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(12) **United States Design Patent** (10) **Patent No.:** **US D877,328 S**  
**Alsiddiky et al.** (45) **Date of Patent:** **\*\* Mar. 3, 2020**

(54) **RETRACTOR WITH SUCTION FOR ORTHOPEDIC SURGERY**

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(73) Assignee: **King Saud University**, Riyadh (SA)

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

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(51) **LOC (12) Cl.** ..... **24-02**

(52) **U.S. Cl.**  
USPC ..... **D24/135**

(58) **Field of Classification Search**  
USPC ..... D24/133, 135, 144  
CPC ..... A61M 1/008; A61B 17/0206; A61B 1/12;  
A61B 1/32; A61C 17/08

See application file for complete search history.

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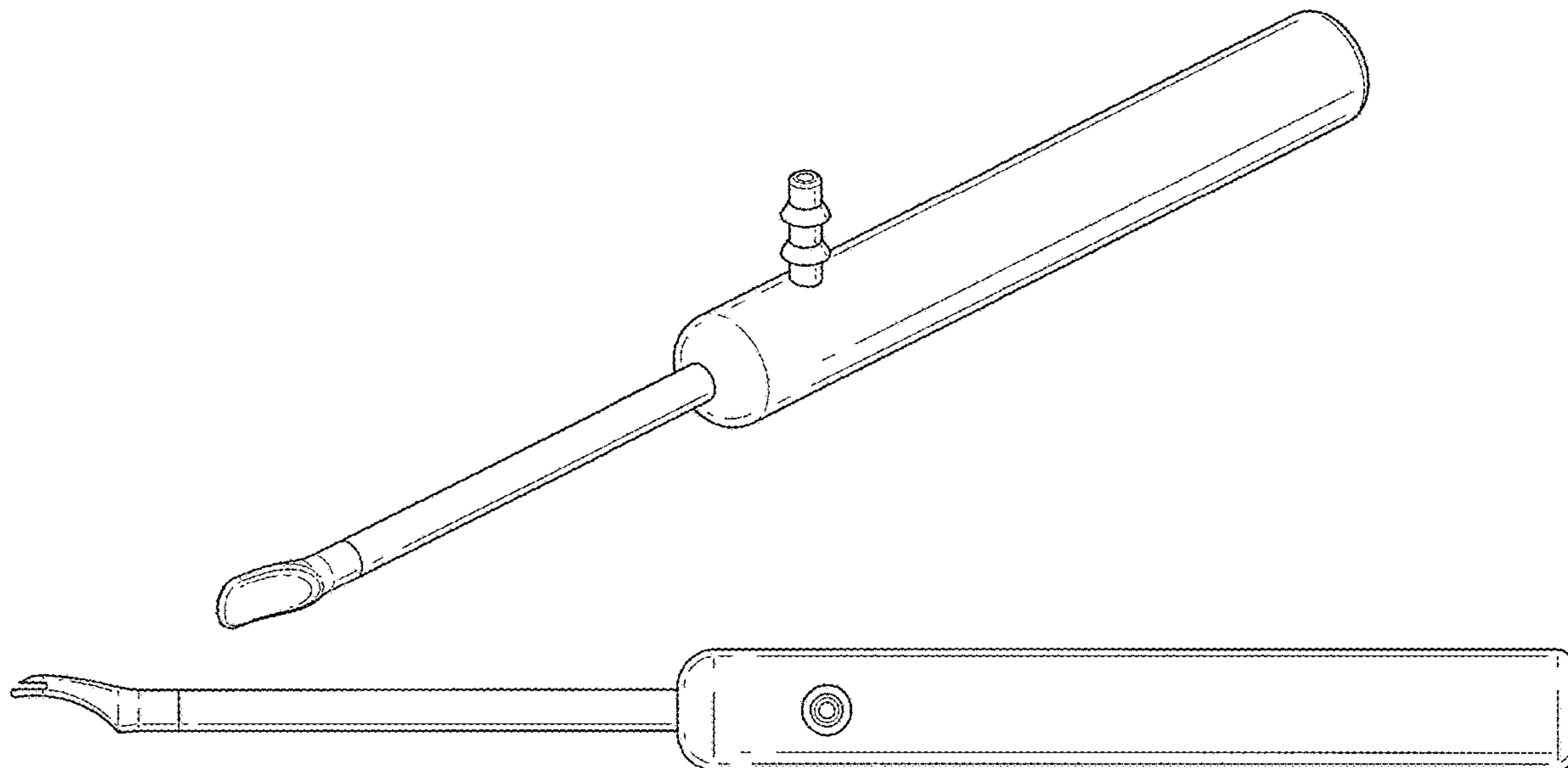
(57) **CLAIM**

