



US00D335535S

United States Patent [19]

Arioka et al.

[11] Patent Number: Des. 335,535

[45] Date of Patent: ** May 11, 1993

[54] CYLINDER WITH DRIP CHAMBER FOR INFUSION

[75] Inventors: Tetsuya Arioka; Masashi Yoshikawa, both of Tokyo, Japan

[73] Assignee: Terumo Kabushiki Kaisha, Tokyo, Japan

[**] Term: 14 Years

[21] Appl. No.: 495,293

[22] Filed: Mar. 16, 1990

[30] Foreign Application Priority Data

Sep. 19, 1989 [JP] Japan 1-33909
Sep. 19, 1989 [JP] Japan 1-33910

[52] U.S. Cl. D24/117; D24/112; D24/129

[58] Field of Search D24/108, 107, 112, 111, D24/117, 129; 128/13; 285/260; 137/177, 197; 210/94, 436, 488; 604/411, 905, 251, 252, 241, 153, 246, 65, 177, 197

[56] References Cited

U.S. PATENT DOCUMENTS

D. 235,150 5/1975 Terman D24/117
D. 319,698 9/1991 Arioka et al. D24/129 X
3,834,386 9/1974 Sisley 604/251
4,136,692 1/1979 Goldowsky 604/251
4,332,247 6/1982 Mittleman et al. 604/251 X
4,521,212 6/1985 Ruschke 604/252 X
4,533,347 8/1985 Deckert D24/129 X
4,553,964 11/1985 Sasaki 604/251 X

FOREIGN PATENT DOCUMENTS

707025 6/1987 Japan .

OTHER PUBLICATIONS

D.R.O. Medical Prod. Inc., Sonia Kleiwmann, Oct. 7, 1985.

Terumo Product Information, Terumo Corporation, Printed in Japan (Oct. 1988).

Terufusion Volumetric Solution Administration Set, Terumo Corporation, Printed in Japan (Oct. 4, 1986).

Primary Examiner—Stella Reid

Assistant Examiner—I. Simmons

Attorney, Agent, or Firm—Frishauf, Holtz, Goodman & Woodward

[57] CLAIM

The ornamental design for a cylinder with drip chamber for infusion, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a cylinder with drip chamber for infusion showing our new design;

FIG. 2 is a front elevational view thereof, the rear elevational view being identical thereto;

FIG. 3 is a left side elevational view thereof;

FIG. 4 is a right side elevational view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a cross-sectional view thereof, taken along line VII—VII of FIG. 5;

FIG. 8 is a perspective view of a second embodiment of the cylinder with drip chamber for infusion;

FIG. 9 is a front elevational view thereof;

FIG. 10 is a rear elevational view thereof;

FIG. 11 is a left side elevational view thereof;

FIG. 12 is a right side elevational view thereof;

FIG. 13 is a top plan view thereof;

FIG. 14 is a bottom plan view thereof; and,

FIG. 15 is a cross-sectional view thereof taken along lines XV—XV of FIG. 13.

