



US00D880422S

(12) **United States Design Patent** (10) **Patent No.:** **US D880,422 S**
Frigo et al. (45) **Date of Patent:** **** Apr. 7, 2020**

(54) **BATTERY TESTER WITH DOCKING STATION**

Primary Examiner — Derrick E Holland
Assistant Examiner — Jennifer O King
(74) *Attorney, Agent, or Firm* — Boardman & Clark LLP

(71) Applicant: **Johnson Controls Technology Company**, Milwaukee, WI (US)

(57) **CLAIM**

(72) Inventors: **Clare A. Frigo**, Pewaukee, WI (US);
Dale A. Gospodarek, Kenosha, WI (US);
Julie C. Roberts, Cedarburg, WI (US);
Itziar T. Frias, Milwaukee, WI (US)

The ornamental design for a battery tester with docking station, as shown and described.

DESCRIPTION

(73) Assignee: **CPS Technology Holdings LLC**, New York, NY (US)

FIG. 1 is a front isometric view of a design of a battery tester with docking station, with the battery tester shown removed and alone for ease of illustration;

(**) Term: **15 Years**

FIG. 2 is a back isometric view thereof;

(21) Appl. No.: **29/623,181**

FIG. 3 is a front view thereof;

(22) Filed: **Oct. 23, 2017**

FIG. 4 is a back view thereof;

(51) **LOC (12) Cl.** **13-02**

FIG. 5 is a right side view thereof;

(52) **U.S. Cl.** **D13/119**

FIG. 6 is a left side view thereof;

(58) **Field of Classification Search**

FIG. 7 is a top view thereof;

USPC D13/103, 104, 107, 108, 110, 119, 120,
D13/149, 184, 199; 320/104, 105;
D10/77

FIG. 8 is a bottom view thereof;

See application file for complete search history.

FIG. 9 is a front isometric view of a design of a battery tester with docking station, with the docking station shown removed and alone for ease of illustration;

(56) **References Cited**

U.S. PATENT DOCUMENTS

D299,909 S * 2/1989 Casey D10/77
D311,897 S * 11/1990 Moore D13/107

(Continued)

FIG. 10 is a back isometric view thereof;

FIG. 11 is a front view thereof;

FIG. 12 is a back view thereof;

FIG. 13 is a right side view thereof, the left side being a mirror image of the right side view shown in FIG. 13;

FIG. 14 is a left side view thereof, the right side being a mirror image of the left side view shown in FIG. 14;

FIG. 15 is a top view thereof;

FIG. 16 is a bottom view thereof;

FIG. 17 is a front isometric view of a battery tester with docking station; and,

FIG. 18 is a back isometric view thereof.

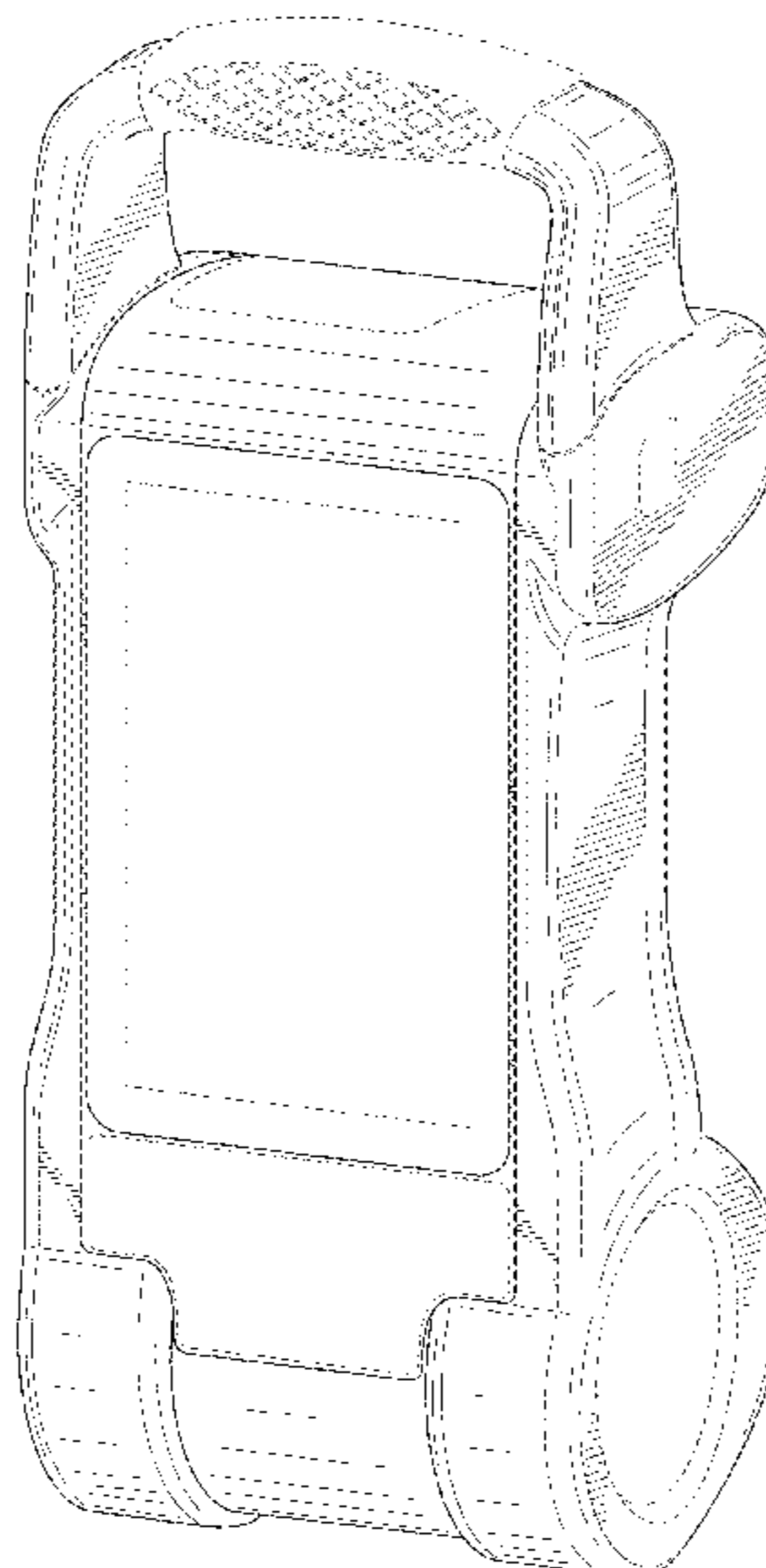
The parallel dashed lines at the base of the handle represent seam lines and form no part of the claimed design. The remaining broken lines show portions of the battery tester with docking station that form no part of the claimed design.

OTHER PUBLICATIONS

Midtronics, "Advancing Battery Management, DSS-5000" Battery Diagnostic Service System, No. 190-000132A, 2 pages.

(Continued)

1 Claim, 16 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D414,284 S * 9/1999 Zelina, Jr. D26/38
D474,703 S * 5/2003 Scaglione D10/77
D495,994 S * 9/2004 Arakelian D13/103
D530,272 S * 10/2006 Hulden D13/107
D629,707 S * 12/2010 Young D10/77
D643,759 S * 8/2011 Bertness D10/77
D672,320 S * 12/2012 Love D13/168
D687,727 S * 8/2013 Kehoe D10/77
D710,230 S * 8/2014 Burke D10/104.1
9,092,634 B2 * 7/2015 Cherry G06F 21/602
D805,029 S * 12/2017 Zhao D13/107

OTHER PUBLICATIONS

Midtronics, "Advancing Battery Management, EXP-1000", Expandable Electrical Diagnostic Platform, No. 190-102D En, 4 pages.

Midtronics, "Advancing Battery Management, EXP-1000HD", Expandable Electrical Diagnostic Analyzer Platform, No. 190-000098C_En, 4 pages.

Midtronics, Electrical "Advancing Battery Management, EXP-800", Battery and System Diagnostic Analyzer, No. 190-000050B, 2 pages.

Midtronics, "Advancing Battery Management, MDX-600 Series", Battery Conductance and Electric System Analyzers, No. 190-015D_EN, 4 pages.

Midtronics, "Advancing Battery Management, MDX-700HD", Heavy Duty Battery Conductance and Electrical System Analyzer, No. 190-000024B_EN, 4 pages.

Midtronics "Advancing Battery Management, MDX-P300", Battery Conductance and Electrical System Tester, No. 190-004C, 2 pages.

Midtronics, "Advancing Battery Management, PBT Series", Battery and Electrical System Testers and Analyzers, No. 190-000057B-EN, 2 pages.

