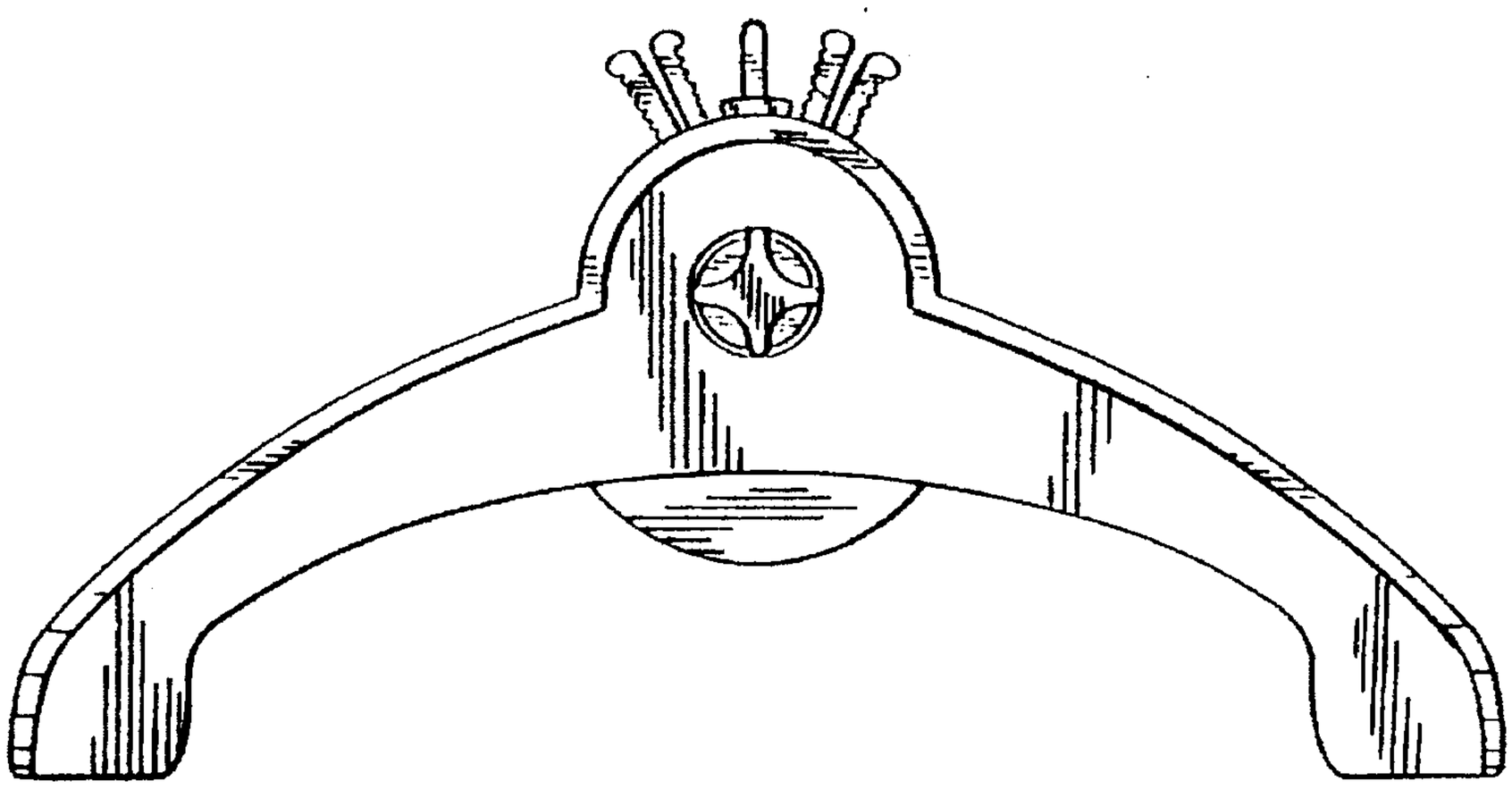
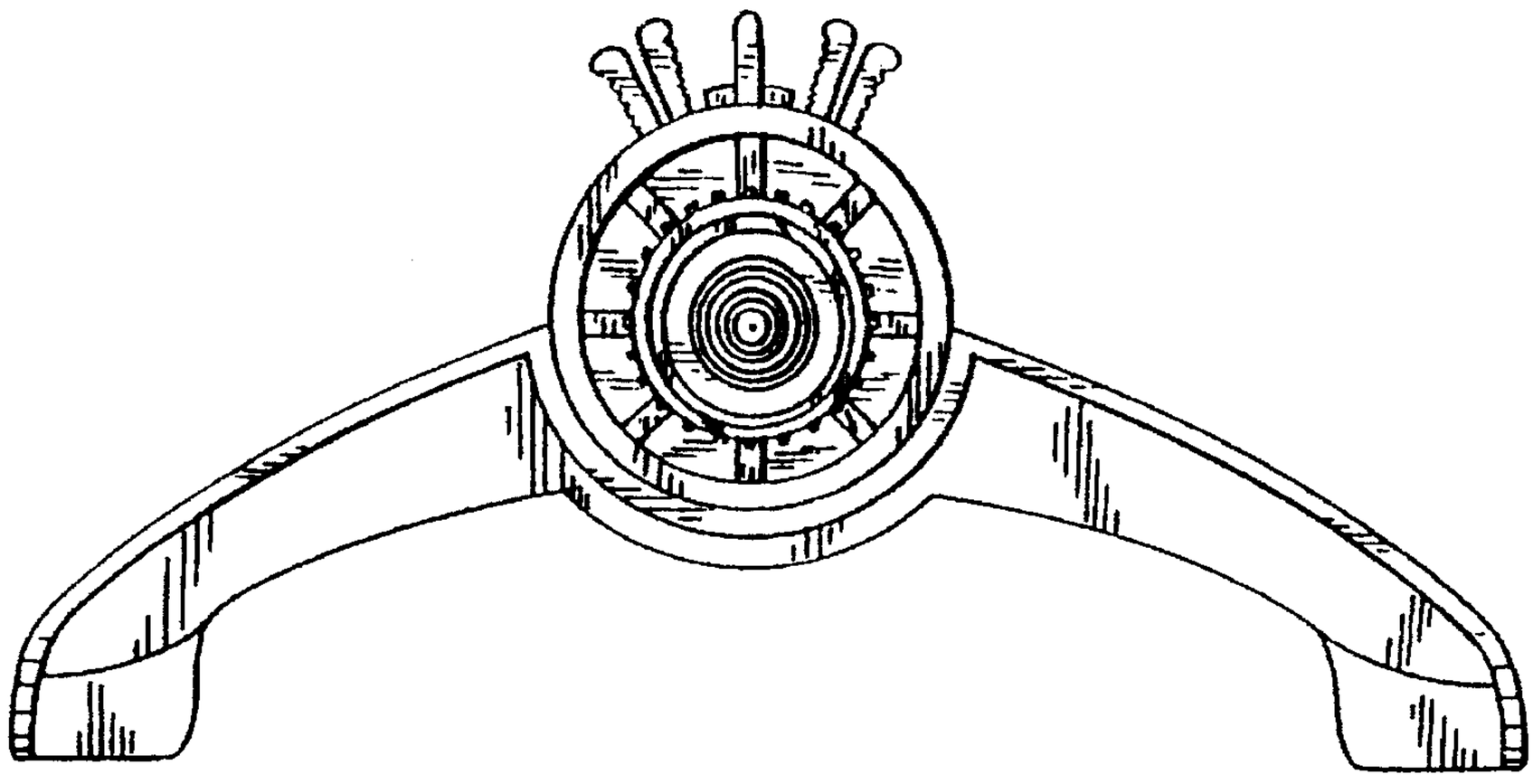


