



US00D950493S

(12) **United States Design Patent** (10) **Patent No.:** **US D950,493 S**
Wada (45) **Date of Patent:** **** May 3, 2022**

(54) **AUTOMOTIVE CHARGING CONNECTOR CAP**

(71) Applicant: **SUMITOMO WIRING SYSTEMS, LTD**, Yokkaichi (JP)

(72) Inventor: **Yuki Wada**, Yokkaichi (JP)

(73) Assignee: **SUMITOMO WIRING SYSTEMS, LTD.**, Mie-Ken (JP)

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

(21) Appl. No.: **29/715,580**

(22) Filed: **Dec. 3, 2019**

(30) **Foreign Application Priority Data**

Jun. 5, 2019 (JP) 2019-12338

(51) **LOC (13) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/120**

(58) **Field of Classification Search**
USPC D8/395; D13/102–106, 110, 119–121,
D13/156, 184, 199; D12/197
CPC H01R 11/24; H01R 11/281; H01R 11/282;
H01R 11/286
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D227,989 S * 7/1973 Gelsel D13/156
D602,433 S * 10/2009 Katou D13/120
D629,366 S * 12/2010 Ericson D13/156
D765,606 S * 9/2016 Hack D13/156
D864,067 S * 10/2019 Kito D12/197
D864,825 S * 10/2019 Kito D12/197
D864,826 S * 10/2019 Kito D12/197

D876,303 S * 2/2020 Kito D12/197
D876,304 S * 2/2020 Kito D12/197
2017/0313199 A1* 11/2017 Djrbashian B60L 53/16
2019/0267741 A1* 8/2019 Sawada B60R 16/04
2019/0381905 A1* 12/2019 Winkler B60L 58/12

FOREIGN PATENT DOCUMENTS

JP D1613043 S 9/2018
JP D1613044 S 9/2018
JP D1613045 S 9/2018
JP D1613502 S 9/2018

* cited by examiner

Primary Examiner — Jennifer O King

(74) *Attorney, Agent, or Firm* — Grogan, Tuccillo & Vanderleeden LLP

(57) **CLAIM**

The ornamental design for an automotive charging connector cap, as shown and described.

DESCRIPTION

FIG. 1 is a front, top and right side perspective view of an automotive charging connector cap showing my new design; FIG. 2 is a front view thereof; FIG. 3 is a top plan thereof; FIG. 4 is a bottom plan thereof; FIG. 5 is a right side thereof; FIG. 6 is a left side view thereof; FIG. 7 is an enlarged cross-sectional view taken along line 7-7 in FIG. 2; FIG. 8 is an enlarged bottom view showing the state in which a strap is removed; FIG. 9 is an enlarged left side view showing the state in which a strap is removed; and, FIG. 10 is an exploded perspective view thereof. The broken lines illustrate portions of the automotive charging connector cap that form no part of the claimed design.