* cited by examiner

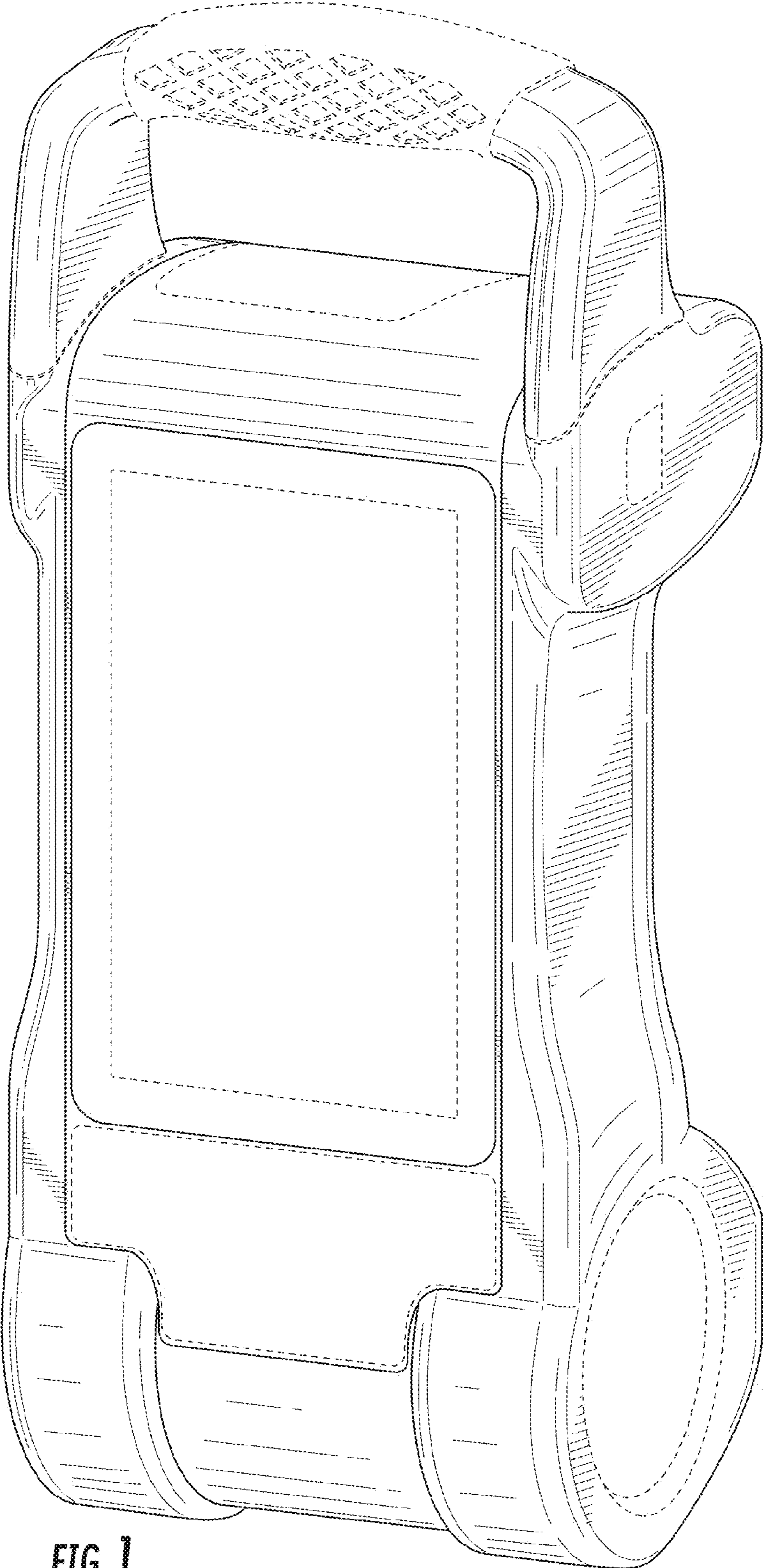


FIG. 1

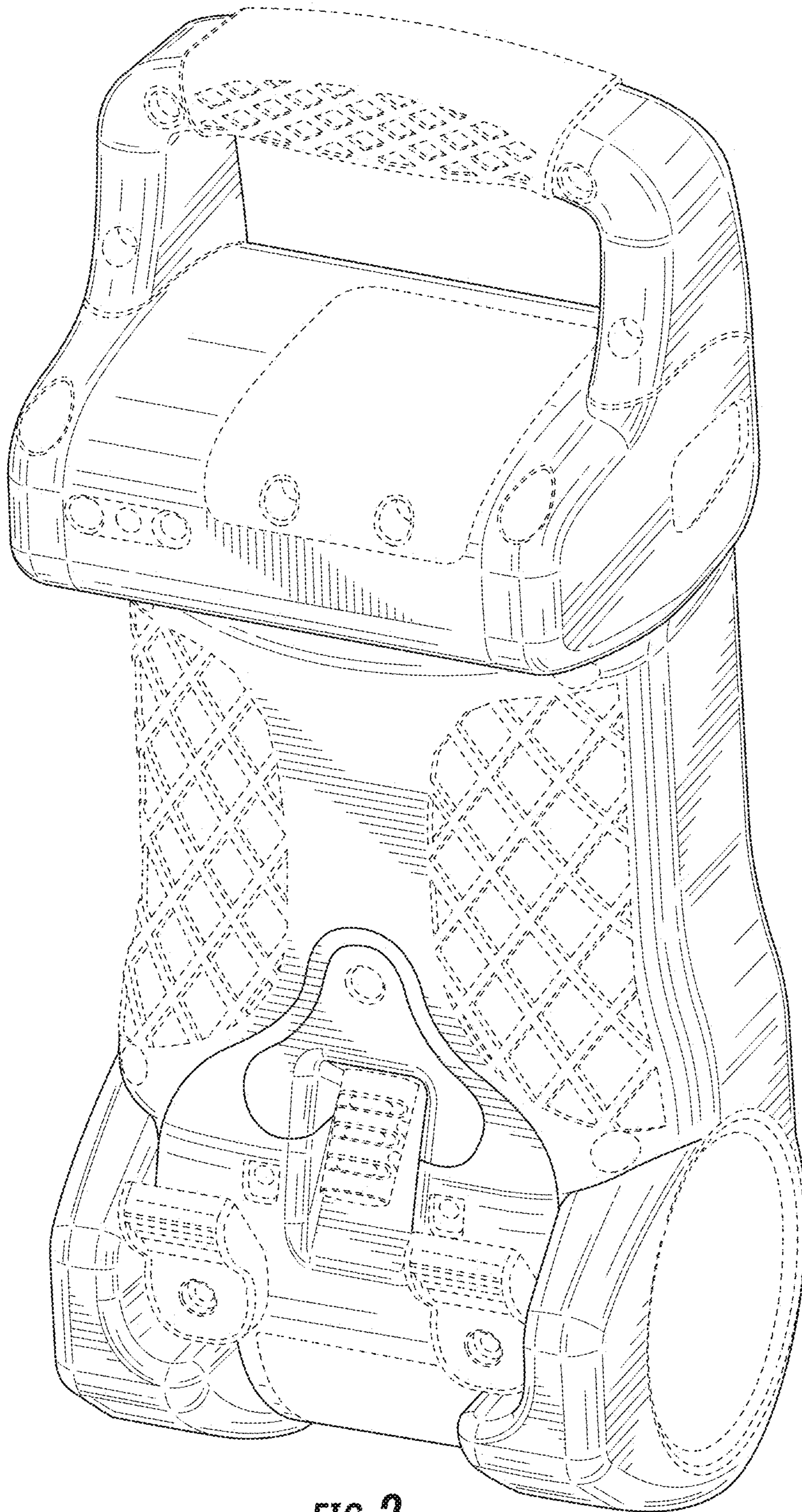


FIG. 2

