



US00D487152S

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

(10) **Patent No.:** **US D487,152 S**

(45) **Date of Patent:** **** Feb. 24, 2004**

(54) **DENTAL IMPLANT ABUTMENT**

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Gary Qi, Memphis, TN (US); **Andrew J. Schulter**, Germantown, TN (US)

(73) Assignee: **Cagenix, Inc.**, Memphis, TN (US)

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

(21) Appl. No.: **29/177,950**

(22) Filed: **Mar. 18, 2003**

(51) **LOC (7) Cl.** **24-01**

(52) **U.S. Cl.** **D24/156**

(58) **Field of Search** D24/156; 433/172,
433/173

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,810,590 A * 9/1998 Fried et al. 433/172

* cited by examiner

Primary Examiner—Antoine Duval Davis

(74) *Attorney, Agent, or Firm*—Butler, Snow, O'Mara,
Stevens & Cannada, PLLC.

(57) **CLAIM**

The ornamental design for a dental implant abutment, as shown and described.

DESCRIPTION

This related application include “Unitary Dental Implant”, Ser. No. 29/177,938; “Dental Implant Fixture”, Ser. No. 29/177,946; “Dental Implant Fixture”, Ser. No. 29/177,947; “Dental Implant Fixture”, Ser. No. 29/177,944; “Dental Implant Fixture”, Ser. No. 29/177,939; “Dental Implant Fixture”, Ser. No. 29/177,945; “Dental Implant Abutment”, Ser. No. 29/177,925; “Dental Implant Abutment”, Ser. No. 29/177,949; “Dental Implant Abutment”, Ser. No. 29/177,926; “Dental Implant Abutment”, Ser. No. 29/177,948; and “Dental Implant Abutment”, Ser. No. 29/178,012, all of which are filed contemporaneously herewith.

FIG. 1 is a top perspective view of a first embodiment of the dental implant abutment according to the present invention; FIG. 2 is a top view of the first embodiment of the dental implant abutment; FIG. 3 is a left side view of the first embodiment of the dental implant abutment; FIG. 4 is a front view of the first embodiment of the dental implant abutment; FIG. 5 is a right side view of the first embodiment of the dental implant abutment; FIG. 6 is a rear view of the first embodiment of the dental implant abutment; FIG. 7 is a bottom view of the first embodiment of the dental implant abutment; FIG. 8 is a top perspective view of the second embodiment of the dental implant abutment; FIG. 9 is a top view of the second embodiment of the dental implant abutment; FIG. 10 is a left side view of the second embodiment of the dental implant abutment; FIG. 11 is a front view of the second embodiment of the dental implant abutment; FIG. 12 is a right side view of the second embodiment of the dental implant abutment; FIG. 13 is a rear view of the second embodiment of the dental implant abutment; FIG. 14 is a bottom view of the second embodiment of the dental implant abutment; FIG. 15 is a top perspective view of a third embodiment of the dental implant abutment; FIG. 16 is a top view of the third embodiment of the dental implant abutment; FIG. 17 is a left side view of the third embodiment of the dental implant abutment; FIG. 18 is a front view of the third embodiment of the dental implant abutment; FIG. 19 is a right side view of the third embodiment of the dental implant abutment; FIG. 20 is a rear view of the third embodiment of the dental implant abutment; FIG. 21 is a bottom view of the third embodiment of the dental implant abutment;

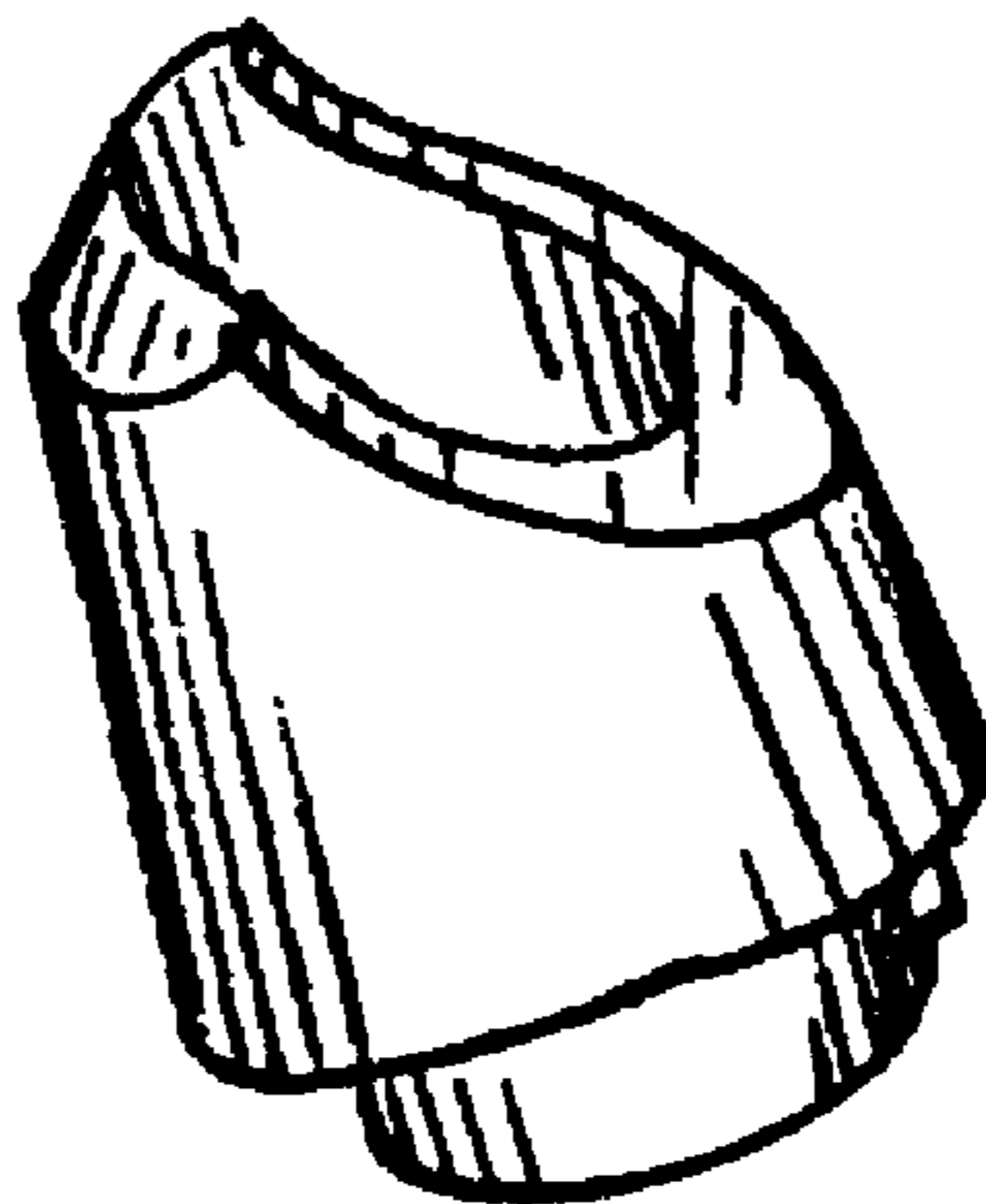


FIG. 22 is a top perspective view of a fourth embodiment of the dental implant abutment;

FIG. 23 is a top view of the fourth embodiment of the dental implant abutment;

FIG. 24 is a left side view of the fourth embodiment of the dental implant abutment;

FIG. 25 is a front view of the fourth embodiment of the dental implant abutment;

FIG. 26 is a right side view of the fourth embodiment of the dental implant abutment;

FIG. 27 is a rear view of the fourth embodiment of the dental implant abutment;

FIG. 28 is a bottom view of the fourth embodiment of the dental implant abutment;

FIG. 29 is a top perspective view of a fifth embodiment of the dental implant abutment;

FIG. 30 is a top view of the fifth embodiment of the dental implant abutment;

FIG. 31 is a left side view of the fifth embodiment of the dental implant abutment;

FIG. 32 is a front view of the fifth embodiment of the dental implant abutment;

FIG. 33 is a right side view of the fifth embodiment of the dental implant abutment;

FIG. 34 is a rear view of the fifth embodiment of the dental implant abutment;

FIG. 35 is a bottom view of the fifth embodiment of the dental implant abutment;

FIG. 36 is a top perspective view of a sixth embodiment of the dental implant abutment;

FIG. 37 is a top view of the sixth embodiment of the dental implant abutment;

FIG. 38 is a left side view of the sixth embodiment of the dental implant abutment;

FIG. 39 is a front view of the sixth embodiment of the dental implant abutment;

FIG. 40 is a right side view of the sixth embodiment of the dental implant abutment;

FIG. 41 is a rear view of the sixth embodiment of the dental implant abutment; and,

FIG. 42 is a bottom view of the sixth embodiment of the dental implant abutment.

FIGS. 1–7 illustrate a first embodiment of a dental implant abutment. The environment is shown in broken lines and forms no part of the design.

FIGS. 8–14 illustrate a second embodiment of a dental implant abutment. The environment is shown in broken lines and forms no part of the design. Elements of the abutment that form no part of the design of the second embodiment are shown in dashed lines.

FIGS. 15–21 illustrate a third embodiment of the dental implant abutment. The environment is shown in broken lines and forms no part of the design. Elements of the abutment that form no part of the design of the third embodiment are shown in dashed lines.

FIGS. 22–28 illustrate a fourth embodiment of a dental implant abutment. The environment is shown in broken lines and forms no part of the design.

FIGS. 29–35 illustrate a fifth embodiment of a dental implant abutment. The environment is shown in broken lines and forms no part of the design. Elements of the abutment that form no part of the design of the fifth embodiment are shown in dashed lines.

FIGS. 36–42 illustrate a sixth embodiment of a dental implant abutment. The environment is shown in broken lines and forms no part of the design. Elements of the abutment that form no part of the design of the sixth embodiment are shown in dashed lines.

The six embodiments of the dental implant abutment illustrated in FIGS. 1–42 are preferred for use on one side of the mouth. Six further embodiments of the dental implant abutment that are preferred for use on the other side of the mouth are mirror images of the six embodiments illustrated in FIGS. 1–42. These six additional embodiments are also intended to fall within the scope of the claim. However, since they are mirror images, they are not separately illustrated.

