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

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(45) **Date of Patent:** **\*\* May 30, 2006**

(54) **RING AIRFOIL LAUNCHING SYSTEM AND COMPONENTS THEREOF**

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

(21) Appl. No.: **29/186,818**

(22) Filed: **Jul. 22, 2003**

(51) **LOC (8) Cl.** ..... **21-01**

(52) **U.S. Cl.** ..... **D21/570**

(58) **Field of Classification Search** ..... D21/567-575;  
D14/428; D23/225-226; D22/103; 446/58,  
446/65, 39, 473, 475, 406, 267, 180, 219,  
446/430, 259; 124/16-17, 20.1, 22, 73-76,  
124/83-85; 42/7, 54, 103, 105; 89/196, 148  
See application file for complete search history.

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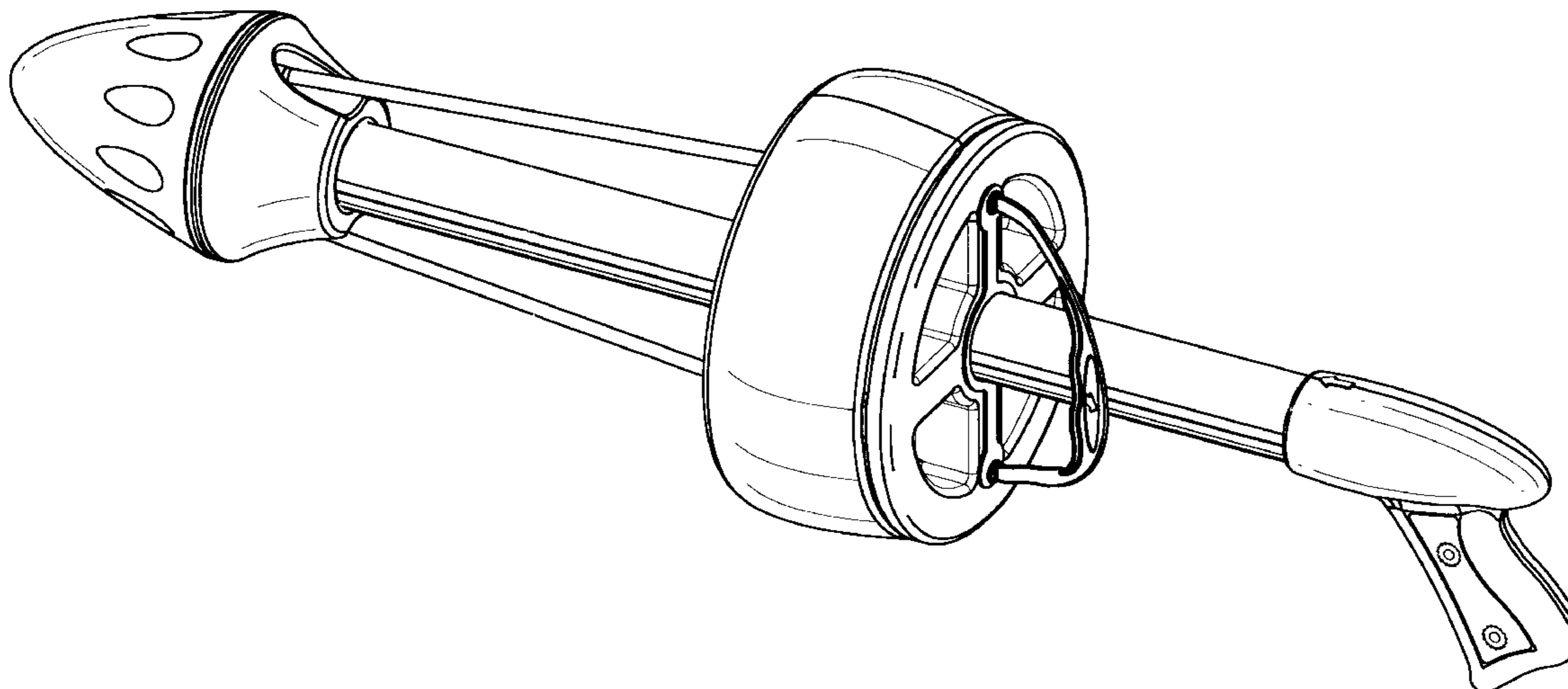
(57) **CLAIM**

The ornamental design for a ring airfoil launching system and components thereof, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a ring airfoil launching system and components thereof;  
FIG. 2 is a left side elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a right side elevational view thereof;  
FIG. 5 is a front elevational view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof;  
FIG. 8 is a perspective view of a modified embodiment of a ring airfoil launching system and components thereof;  
FIG. 9 is a left side elevational view of the ring airfoil launching system and components thereof of FIG. 8;  
FIG. 10 is a rear elevational view of the ring airfoil launching system and components thereof of FIG. 8;  
FIG. 11 is a right side elevational view of the ring airfoil launching system and components thereof of FIG. 8;  
FIG. 12 is a front elevational view of the ring airfoil launching system and components thereof of FIG. 8;  
FIG. 13 is a top plan view of the ring airfoil launching system and components thereof of FIG. 8; and,  
FIG. 14 is a bottom plan view of the ring airfoil launching system and components thereof of FIG. 8.  
Phantom lining, where utilized, is for illustrative purposes only and forms no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



