



US00D933330S

(12) **United States Design Patent** (10) **Patent No.:** **US D933,330 S**
Brook et al. (45) **Date of Patent:** **** Oct. 12, 2021**

(54) **STAIRLIFT RAIL**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Bruno Independent Living Aids, Inc.**,
Oconomowoc, WI (US)

CN 10878799 A 11/2018
GB 2367807 A 4/2002

(Continued)

(72) Inventors: **Allen Edward Brook**, Waterford, WI
(US); **Terrence E. O'Brien**,
Oconomowoc, WI (US); **Roy E.**
McDaniels, Jr., Watertown, WI (US);
Scott Martin Hall, Sussex, WI (US);
Matthew R. Peterson, Brookfield, WI
(US)

OTHER PUBLICATIONS

English machine translation of KR2001-0055394.
English machine translation of CN 108787799.

(73) Assignee: **BRUNO INDEPENDENT LIVING**
AIDS, INC., Oconomowoc, WI (US)

Primary Examiner — Cynthia Ramirez

(74) *Attorney, Agent, or Firm* — Klintworth & Rozenblat
IP LLP

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

(57) **CLAIM**

(21) Appl. No.: **29/693,180**

The ornamental design for a stairlift rail, as shown and
described.

(22) Filed: **May 31, 2019**

DESCRIPTION

(51) **LOC (13) Cl.** **12-05**

(52) **U.S. Cl.**
USPC **D34/35**

(58) **Field of Classification Search**
USPC D12/50; D34/35; D25/119, 122, 123,
D25/124

CPC B65G 47/52; B65G 47/66; B66B 9/0807;
B66B 9/0846; B66C 1/00; B66C 6/00;
B66C 7/00; B66C 7/02; B66C 7/04;
B66C 7/08; E04C 2003/0404; E04C
2003/0408; E04C 2003/0426; E04C
2003/0434; E04C 2003/0439

See application file for complete search history.

FIG. 1 is a rear perspective view of a stairlift rail in
accordance with a first embodiment;

FIG. 2 is a front perspective view of the stairlift rail of FIG.
1;

FIG. 3 is a left side elevation view of the stairlift rail of FIG.
1;

FIG. 4 is a rear elevation view of the stairlift rail of FIG. 1;

FIG. 5 is a front elevation view of the stairlift rail of FIG. 1;

FIG. 6 is a top plan view of the stairlift rail of FIG. 1;

FIG. 7 is a bottom plan view of the stairlift rail of FIG. 1;
and,

FIG. 8 is a right side elevation view of the stairlift rail of
FIG. 1.

The broken lines in the drawings show portions of the
stairlift rail, which form no part of the claimed design. The
stairlift rail is shown with a symbolic break in its length. The
appearance of any portion of the article between the sym-
bolic break lines forms no part of the claimed design.