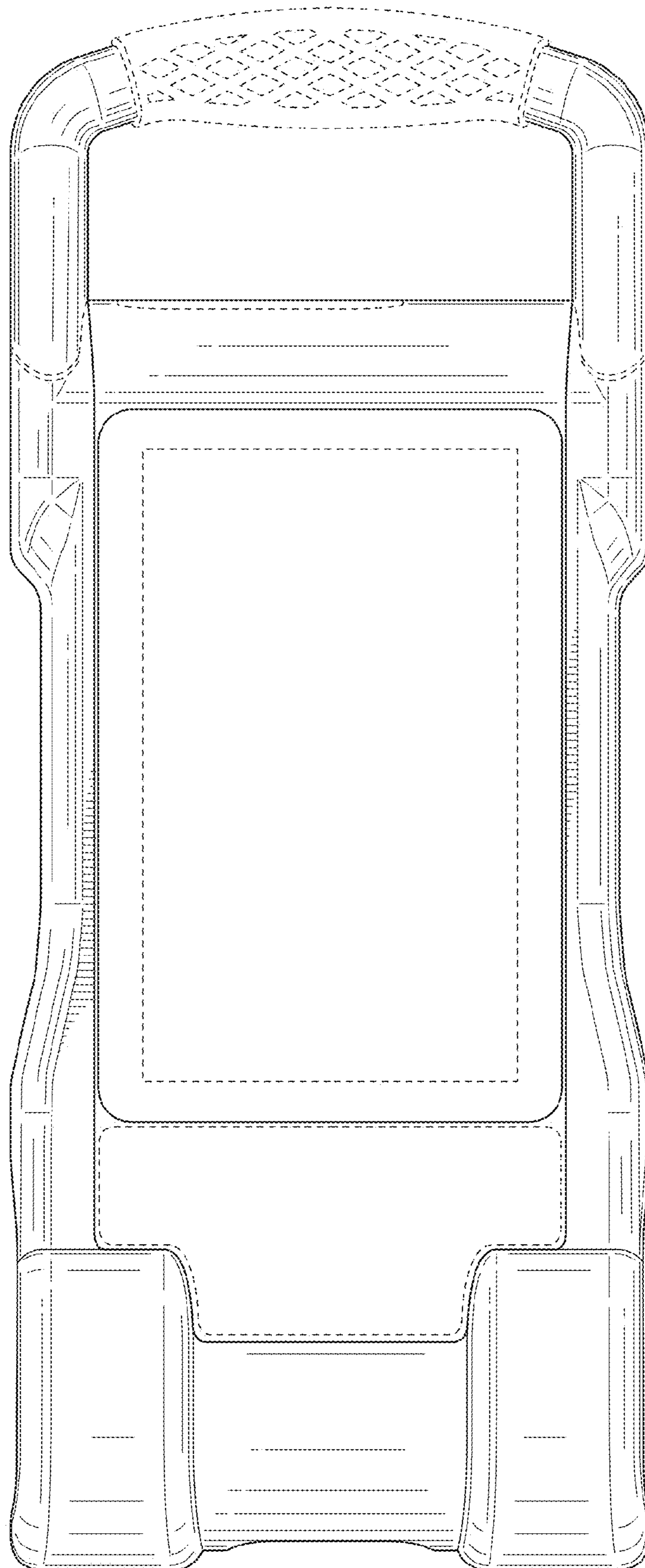


FIG. 3

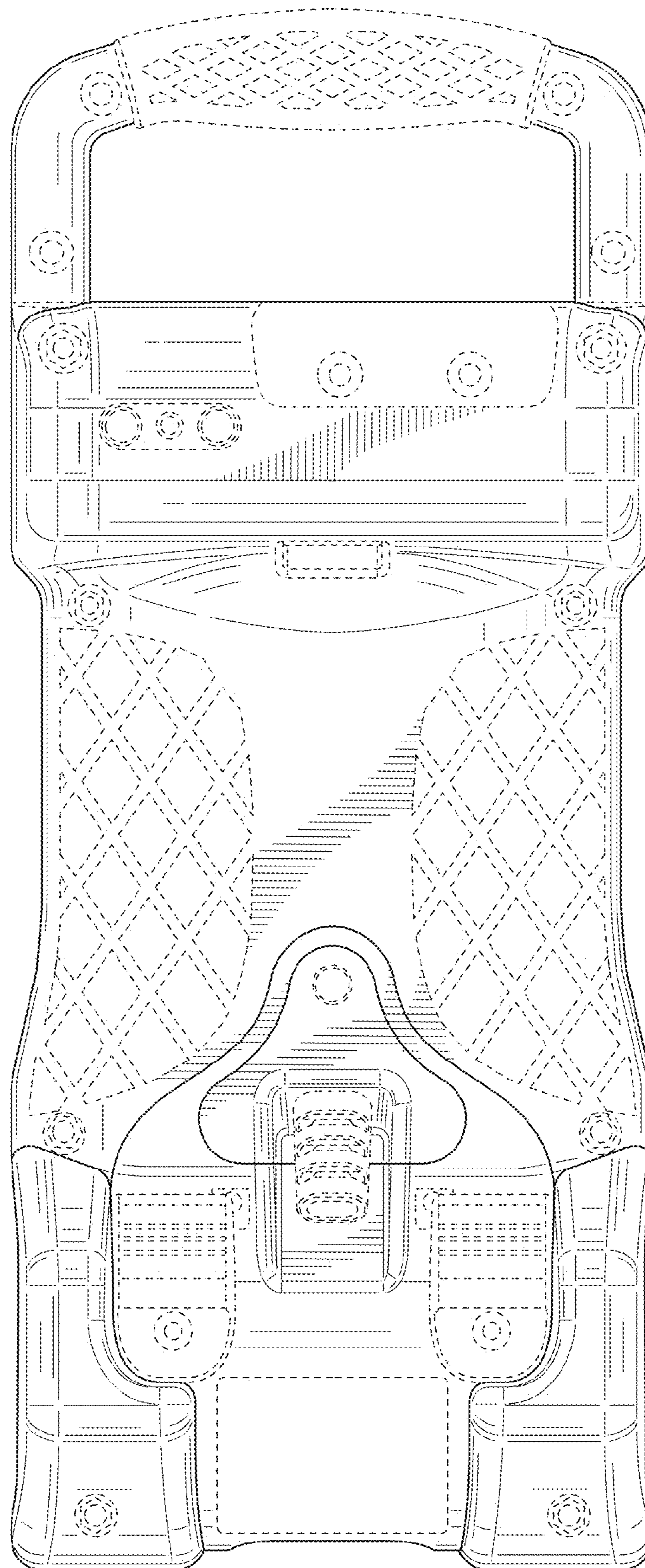


FIG. 4

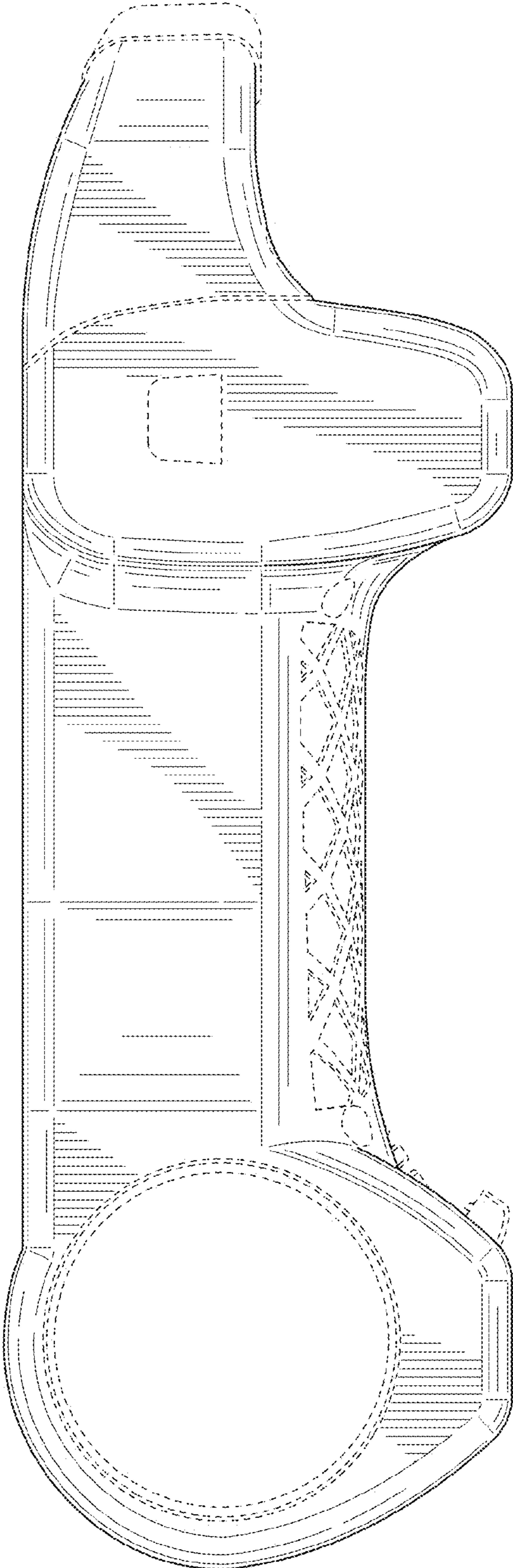