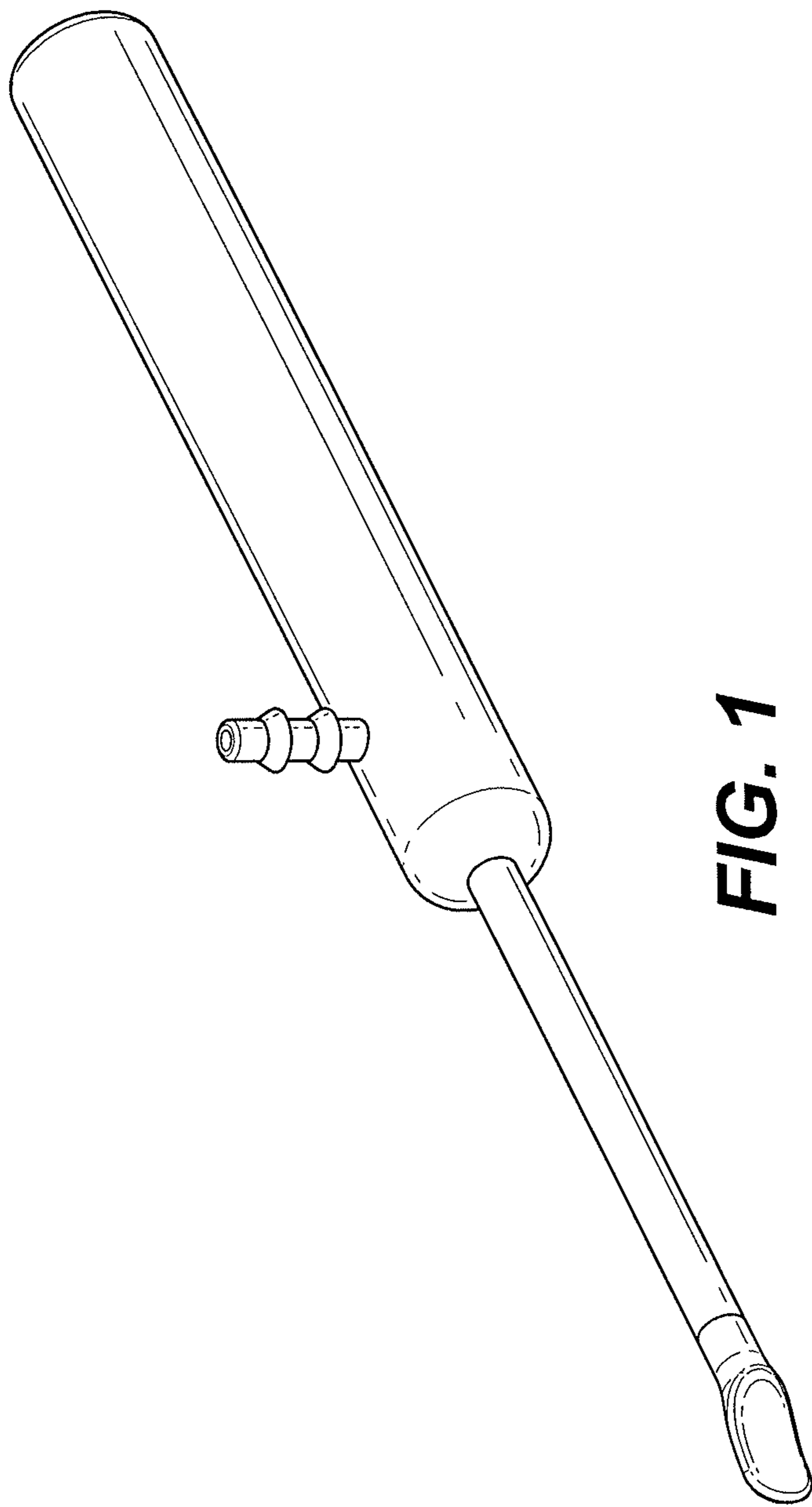
The ornamental design for a retractor with suction for orthopedic surgery, as shown and described.