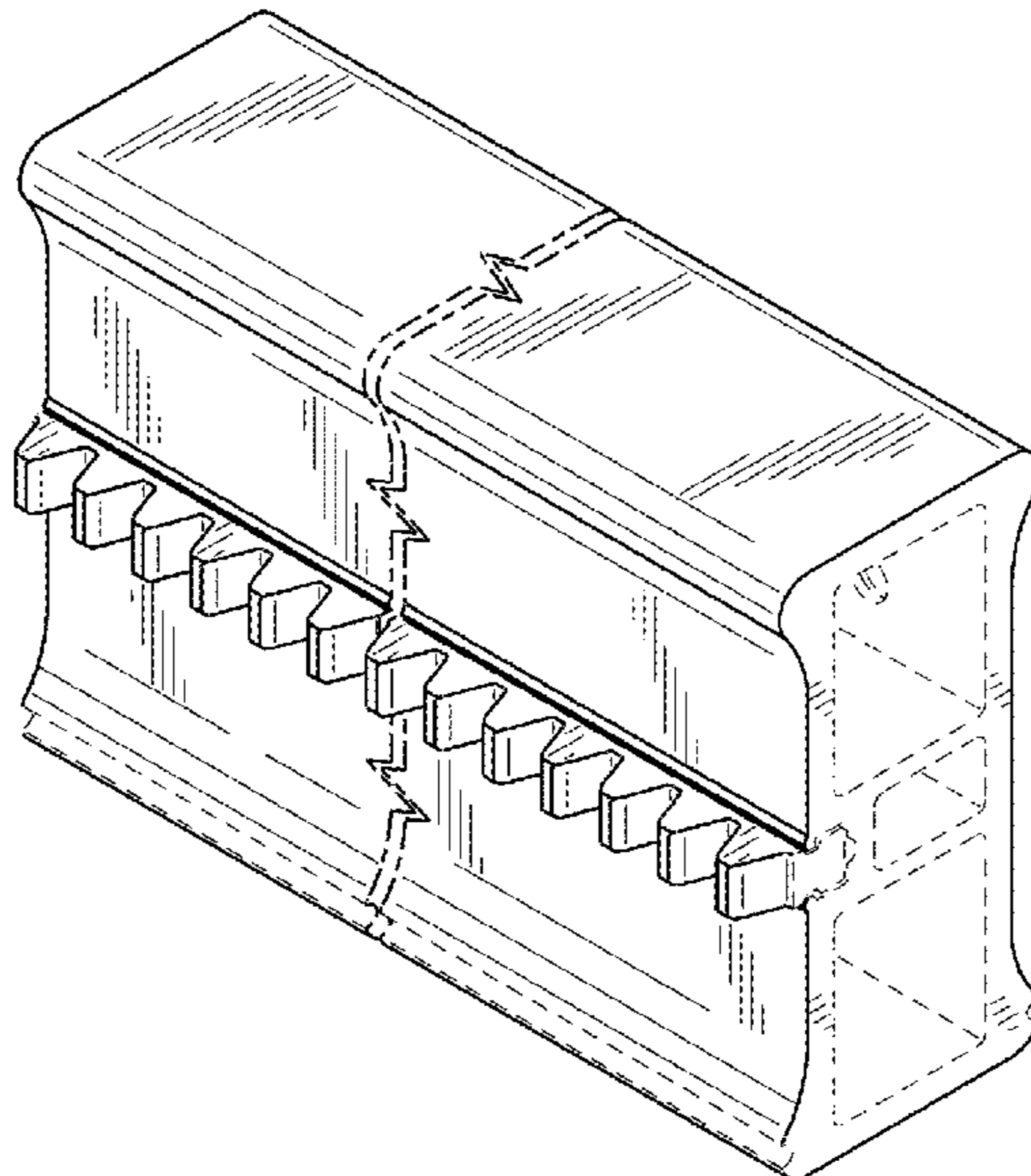
(56) **References Cited**

U.S. PATENT DOCUMENTS

4,260,869 A 4/1981 Slavens et al.
4,838,412 A 6/1989 Backman
4,904,916 A 2/1990 Glaske et al.

(Continued)

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,987,717 A * 1/1991 Dameron, Jr. E04B 7/00
52/11
5,052,521 A 10/1991 Wendt et al.
5,217,089 A * 6/1993 Virk B66B 9/02
187/201
5,235,917 A 8/1993 Luck et al.
D382,651 S * 8/1997 Colitto D25/122
5,676,061 A 10/1997 Loomer
6,082,496 A 7/2000 Bovis et al.
6,155,382 A 12/2000 Duijnste
6,360,673 B1 3/2002 Herrin et al.
D455,634 S * 4/2002 Hummel D25/124
6,435,308 B2 8/2002 Grass
6,622,637 B2 9/2003 Cummins
6,755,136 B2 6/2004 Jenkins
6,761,250 B1 7/2004 Szentistvany et al.
7,145,433 B2 12/2006 Gerstenkorn
7,296,659 B2 11/2007 Carlsen
7,322,461 B2 1/2008 Szentistvany et al.
D611,673 S * 3/2010 Andrews D34/35
D655,884 S * 3/2012 Spies D34/35
8,251,329 B2 * 8/2012 Suci G09F 15/0018
248/316.2
8,485,317 B2 7/2013 Gerstenkorn et al.
8,607,936 B2 12/2013 Szentistvany et al.
8,660,565 B2 2/2014 Hall
9,016,437 B2 4/2015 DiGiovanni et al.
9,091,026 B2 * 7/2015 Spies B66C 7/04
9,338,617 B2 5/2016 Douglas et al.
9,457,992 B2 10/2016 Ooms
9,751,724 B2 9/2017 Ooms
9,751,725 B2 9/2017 Hall et al.
9,776,836 B2 * 10/2017 Spies E01B 25/24
9,850,093 B2 12/2017 DePaola et al.
9,908,745 B2 3/2018 De Droon et al.
10,011,462 B2 7/2018 Ooms et al.

10,118,797 B2 11/2018 Keser
10,224,768 B2 3/2019 Zanotti
D909,702 S * 2/2021 Zurewich D34/29
2002/0011383 A1 1/2002 Grass
2004/0104078 A1 6/2004 Szentistvany et al.
2004/0255709 A1 12/2004 Reitberger
2005/0177288 A1 4/2005 Sullivan et al.
2005/0098059 A1 * 5/2005 Wallner B66C 11/06
104/89
2005/0224293 A1 * 10/2005 Molnar B66B 9/0807
187/200
2008/0271953 A1 11/2008 Vroegindeweyj
2010/0064835 A1 3/2010 Lockett
2010/0101894 A1 4/2010 Szentistvany et al.
2011/0024237 A1 2/2011 Vroegindeweyj
2011/0278096 A1 11/2011 Kentenich et al.
2012/0048652 A1 * 3/2012 DiGiovanni B66B 9/0846
187/201
2013/0167750 A1 * 7/2013 Spies B66C 7/08
104/93
2014/0083801 A1 3/2014 Vroegindeweyj et al.
2015/0375965 A1 12/2015 Awerbuch et al.
2016/0268805 A1 9/2016 Finn et al.
2017/0001837 A1 1/2017 Hall et al.
2017/0144860 A1 5/2017 Colenutt
2017/0233223 A1 8/2017 Hoedjes
2017/0247227 A1 8/2017 Rosenthal
2018/0282070 A1 * 10/2018 Specht B65G 23/08
2019/0047825 A1 2/2019 Jakes et al.
2020/0354193 A1 * 11/2020 Eisenman B66B 7/023