1 Claim, 8 Drawing Sheets

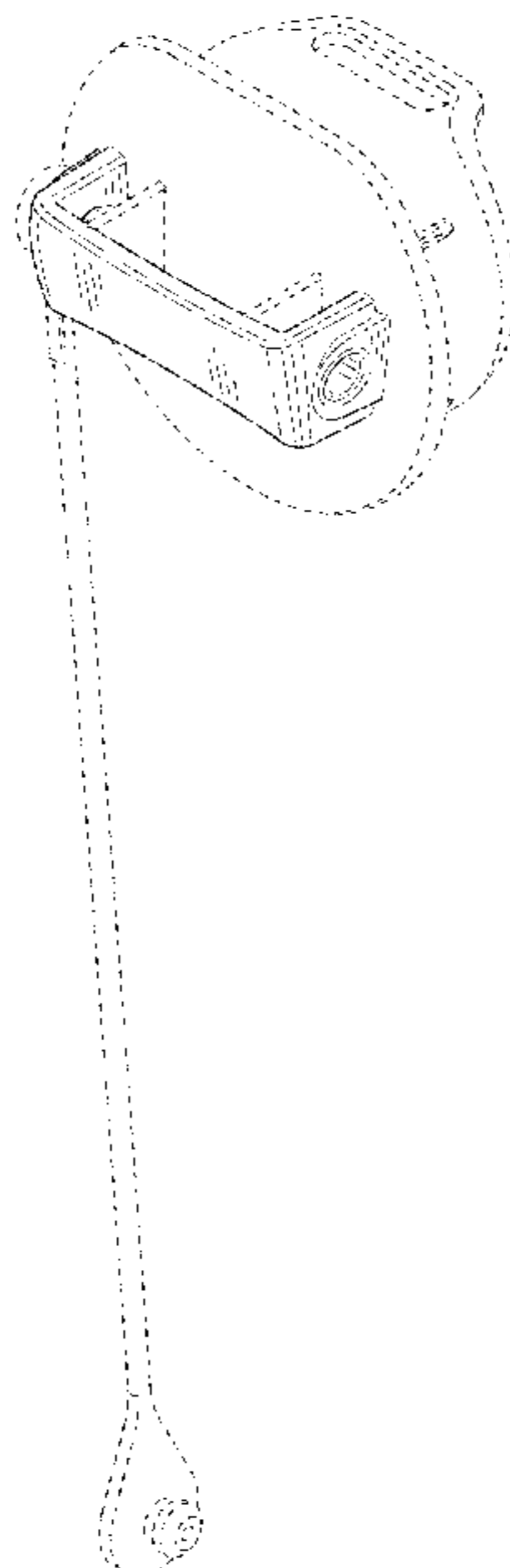


FIG. 1

