



US00D510880S

(12) **United States Design Patent**  
**Shapiro**

(10) **Patent No.:** **US D510,880 S**

(45) **Date of Patent:** **\*\* Oct. 25, 2005**

- (54) **HAND-HELD REFRACTOMETER**
- (75) **Inventor:** **Yury Shapiro, San Ramon, CA (US)**
- (73) **Assignee:** **IT Concepts, LLC, Dublin, CA (US)**
- (\*\*) **Term:** **14 Years**
- (21) **Appl. No.:** **29/207,369**
- (22) **Filed:** **Jun. 11, 2004**
- (51) **LOC (8) Cl.** ..... **10-04**
- (52) **U.S. Cl.** ..... **D10/78**
- (58) **Field of Search** ..... **D10/78; 250/227.11-227.14,**  
..... **250/269.1; 356/128-137**

6,195,160 B1 \* 2/2001 Rainer et al. .... 356/135  
 6,816,248 B2 \* 11/2004 Sharma et al. .... 356/136

\* cited by examiner

*Primary Examiner*—Antoine D. Davis  
 (74) *Attorney, Agent, or Firm*—Dorsey & Whitney LLP

(57) **CLAIM**

We claim the ornamental design for a hand-held refractometer, as shown and described.

**DESCRIPTION**

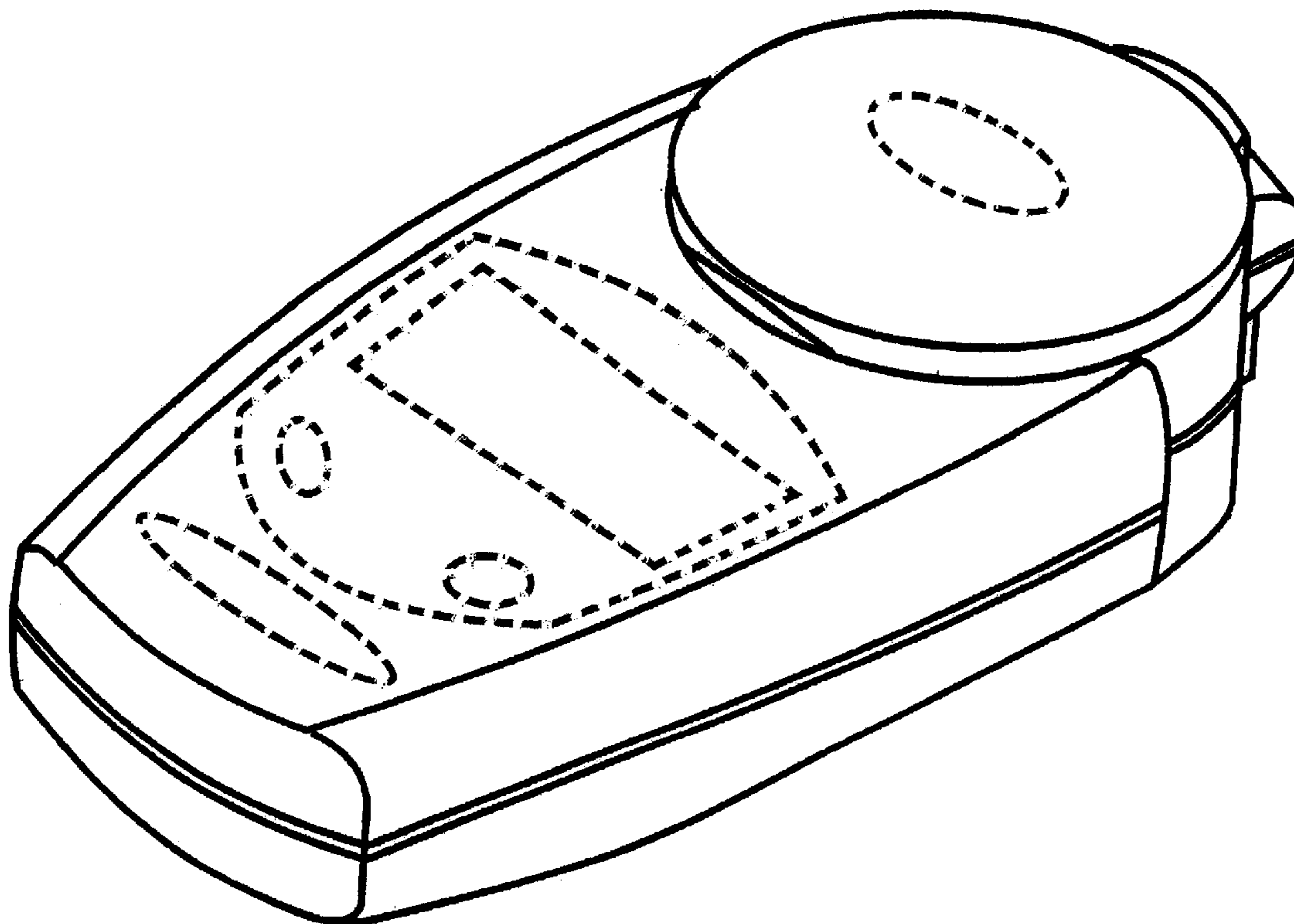
FIG. 1 is an isometric view of the hand-held refractometer of my new design.  
 FIG. 2 is a top plan view thereof.  
 FIG. 3 is a bottom plan view thereof.  
 FIG. 4 is a front elevational view thereof.  
 FIG. 5 is a rear elevational view thereof.  
 FIG. 6 is a right side elevational view thereof; and,  
 FIG. 7 is a left side elevational view thereof.  
 The broken lines showing throughout the drawing figures are included for the purpose of illustrating environmental structure only and form no part of the claimed design.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 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
- D364,825 S \* 12/1995 Brodeur et al. .... D10/78
- D371,516 S \* 7/1996 Guber et al. .... D10/78
- D381,921 S \* 8/1997 Siemon et al. .... D10/78
- D396,814 S \* 8/1998 Akeley ..... D10/78

