



US00D980971S

(12) **United States Design Patent** (10) **Patent No.:** **US D980,971 S**  
**Zarins et al.** (45) **Date of Patent:** **\*\* Mar. 14, 2023**

(54) **DISTAL EXTENSION FOR A BLOOD PUMP SYSTEM**

peripheral-intervention/angiography/diagnostic-peripheral-catheters/performa-vessel-sizing-catheters/ (Year: 2022).\*

(Continued)

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*Assistant Examiner* — Gilbert B Ford

(72) Inventors: **Christopher Zarins**, Danvers, MA (US); **Alexander Ship**, Danvers, MA (US); **Zhenghong Tao**, Danvers, MA (US)

(57) **CLAIM**

(73) Assignee: **ABIOMED, INC.**, Danvers, MA (US)

The ornamental design for a distal extension for a blood pump system, as shown and described.

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

**DESCRIPTION**

(21) Appl. No.: **29/808,025**

(22) Filed: **Sep. 16, 2021**

(51) **LOC (14) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/112**

(58) **Field of Classification Search**  
USPC ..... D24/112–114, 133, 127–131, 140, 146,  
D24/186, 108, 152, 156, 176

(Continued)

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[Site seen Oct. 26, 2022], seen at URL: <https://www.merit.com/>

FIG. 1 is a top, rear, right side perspective view of a distal extension for a blood pump system according to a first embodiment of our new design;  
FIG. 2 is a right side elevation view thereof;  
FIG. 3 is a left side elevation view thereof;  
FIG. 4 is a rear side elevation view thereof;  
FIG. 5 is a front side elevation view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof;  
FIG. 8 is a bottom, front, left side perspective view thereof;  
FIG. 9 is a top, rear, right side perspective view of a second embodiment thereof;  
FIG. 10 is a right side elevation view of FIG. 9;  
FIG. 11 is a left side elevation view of FIG. 9;  
FIG. 12 is a rear side elevation view of FIG. 9;  
FIG. 13 is a front side elevation view of FIG. 9;  
FIG. 14 is a top plan view of FIG. 9;  
FIG. 15 is a bottom plan view of FIG. 9;  
FIG. 16 is a top, rear, right side perspective view of a third embodiment thereof;  
FIG. 17 is a right side elevation view of FIG. 16;  
FIG. 18 is a left side elevation view of FIG. 16;  
FIG. 19 is a rear side elevation view of FIG. 16;  
FIG. 20 is a front side elevation view of FIG. 16;  
FIG. 21 is a top plan view of FIG. 16; and,  
FIG. 22 is a bottom plan view of FIG. 16.

The dot-dash broken lines represent boundaries of the claimed design and form no part thereof. All other broken

(Continued)



lines illustrate portions of the distal extension for a blood pump system that form no part of the claimed design.

**1 Claim, 13 Drawing Sheets**

(58) **Field of Classification Search**

CPC .... A61M 25/0108; A61M 2025/09166; A61M 2025/0095; A61M 25/0102

See application file for complete search history.

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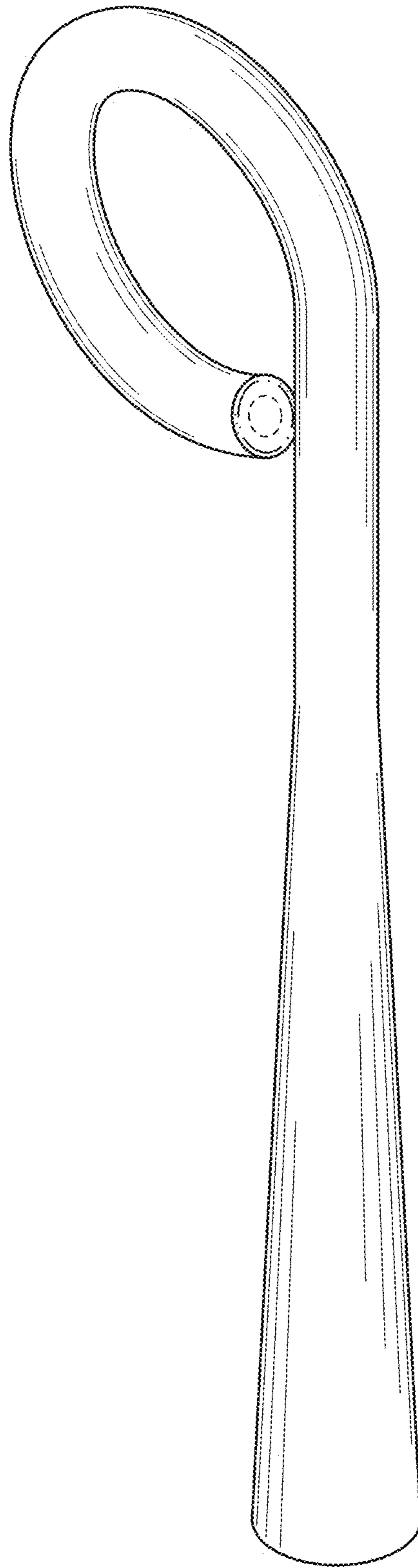


