

US00D497113S1

(12) **United States Design Patent** (10) **Patent No.:** **US D497,113 S**
Kawamura (45) **Date of Patent:** **** *Oct. 12, 2004**

(54) **CENTRIPETAL TELESCOPE THAT USES A LASER FOR SURVEYING INSTRUMENT**

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(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/182,938**

(22) Filed: **Jun. 4, 2003**

(30) **Foreign Application Priority Data**

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(51) **LOC (7) Cl.** **10-04**

(52) **U.S. Cl.** **D10/66**

(58) **Field of Search** D10/66; D16/132;
356/301, 4.08; 33/291, 293, 296, 227, 275 R,
286, DIG. 21

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,784,792 A * 7/1998 Smith 33/227
6,178,649 B1 * 1/2001 Wu 33/286

6,487,781 B2 * 12/2002 Johnson 33/285
6,502,321 B1 * 1/2003 Crain et al. 33/296
6,573,981 B2 * 6/2003 Kumagai et al. 356/4.08
6,608,677 B1 * 8/2003 Ray et al. 356/301

* cited by examiner

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(57) **CLAIM**

The ornamental design for a centripetal telescope that uses a laser for surveying instrument, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a centripetal telescope that uses a laser for surveying instrument, showing my new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a left side elevational view thereof; and,

FIG. 7 is a reference view showing the state of use thereof; The broken line showing the remaining parts of a support base for a laser light range meter equipped with a telescope is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 3 Drawing Sheets