**1 Claim, 3 Drawing Sheets**



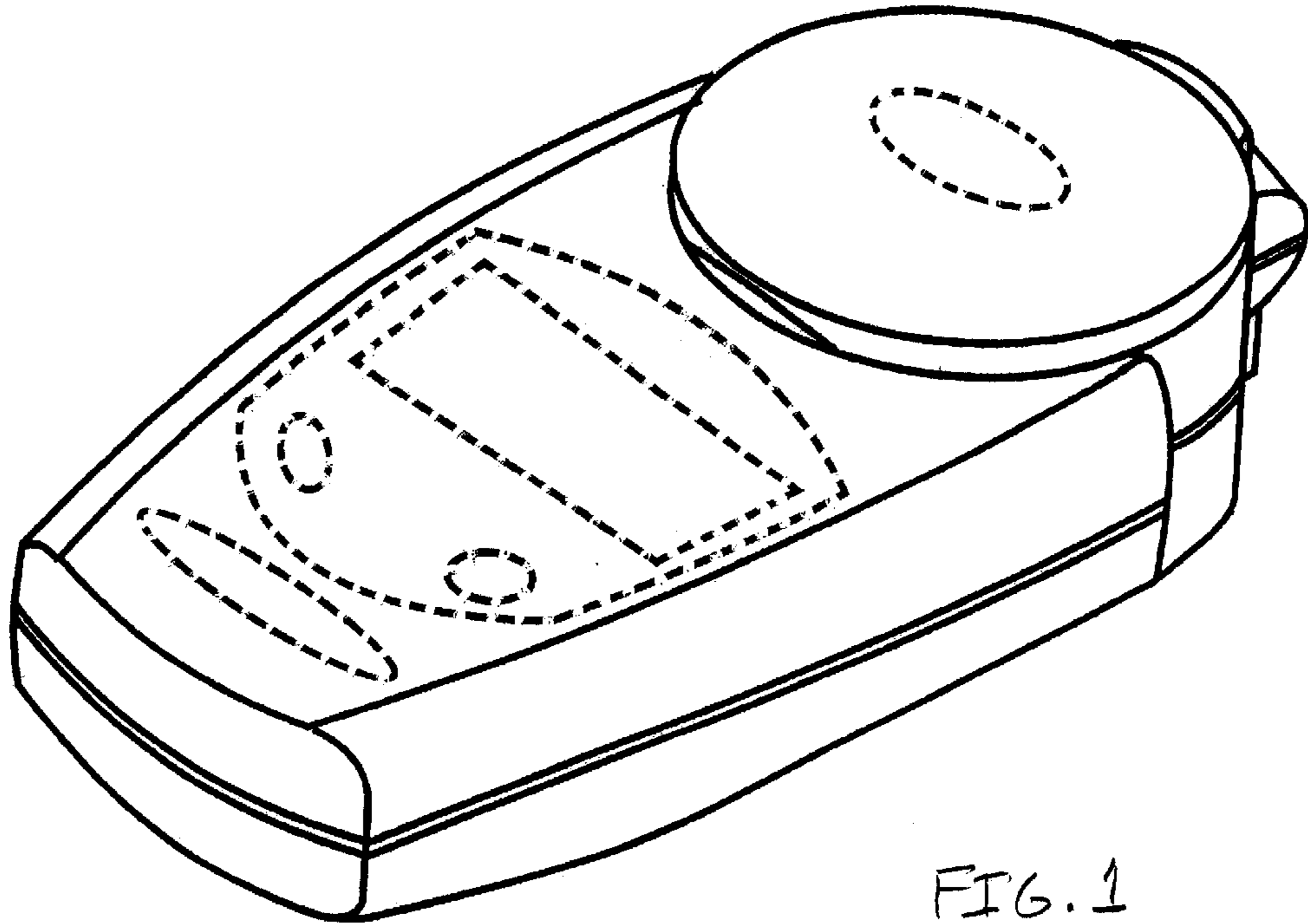