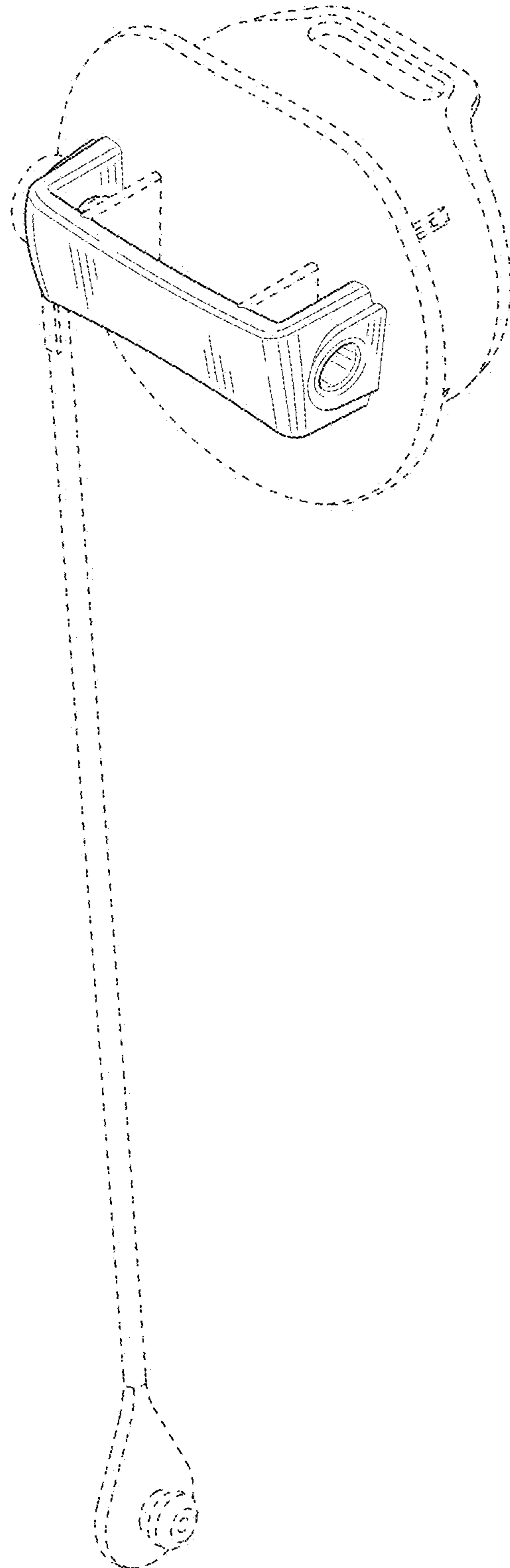


FIG. 2

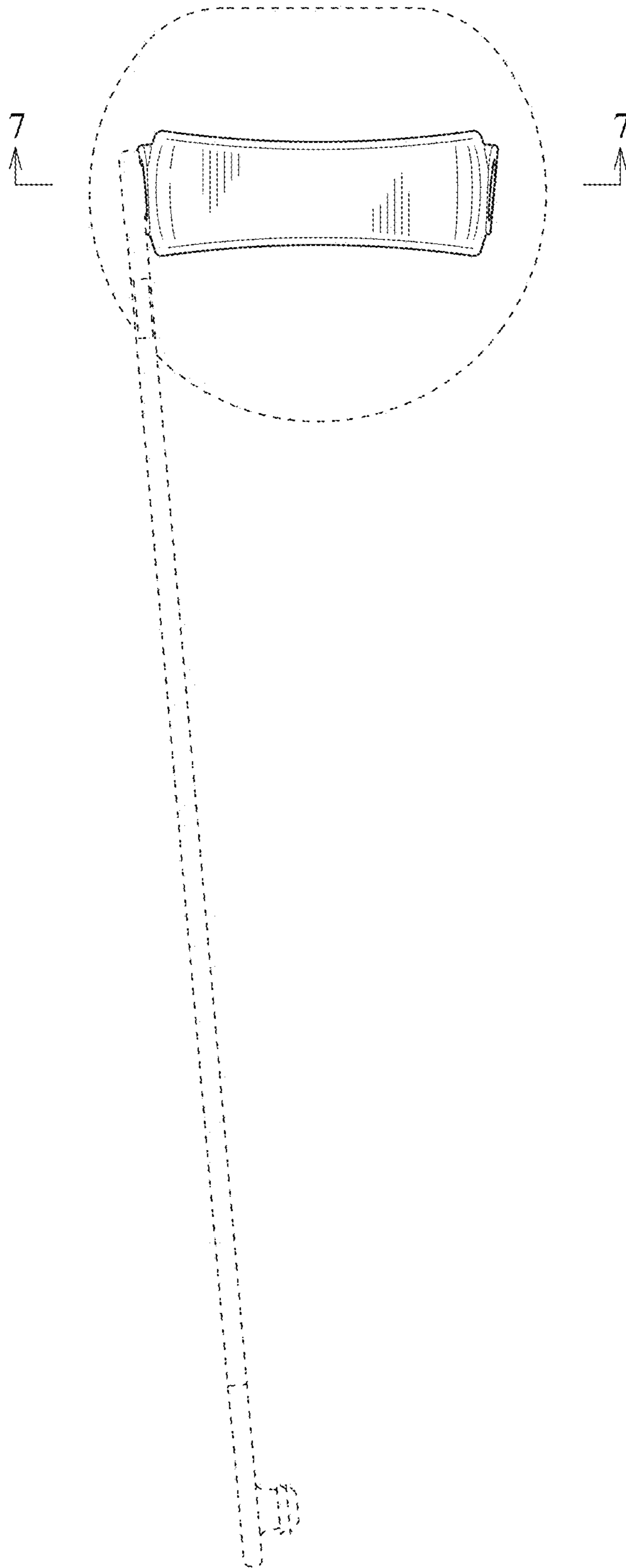