FIG. 4



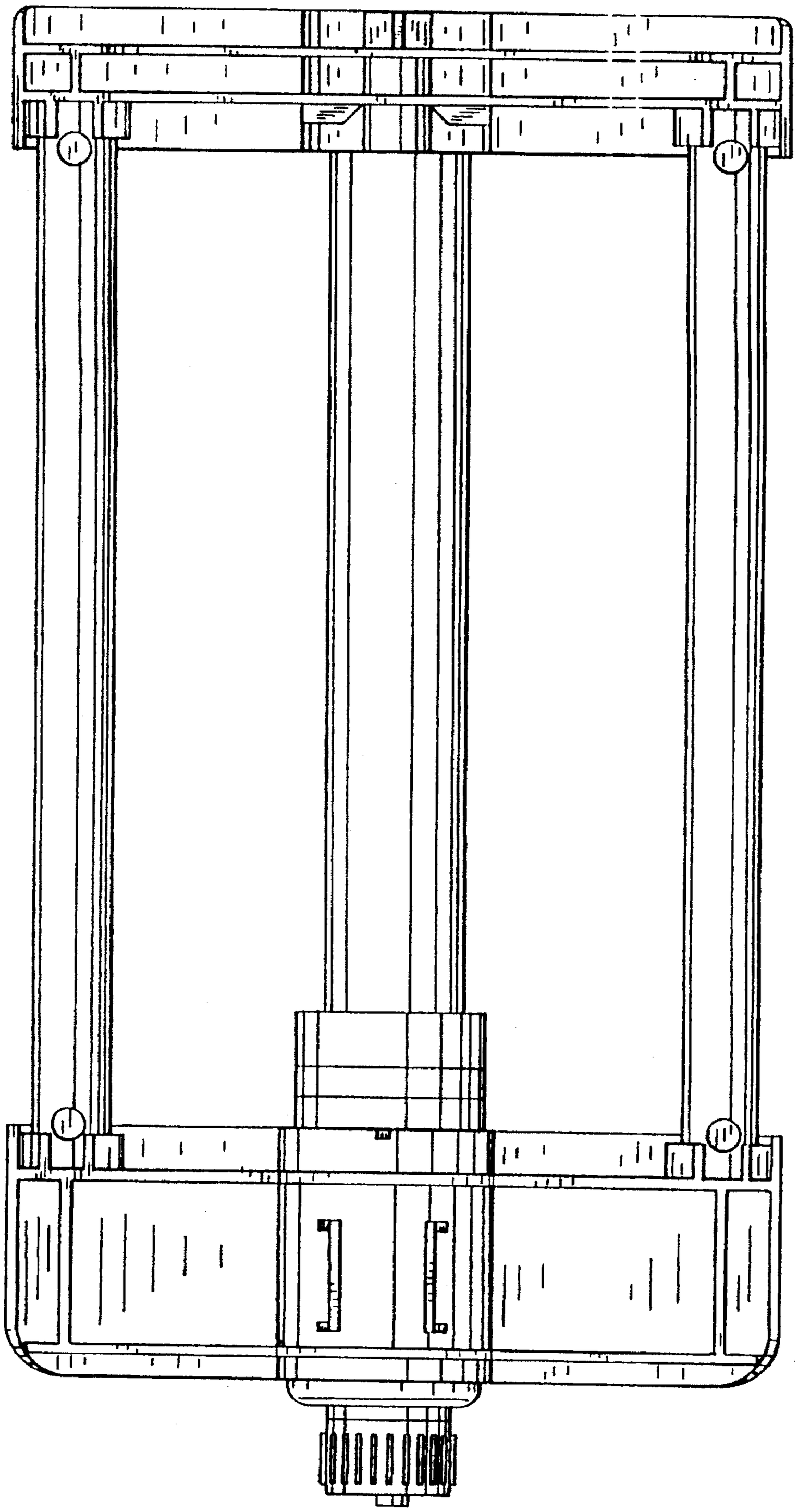


FIG. 5

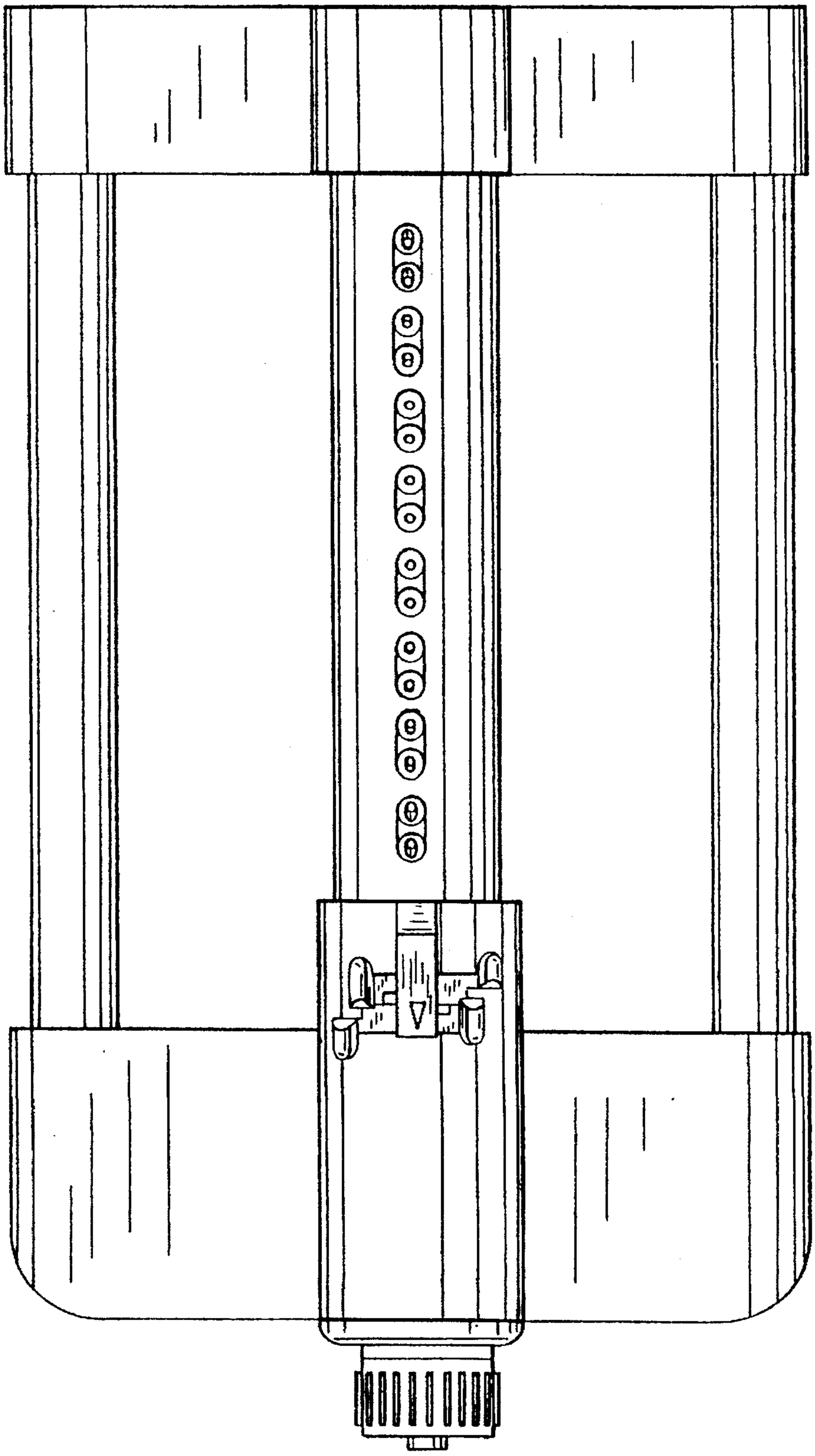


FIG. 6

FIG. 7

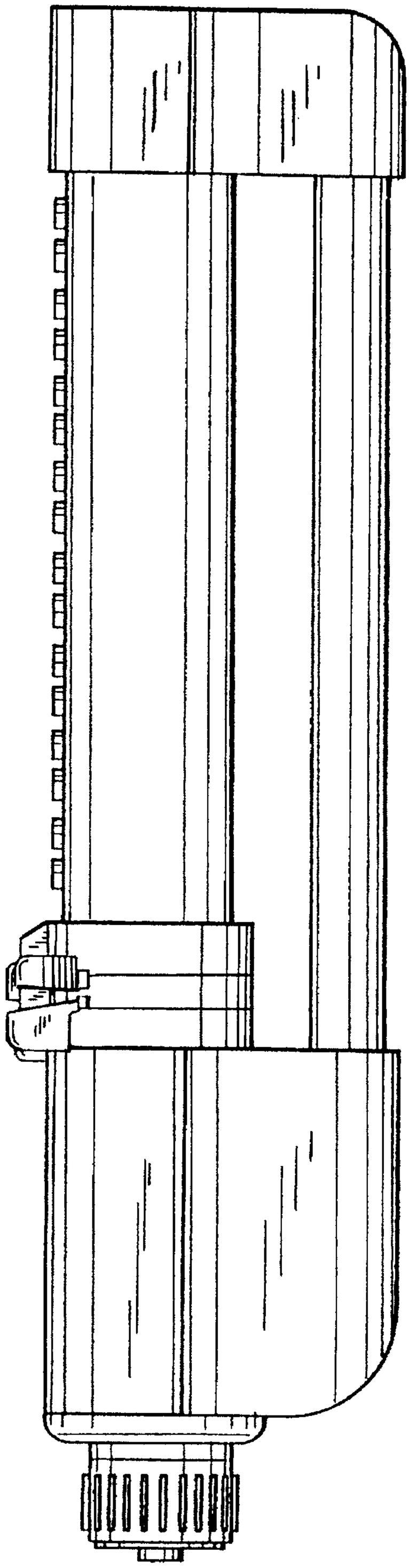


FIG. 8

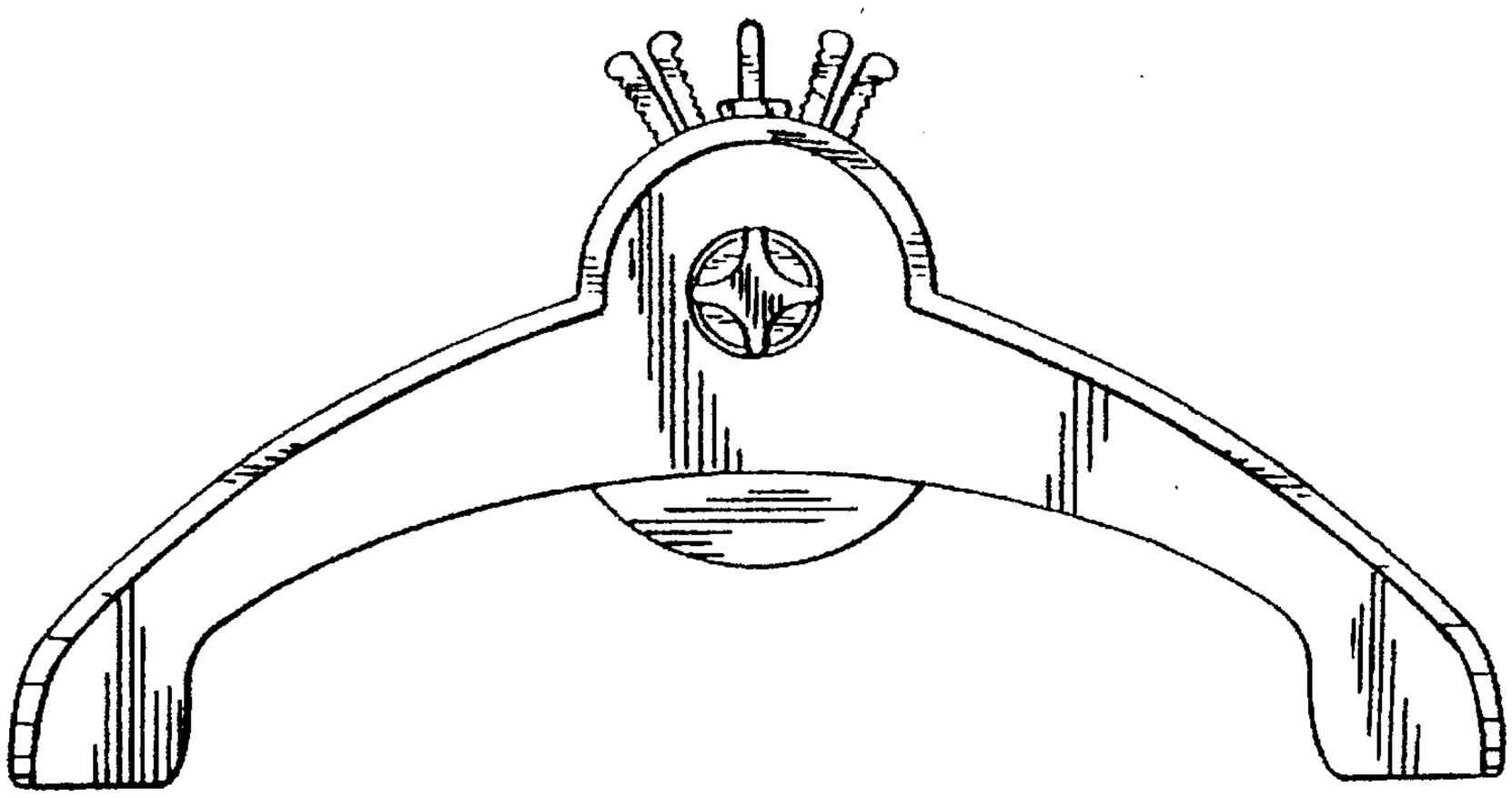
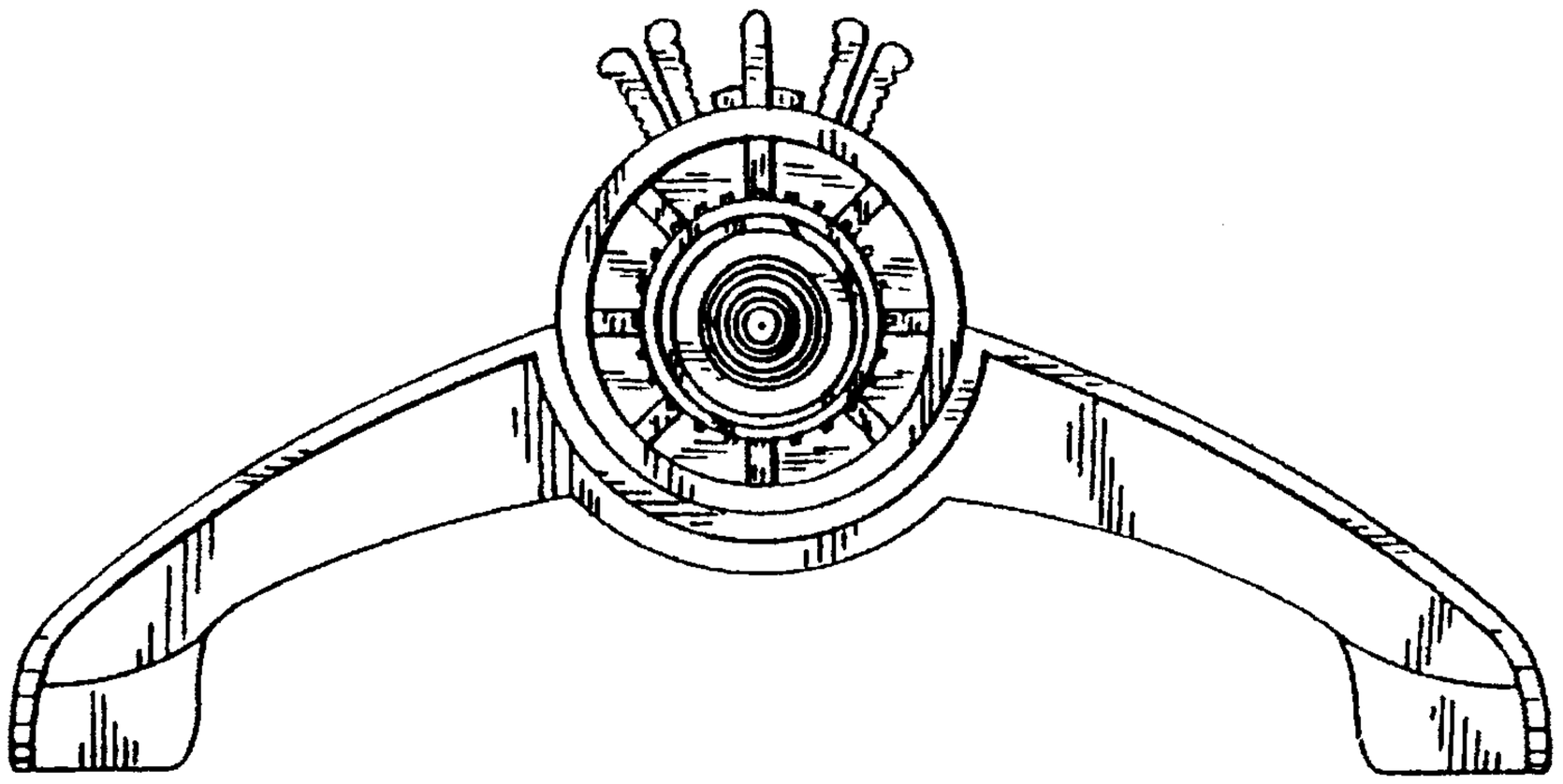


FIG. 9



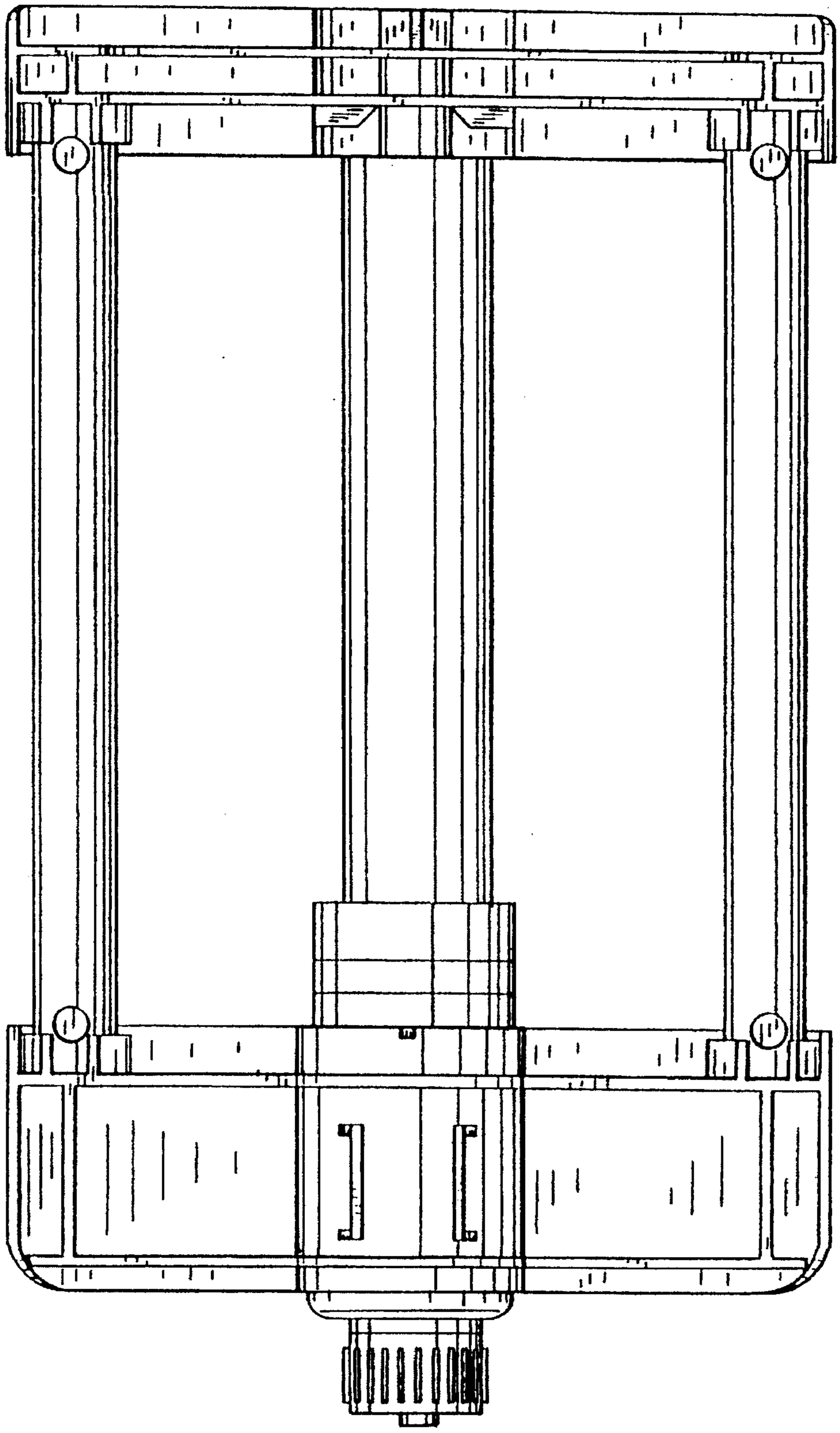


FIG. 10

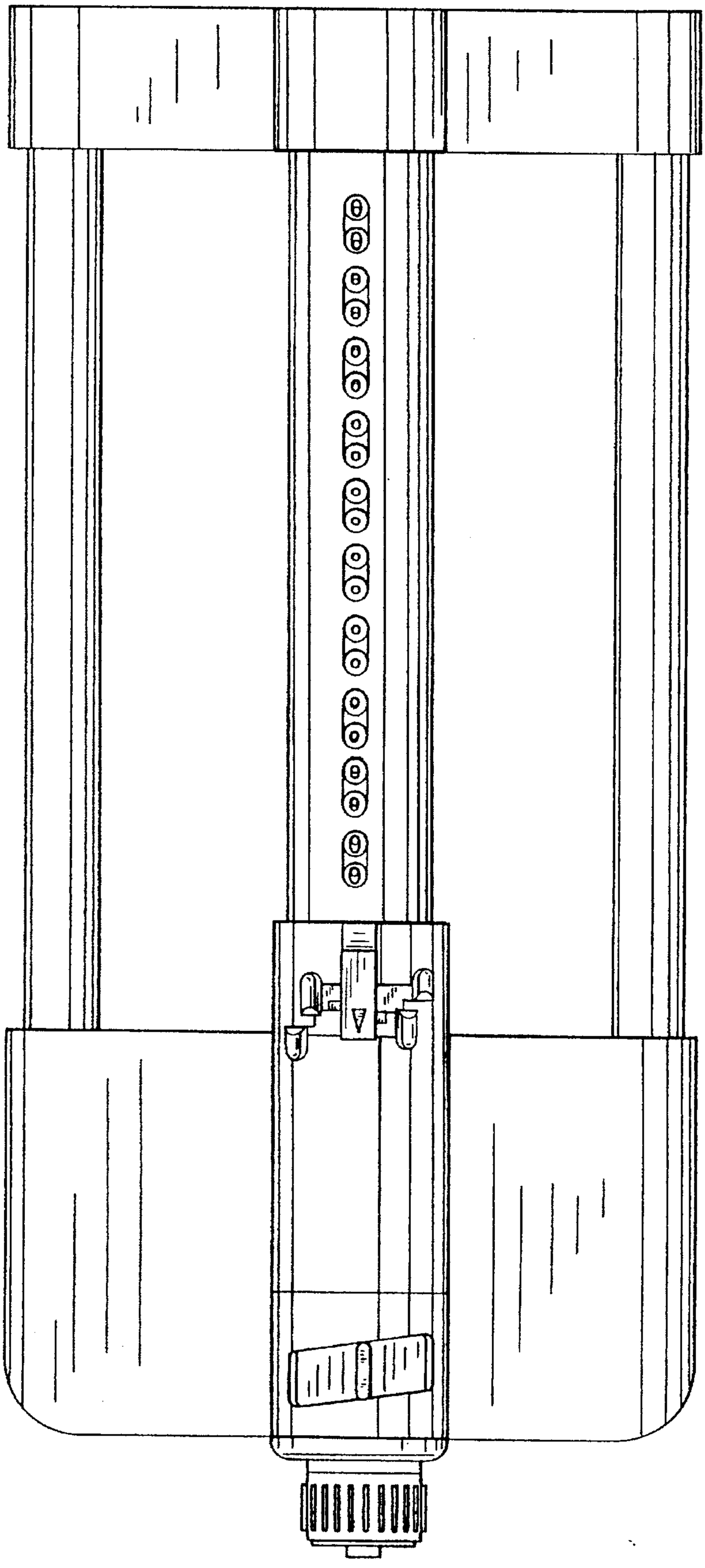


FIG. 11

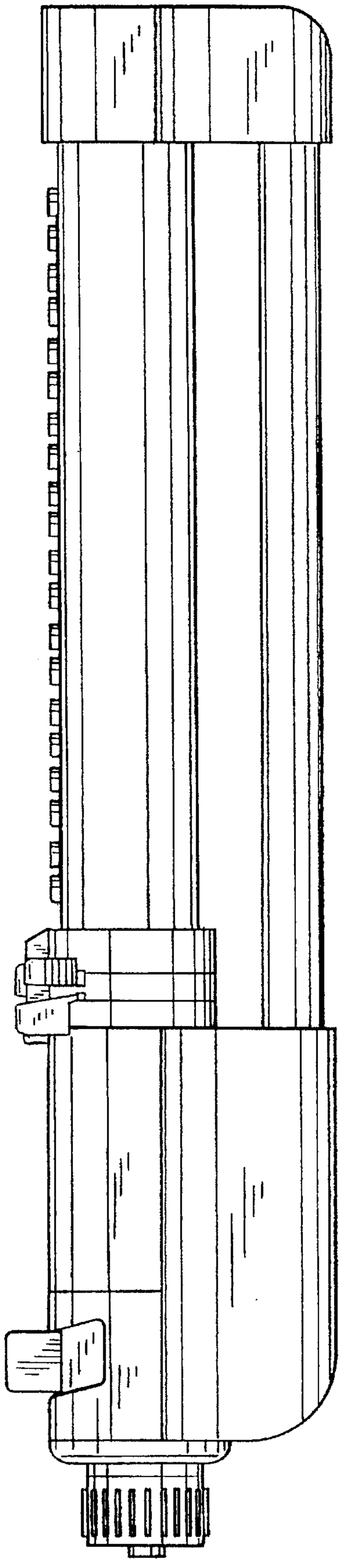


FIG. 12

FIG. 13

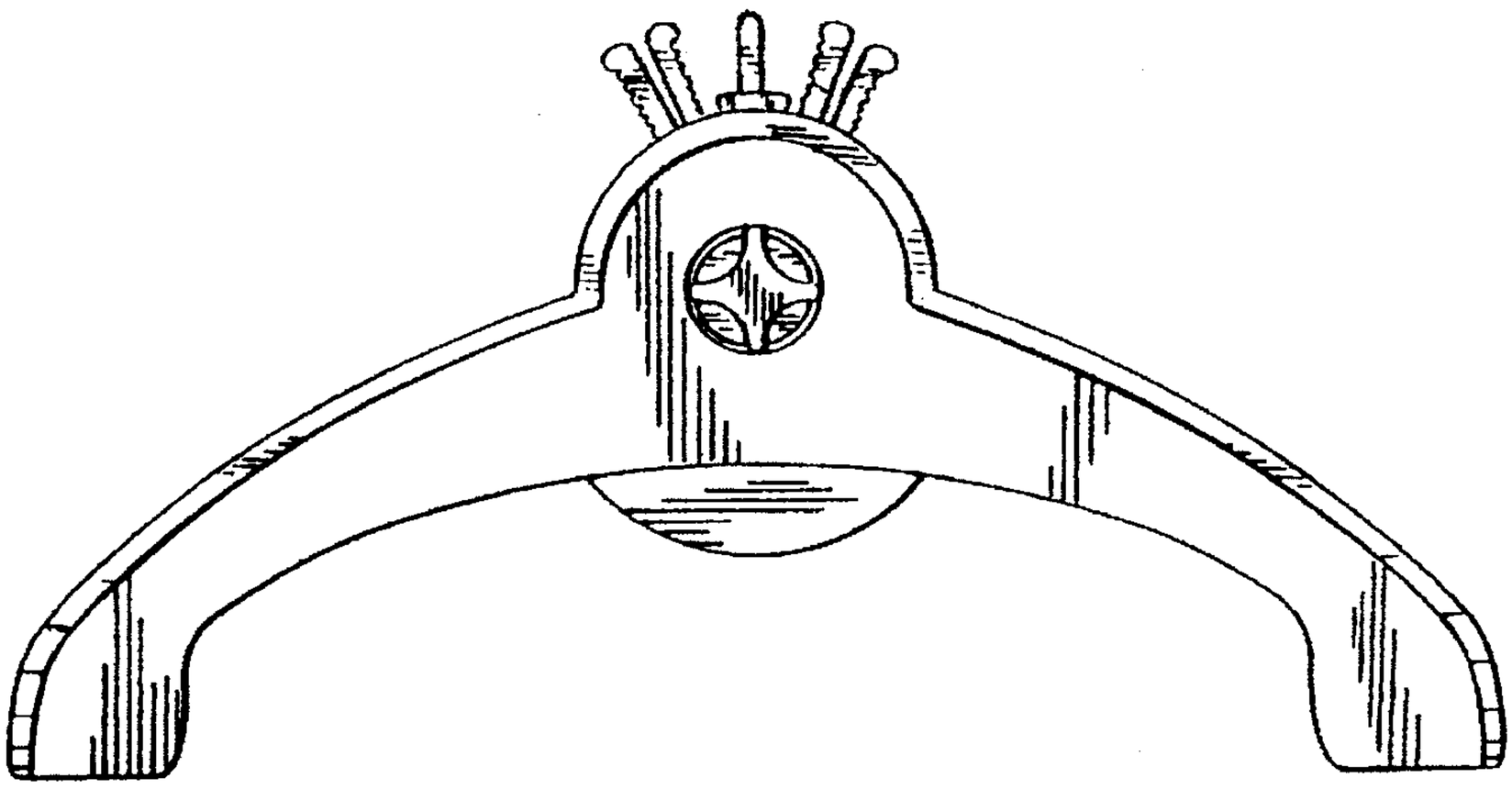
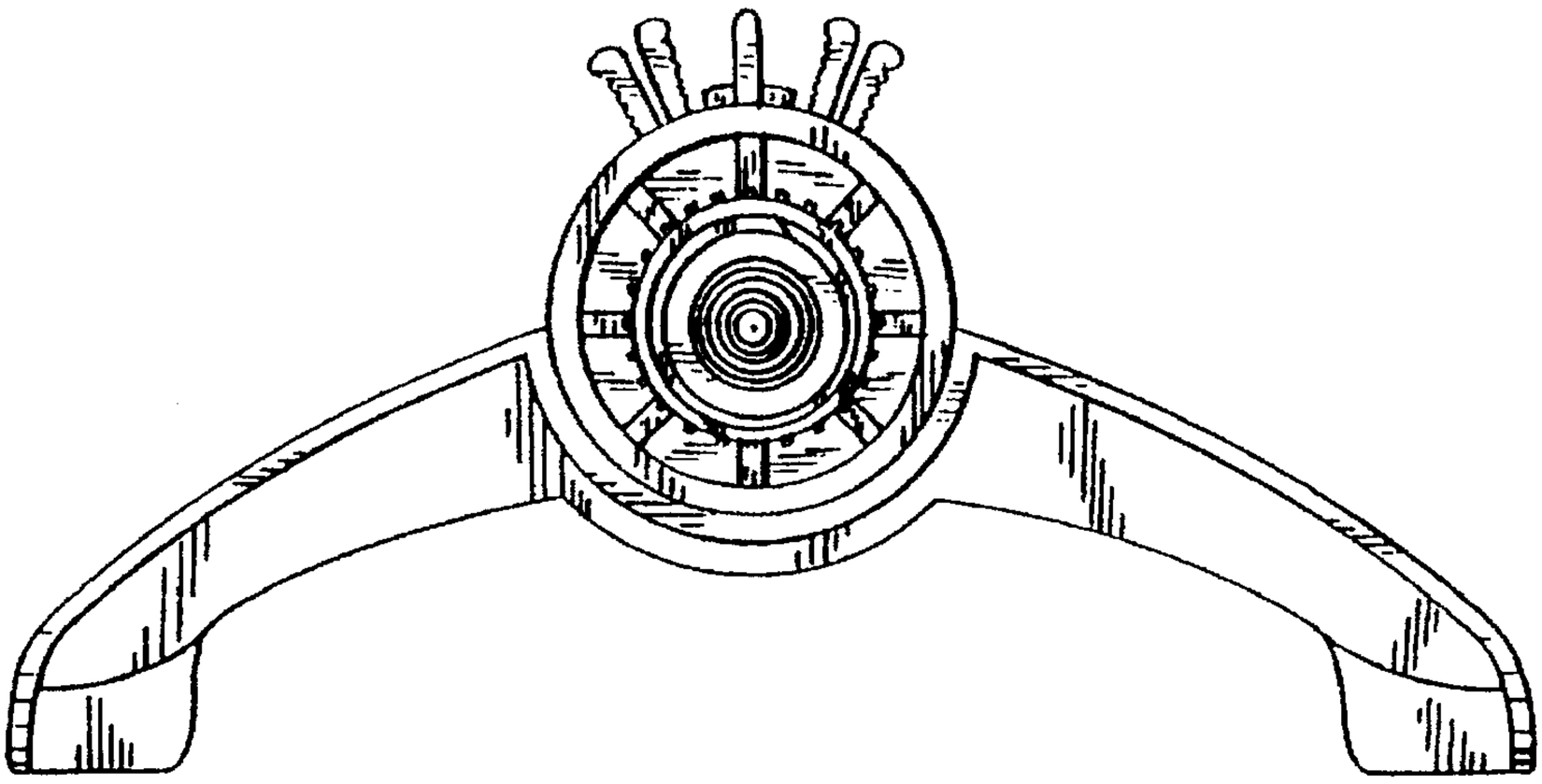