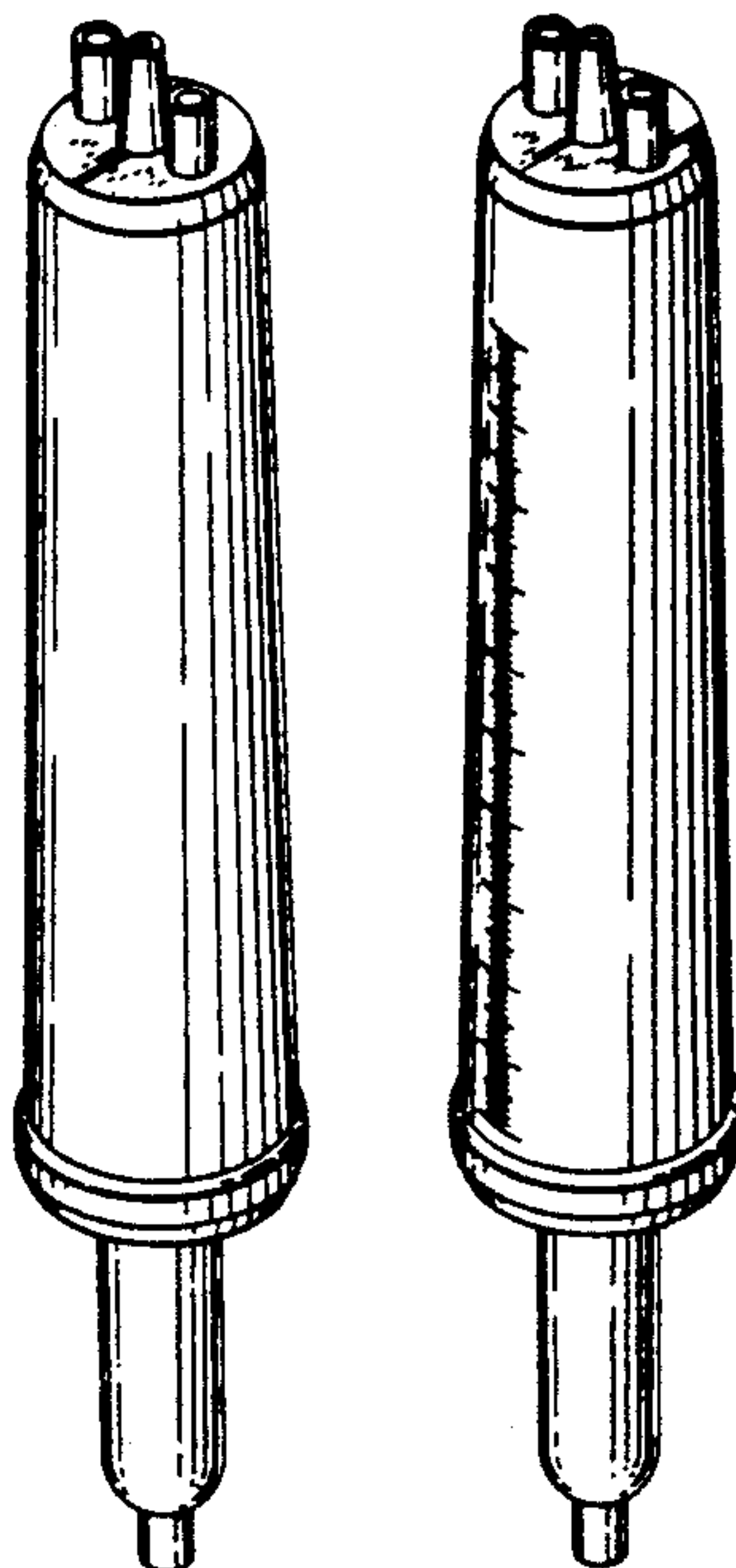


FIG.1

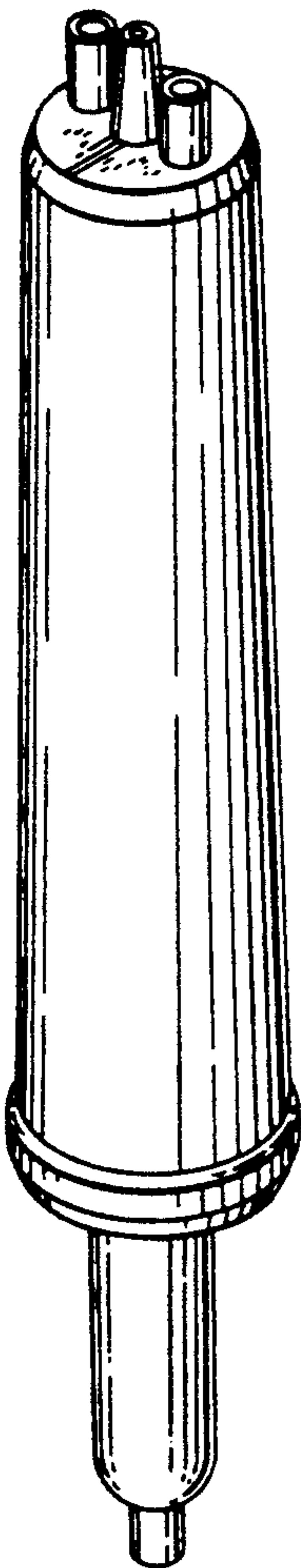


FIG.2

