



US00D789766S

(12) **United States Design Patent** (10) **Patent No.:** **US D789,766 S**
Todd, Jr. et al. (45) **Date of Patent:** **** Jun. 20, 2017**

- (54) **HINGE**
- (71) Applicant: **Southco, Inc.**, Concordville, PA (US)
- (72) Inventors: **John Joseph Todd, Jr.**, Springfield, PA (US); **James Joseph Ford**, West Chester, PA (US); **Todd Michael Schwanger**, Exton, PA (US)
- (73) Assignee: **Southco, Inc.**, Concordville, PA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/542,580**
- (22) Filed: **Oct. 15, 2015**

- D401,134 S 11/1998 Finkelstein
 - D436,515 S 1/2001 Sonntag
 - D462,969 S 9/2002 Scharer
- (Continued)

FOREIGN PATENT DOCUMENTS

- JP D1318899 1/2008
 - JP D1392914 7/2010
- (Continued)

OTHER PUBLICATIONS

Search Report, with an English translation, for Taiwan Design Application No. 102307048 dated Sep. 16, 2014.
(Continued)

Primary Examiner — Cynthia Underwood
(74) *Attorney, Agent, or Firm* — RatnerPrestia

Related U.S. Application Data

- (62) Division of application No. 29/453,529, filed on Apr. 30, 2013, now Pat. No. Des. 741,142.
- (51) **LOC (10) Cl.** **08-06**
- (52) **U.S. Cl.**
USPC **D8/323**
- (58) **Field of Classification Search**
USPC D8/323, 328; 16/387
CPC E05D 1/00; E05D 11/06; E05D 5/10;
E05D 3/02; A47K 13/12
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a hinge, as shown and described.