FOREIGN PATENT DOCUMENTS

GB 2551817 A 1/2018
KR 2001-0055394 A 7/2001
WO 2000/23371 A1 4/2000
WO 2018/002573 A1 1/2016
WO 2016/072849 A1 5/2016

* cited by examiner

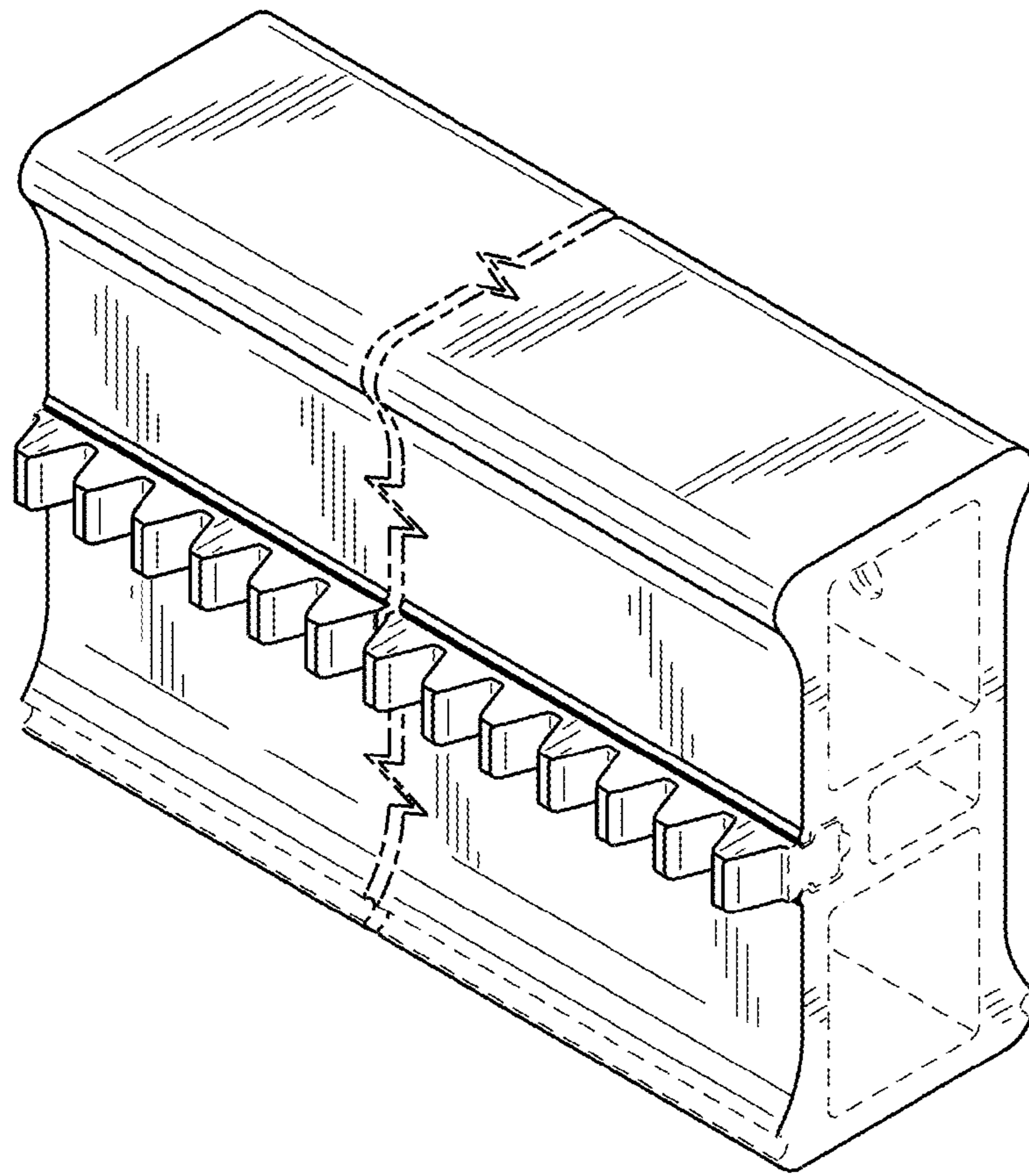
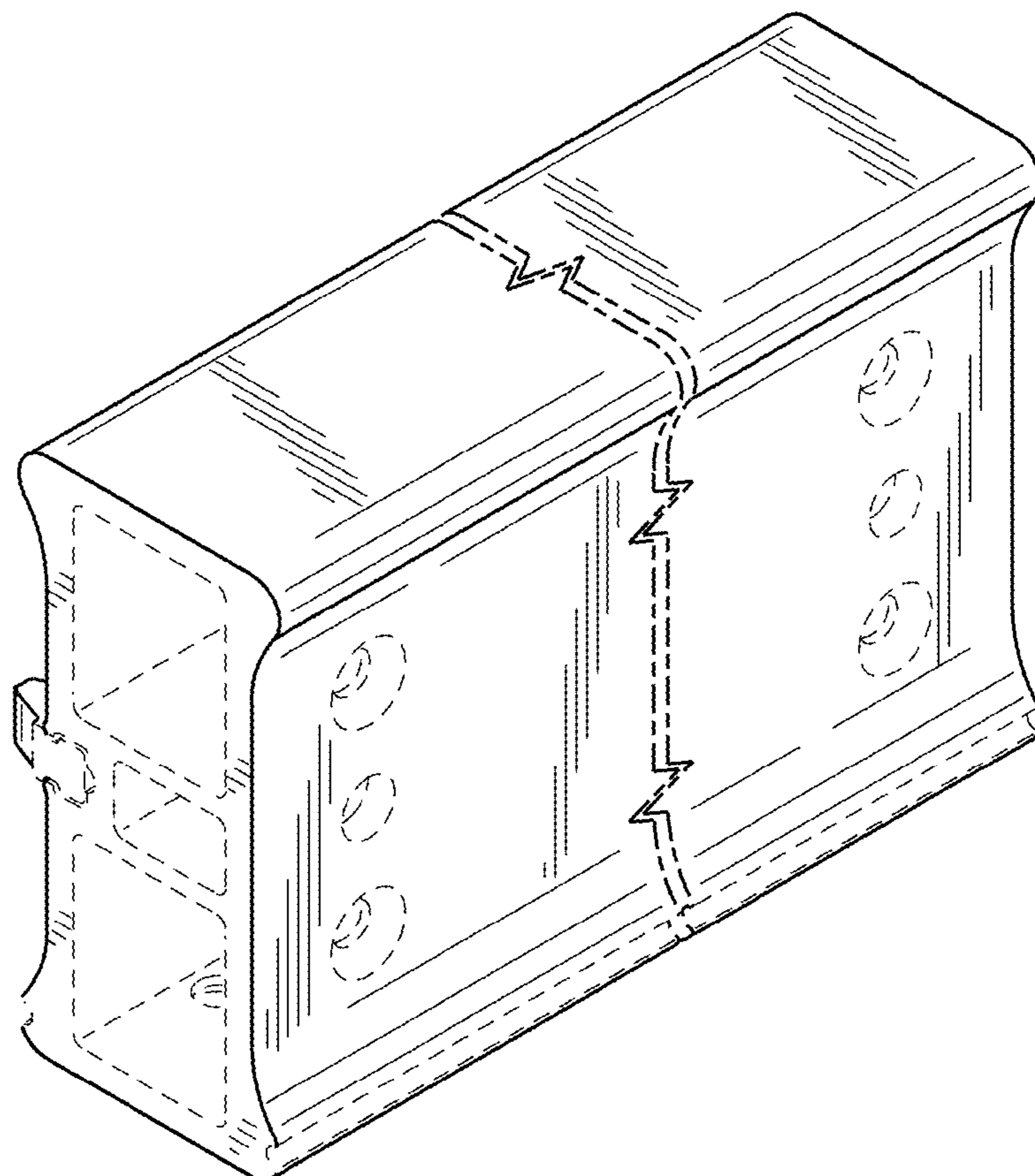


