



US00D380552S

United States Patent [19]

[11] Patent Number: **Des. 380,552**

Frenkel et al.

[45] Date of Patent: ****Jul. 1, 1997**

[54] ACTIVE PATCH FOR DERMAL DIFFUSIONS

[75] Inventors: **Erik Jan Frenkel**, Neuchatel;
Jean-Jacques Born, Morges; **Konrad Schafroth**, Berne, all of Switzerland

[73] Assignee: **Asulab AG (Asulab S.A.) (Asulab Ltd.)**, Bienne, Switzerland

[**] Term: **14 Years**

[21] Appl. No.: **28,383**

[22] Filed: **Sep. 13, 1994**

[30] Foreign Application Priority Data

Mar. 14, 1994 [WO] WIPO DM/029015

[51] LOC (6) Cl. **24-04**

[52] U.S. Cl. **D24/189**

[58] Field of Search D24/189; 604/20

[56] References Cited

U.S. PATENT DOCUMENTS

D. 352,113 11/1994 Ashley D24/189

D. 359,807 6/1995 Mikier et al. D24/189

5,037,381 8/1991 Bock et al. 604/20

Primary Examiner—Stella Reid

Attorney, Agent, or Firm—McGlew and Tuttle

[57] CLAIM

The ornamental design for an active patch for dermal diffusions, as shown and described.

DESCRIPTION

FIG. 1 is a top view of my new active patch for dermal diffusions with the separable components in a connected state;

FIG. 2 is a bottom view thereof;

FIG. 3 is a top right rear perspective view thereof;

FIG. 4 is a top exploded view of the separable base portion (separable reservoir and diffusing electrodes in the form of concentric rings) and sectorial wedge (electronic circuit component);

FIG. 5 is a top view of the base component;

FIG. 6 is a right side view thereof;

FIG. 7 is a left side view thereof;

FIG. 8 is a front end view thereof;

FIG. 9 is a rear end view thereof;

FIG. 10 is a top view of the sectorial wedge;

FIG. 11 is a bottom view thereof;

FIG. 12 is a right side view thereof;

FIG. 13 is a left side view thereof;

FIG. 14 is a front end view thereof;

FIG. 15 is a rear end view thereof;

FIG. 16 is a top right perspective view thereof;

FIG. 17 is a top view of an alternate embodiment of my new active patch for dermal diffusions design;

FIG. 18 is a bottom view thereof;

FIG. 19 is a top right rear perspective view thereof;

FIG. 20 is a top exploded view of the separable base portion (separable reservoir and diffusing electrodes in the form of concentric rings) and sectorial wedge (electronic circuit component);

FIG. 21 is a top view the base component;

FIG. 22 is a right side view thereof;

FIG. 23 is a left side view thereof;

FIG. 24 is a front end view thereof;

FIG. 25 is a rear end view thereof;

FIG. 26 is a top view of the sectorial wedge;

FIG. 27 is a bottom view thereof;

FIG. 28 is a right side view thereof;

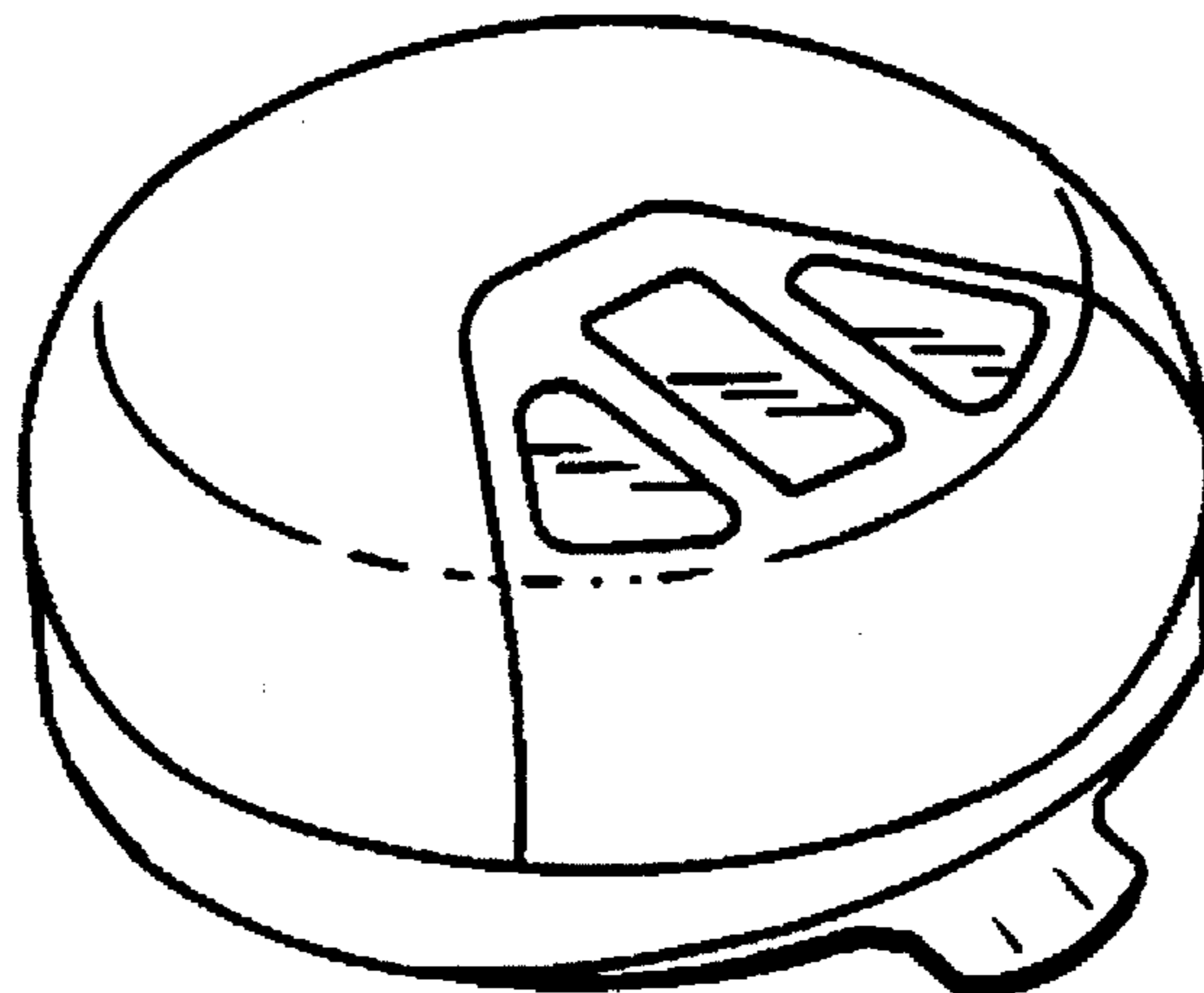
FIG. 29 is a left side view thereof;

FIG. 30 is a front end view thereof;

FIG. 31 is a rear end view thereof; and,

FIG. 32 is a top right perspective view thereof.

