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(12) **United States Design Patent** (10) **Patent No.:** **US D450,845 S**  
**Becker** (45) **Date of Patent:** **\*\* Nov. 20, 2001**

(54) **BULKHEAD END OF DENTAL HANDPIECE TUBING WITH ELECTRIC POWER FOR FIBER OPTIC CAPABILITY**

(75) Inventor: **William Becker**, Roxbury, CT (US)

(73) Assignee: **Kinetic Instruments, Inc.**, Bethel, CT (US)

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

(21) Appl. No.: **29/134,195**

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(51) **LOC (7) Cl.** ..... **24-02**

(52) **U.S. Cl.** ..... **D24/152**

(58) **Field of Search** ..... D24/152; D13/133, D13/146; 433/29, 126; 385/59, 71, 76, 78, 82, 86, 87, 139

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*Primary Examiner*—Joel Sincavage

(74) *Attorney, Agent, or Firm*—Levisohn, Lerner, Berger & Langsam

(57) **CLAIM**

A bulkhead end of dental handpiece tubing with electric power for fiber optic capability, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the present invention, showing a short length only, of the handpiece tubing;

FIG. 2 is a side view of the present invention, the opposite side being a mirror image thereof;

FIG. 3 is a front view of the present invention;

FIG. 4 is a top view of the present invention, with the bottom view being a mirror image thereof; and,

FIG. 5 is a perspective view of the present invention with the sliding hose nut withdrawn as it would be during installation of the device. This is for illustration and a more effective disclosure of the device. The bulkhead end of the dental handpiece tubing is connected to a correspondingly designed and matched end located at a dental unit for supplying electric power, air and water from the dental unit, through the tubing, to a dental handpiece of the fiber optic type.