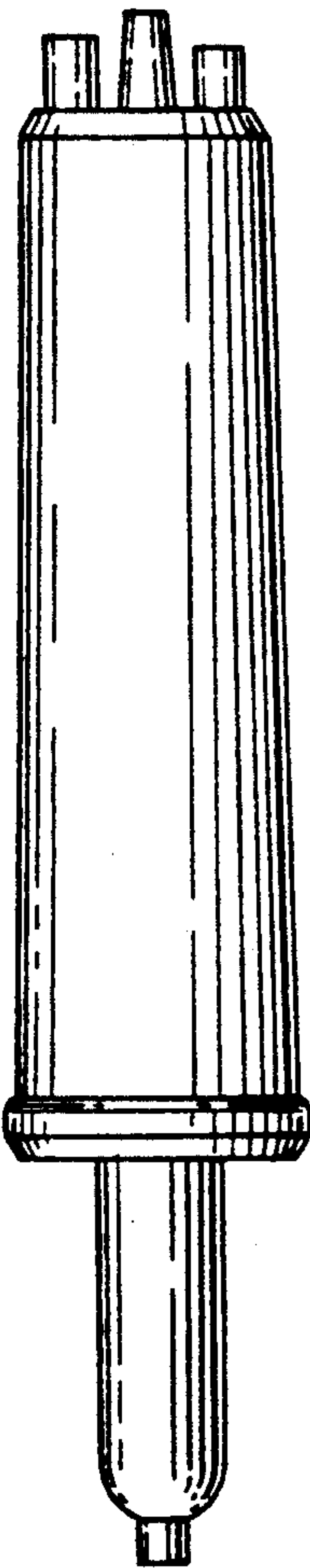


FIG.3

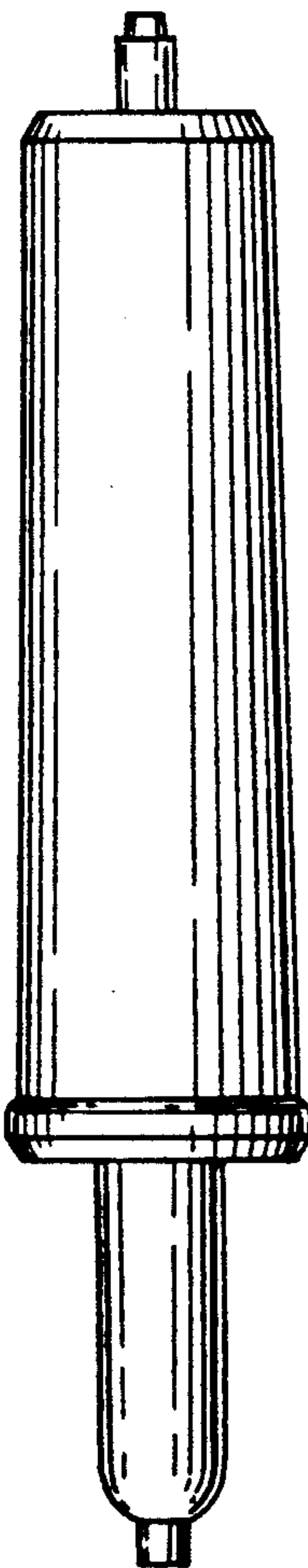


FIG.4