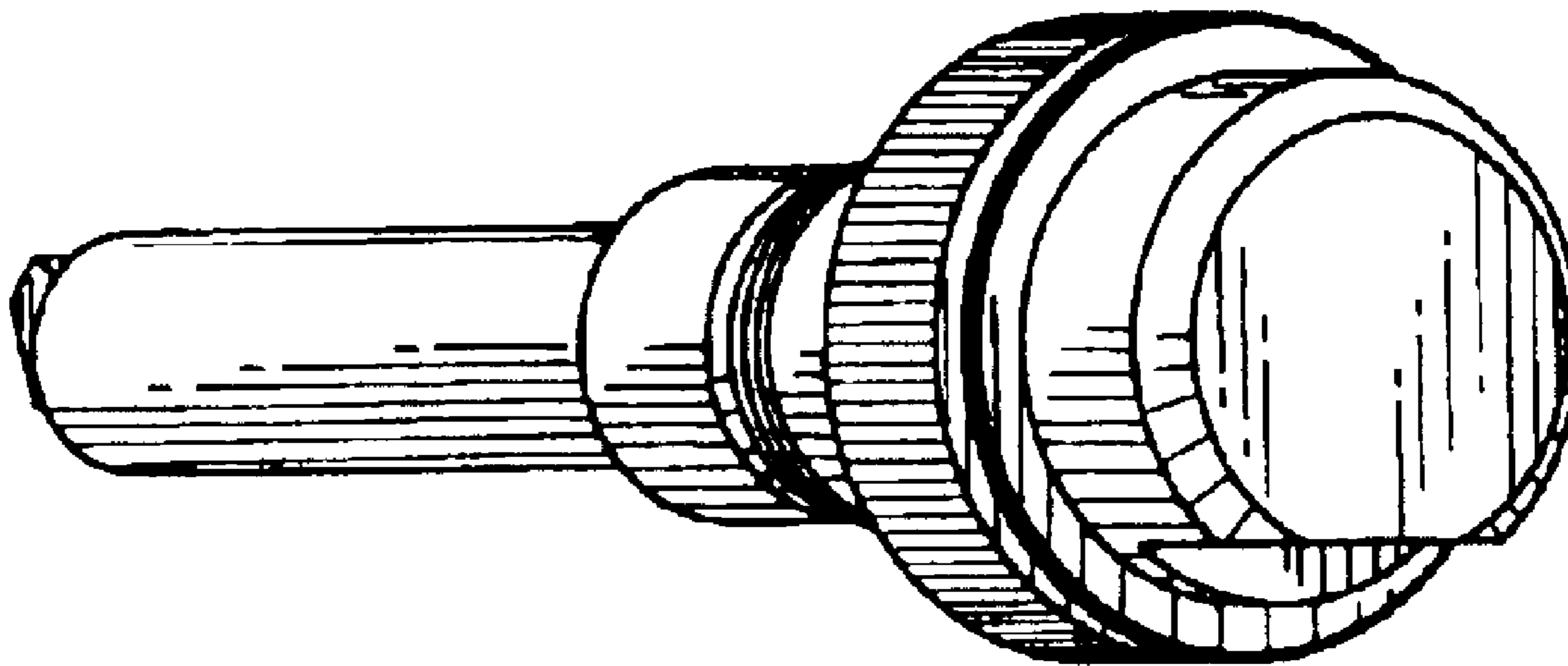


FIG. 1

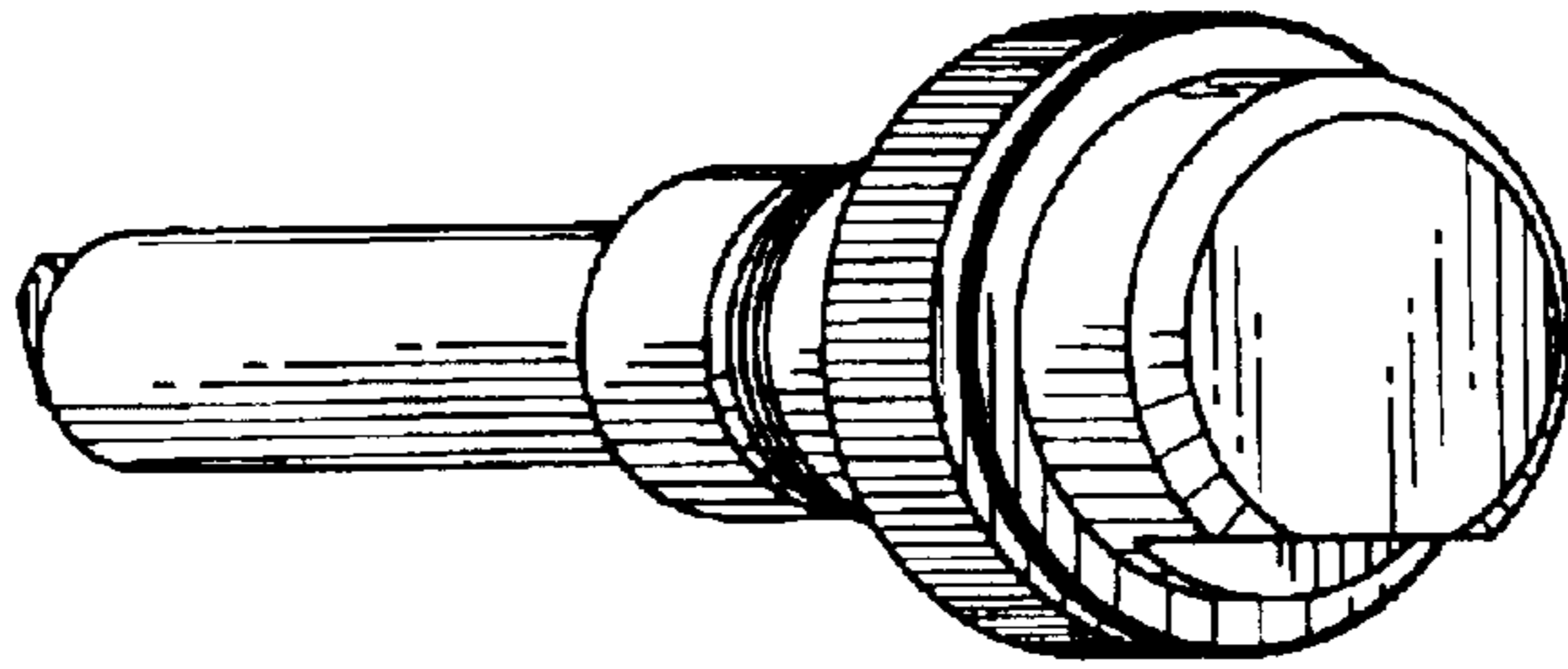