1 Claim, 8 Drawing Sheets



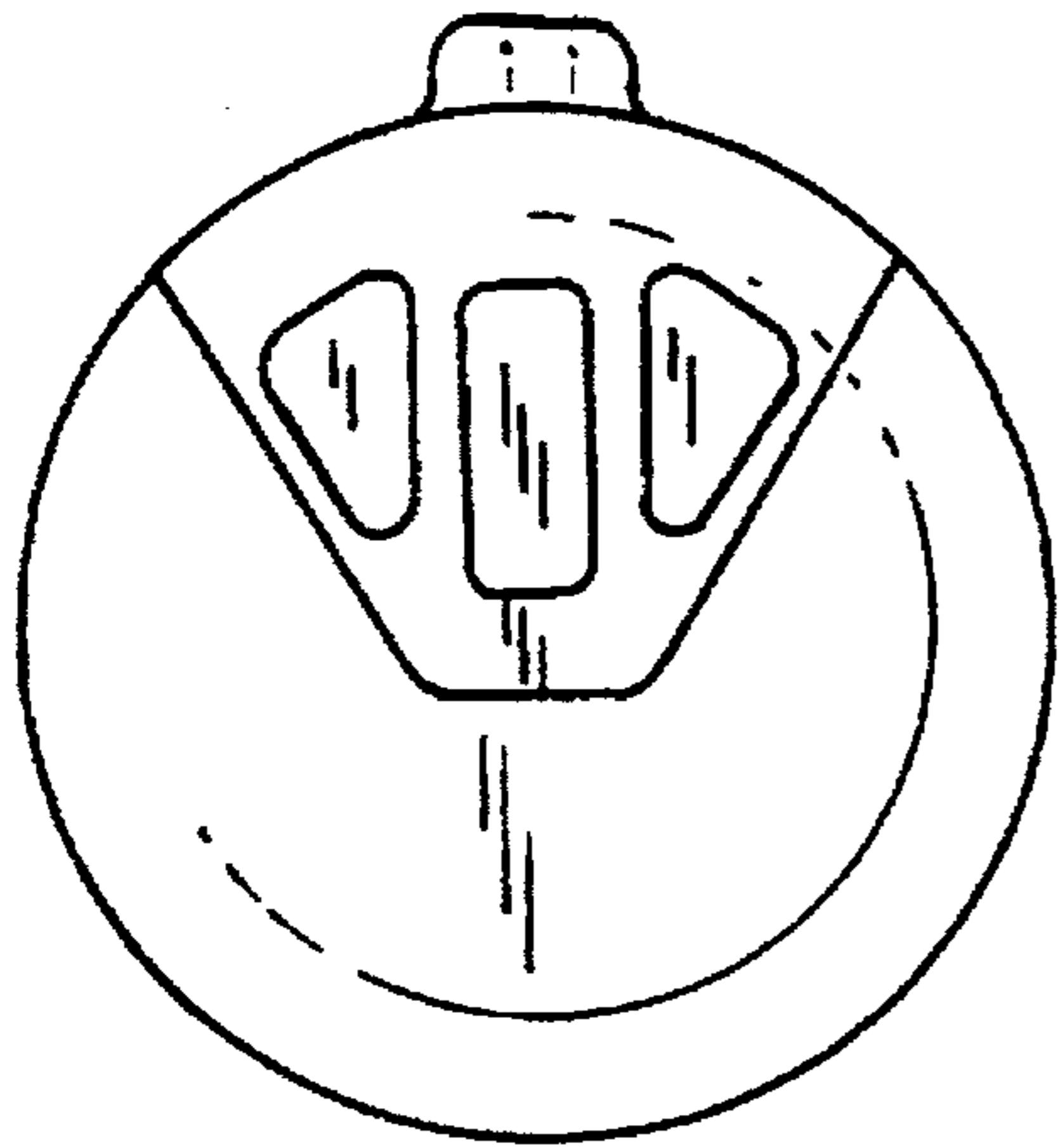


FIG. 1

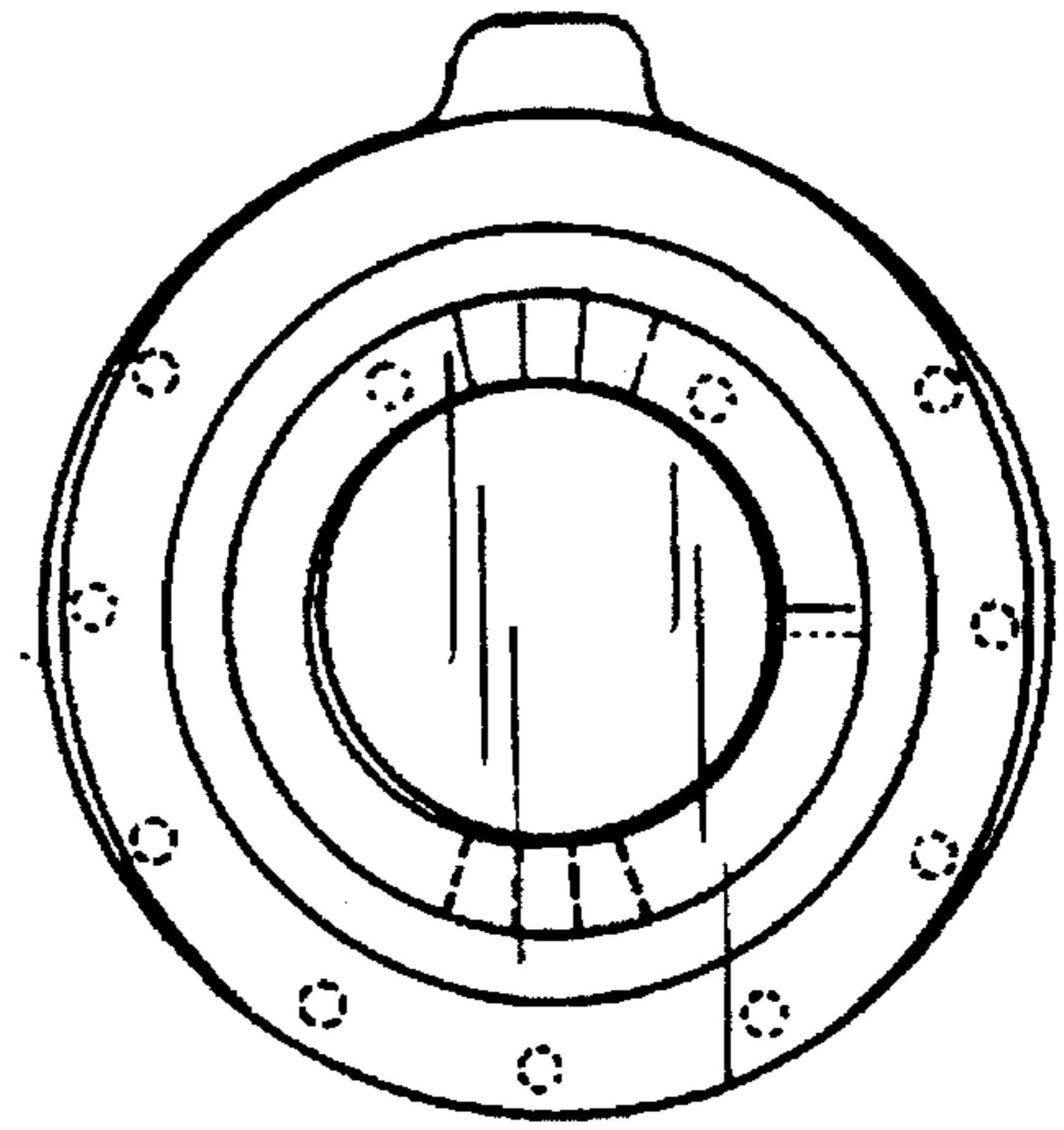


FIG. 2

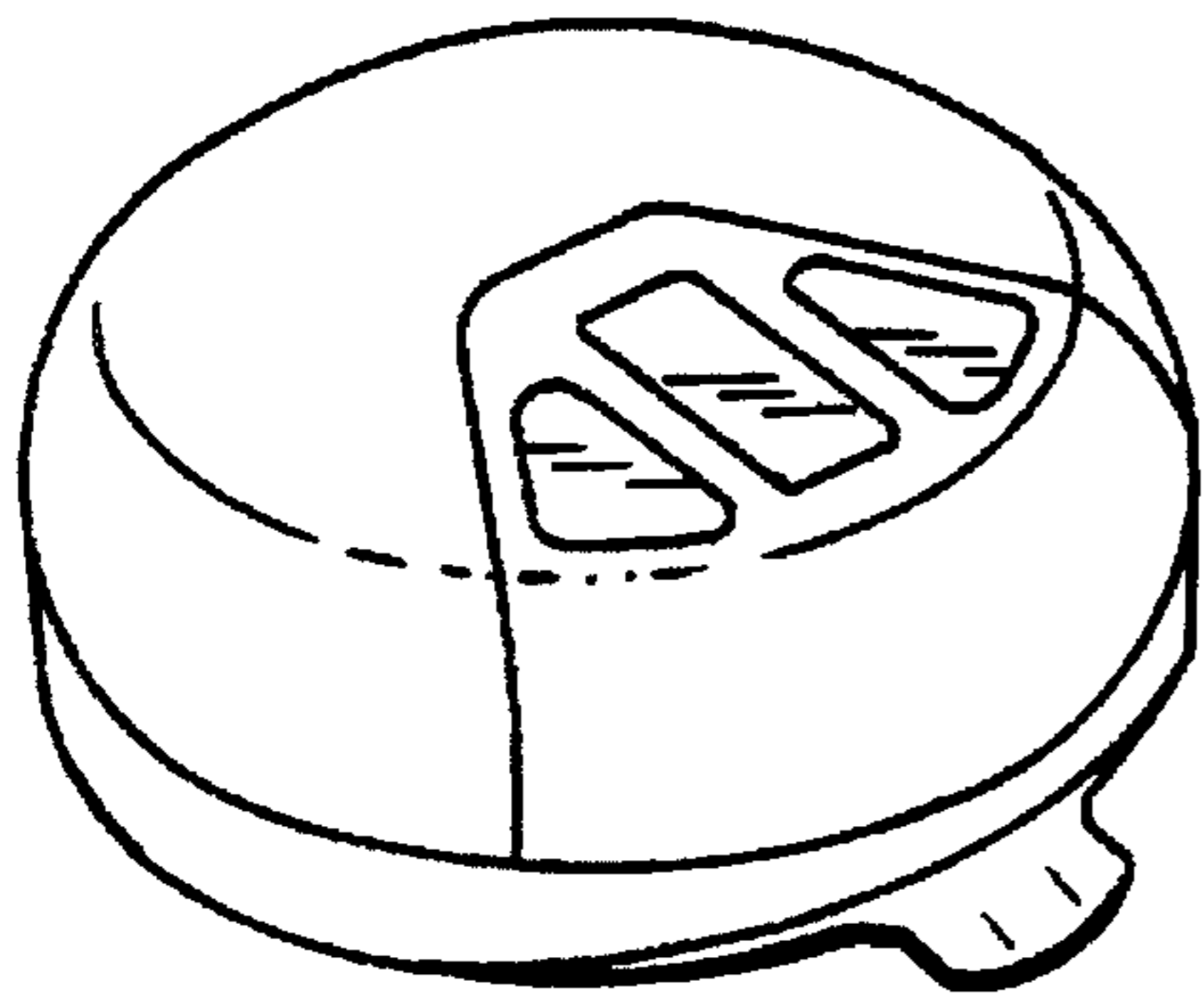


FIG. 3

