



US00D511980S

(12) **United States Design Patent**
McFarland et al.

(10) **Patent No.:** **US D511,980 S**

(45) **Date of Patent:** **** Nov. 29, 2005**

(54) **REFRACTOMETER**

(76) Inventors: **Guy E. McFarland**, 11110 NE. 48th Pl., Kirkland, WA (US) 98033; **Paul J. Wendling**, 3545-115th Ave., NE. #723, Bellevue, WA (US) 98004; **Mui Hing Hok**, 3 East Dong Guan Zhuang Road, #1002 Tianhe, Guangzhou (CN), 510610

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

(21) **Appl. No.:** **29/203,729**

(22) **Filed:** **Apr. 19, 2004**

(51) **LOC (8) Cl.** **10-04**

(52) **U.S. Cl.** **D10/78**

(58) **Field of Search** D10/78, 81; 356/128-137, 356/243.1, 246

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,383,347 A * 8/1945 Silge 356/135
4,890,916 A * 1/1990 Rainer 356/135

D348,849 S * 7/1994 Thompson D10/78
5,355,211 A * 10/1994 Thompson et al. 356/135
5,455,645 A * 10/1995 Berger et al. 351/223
5,563,737 A * 10/1996 Kamrat 356/136
6,149,591 A * 11/2000 Henderson et al. 356/133
6,195,160 B1 * 2/2001 Rainer et al. 356/135