FIG. 3

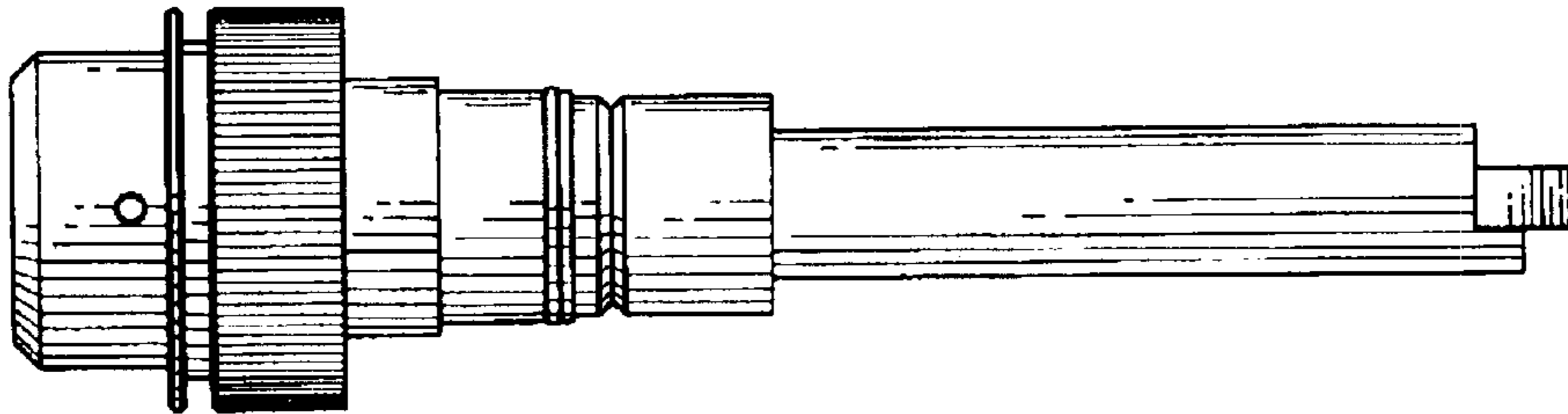


FIG. 2

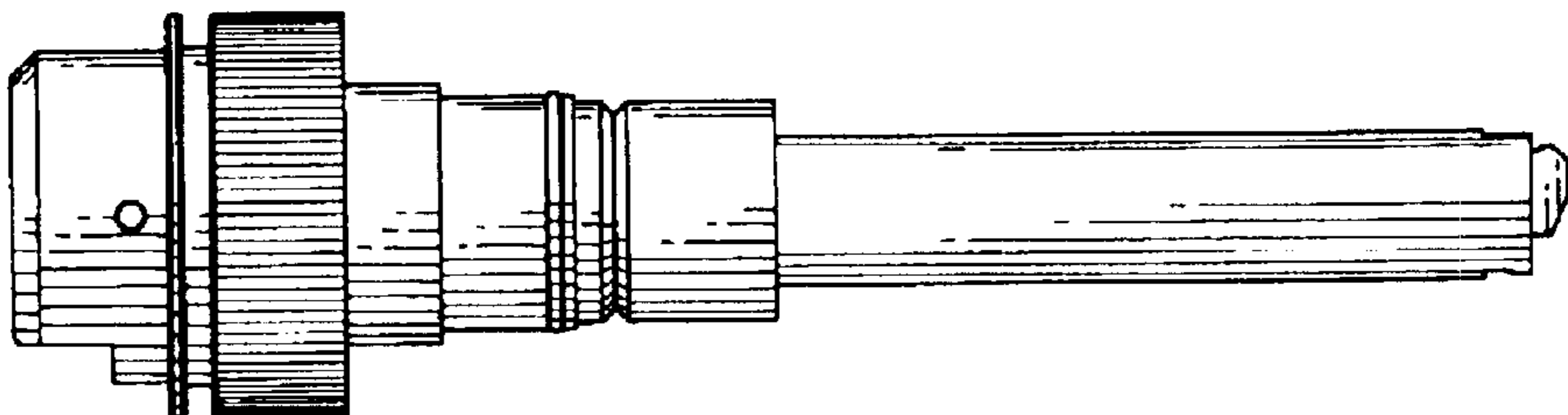