1 Claim, 6 Drawing Sheets

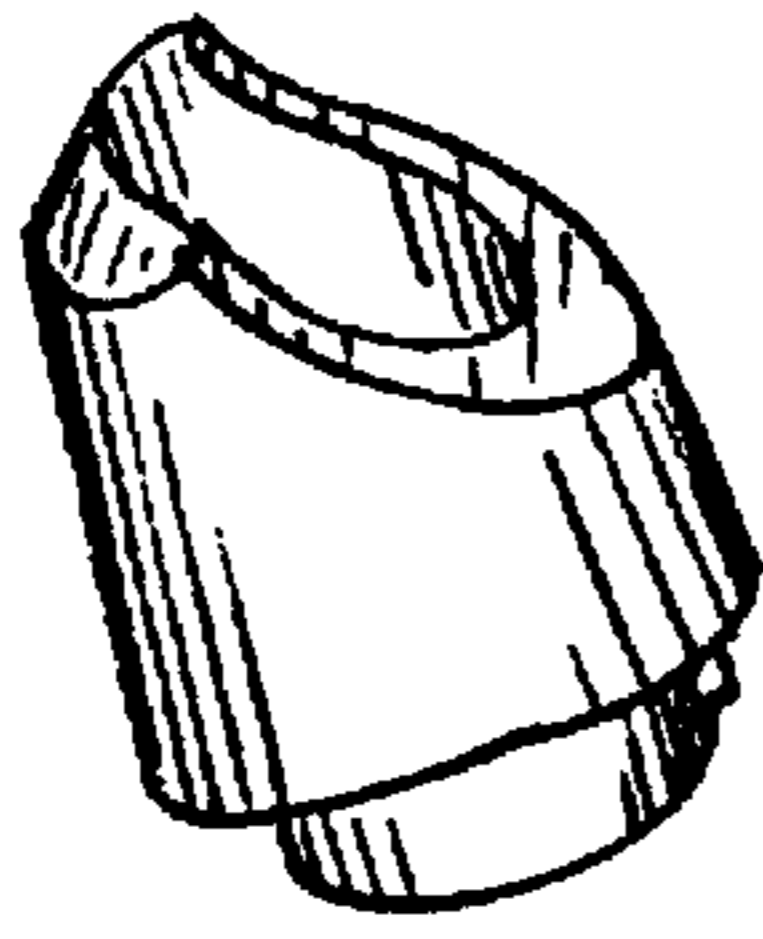


FIG. 1

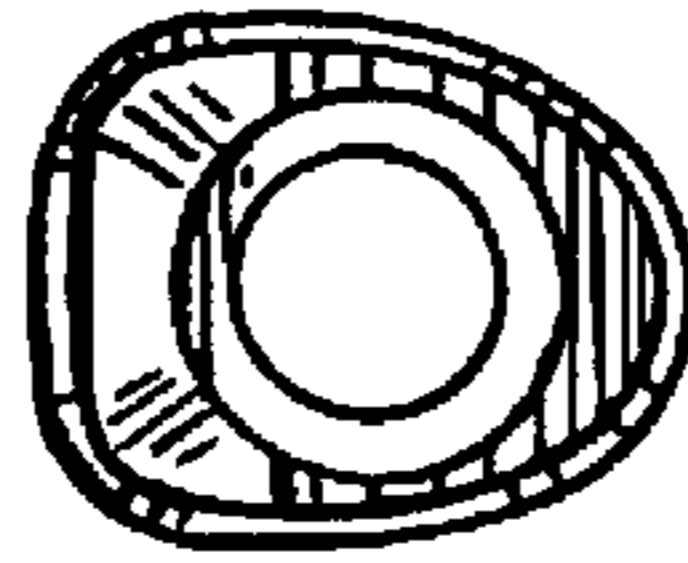


FIG. 2

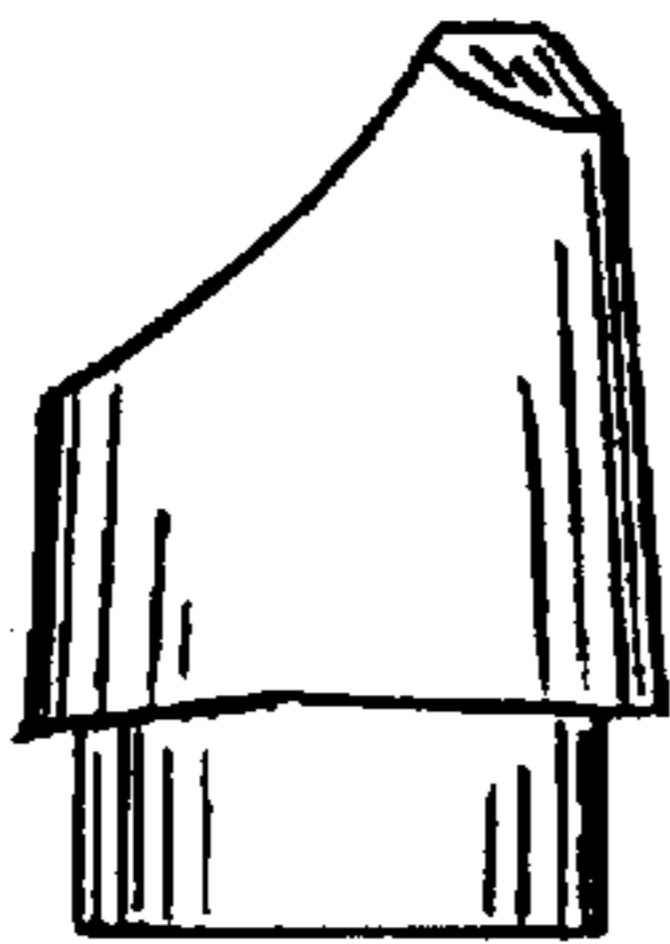


FIG. 5

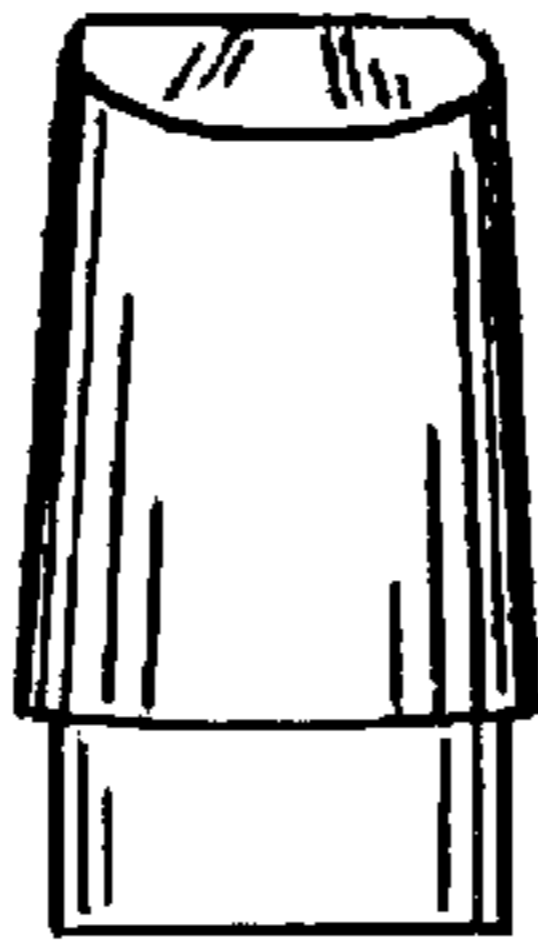


FIG. 4

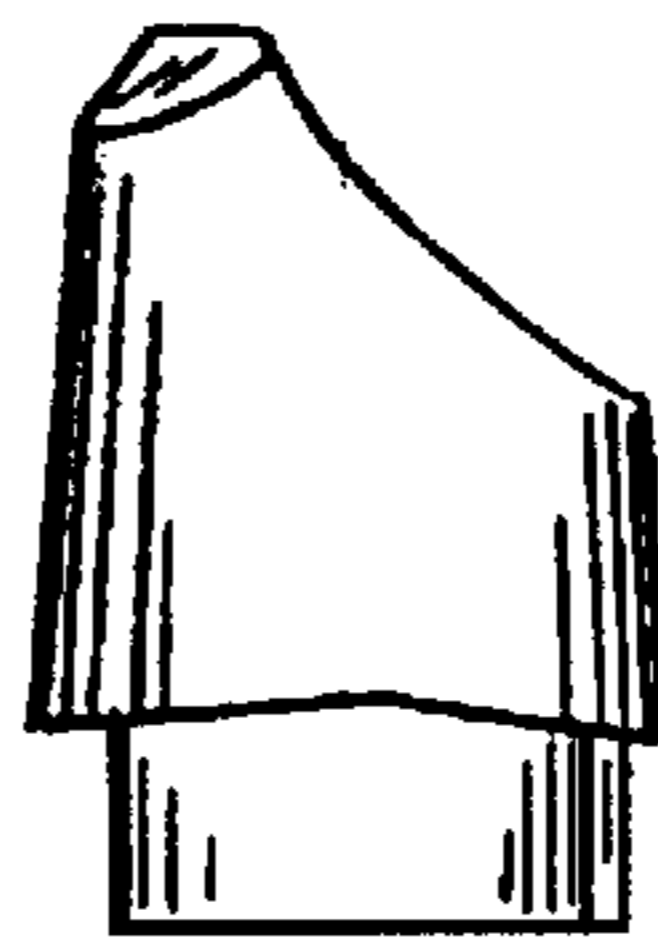


FIG. 3