* cited by examiner

Primary Examiner—Antoine D. Davis

(74) *Attorney, Agent, or Firm*—Dean A. Craine

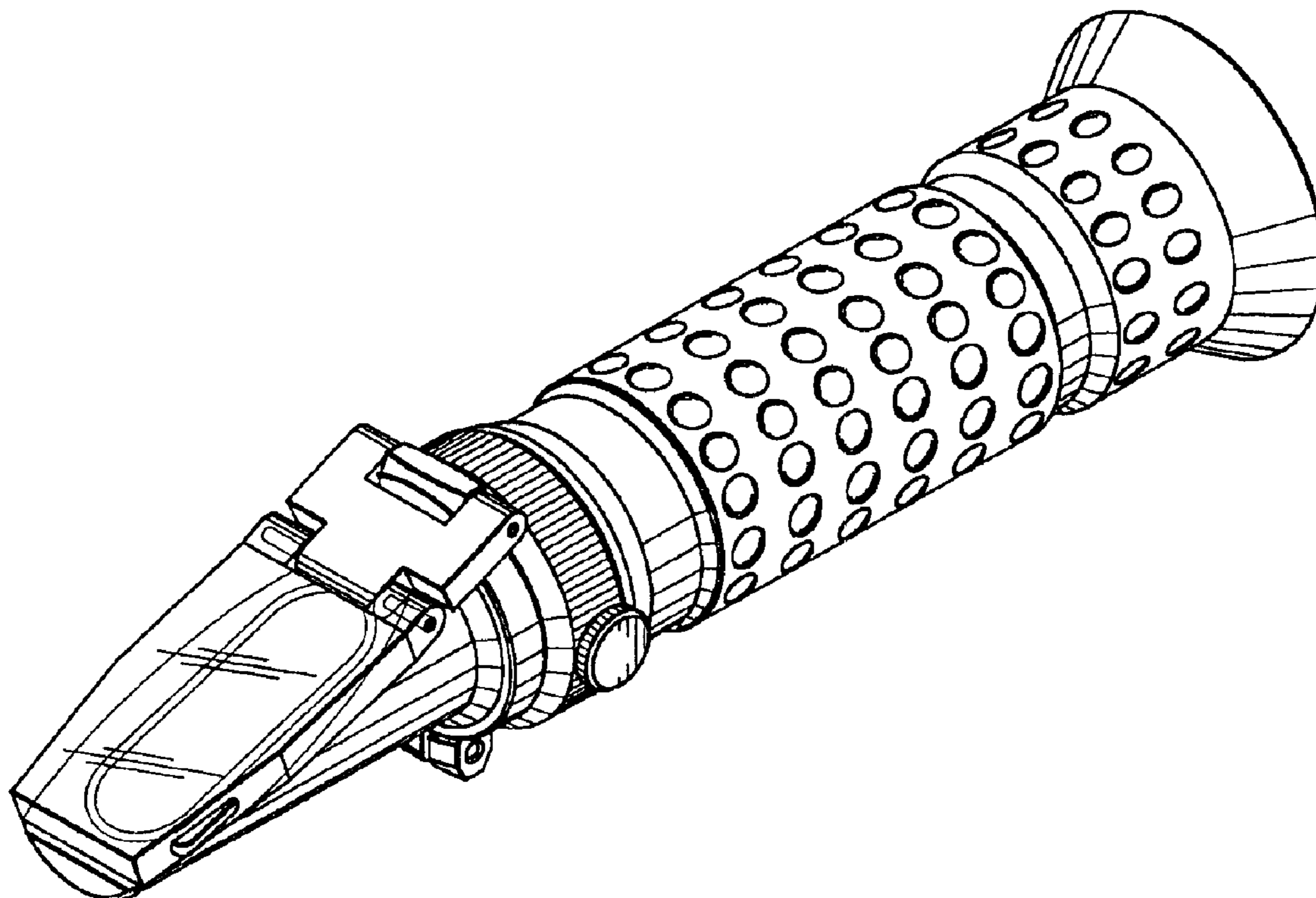
(57) **CLAIM**

The ornamental design for a refractometer, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a refractometer.
FIG. 2 is a right side elevational view of the invention.
FIG. 3 is a left side elevational view of the invention.
FIG. 4 is a top plan view of the invention.
FIG. 5 is a bottom plan view of the invention.
FIG. 6 is a front elevational view of the invention; and,
FIG. 7 is a rear elevational view of the invention.