DESCRIPTION

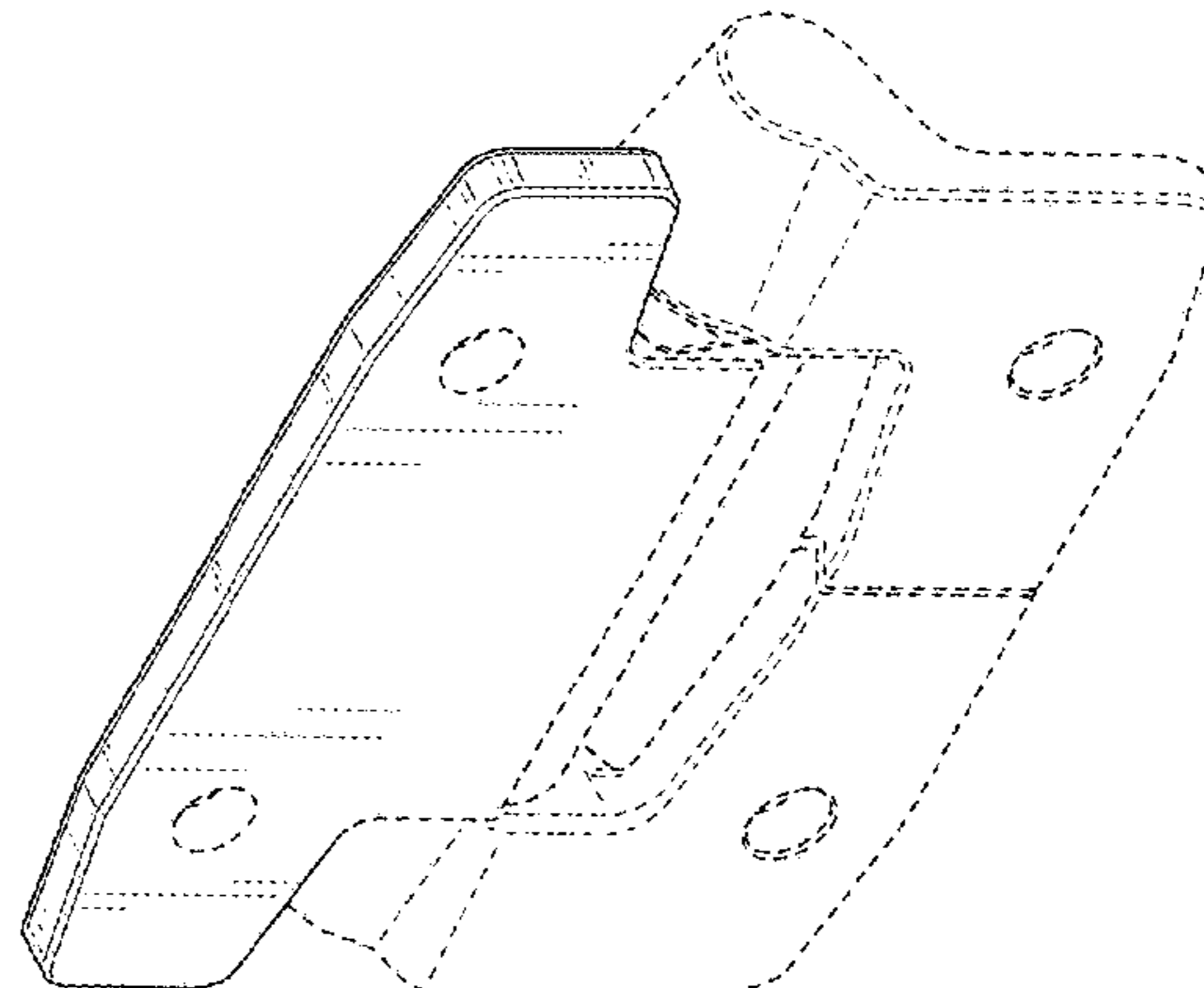
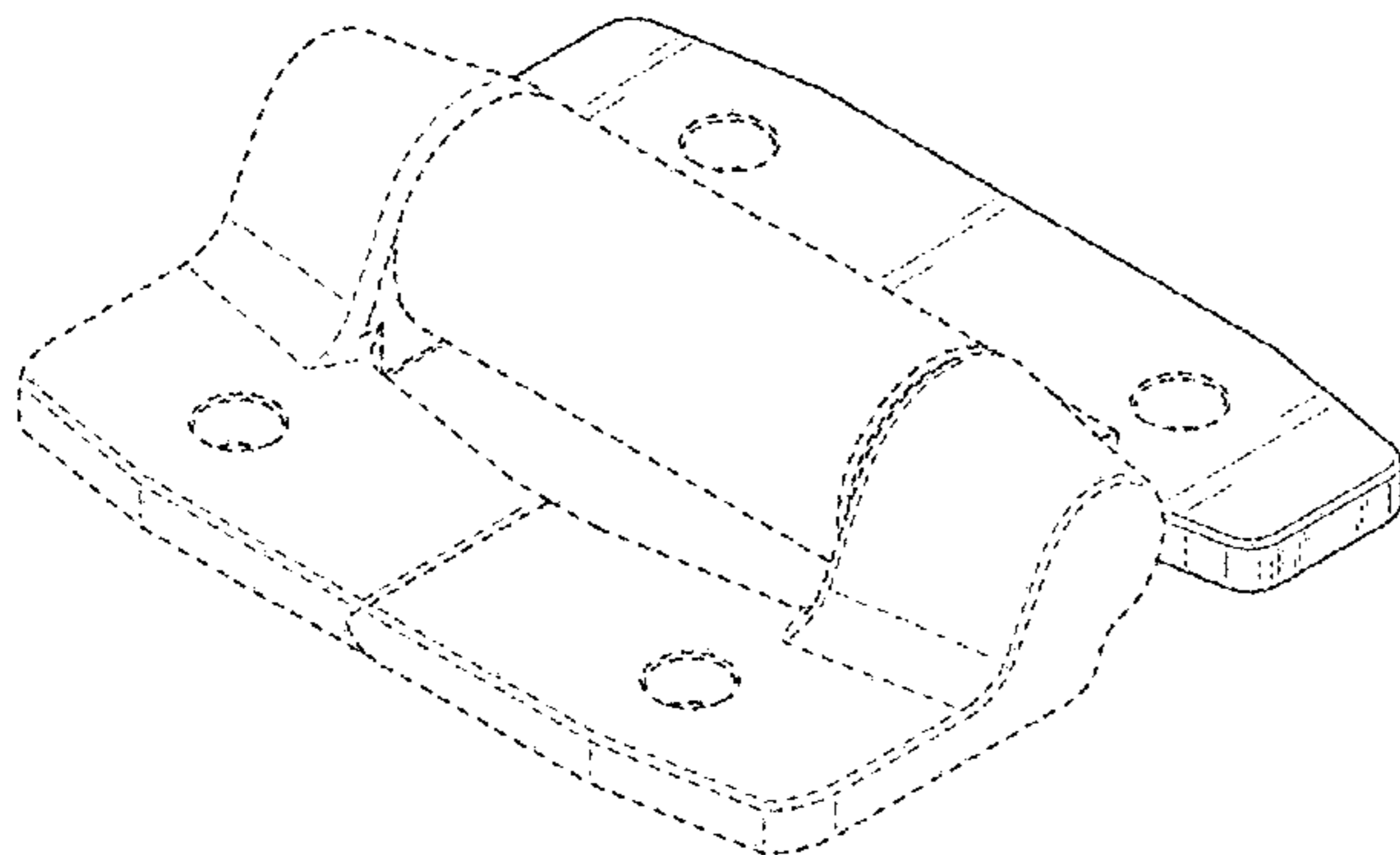
FIG. 1 is a front isometric view taken from above the right front corner of a hinge, wherein select portions of the hinge are shown in broken lines;
FIG. 2 is a rear isometric view taken from above the left rear corner of the hinge of FIG. 1;
FIG. 3 is a rear isometric view taken from below the left rear corner of the hinge of FIG. 1;
FIG. 4 is a top plan view of the hinge of FIG. 1;
FIG. 5 is a bottom plan view of the hinge of FIG. 1;
FIG. 6 is a front elevation view of the hinge of FIG. 1;
FIG. 7 is a rear elevation view of the hinge of FIG. 1; and,
FIG. 8 is an elevation view as viewed from the right side of the hinge of FIG. 1, the left side being a mirror image of the right side.
The broken line showing of the hinge is for the purpose of illustration and forms no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,832,902 A 11/1931 Holbrook
- D139,227 S 10/1944 Greiling
- D183,261 S 7/1958 Mink
- D202,817 S 11/1965 Goda
- 4,630,333 A * 12/1986 Vickers E05D 11/082
16/338
- D376,971 S 12/1996 Schutz
- D385,475 S 10/1997 Bolinas