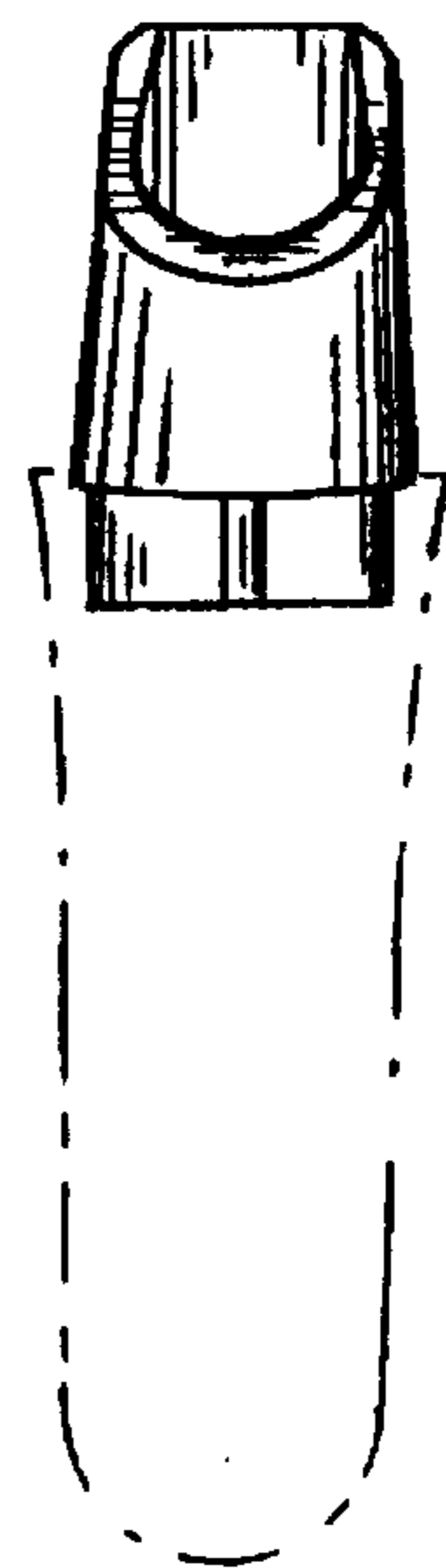


FIG. 6

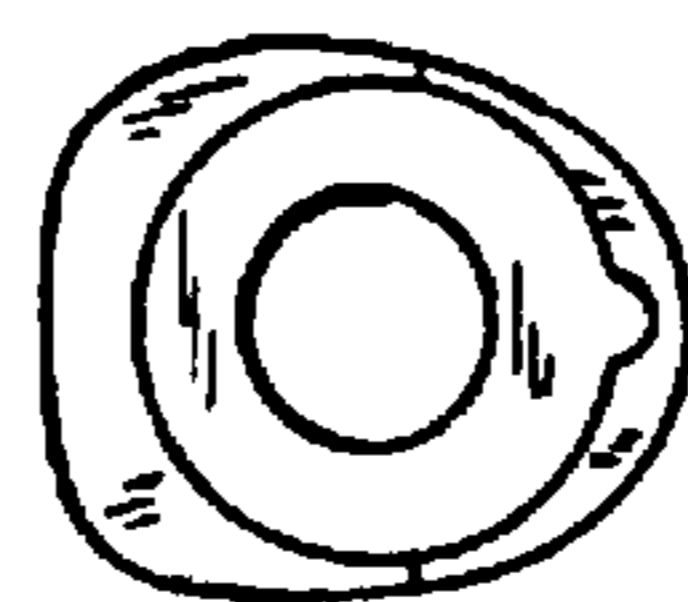


FIG. 7

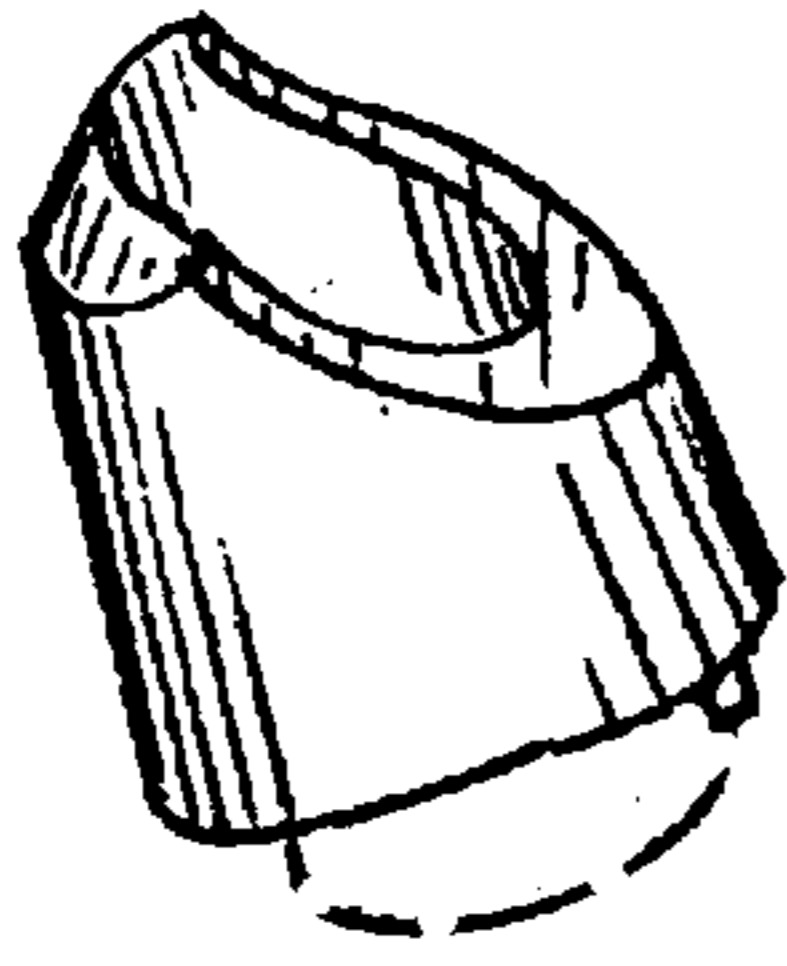


FIG. 8

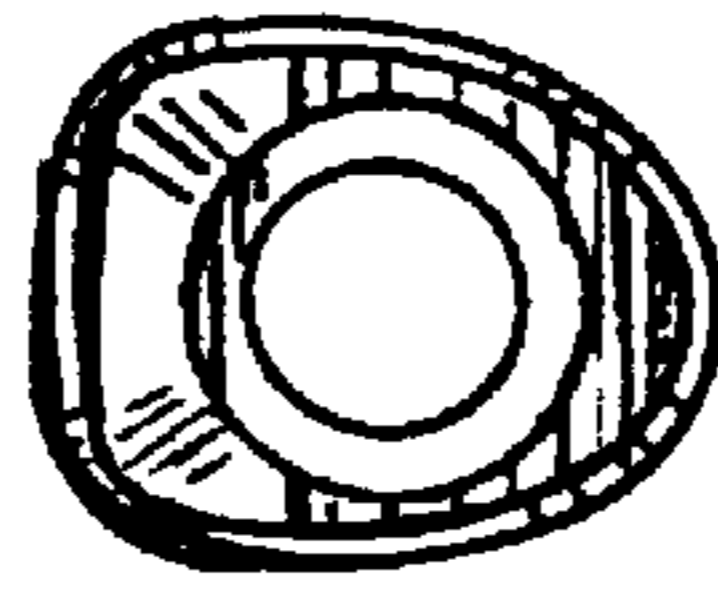


FIG. 9

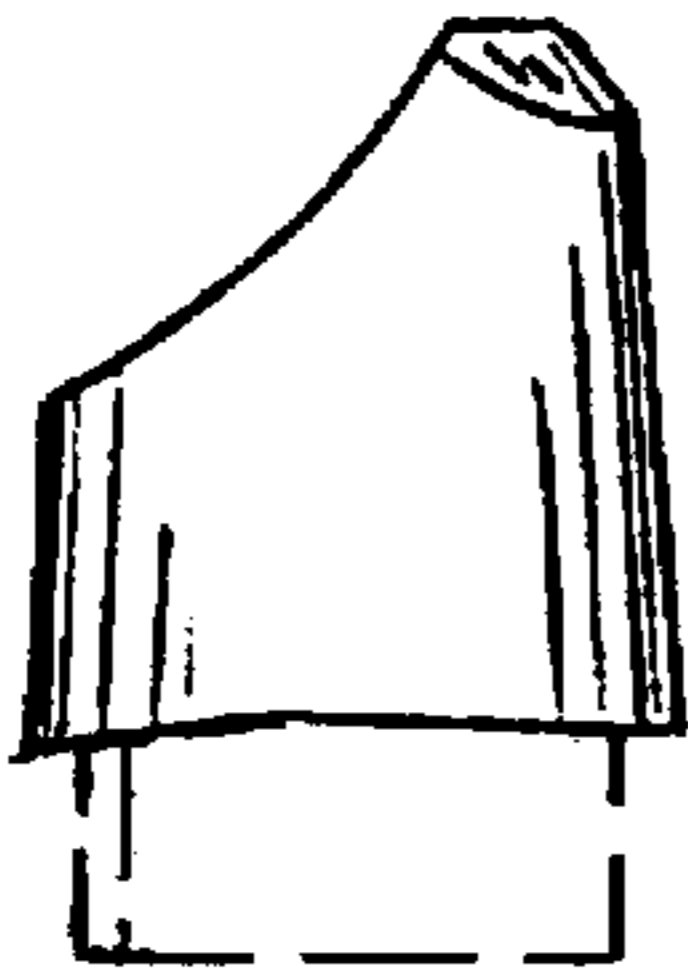


FIG. 12

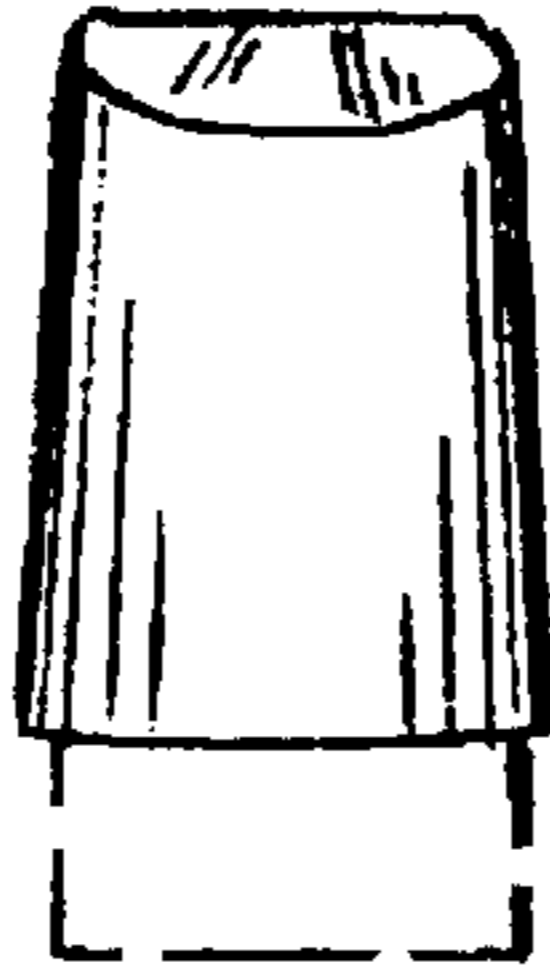


FIG. 11

