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United States Patent [19]

Kimball et al.

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[45] Date of Patent: ** Apr. 27, 1999

[54] **MEDICAL INSTRUMENT FOR ANALYZING THE MIDDLE EAR**

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[73] Assignee: **MDI Instruments, Inc.**, Woburn, Mass.

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

[21] Appl. No.: **29/079,782**

[22] Filed: **Nov. 24, 1997**

[51] **LOC (6) Cl.** **24-02**

[52] **U.S. Cl.** **D24/151; D24/173**

[58] **Field of Search** **D24/151, 173; 73/583, 587, 573; 600/559; 381/56, 58**

[56] **References Cited**

U.S. PATENT DOCUMENTS

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[57] **CLAIM**

The ornamental design for a medical instrument for analyzing the middle ear, as shown and described.

DESCRIPTION

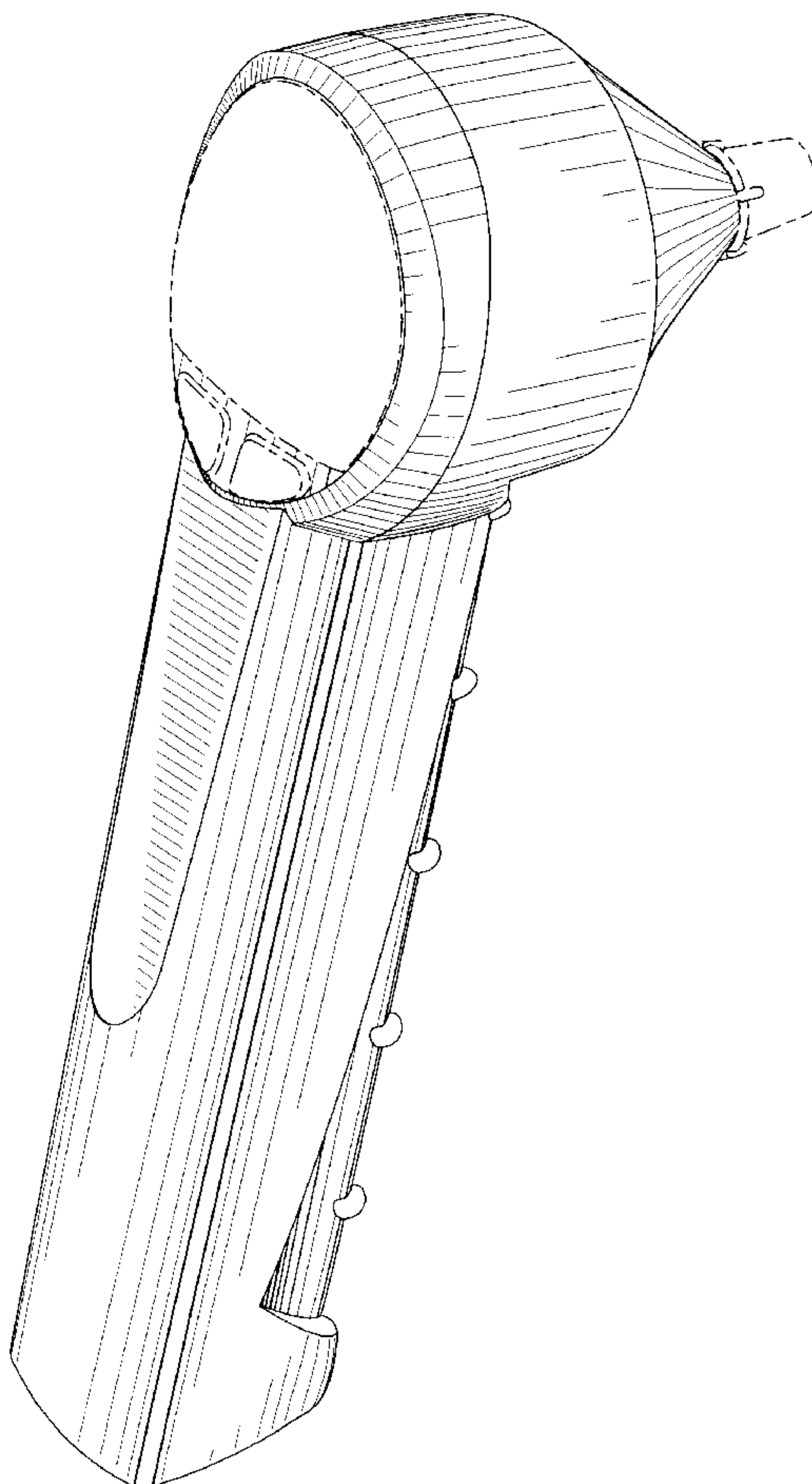
FIG. 1 is a top, back and right side perspective view of a medical instrument for analyzing the middle ear showing the design;
FIG. 2 is a back elevational view;
FIG. 3 is front elevational view;
FIG. 4 is a right side elevational view, the left side elevational view being mirror image thereto;
FIG. 5 is a top elevational view; and,
FIG. 6 is a bottom elevational view, thereof.