FIG. 5

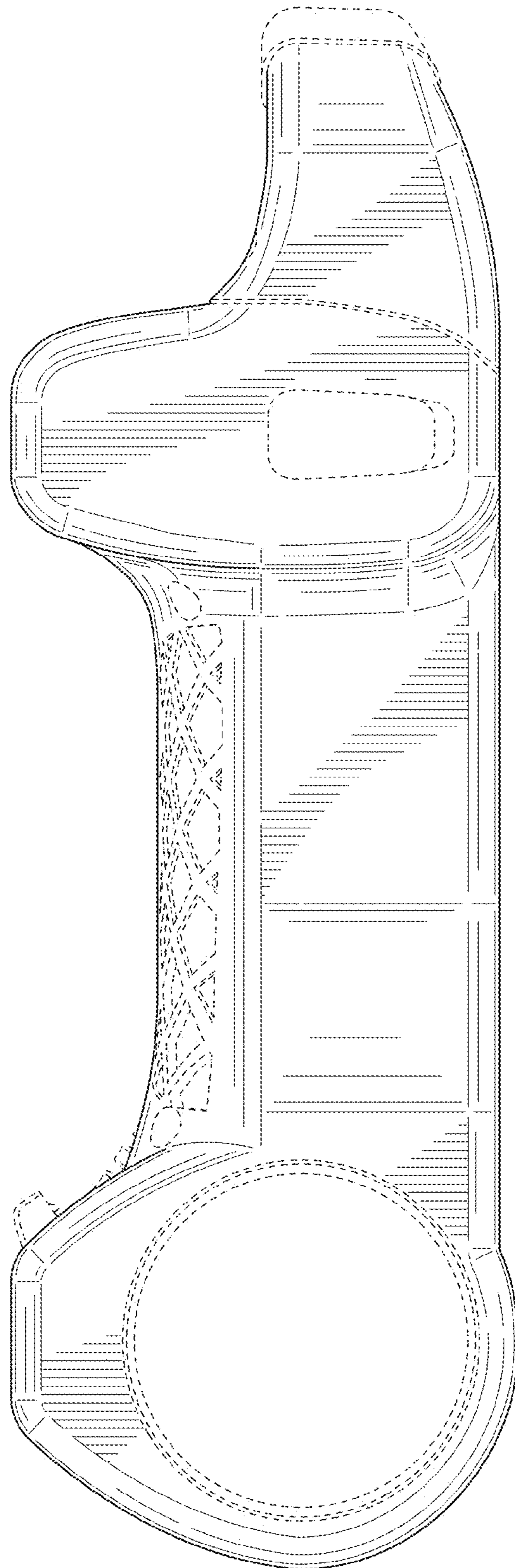


FIG. 6

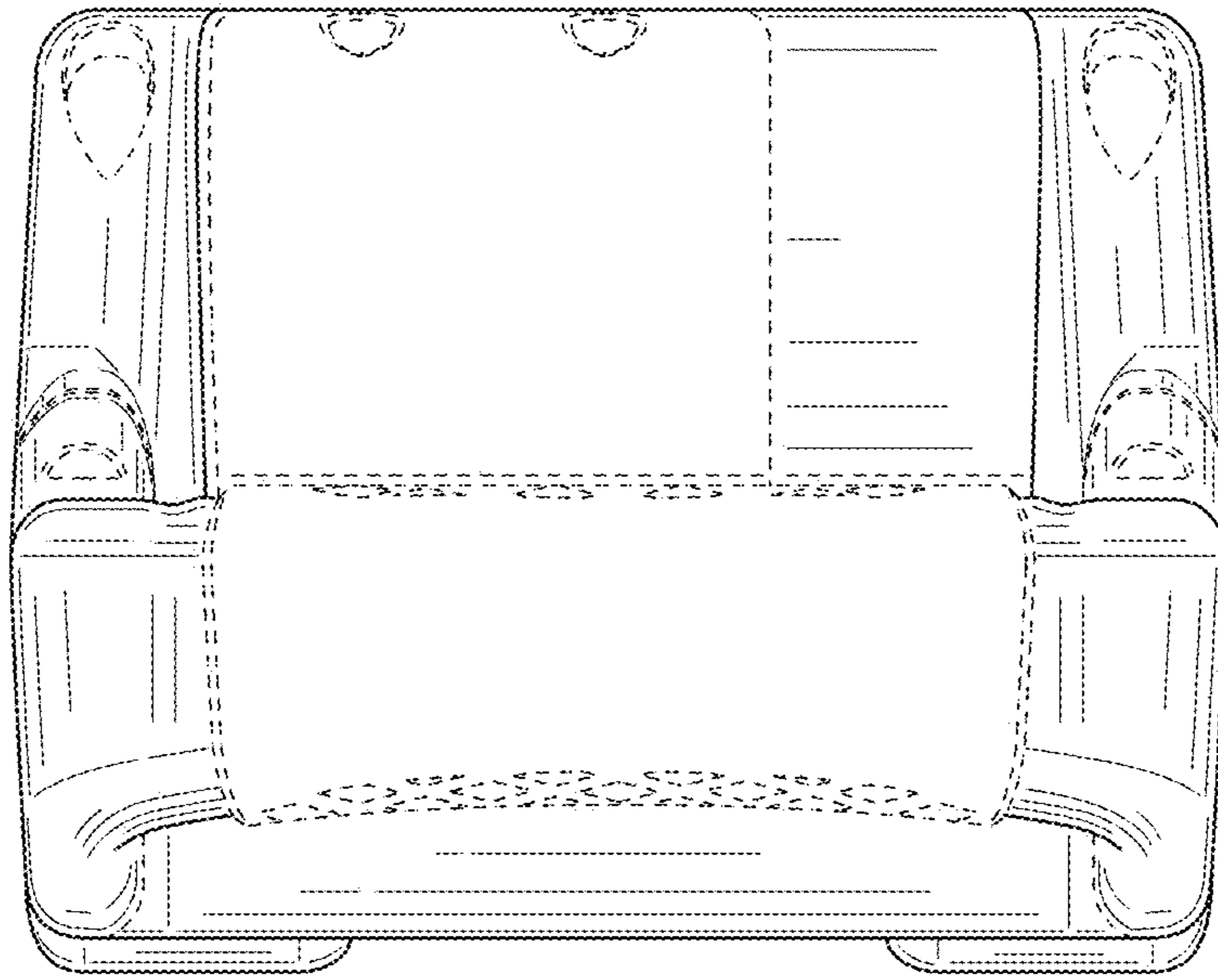


FIG. 7

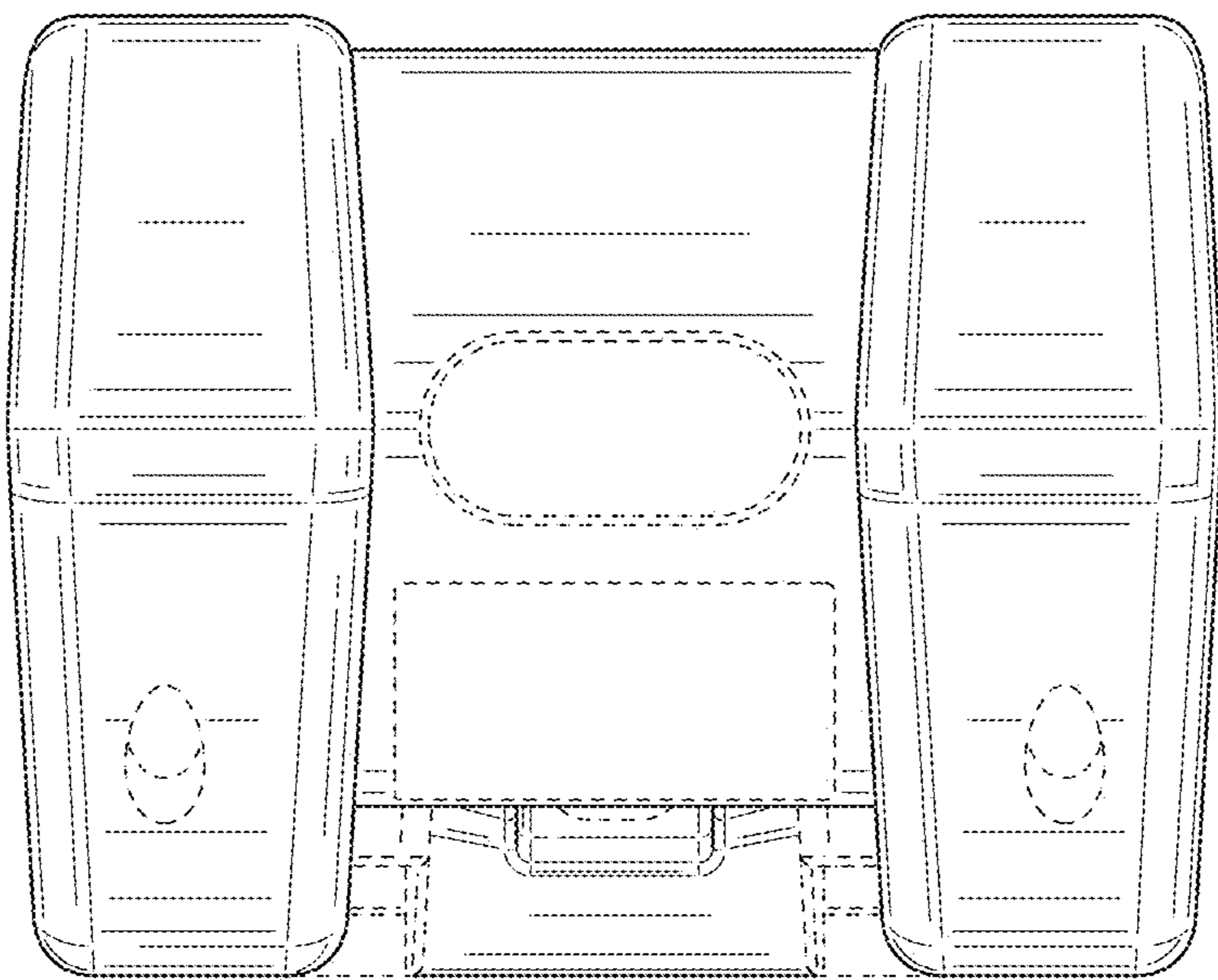