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D488,708 S 4/2004 Lam
 D489,599 S 5/2004 Lam
 D505,858 S 6/2005 OKeene
 6,915,995 B2 7/2005 Gillespie
 7,028,961 B1 4/2006 Dittmer
 D533,433 S 12/2006 Loggen
 D537,706 S 3/2007 LyHau
 D538,633 S 3/2007 LyHau
 D539,123 S 3/2007 LyHau
 D539,127 S 3/2007 LyHau
 7,198,305 B2 * 4/2007 Vitry B60R 5/04
 292/163
 D543,210 S 5/2007 Stenhouse
 D543,547 S 5/2007 Muday
 D543,548 S 5/2007 Muday
 D558,562 S 1/2008 Ciungan
 D559,087 S 1/2008 Ciungan
 7,320,152 B2 * 1/2008 Lowry E05C 17/64
 16/297
 D565,386 S 4/2008 Bladen
 D569,381 S 5/2008 Sculler
 D577,730 S 9/2008 Rutten
 D621,683 S 8/2010 Mullenix

D622,576 S 8/2010 Farkas
 D623,654 S 9/2010 Hau
 D635,433 S 4/2011 Le
 D644,648 S 9/2011 Anderson
 D649,008 S 11/2011 Caffin
 D649,009 S 11/2011 Caffin
 D673,024 S * 12/2012 Caffin D8/323
 D719,009 S * 12/2014 Russo D8/323
 D747,949 S * 1/2016 Lindo D8/323
 D748,450 S * 2/2016 Ganter D8/323
 2004/0262474 A1 12/2004 Boks
 2008/0029669 A1 2/2008 Olah

FOREIGN PATENT DOCUMENTS

TW D103733 3/2005
 TW D114514 12/2006

OTHER PUBLICATIONS

Southco Handbook 59, "Engineered Access Solutions," pp. 416-469, 2009.
 Entire patent prosecution history of U.S. Appl. No. 29/453,529, filed Apr. 30, 2013, entitled, "Hinge."