FIG. 1

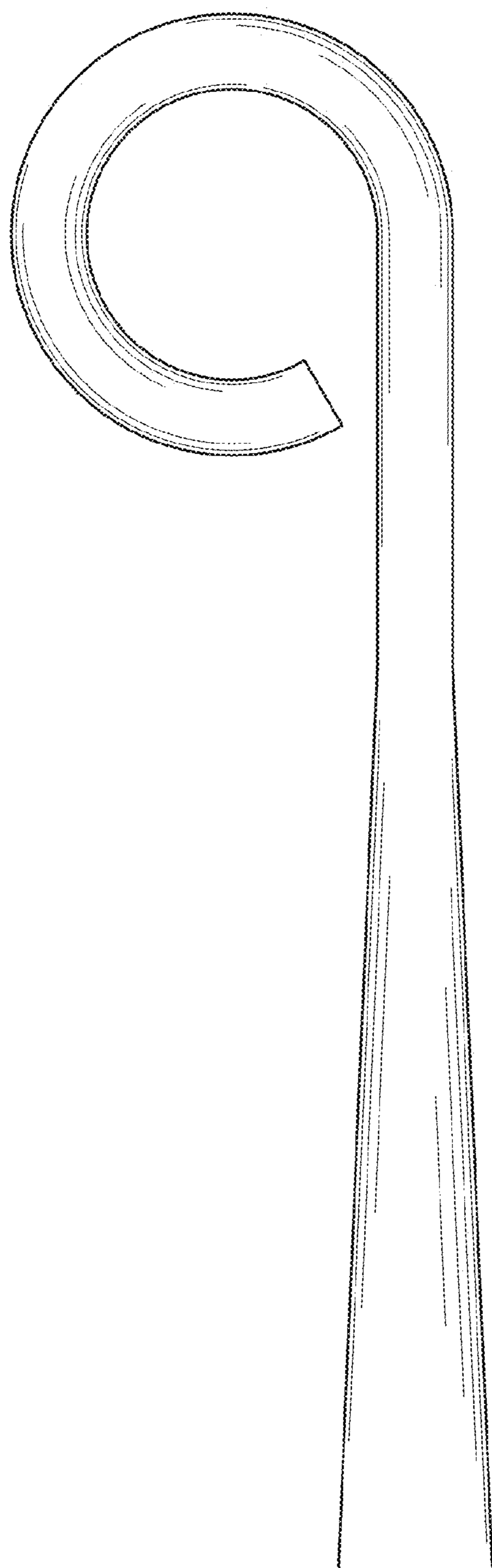


FIG. 2

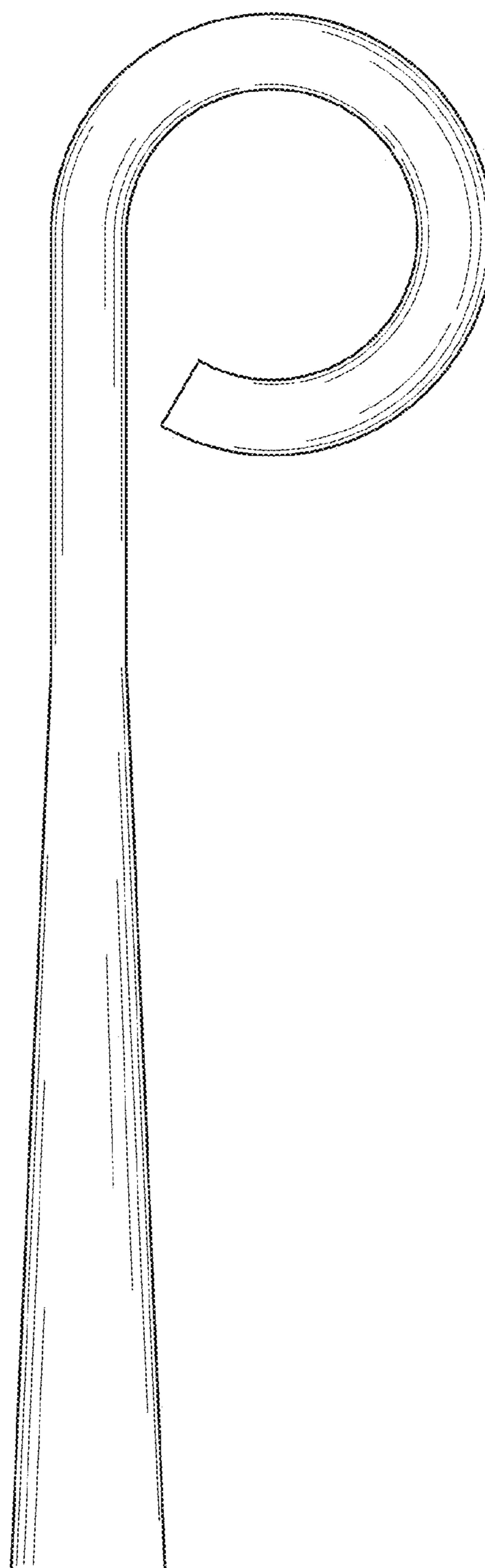


FIG. 3

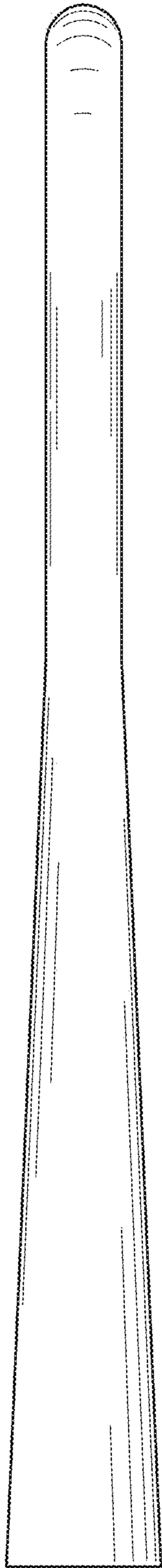