FIG. 3

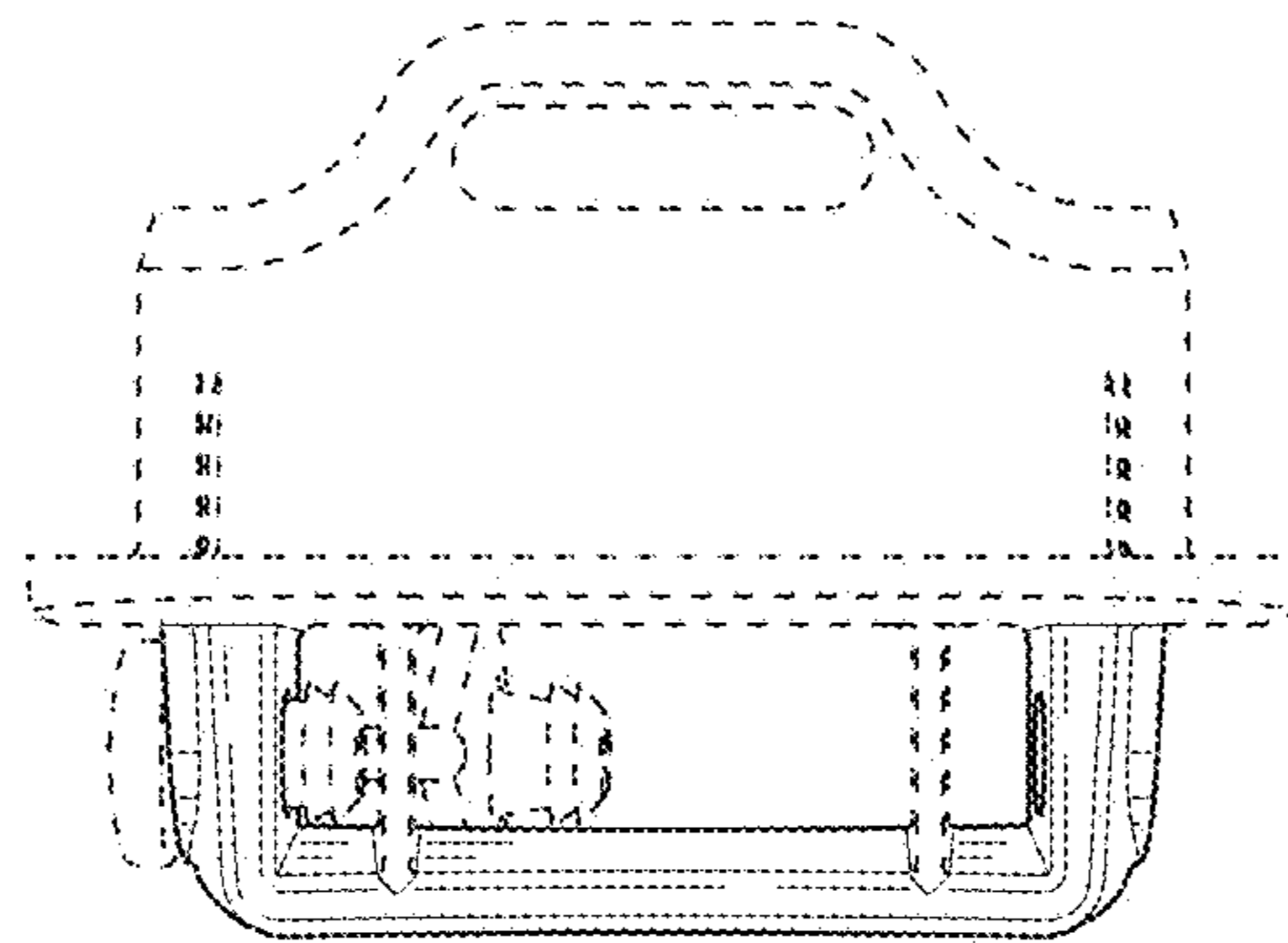


FIG. 4