* cited by examiner

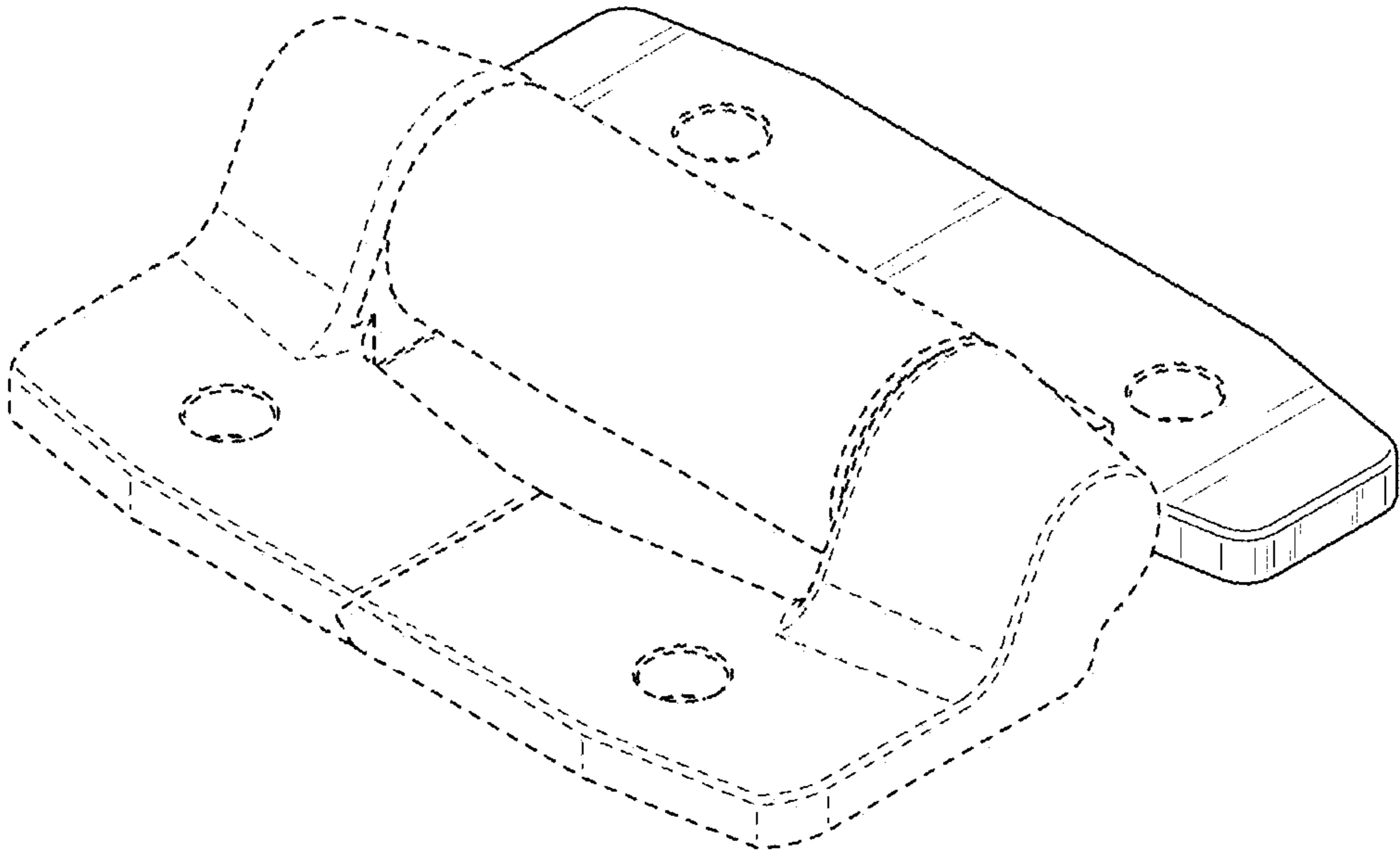


FIG. 1