1 Claim, 2 Drawing Sheets



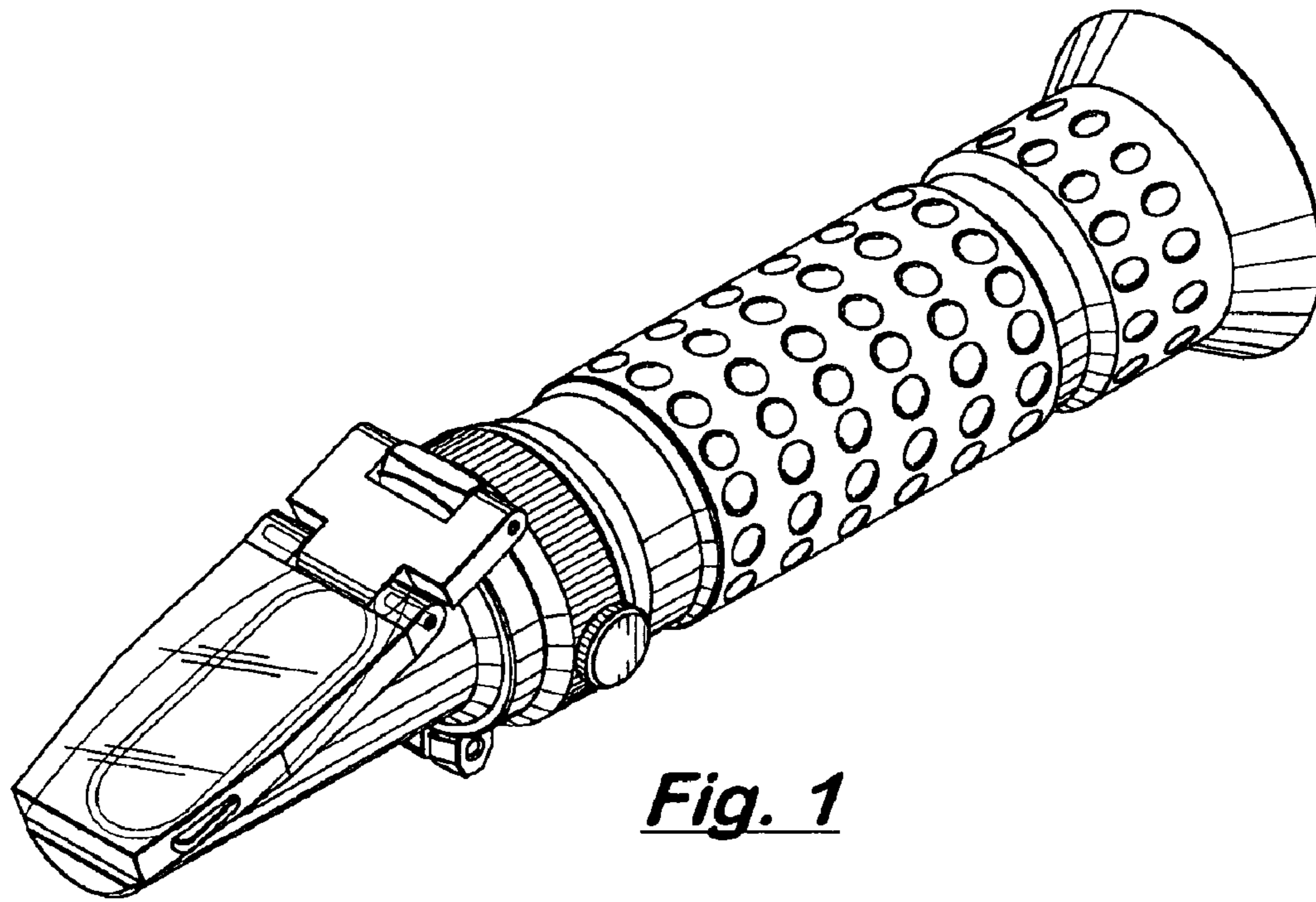


Fig. 1

