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(12) **United States Design Patent** (10) **Patent No.:** **US D954,254 S**  
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(54) **CLEANING DEVICE FOR PIERCED OPENINGS**

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

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**Related U.S. Application Data**

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filed on Jun. 12, 2018, now Pat. No. Des. 927,684.

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(52) **U.S. Cl.**  
USPC ..... **D24/119**

(58) **Field of Classification Search**  
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D24/113, 114, 115, 116, 117, 118, 119,  
D24/140, 141, 144, 146, 147, 223, 224,  
D24/228, 133, 184, 186, 200, 214;  
D28/7

CPC ..... A61F 11/006; A61F 13/38; A61F 13/15;  
A61F 13/64; A61F 13/467; A61F  
13/5611; A61F 13/4704; A61F 13/5616;  
A61F 13/4758; A61F 13/472; A61B  
2017/246; A61B 17/1615; A61B 17/1697;  
A61B 2018/0231; A61B 18/2018; A61M  
2210/0662; A61C 19/04; B01L  
2300/0825; B01L 3/5023; B01L 3/5209;  
C12M 1/30; G01N 33/5302

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D296,005 S *	5/1988	Alkire .....	D24/151
D423,100 S *	4/2000	Maissami .....	D4/135
D485,615 S *	1/2004	Harris .....	D24/119
D490,521 S *	5/2004	Cooper .....	D24/119
D506,252 S *	6/2005	Harris .....	D24/119
D772,398 S *	11/2016	Triva .....	D24/119
D903,862 S *	12/2020	Zhang .....	A61M 3/0216 D24/119
D914,202 S *	3/2021	Choate .....	D24/119
D914,203 S *	3/2021	Aagaard .....	D24/119
D927,684 S *	8/2021	Cooper .....	D24/119
D928,309 S *	8/2021	Aagaard .....	D28/7

\* cited by examiner

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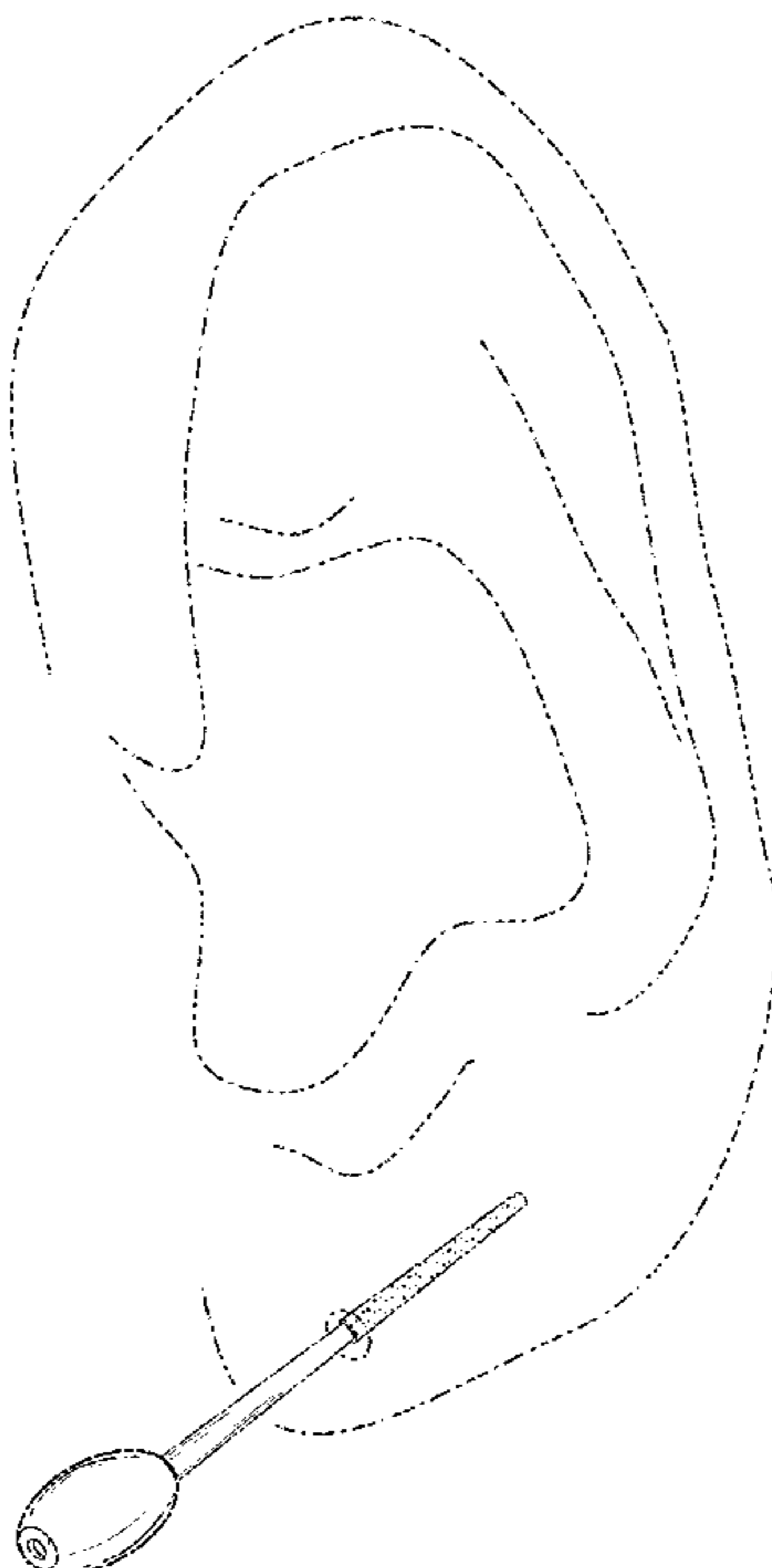
(57) **CLAIM**