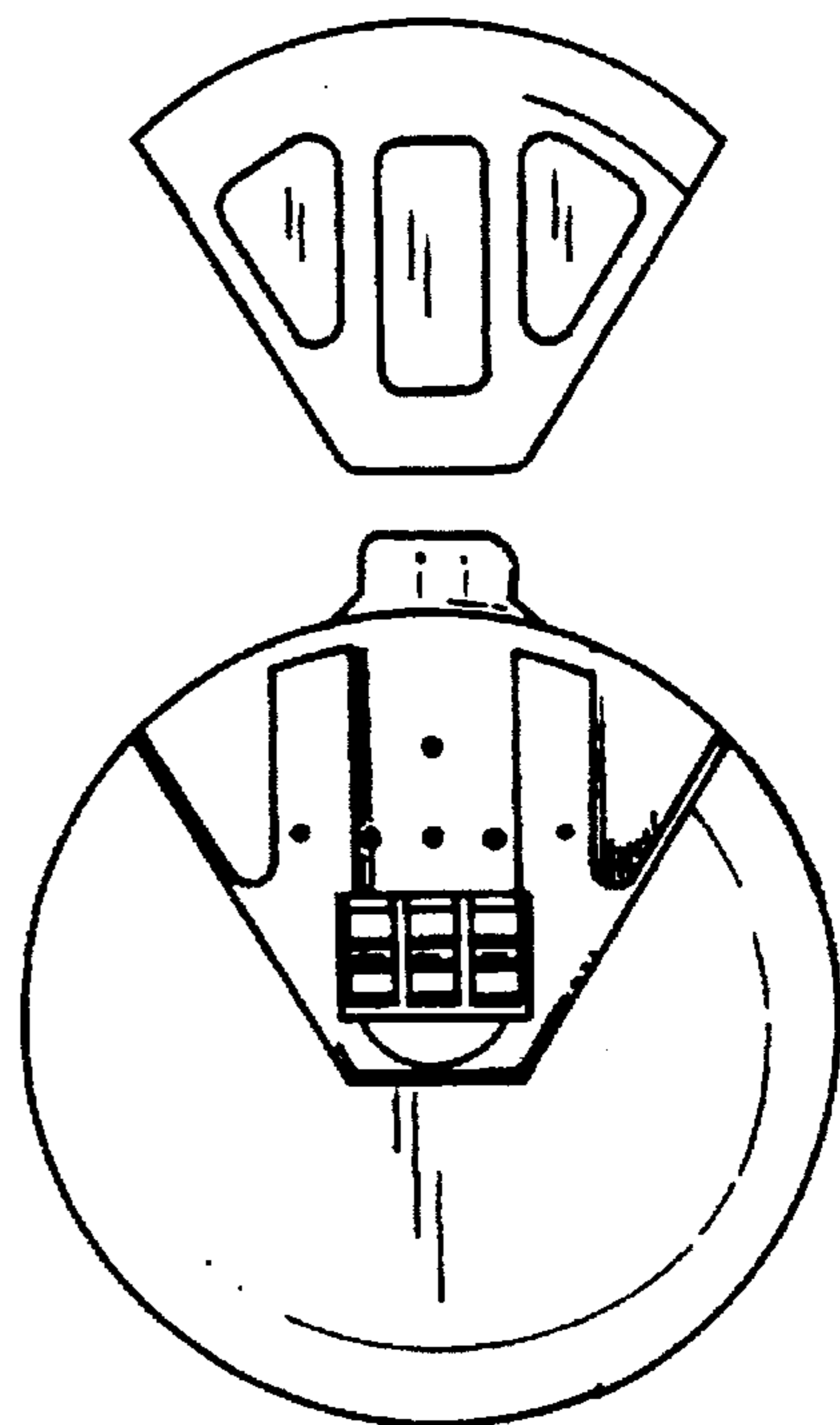


FIG. 4

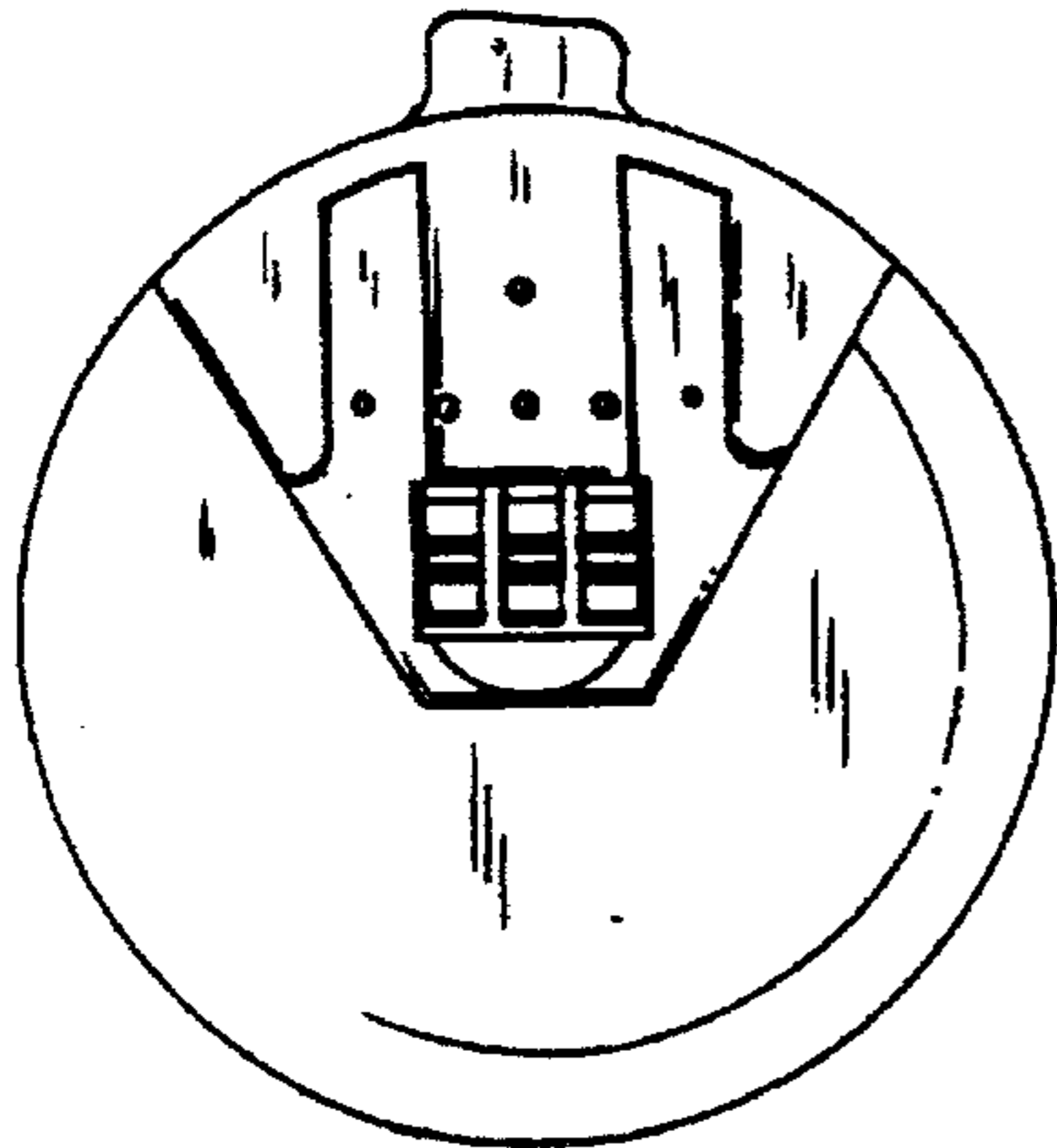


FIG. 5

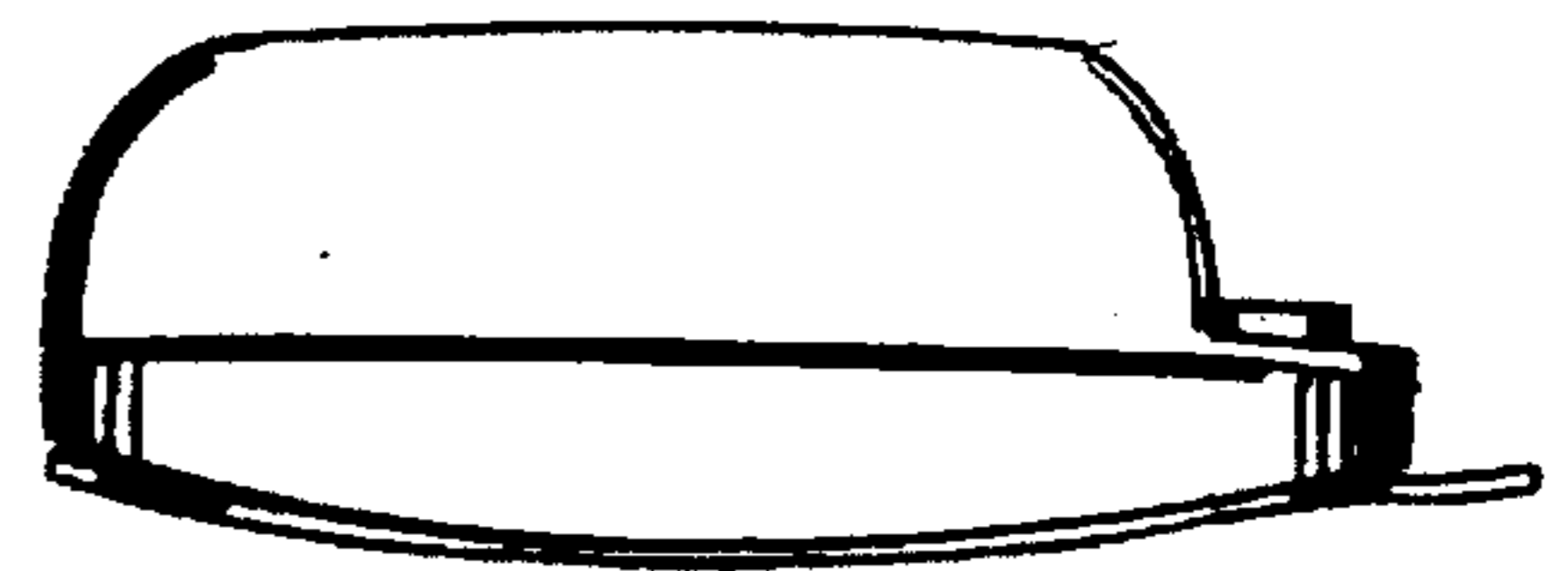


FIG. 6

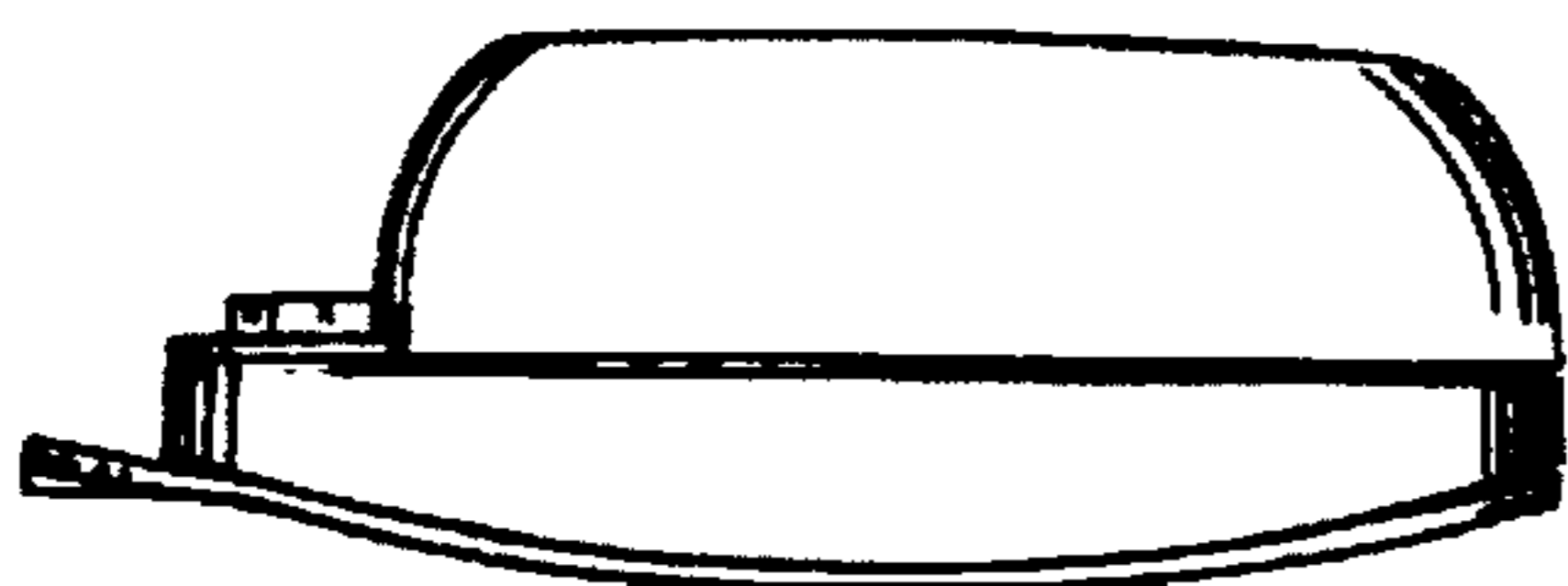


FIG. 7