**1 Claim, 2 Drawing Sheets**

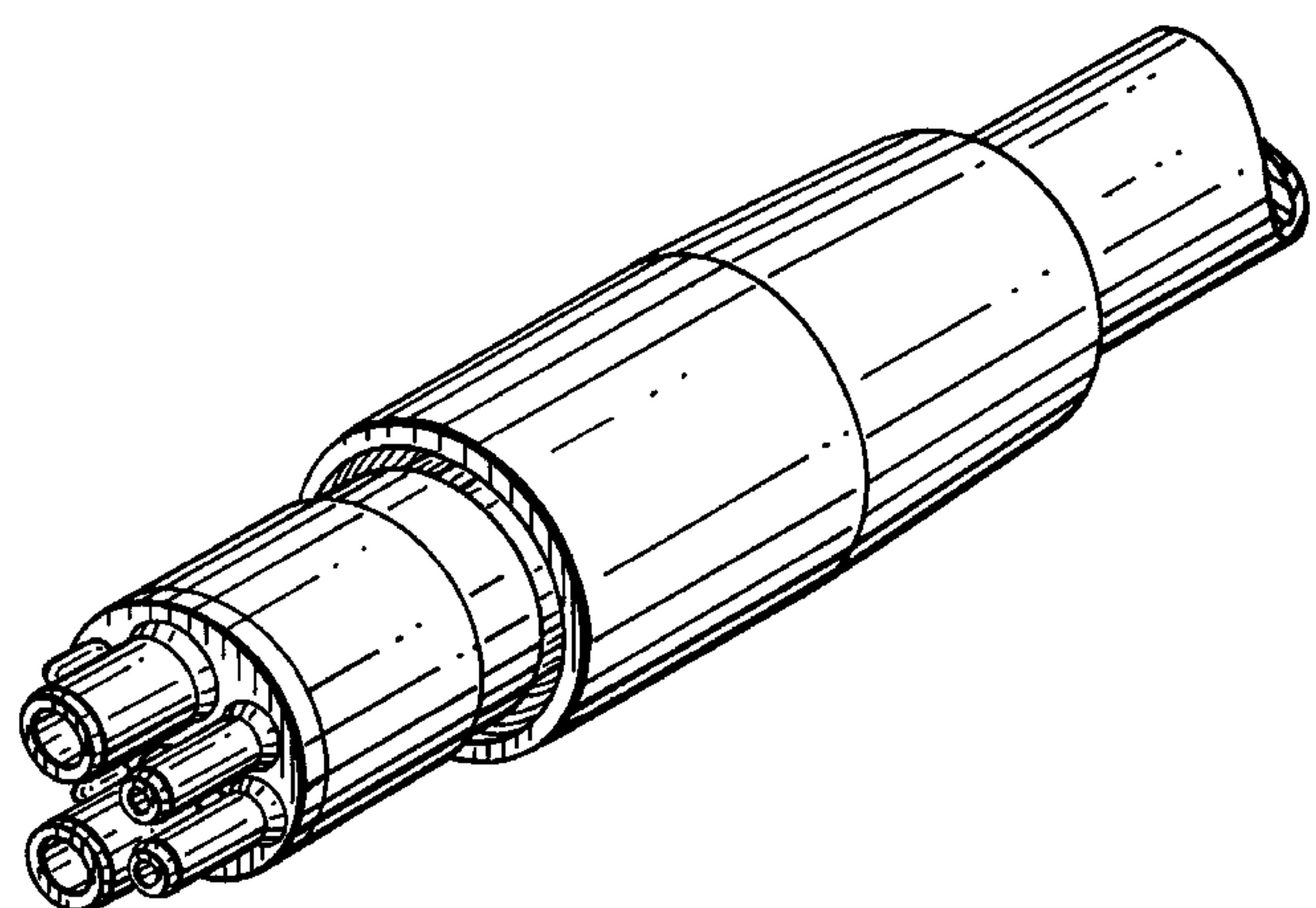