FIG. 1

FIG. 2



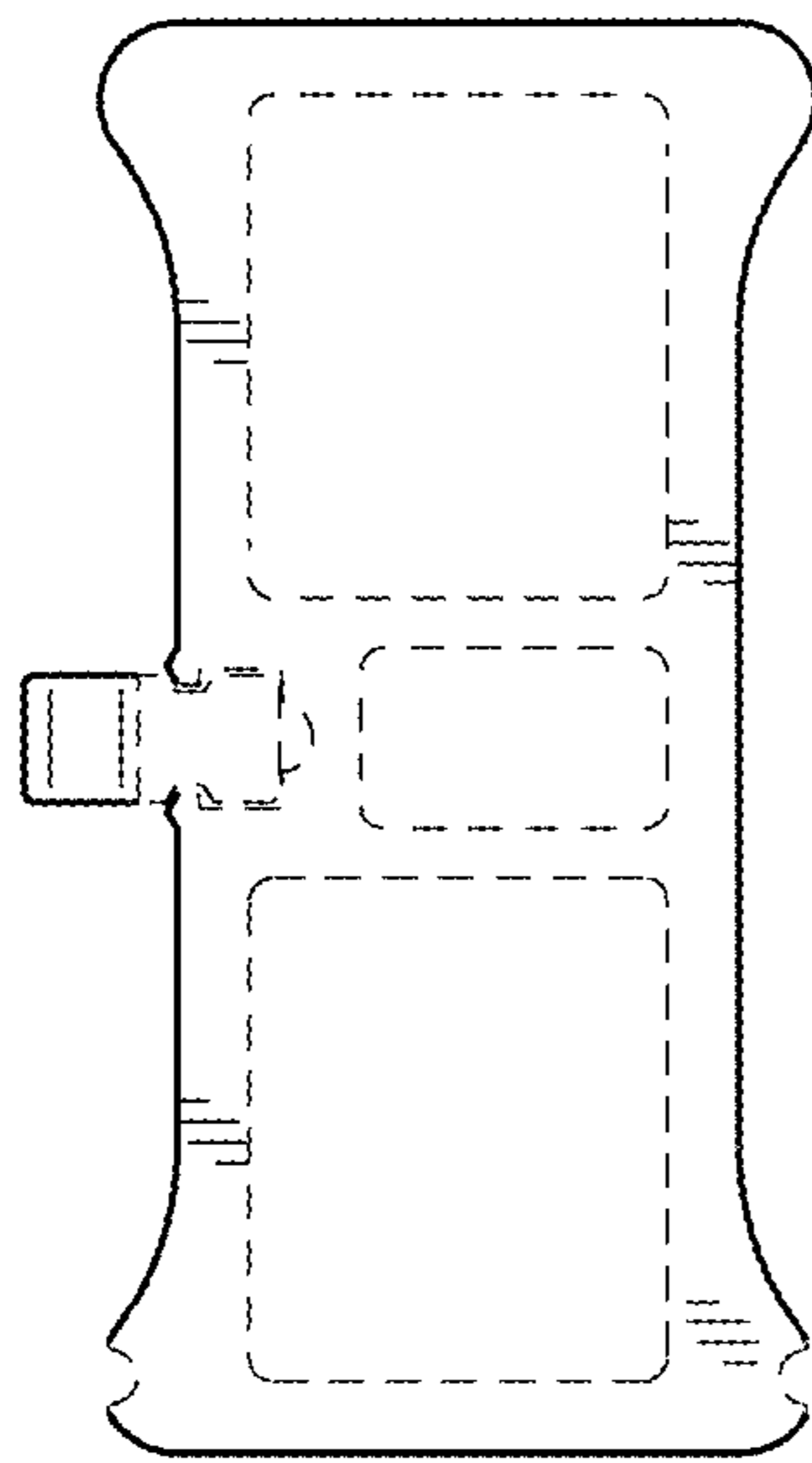


FIG. 3