FIG. 1

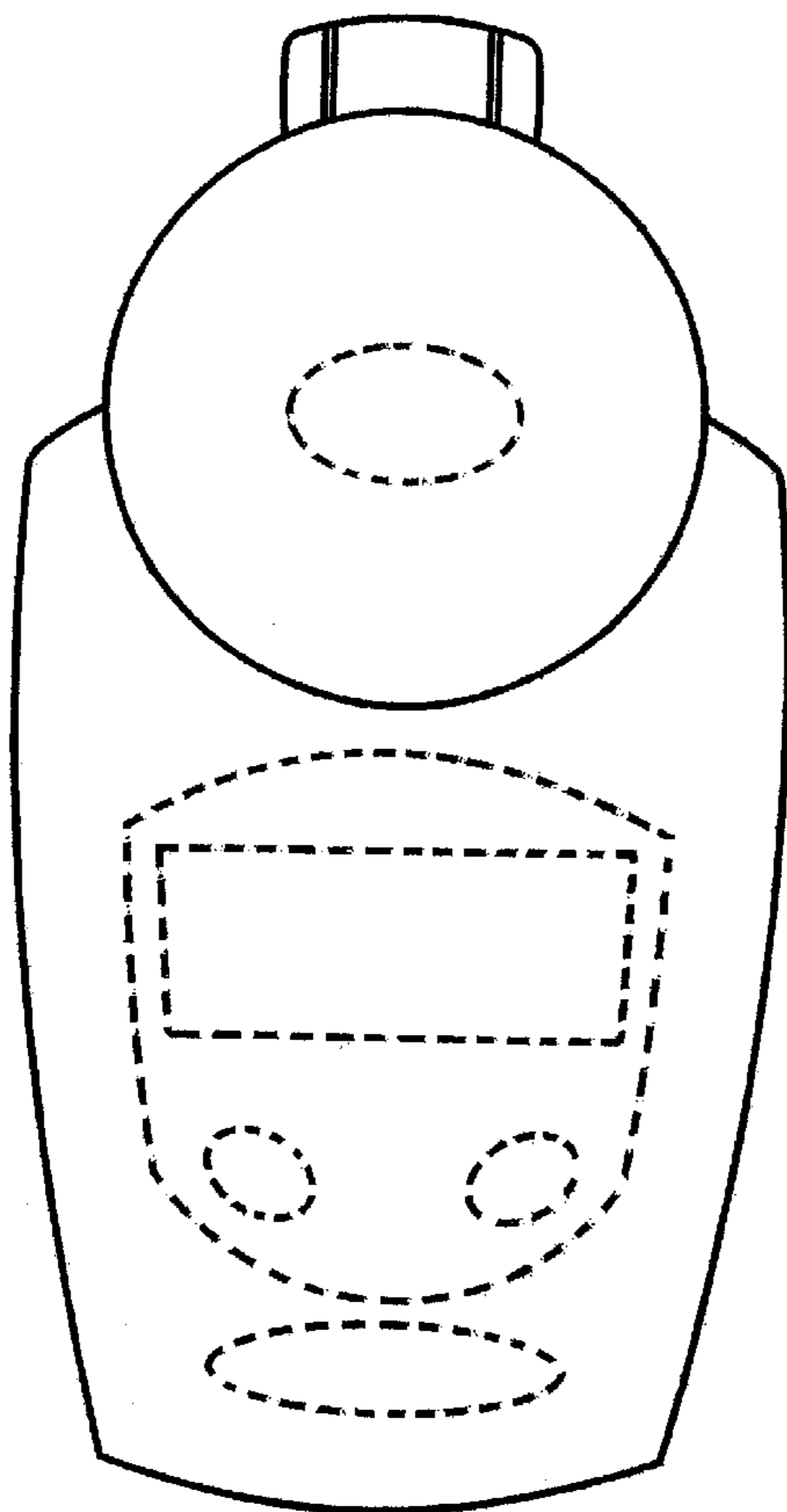