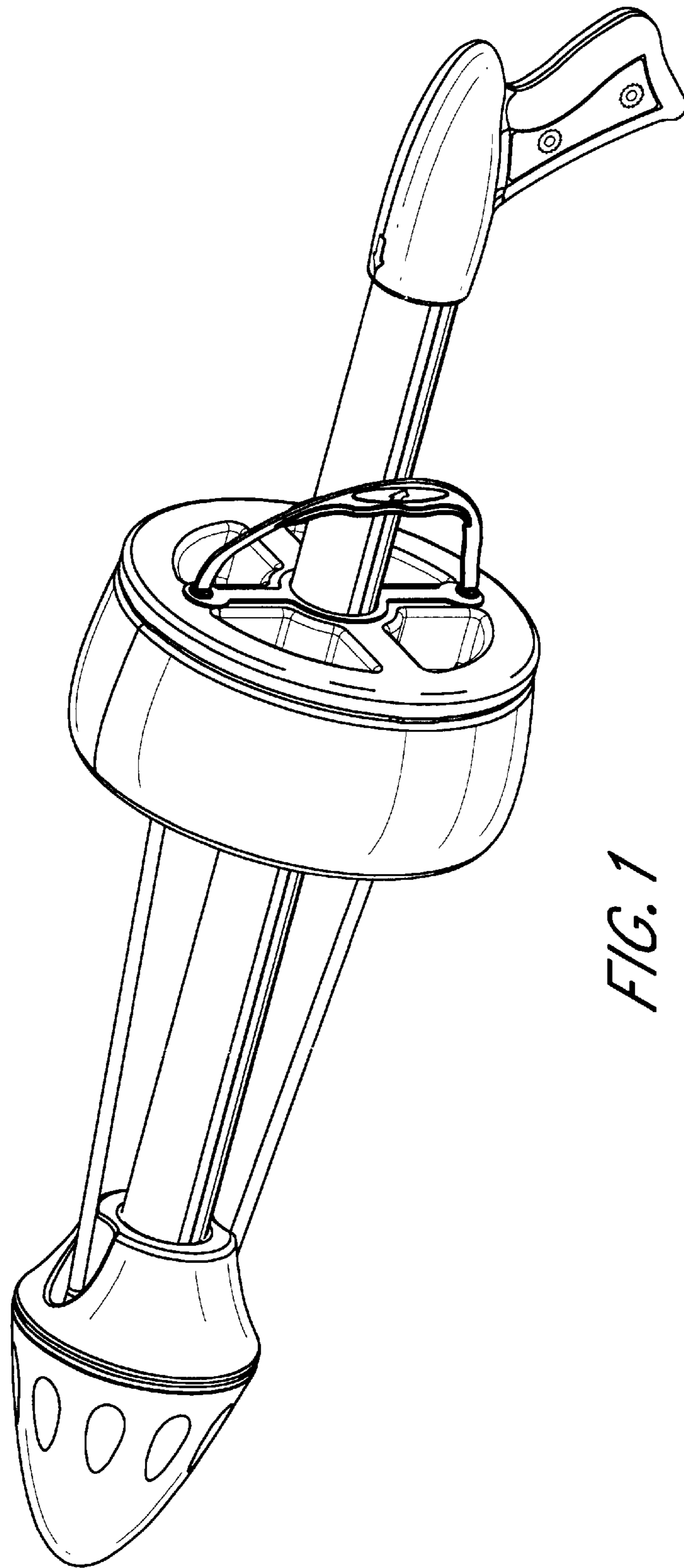


FIG. 1

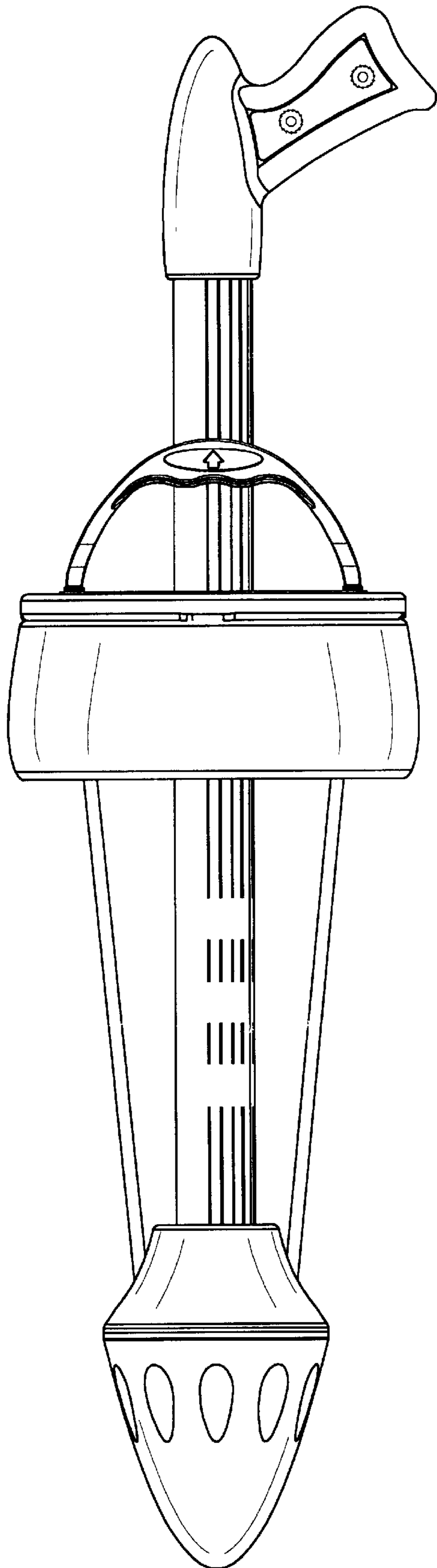


FIG. 2