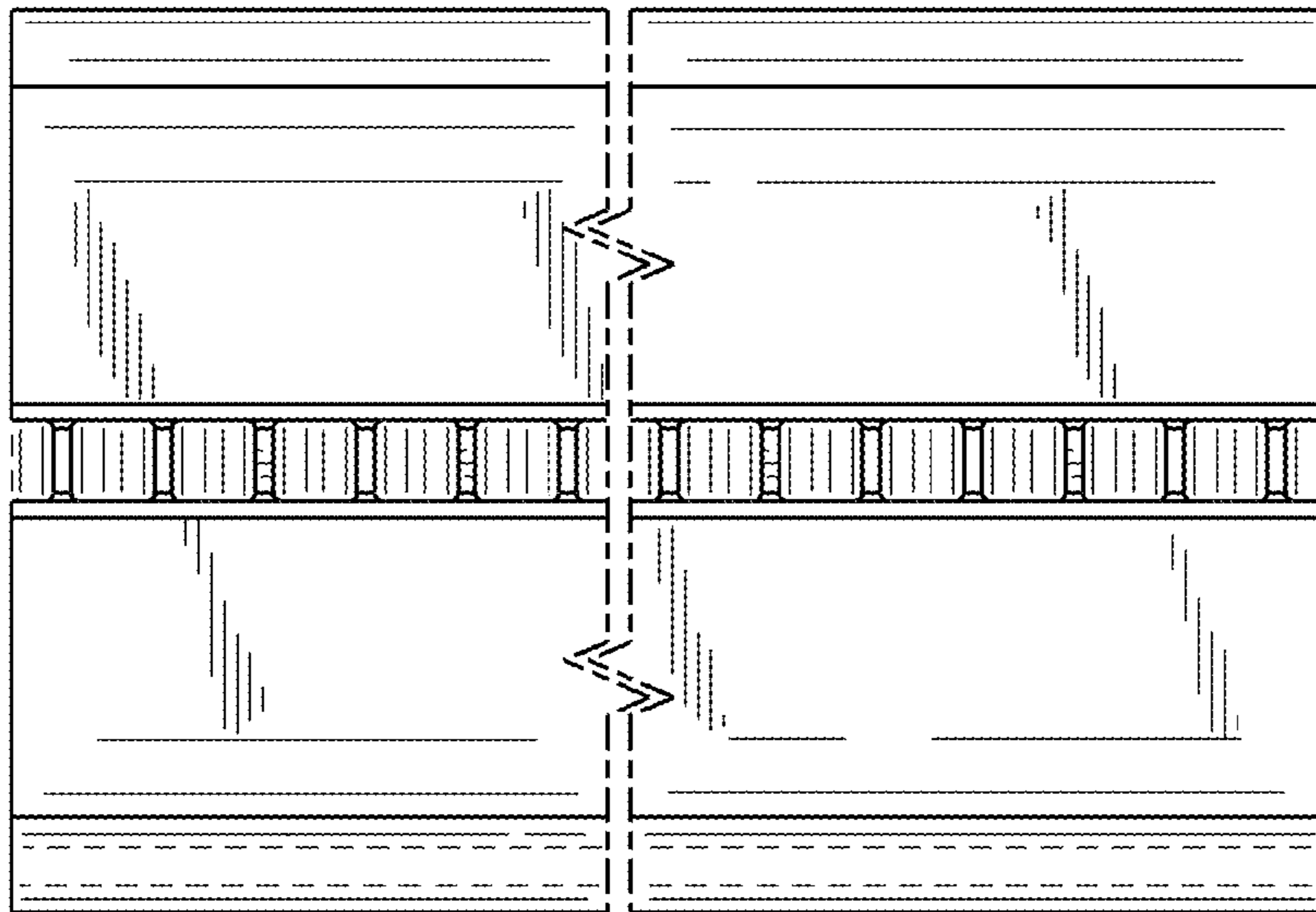


FIG. 4

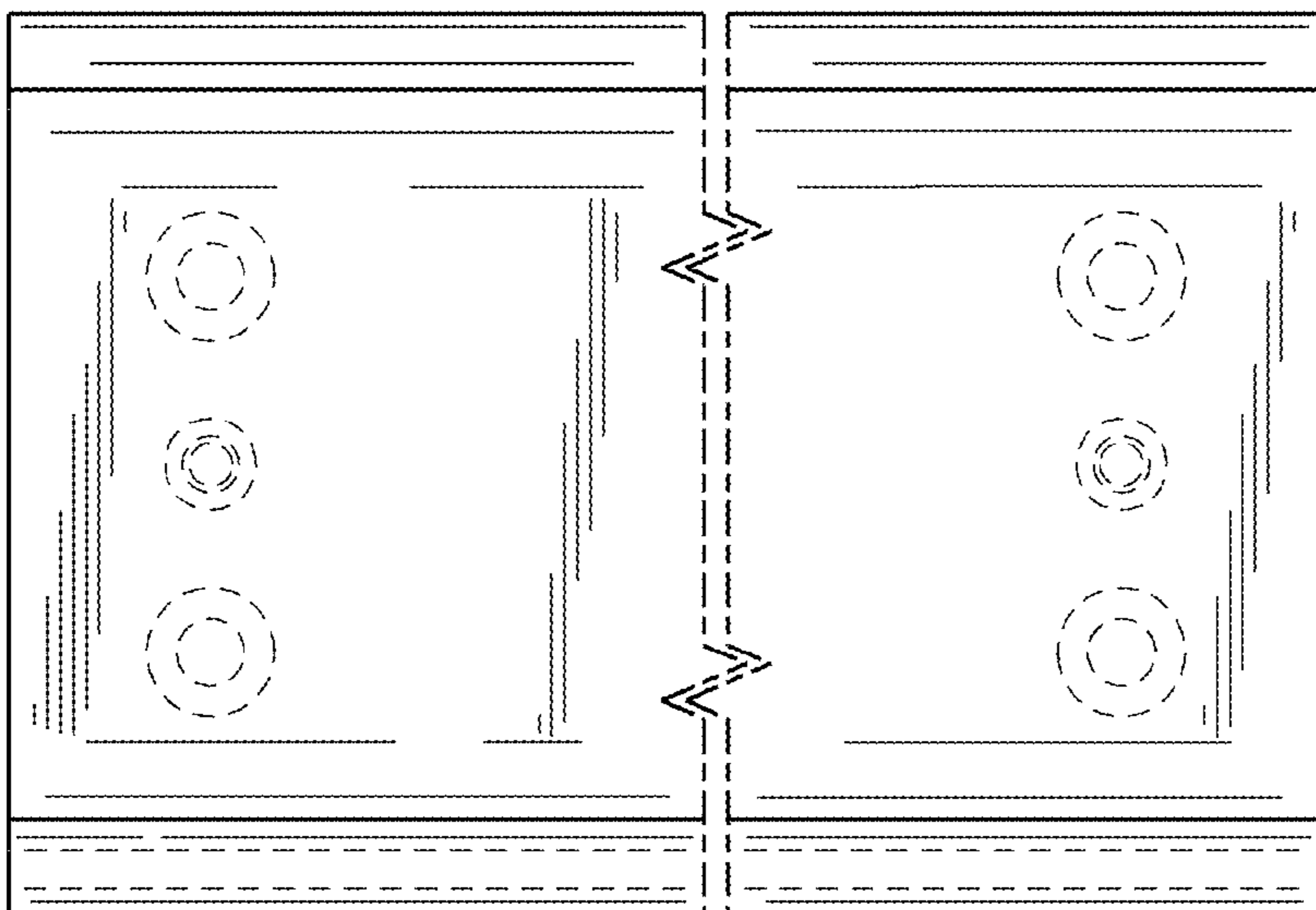