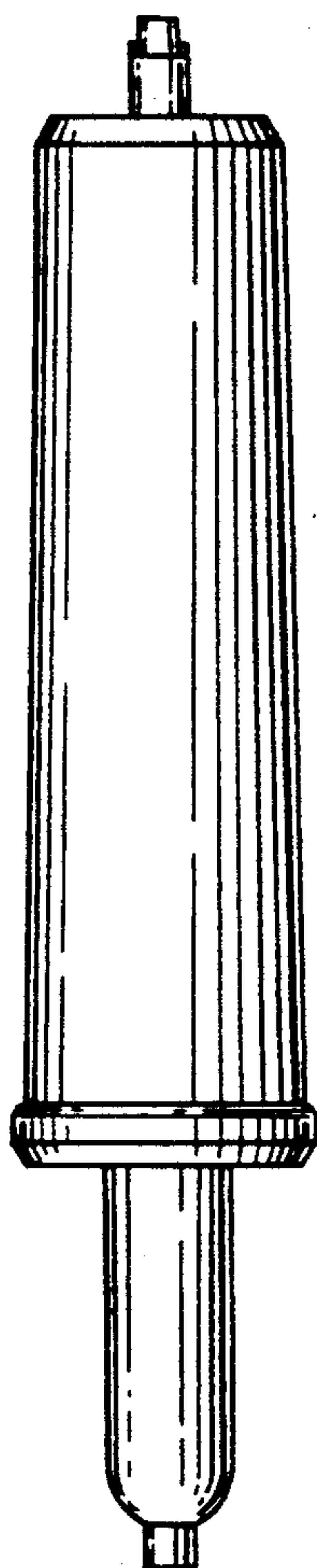


FIG.5

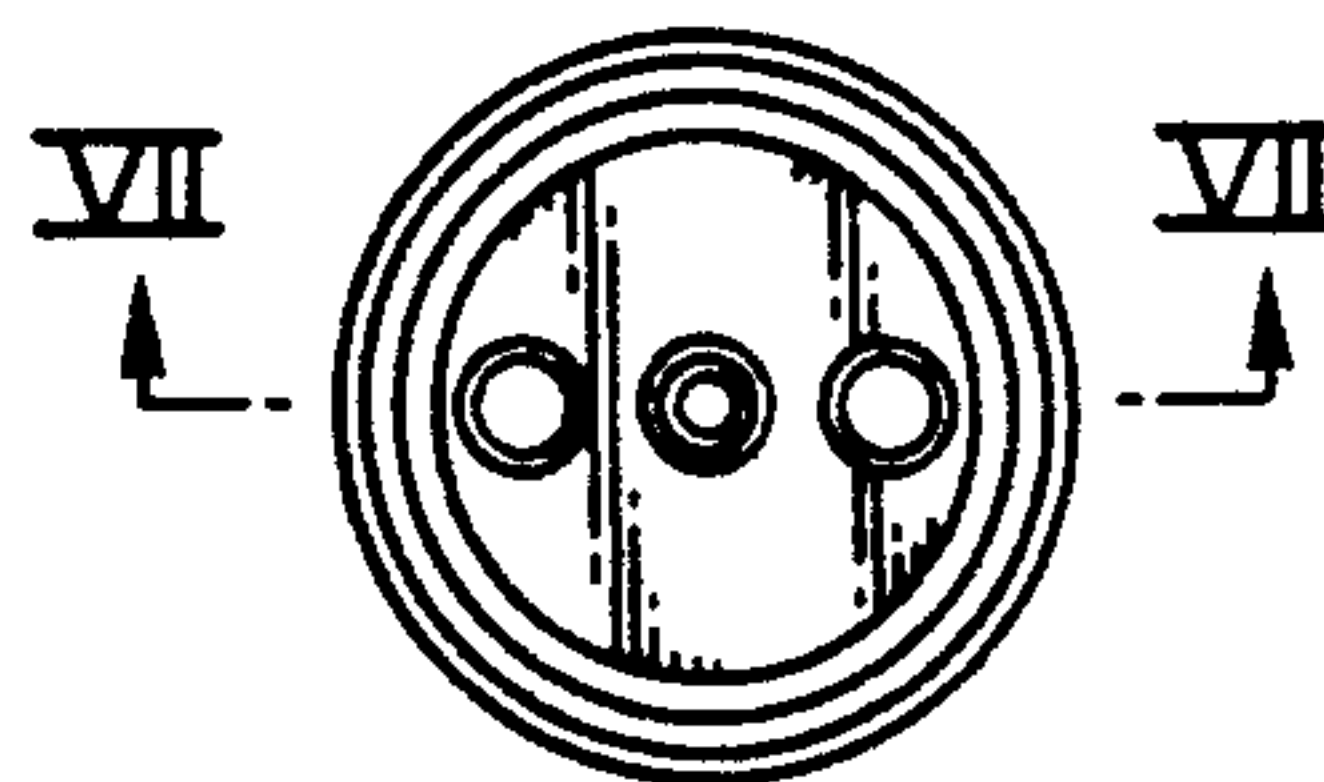


FIG.7

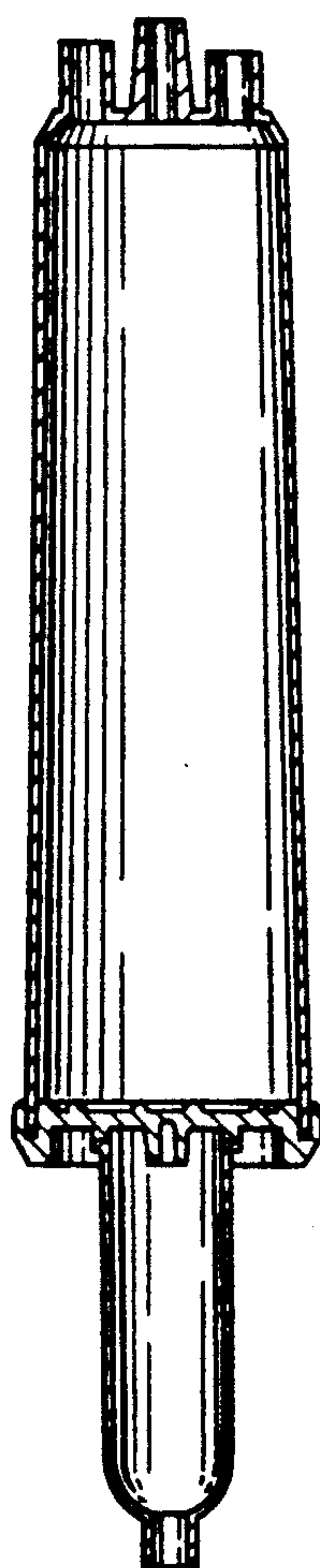