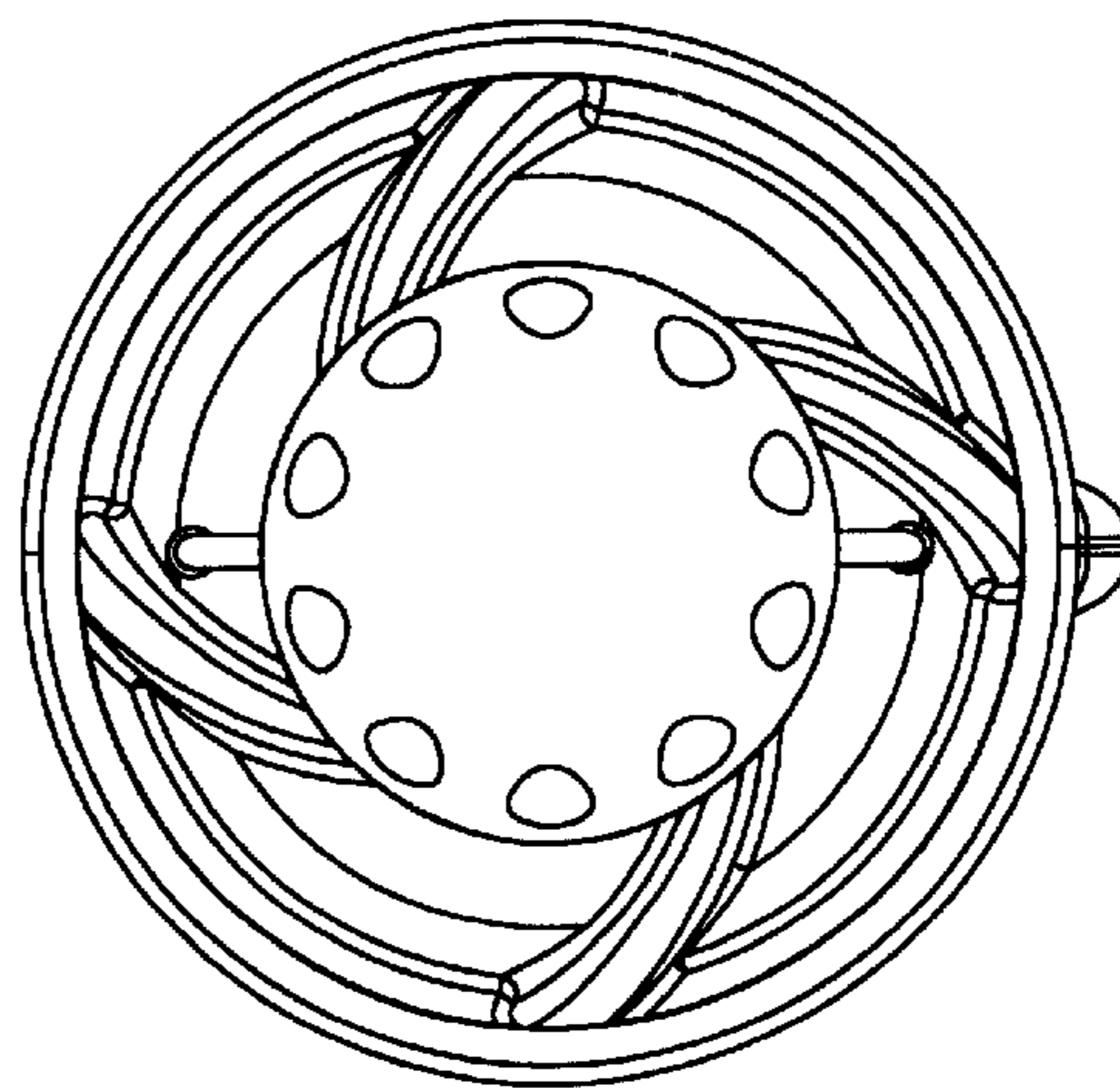


FIG. 3

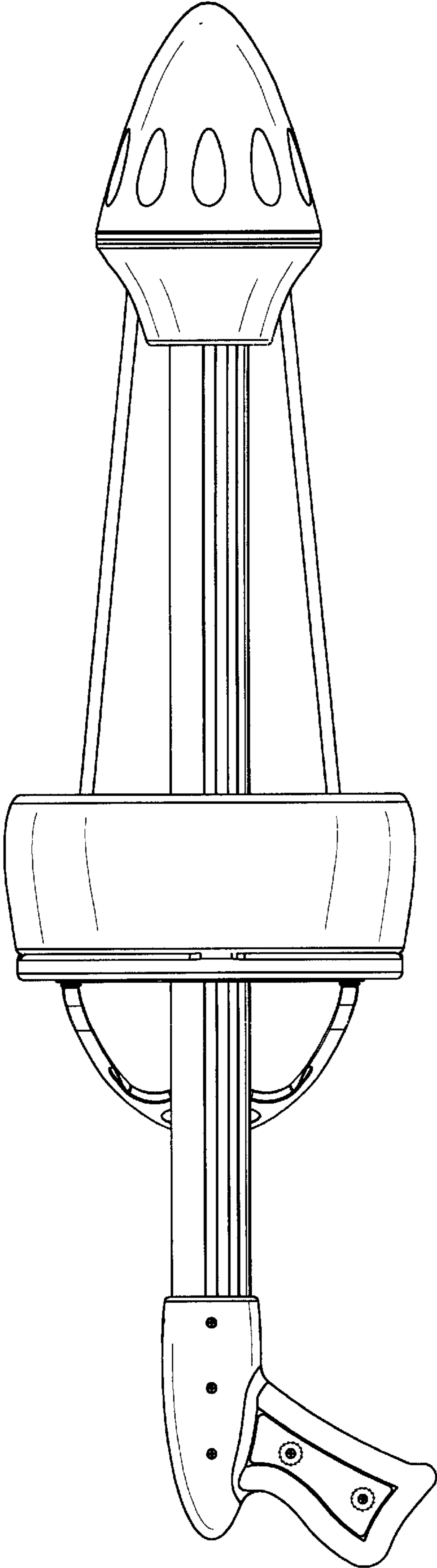


FIG. 4