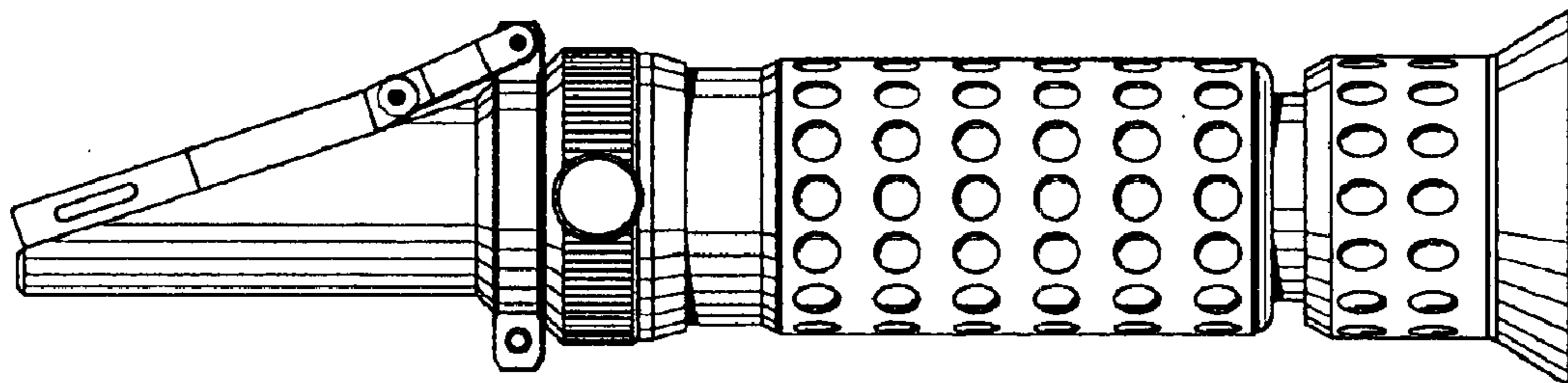


Fig. 2

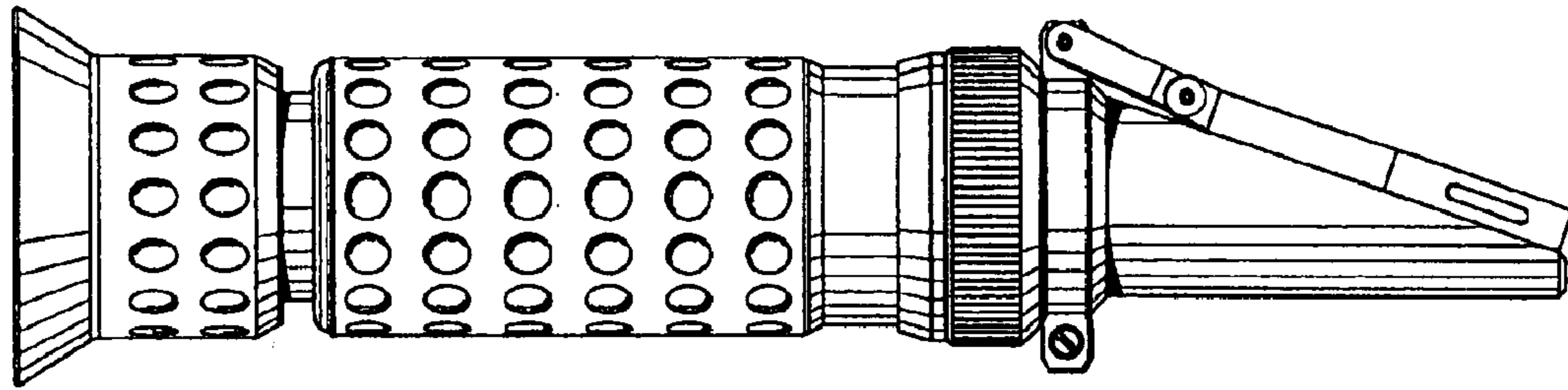


Fig. 3