FIG. 2

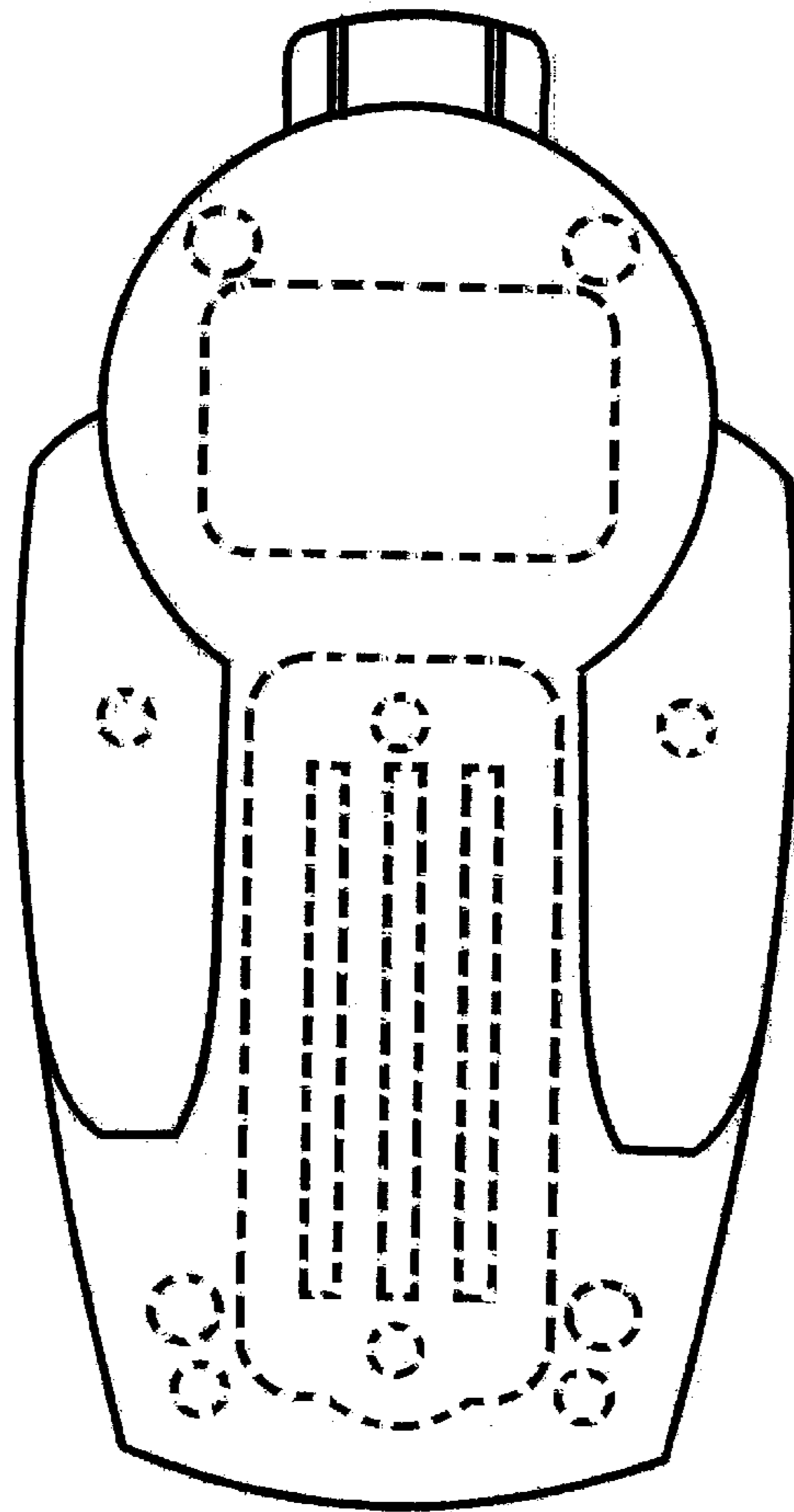


FIG. 3