The ornamental design for a cleaning device for pierced openings, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a cleaning device for pierced openings, showing our new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof; and,  
FIG. 4 is a left-side elevational view thereof, the right-side elevational view being a mirror image thereof.  
The broken lines showing an ear in FIG. 1 depict environmental matter and form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



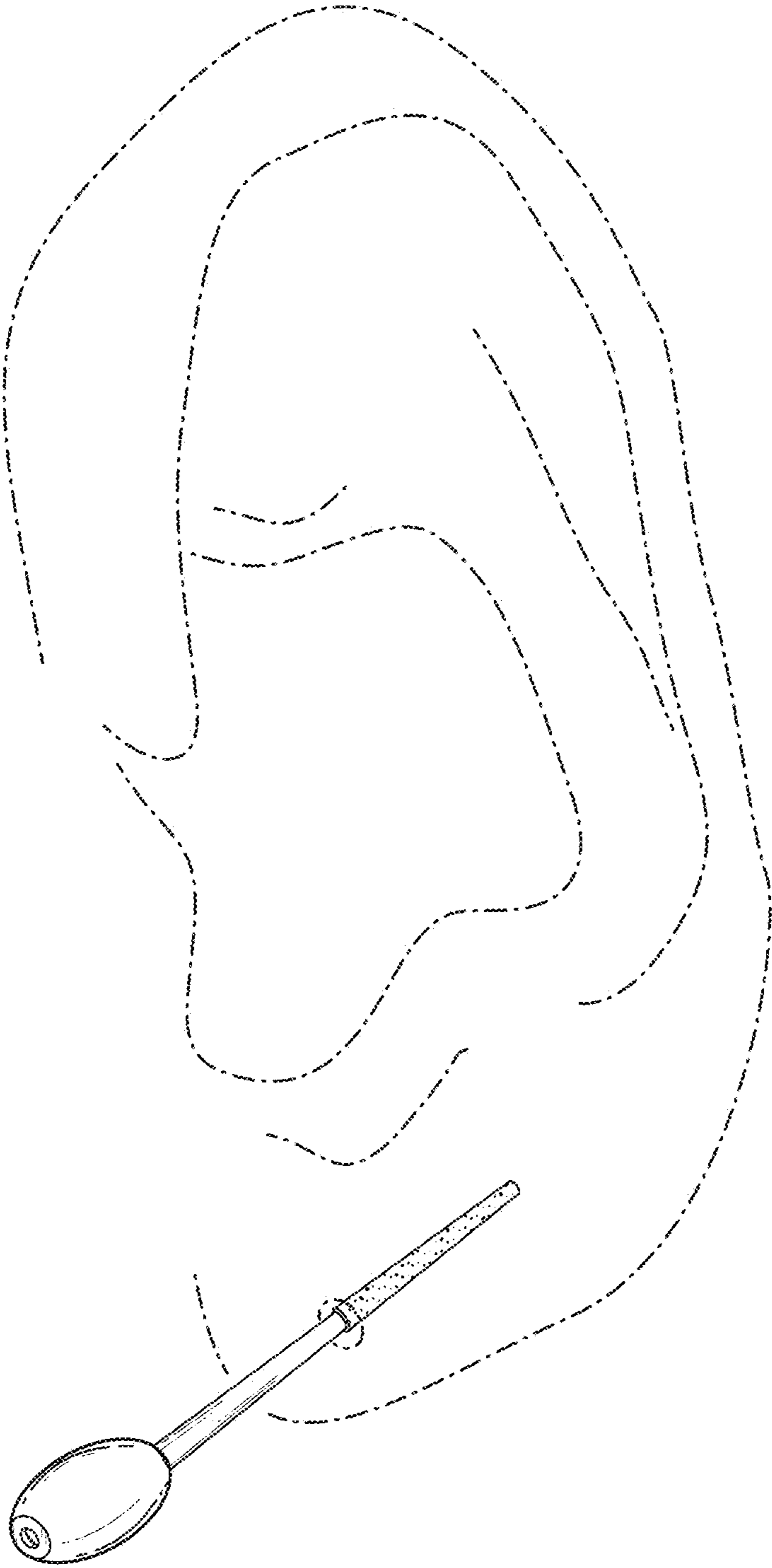


FIG. 1

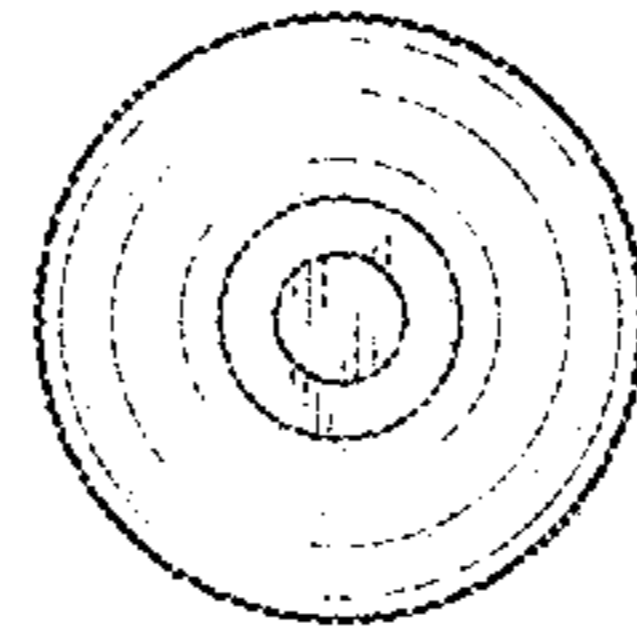


FIG. 2

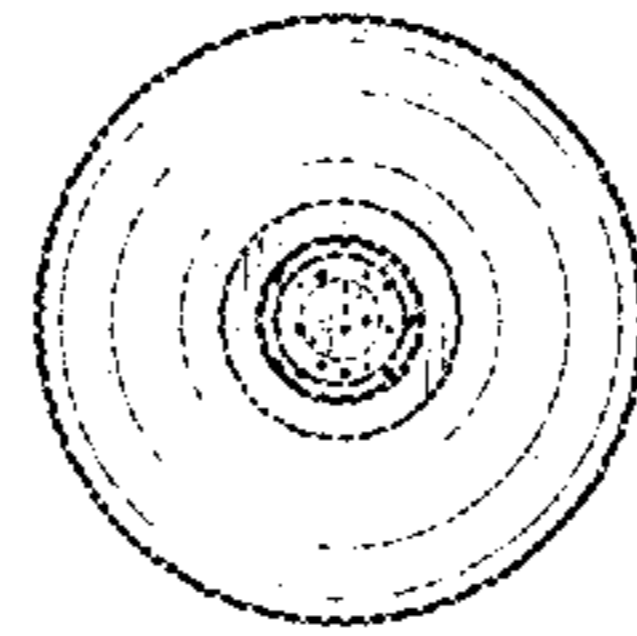


FIG. 3

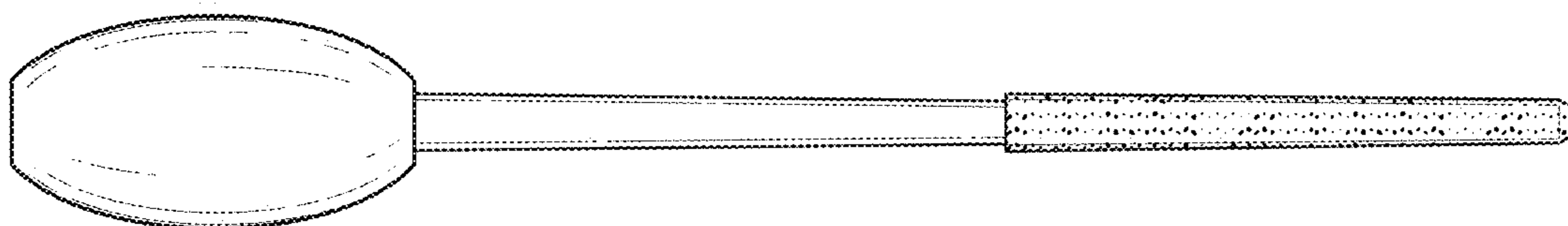


FIG. 4