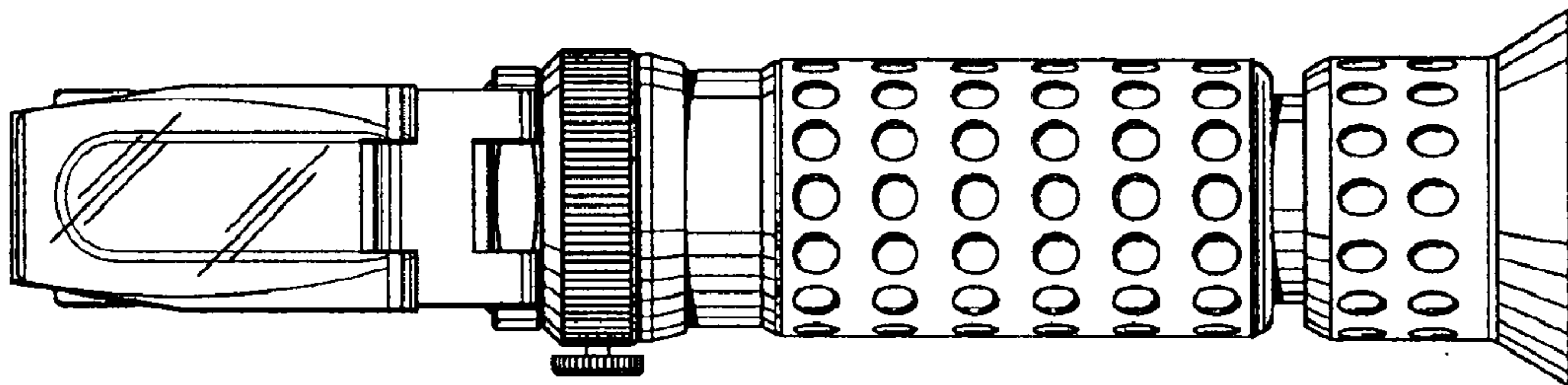


Fig. 4

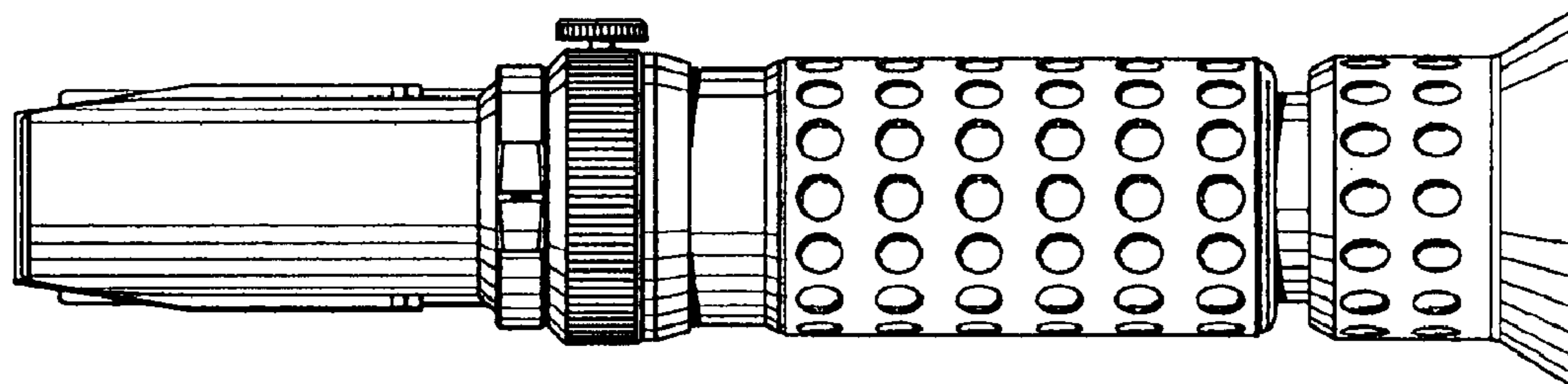


Fig. 5