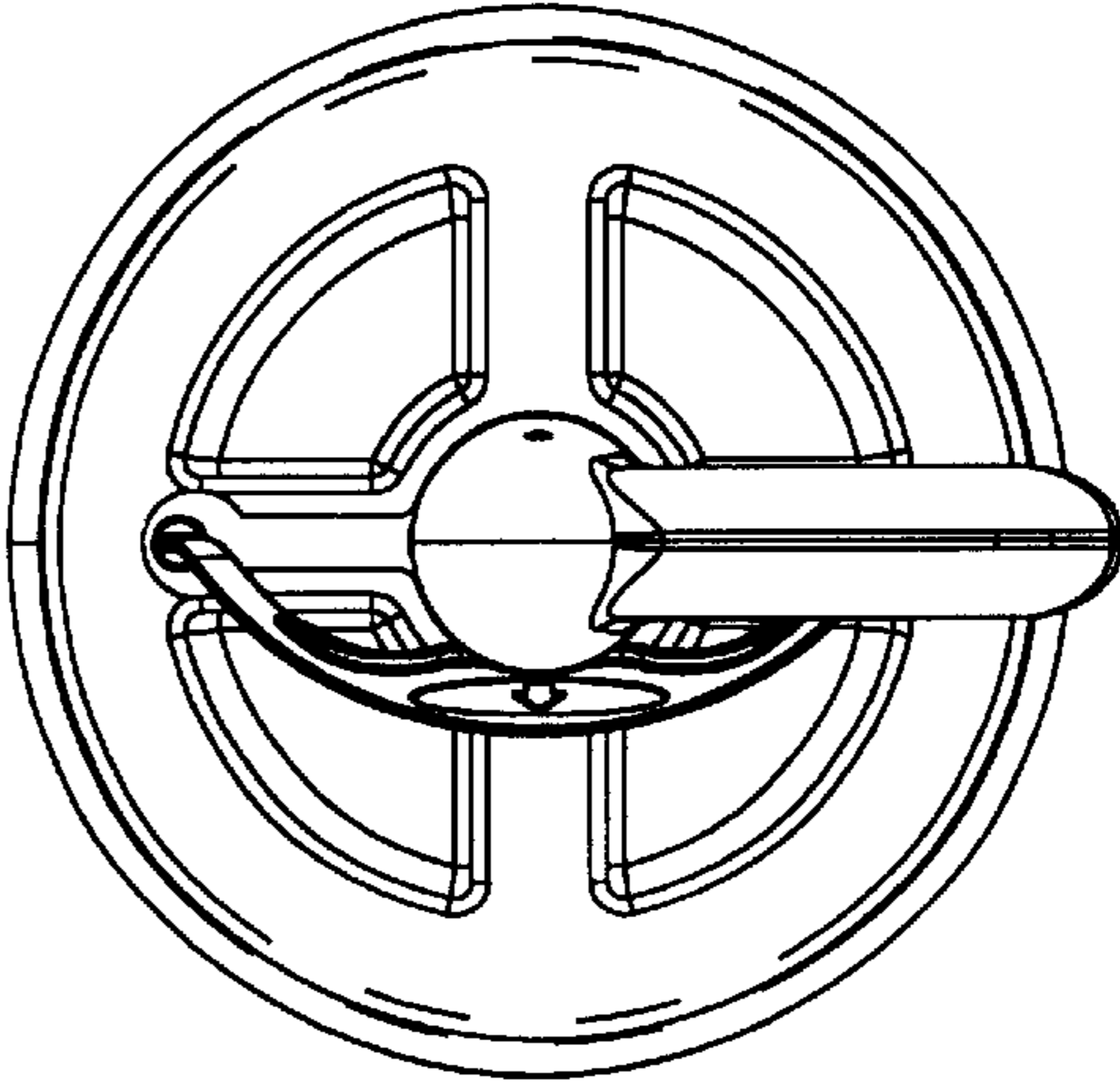


FIG. 5

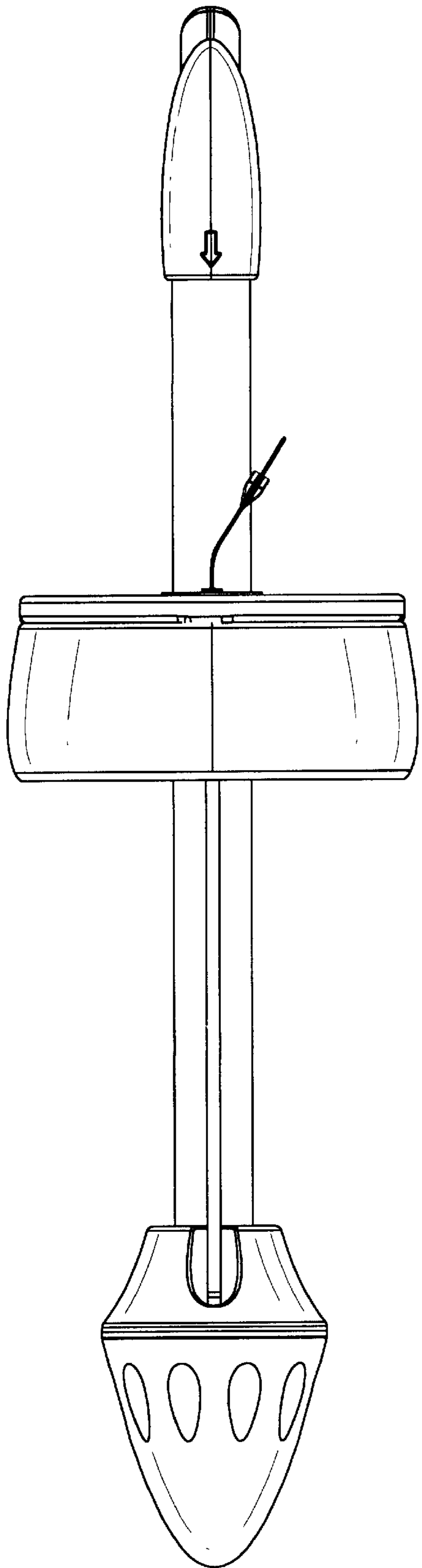


FIG. 6