FIG. 4

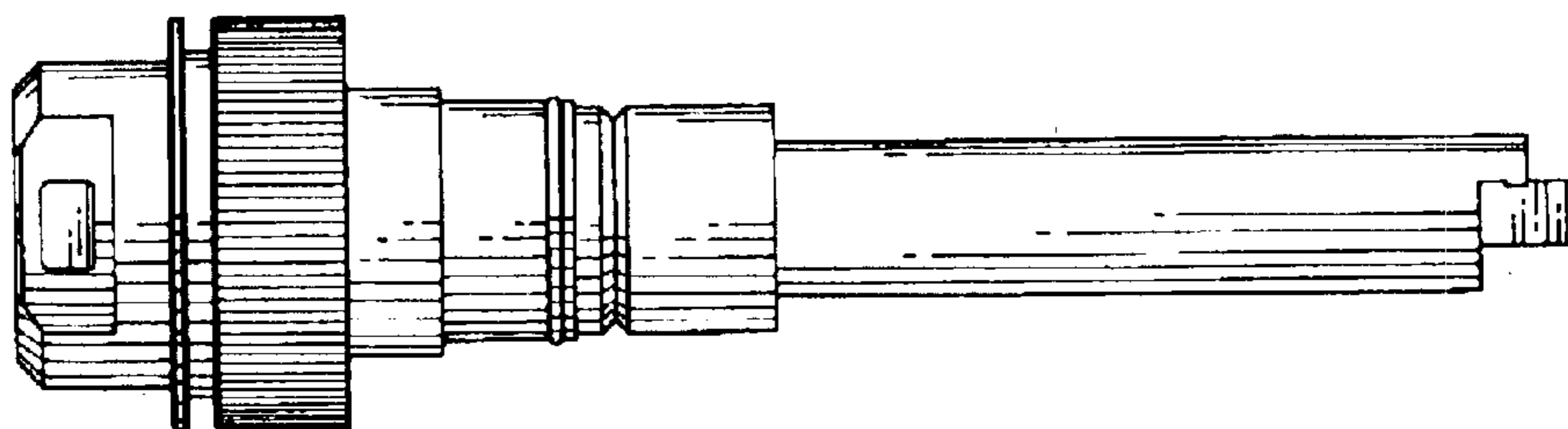


FIG. 6