FIG. 14



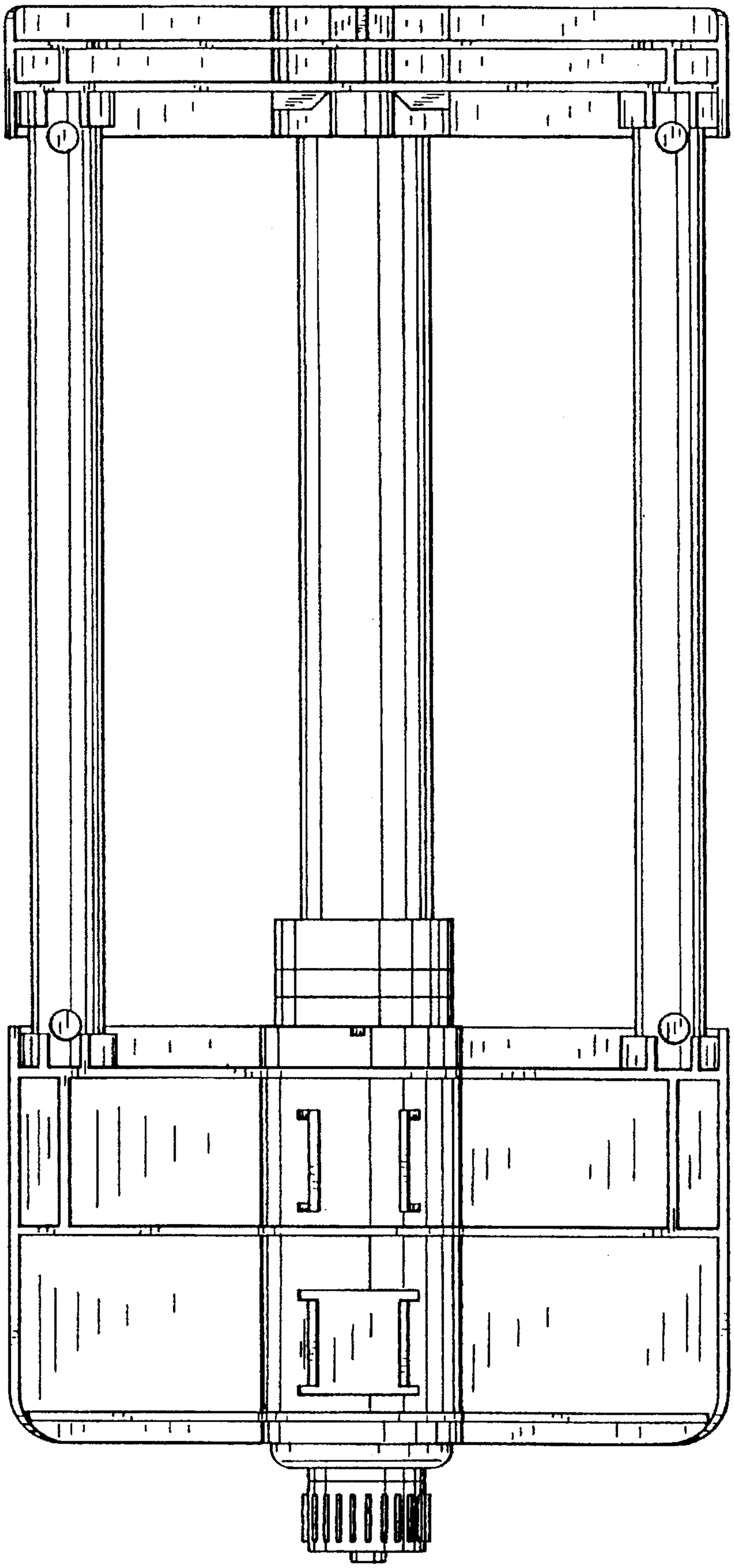


FIG. 15

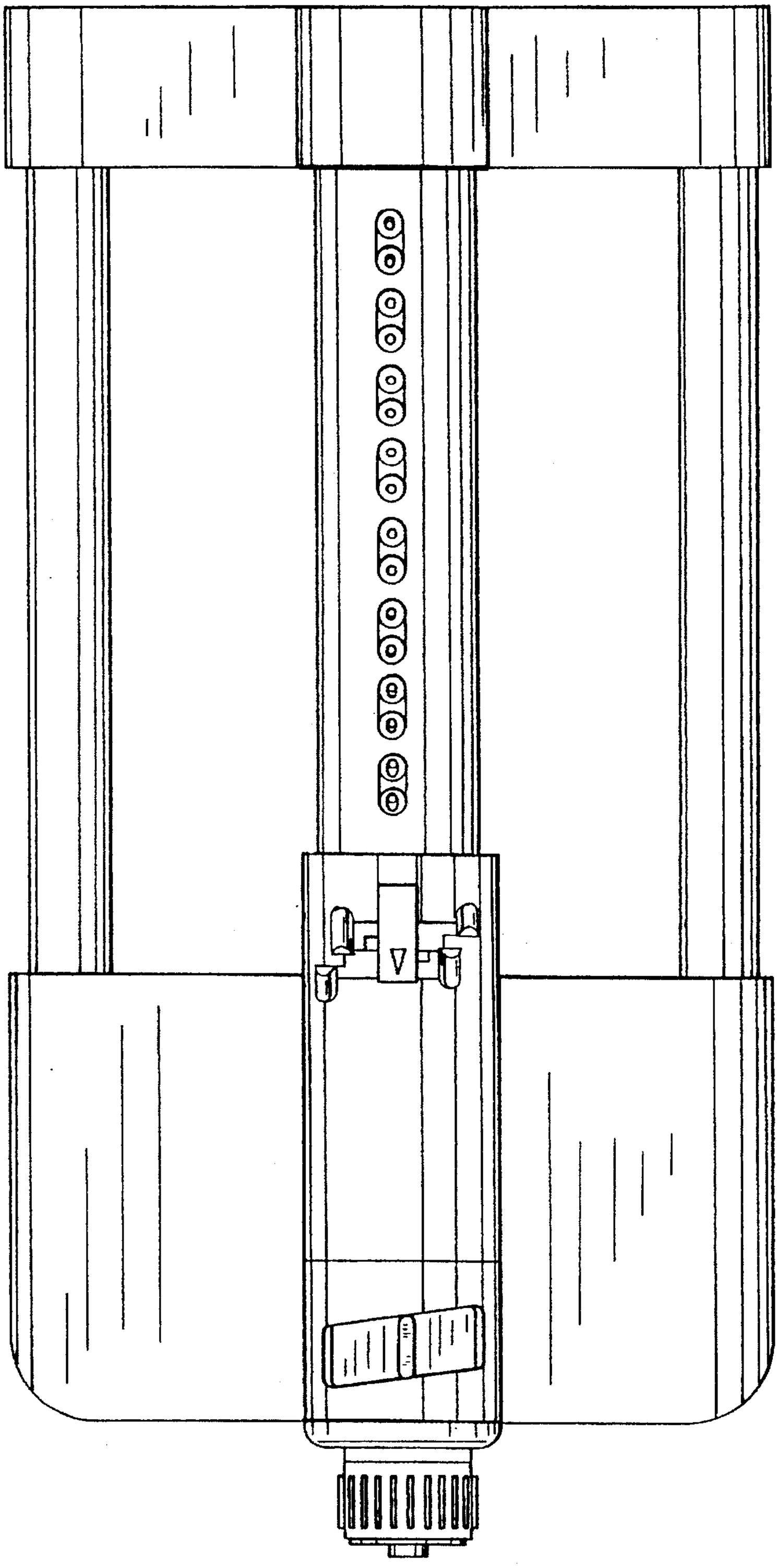


FIG. 16

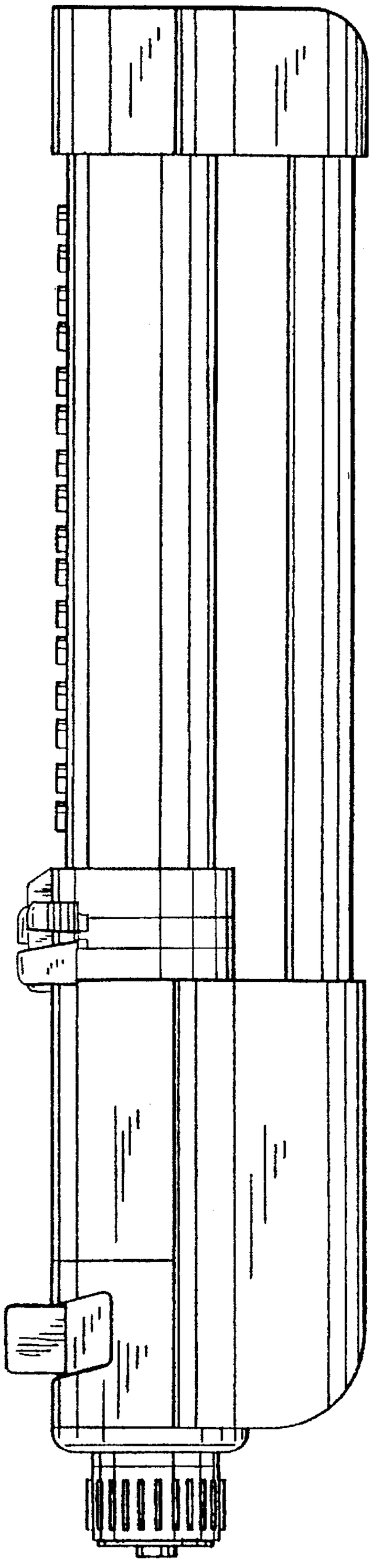


FIG. 17

FIG. 18

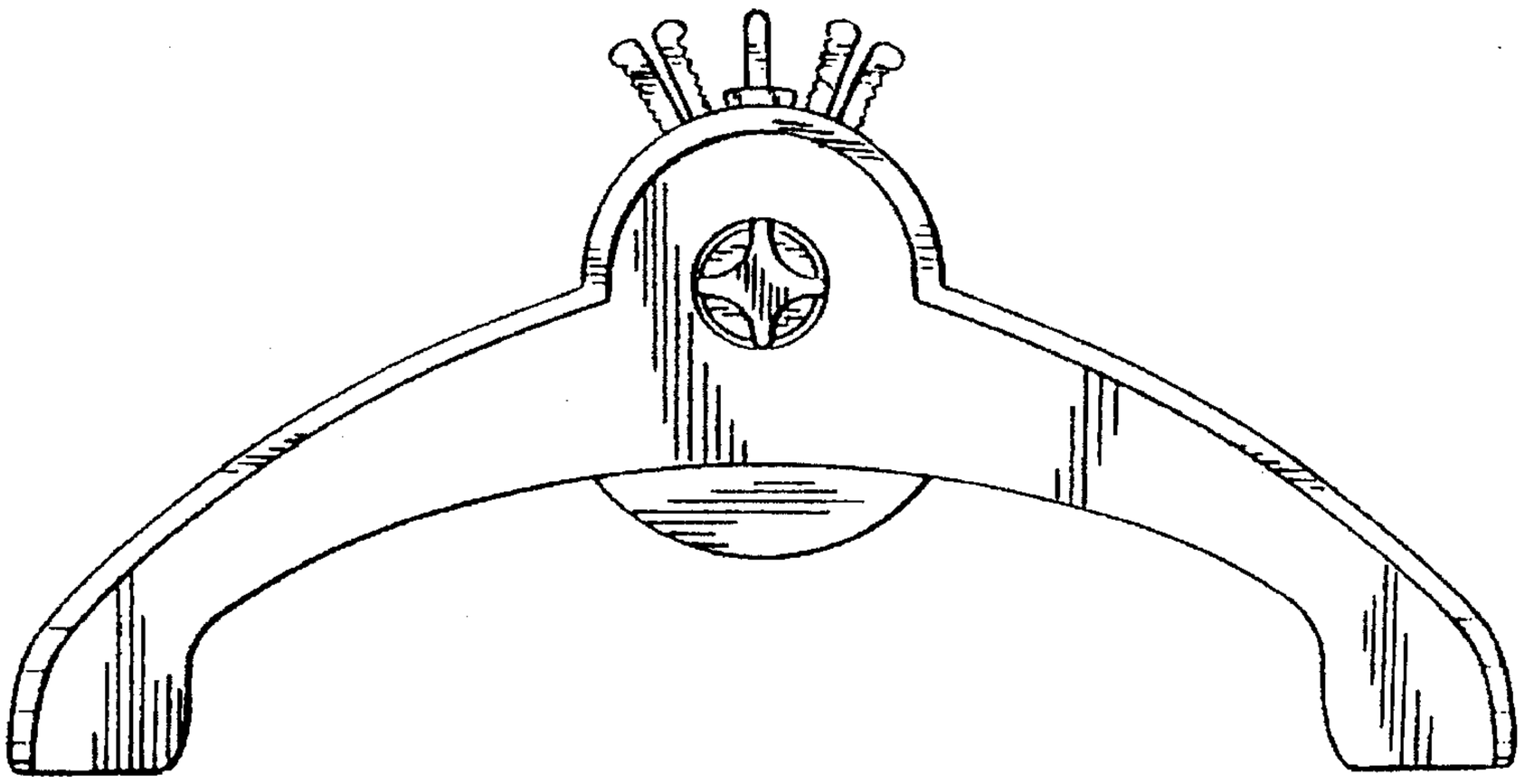
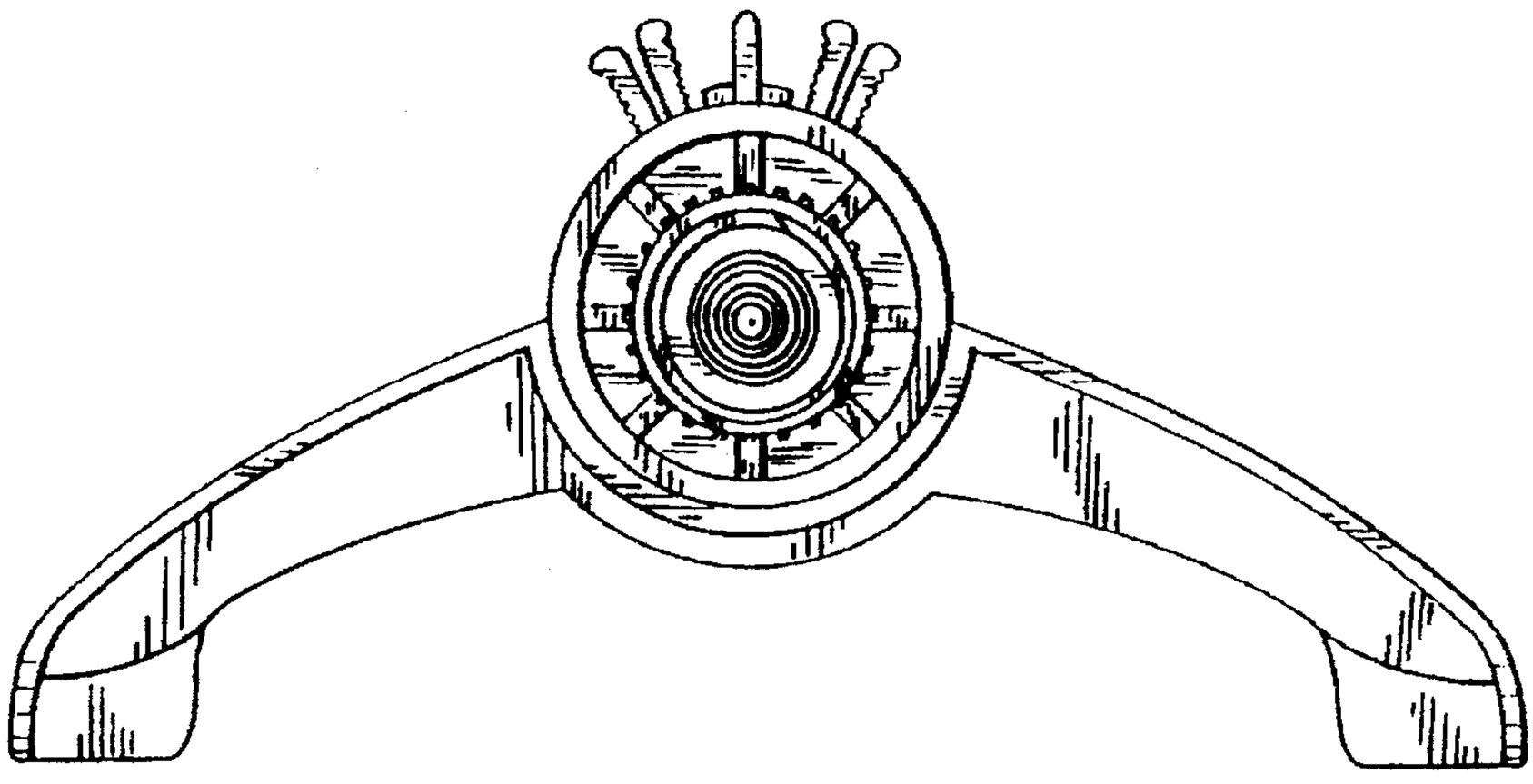