FIG. 4

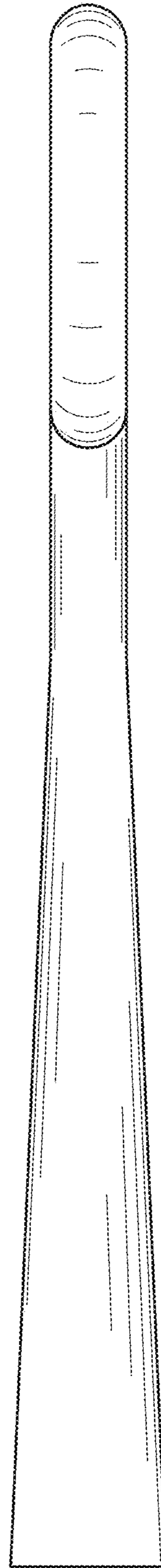


FIG. 5



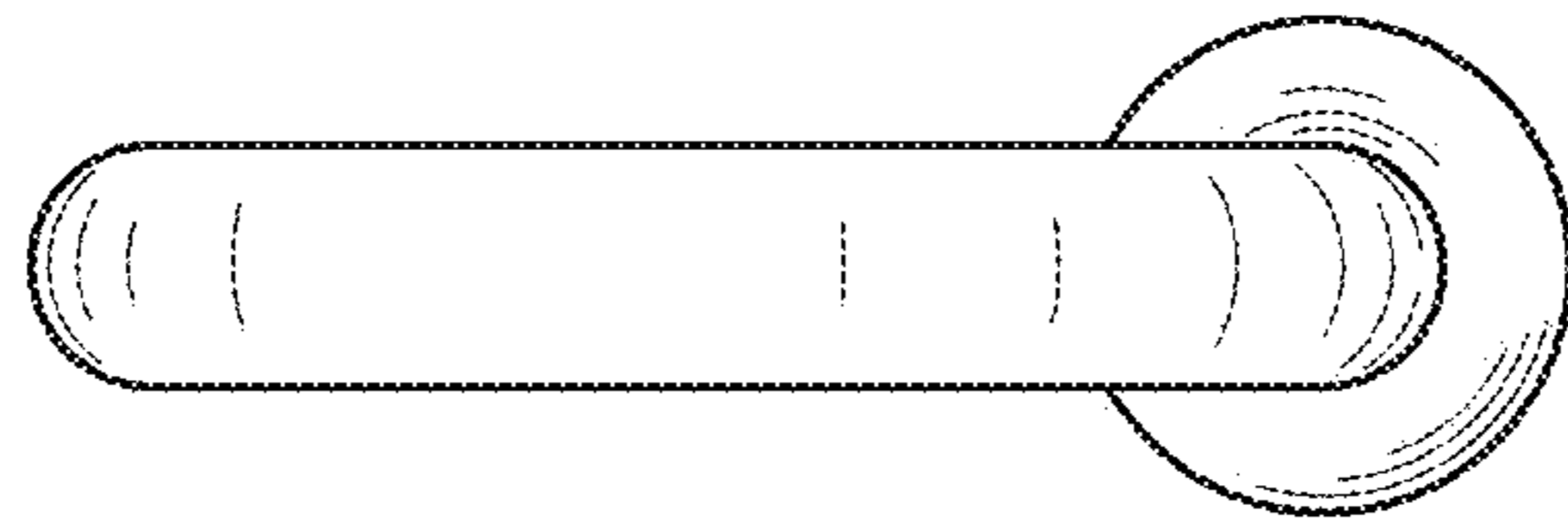


FIG. 6

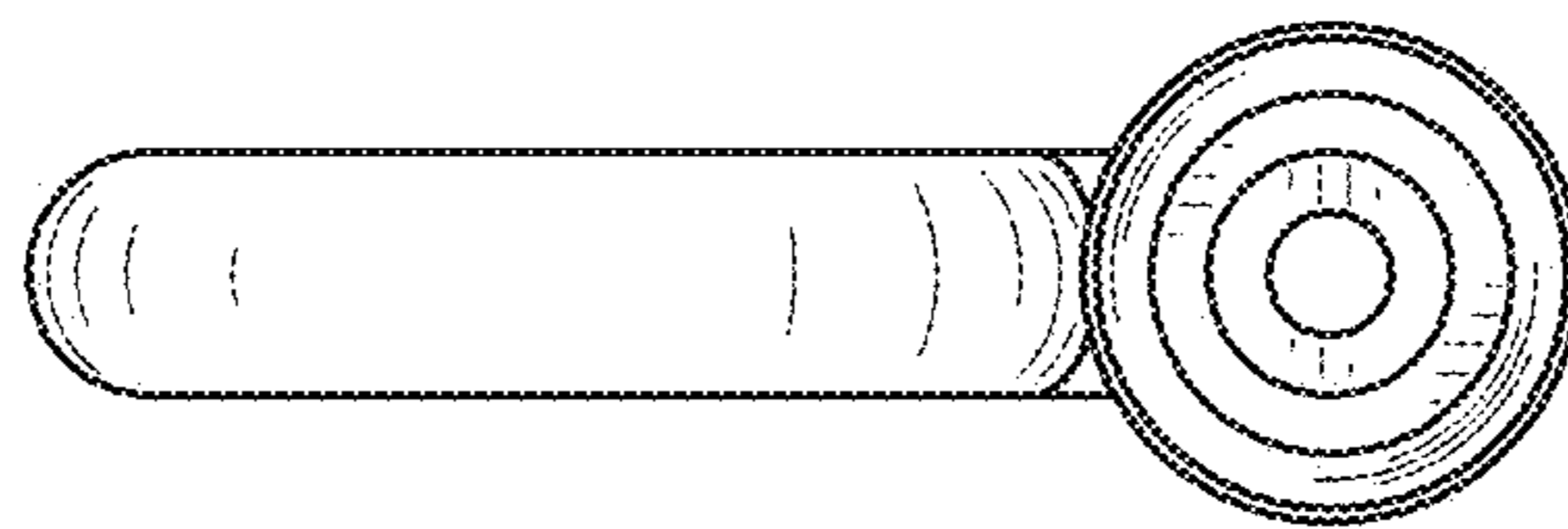


FIG. 7