FIG. 8

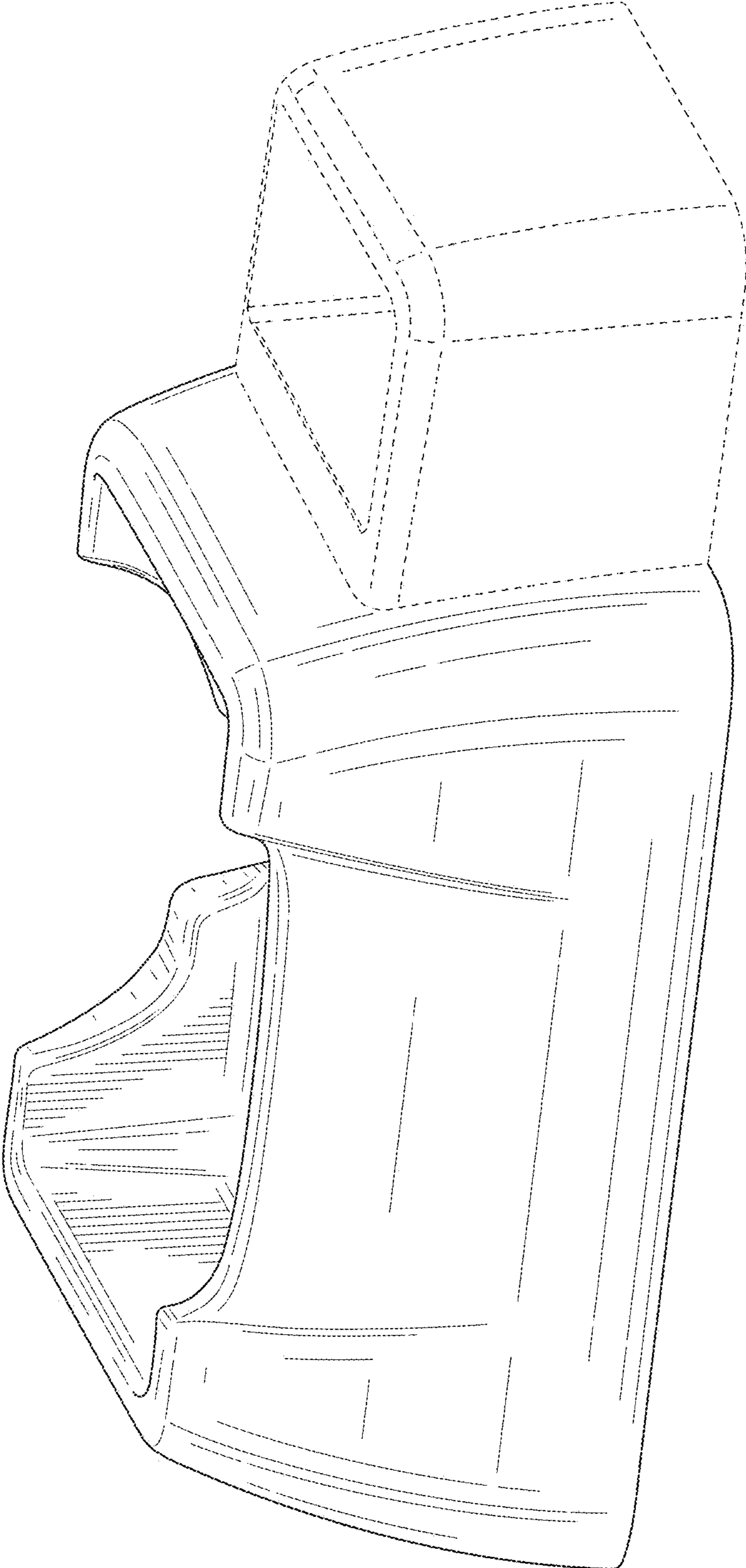


FIG. 9

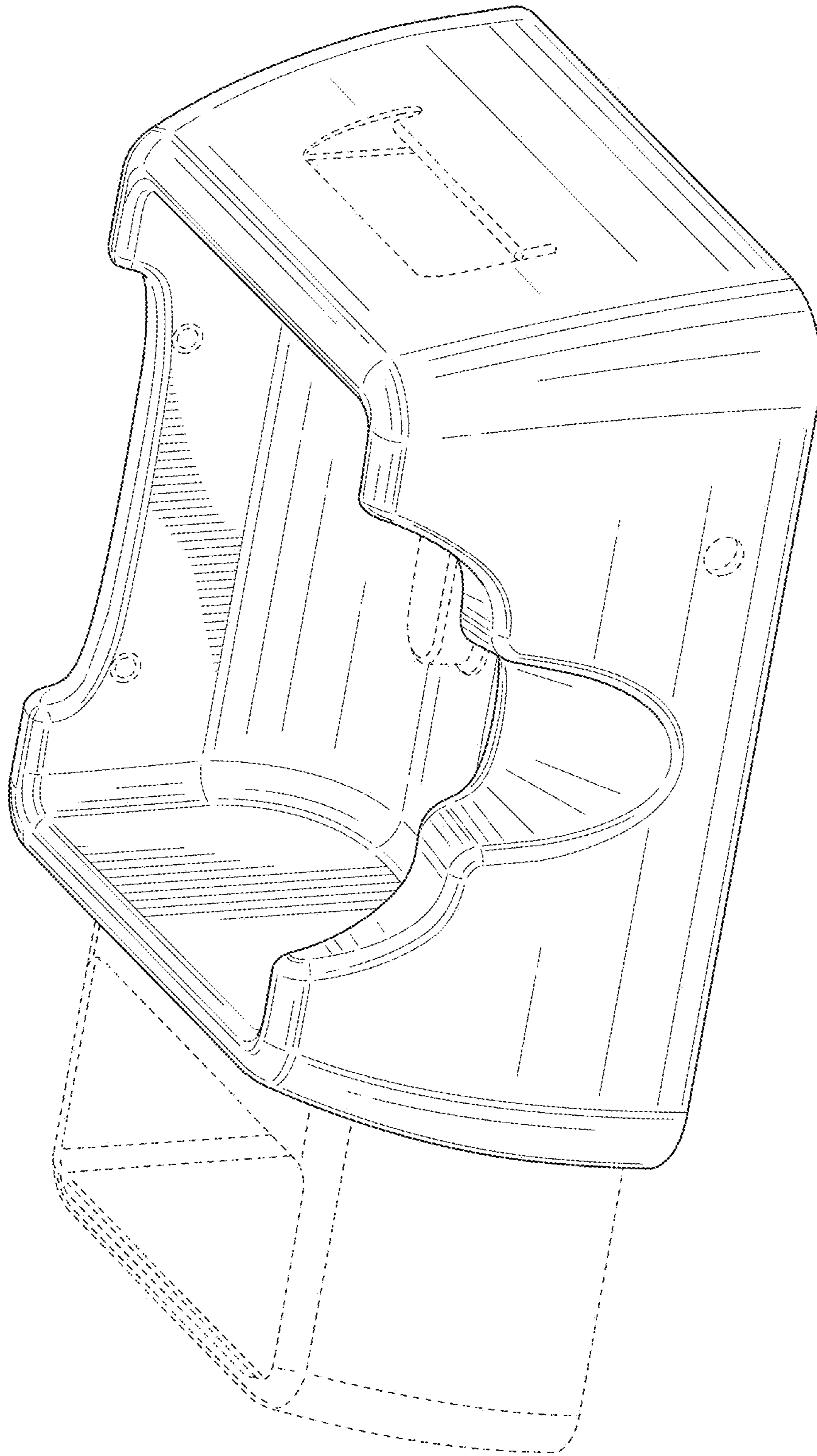


FIG. 10