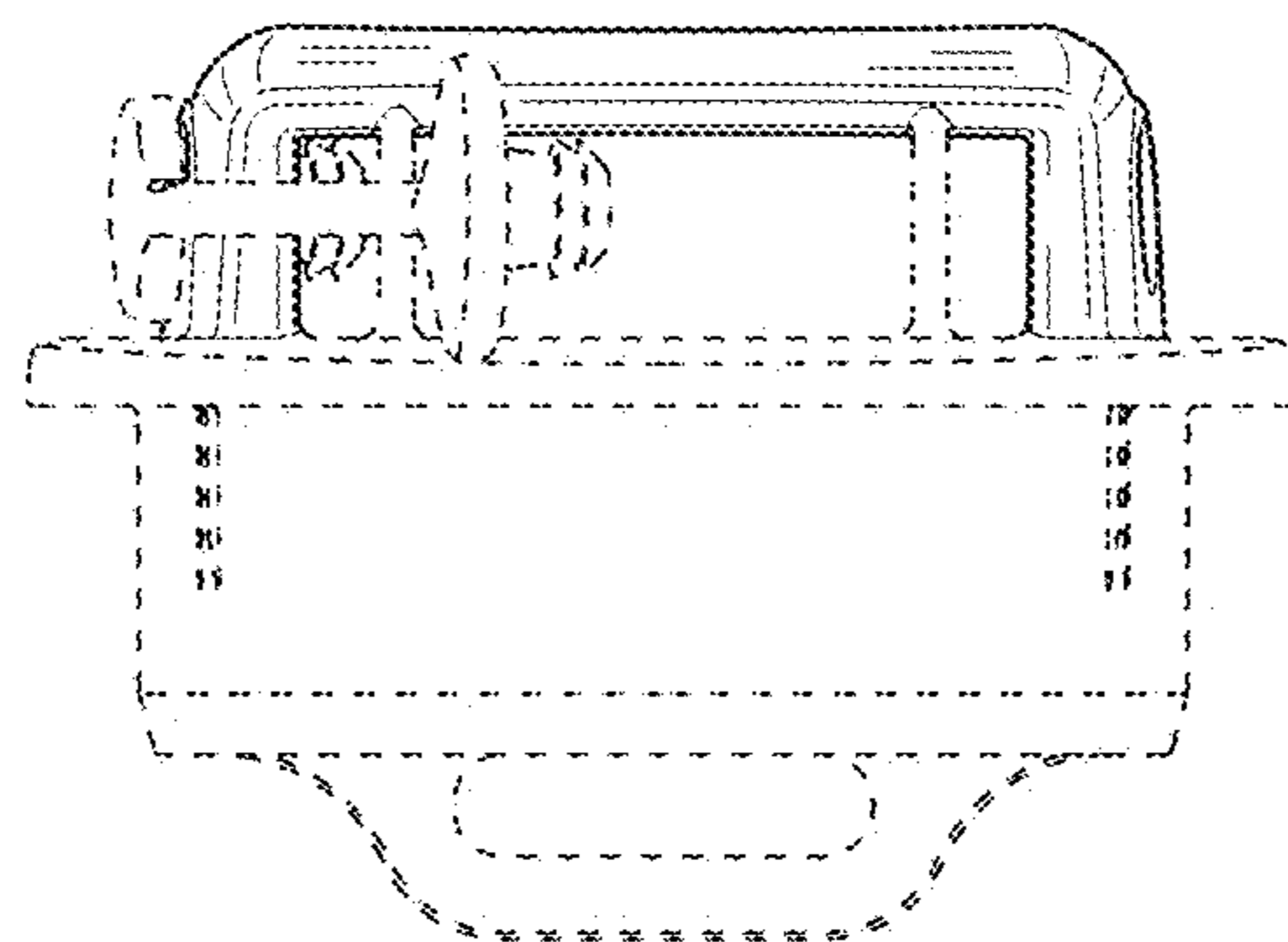


FIG. 5

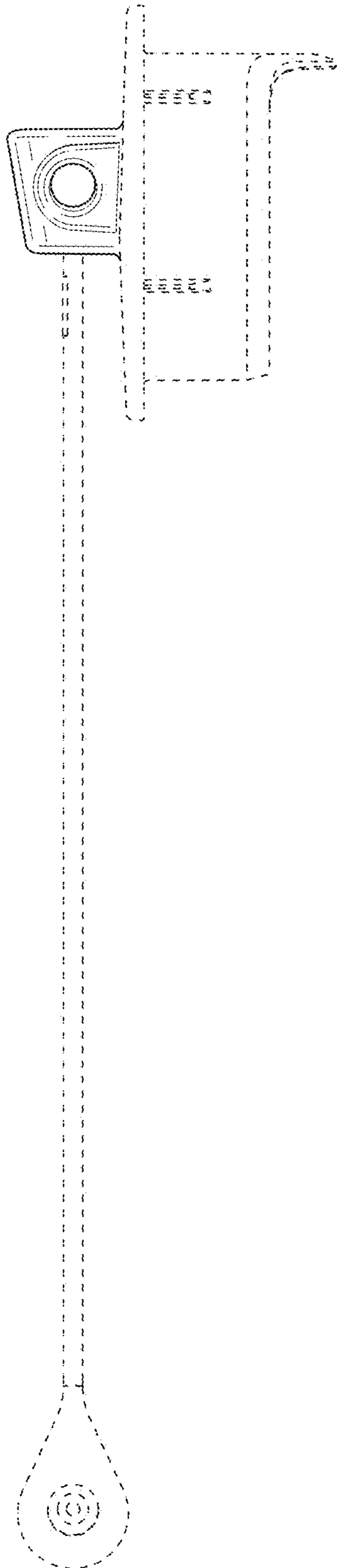