FIG. 5

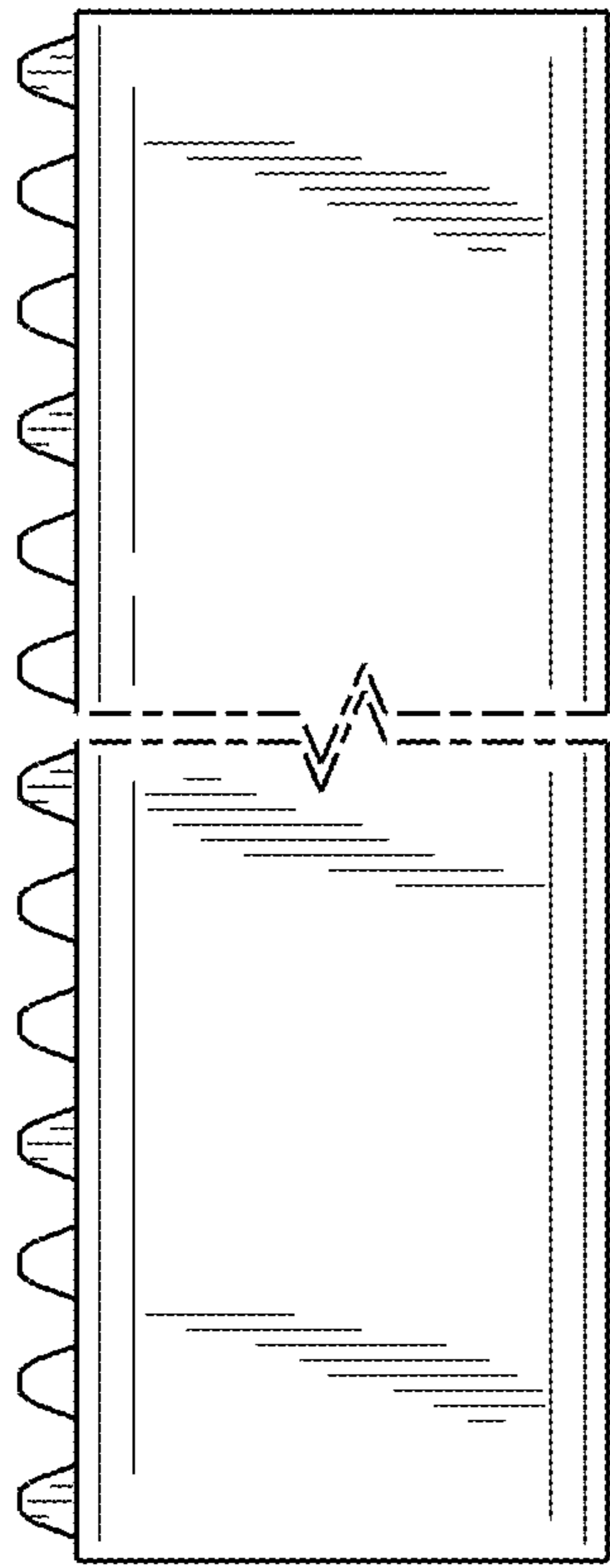


FIG. 6