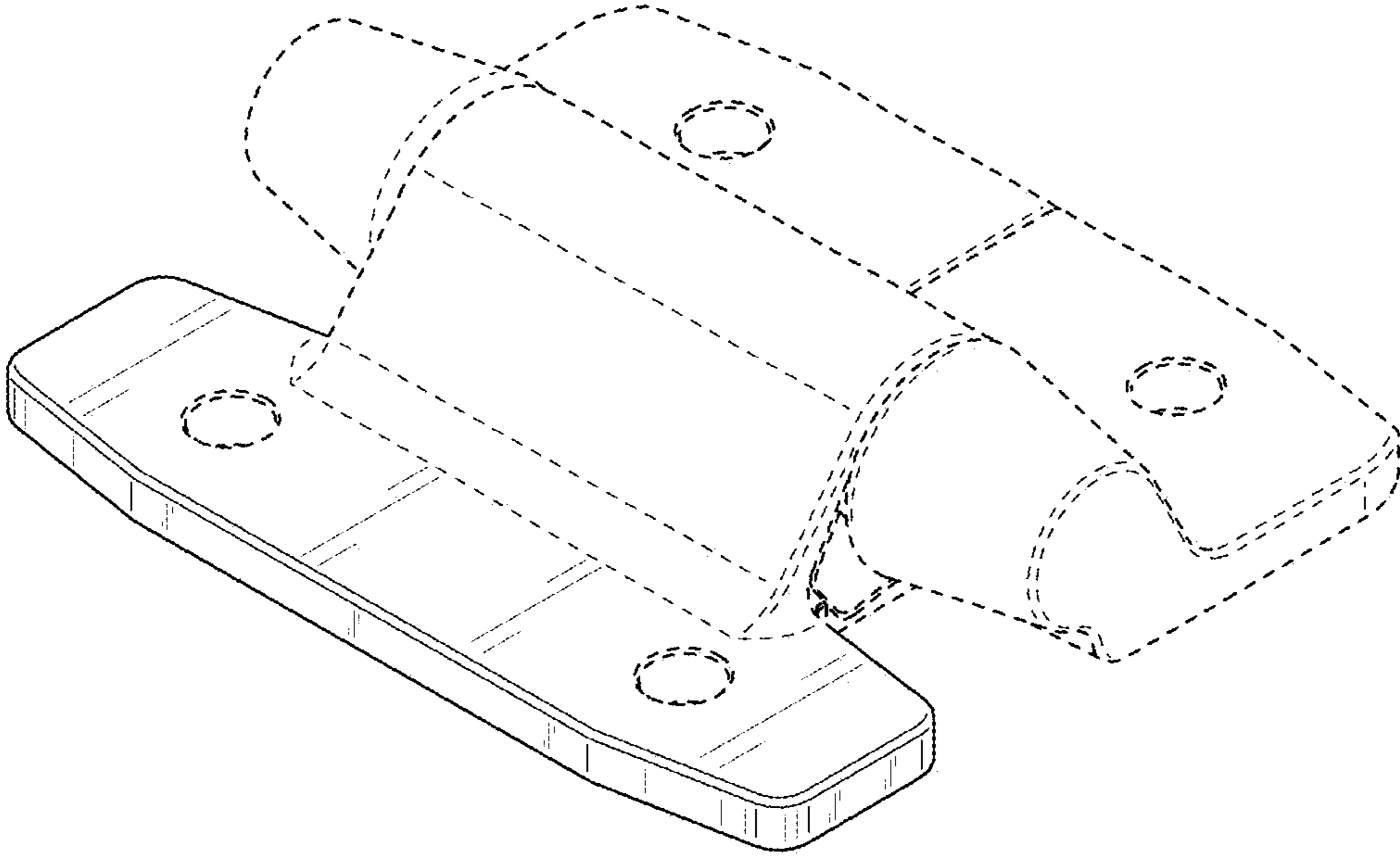


FIG. 2

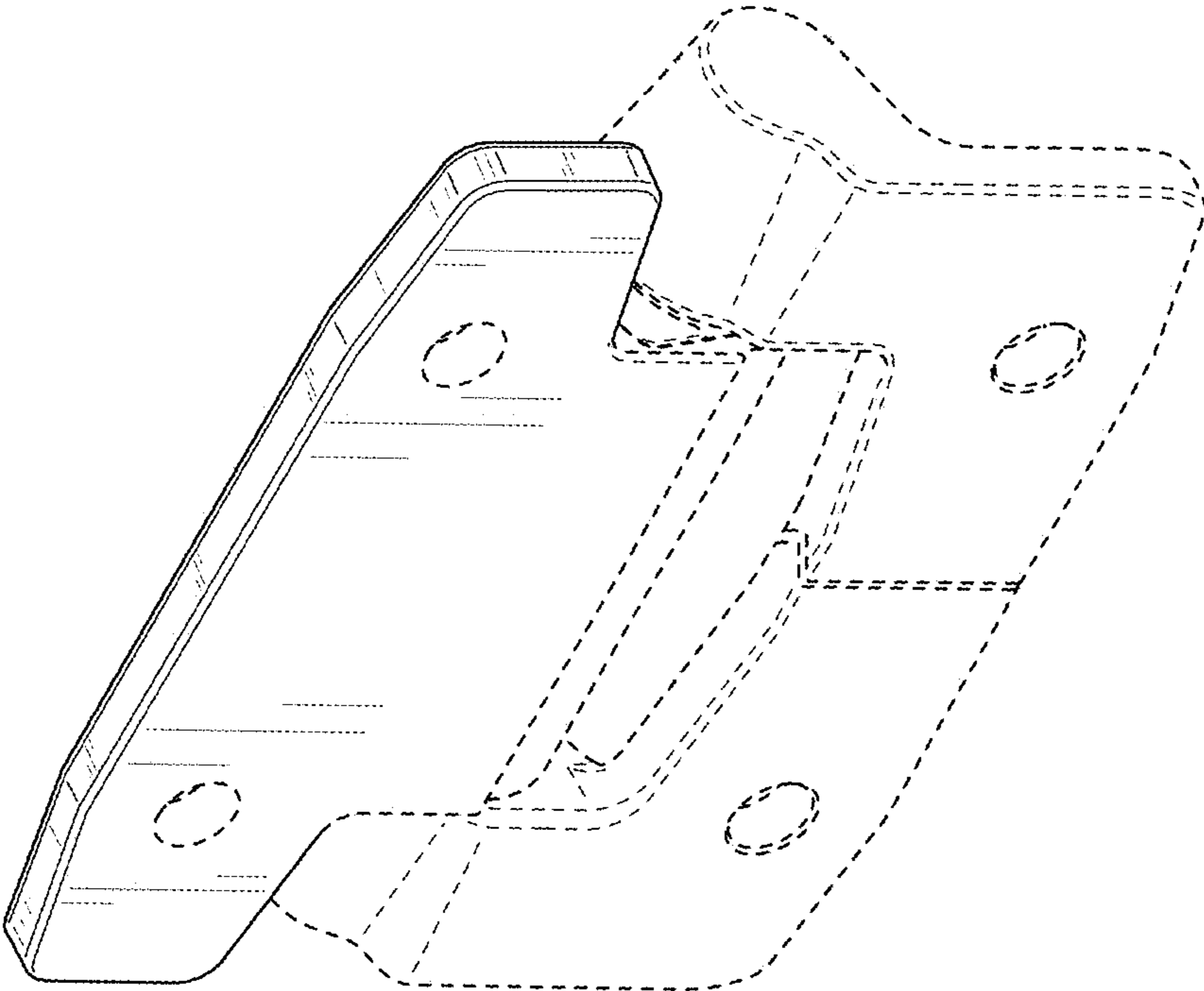


FIG. 3