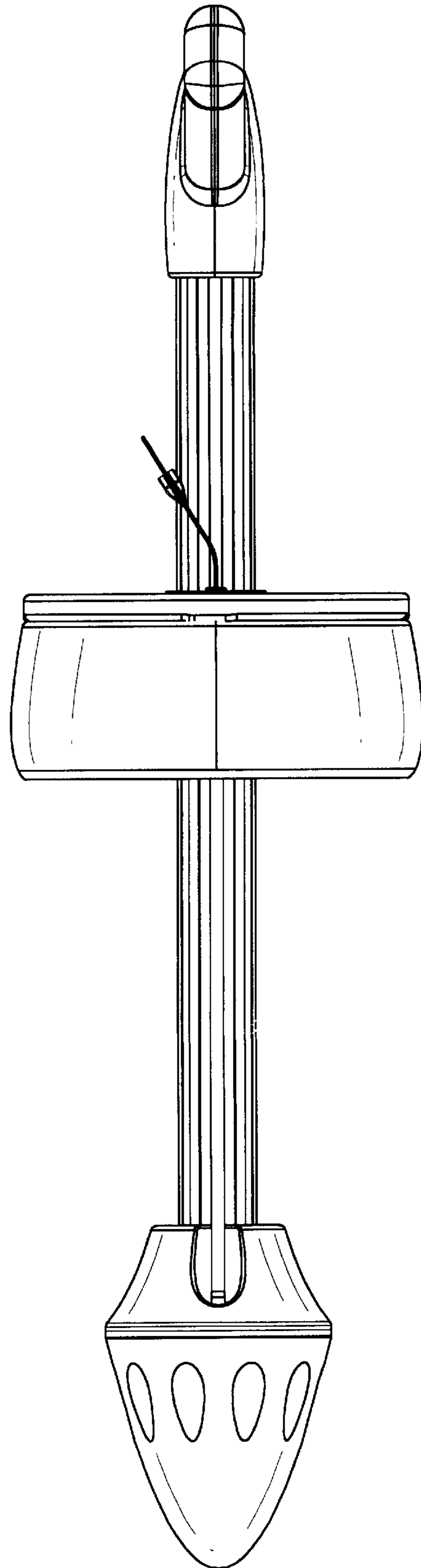


FIG. 7

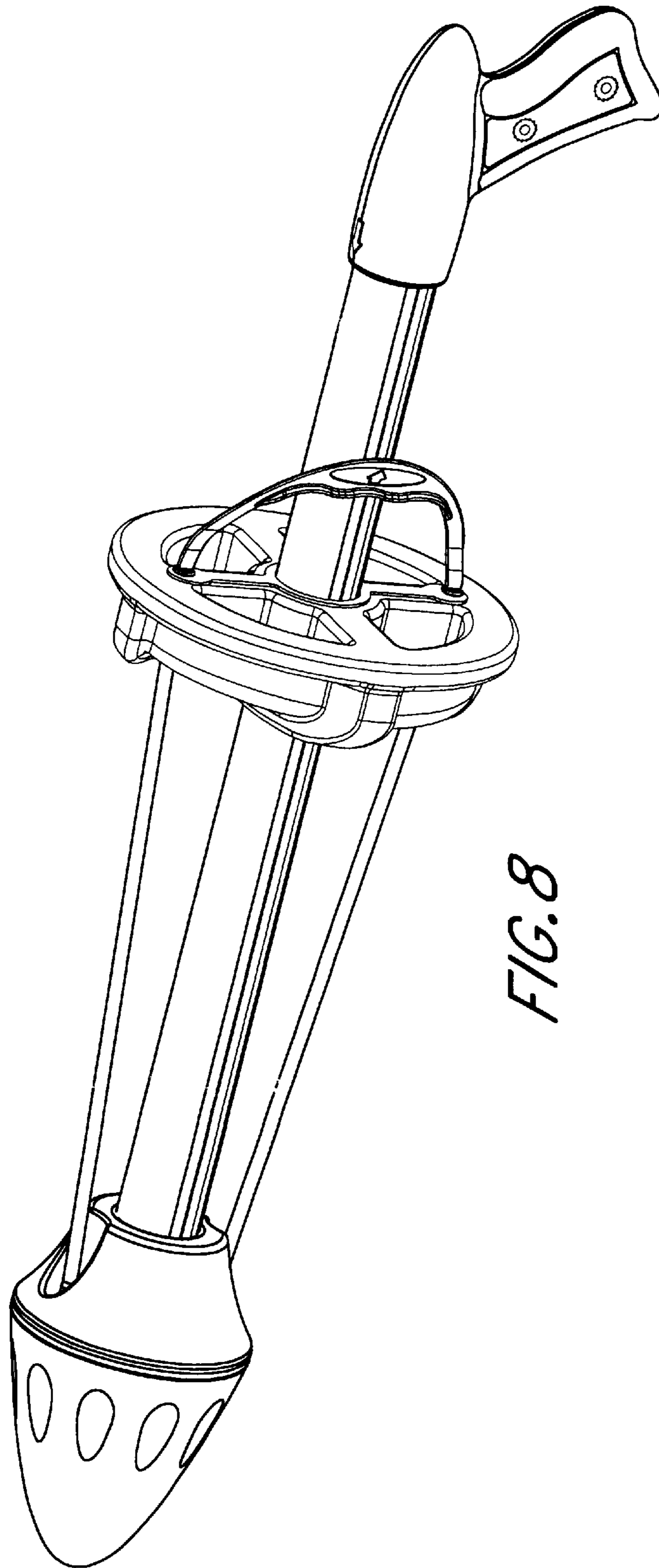


FIG. 8