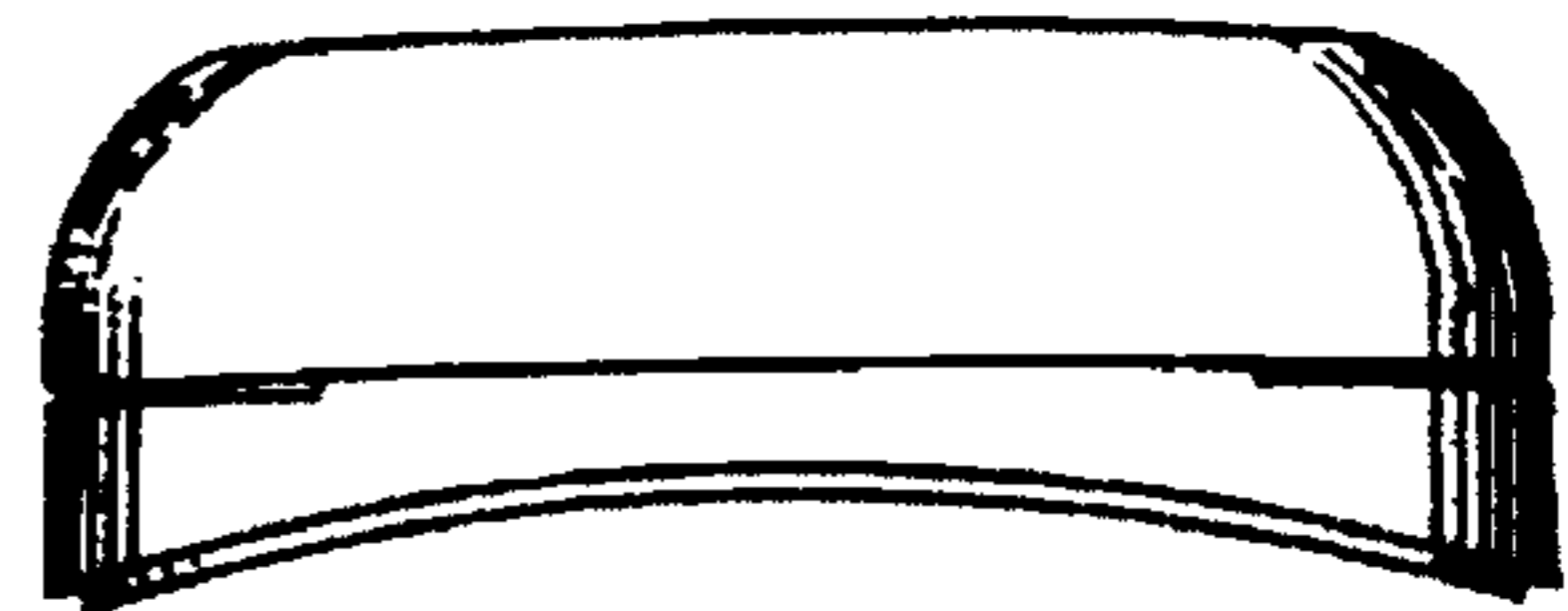


FIG. 8

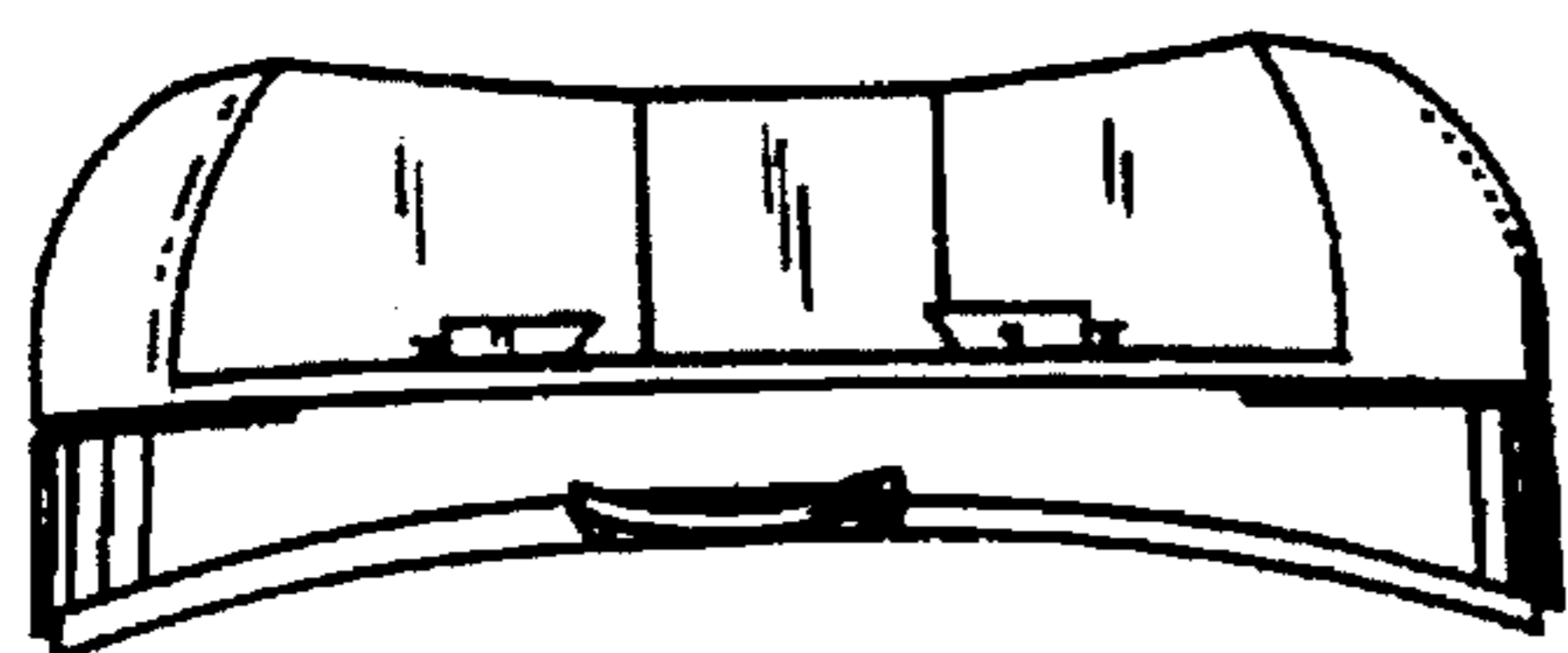


FIG. 9

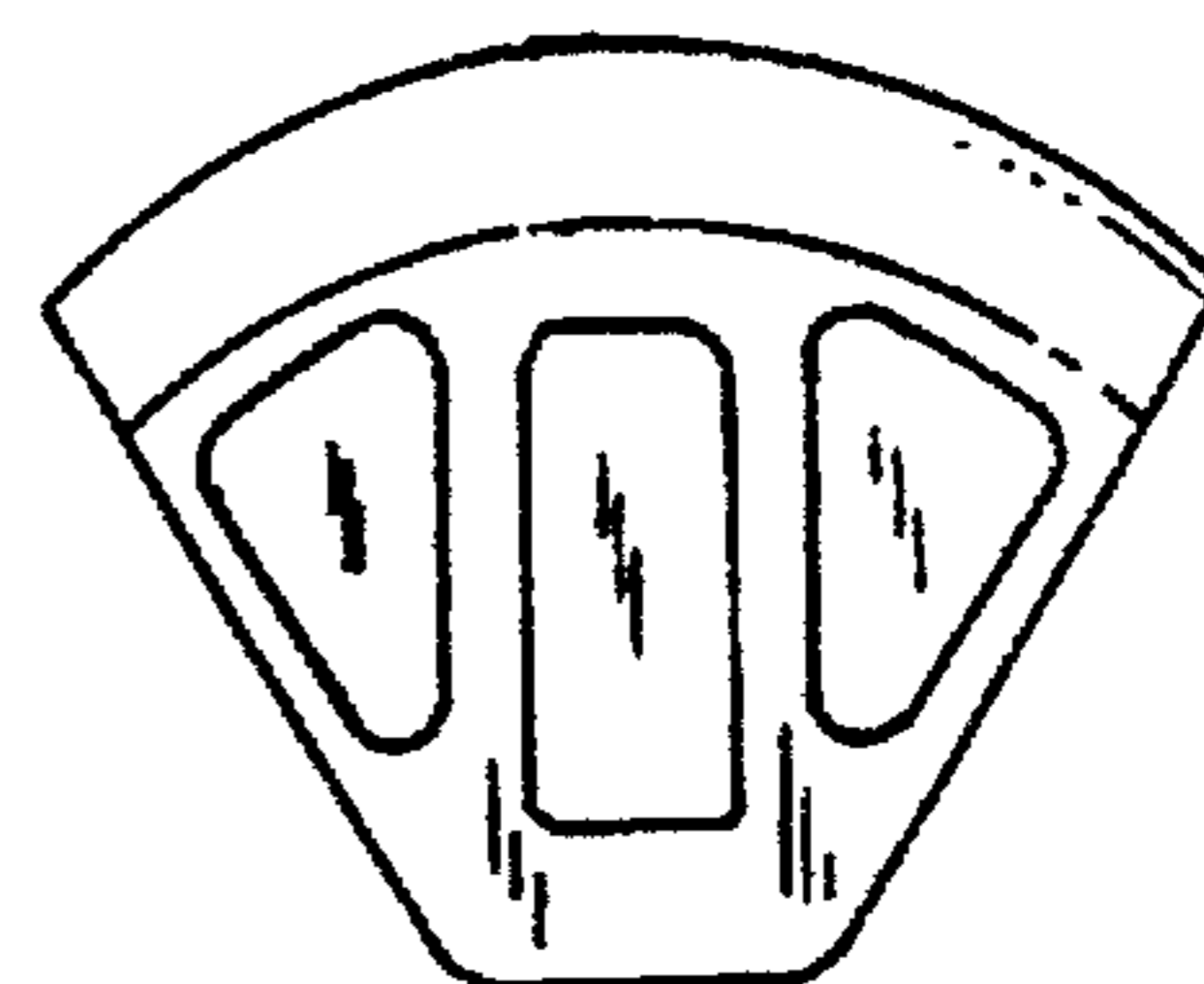


FIG. 10

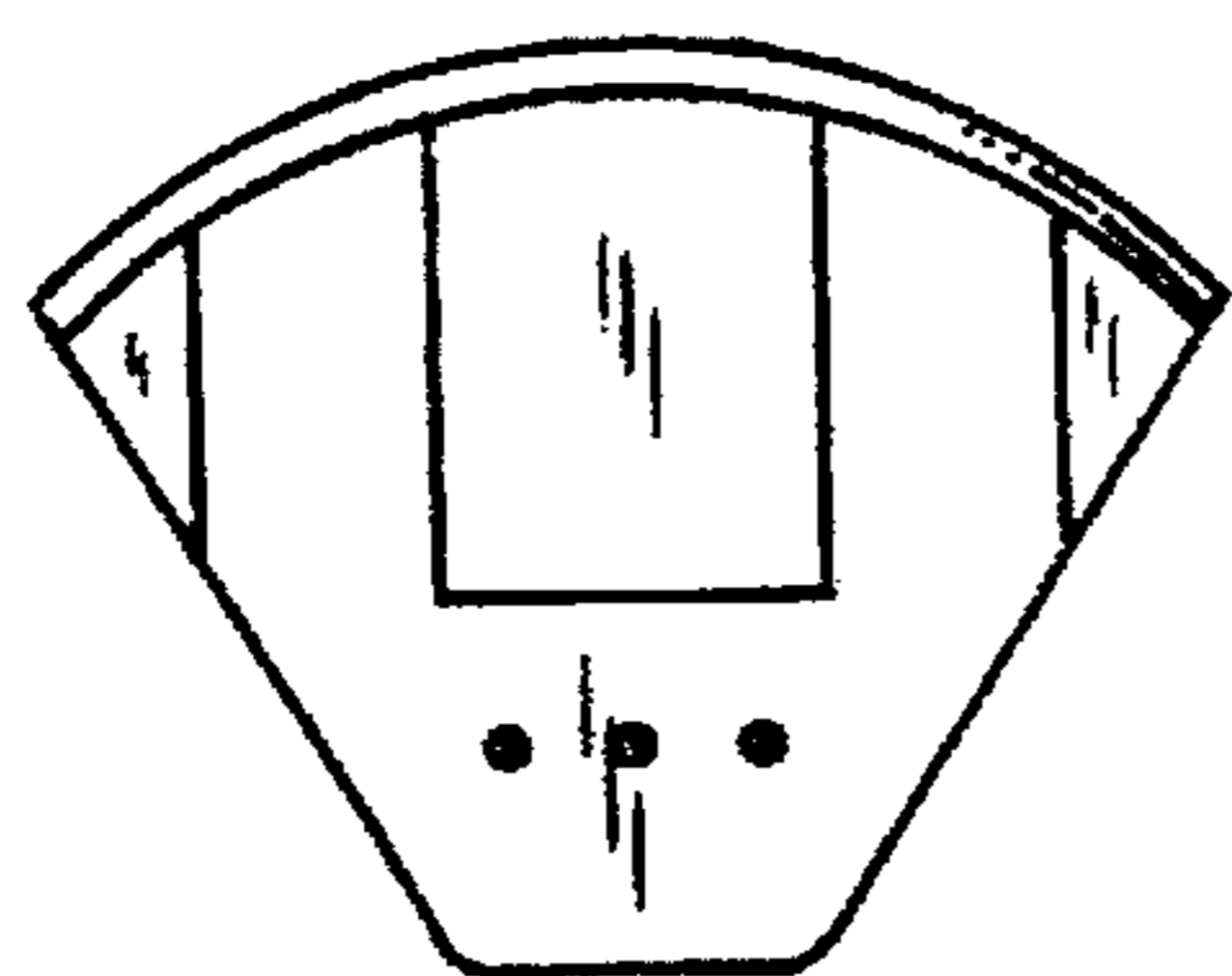


FIG. 11



FIG. 12