FIG. 6

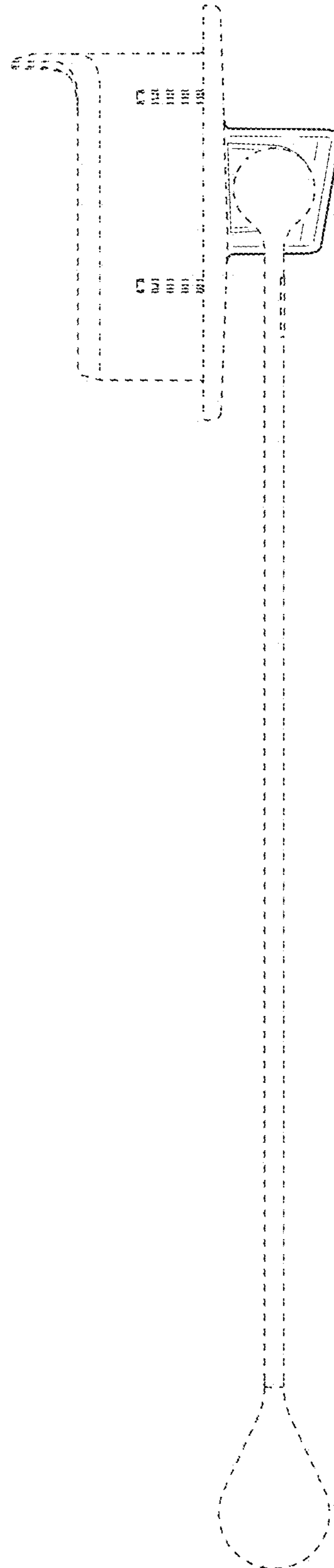


FIG. 7