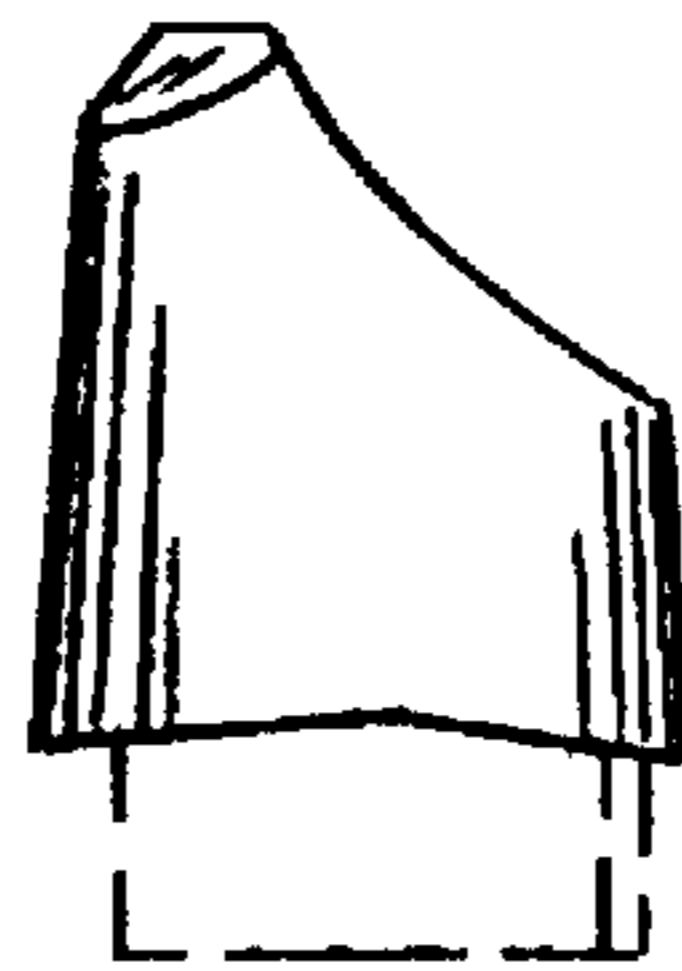


FIG. 10

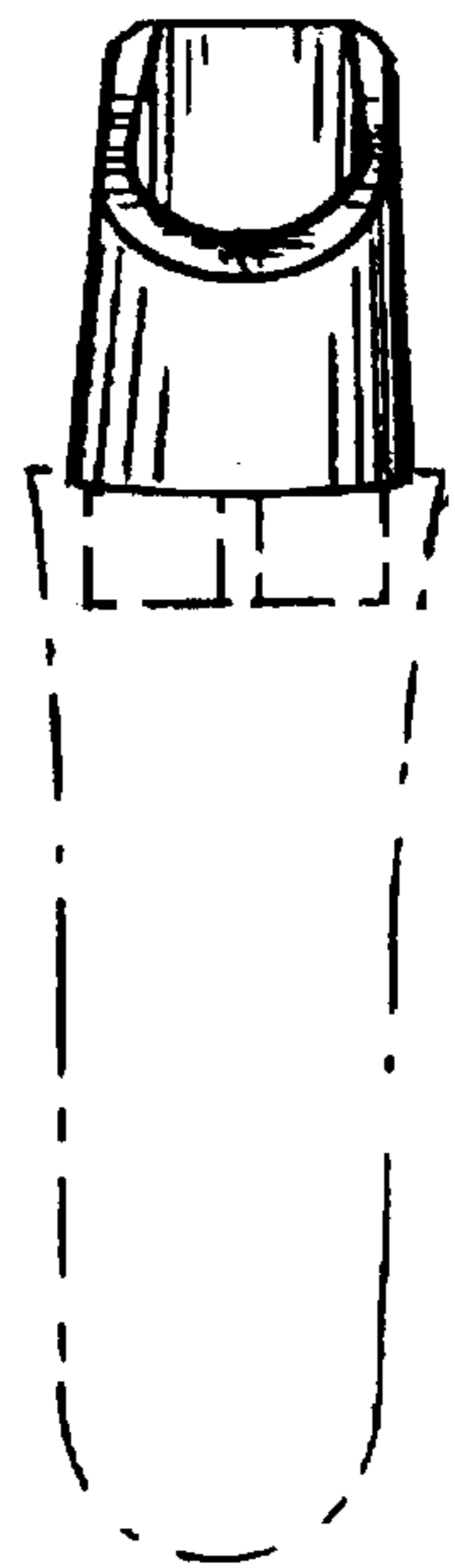


FIG. 13

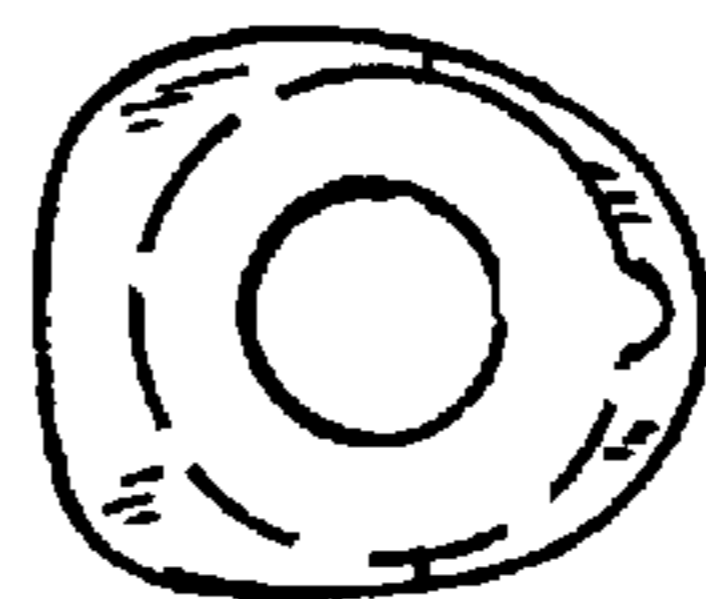


FIG. 14

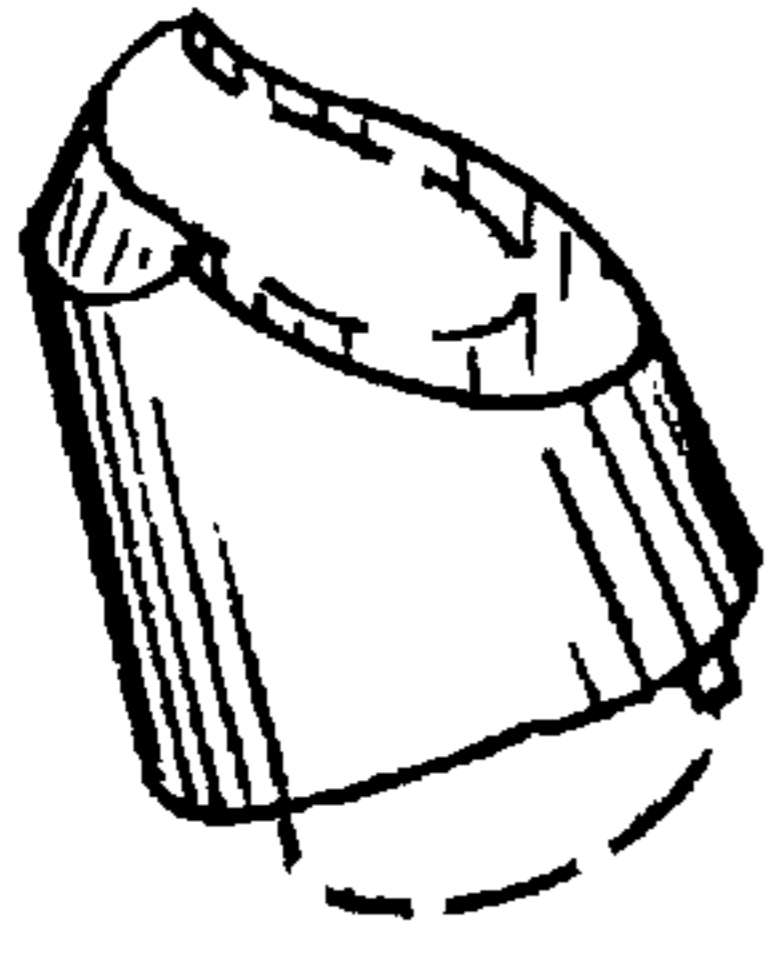


FIG. 15

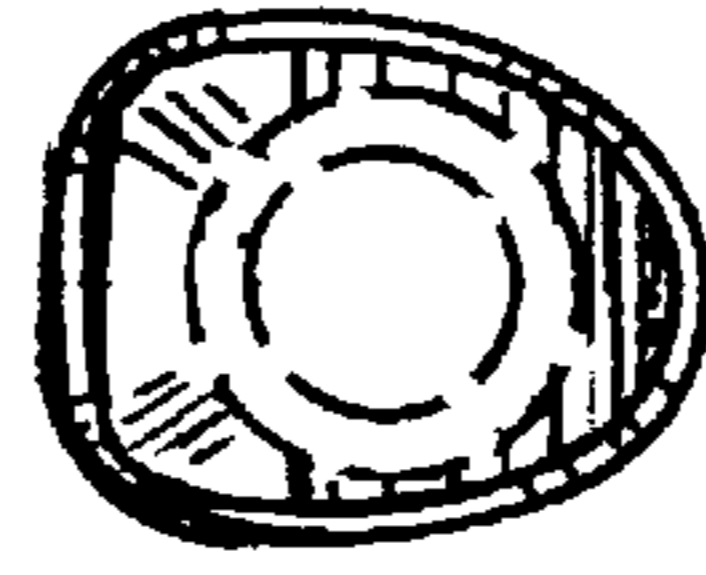


FIG. 16

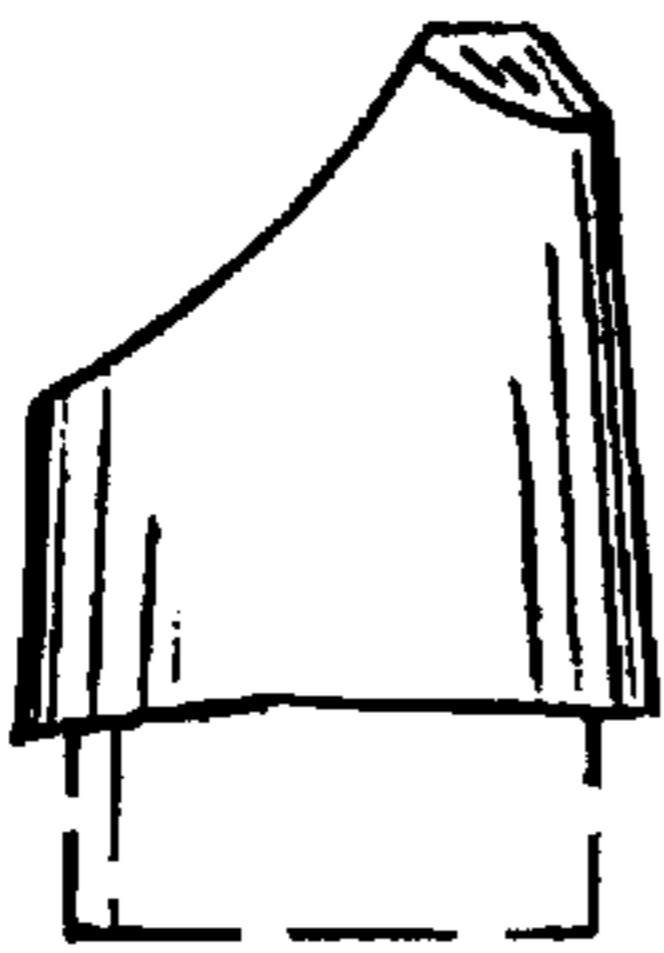


FIG. 19

