



US00D965828S

(12) **United States Design Patent** (10) **Patent No.:** **US D965,828 S**
Chen (45) **Date of Patent:** **** Oct. 4, 2022**

(54) **LUMINOUS WIRE**
(71) Applicant: **Chien-Hao Chen**, Dongshan Township (TW)

(72) Inventor: **Chien-Hao Chen**, Dongshan Township (TW)

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

(21) Appl. No.: **29/714,891**

(22) Filed: **Nov. 26, 2019**

(51) **LOC (13) Cl.** **26-04**

(52) **U.S. Cl.**
USPC **D26/24; D13/153**

(58) **Field of Classification Search**
USPC D13/133, 139.2, 152, 153, 155;
D25/119, 121, 123, 125; D26/1, 2, 24,
D26/27, 72, 74-78, 80-83, 85-86, 88-90,
D26/113, 118, 120-122, 138, 141
CPC F21S 8/00; F21S 8/03; F21S 8/031; F21S
8/036; F21S 8/04; F21S 8/043; F21S
8/046; F21S 8/06; F21S 8/063; F21V
3/049; F21V 7/00; F21V 7/0016; F21V
7/0041; F21V 7/005; F21V 7/0083; F21V
23/001; H02G 5/00; H02G 15/00; H02G
15/003

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,441,461 A * 5/1948 Wayne H01R 25/14
439/115
2,729,696 A * 1/1956 Hull H01B 7/38
D13/153
D185,856 S * 8/1959 Scofield D13/153
D224,790 S * 9/1972 Shlesinger, Jr. D13/153
D355,161 S * 2/1995 Bodnar D13/146
D463,777 S * 10/2002 Mellgren D13/157
D573,101 S * 7/2008 Ng D13/153
D634,340 S * 3/2011 Luotoharju D15/135

D634,341 S * 3/2011 Luotoharju D15/135
D733,535 S * 7/2015 Egami D8/356
D842,255 S * 3/2019 Marrapode D13/153
D868,355 S * 11/2019 Trzcielinski D26/138
D908,098 S * 1/2021 Kim D13/133

(Continued)

FOREIGN PATENT DOCUMENTS

EM 007338645-0001 * 12/2019

OTHER PUBLICATIONS

Custom Cross Section, date unavailable, retrieved Jun. 23, 2022 from URL: <https://rn.made-in-china.com/product/Custom-Cross-Section-Special-Profile-Wires-for-Support-Bar-915317215.html> (Year: 2022).*

(Continued)

Primary Examiner — Richard Kearney
Assistant Examiner — Christina M. Dodson
(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