FIG. 19



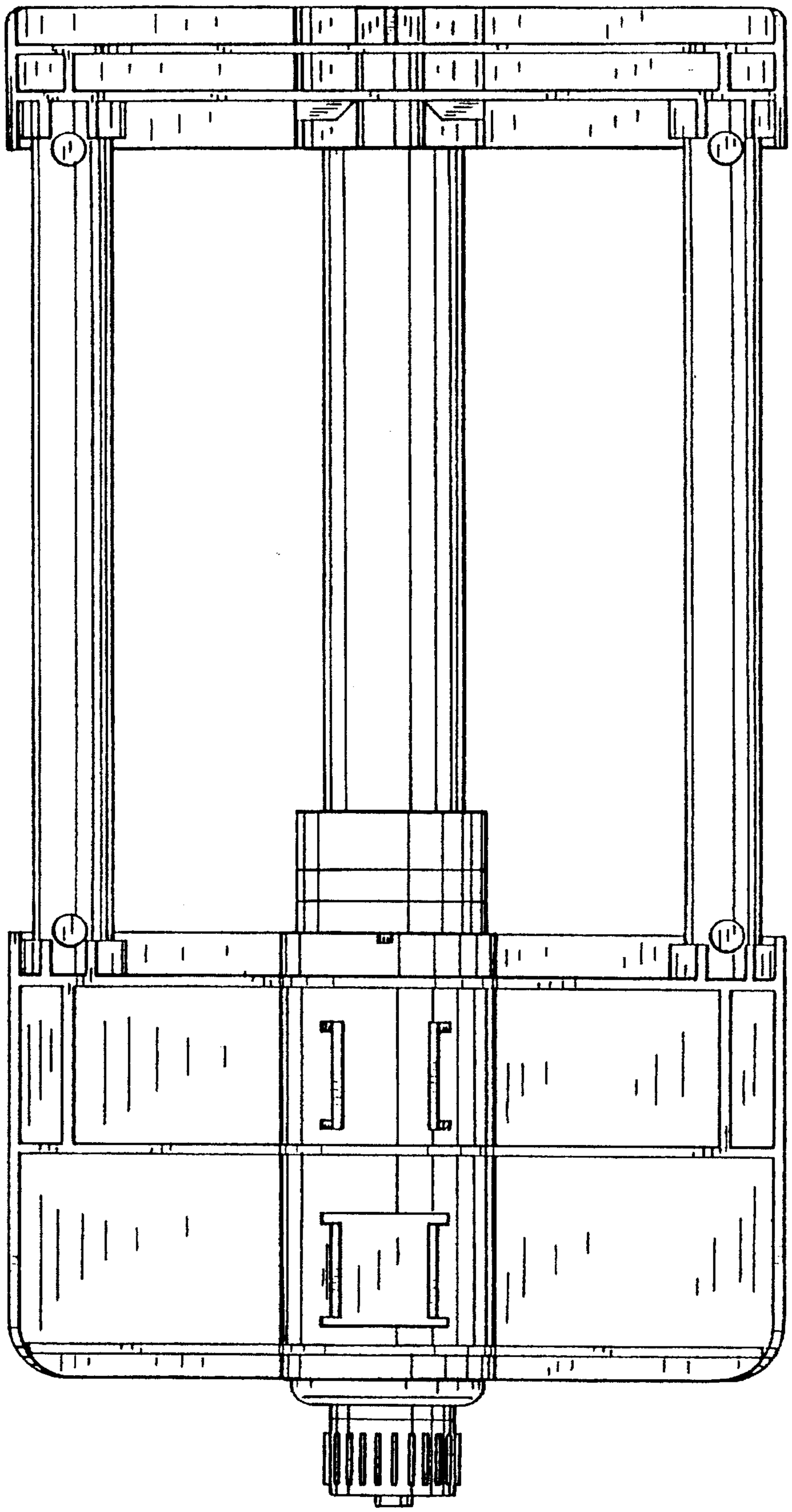


FIG. 20

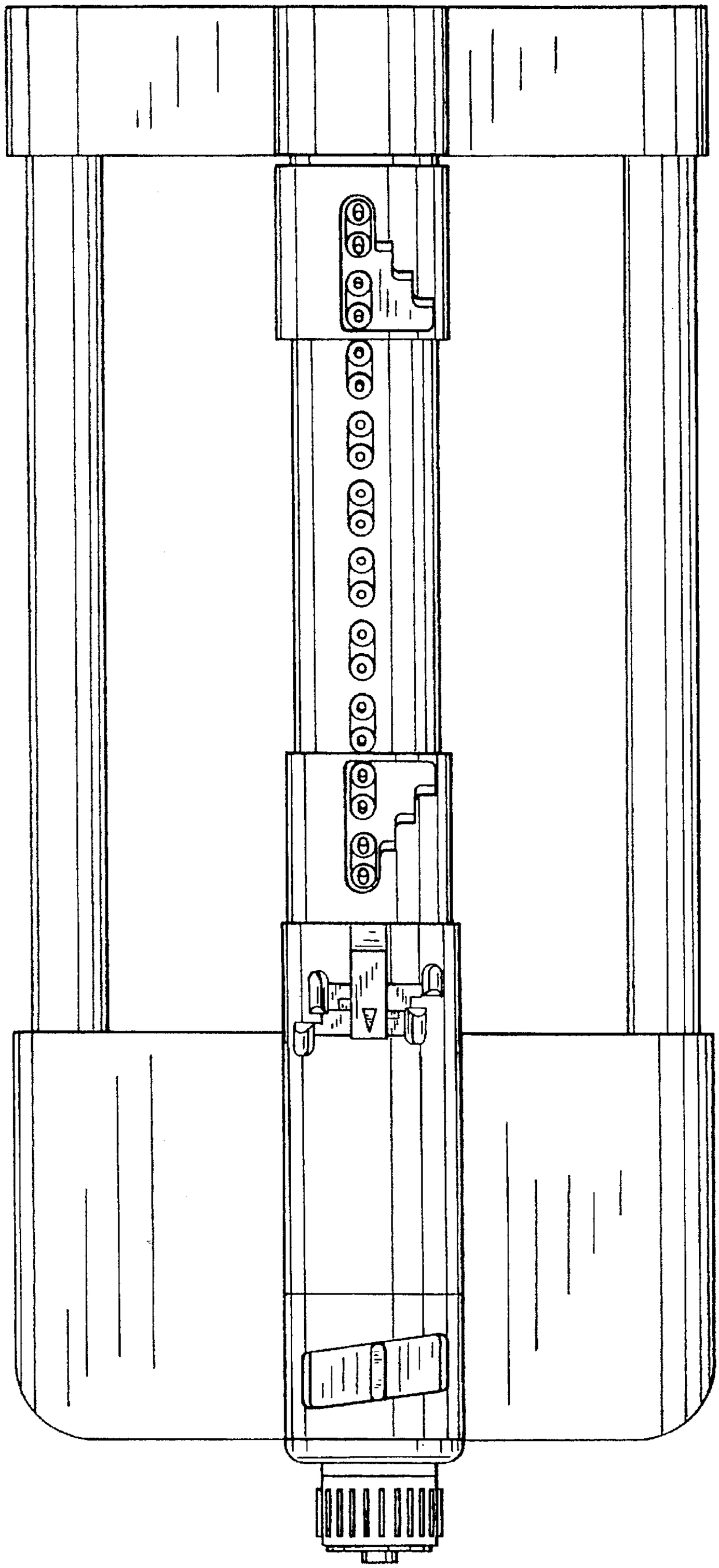


FIG. 21

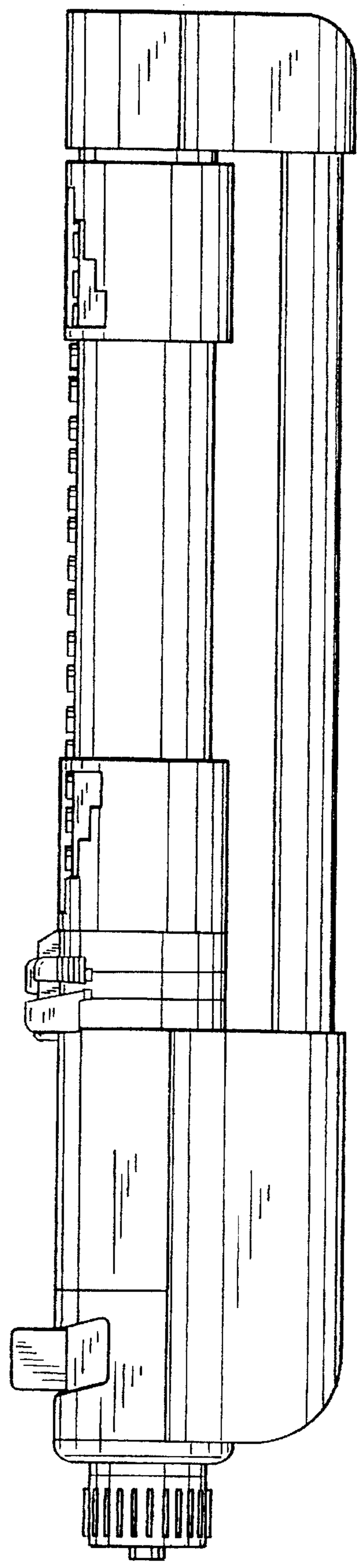


FIG. 22

FIG. 23

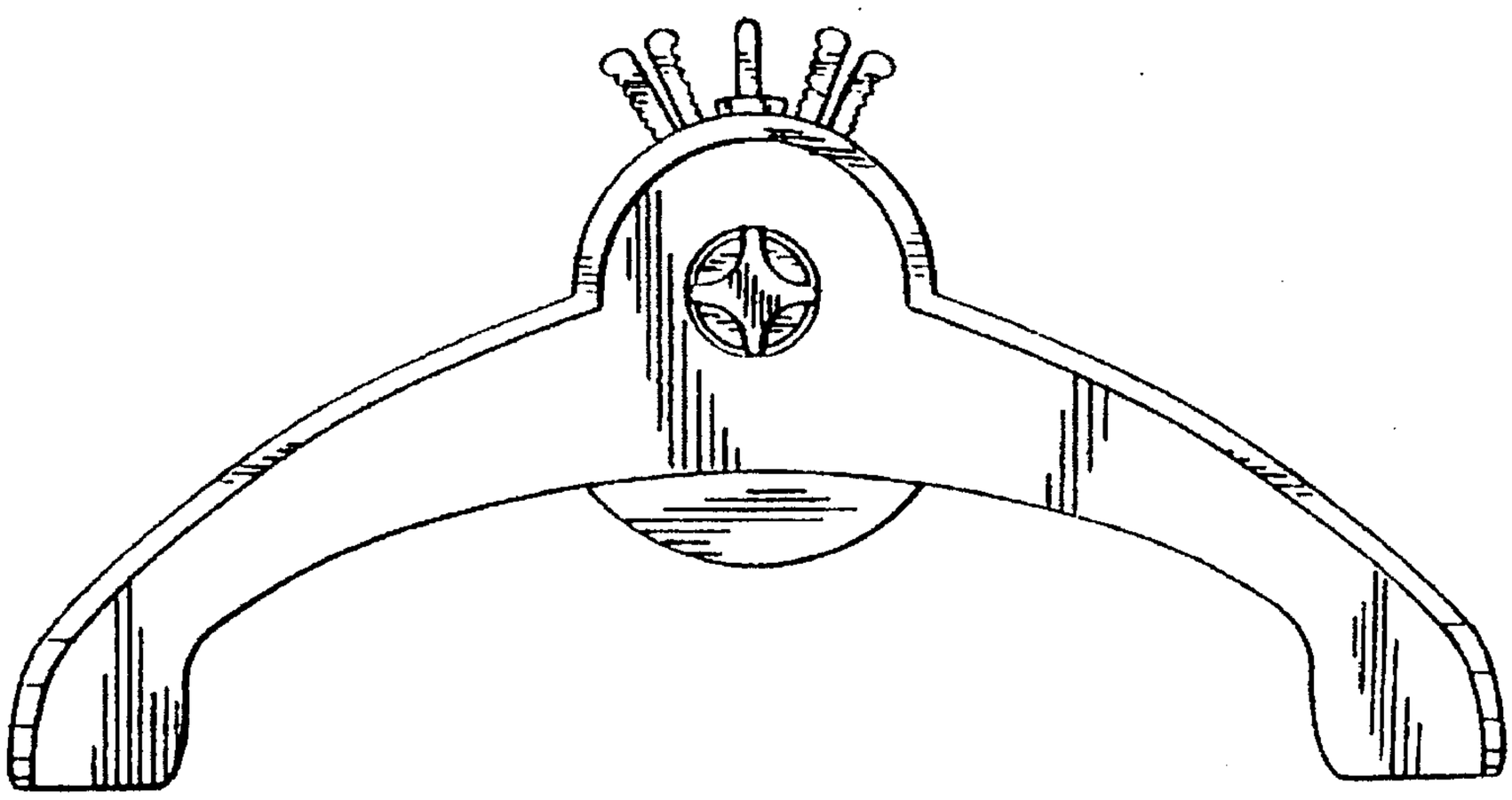
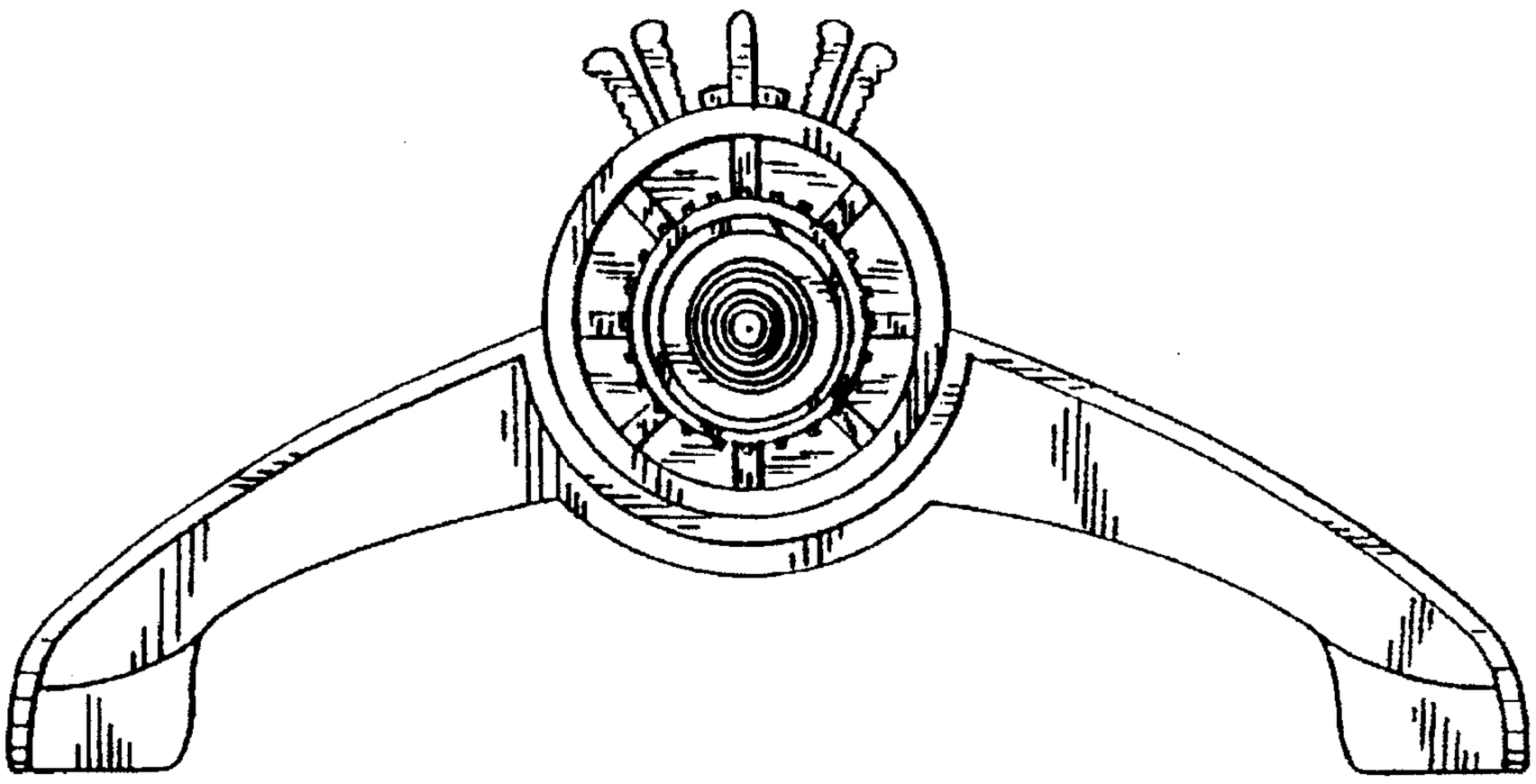