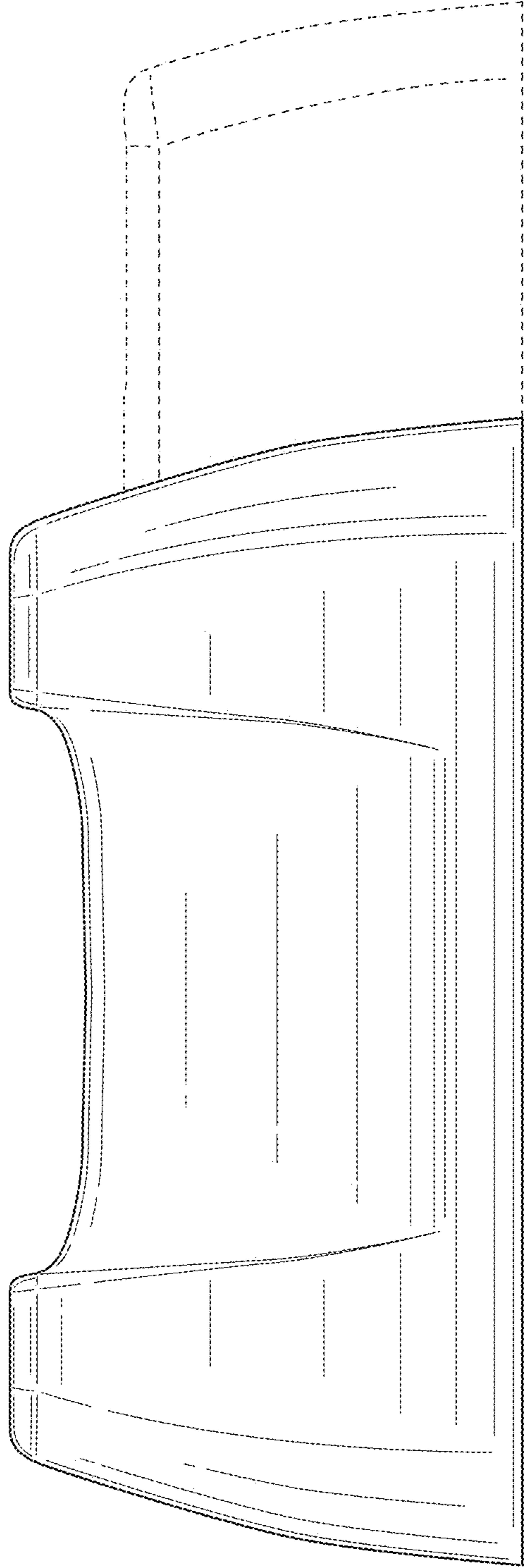


FIG. 11

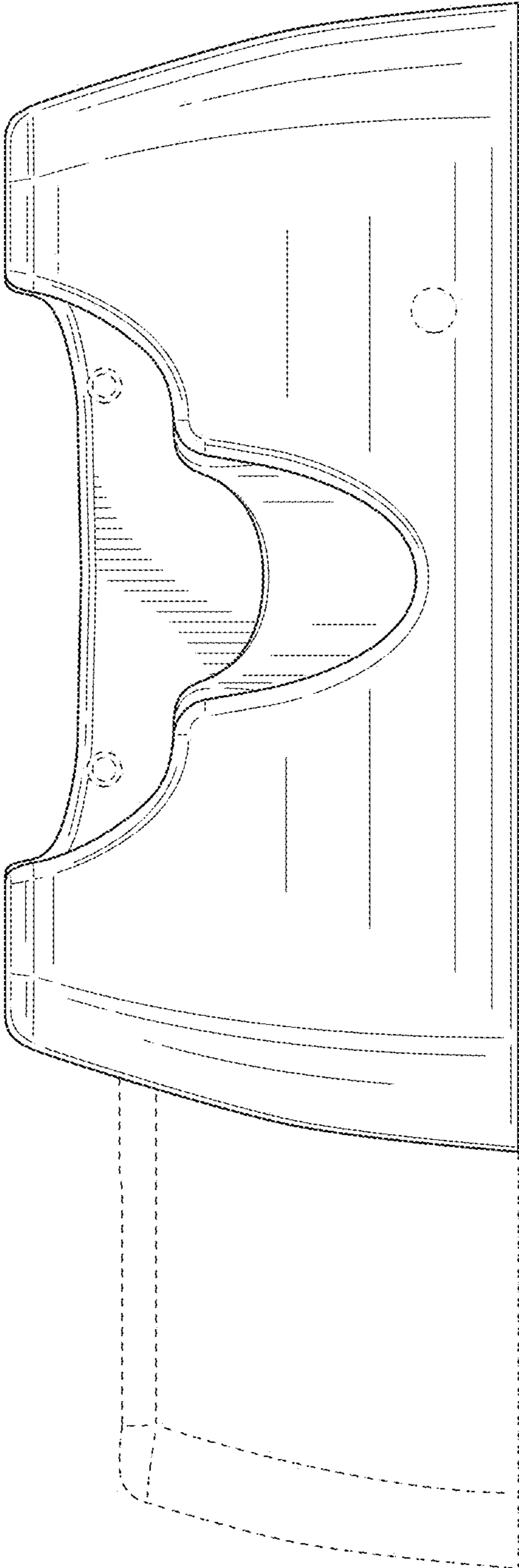


FIG. 12

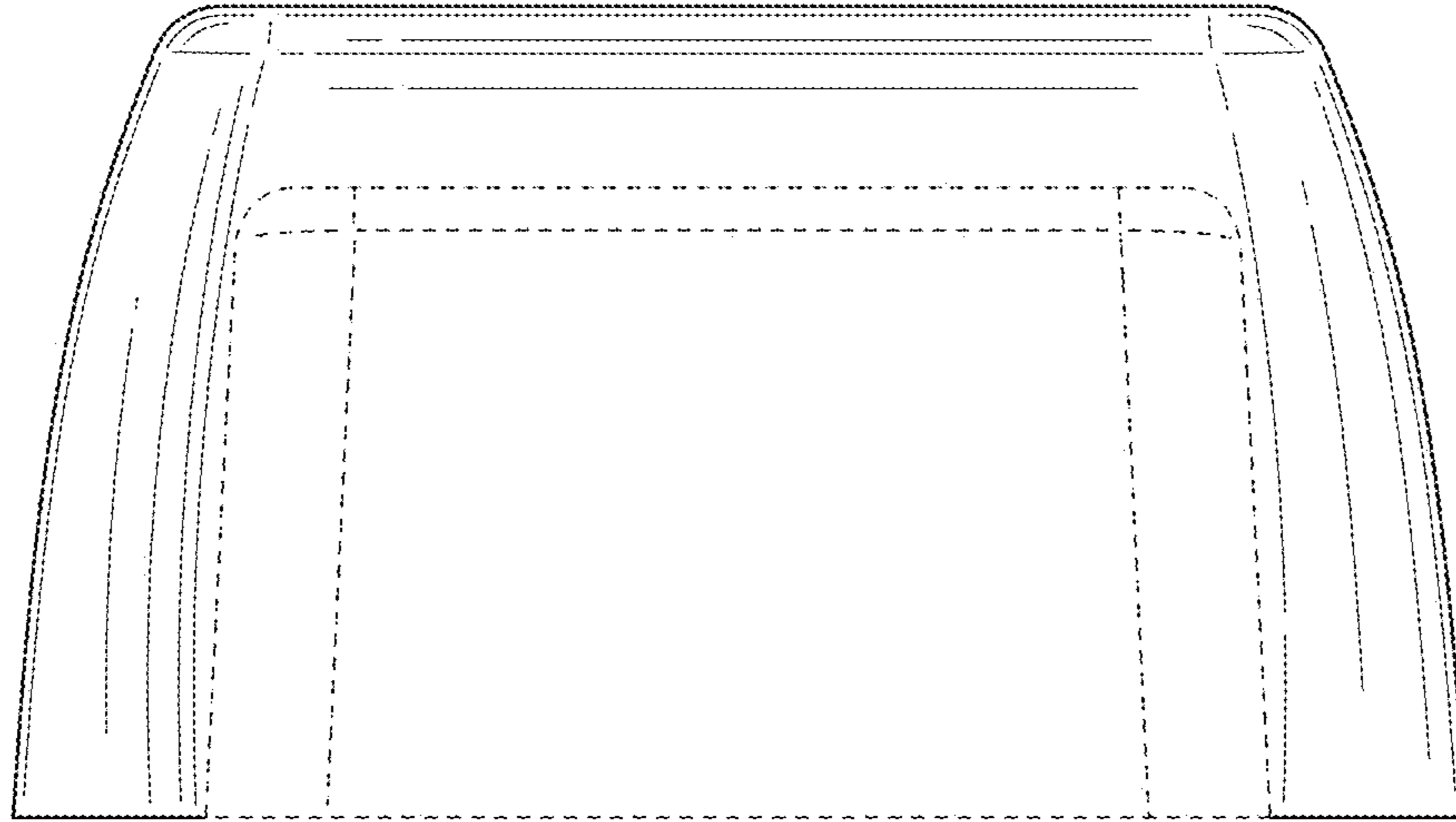