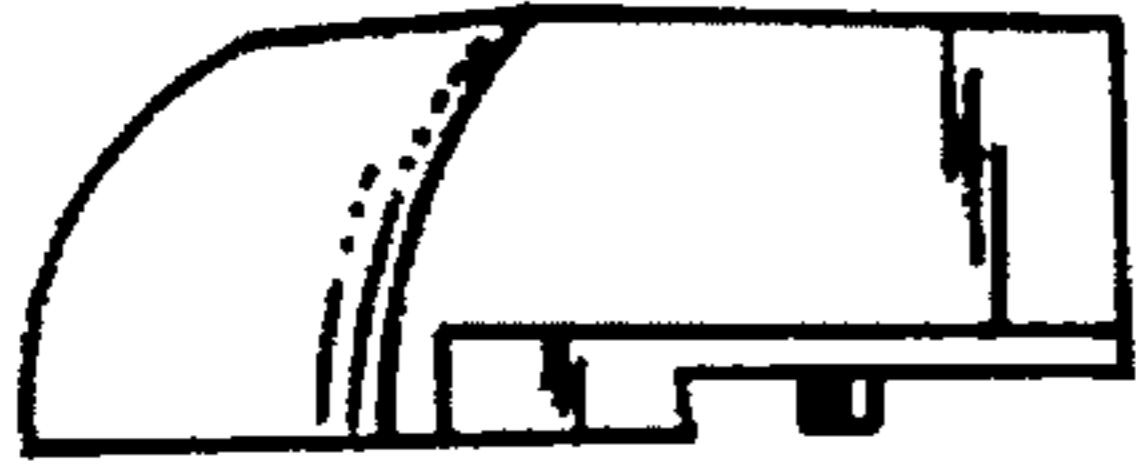


FIG. 13



FIG. 14

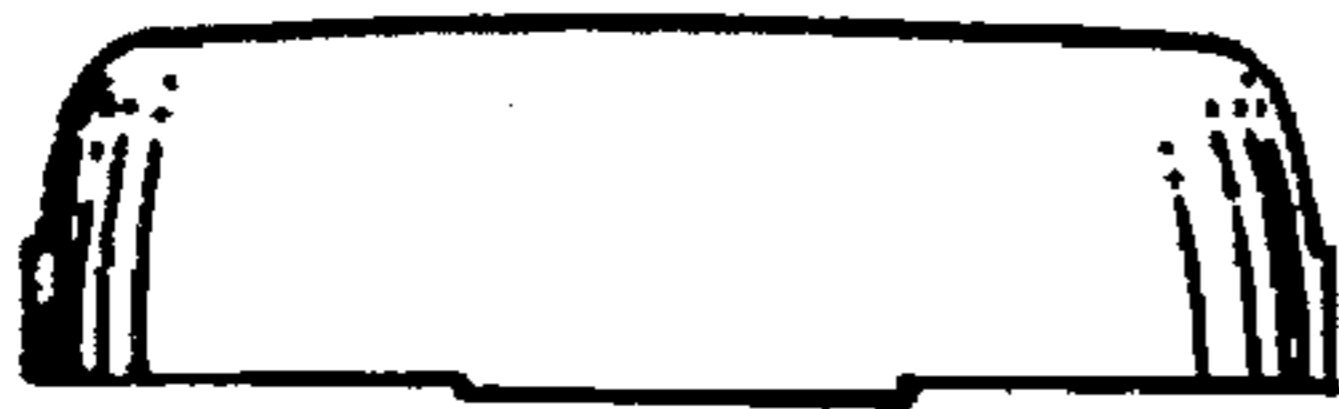


FIG. 15

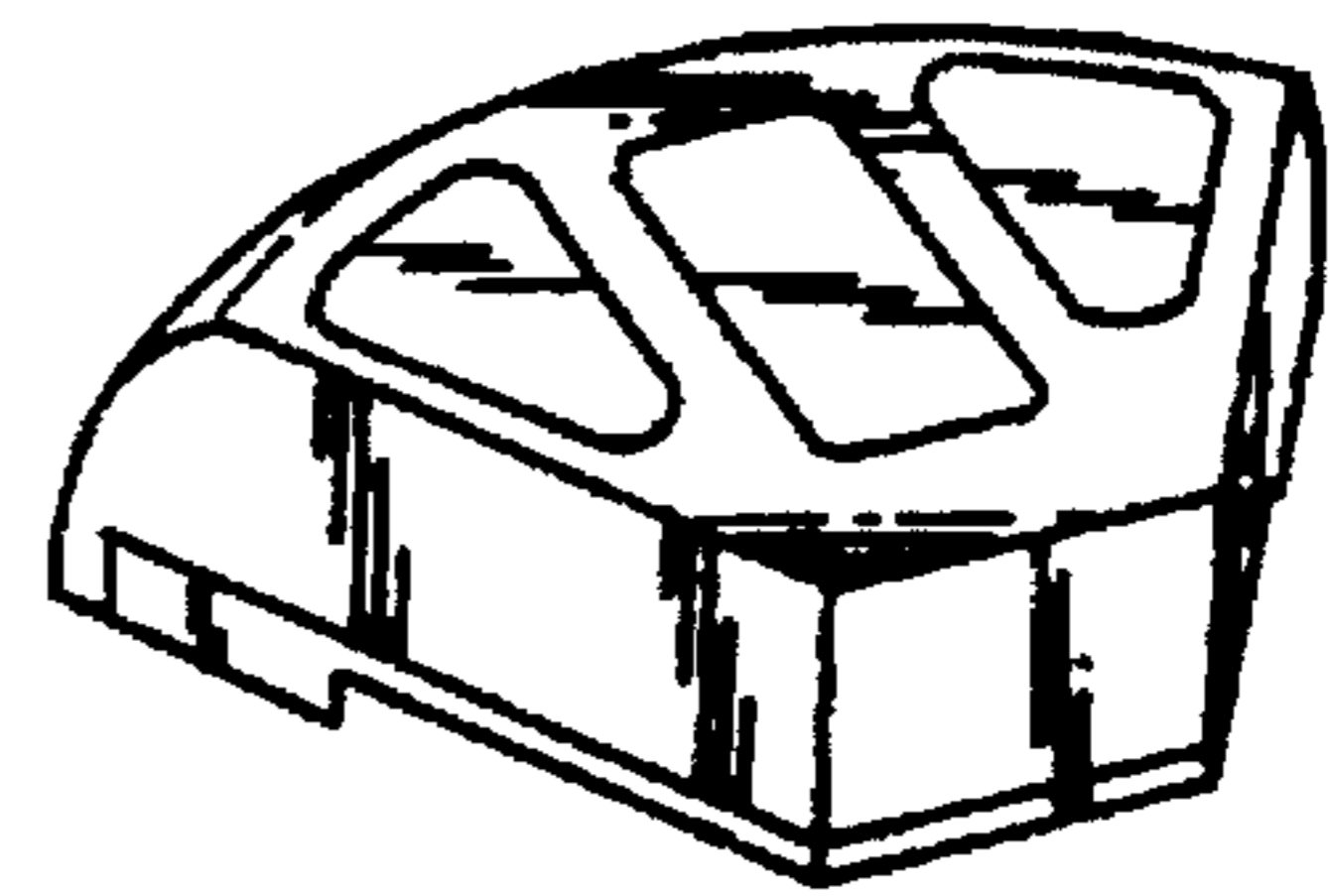


FIG. 16

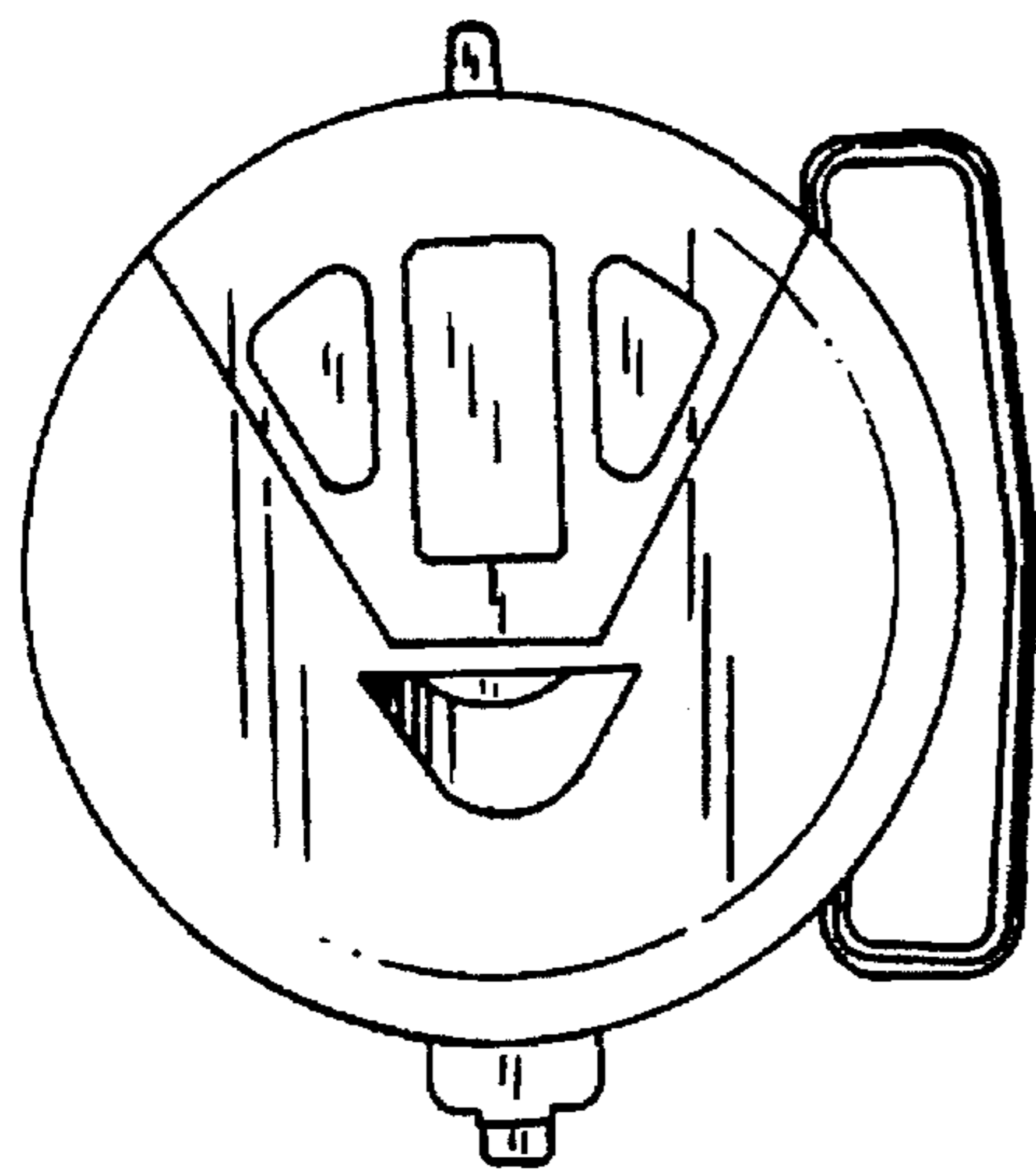