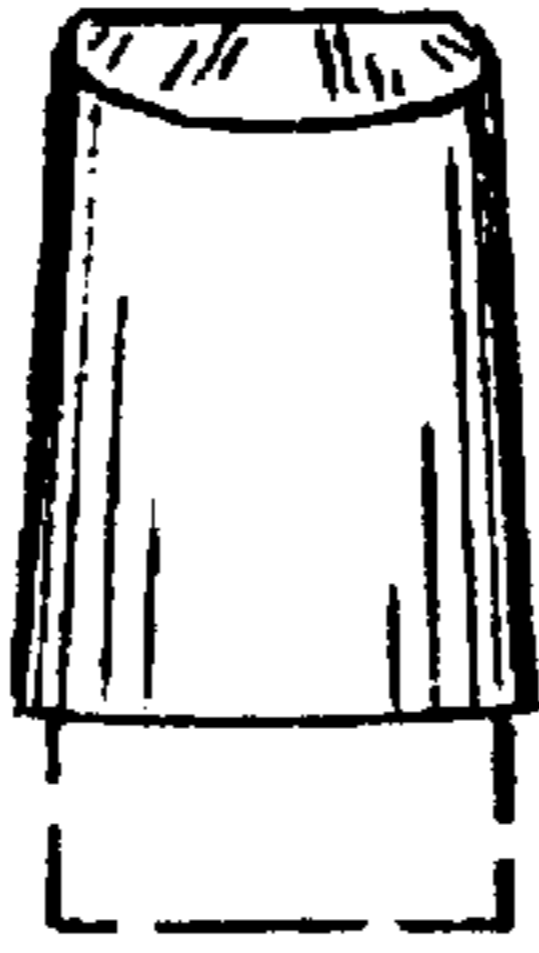


FIG. 18



FIG. 17

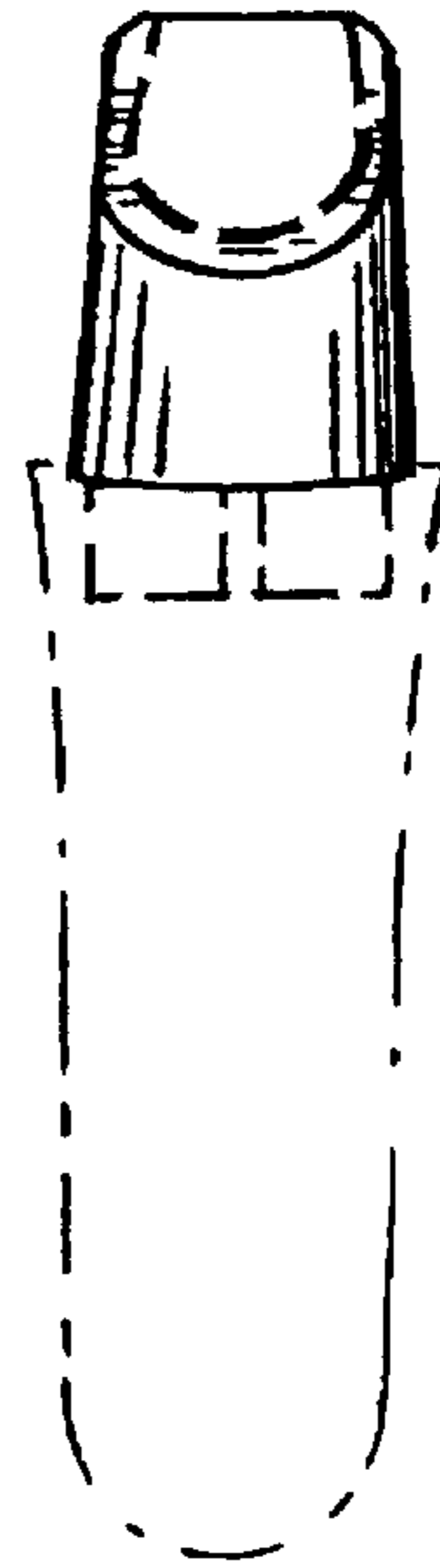


FIG. 20

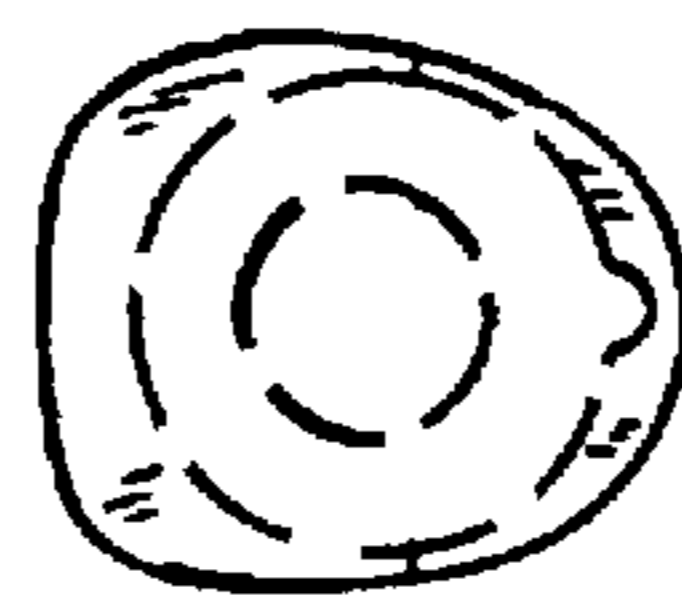


FIG. 21

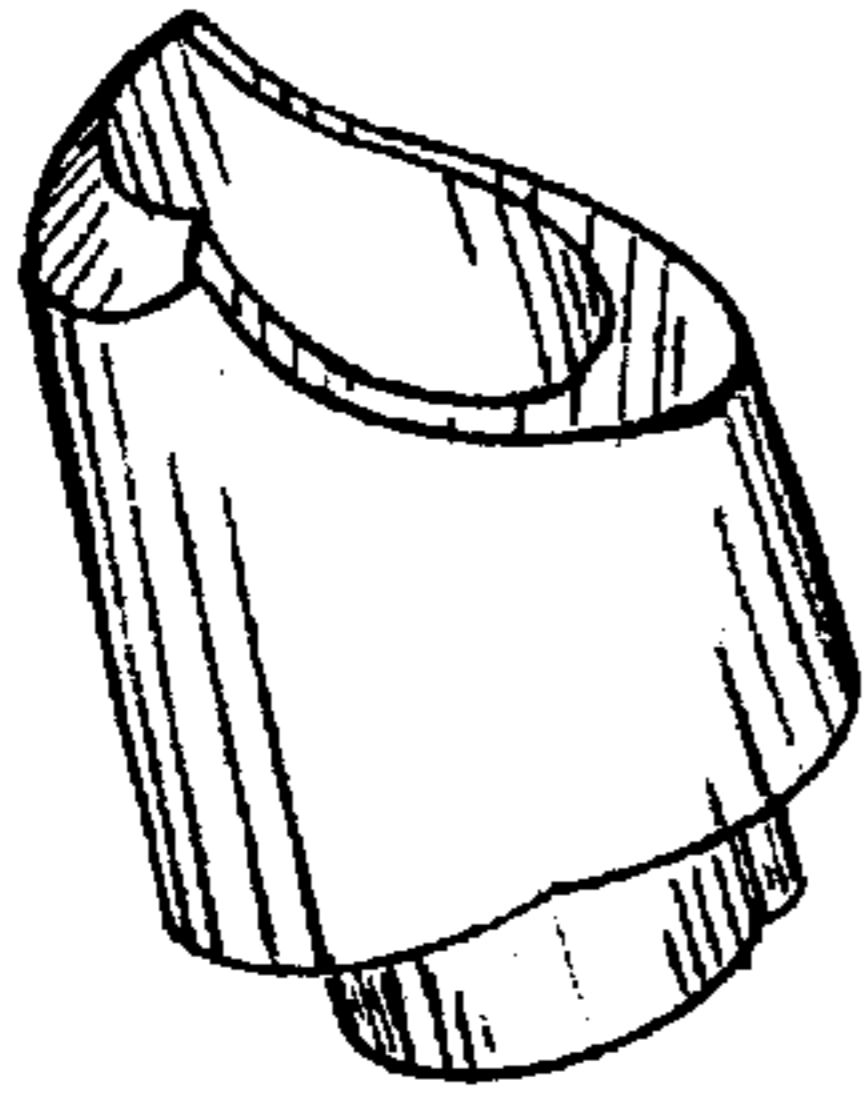


FIG. 22

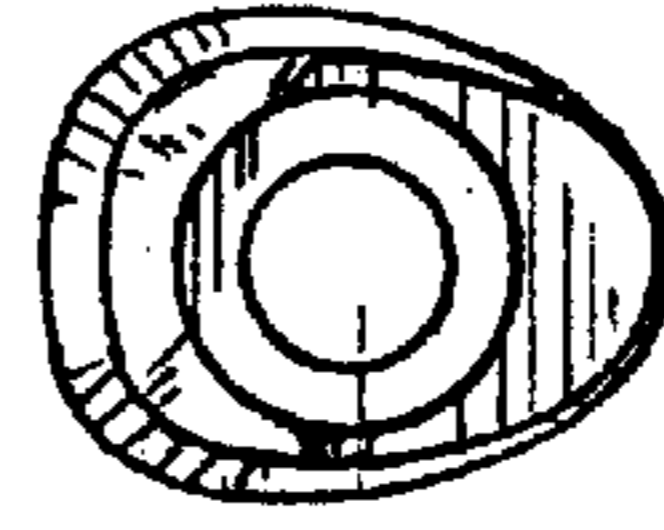


FIG. 23

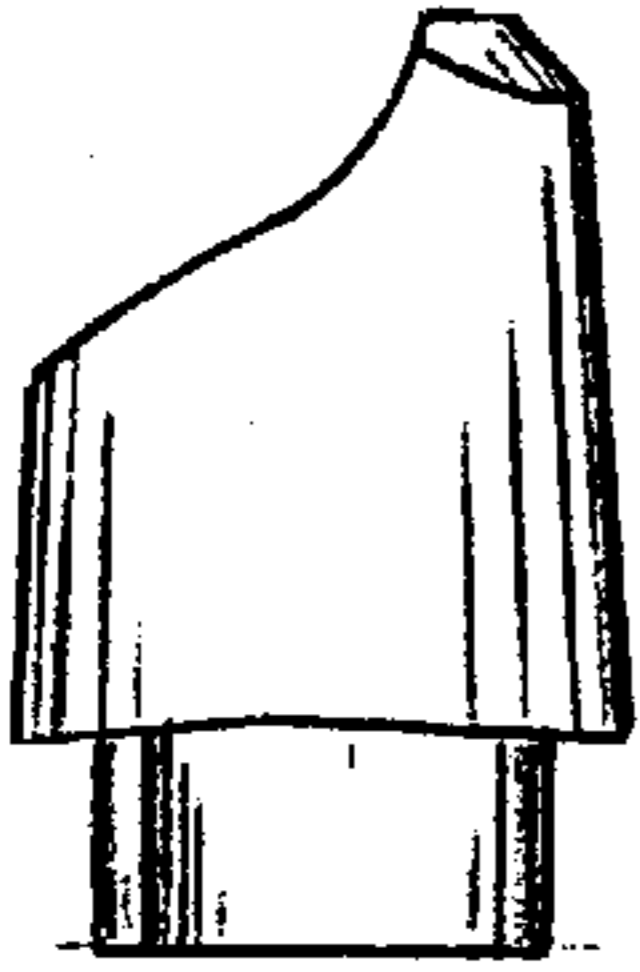