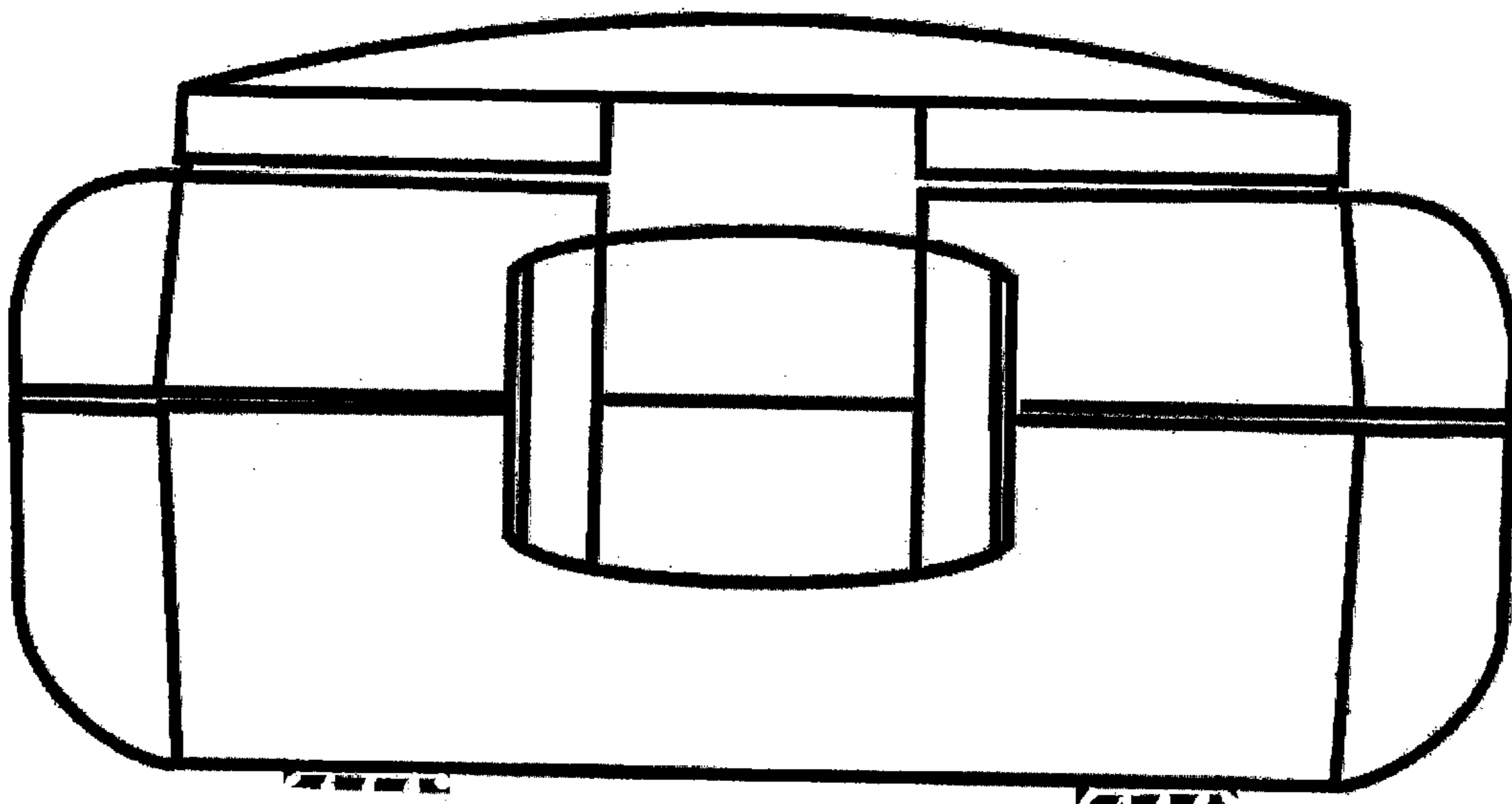


FIG. 4

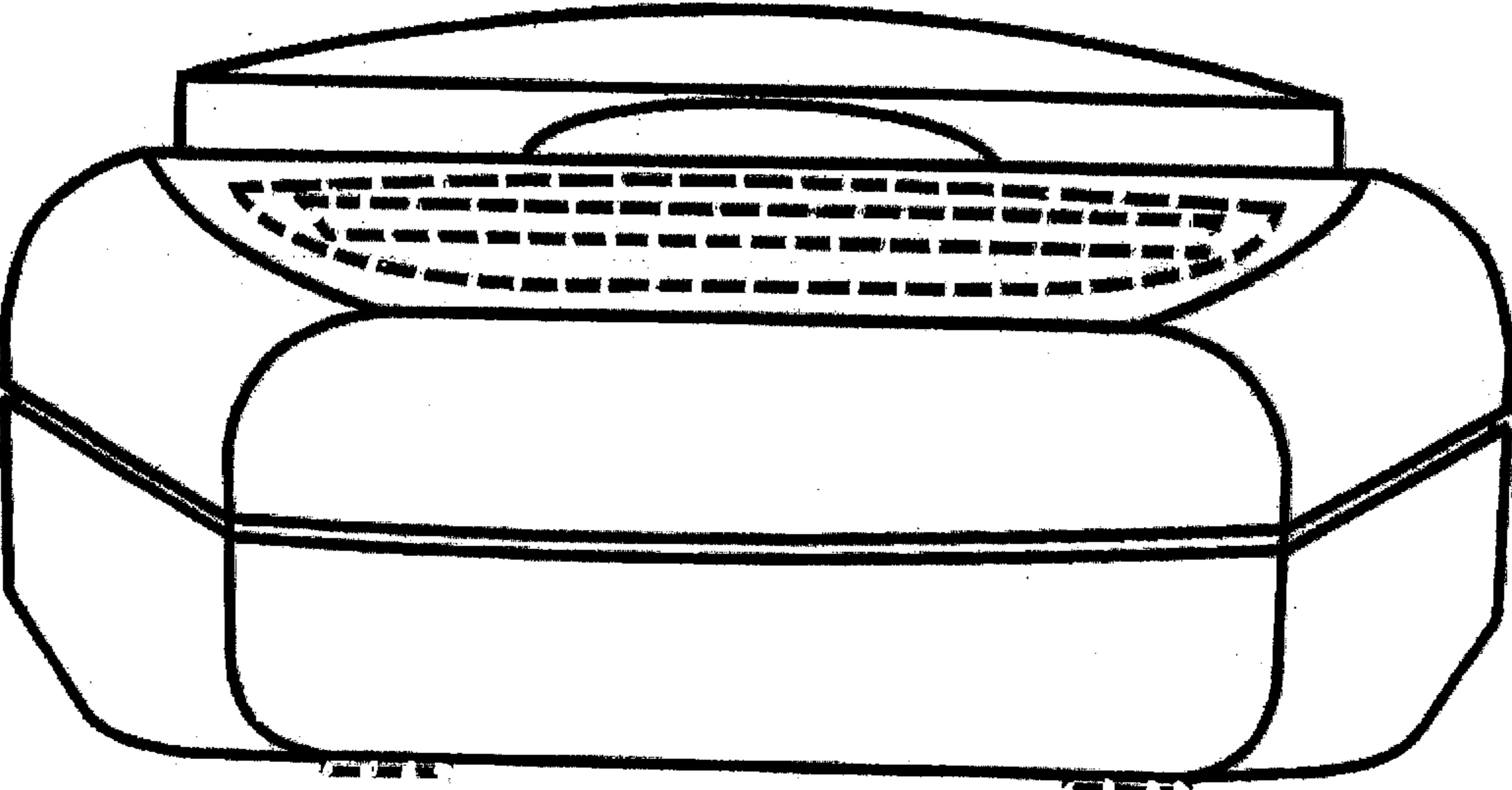