FIG. 17

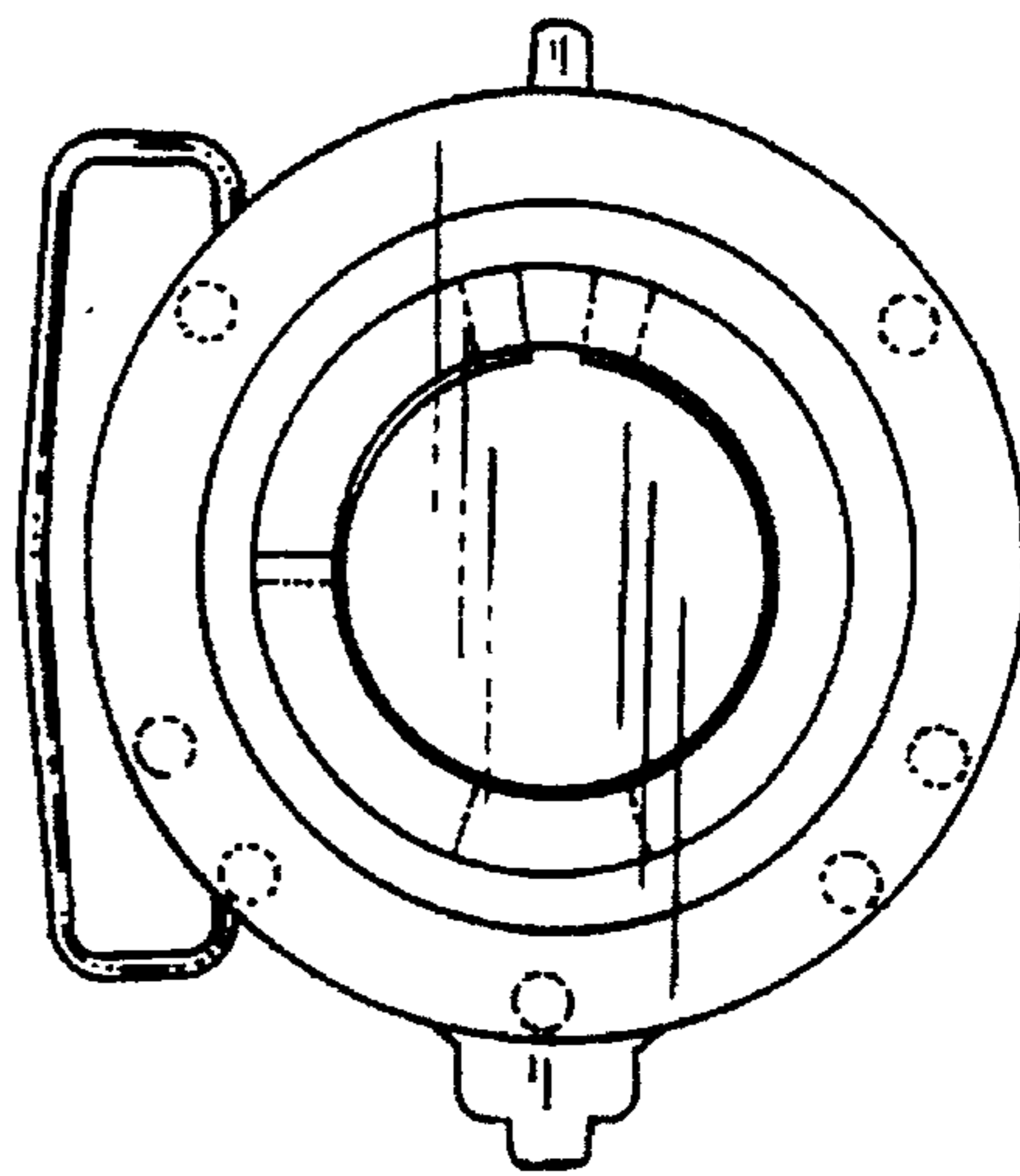


FIG. 18

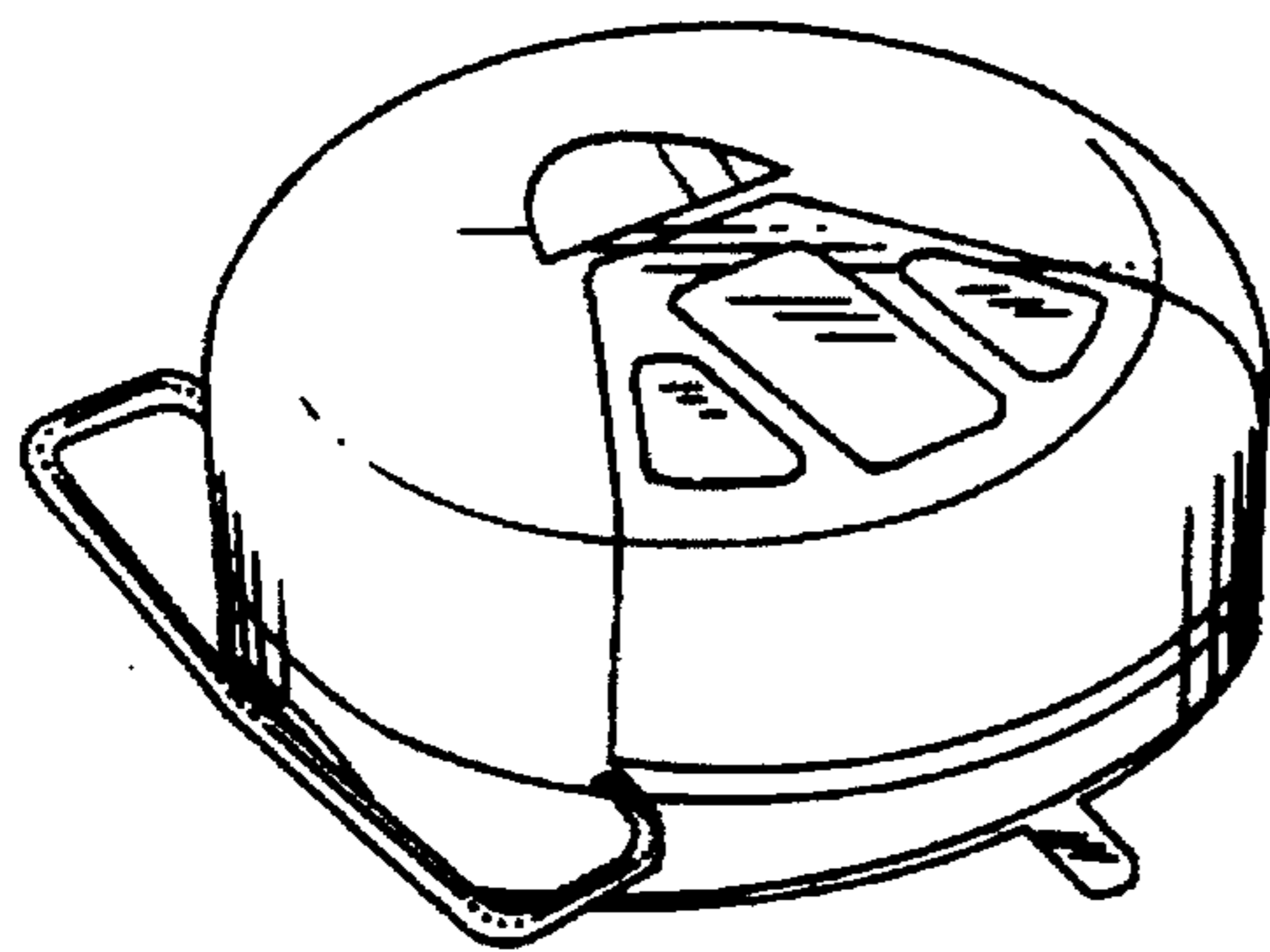


FIG. 19

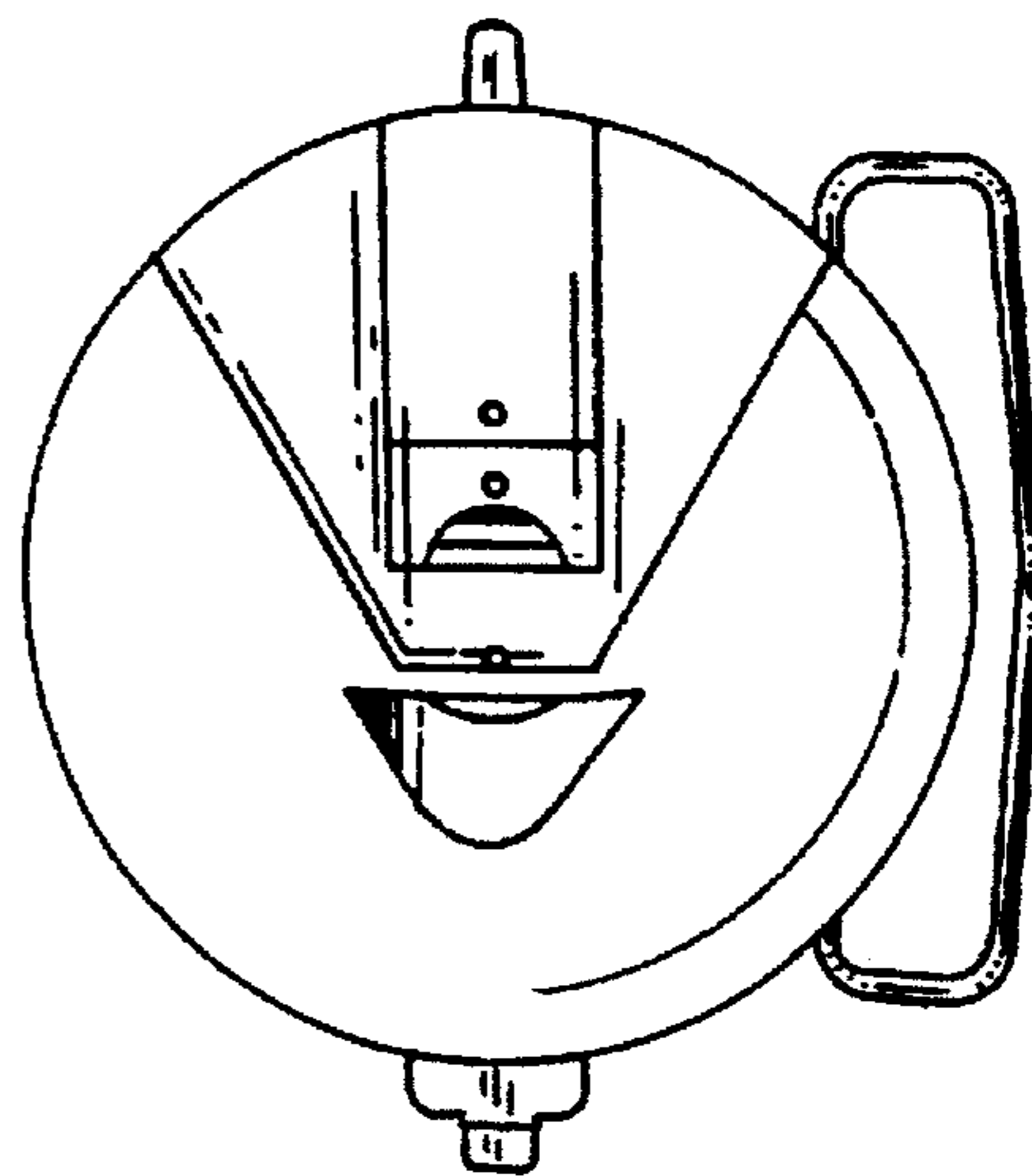
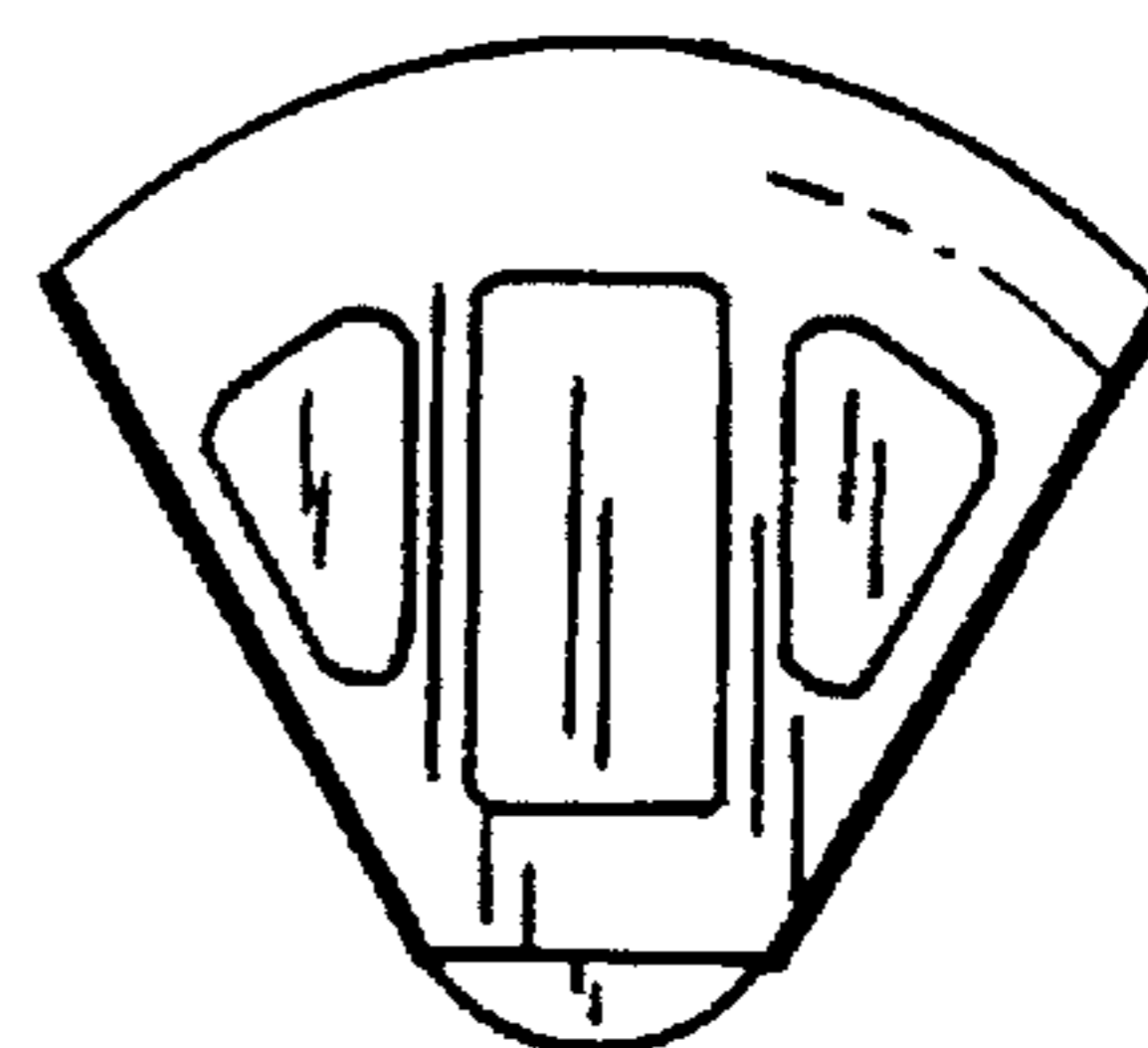