FIG. 20

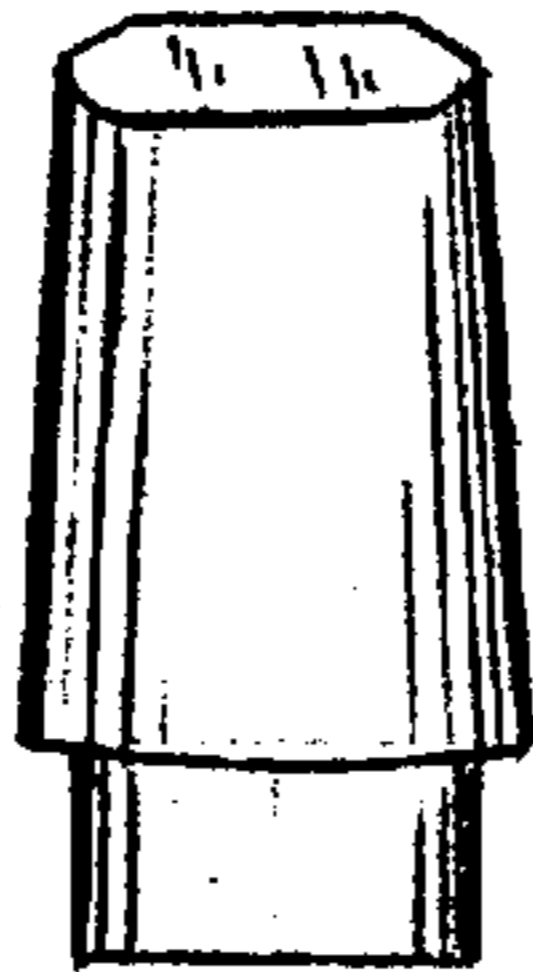


FIG. 25

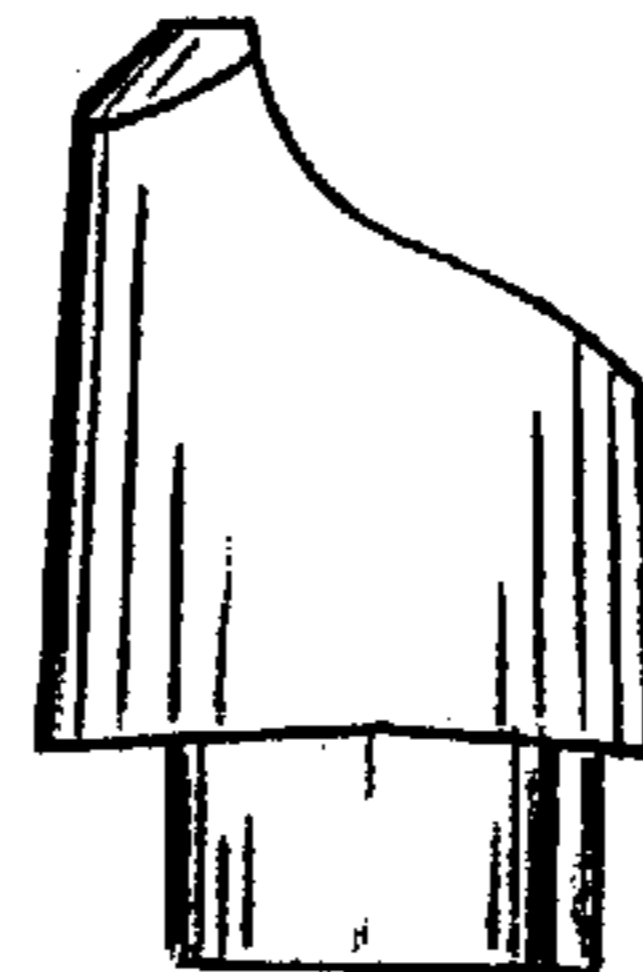


FIG. 24

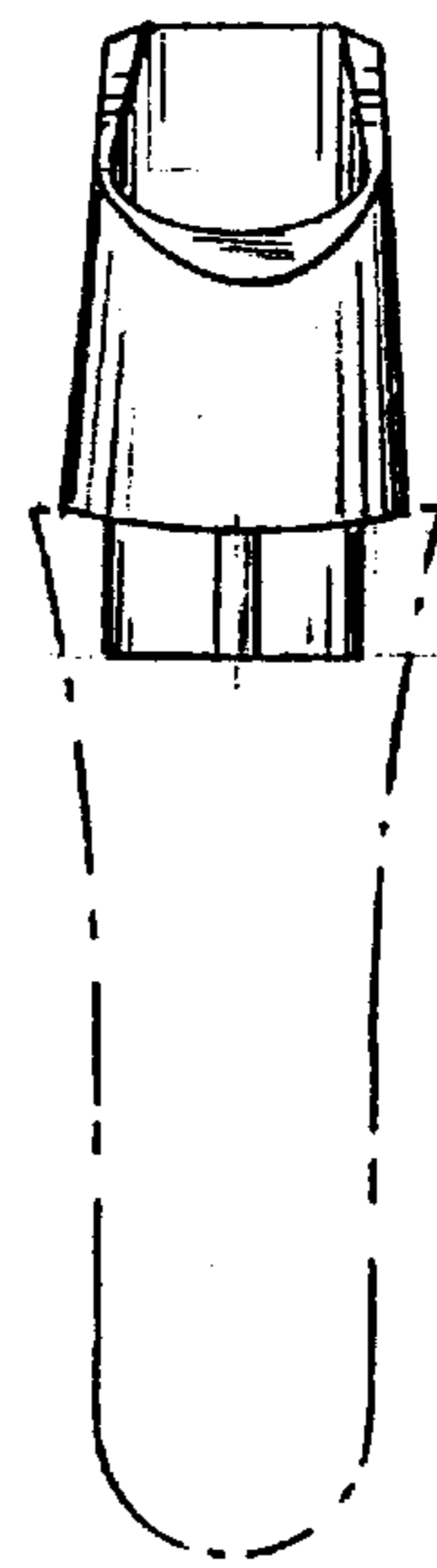


FIG. 27

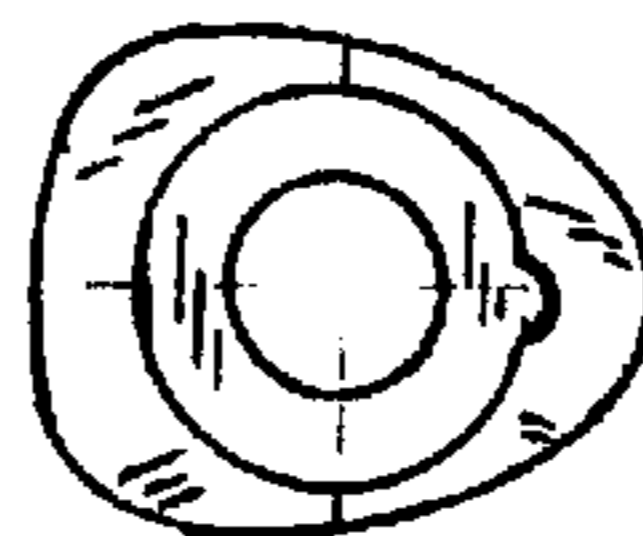


FIG. 28

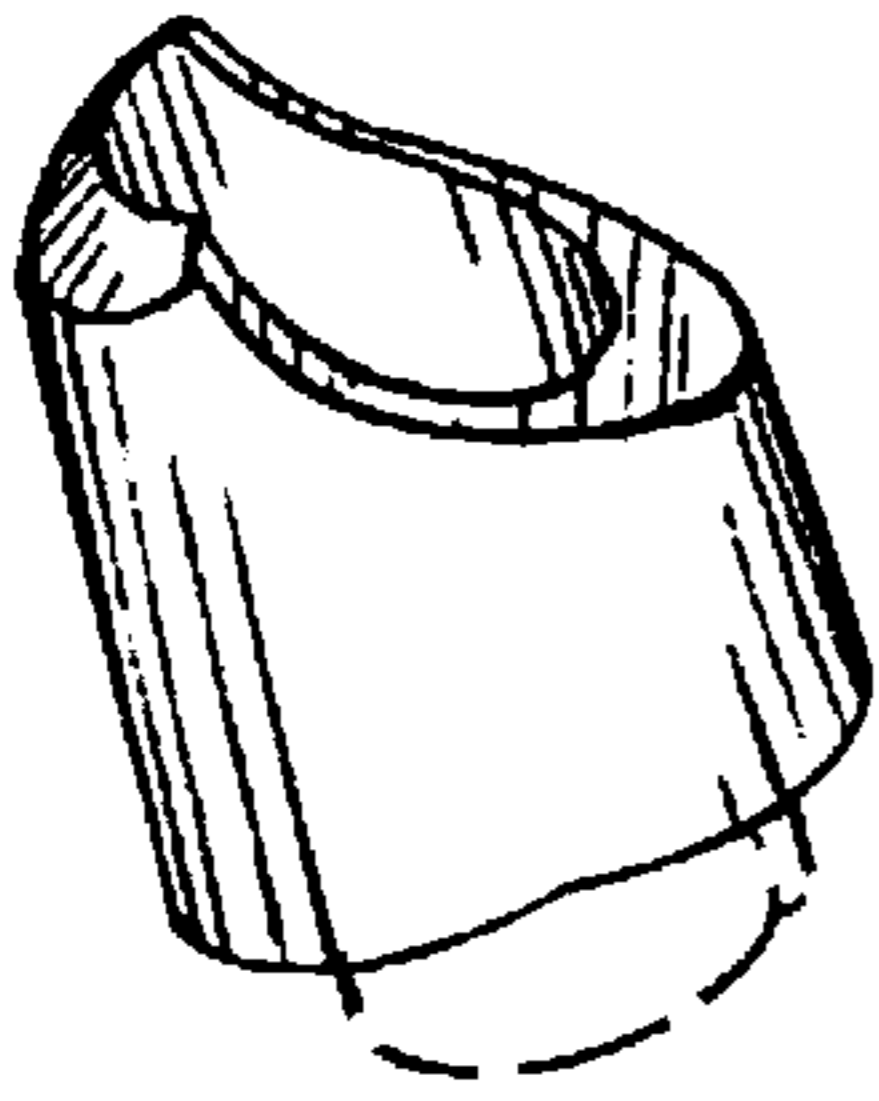


FIG. 29

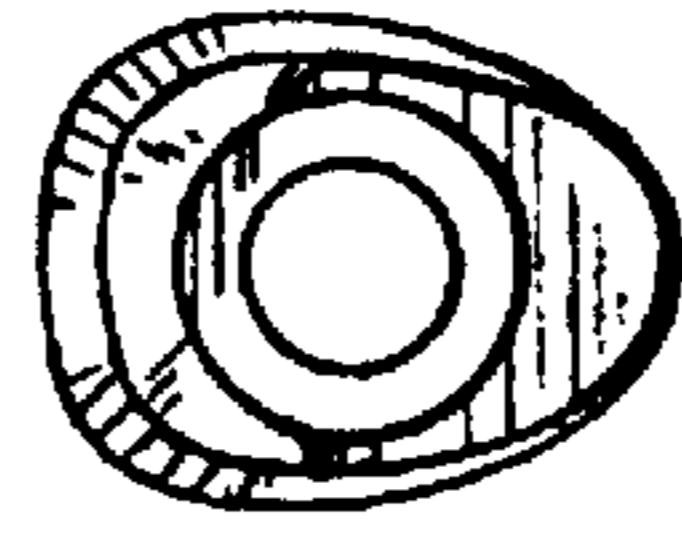