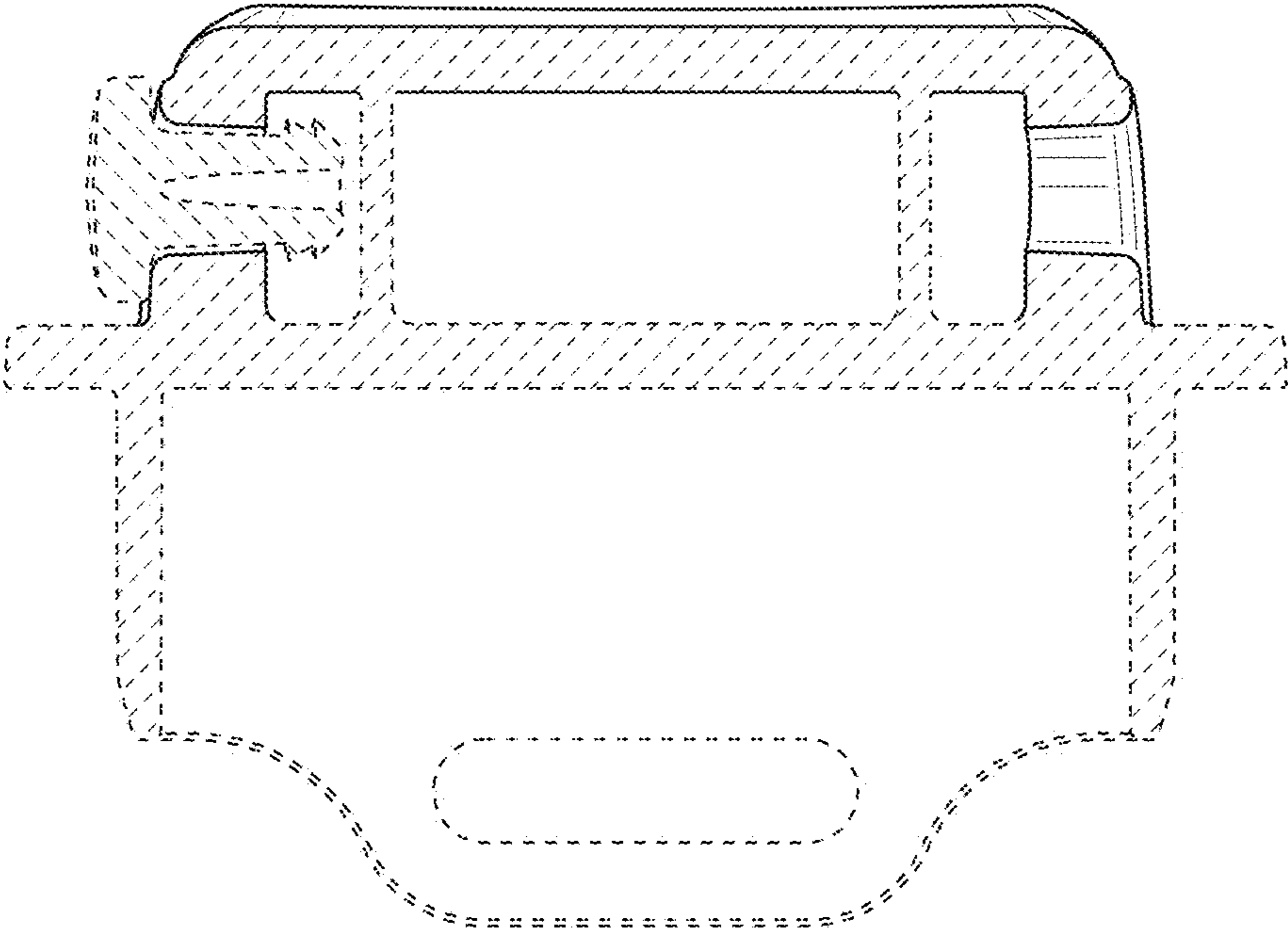


FIG. 8

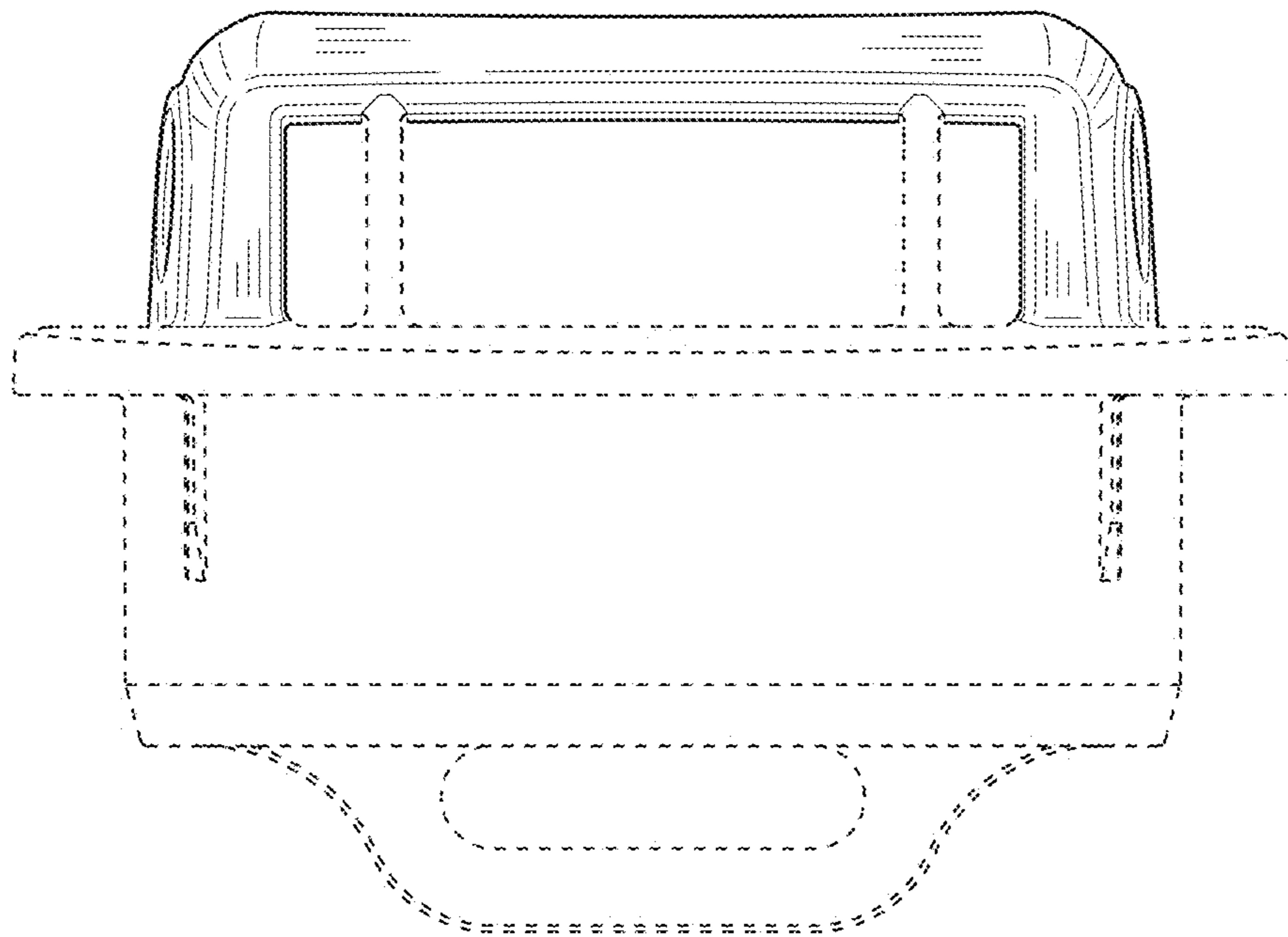