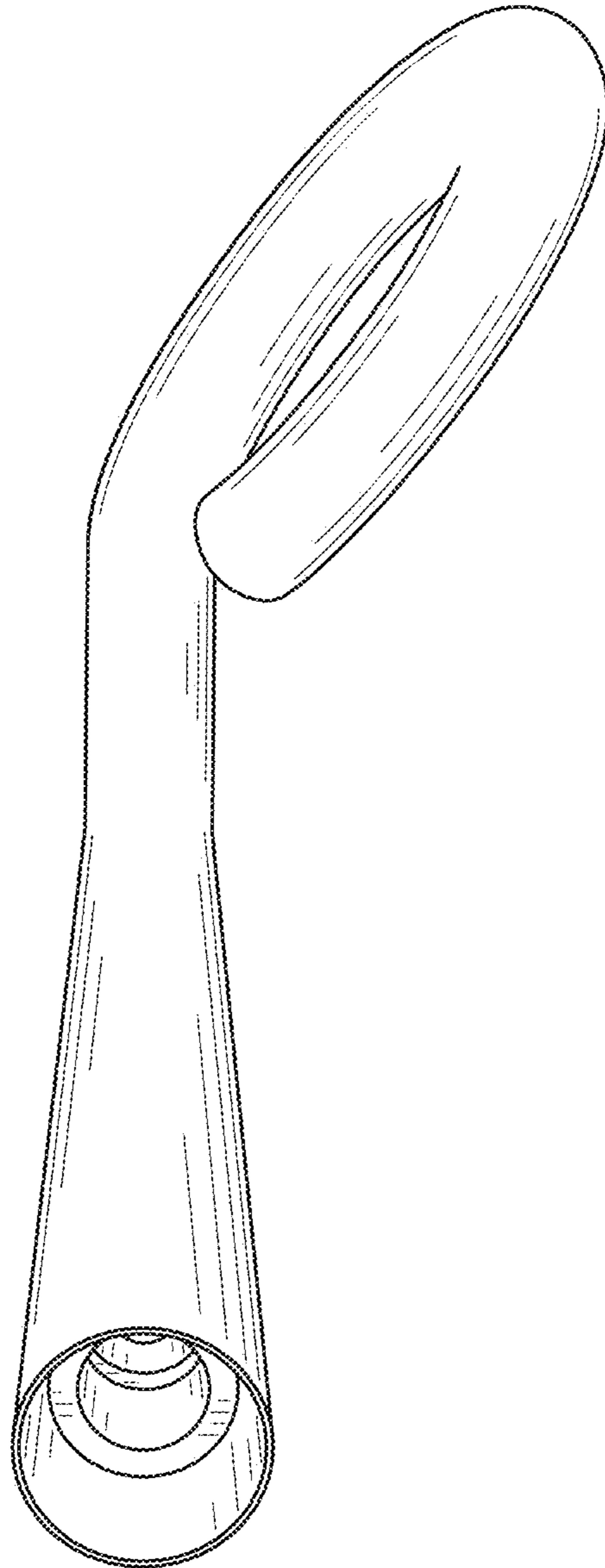


FIG. 8

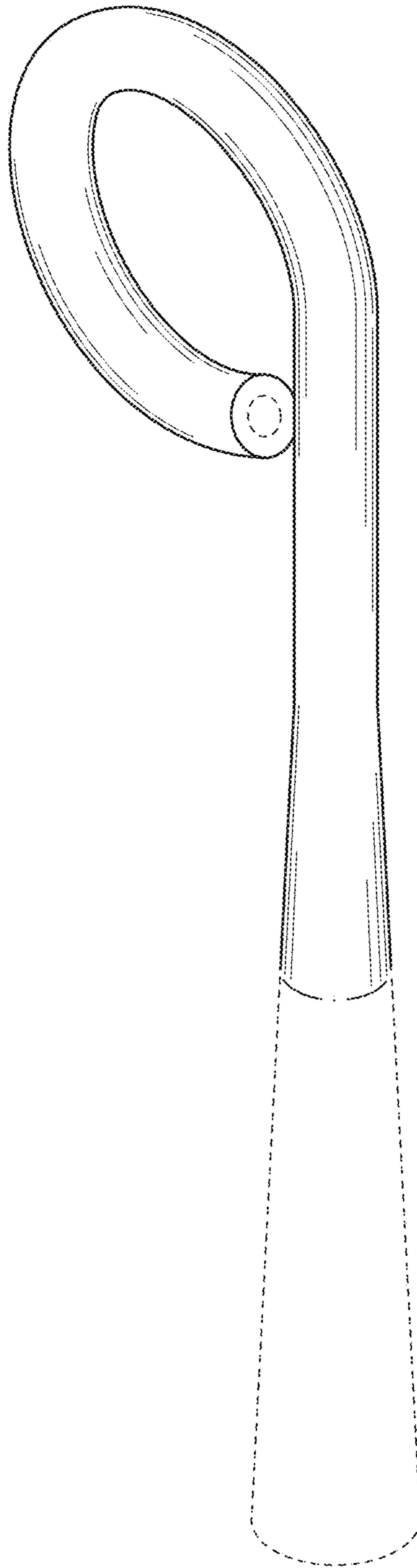


FIG. 9



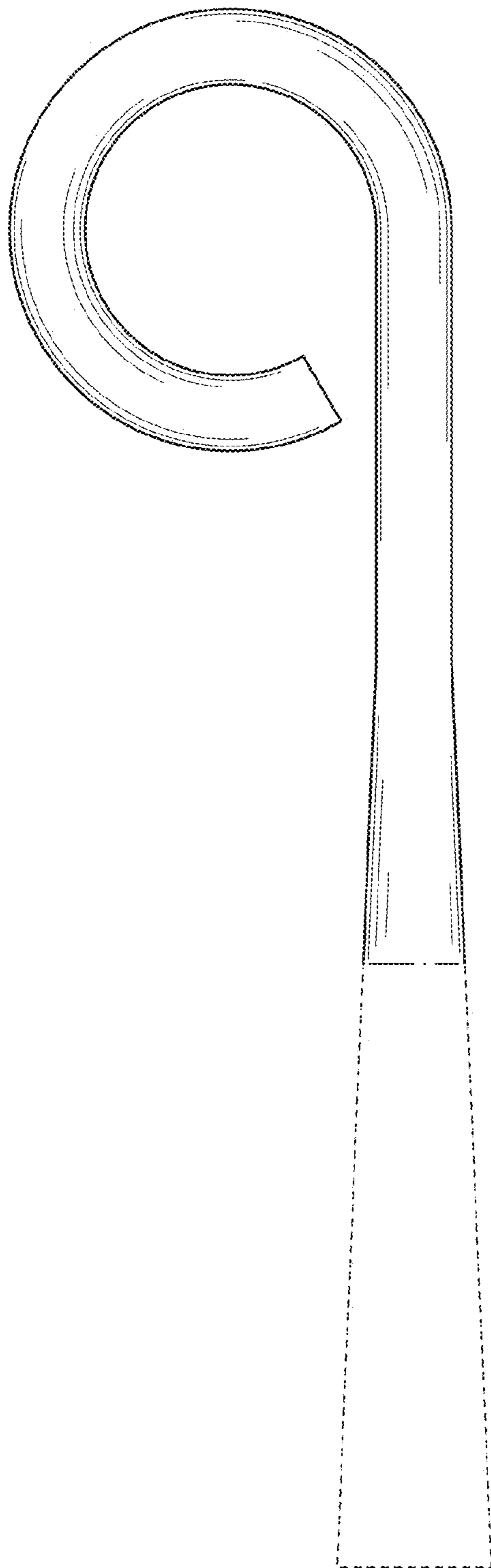


FIG. 10