FIG.6

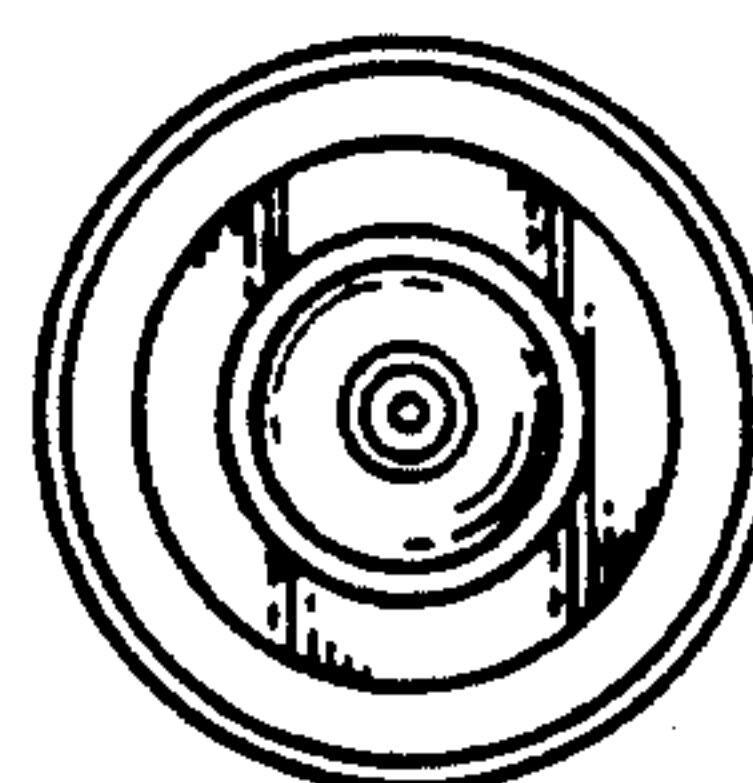


FIG.8

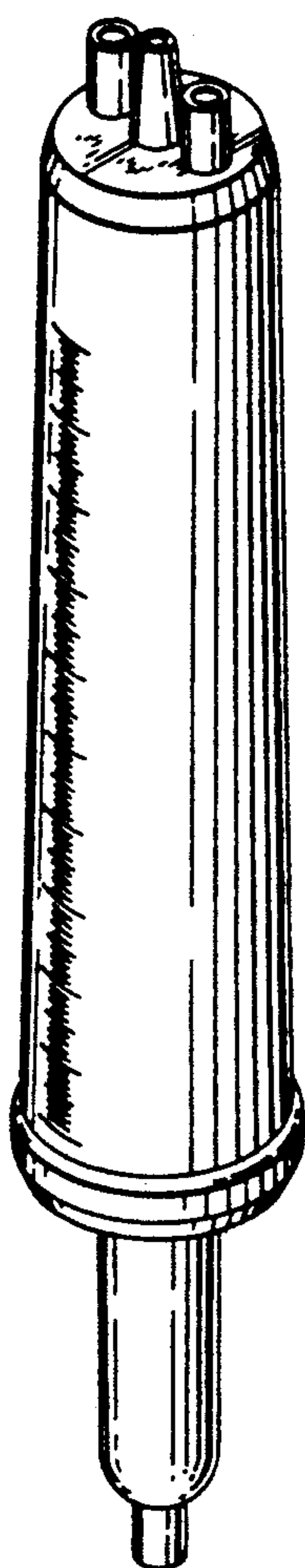