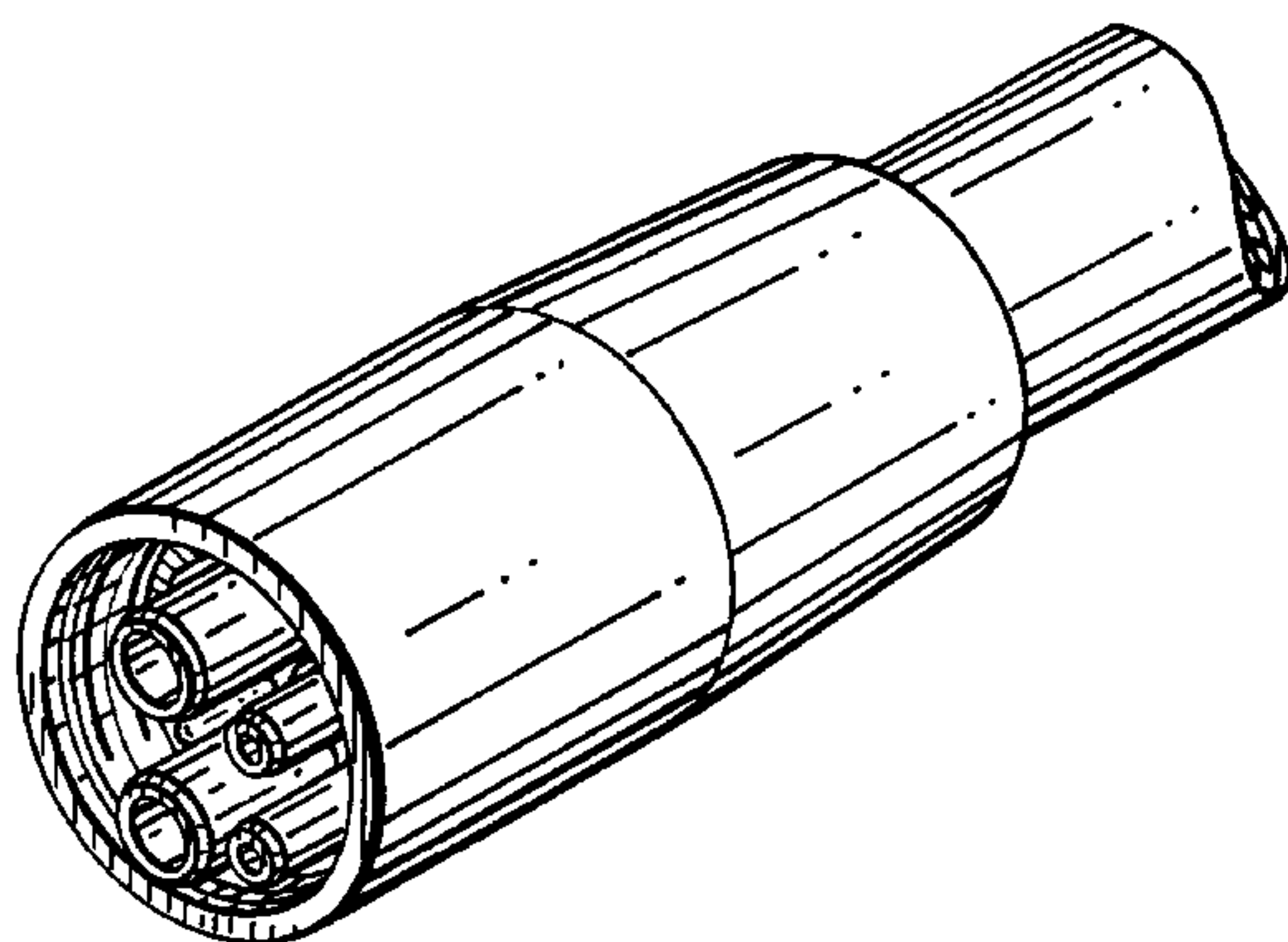