FIG. 24



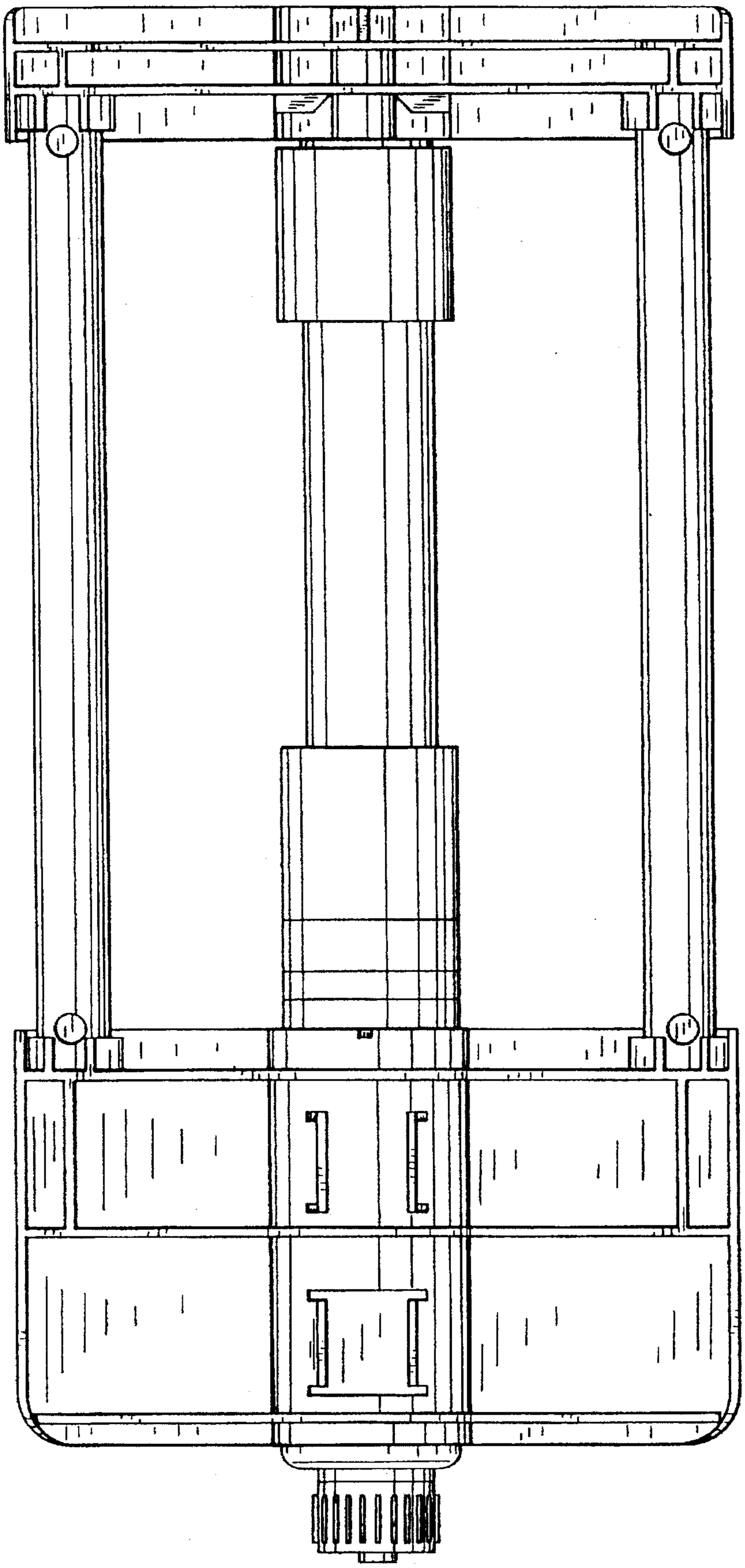


FIG. 25

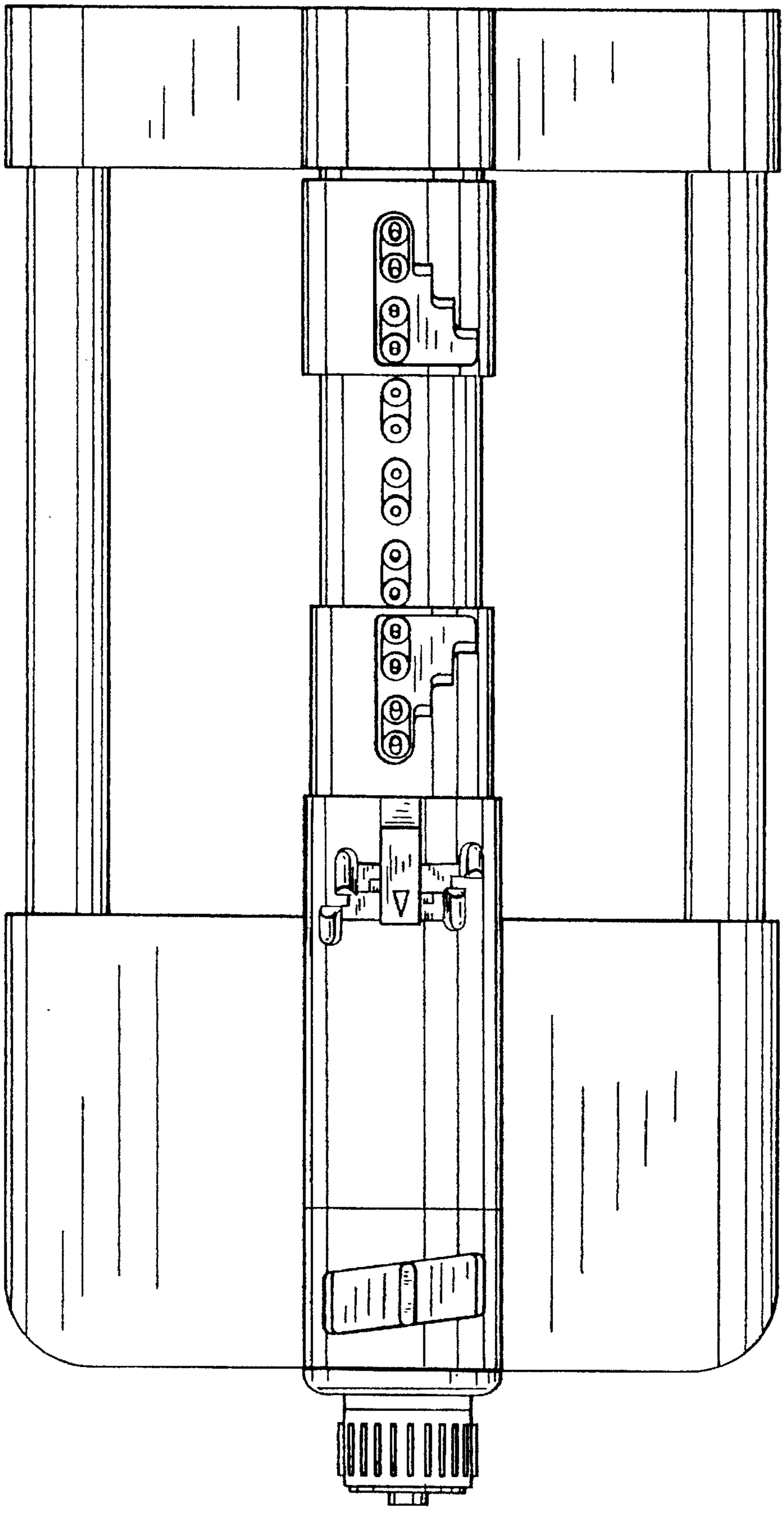


FIG. 26

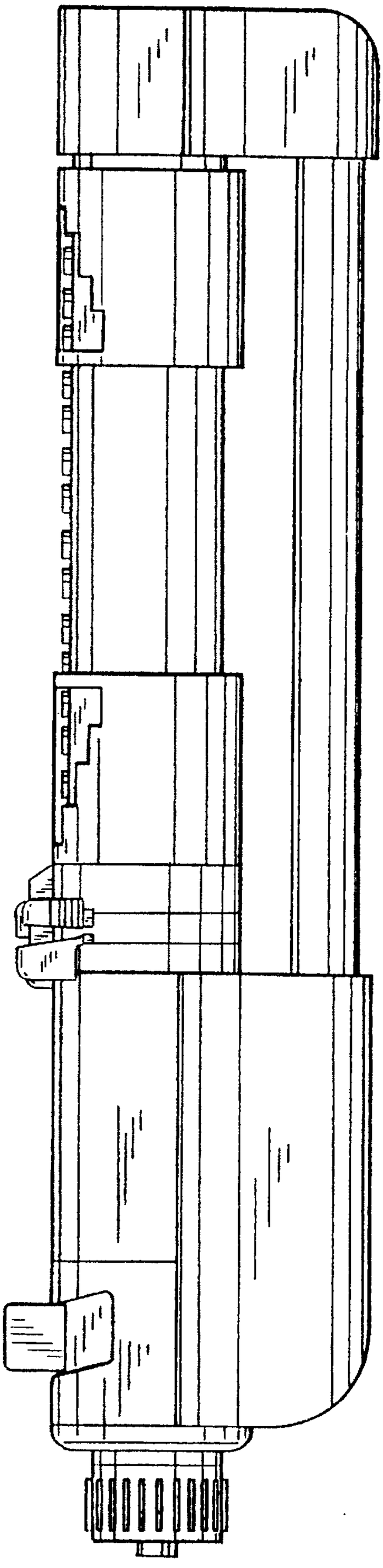


FIG. 27

FIG. 28

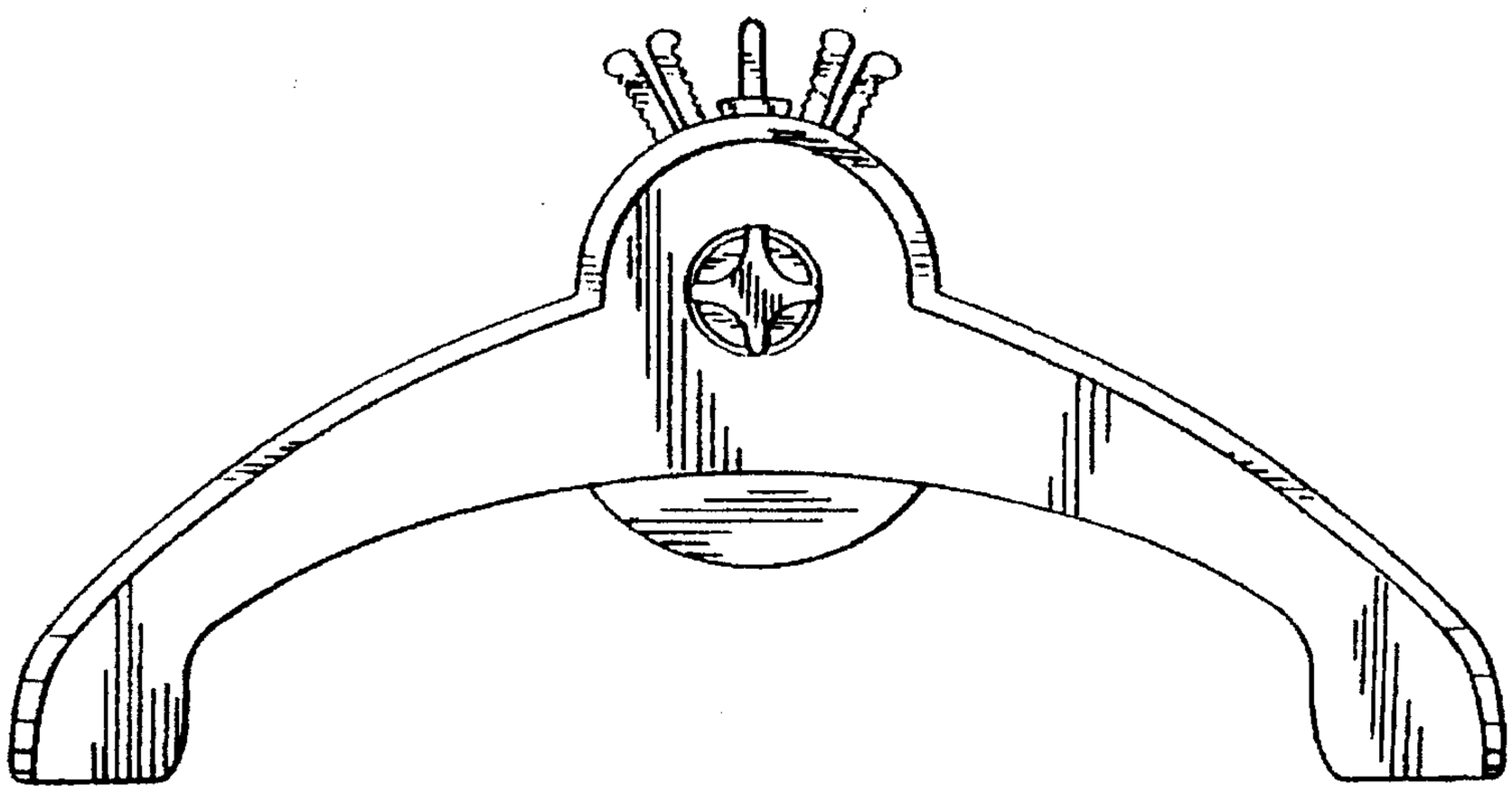
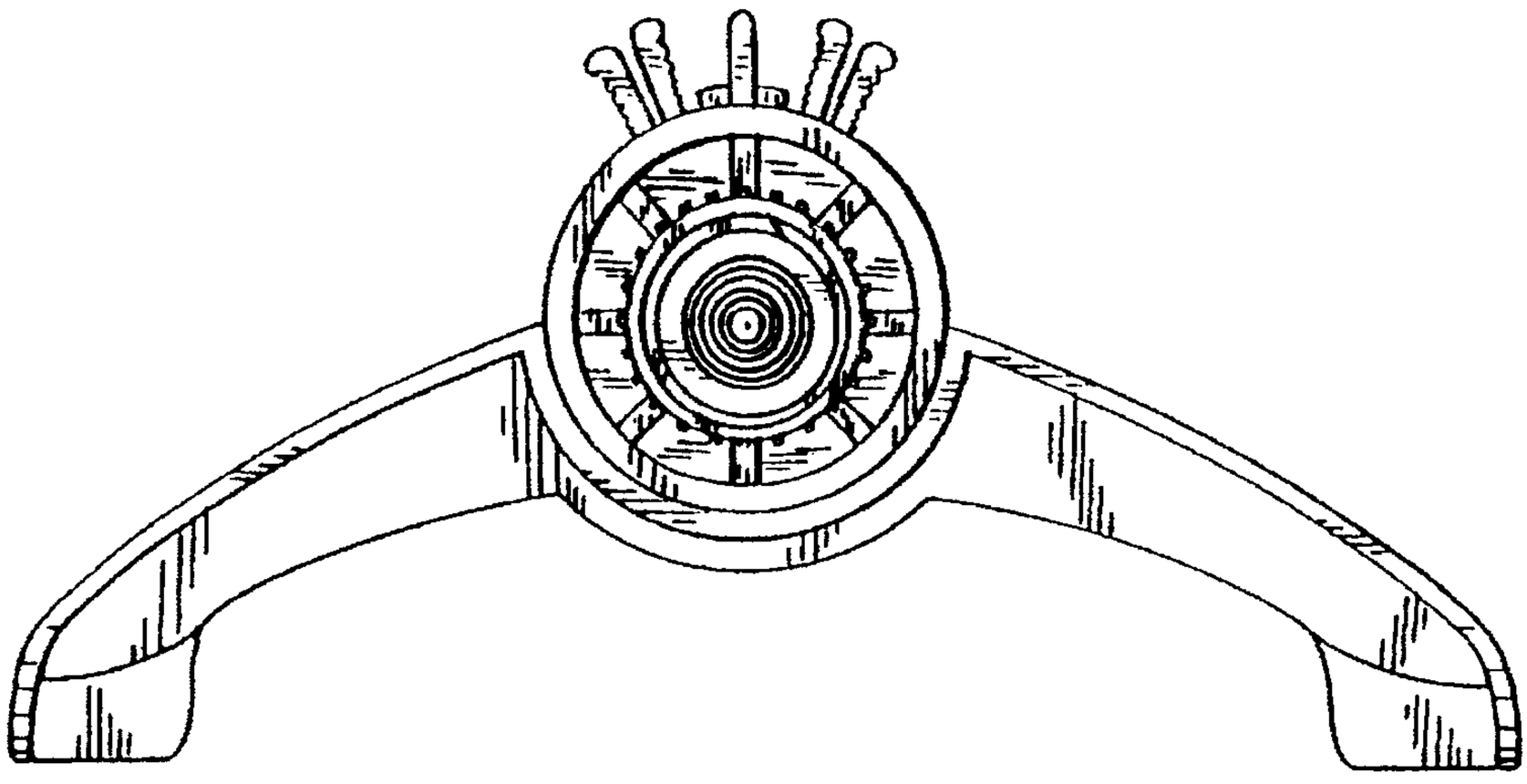