FIG. 5

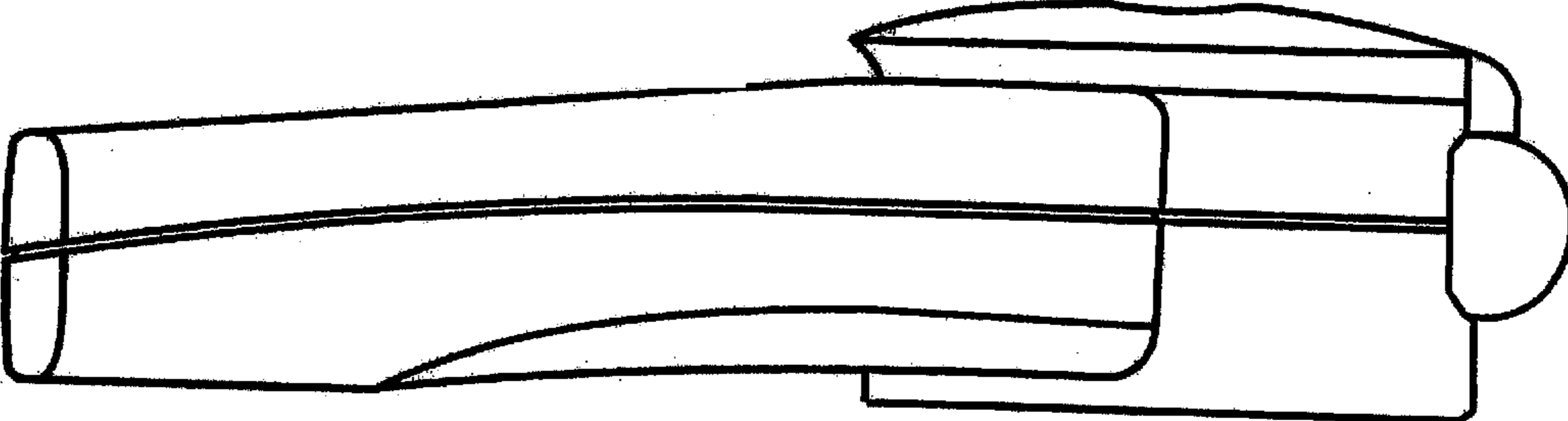