FIG. 1

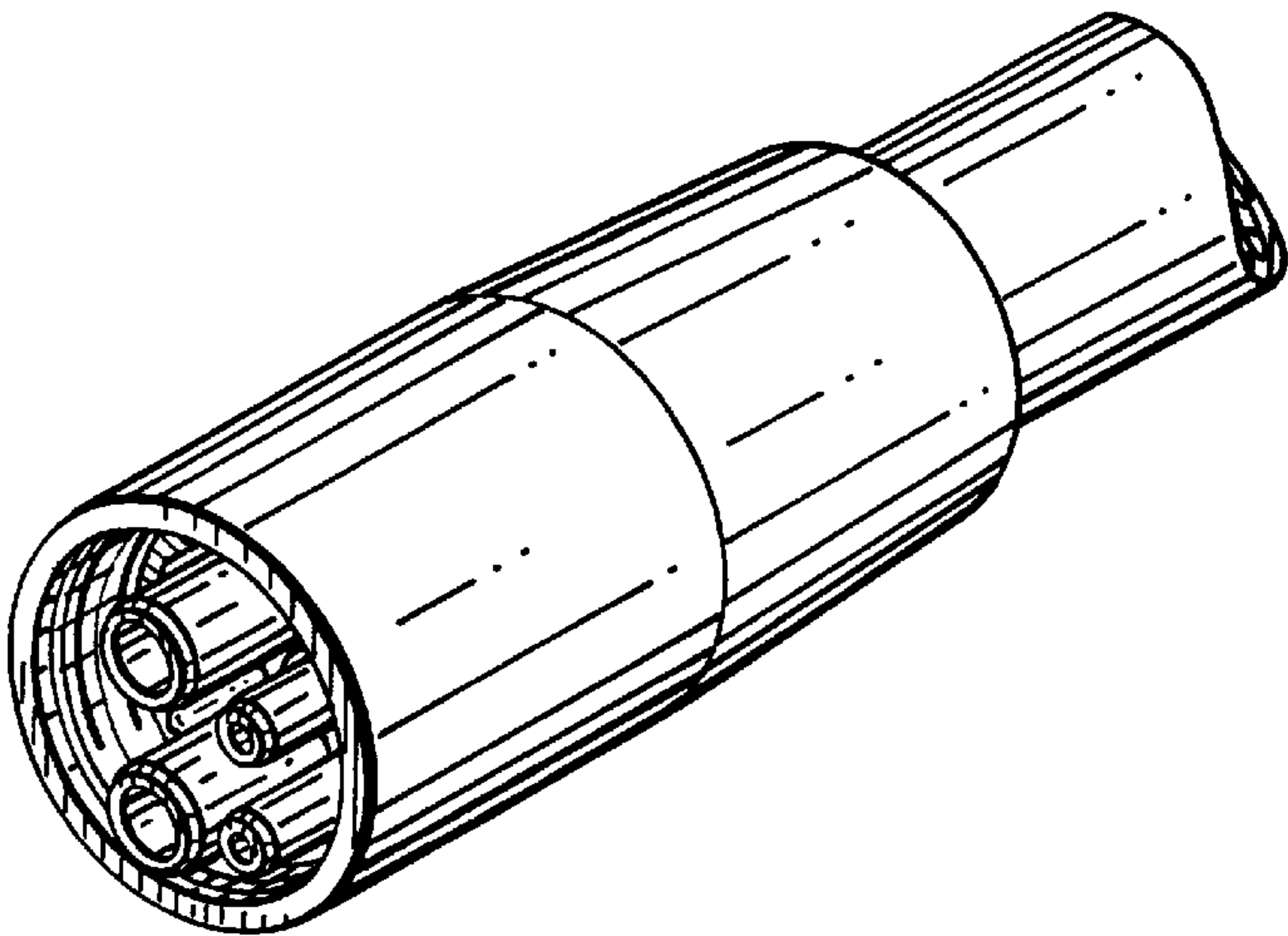


FIG. 2