FIG. 29



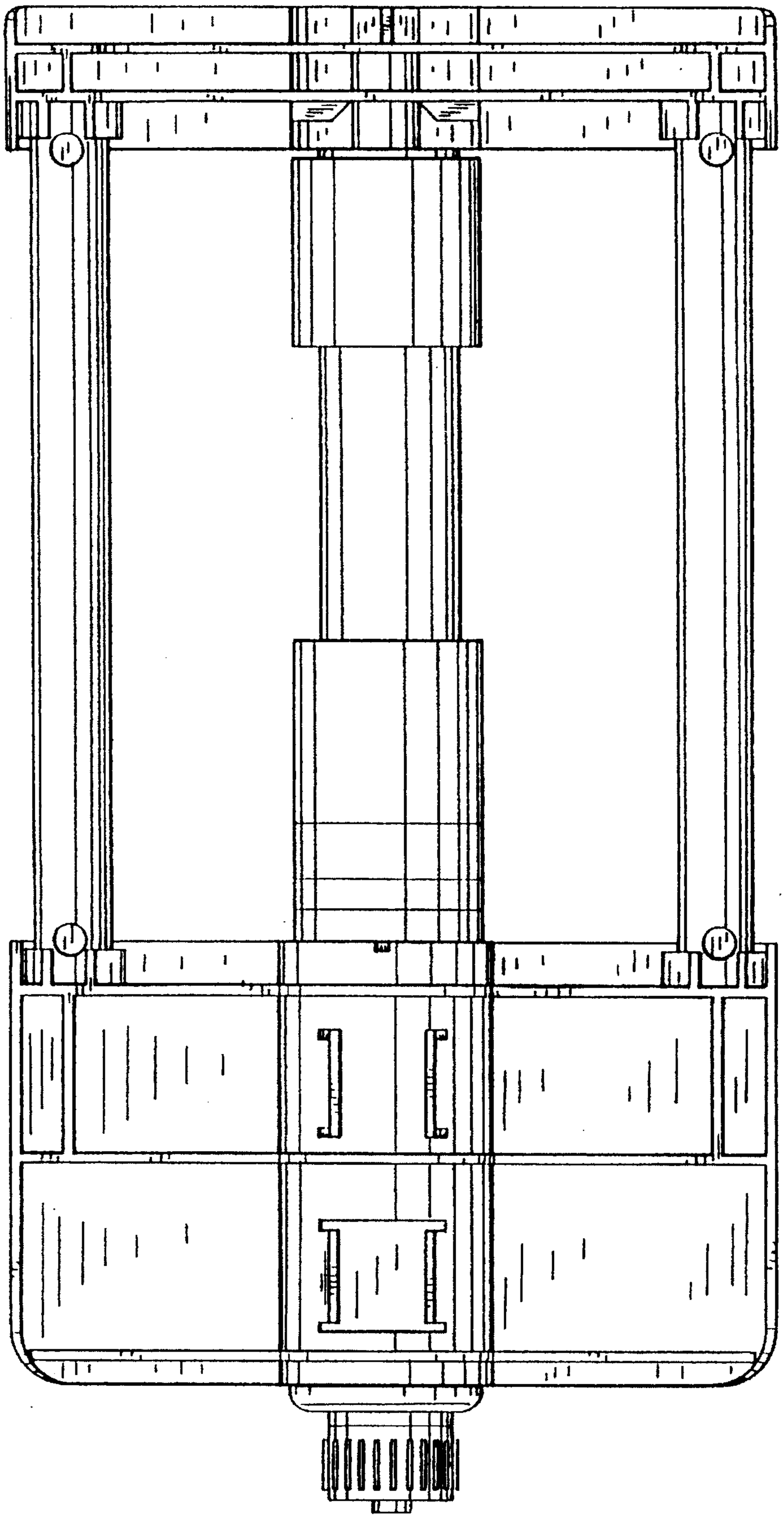


FIG. 30

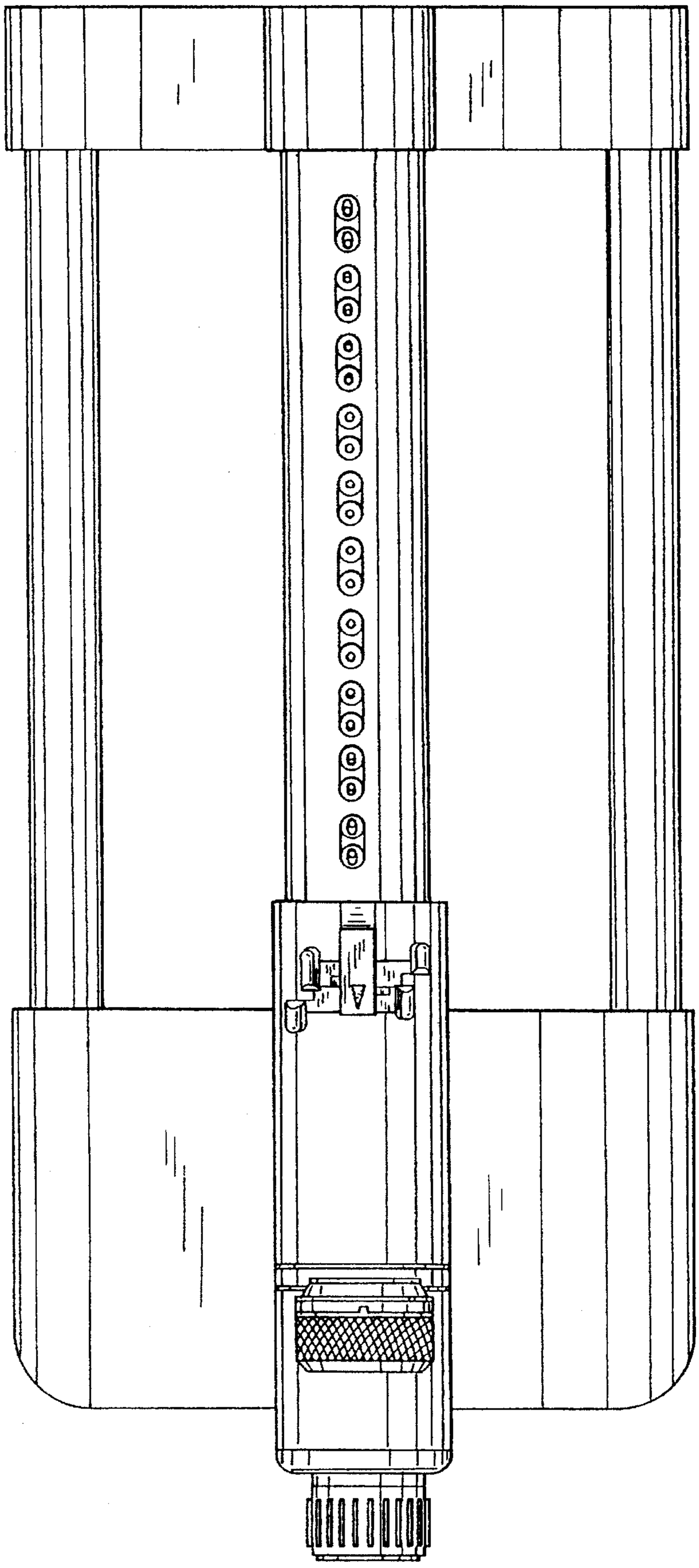


FIG. 31

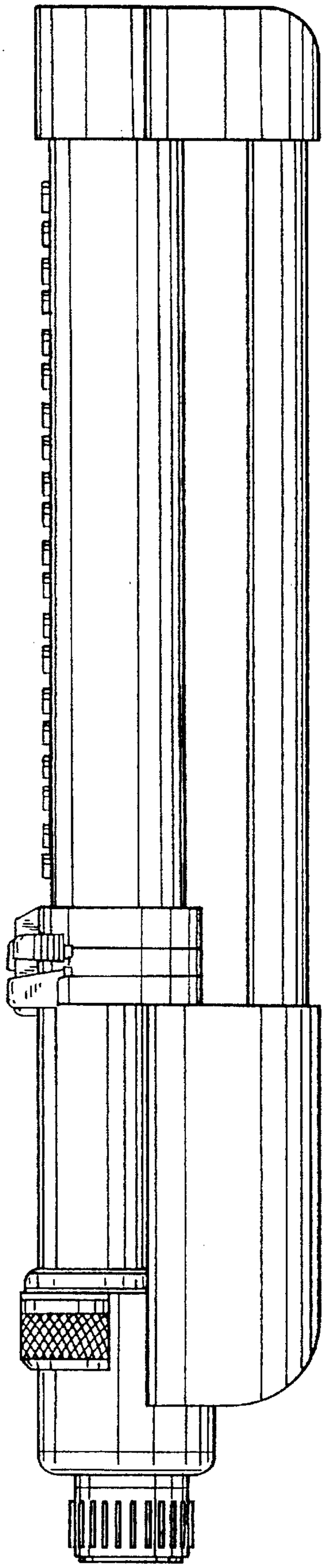


FIG. 32

FIG. 33

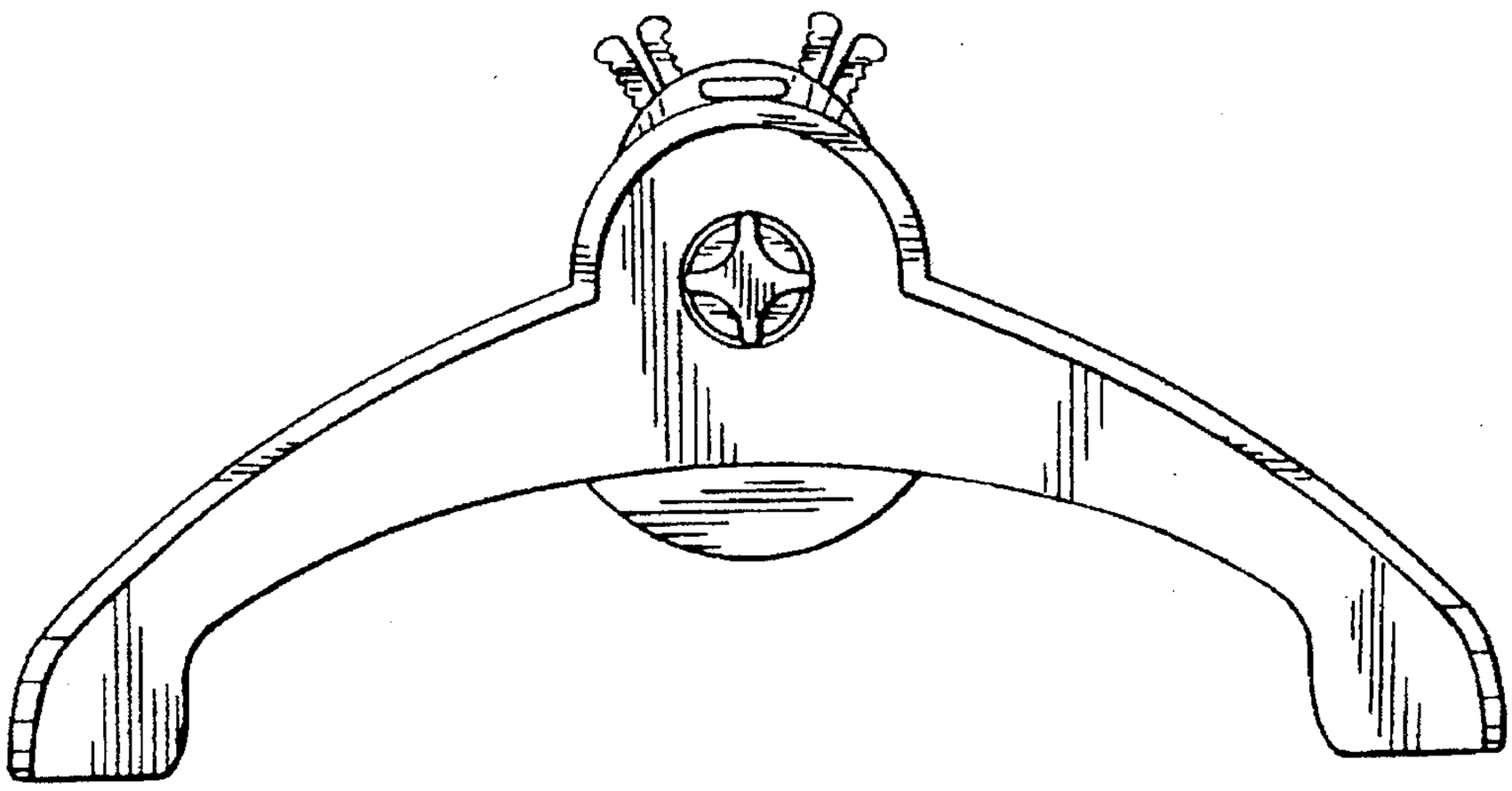
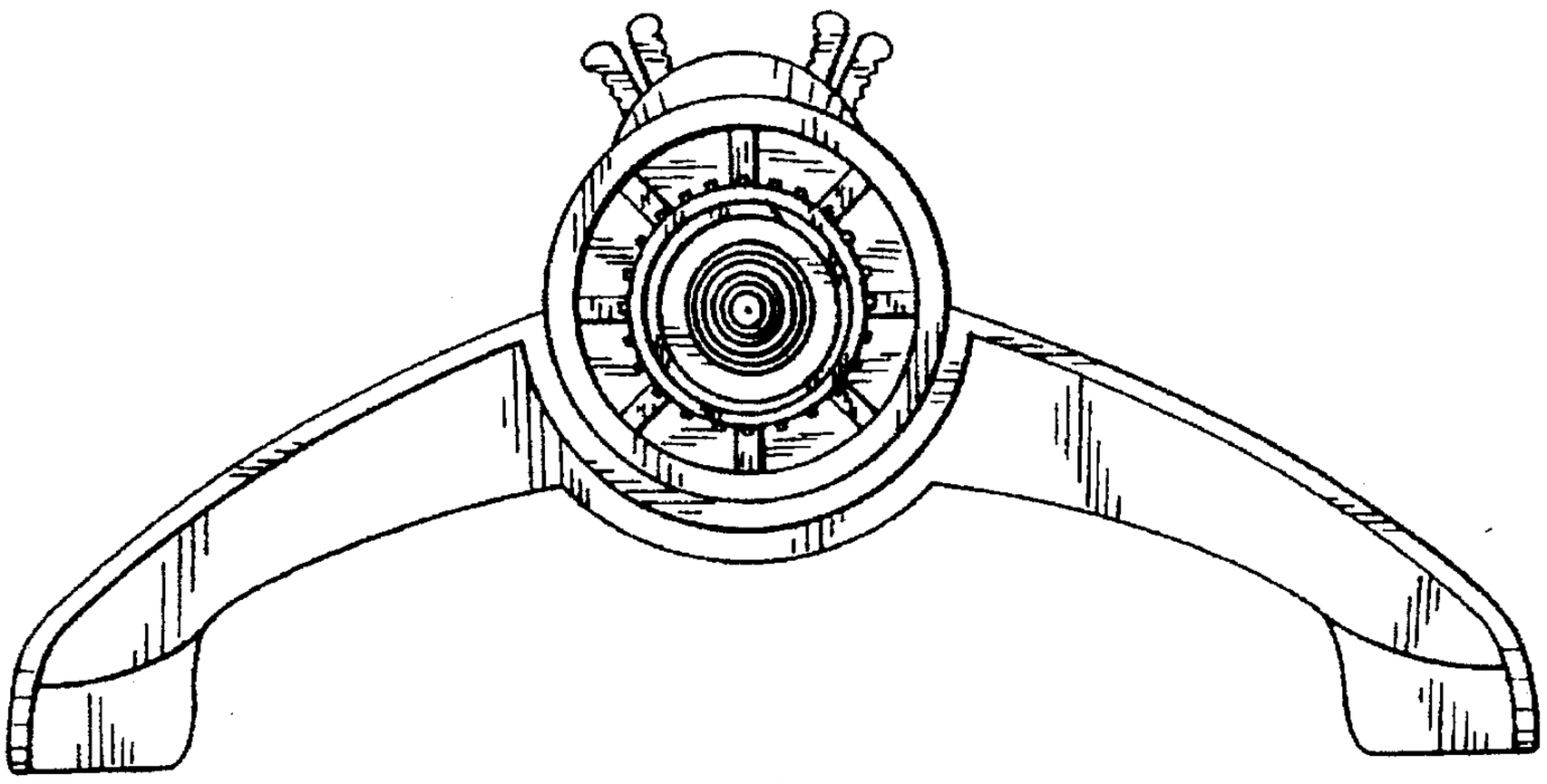


FIG. 34



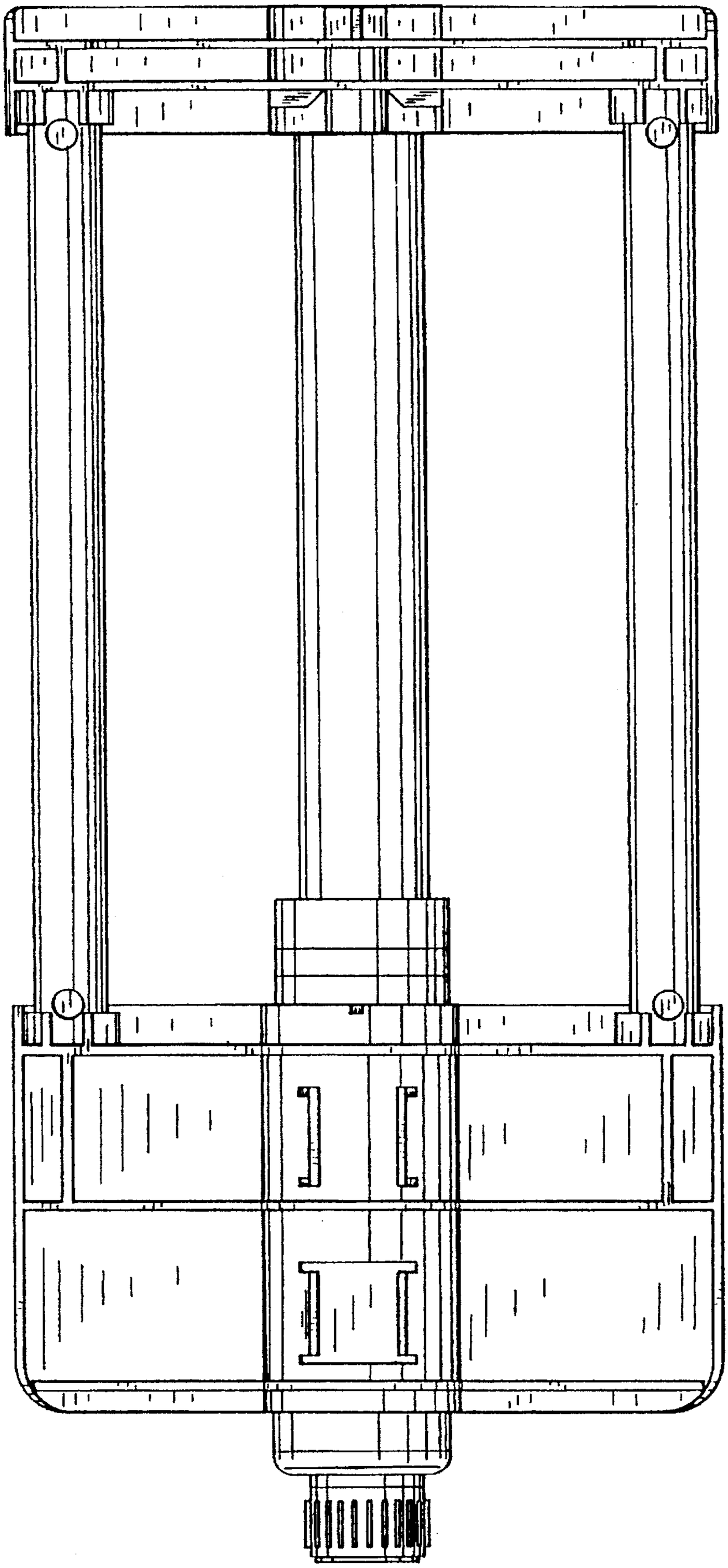


FIG. 35

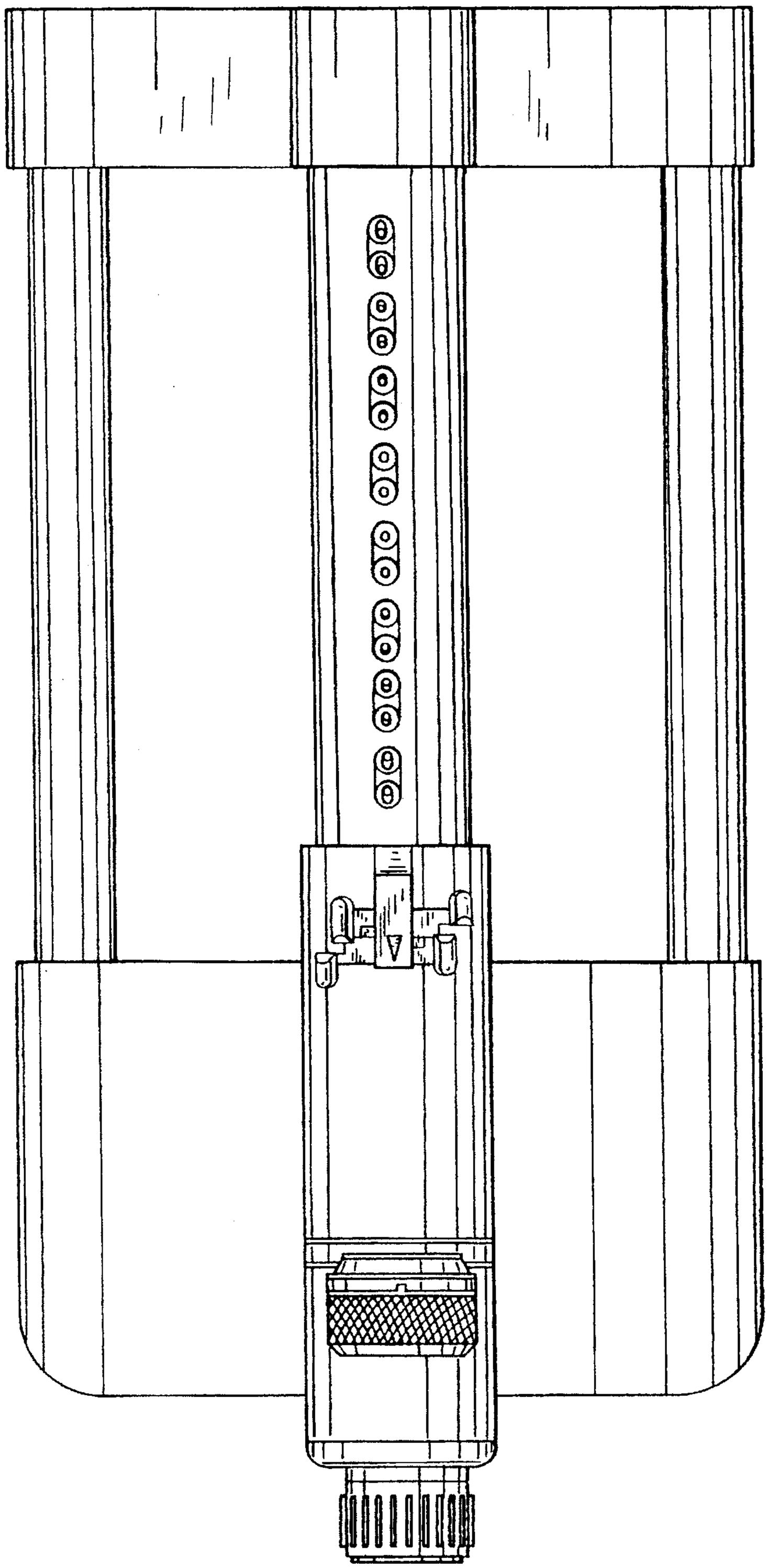


FIG. 36

FIG. 37

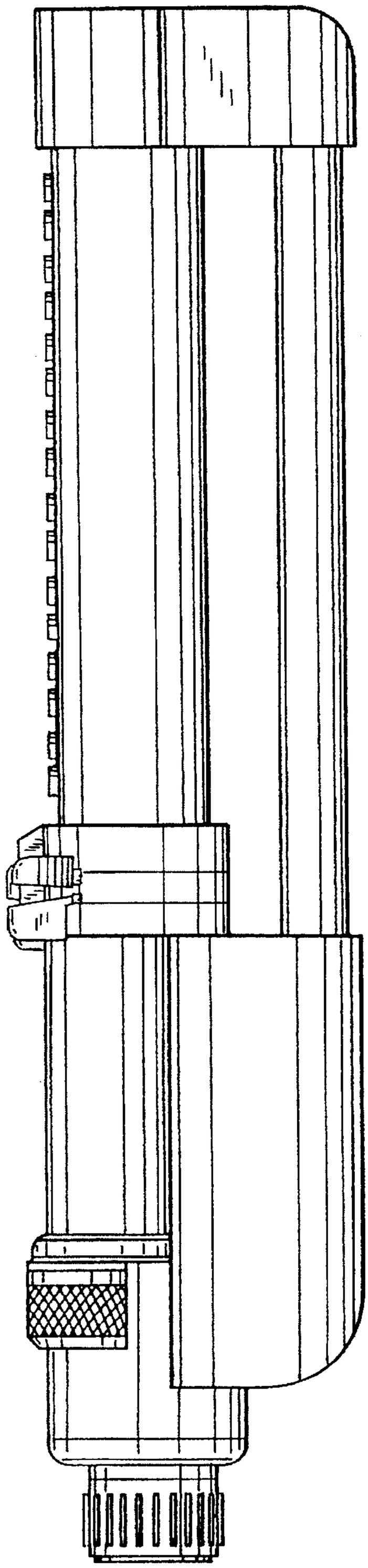


FIG. 38

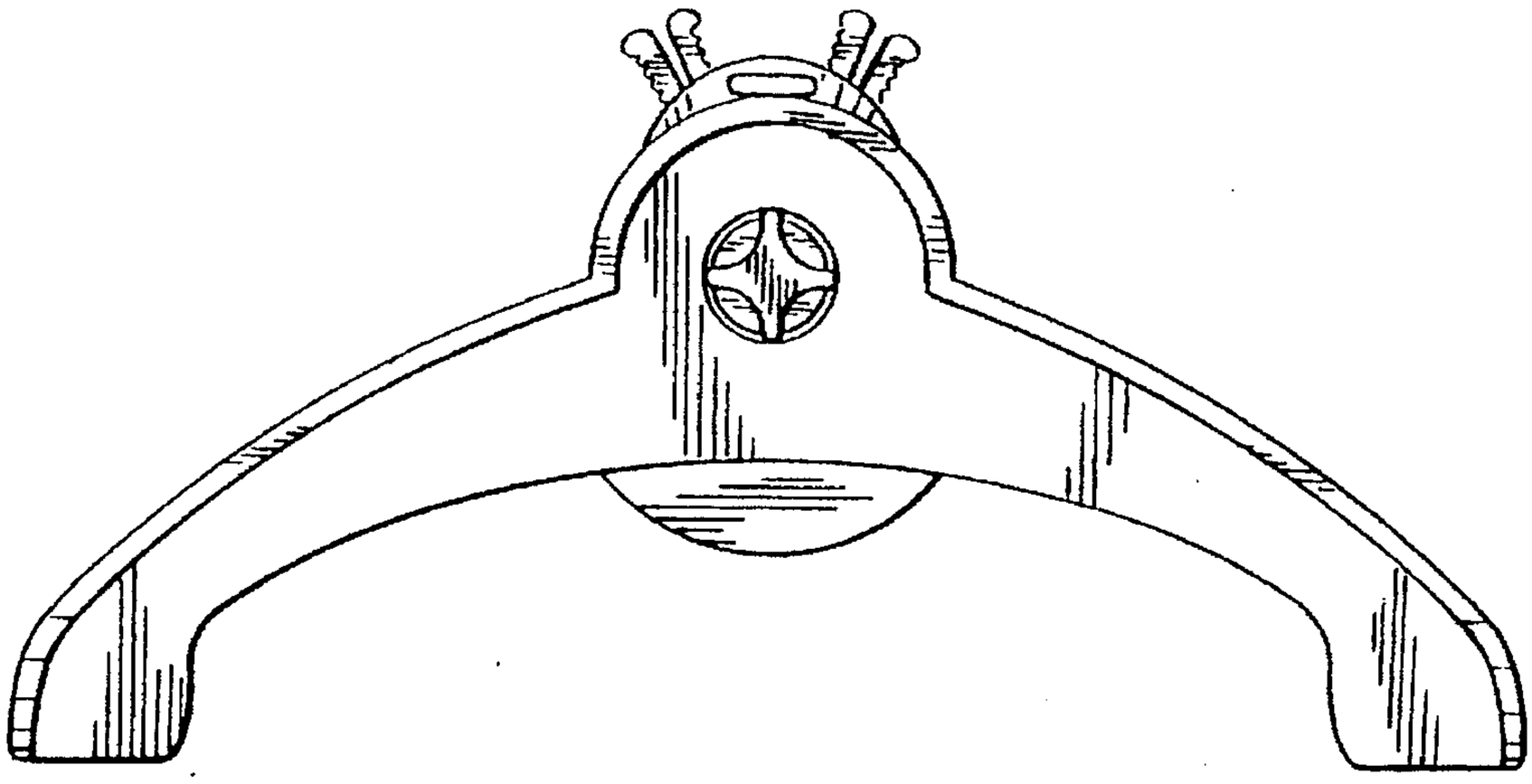
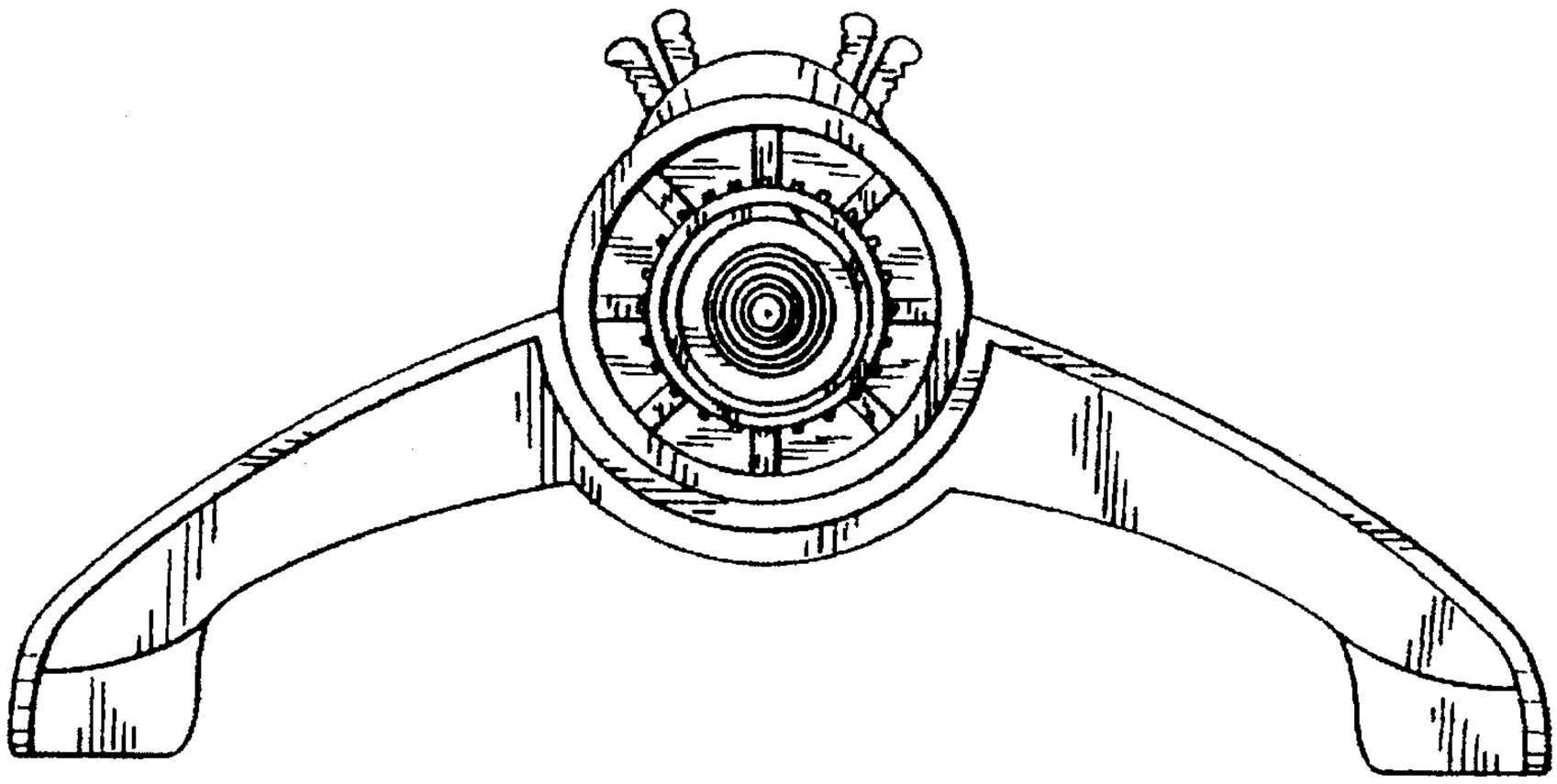