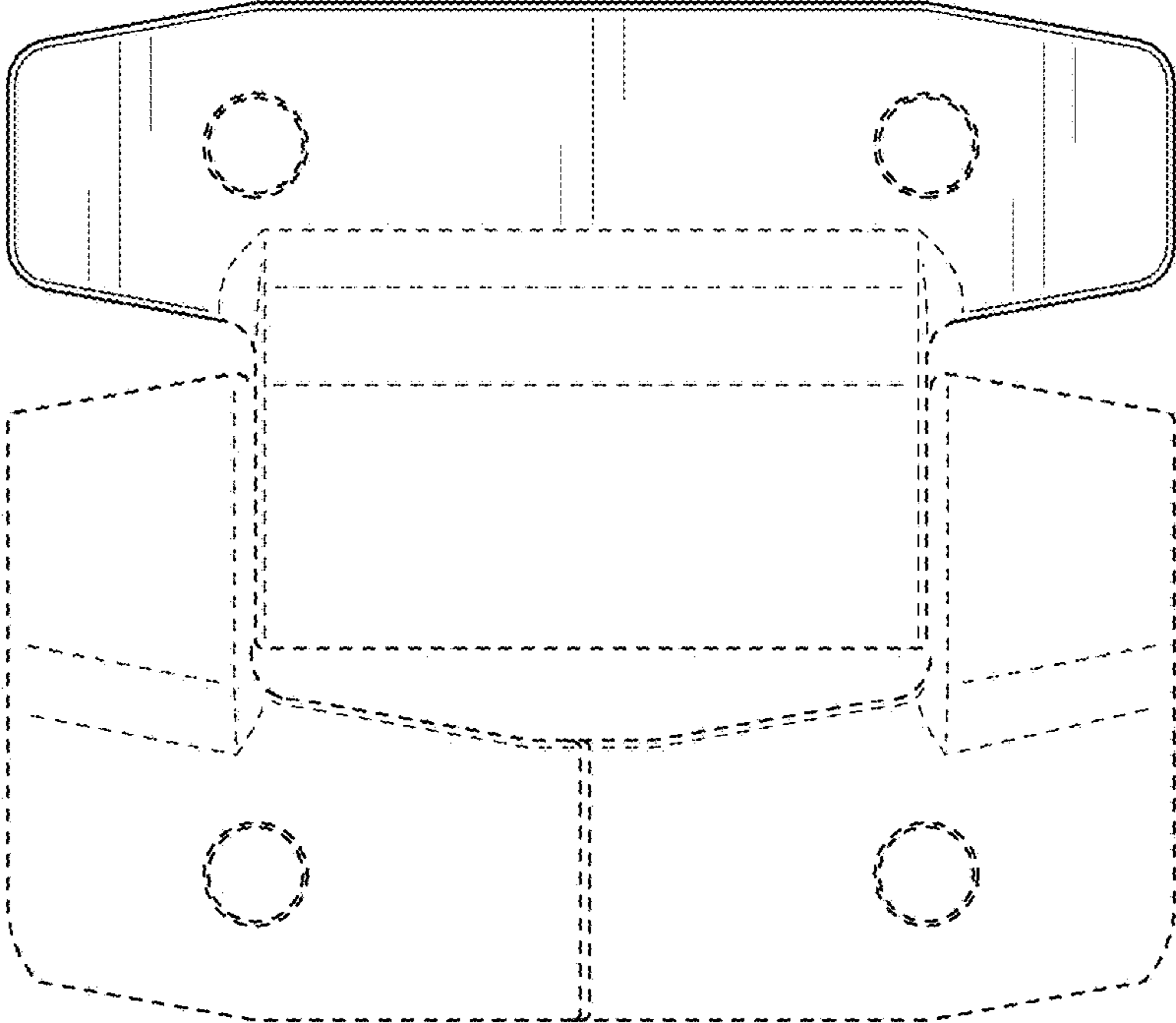


FIG. 4

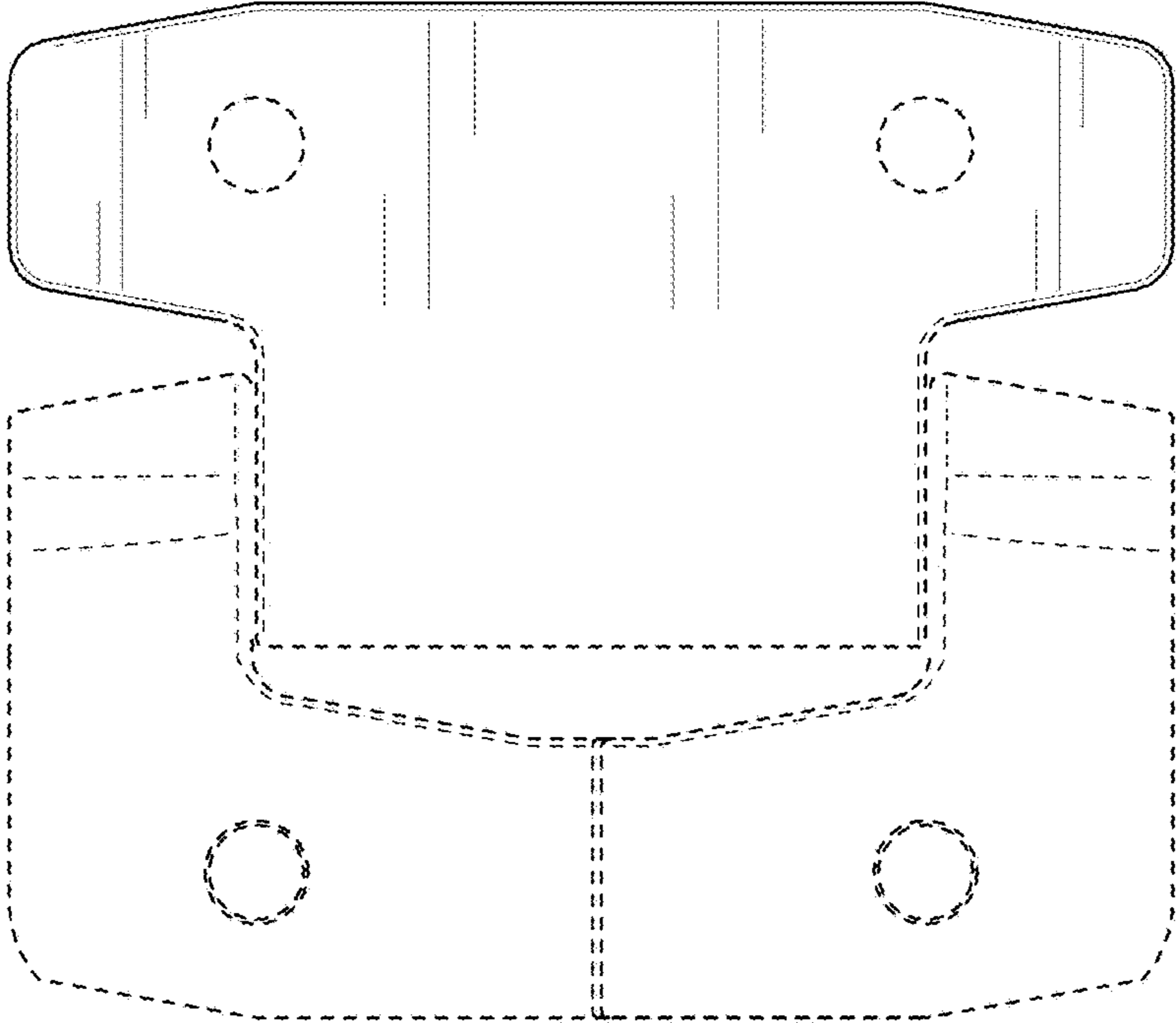