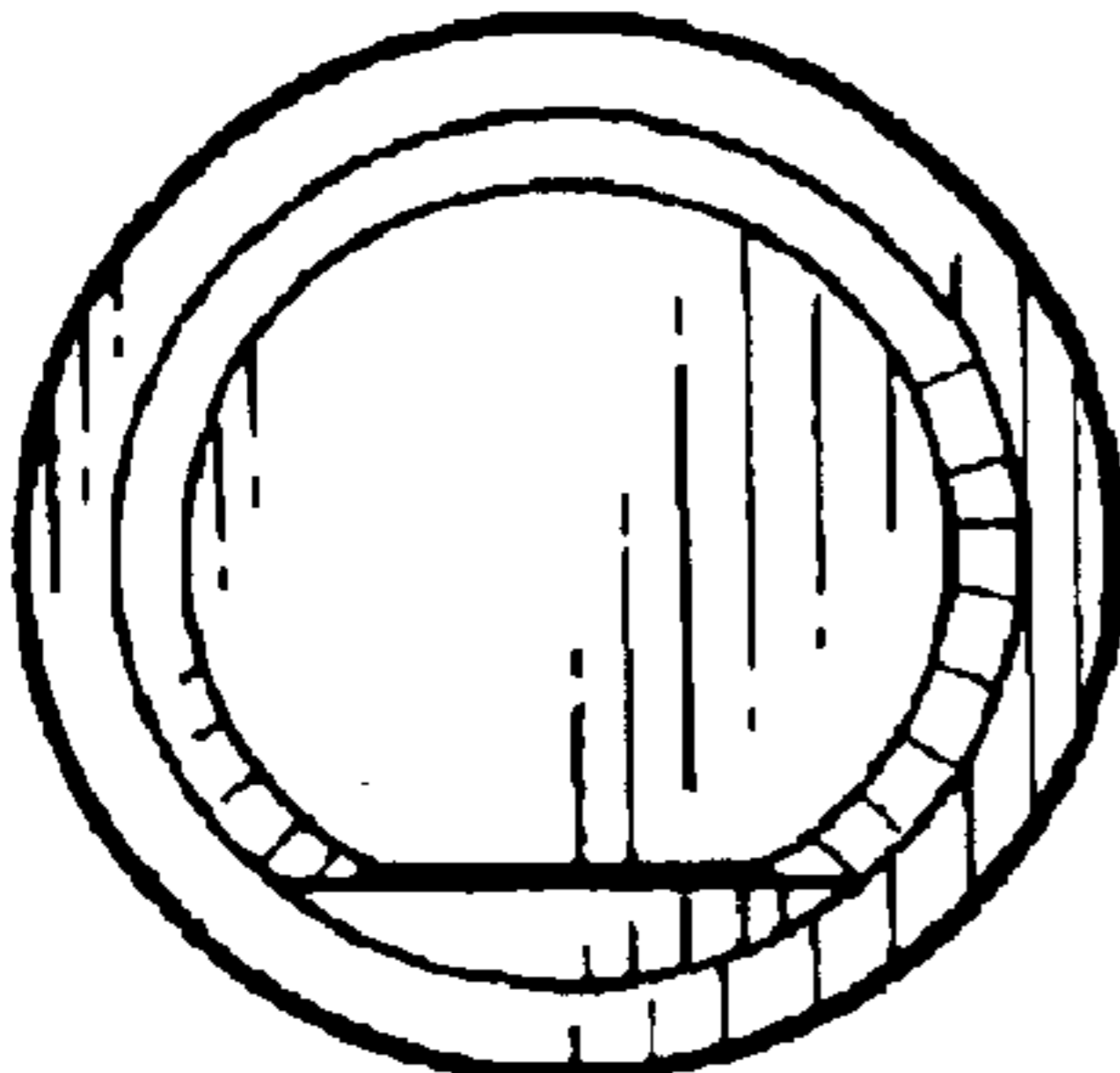


FIG. 5

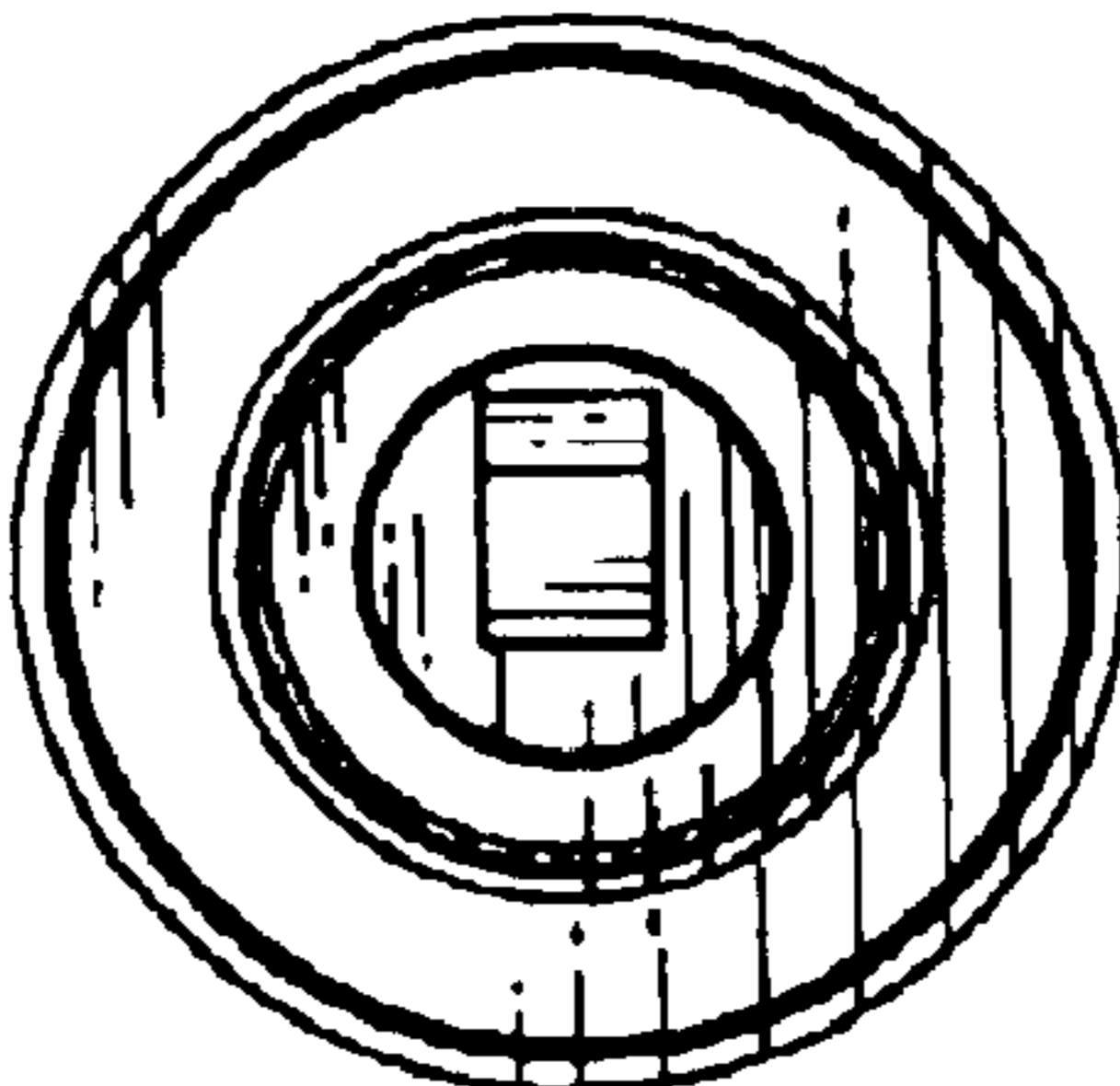


FIG. 7