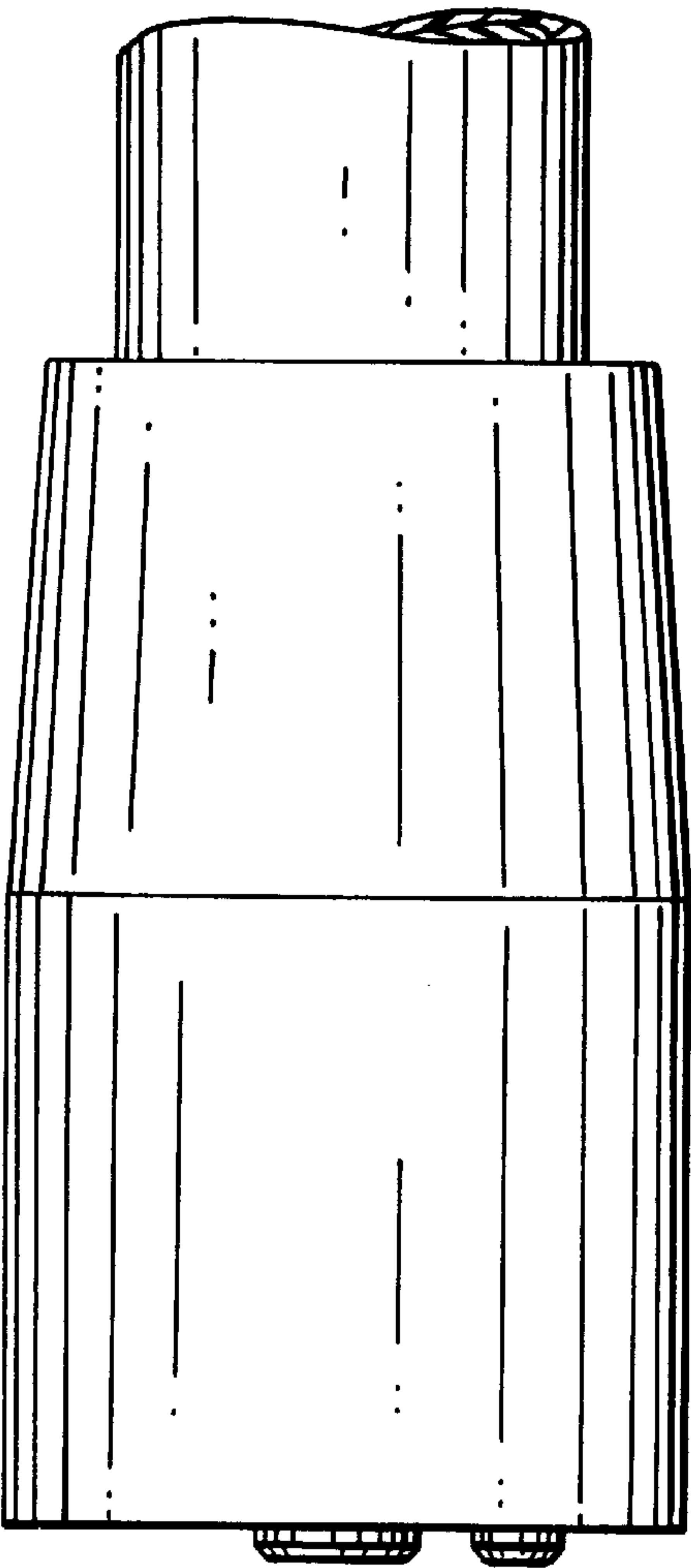
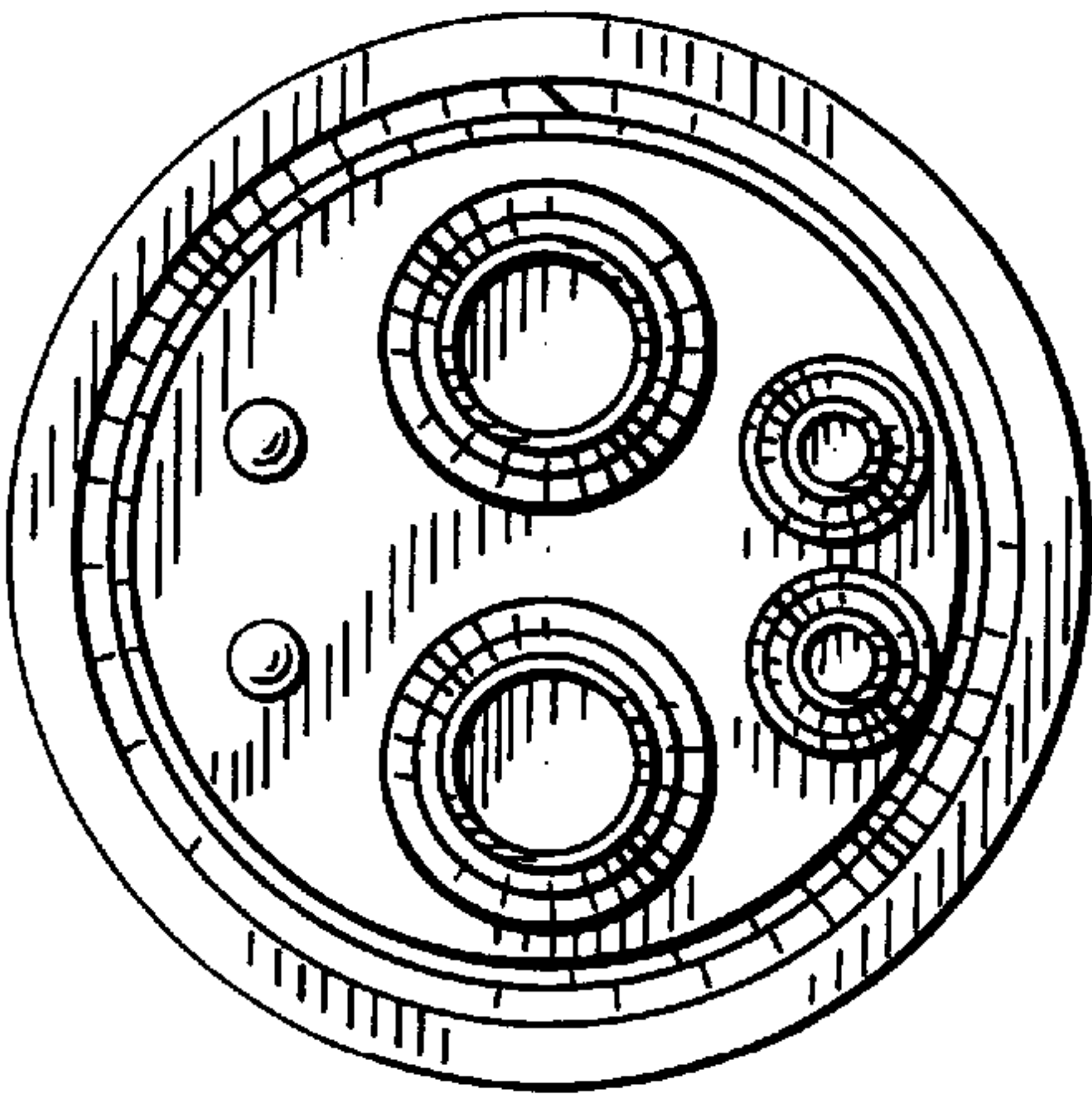