FIG. 5

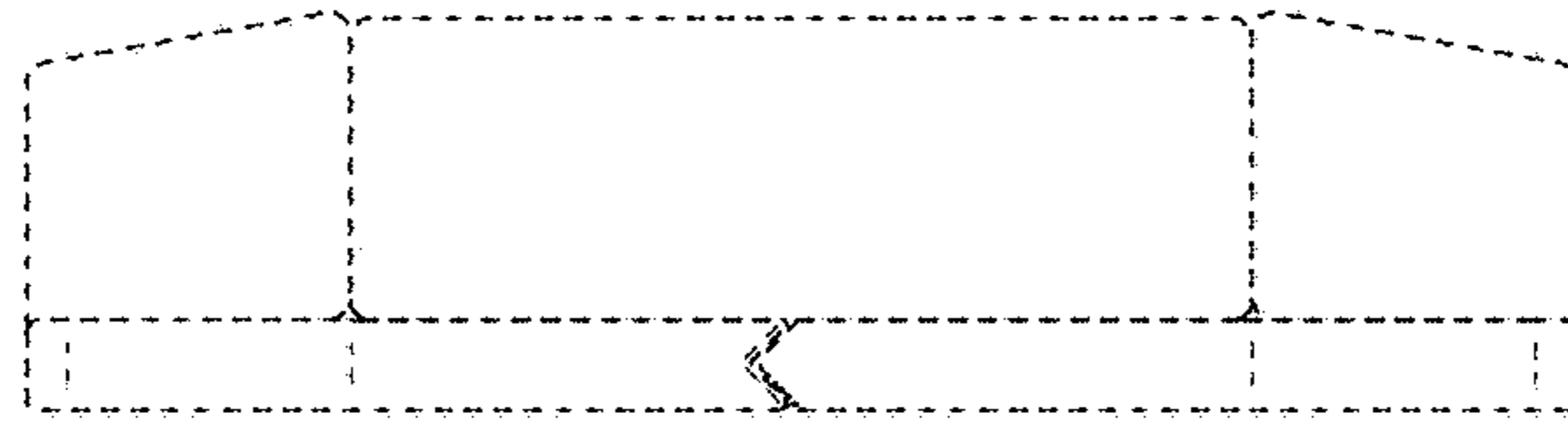


FIG. 6