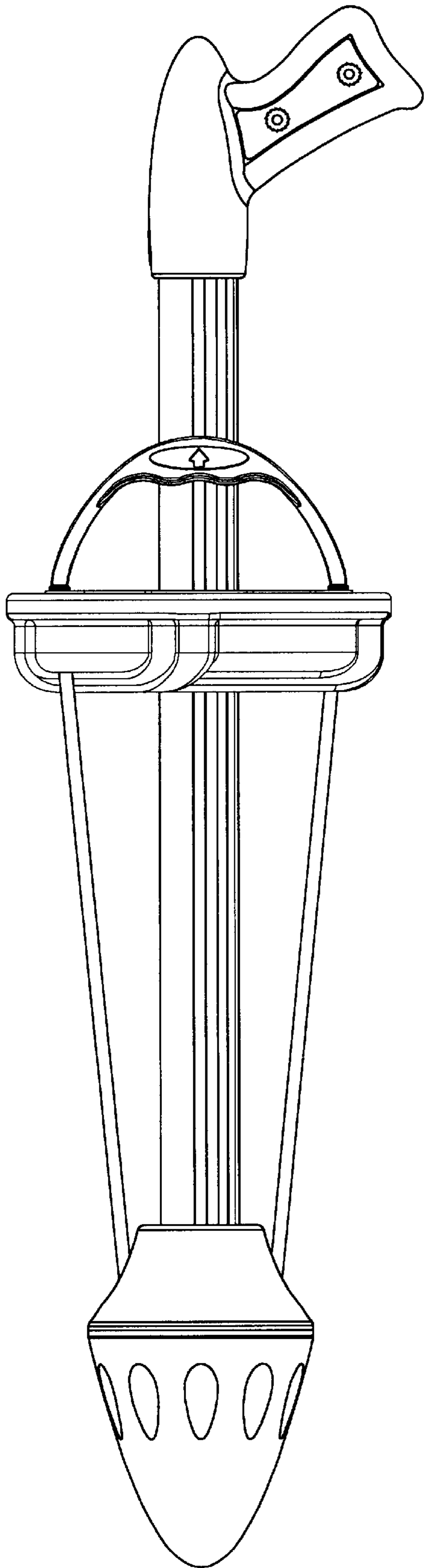


FIG. 9

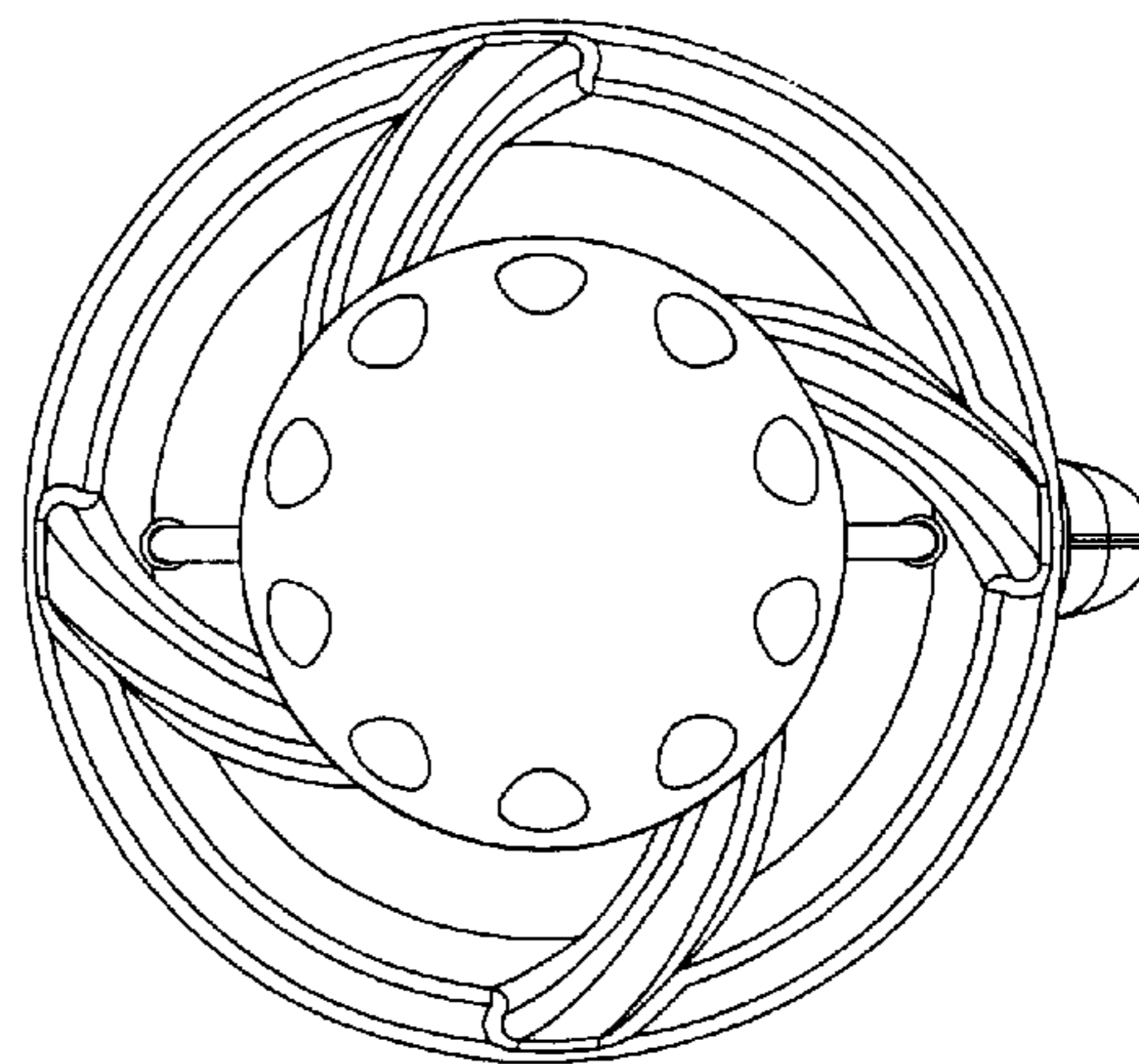


FIG. 10