FIG. 20

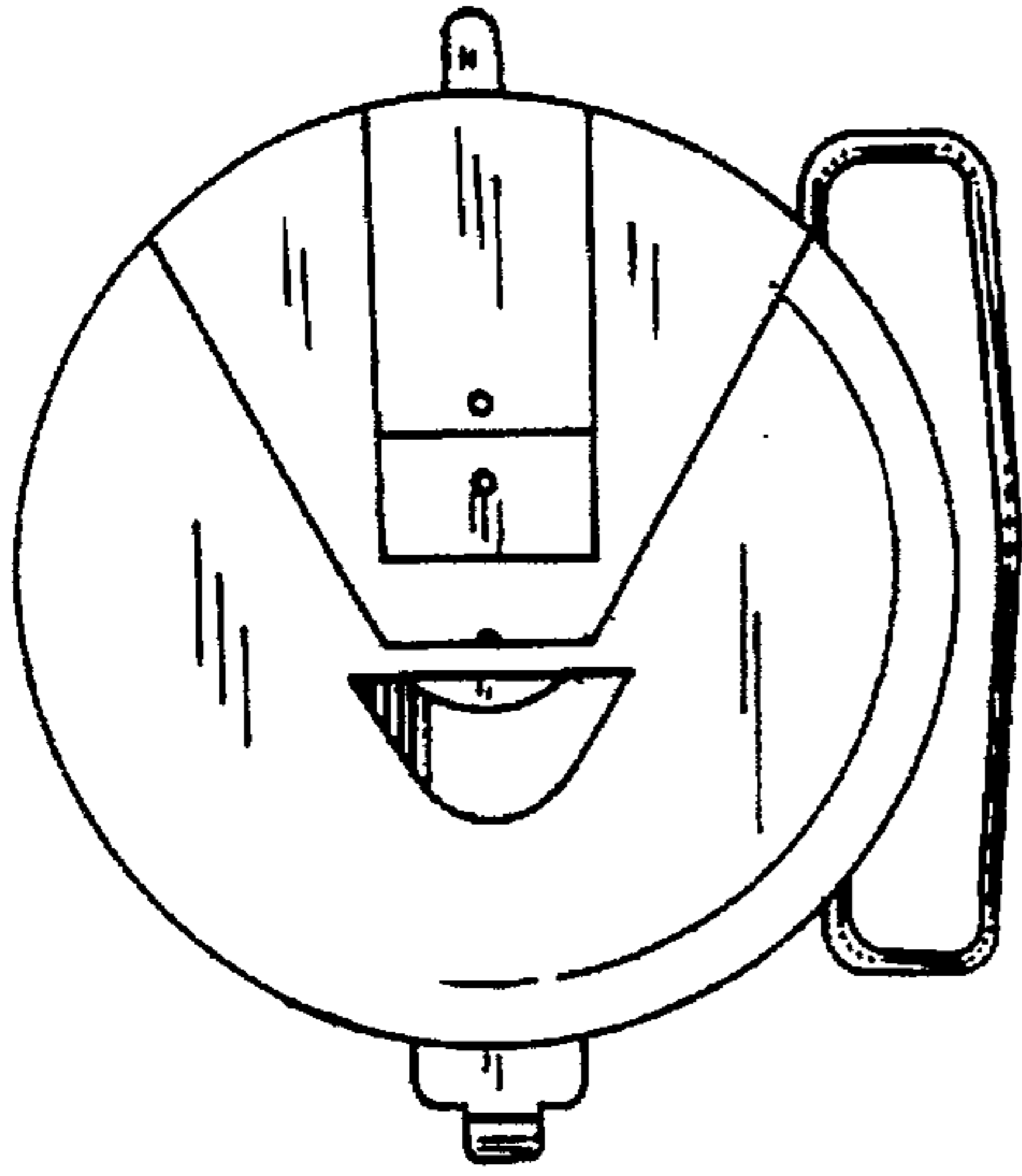


FIG. 21

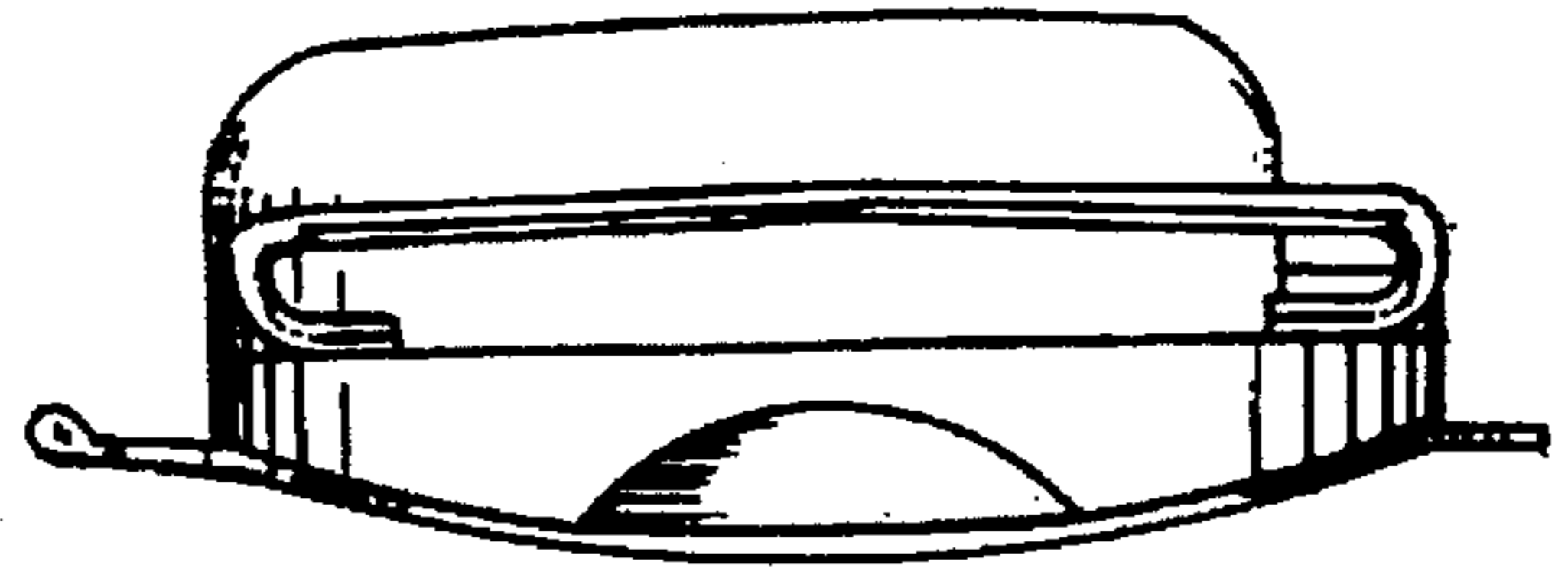


FIG. 22

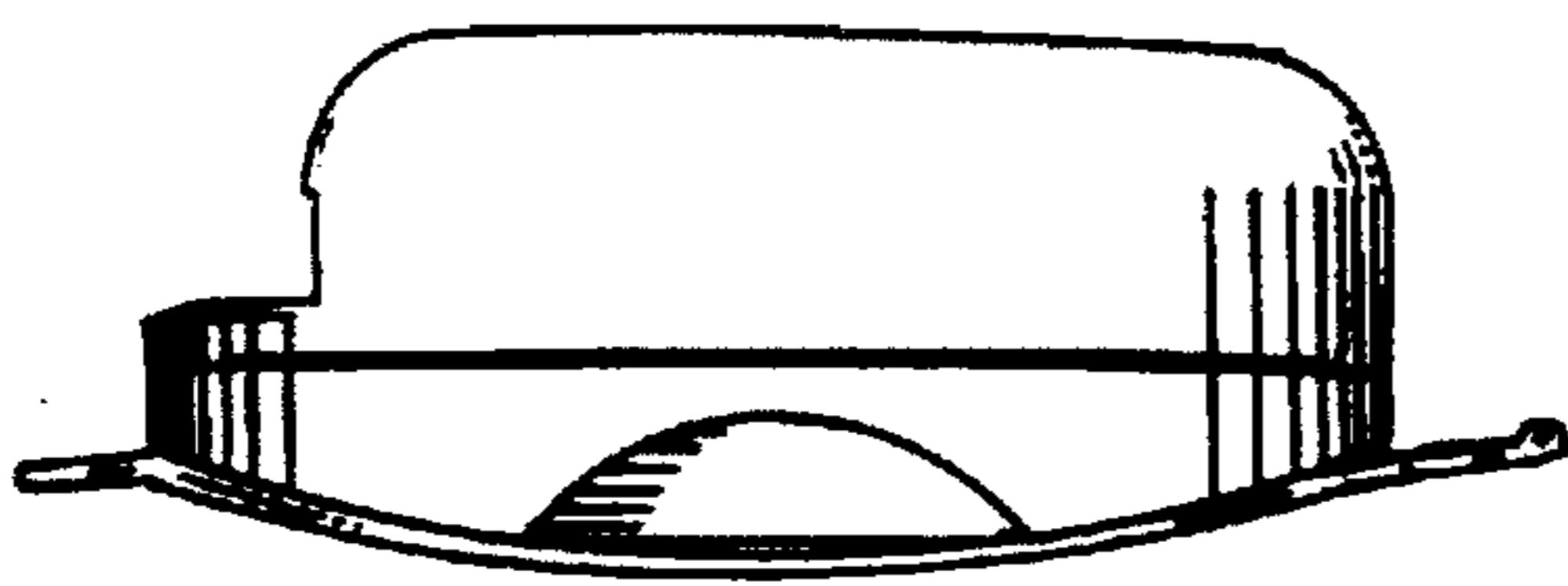


FIG. 23

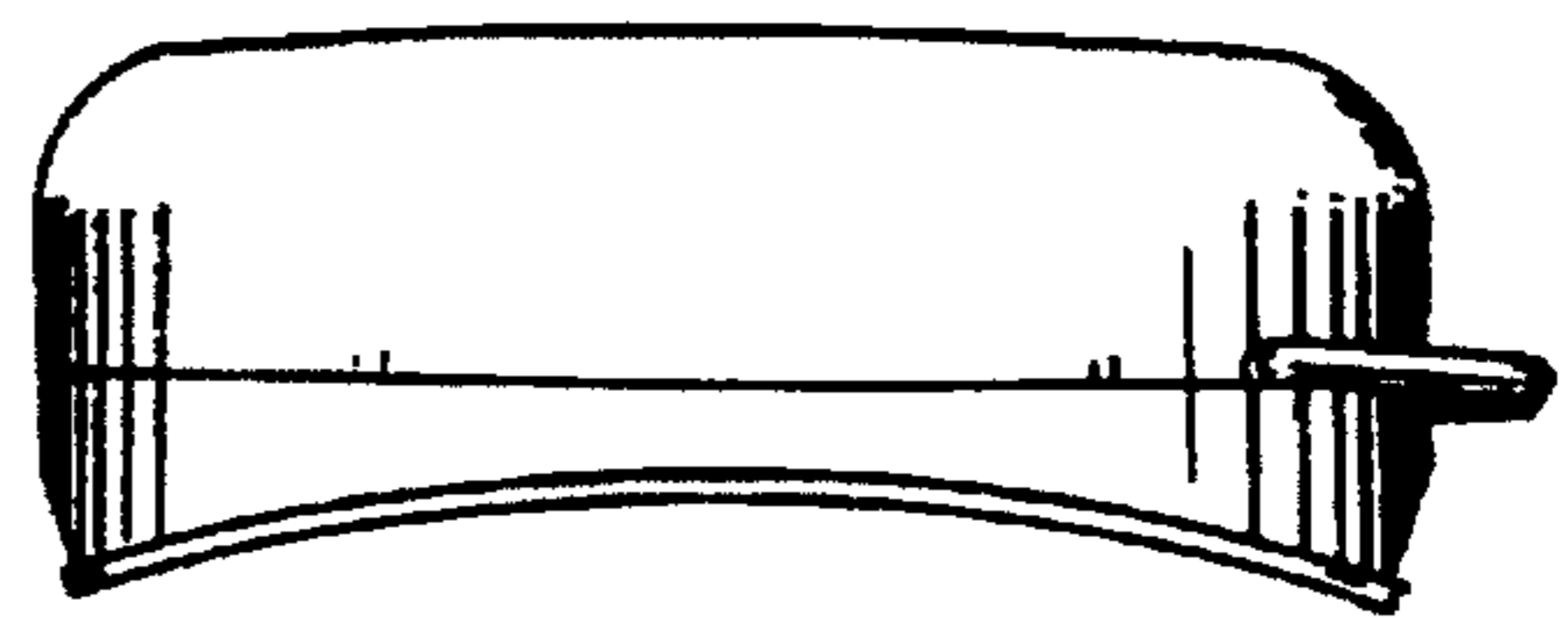


FIG. 24

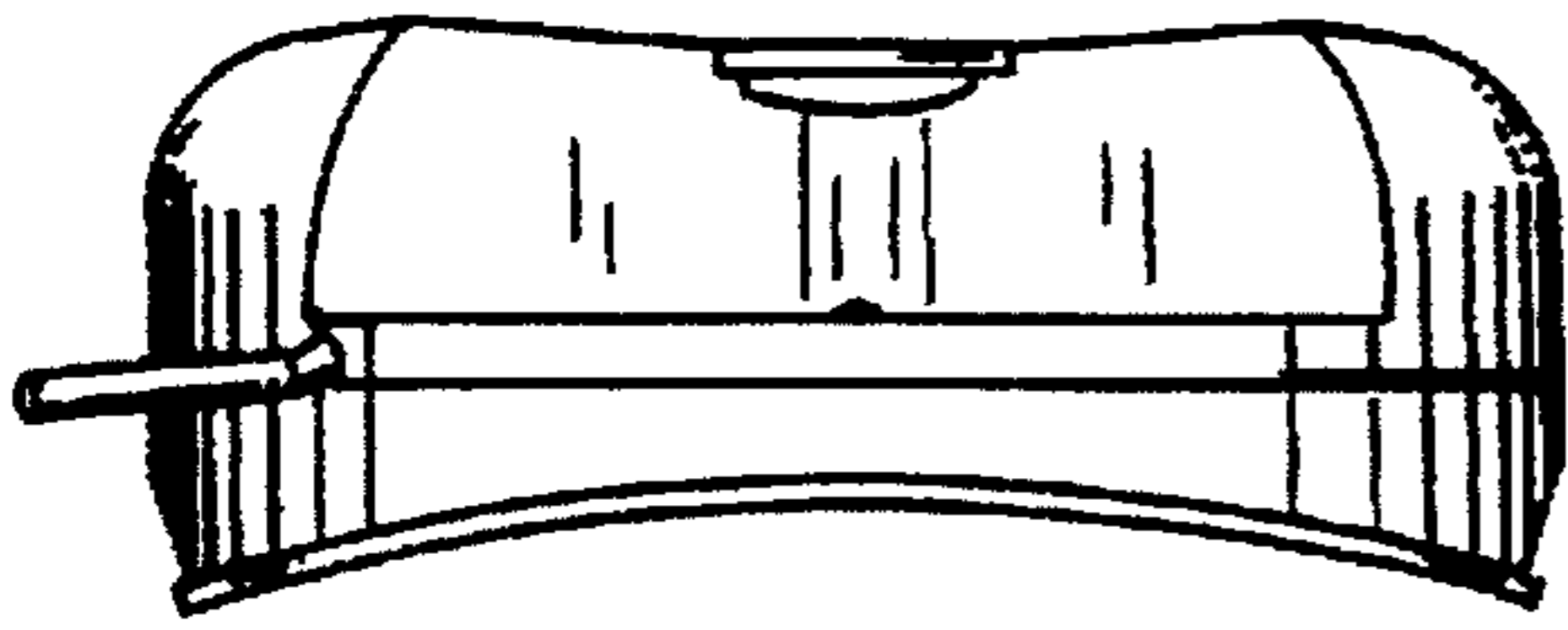