**DESCRIPTION**

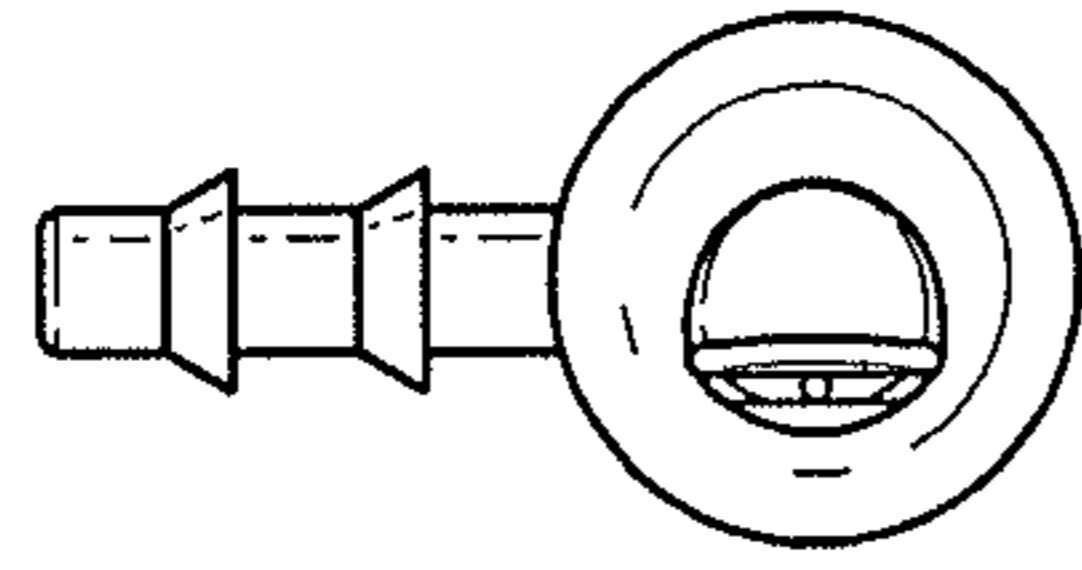
FIG. 1 is a perspective view of a retractor with suction for orthopedic surgery showing our new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a left side elevational view thereof; FIG. 5 is a right side elevational view thereof; FIG. 6 is a top view thereof; and, FIG. 7 is a bottom view thereof.