FIG. 9

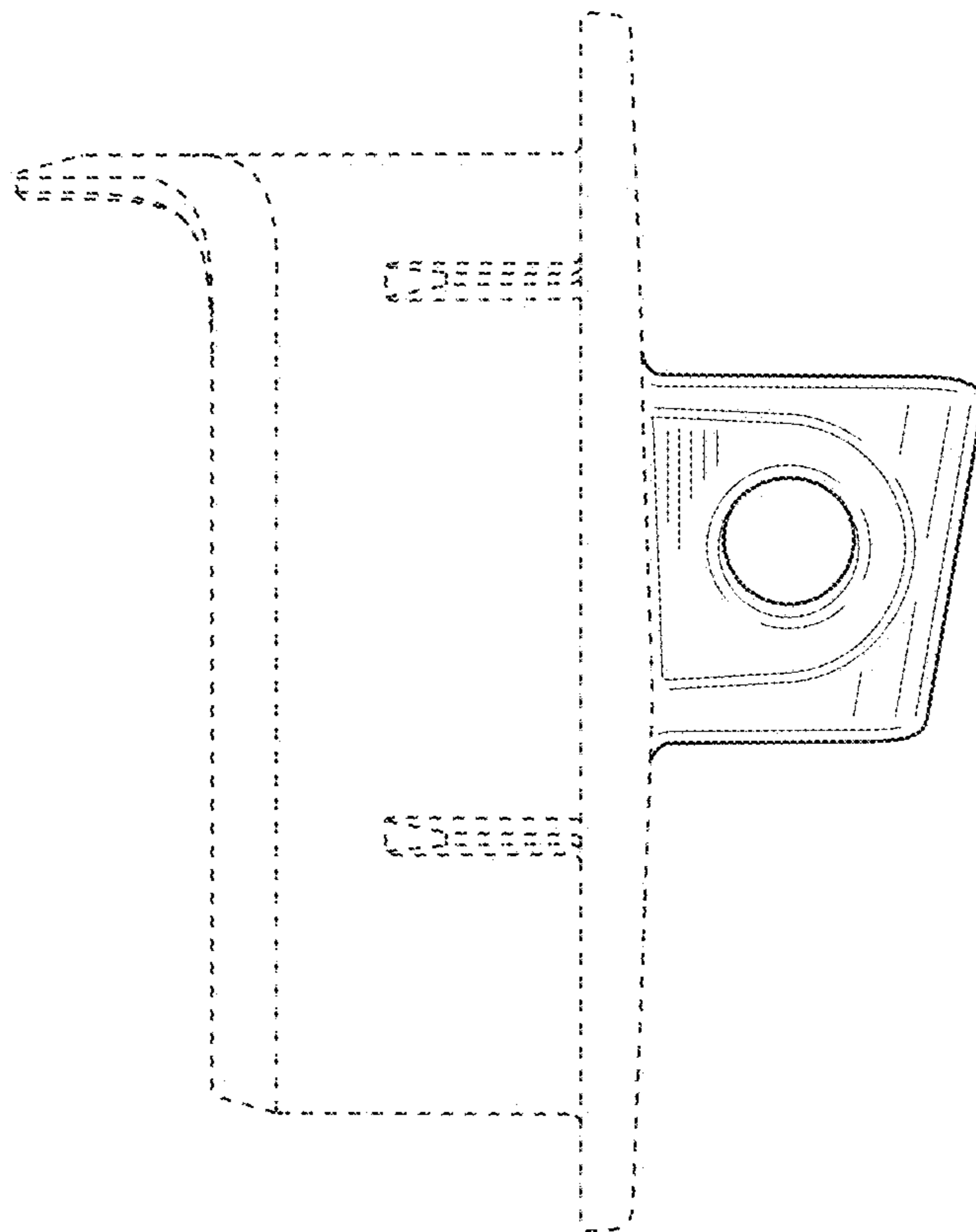


FIG. 10