FIG. 25

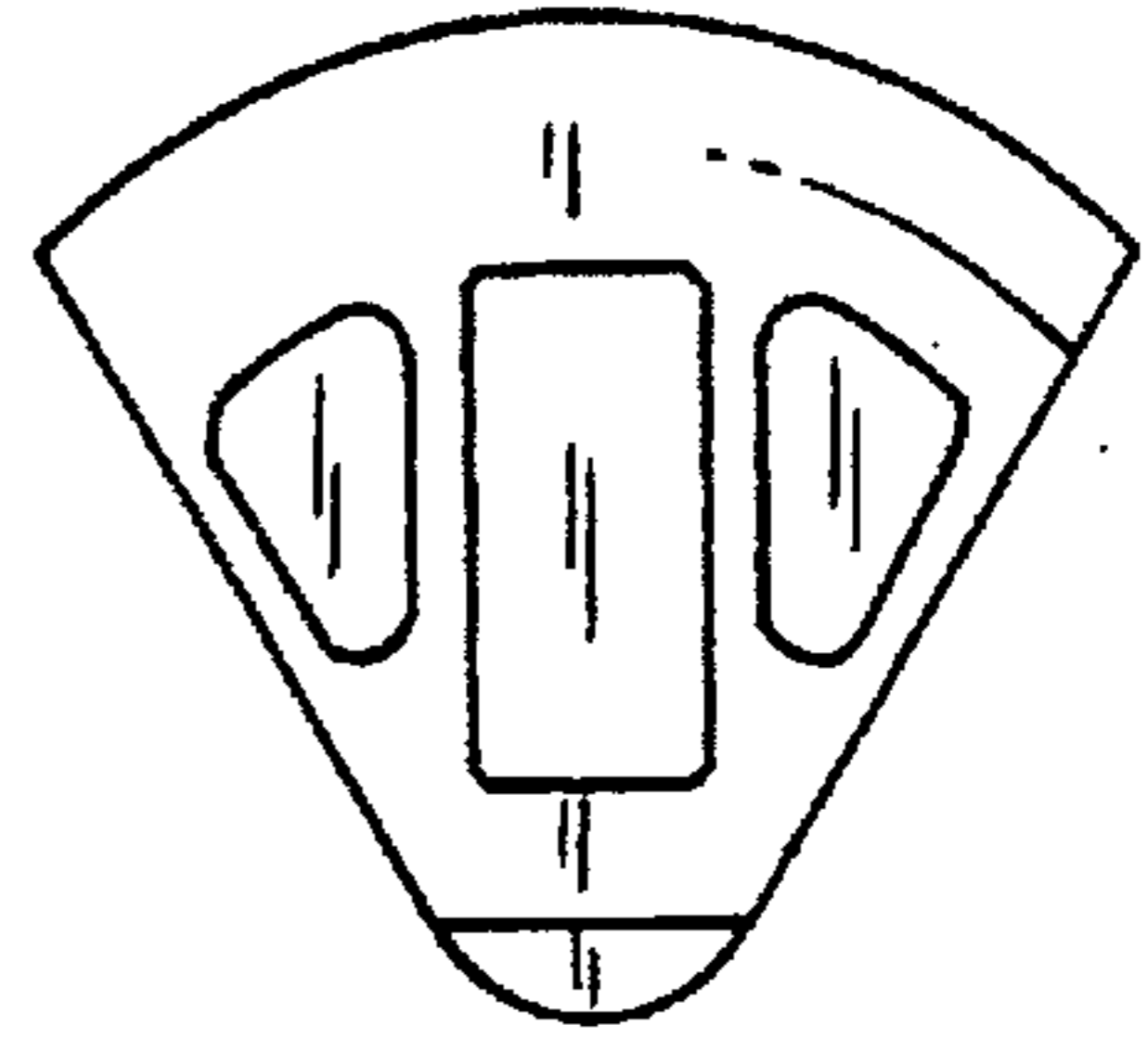


FIG. 26

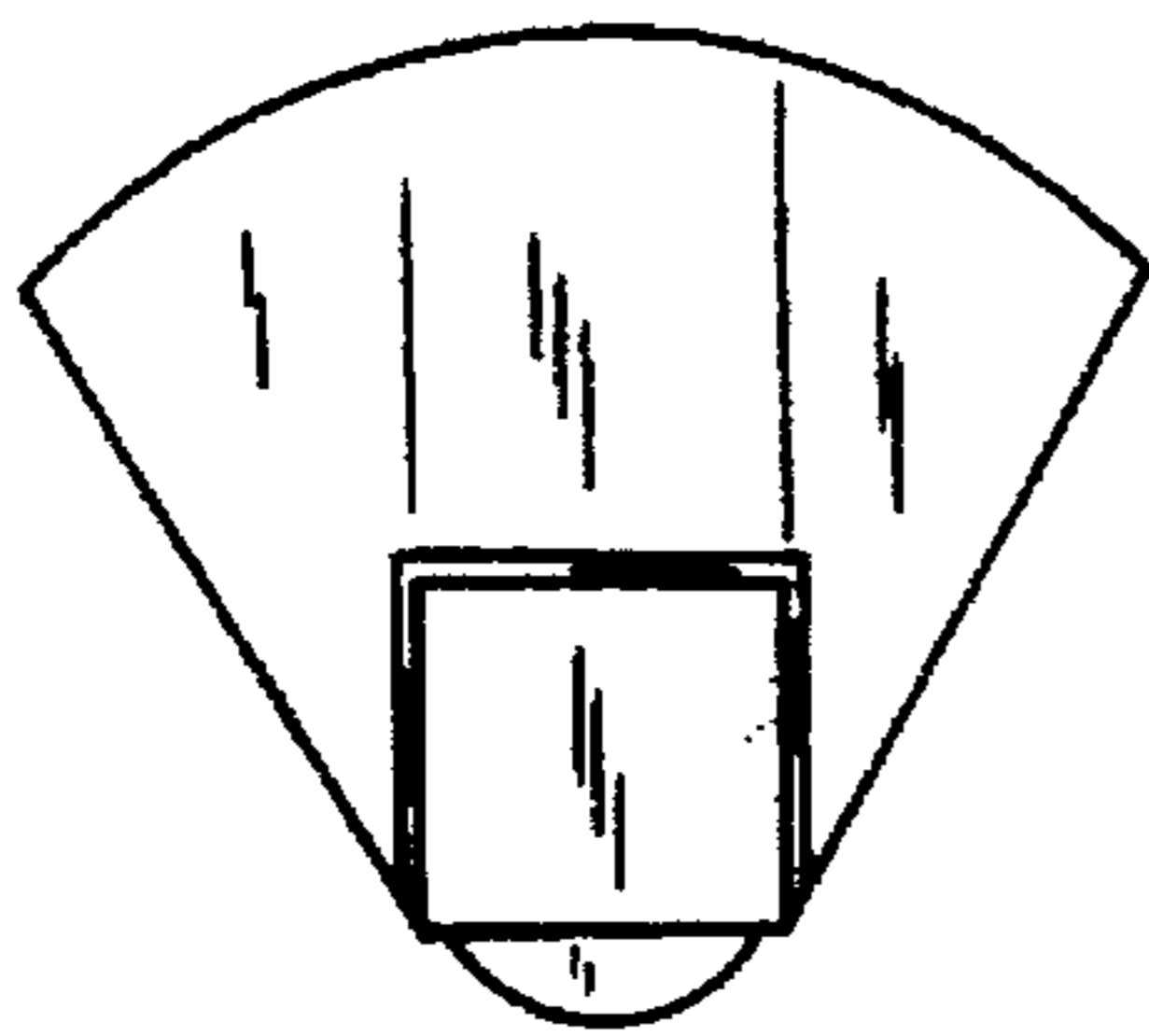


FIG. 27



FIG. 28

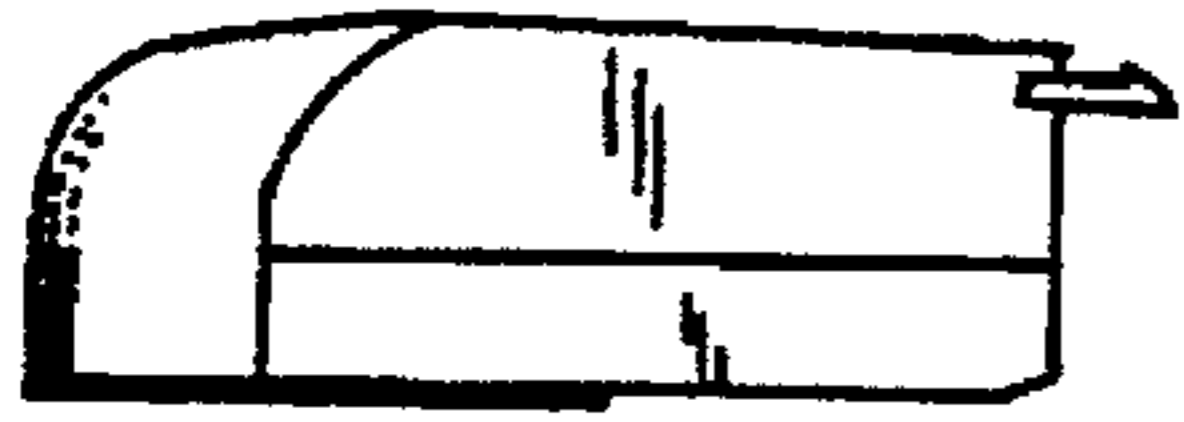


FIG. 29



FIG. 30



FIG. 31

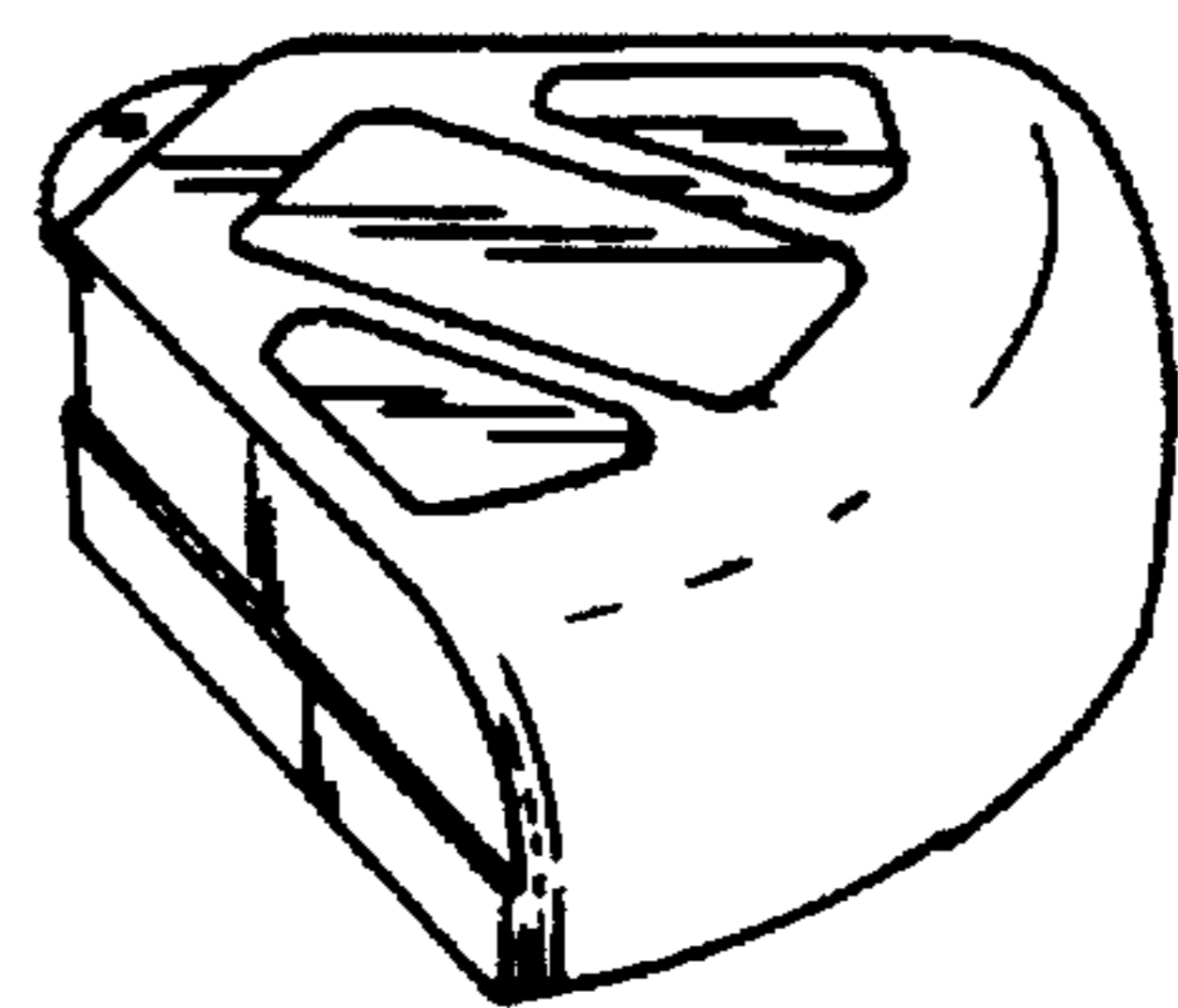


FIG. 32