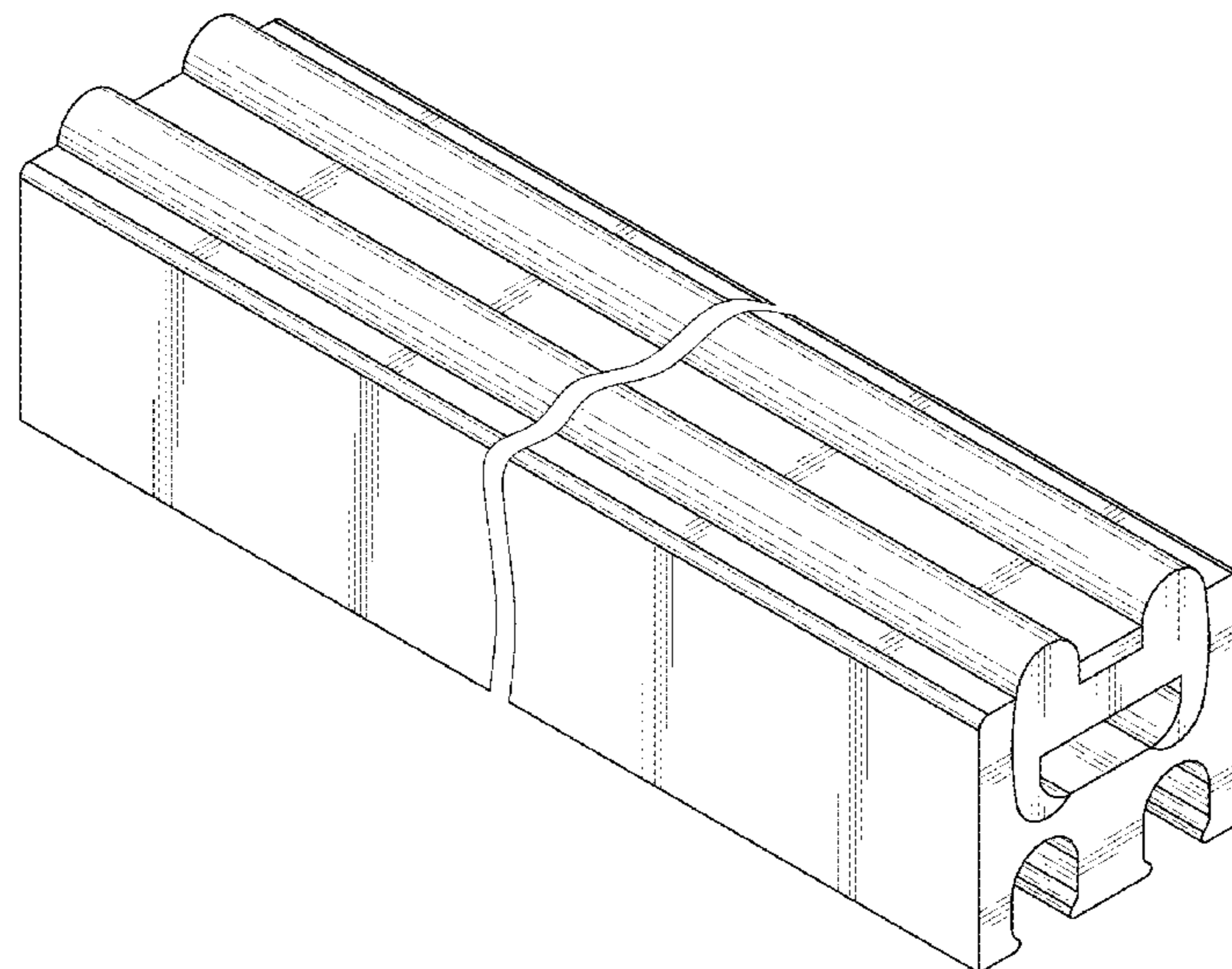
(57) **CLAIM**

The ornamental design for luminous wire, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a luminous wire showing my new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The luminous wire is shown with a symbolic break in its length. The appearance of any portion of the article between the break lines forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2018/0213729 A1* 8/2018 Lebel F21K 9/20
2018/0363886 A1* 12/2018 Narayanaswamy .. F21V 15/013

OTHER PUBLICATIONS

Shaped Wires for Agriculture, Electrical & Medical Fields, date unavailable, retrieved Jun. 23, 2022 from URL: <https://www.galwire.com/galvanizedmetalwire/special-shaped-wire.html> (Year: 2022).*