FIG. 39



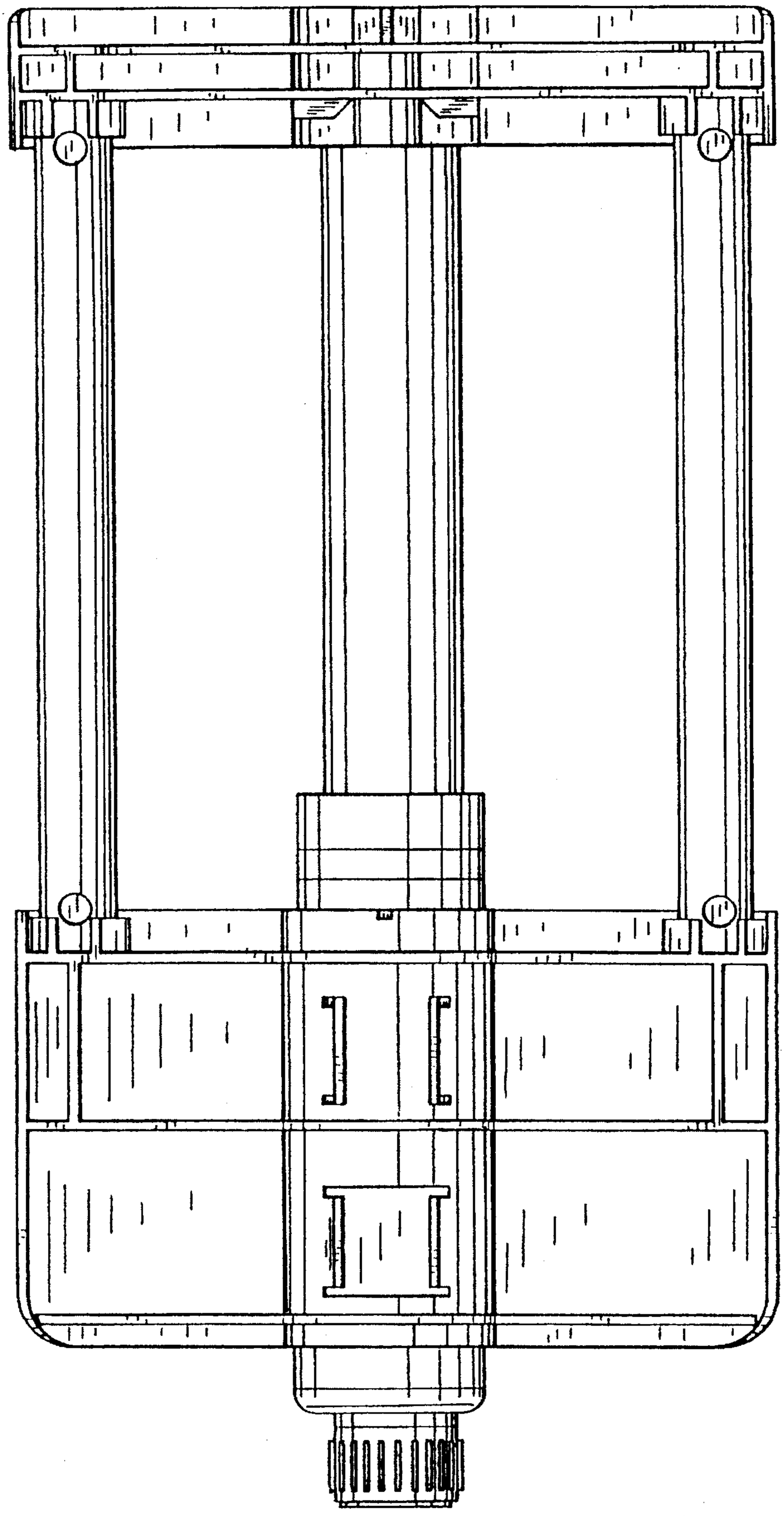


FIG. 40

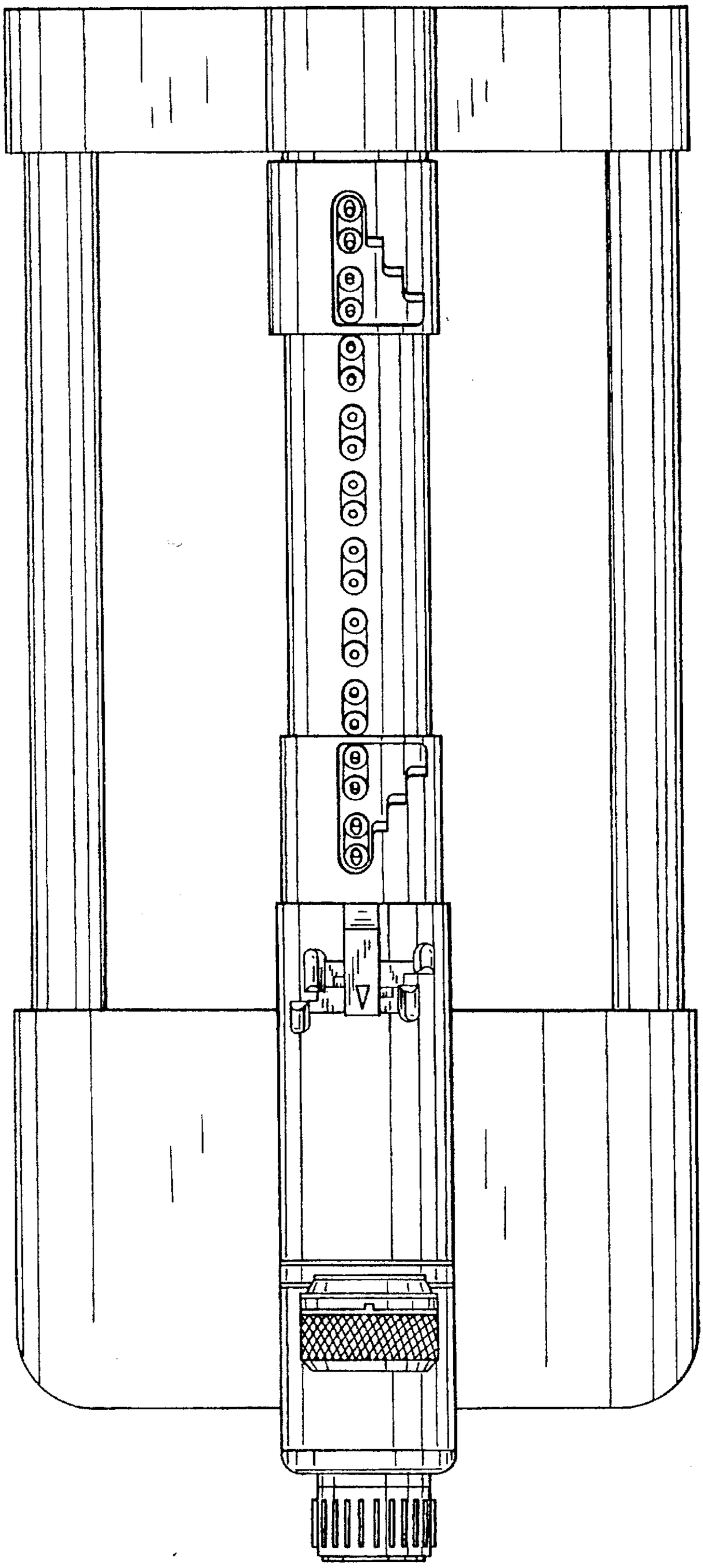


FIG. 41

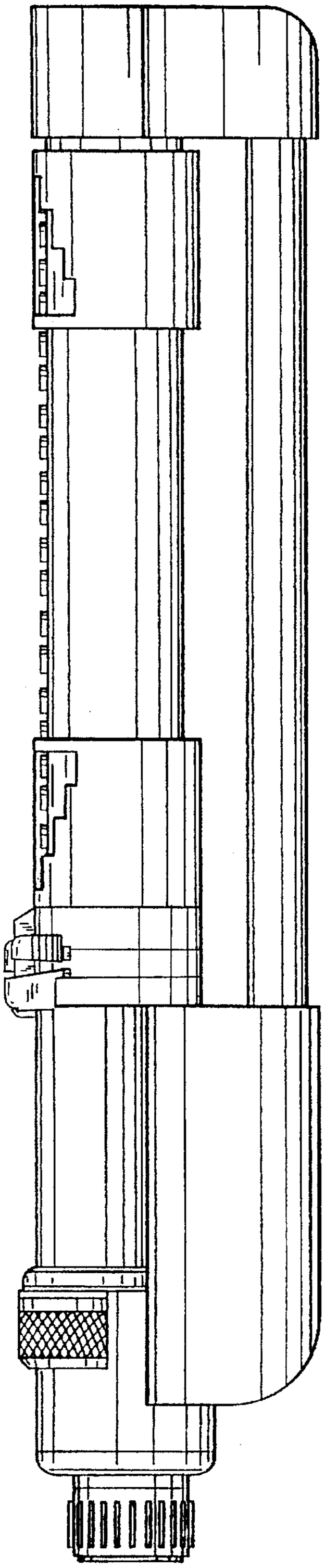


FIG. 42

FIG. 43

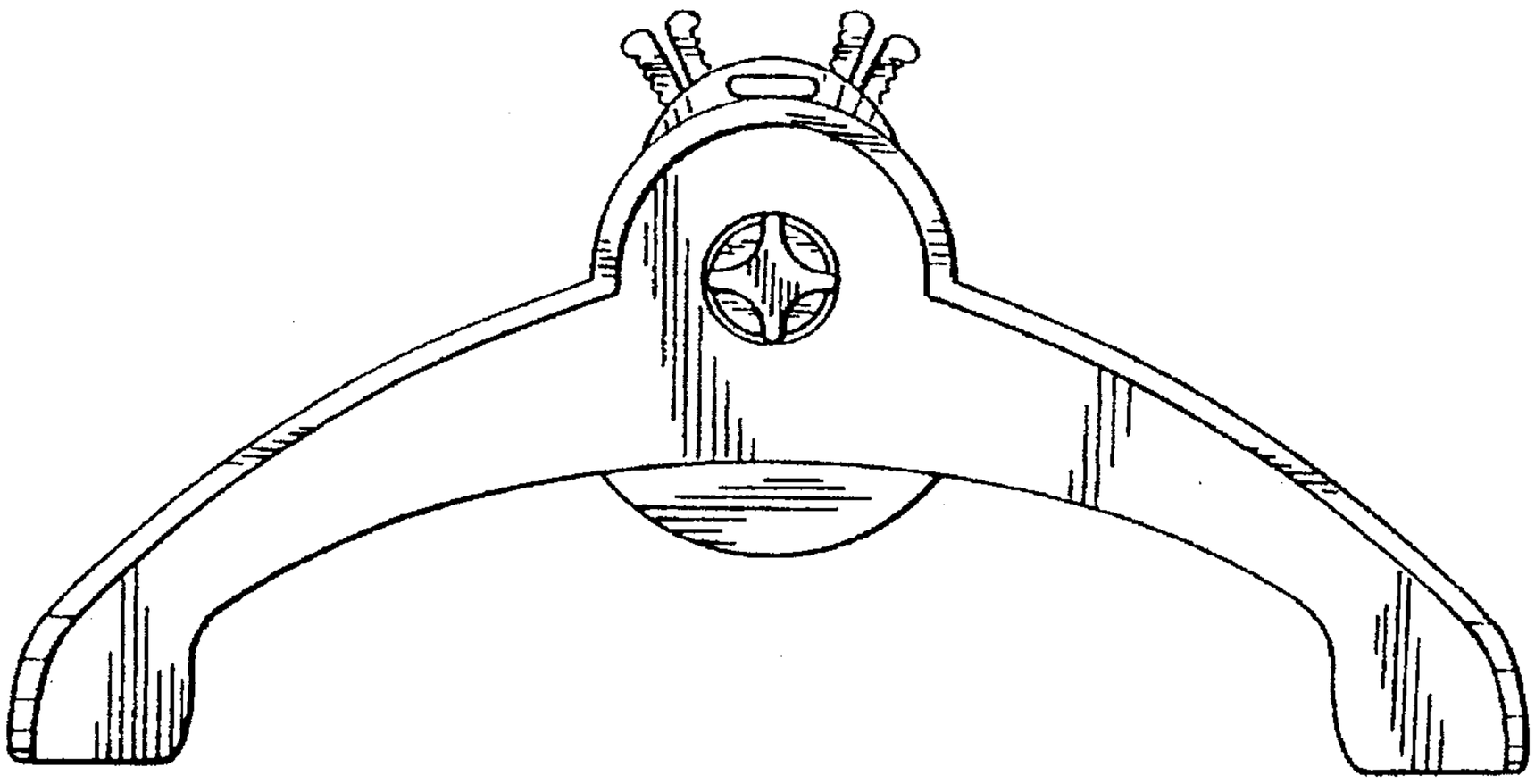
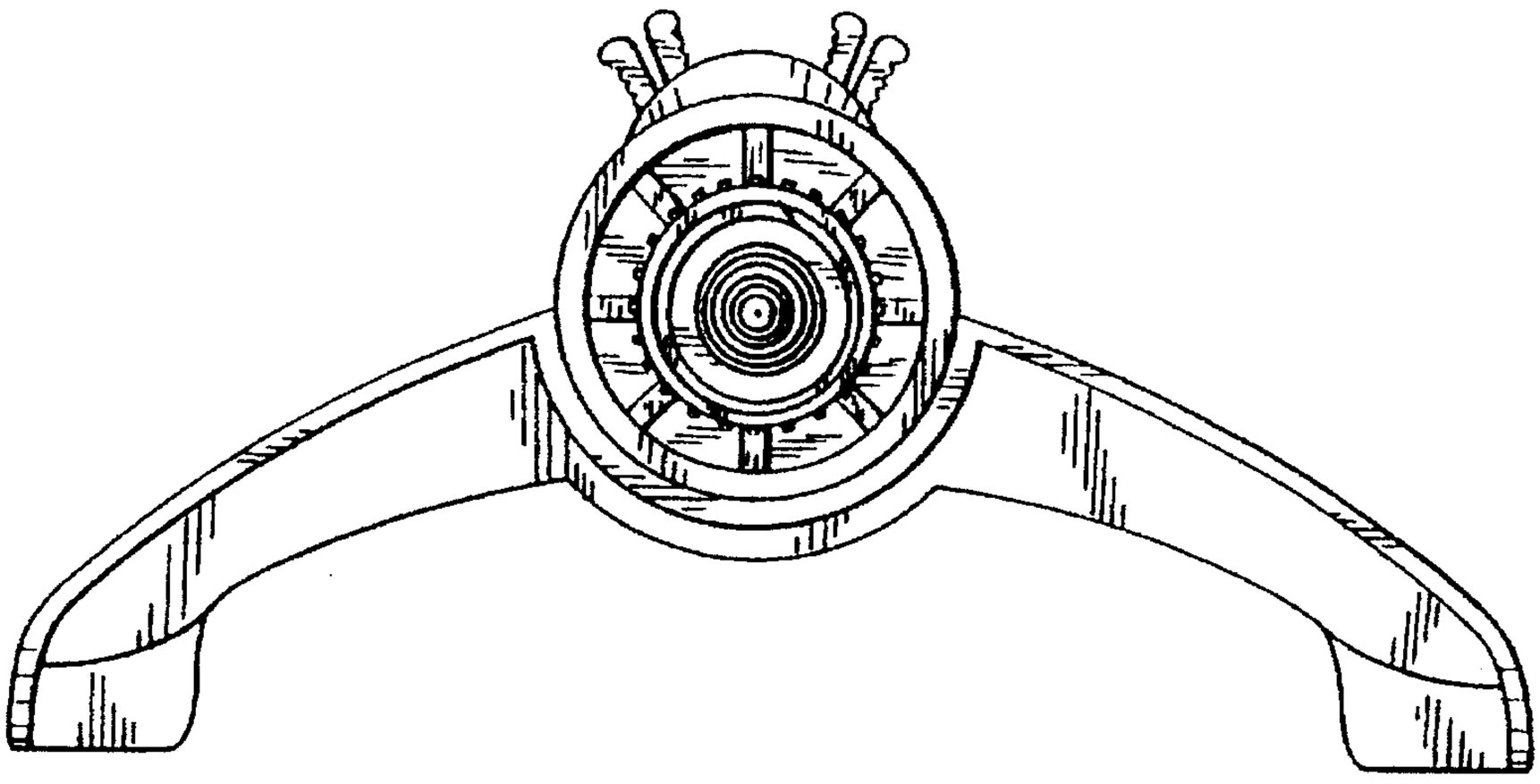