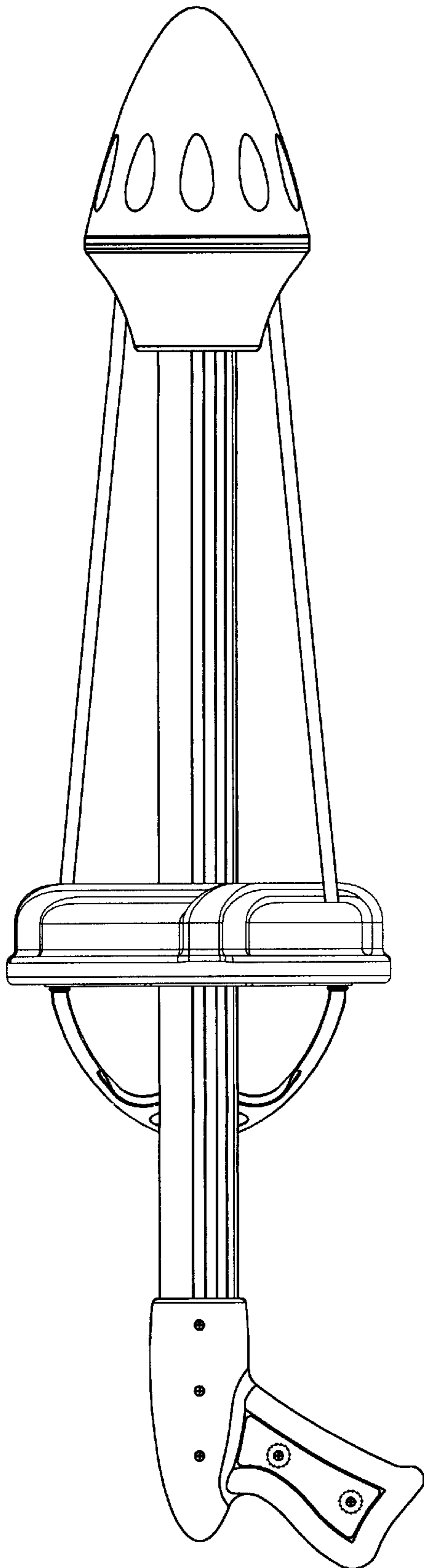


FIG. 11

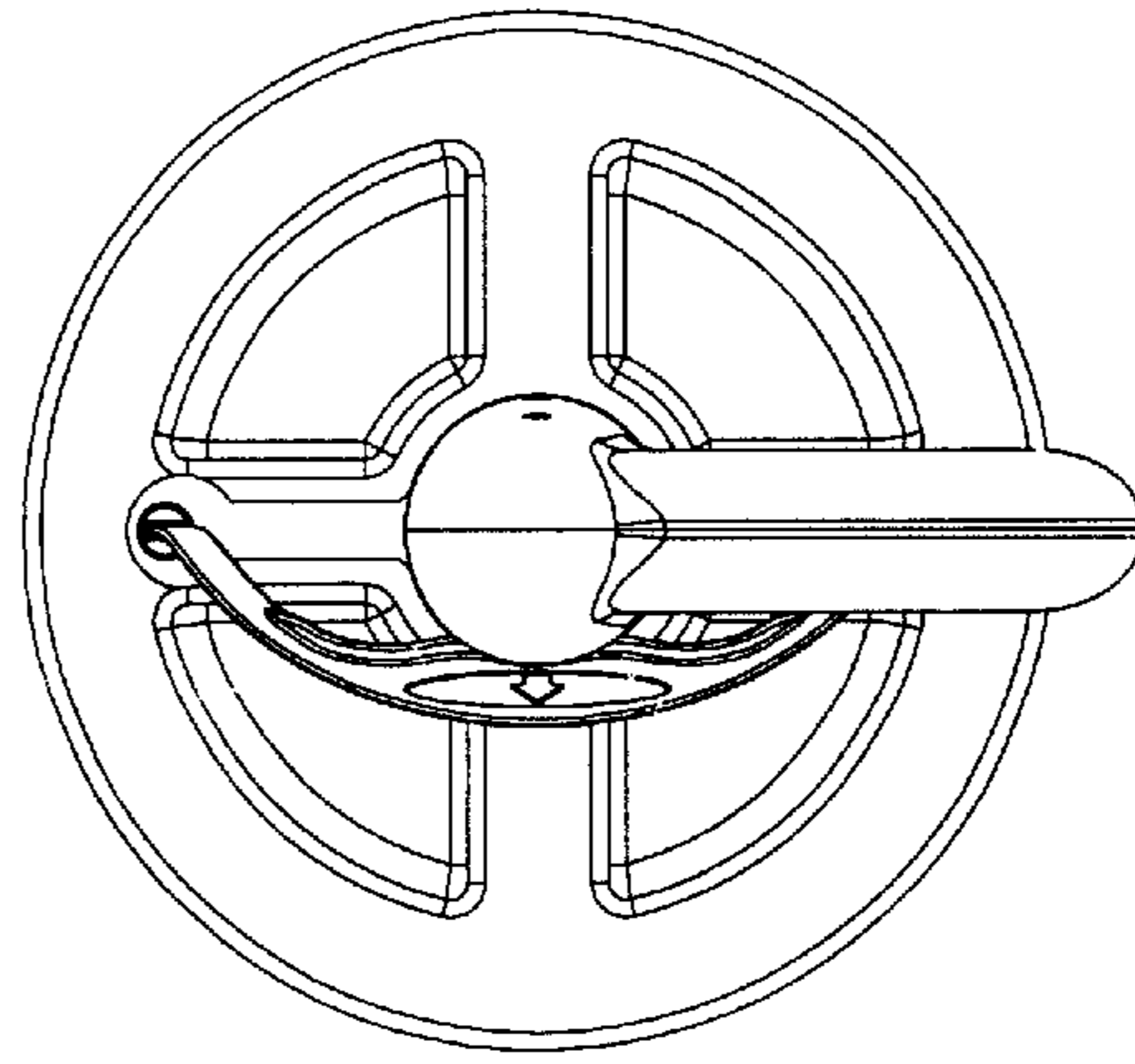