FIG. 13

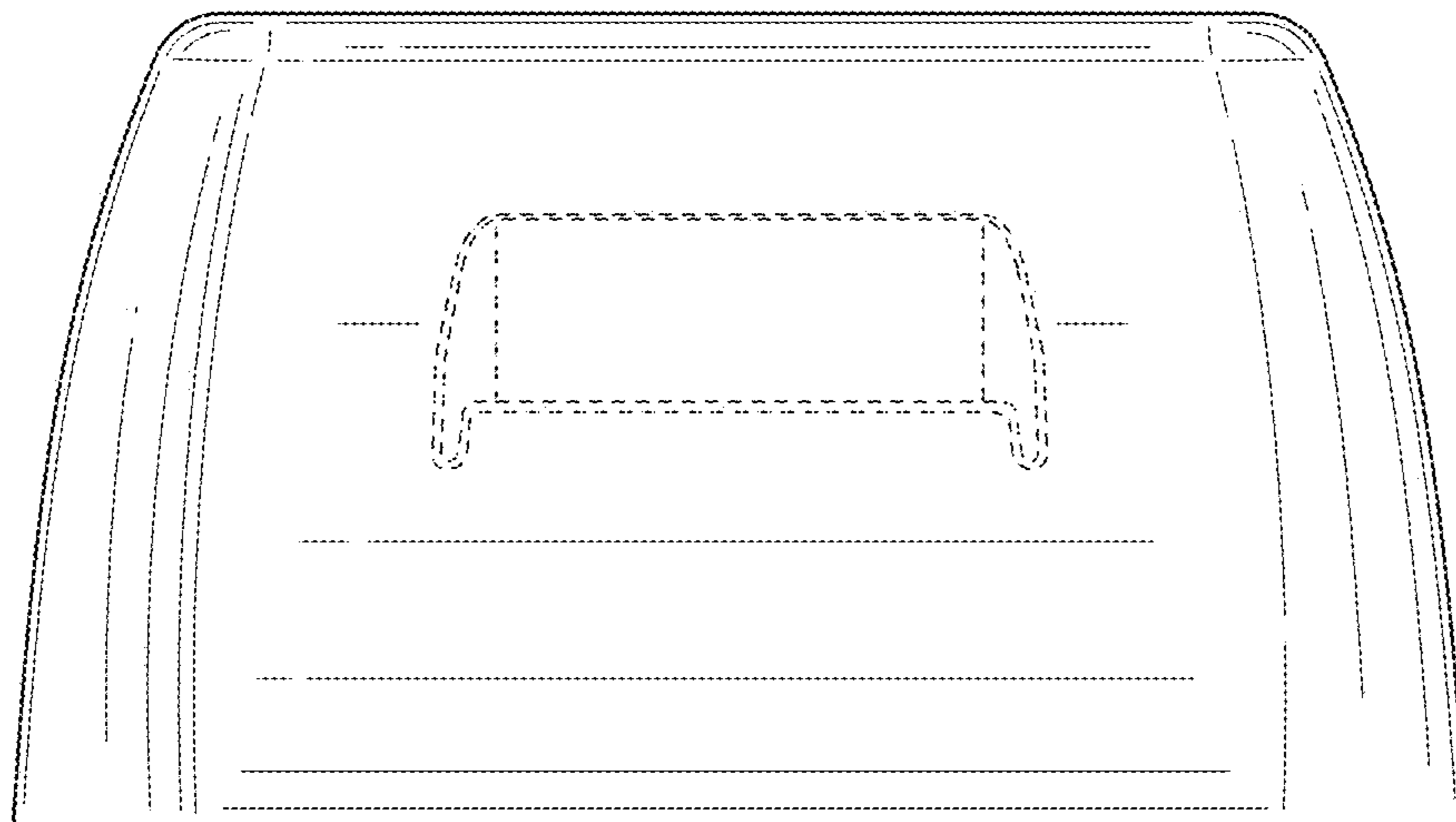


FIG. 14

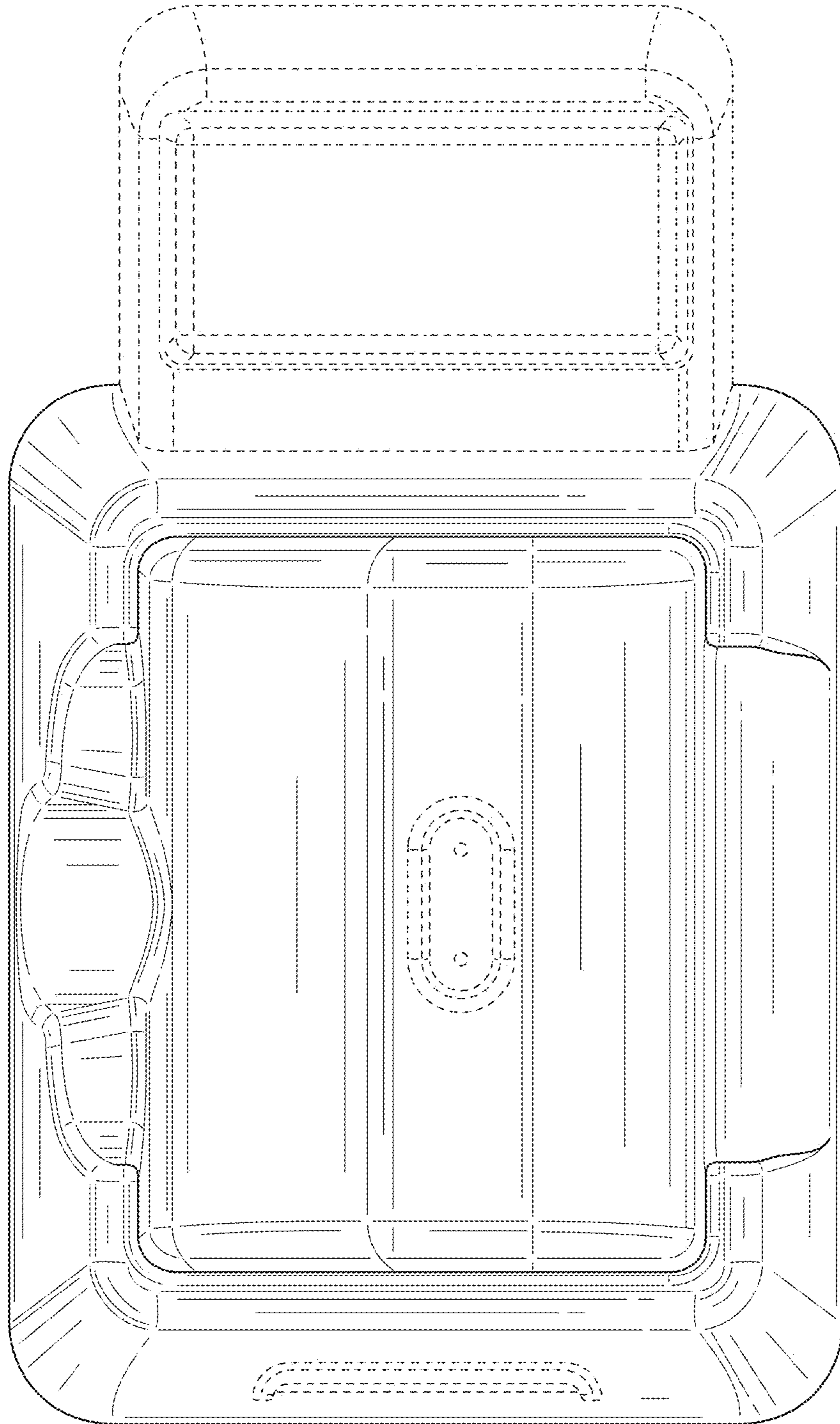


FIG. 15