FIG.9

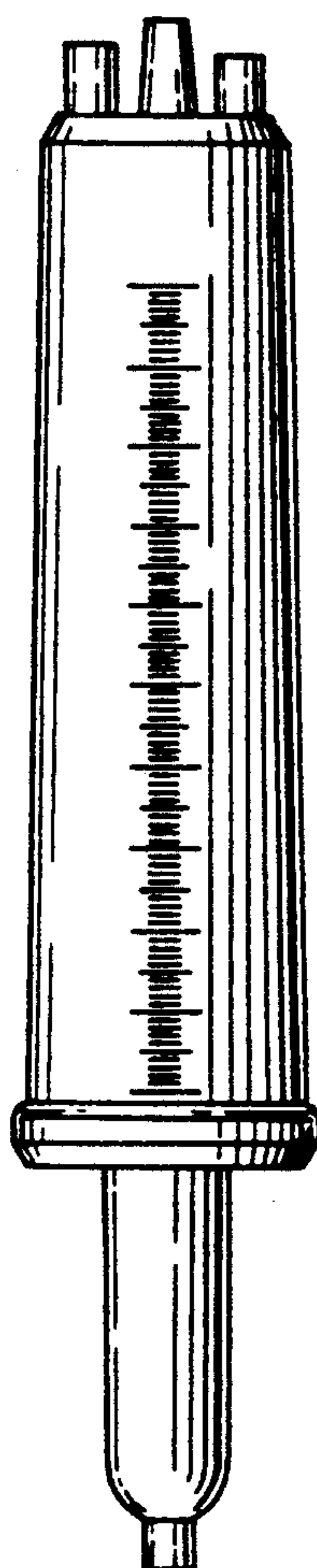


FIG.10

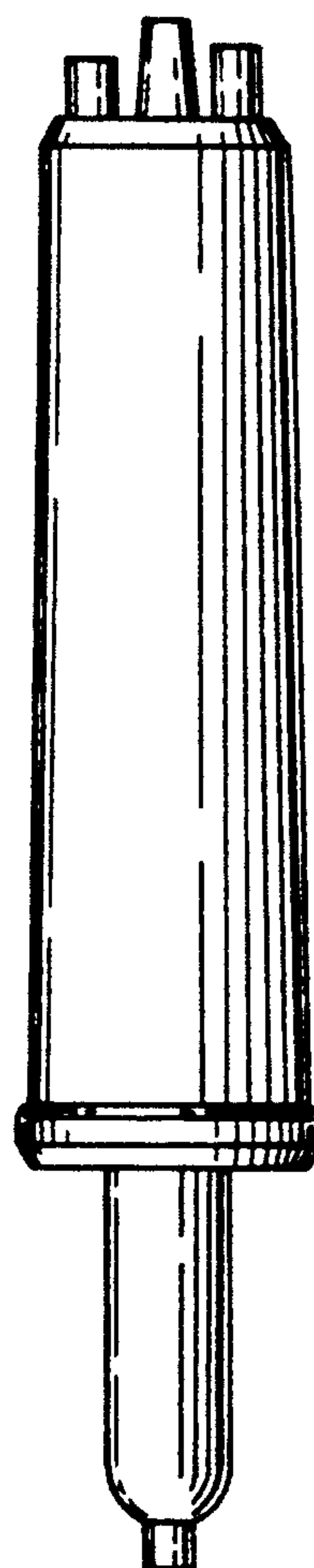