* cited by examiner

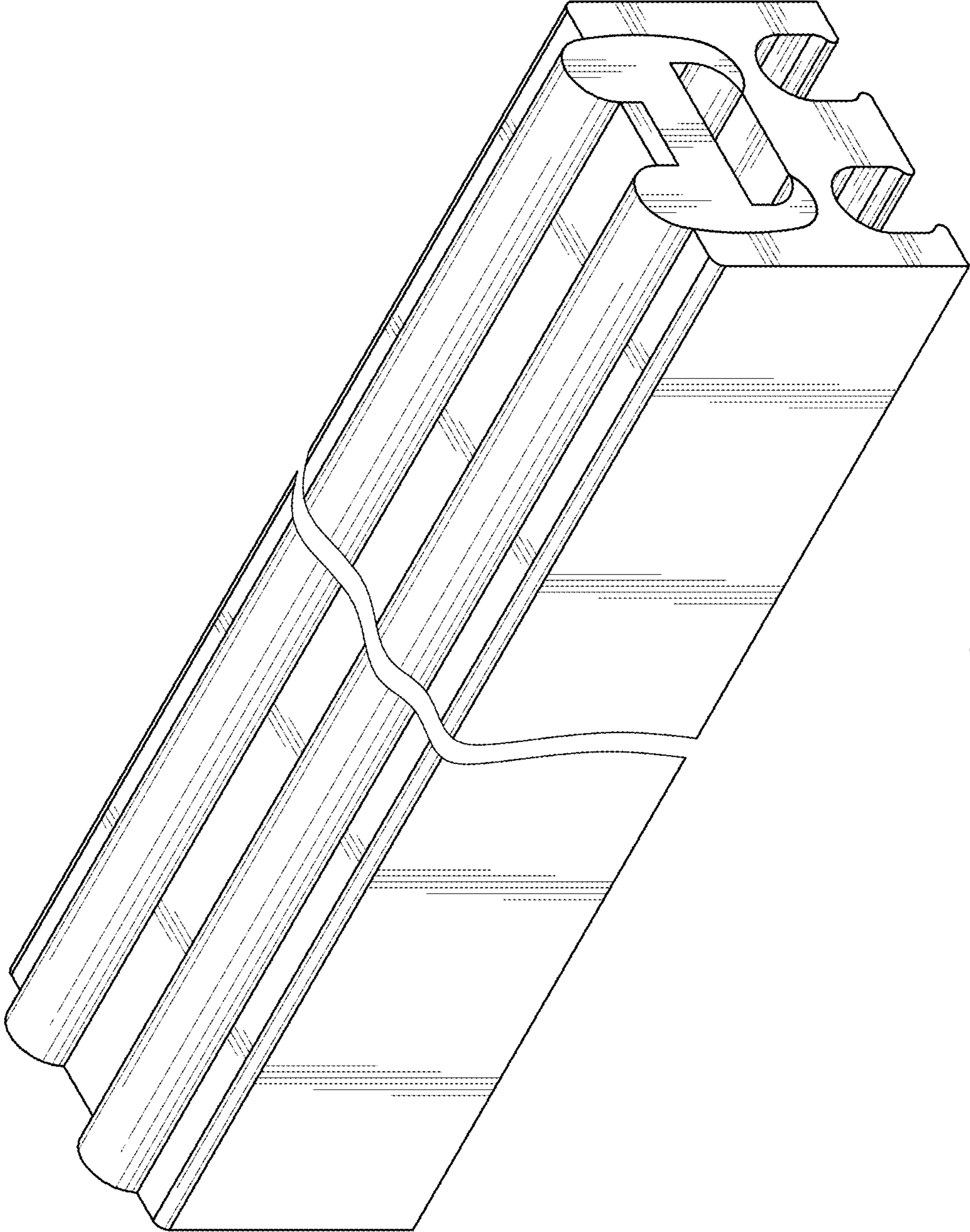


Fig. 1