FIG. 30

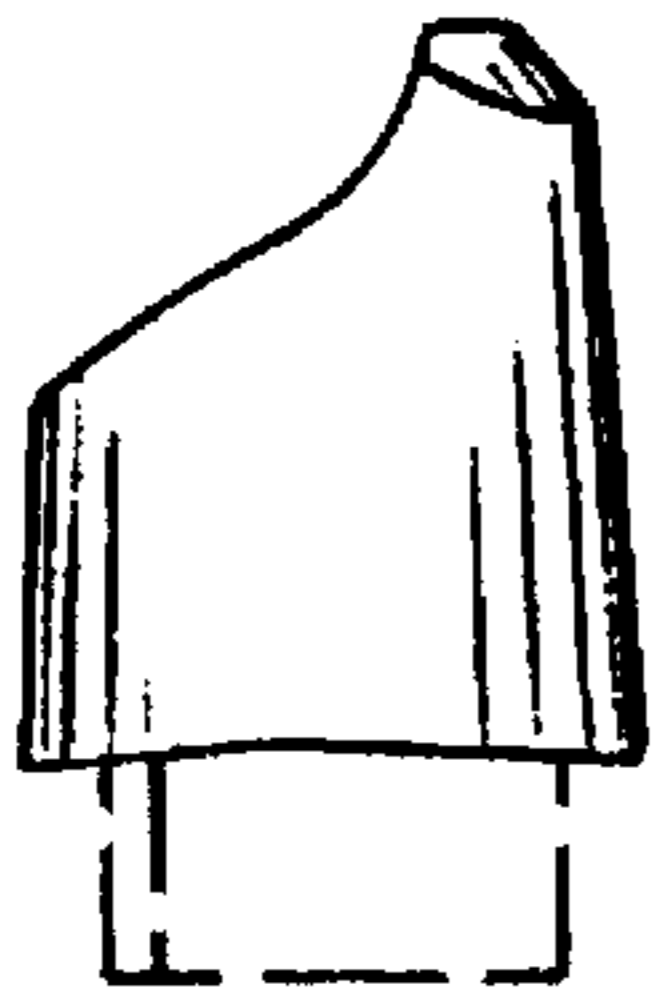


FIG. 33

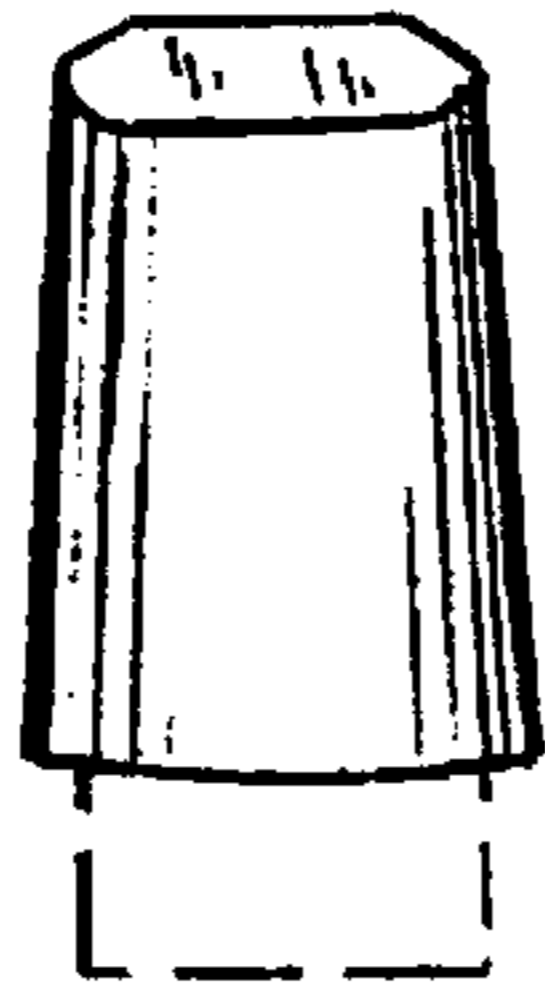


FIG. 32

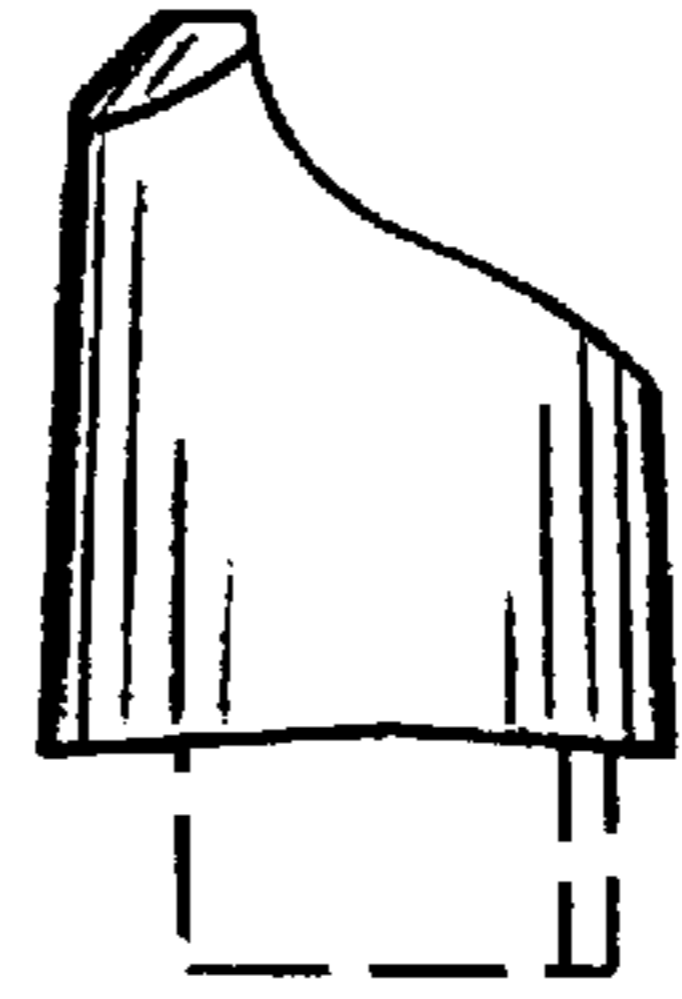


FIG. 31



FIG. 34

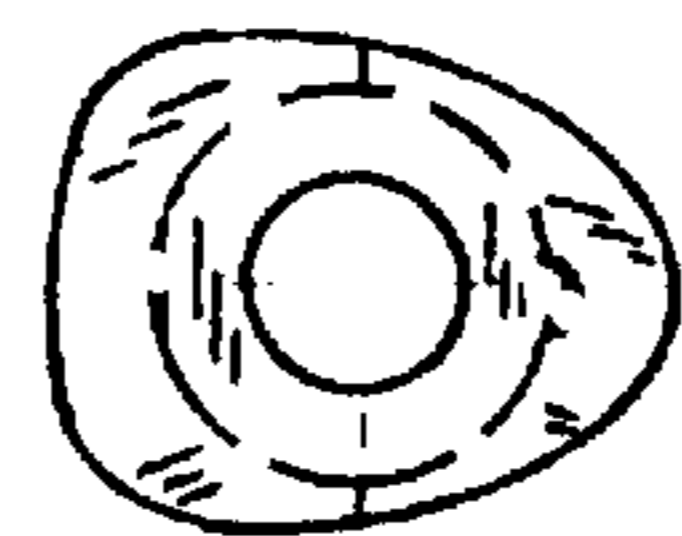


FIG. 35

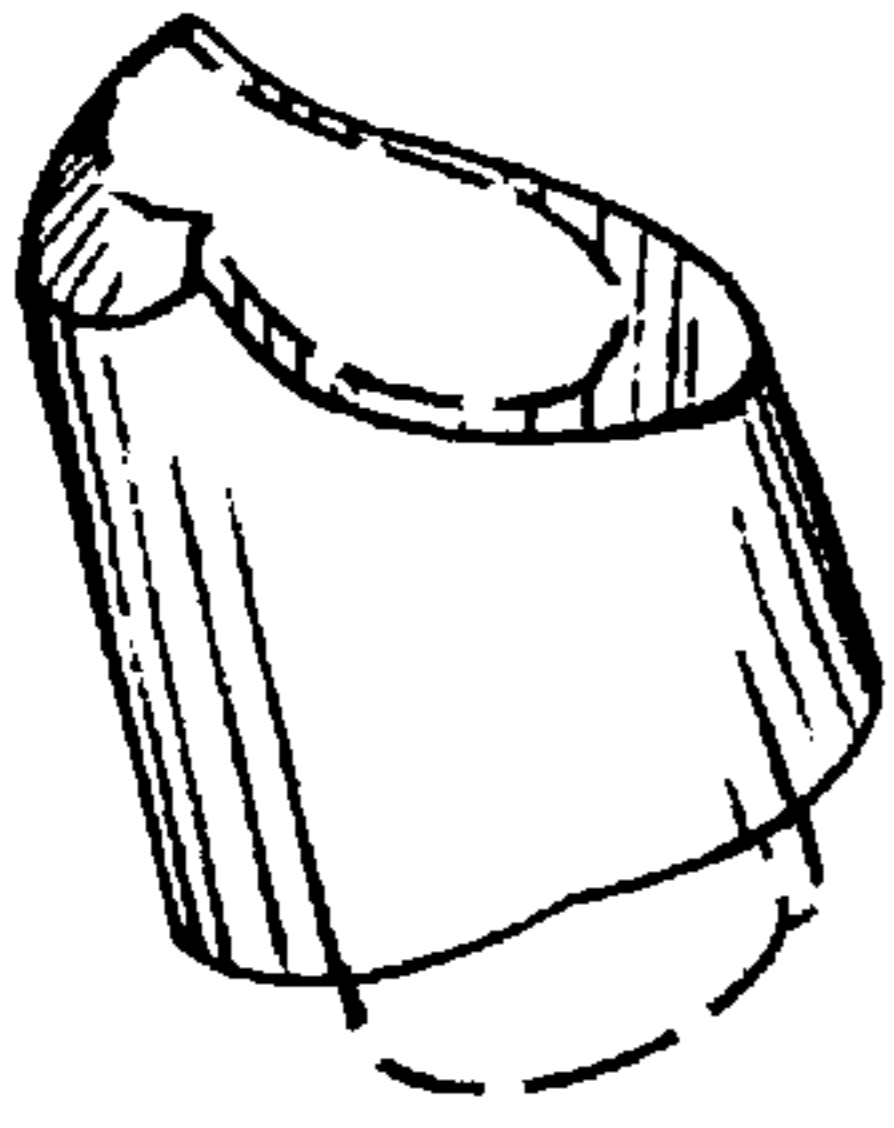


FIG. 36