FIG. 6

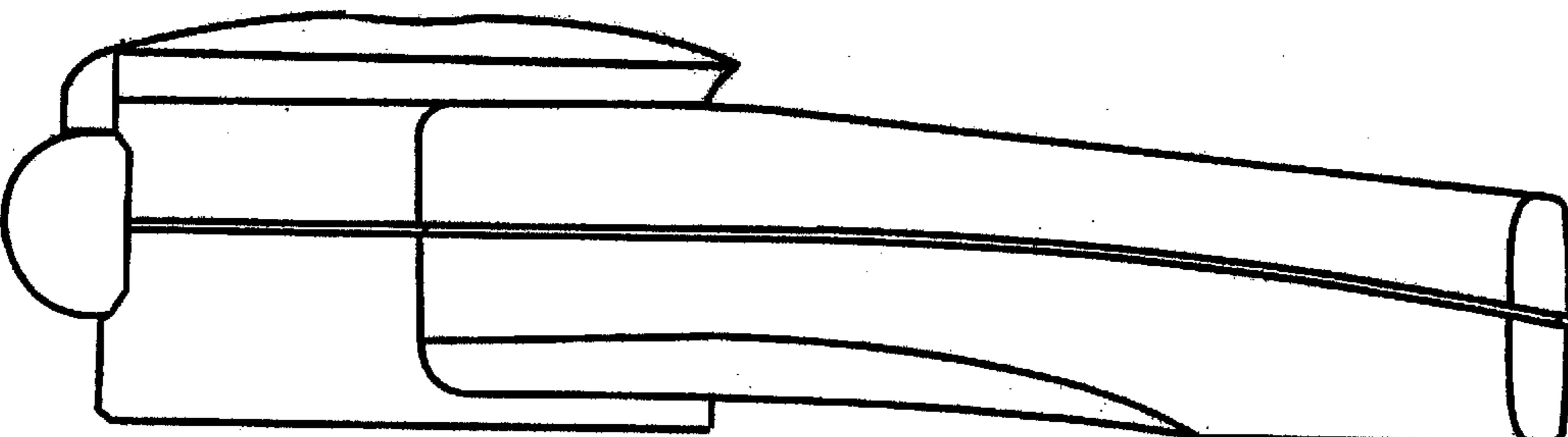


FIG. 7