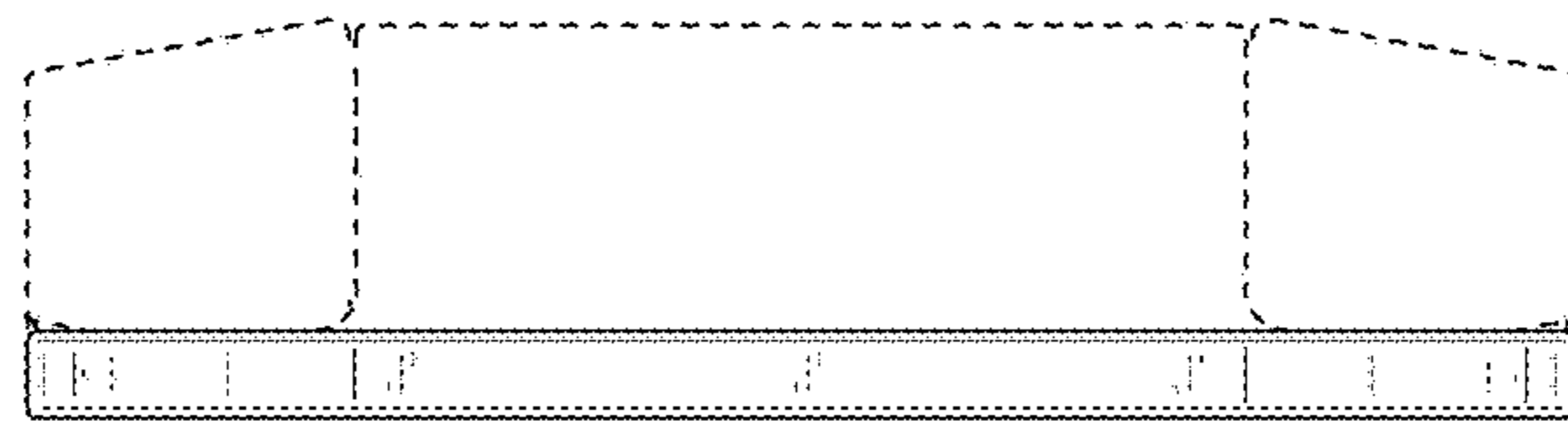


FIG. 7

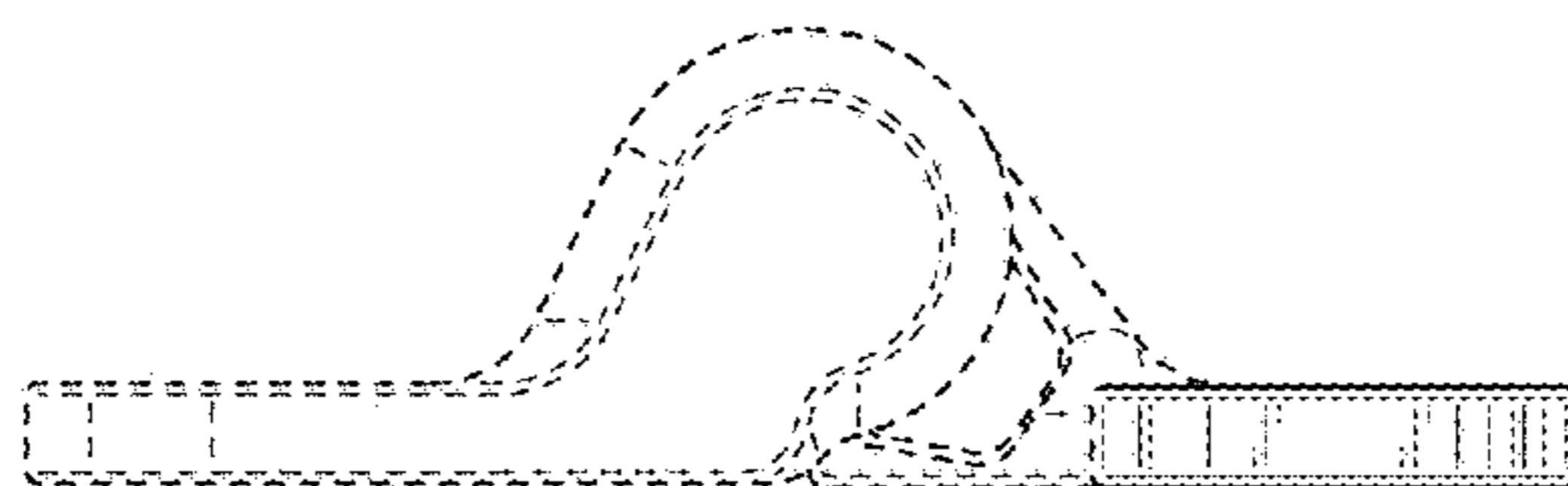


FIG. 8