FIG. 3



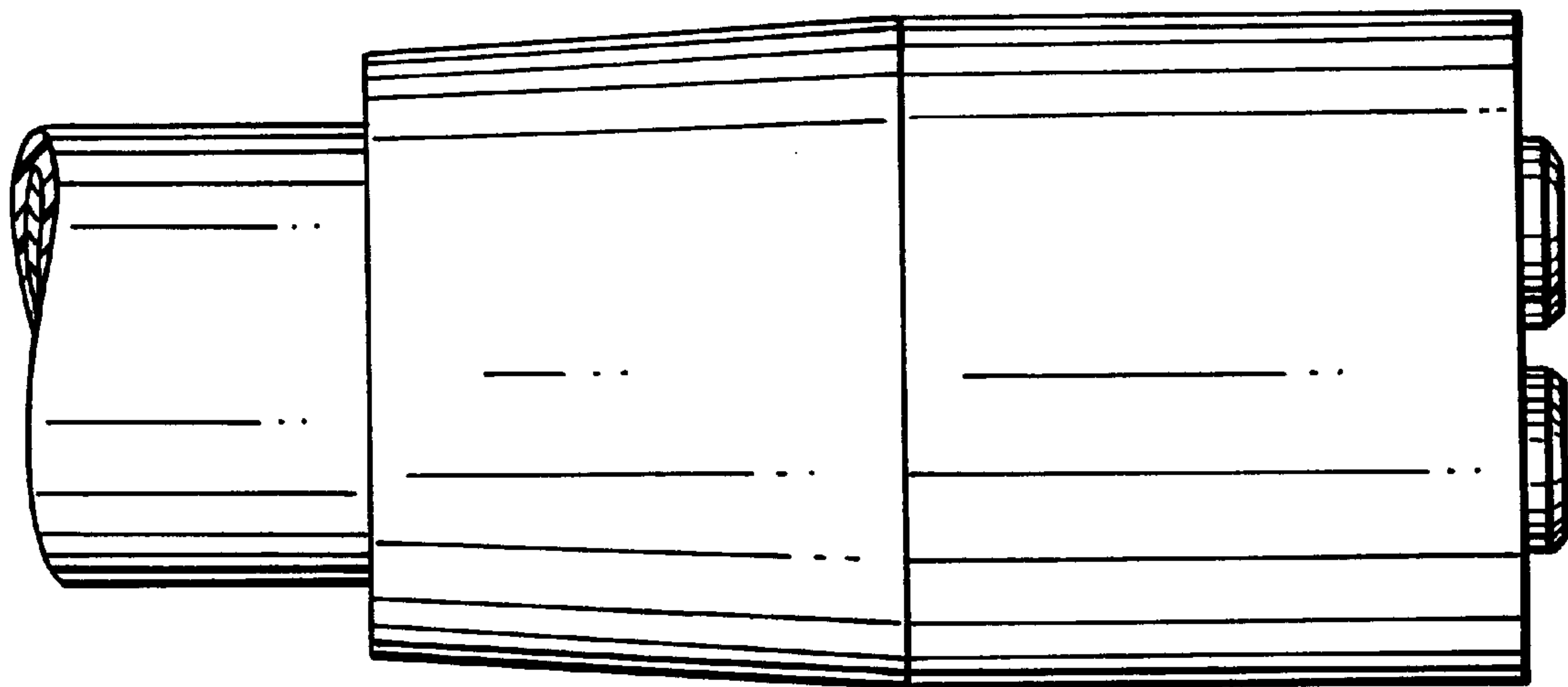