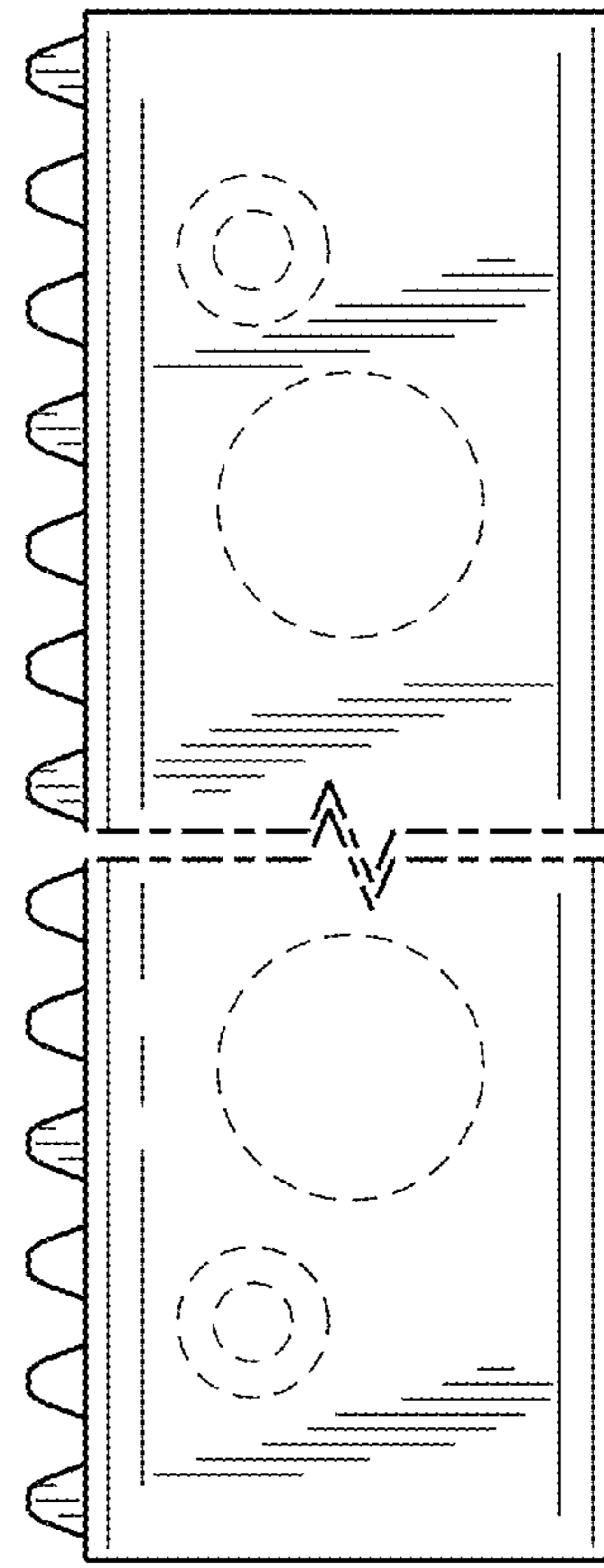


FIG. 7

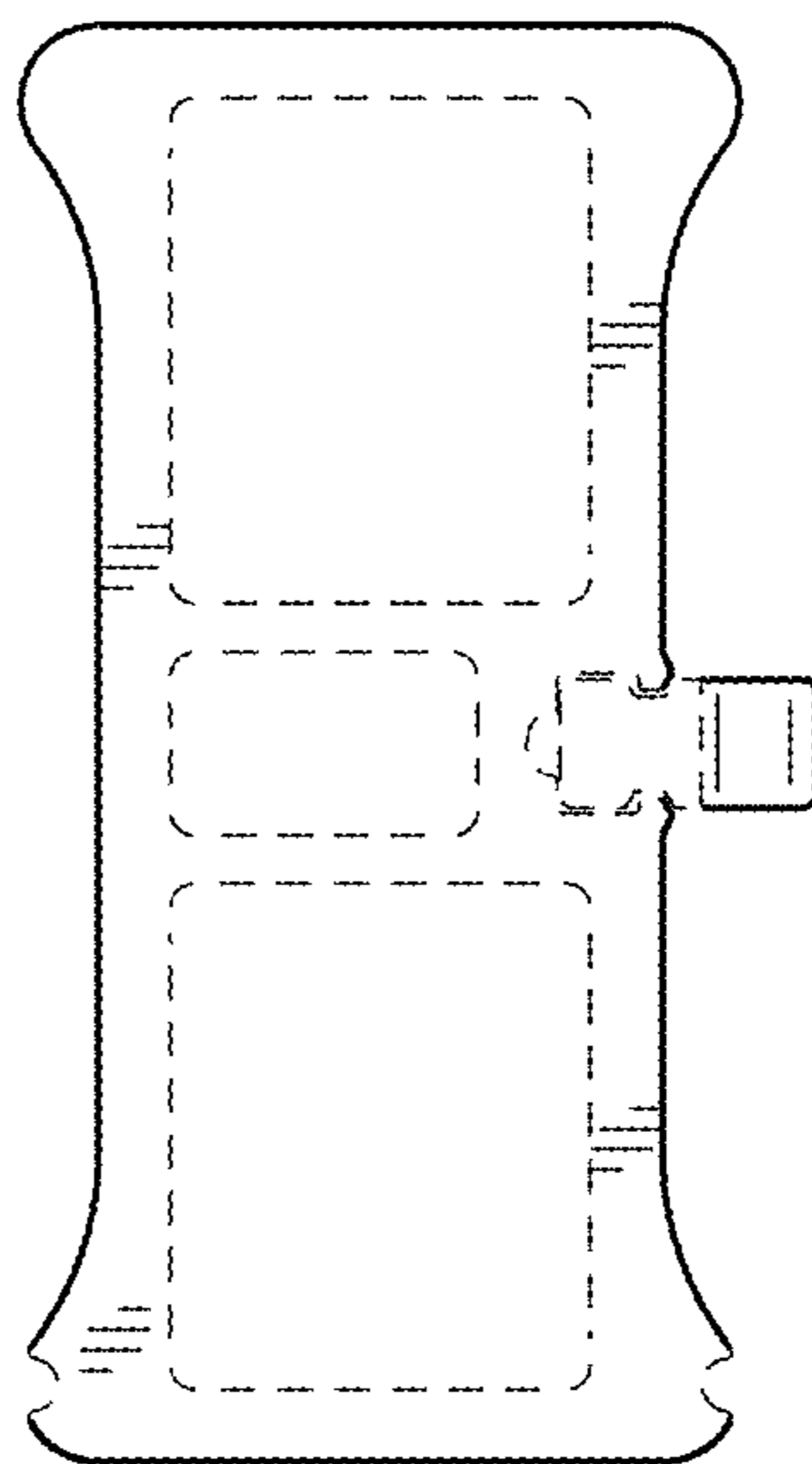


FIG. 8