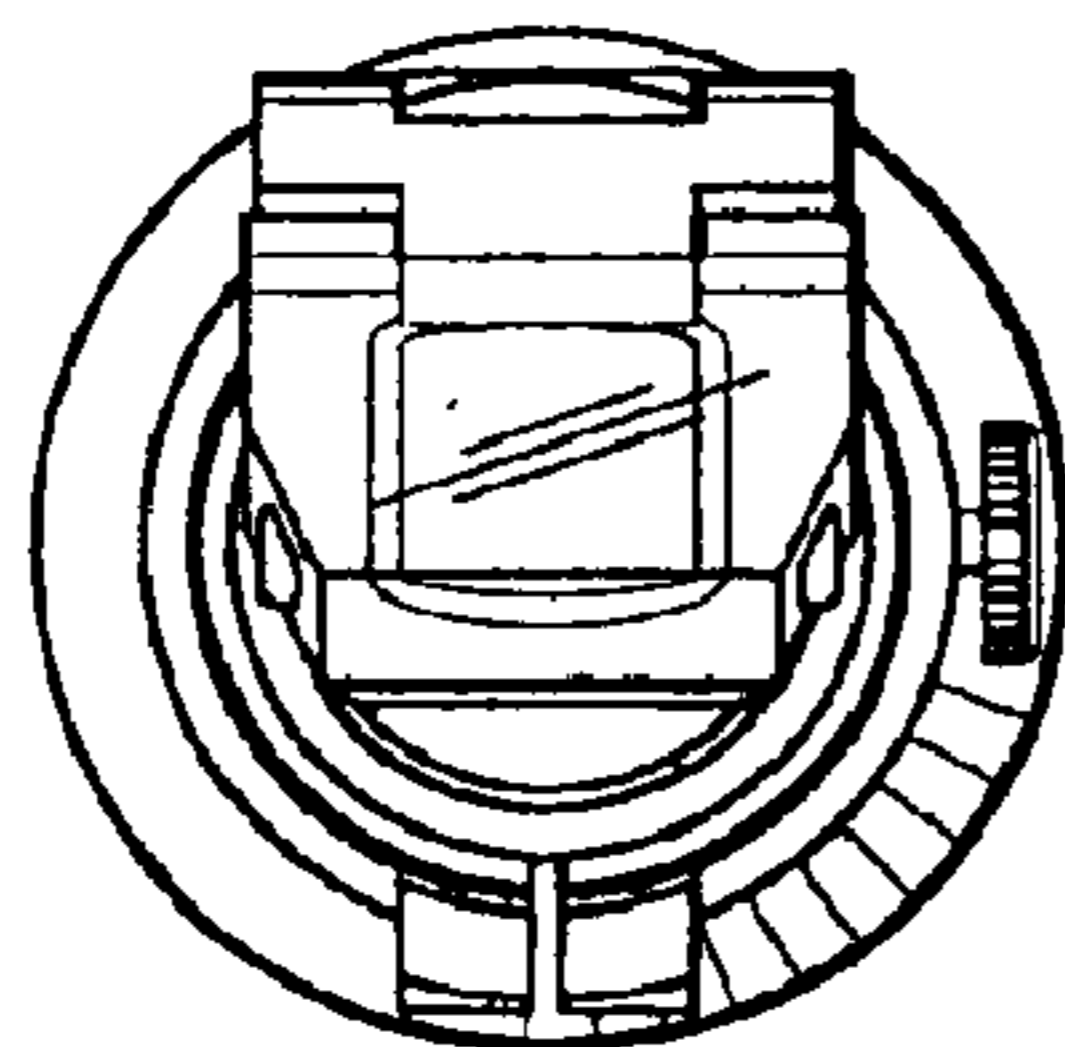


Fig. 6

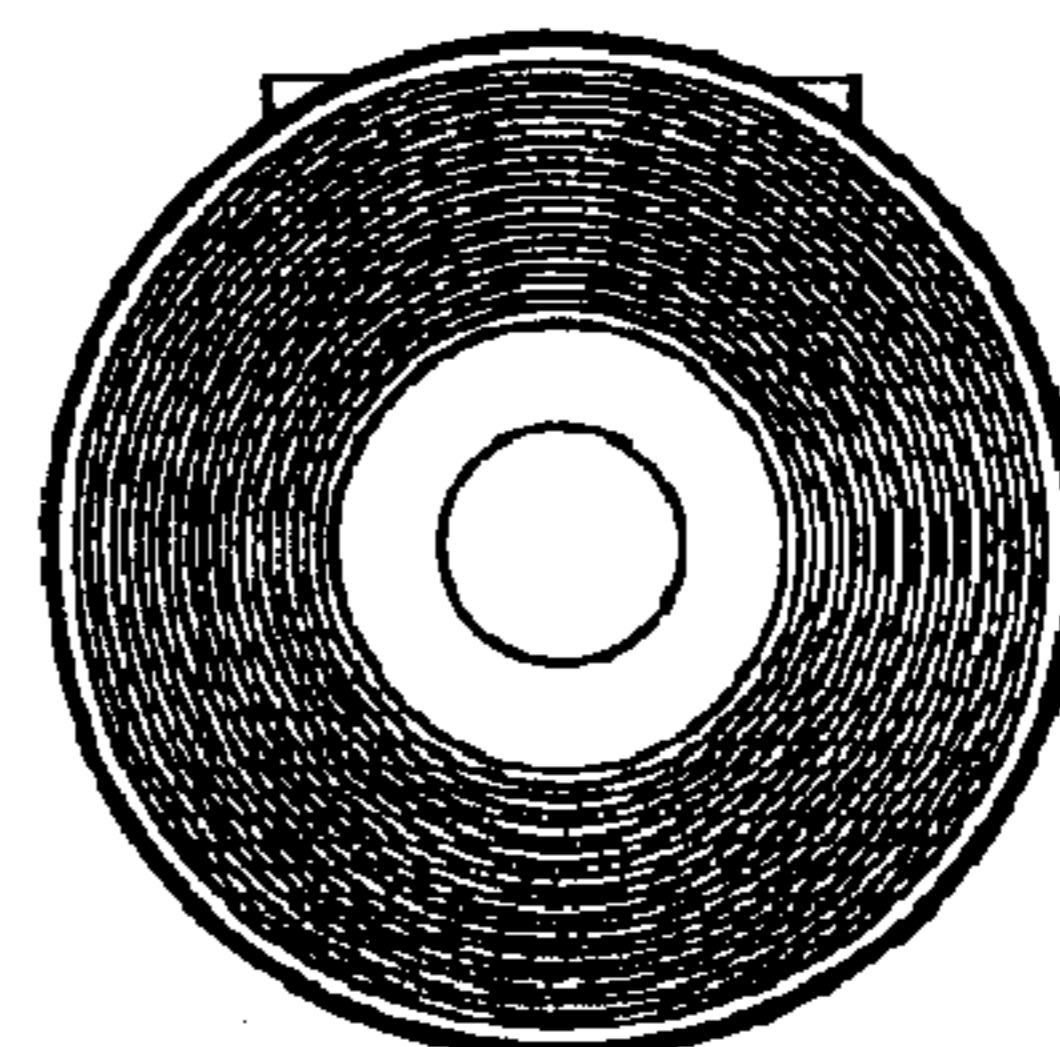


Fig. 7