FIG.11

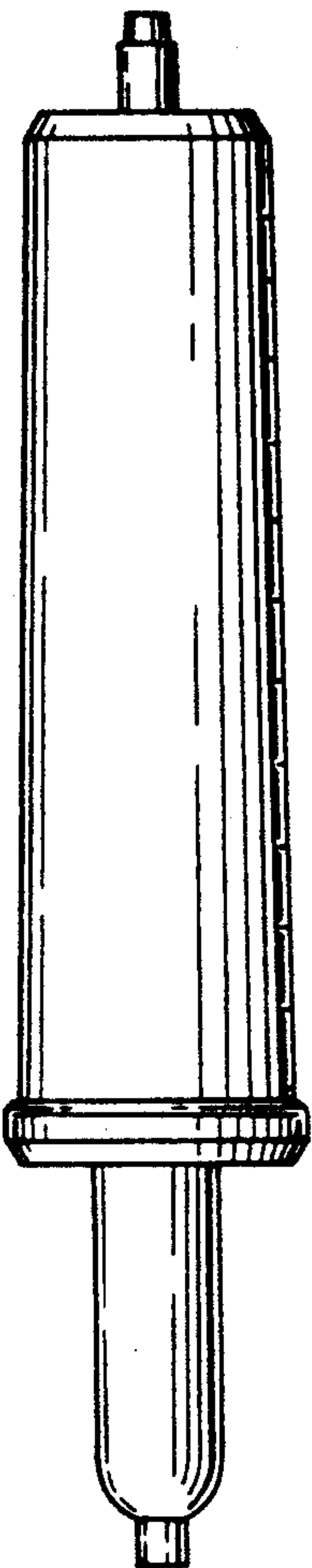


FIG.12

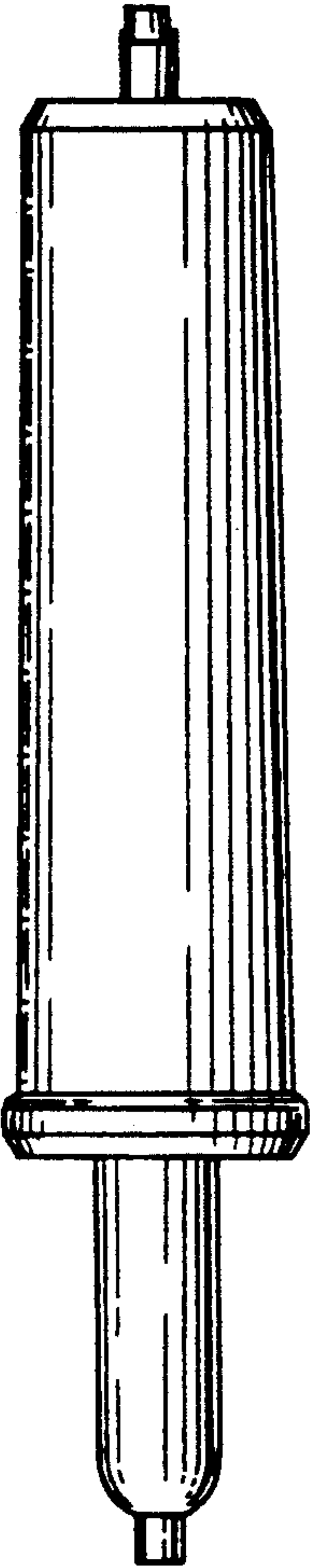