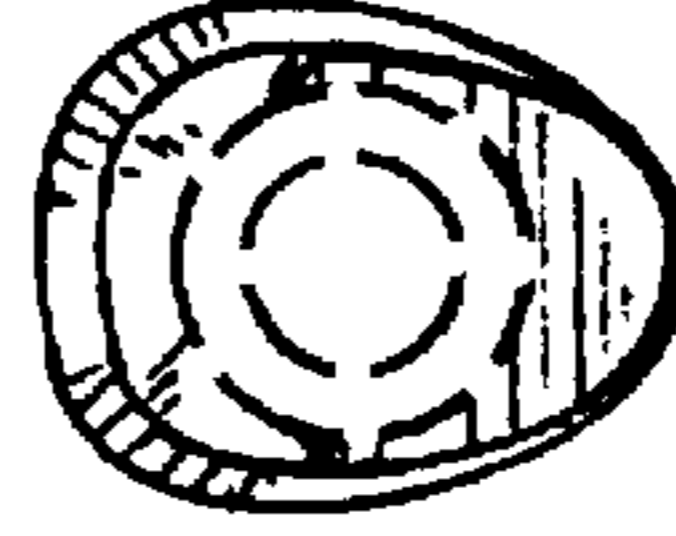


FIG. 37

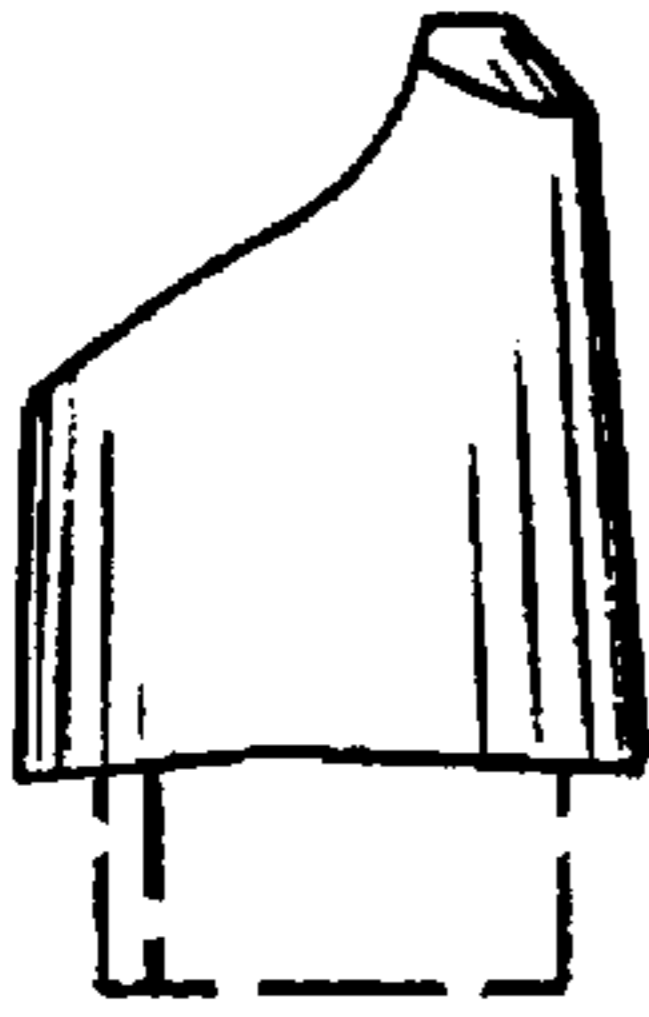


FIG. 40

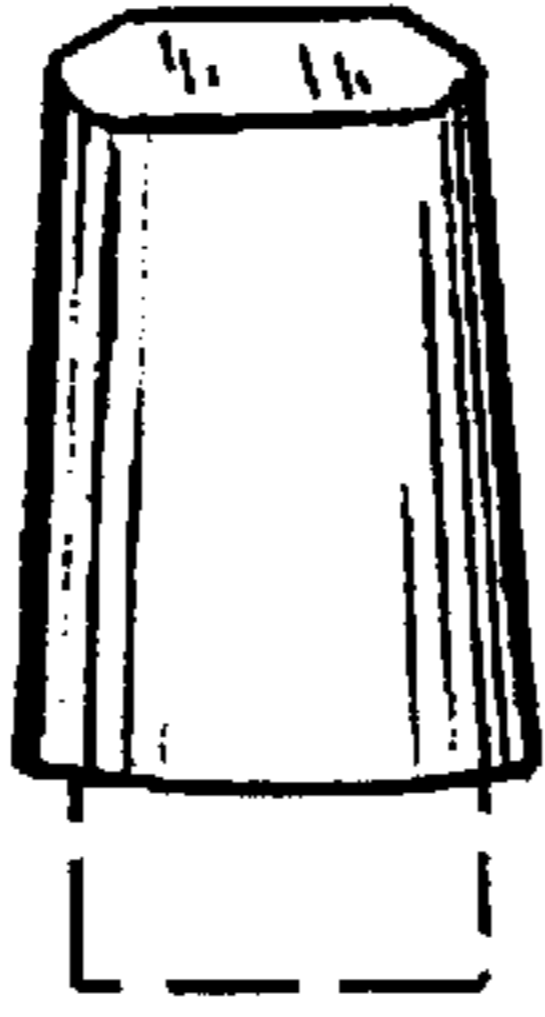


FIG. 39

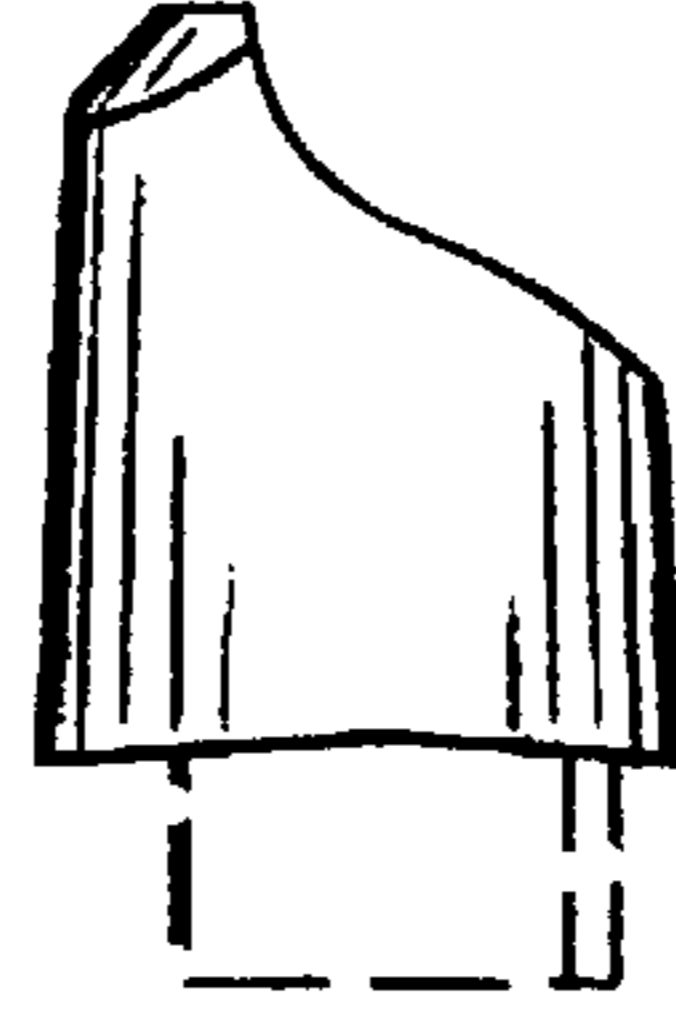


FIG. 38

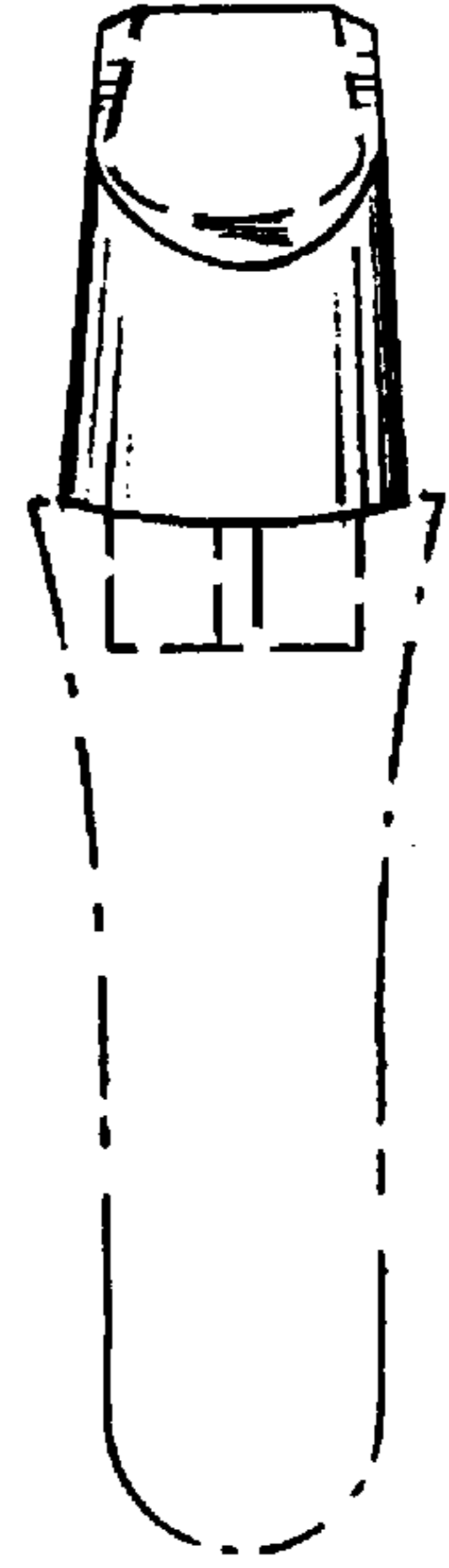


FIG. 41

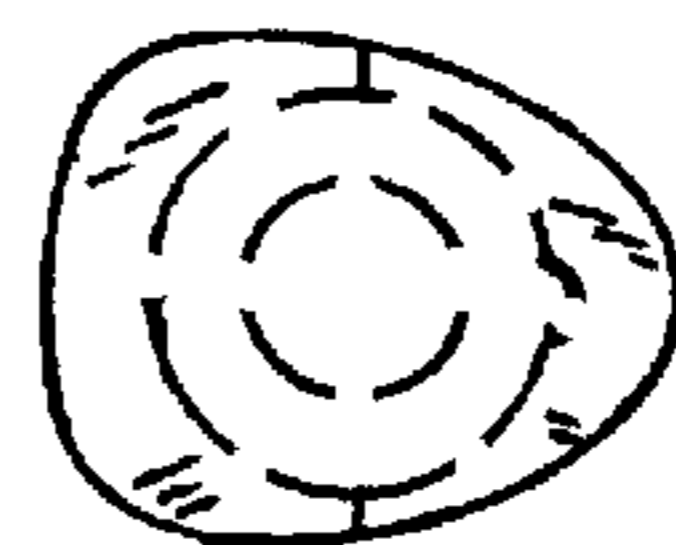


FIG. 42