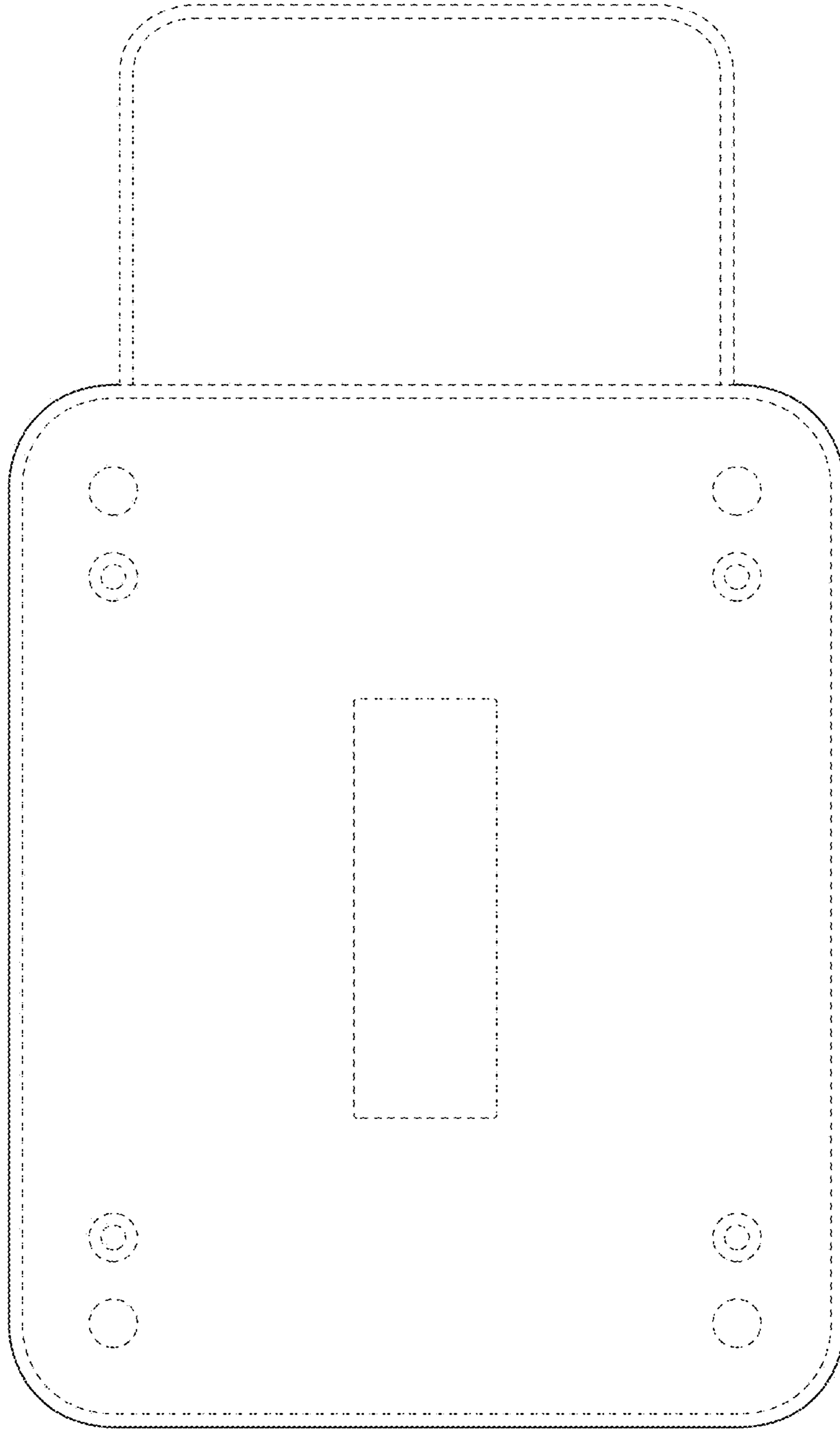


FIG. 16

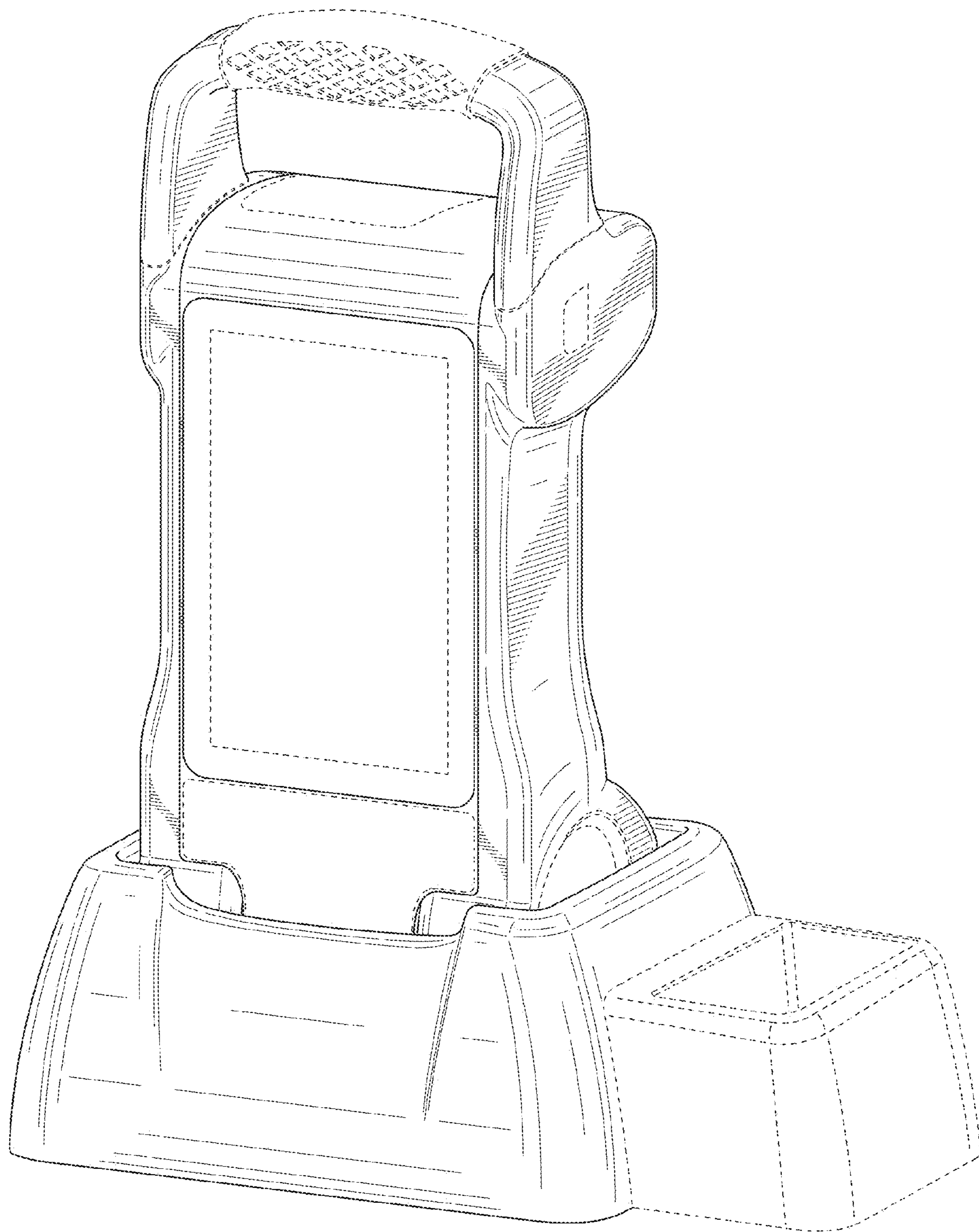


FIG. 17

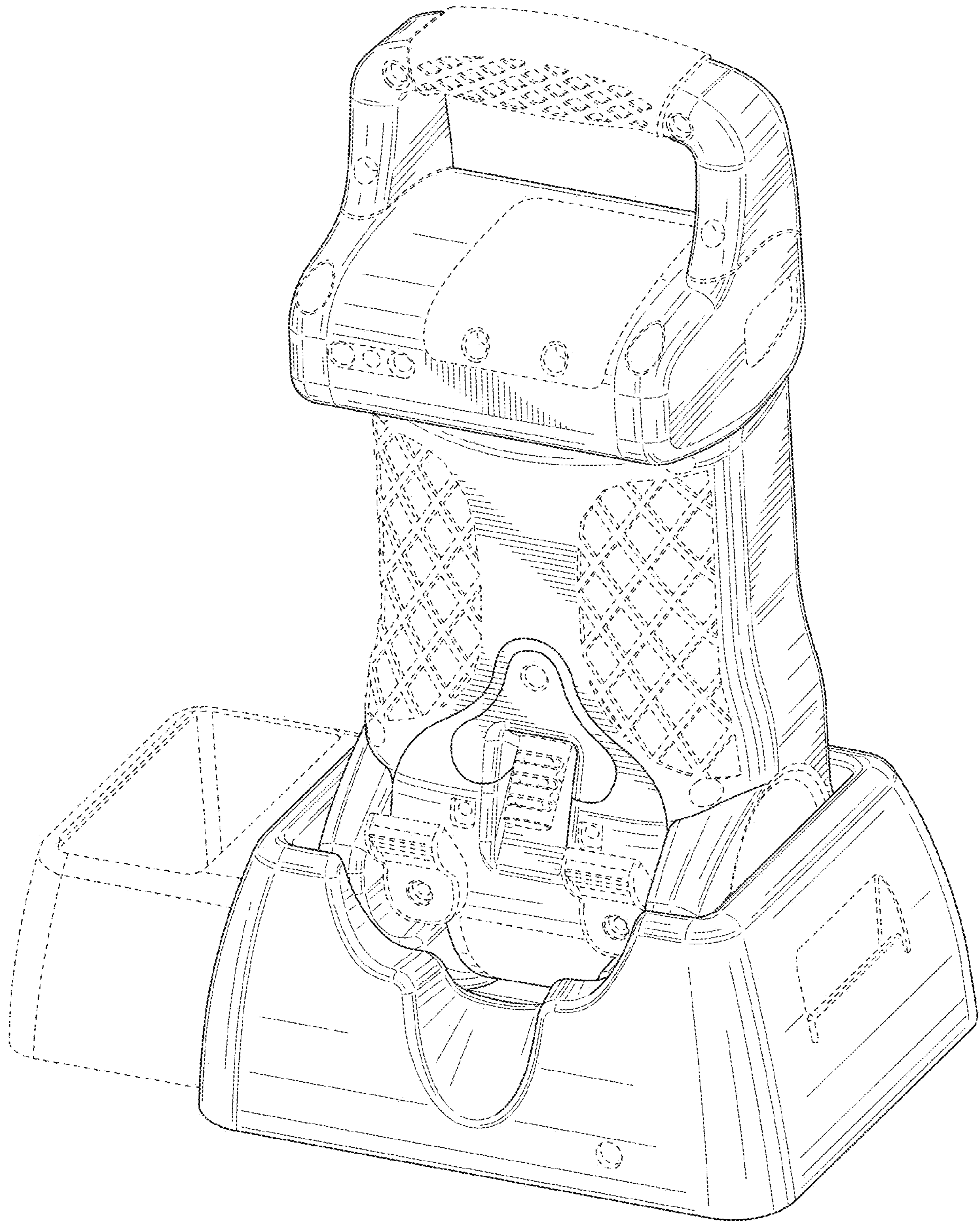


FIG. 18