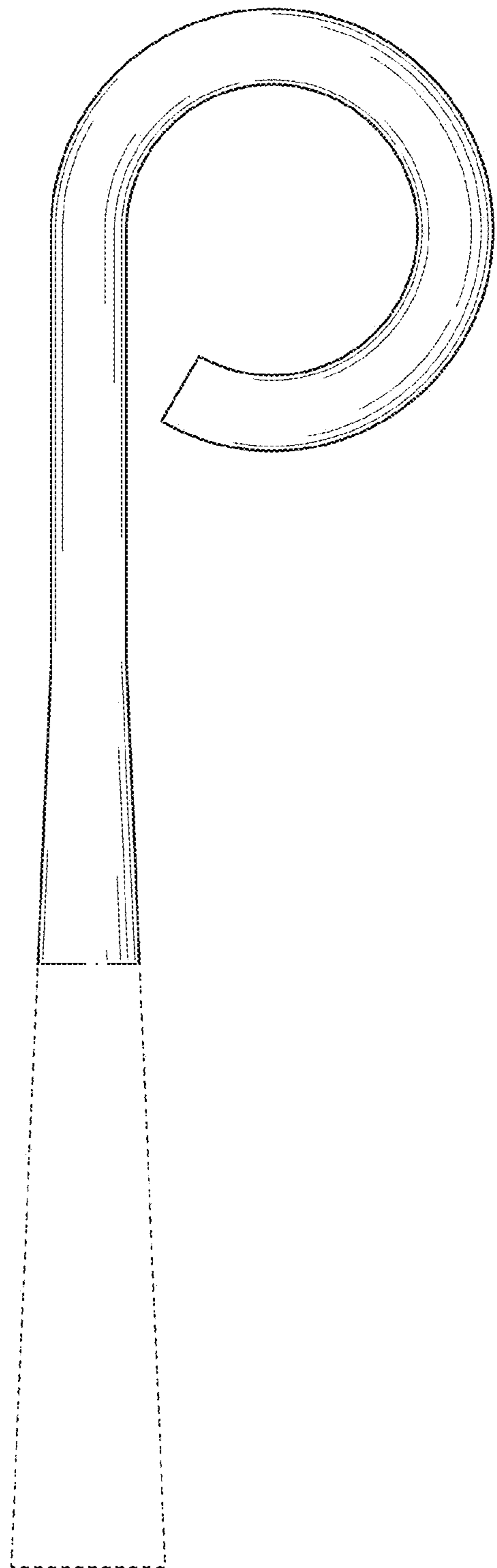


FIG. 11

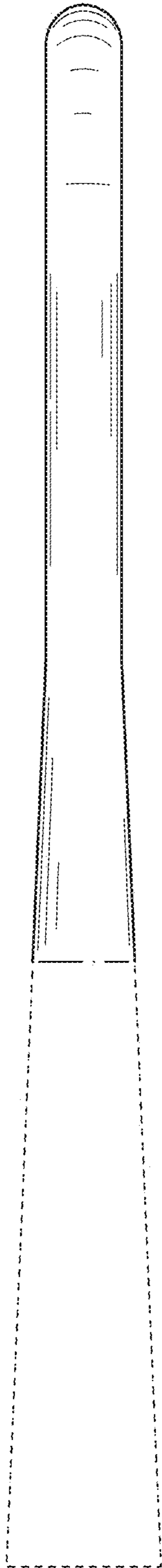


FIG. 12

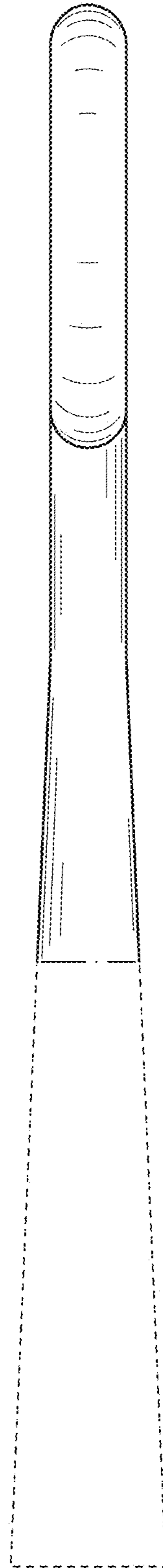


FIG. 13