This medical instrument is used to analyze an ear for middle ear pathologies, and is called an acoustic reflectometer. The design also may be applied to other articles such as radiation thermometers, otoscopes, tympanometers, audiometers and other medical instruments.

The characteristic feature of the design resides in the combination of a cylindrical head piece and a handle having a flat front and ridged grip.

The broken line showing of the control panel and removable tip are for illustrative purposes only and forms no part of the claimed design.

1 Claim, 4 Drawing Sheets



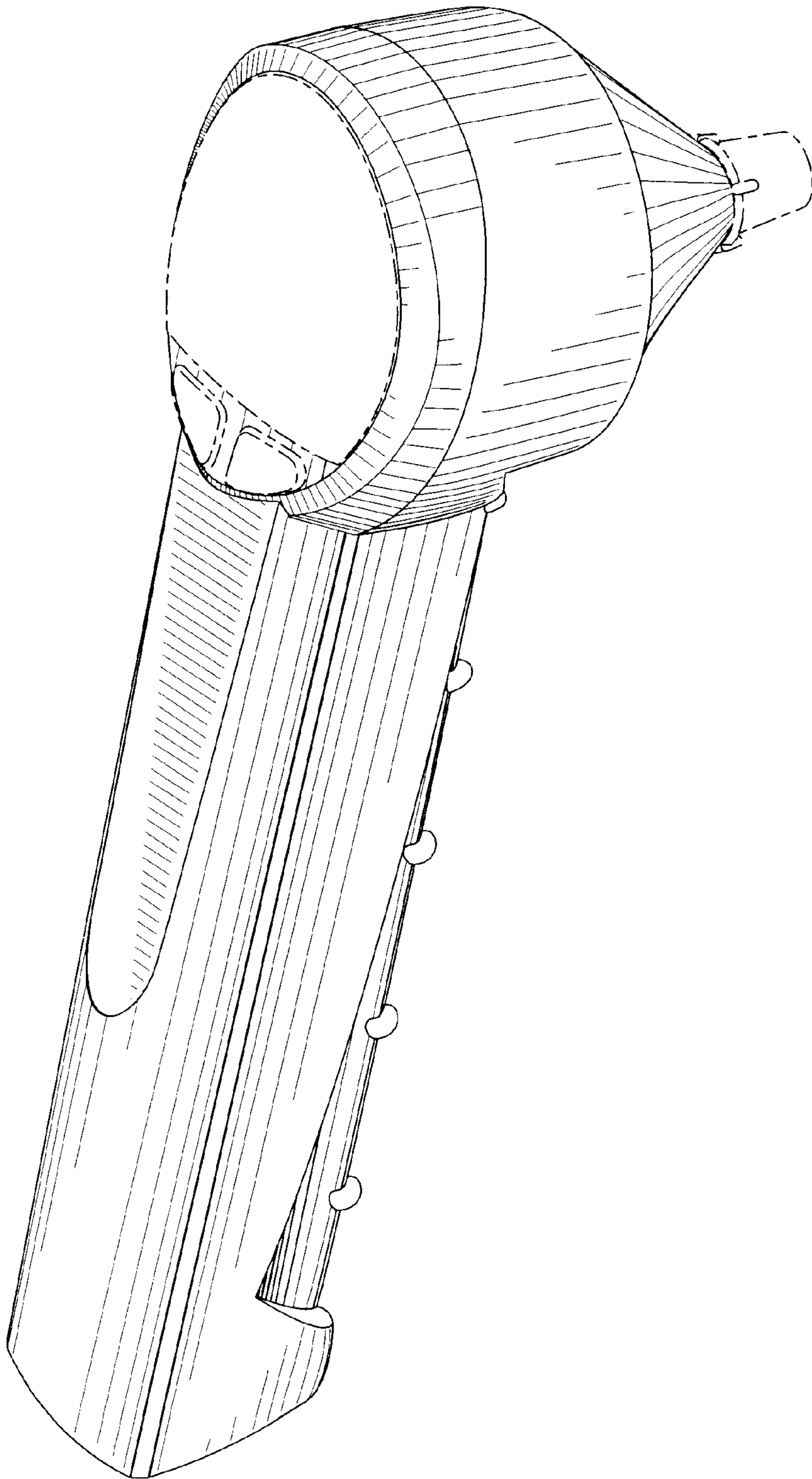


Fig. 1

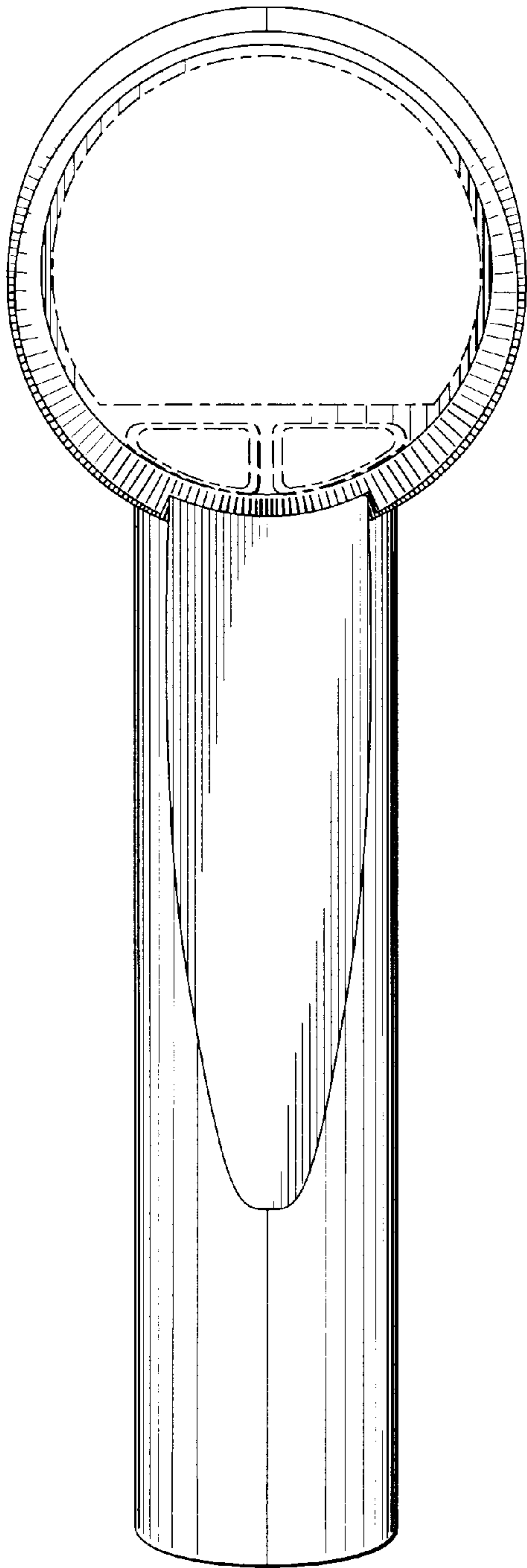


Fig. 2

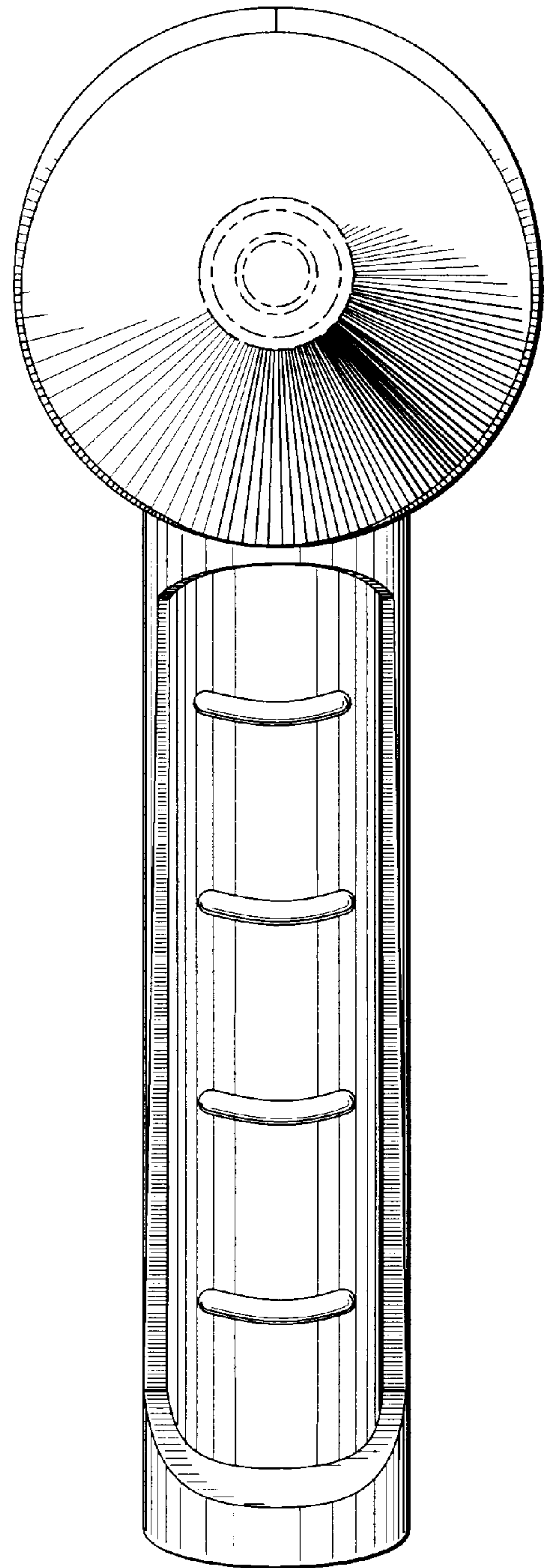