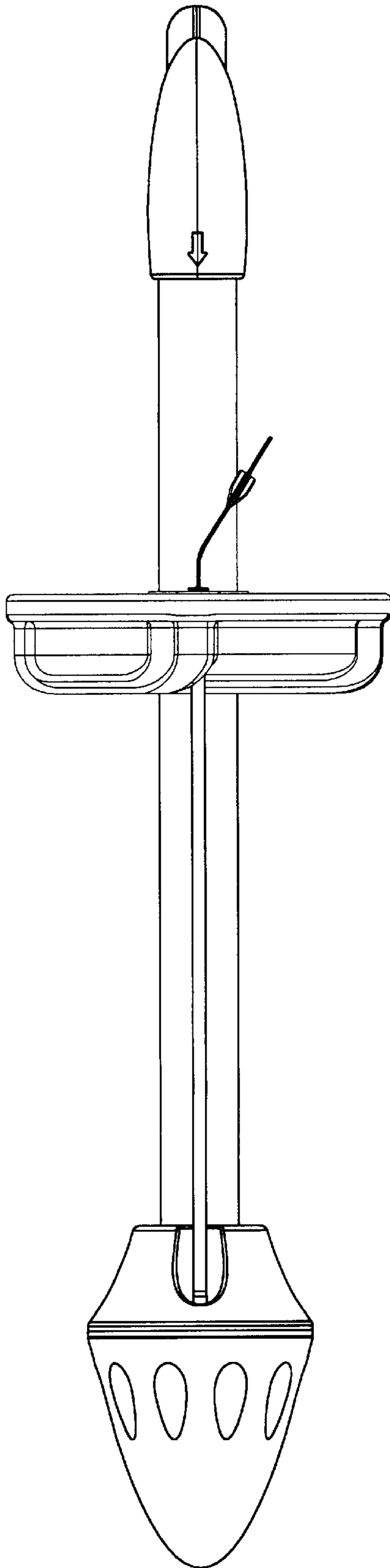
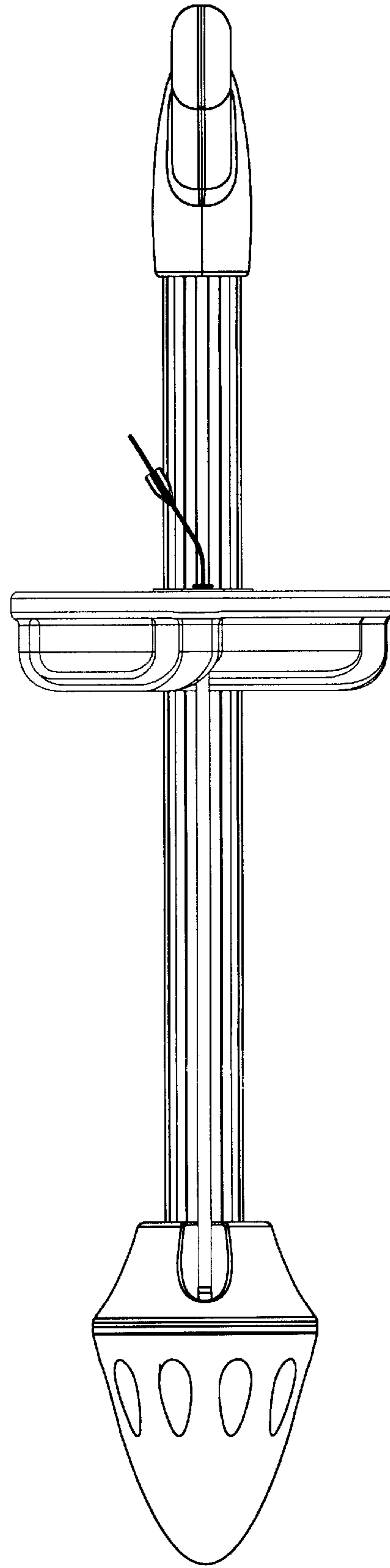


FIG. 12





*FIG. 13*



*FIG. 14*