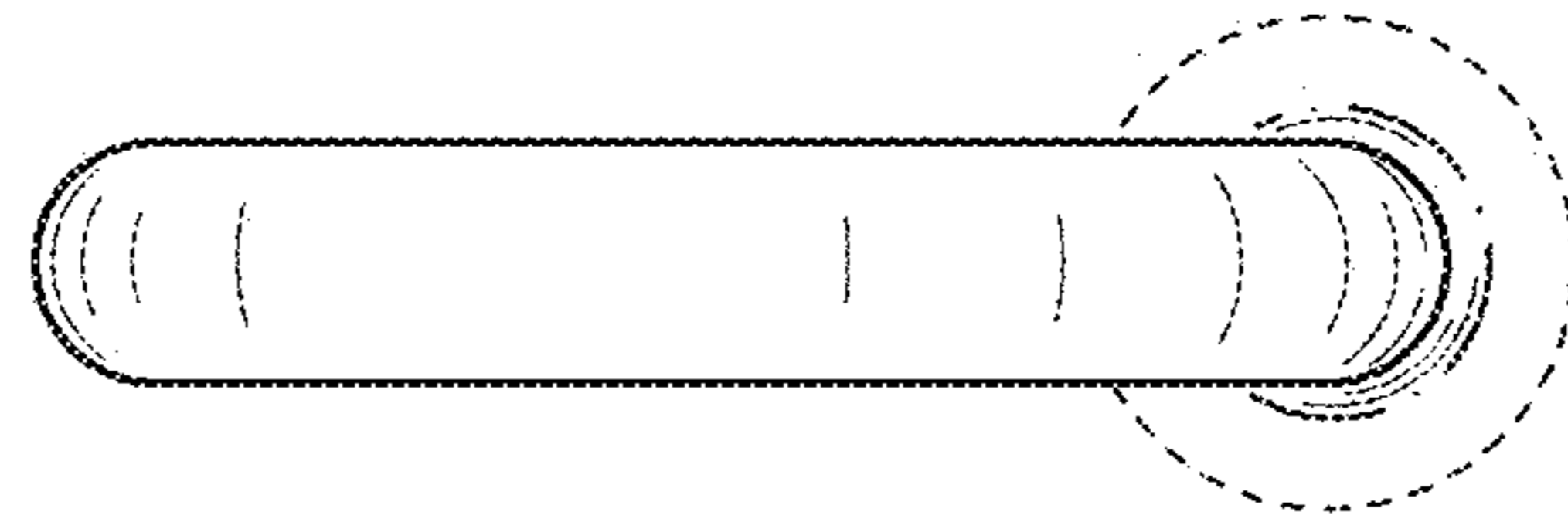


FIG. 14

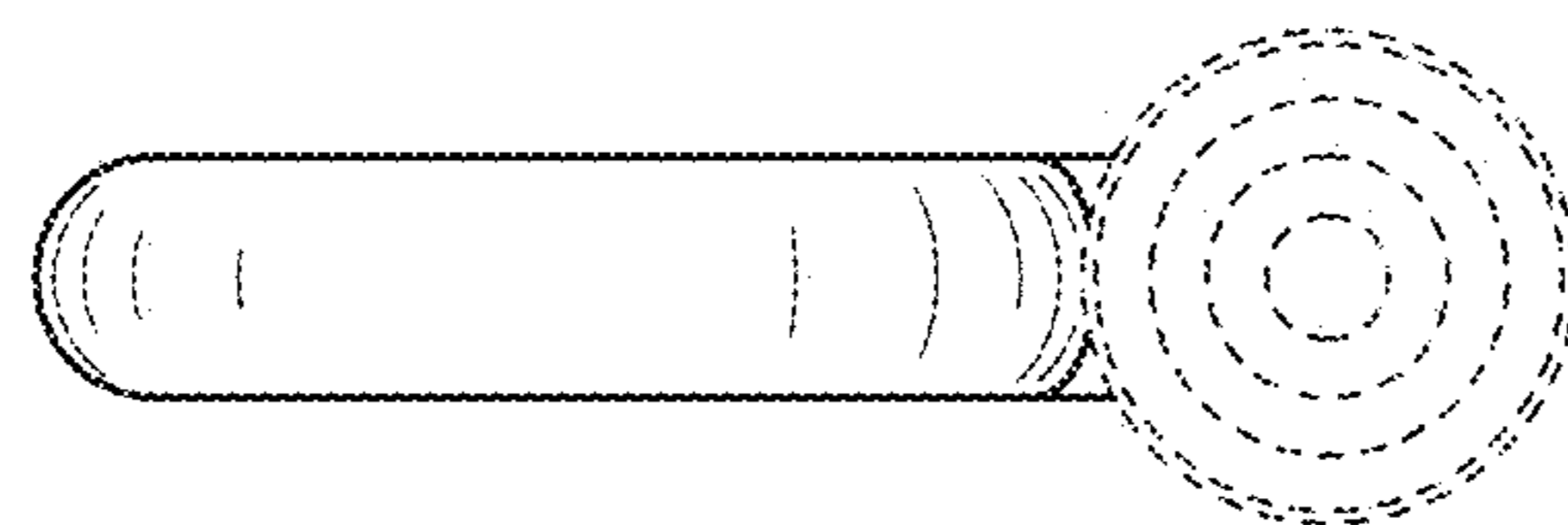


FIG. 15

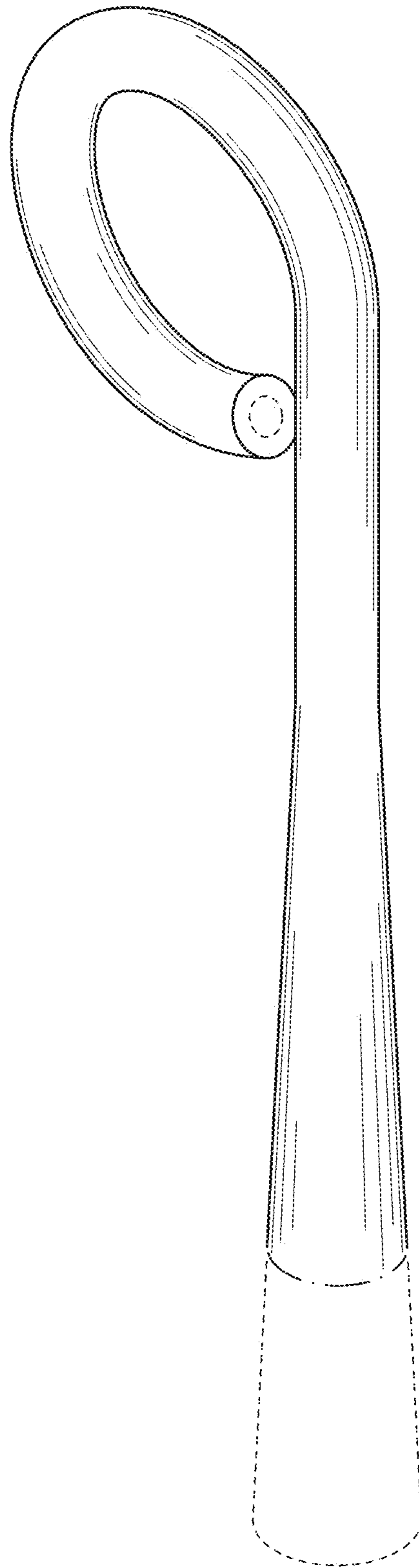


FIG. 16