FIG.15

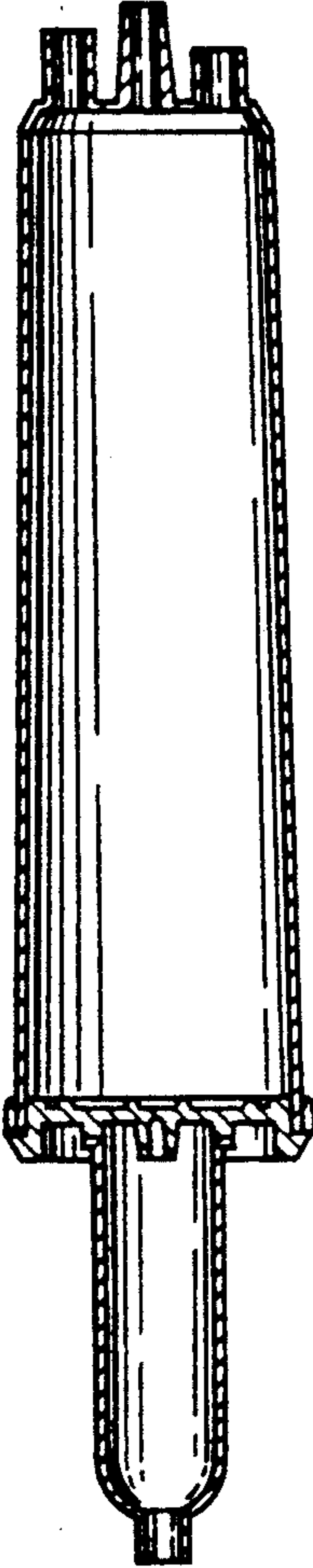


FIG.13

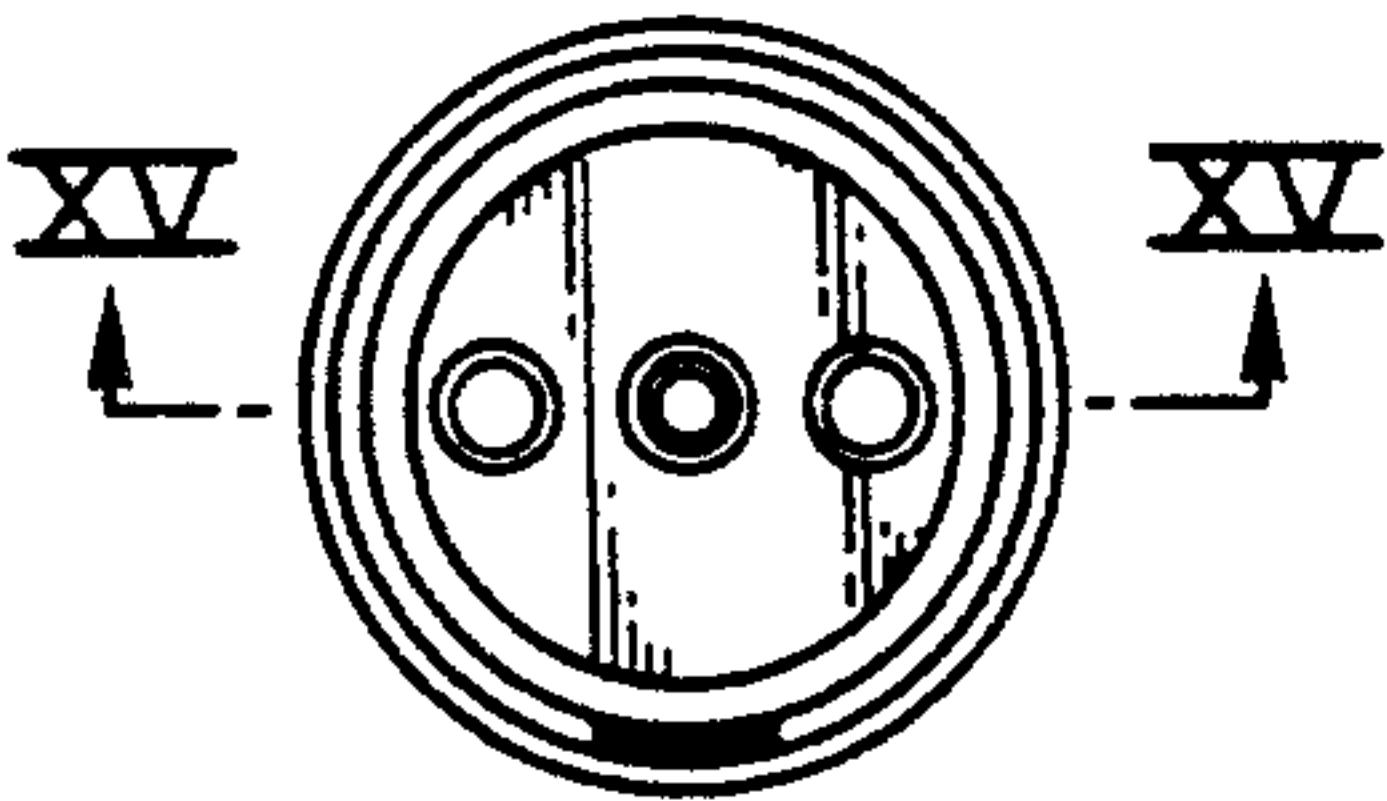


FIG.14