FIG. 4

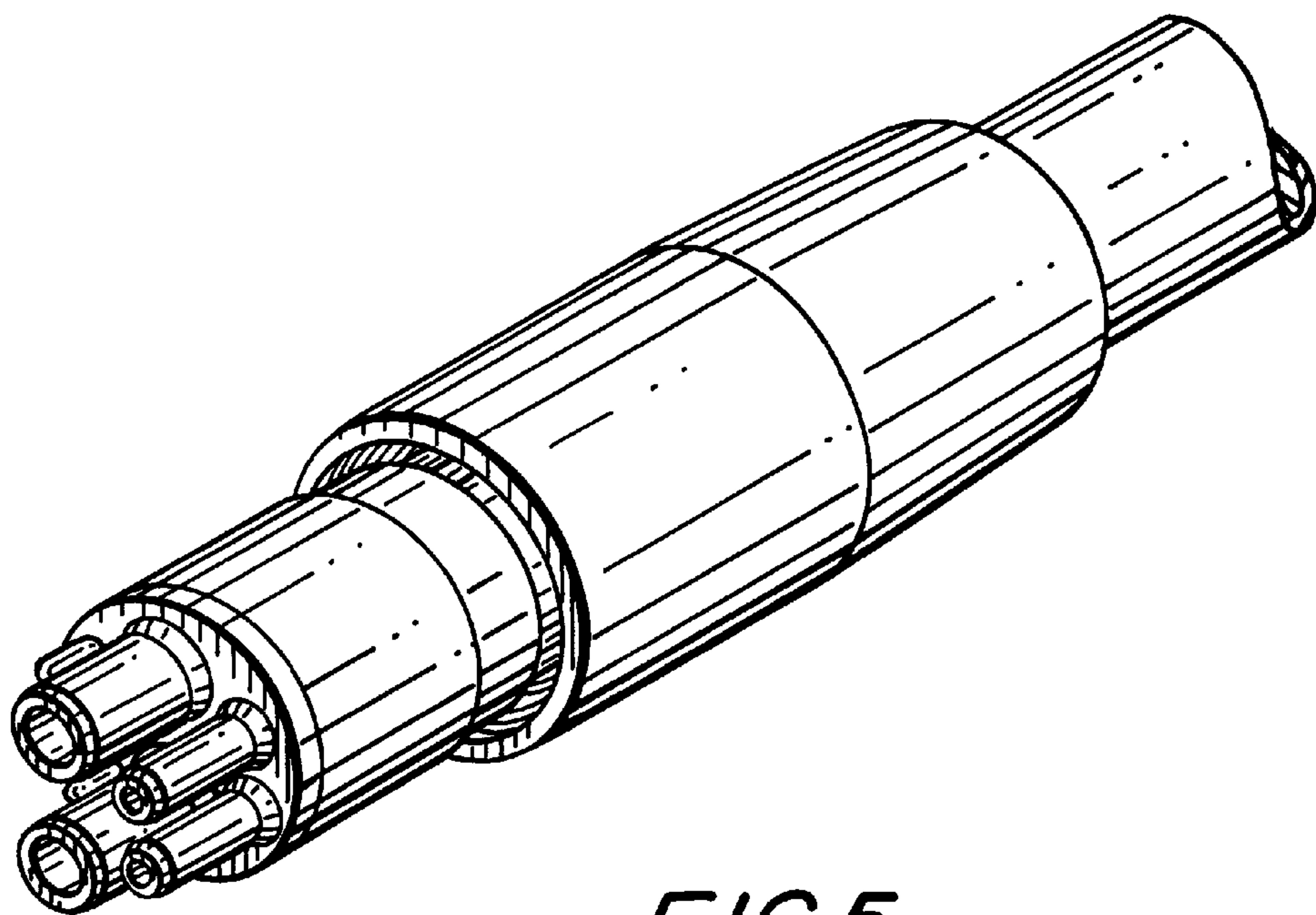


FIG. 5