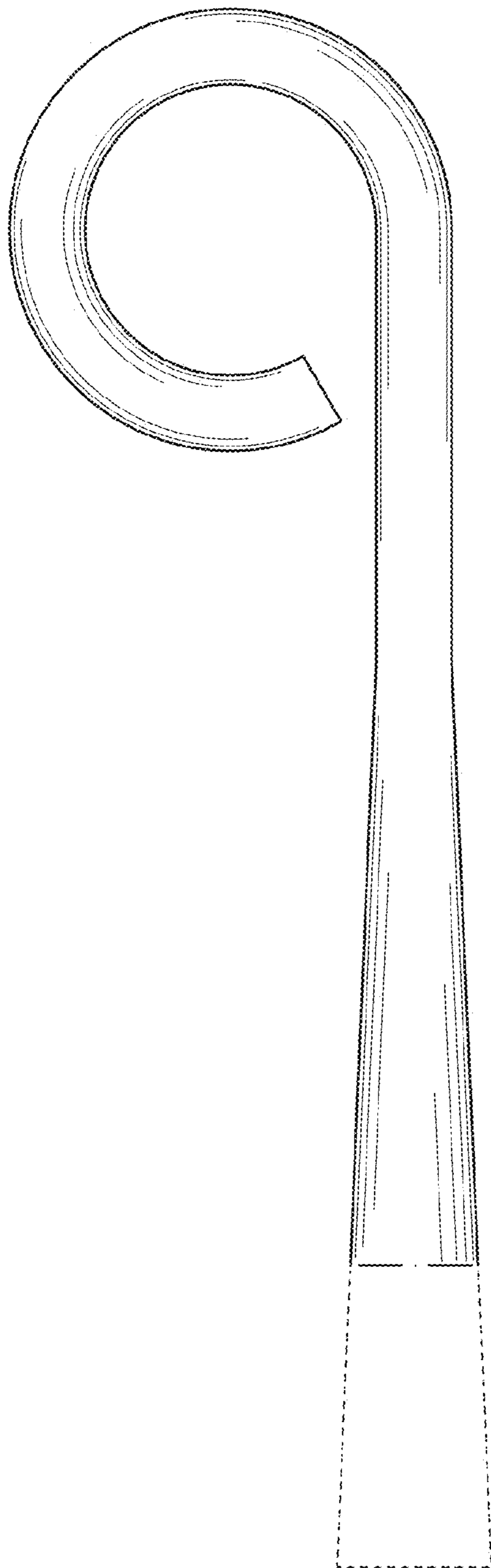


FIG. 17

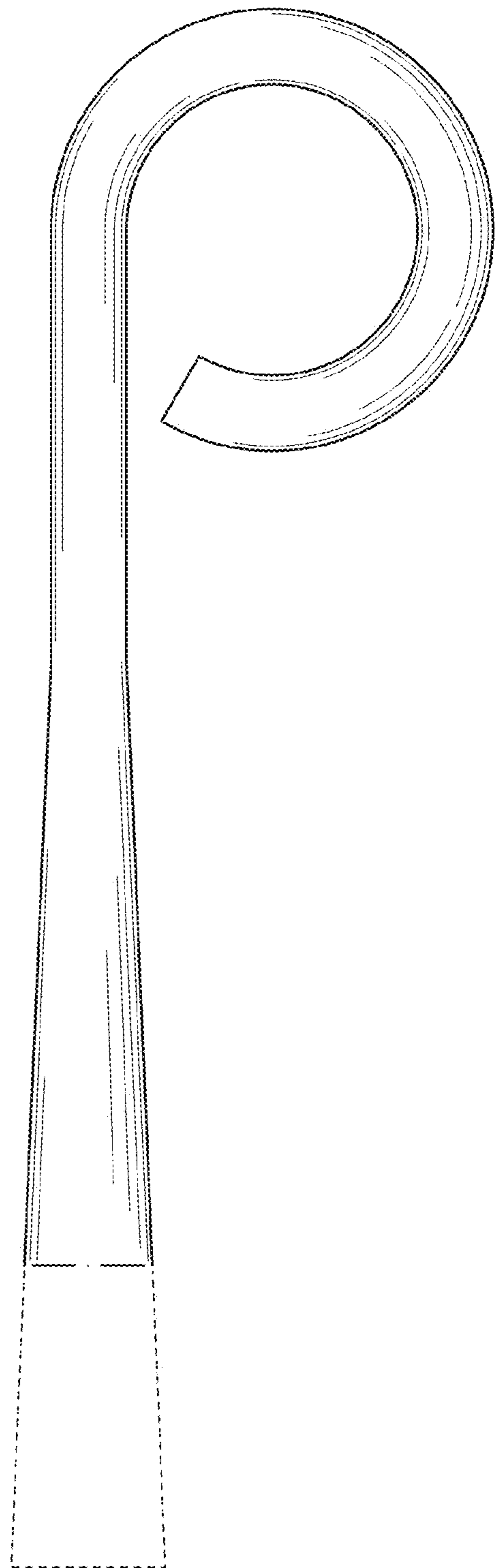


FIG. 18

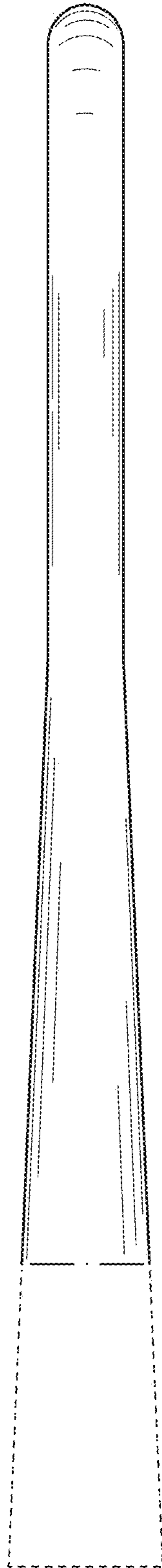


FIG. 19