Fig. 3

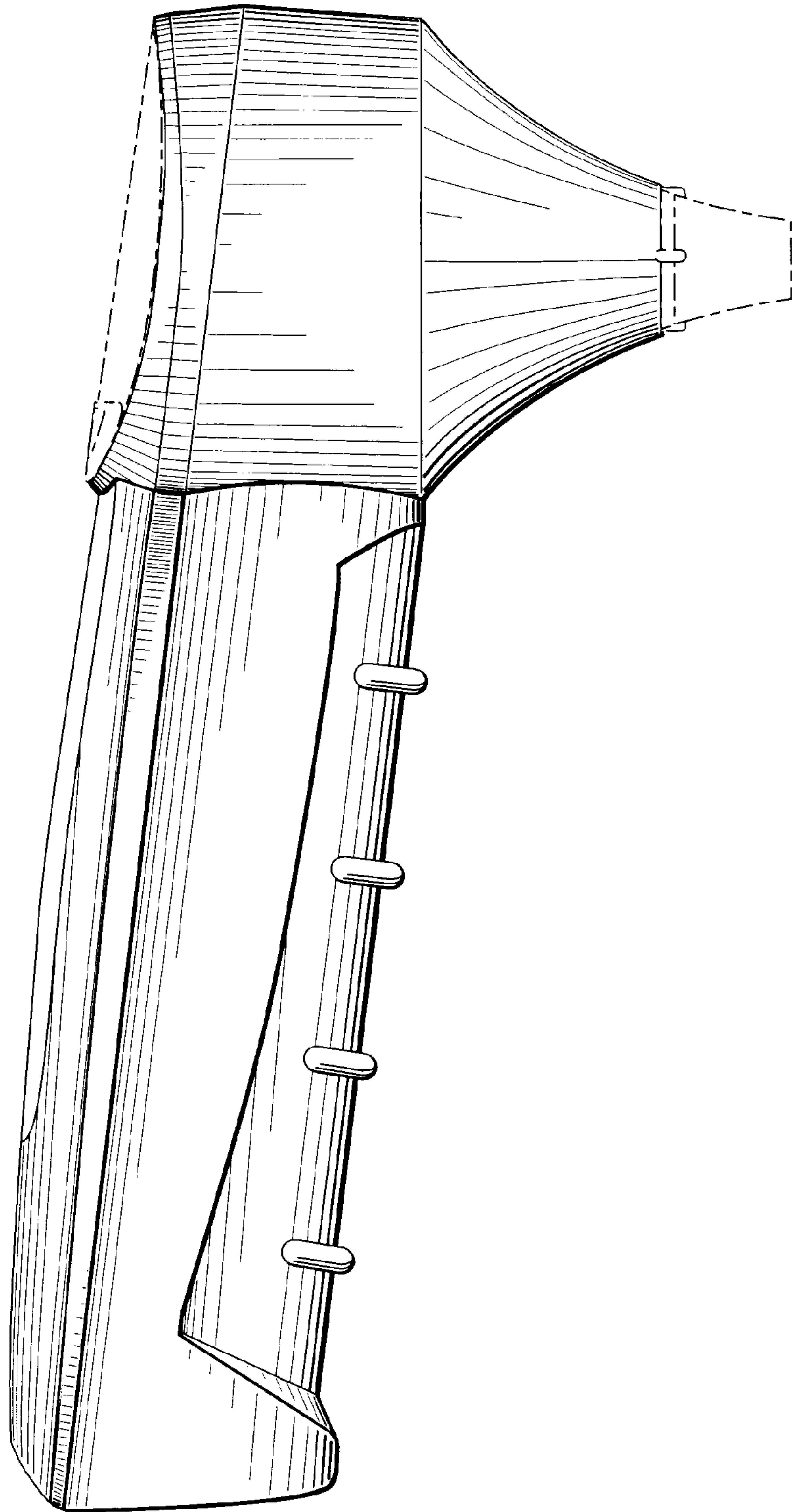


Fig. 4

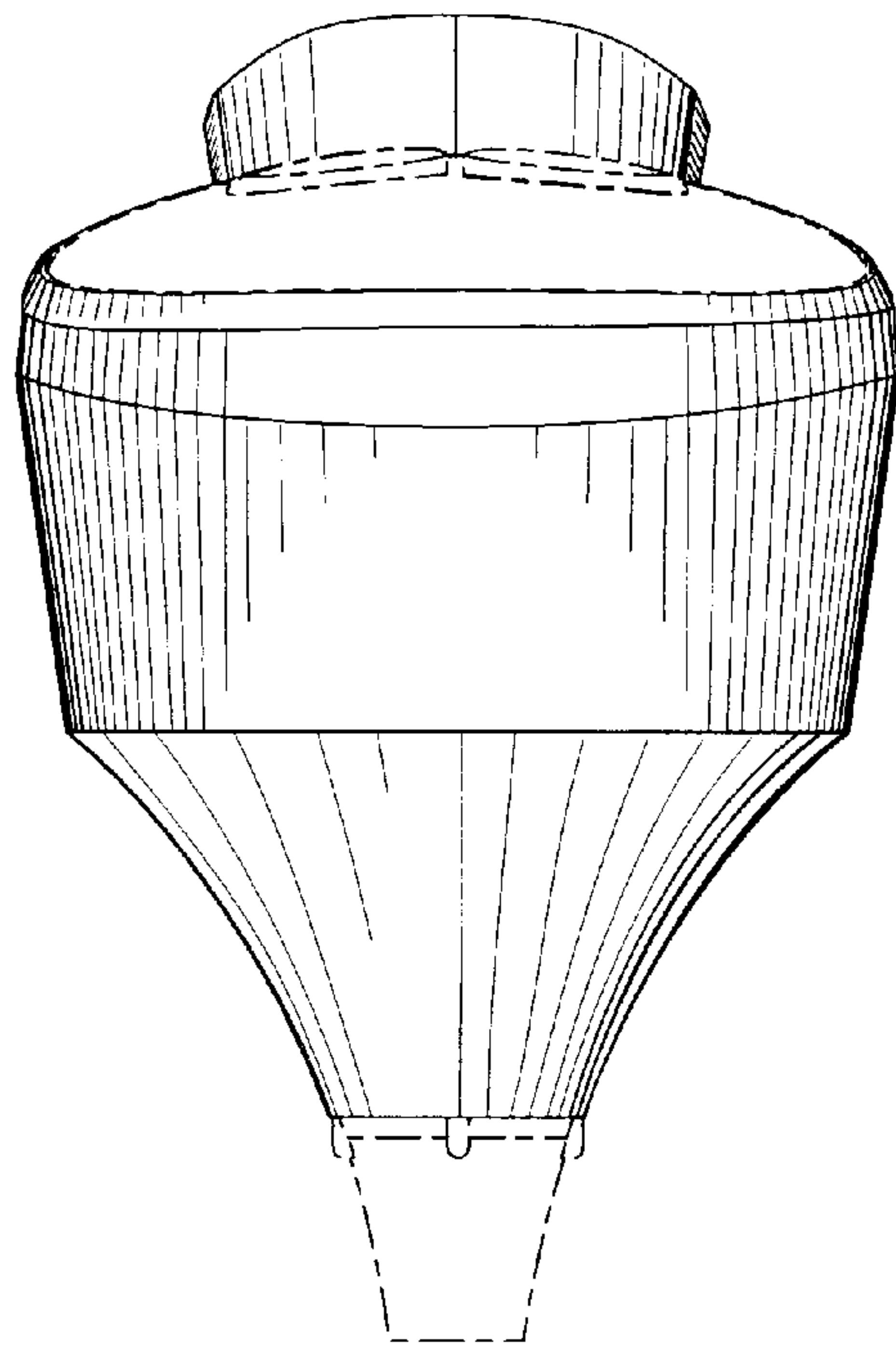


Fig. 5

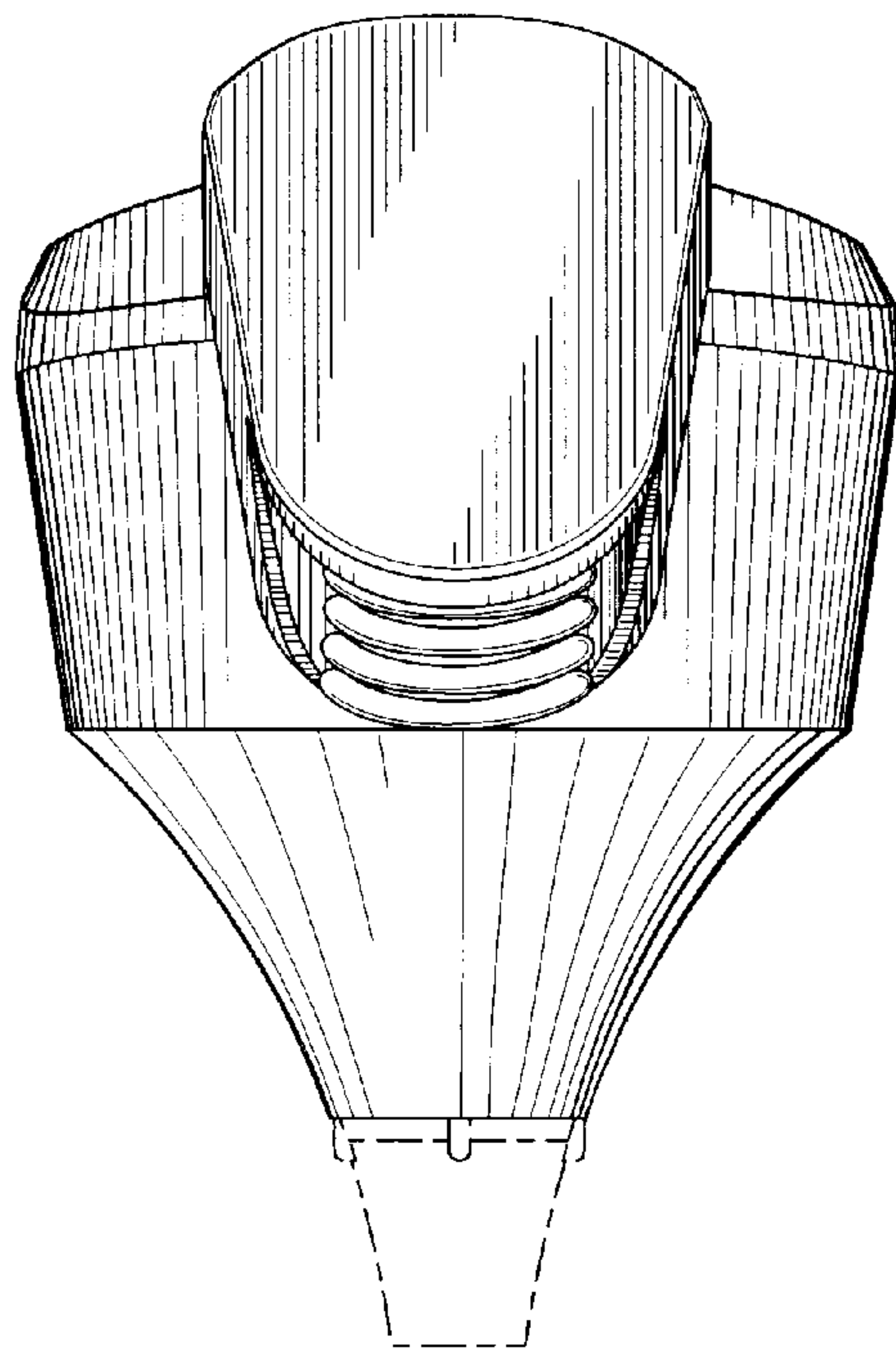


Fig. 6