**1 Claim, 3 Drawing Sheets**

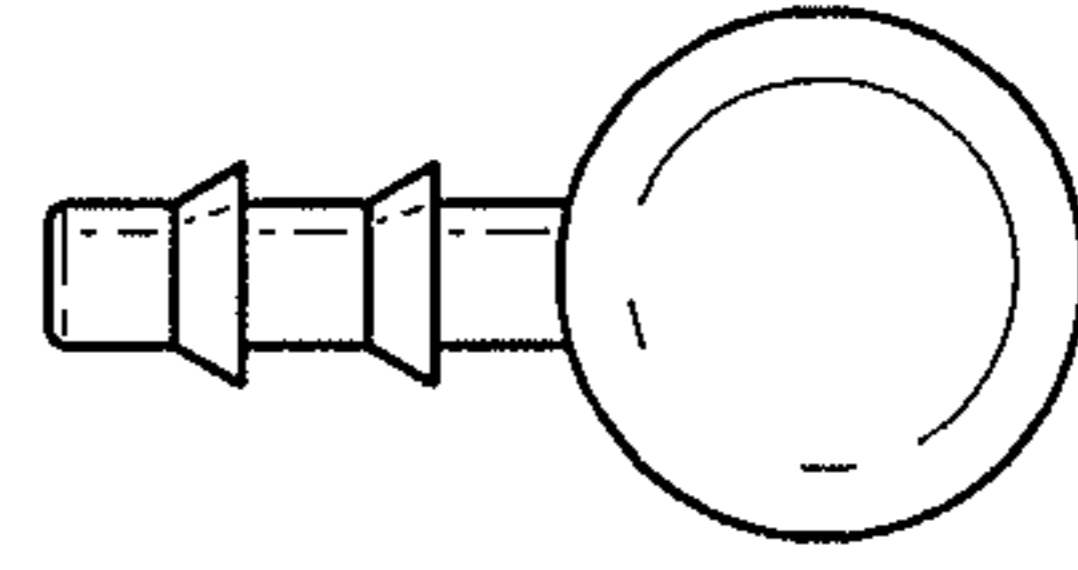




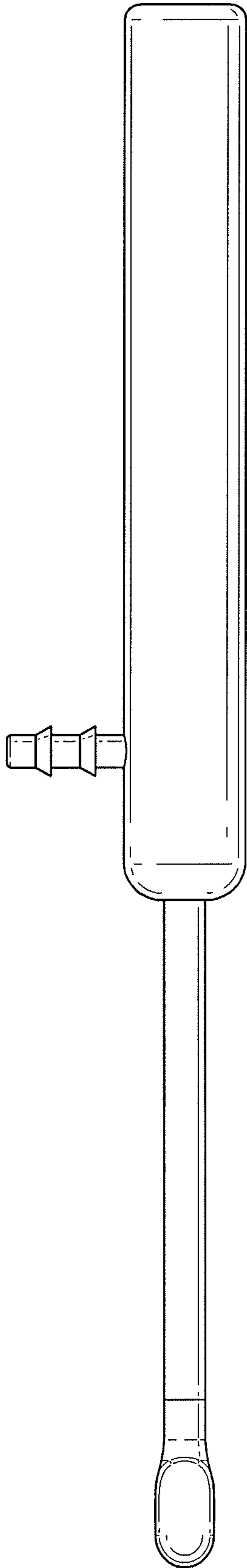
**FIG. 1**



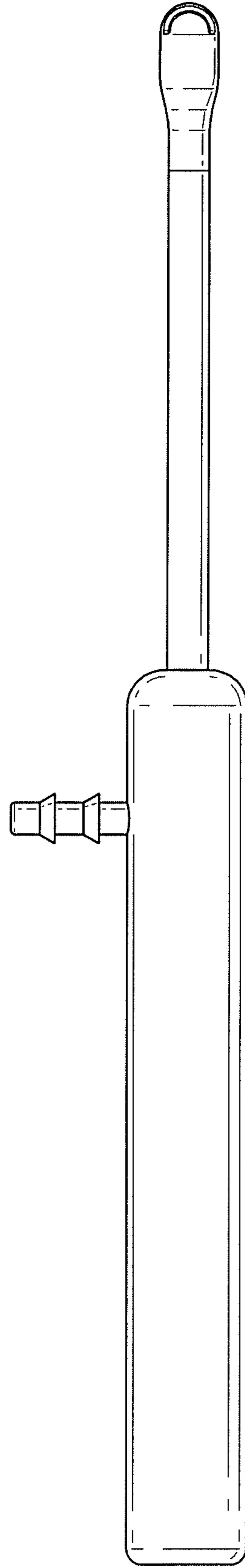
**FIG. 2**



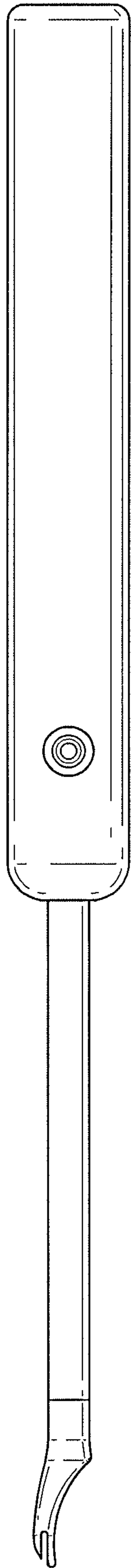
**FIG. 3**



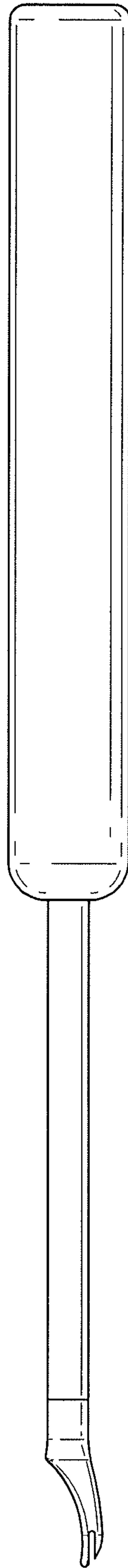
**FIG. 4**



**FIG. 5**



**FIG. 6**



**FIG. 7**