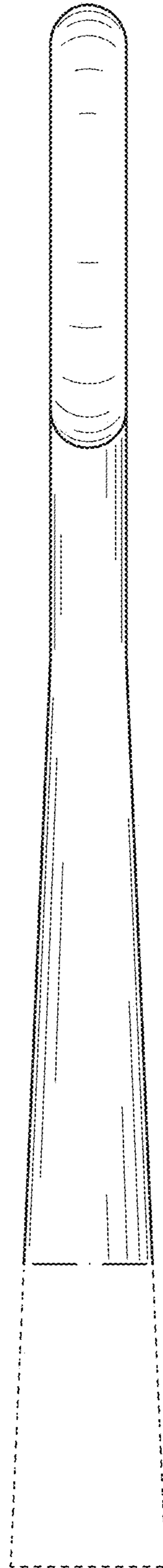


FIG. 20



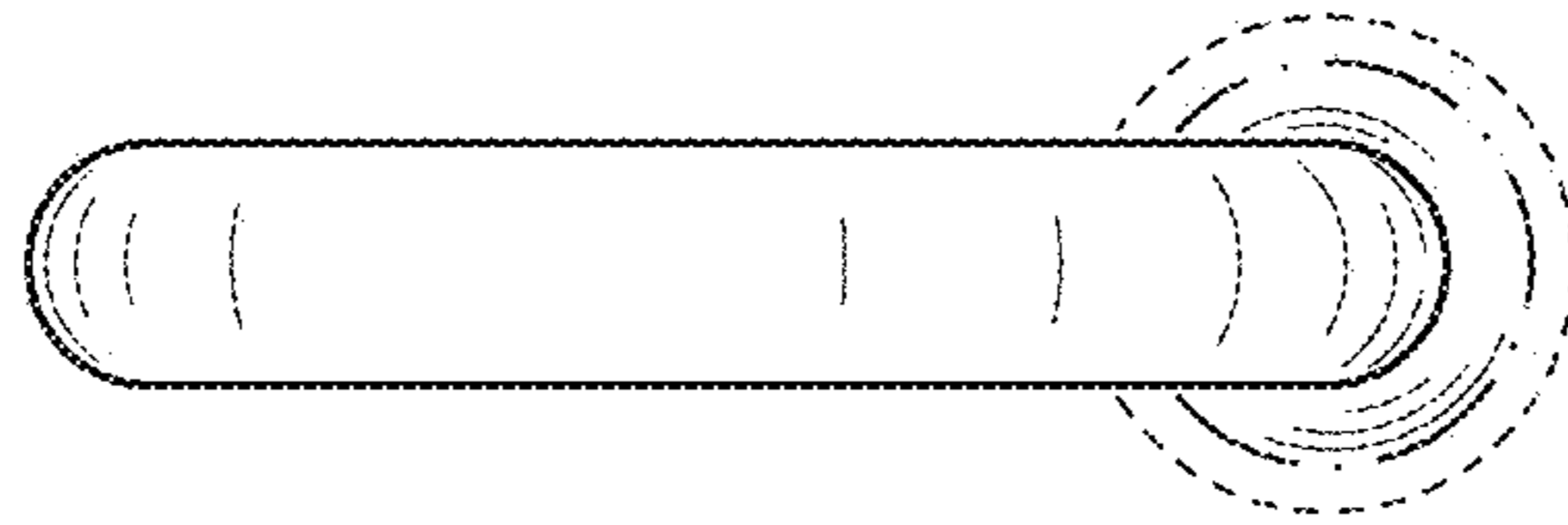


FIG. 21

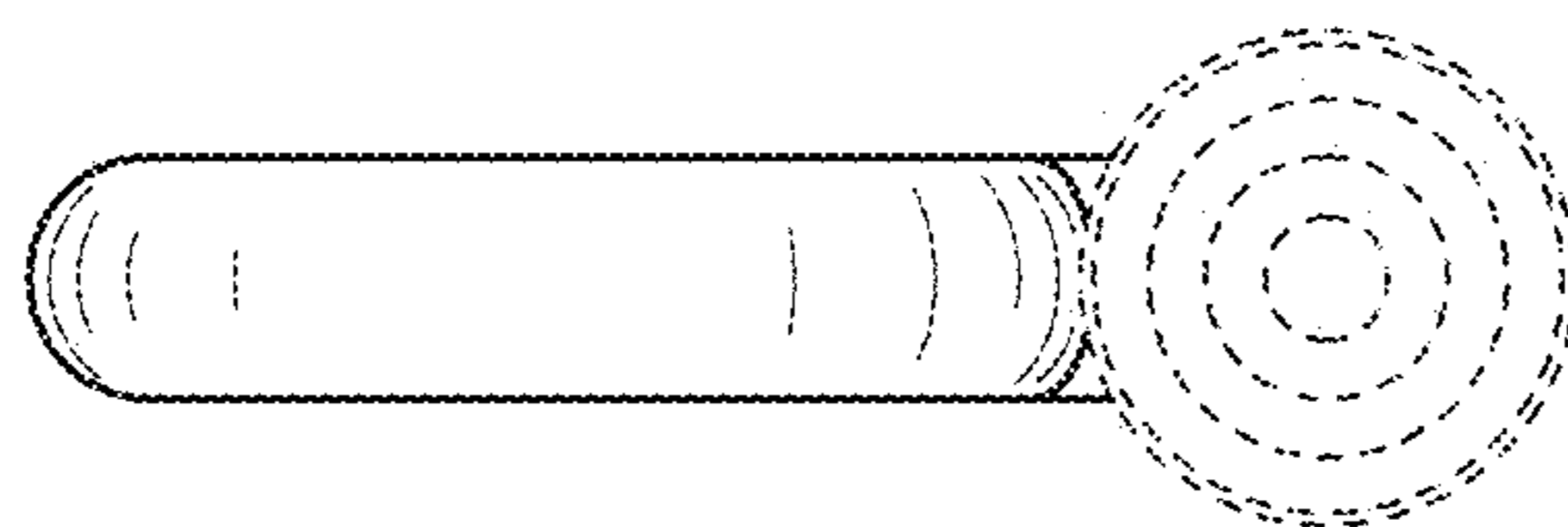


FIG. 22