FIG. 44



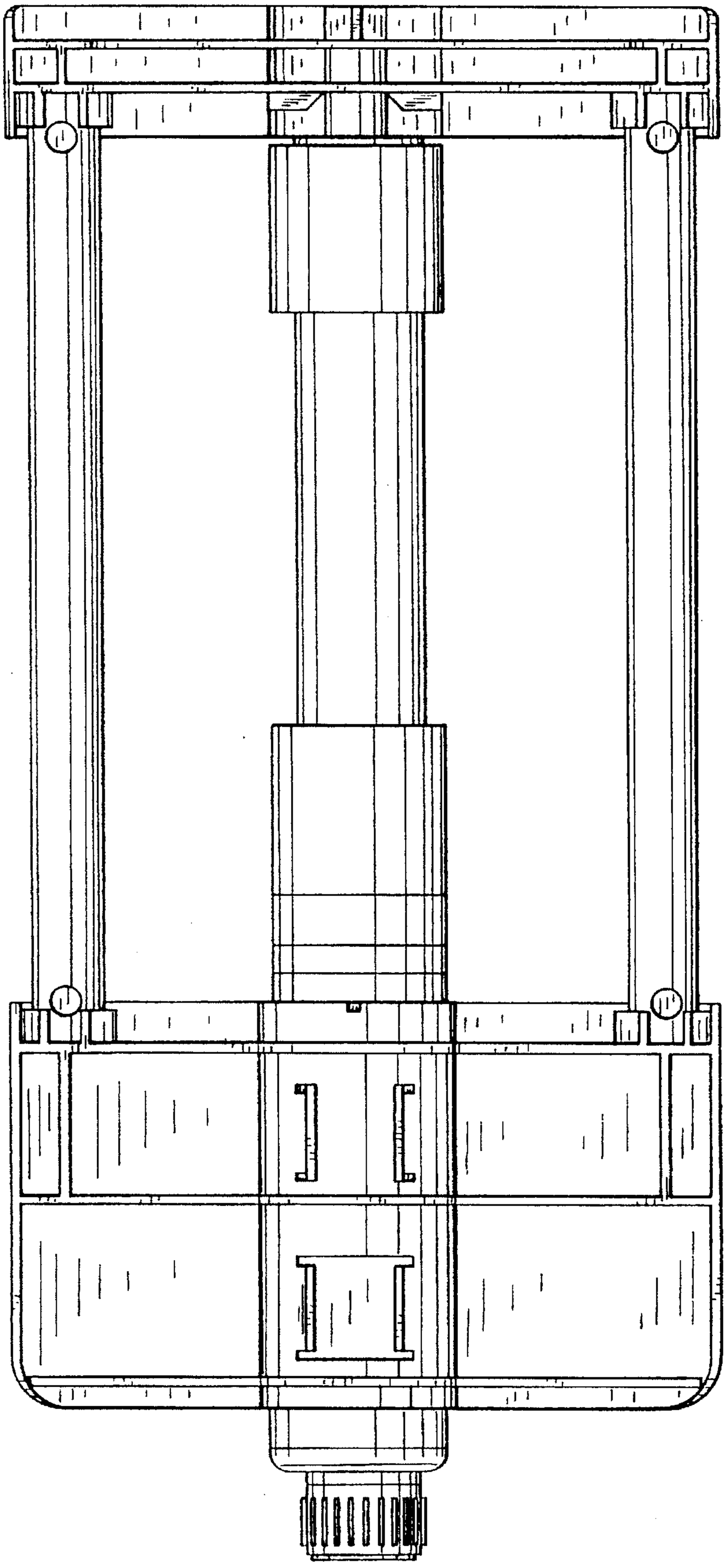


FIG. 45

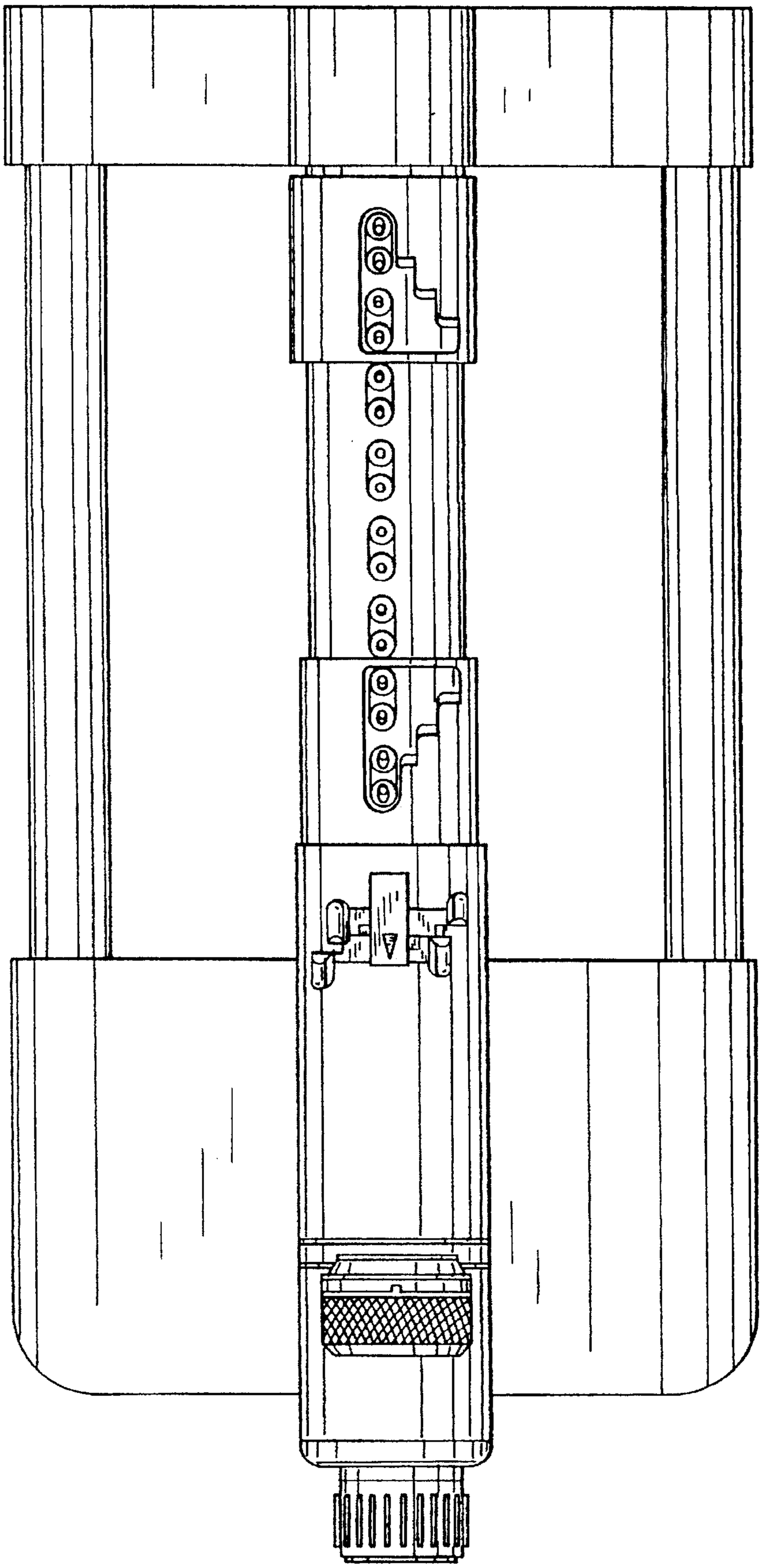


FIG. 46

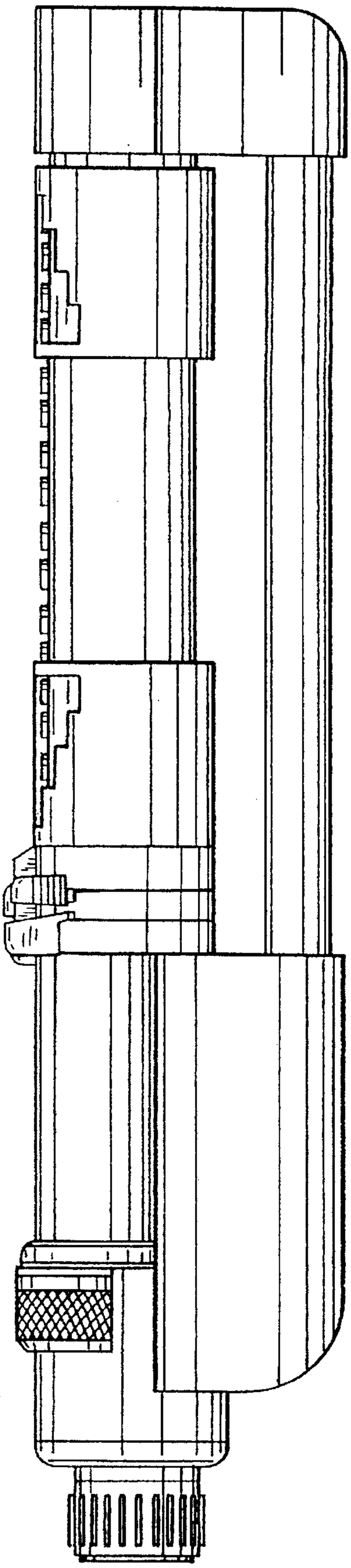


FIG. 47

FIG. 48

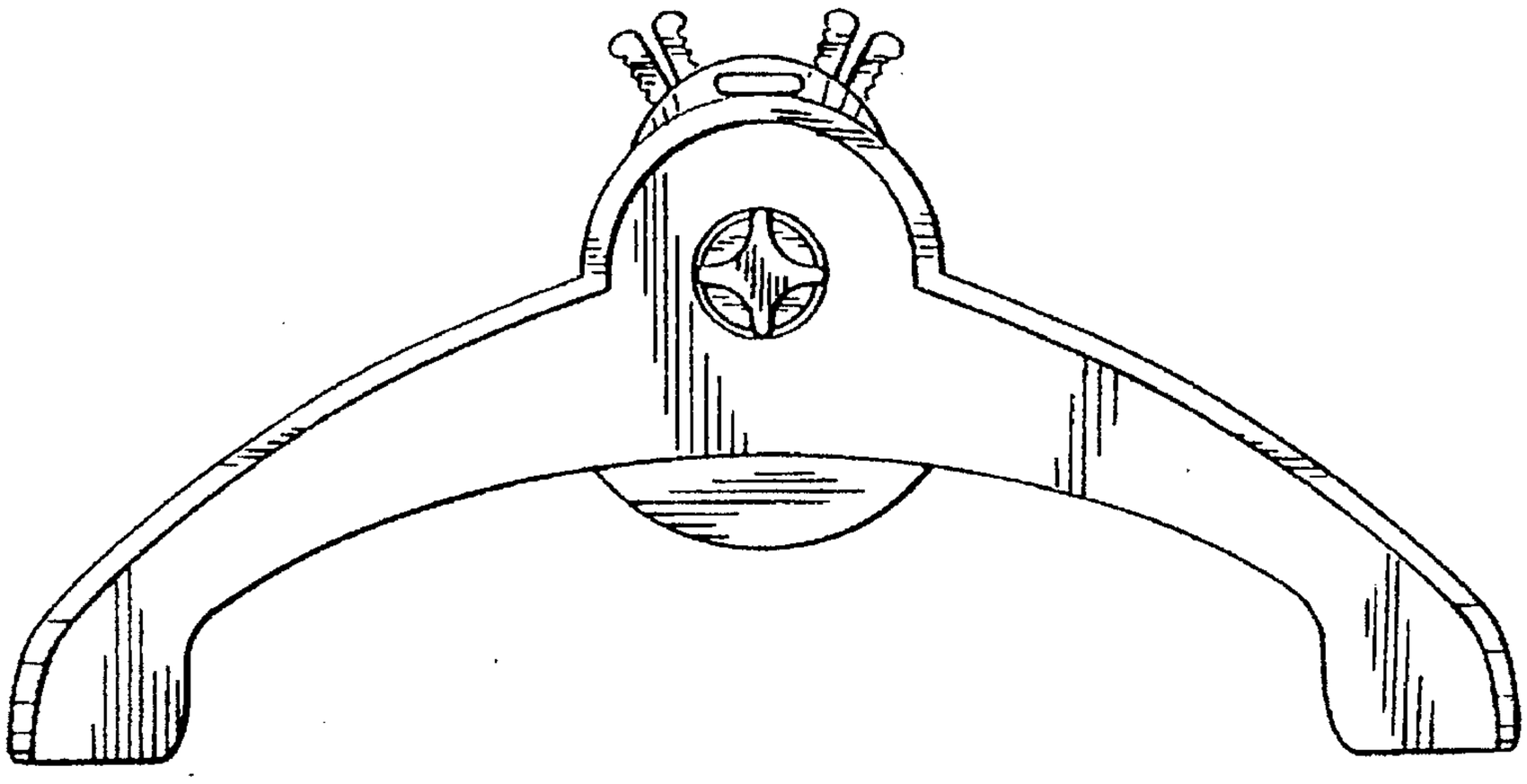
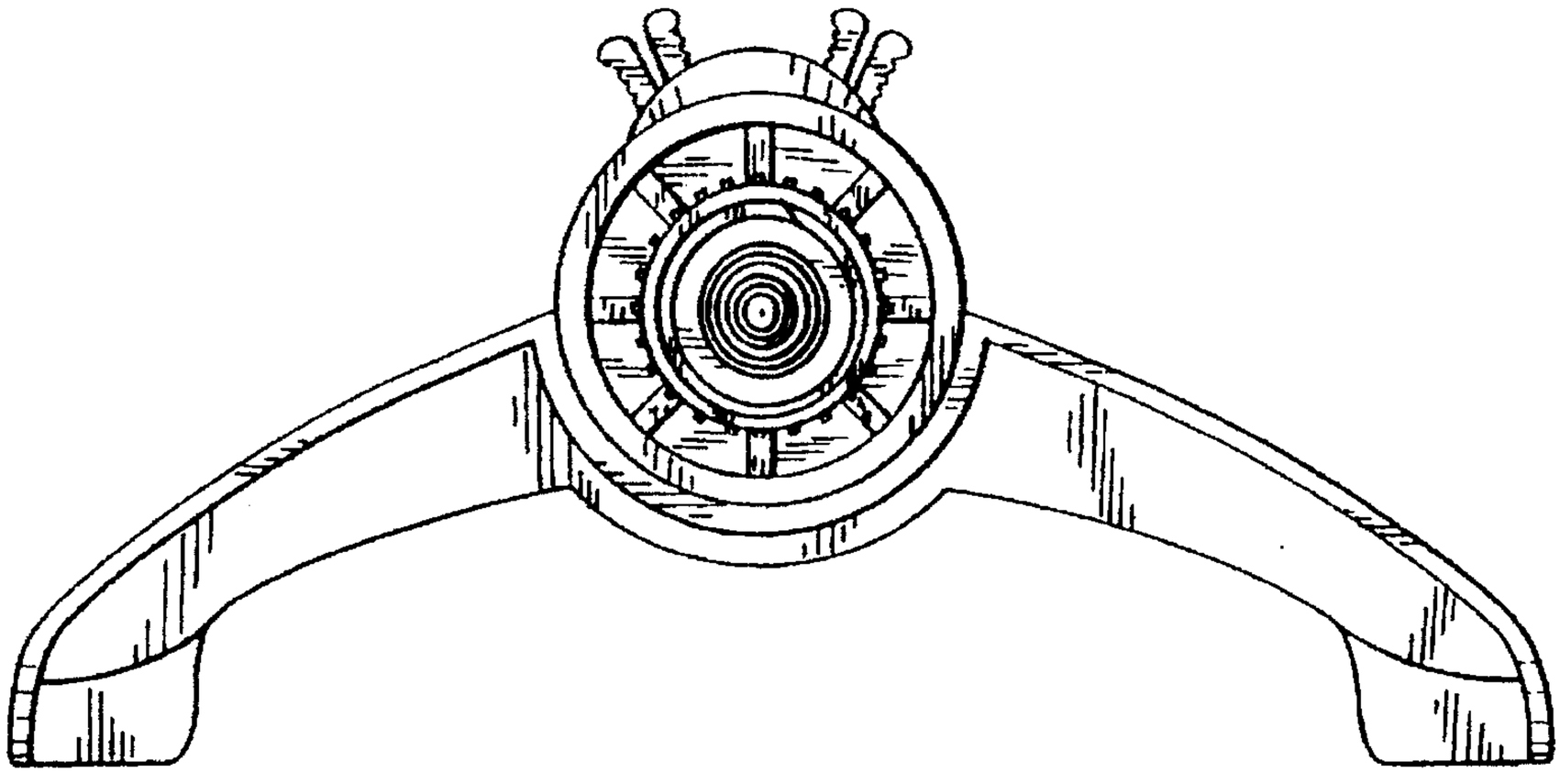


FIG. 49



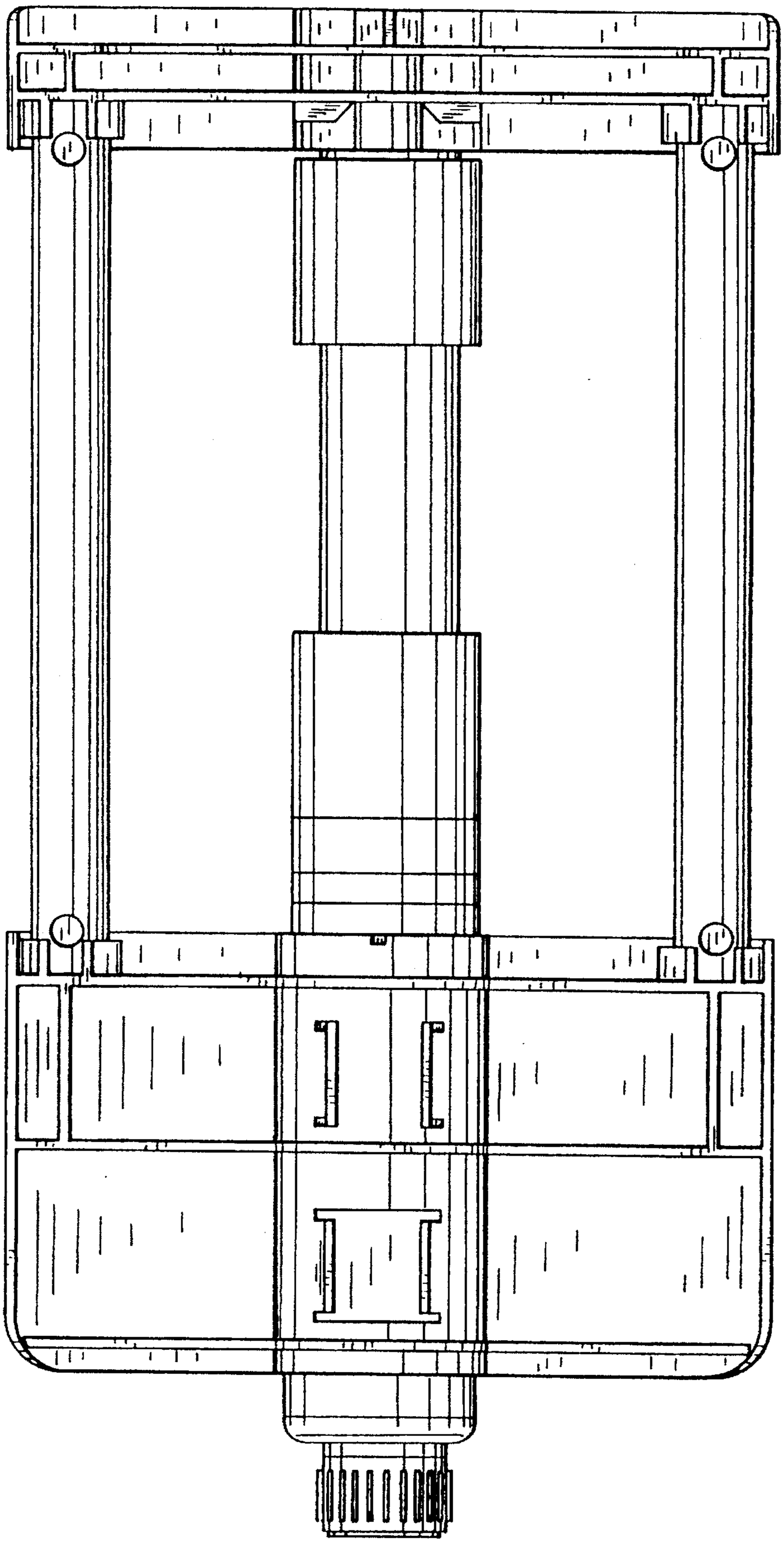


FIG. 50