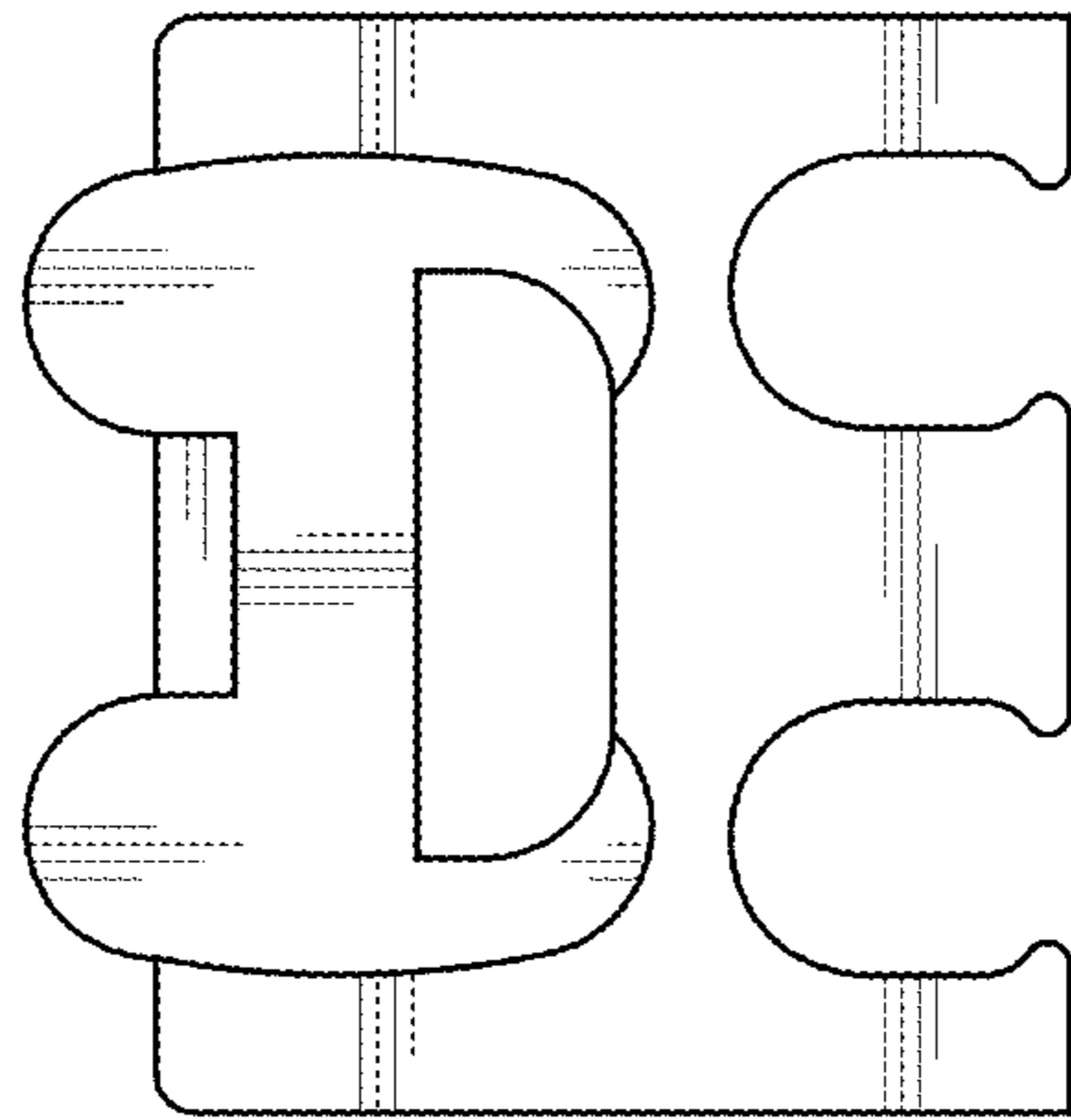


Fig. 2

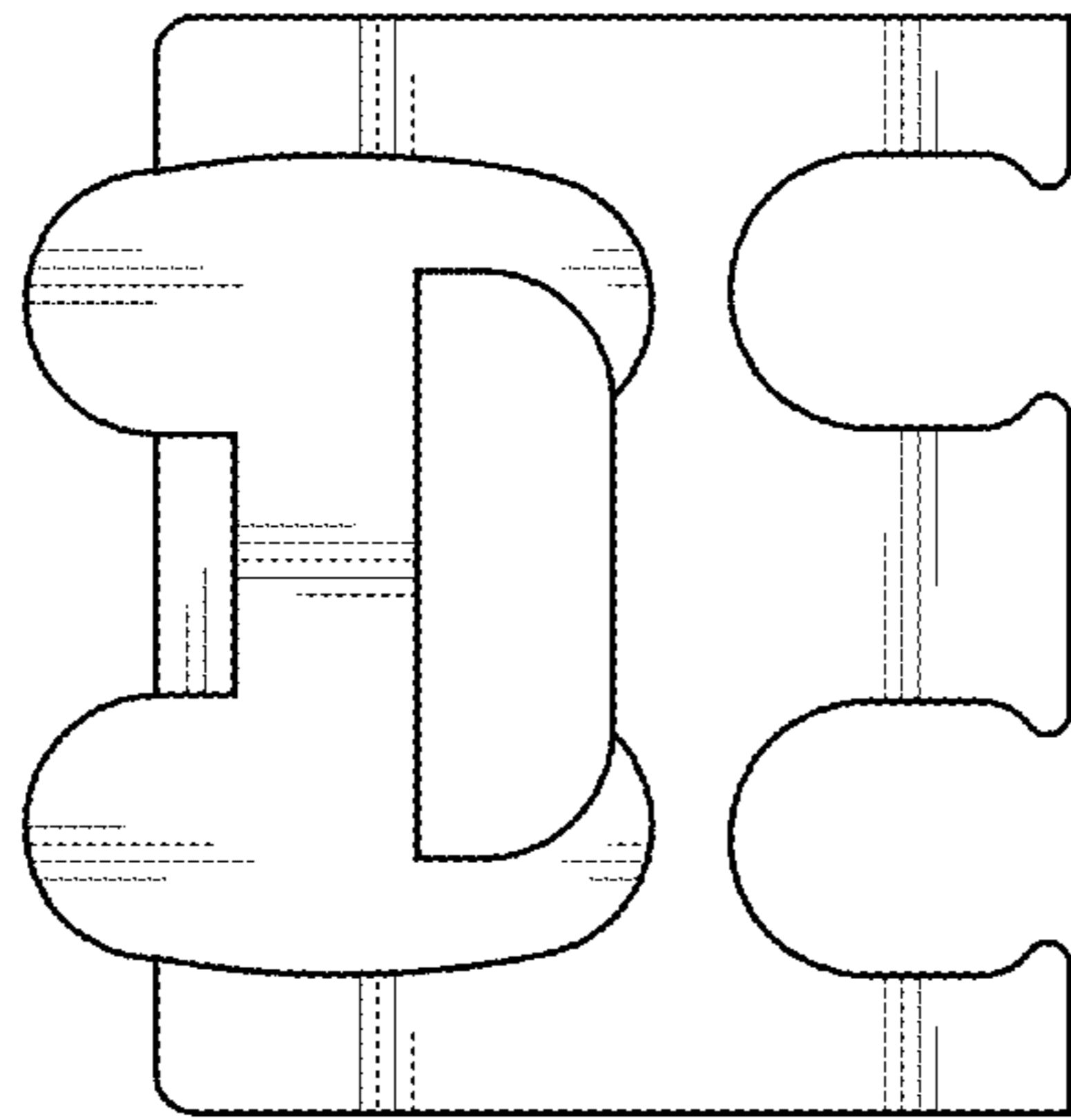


Fig. 3

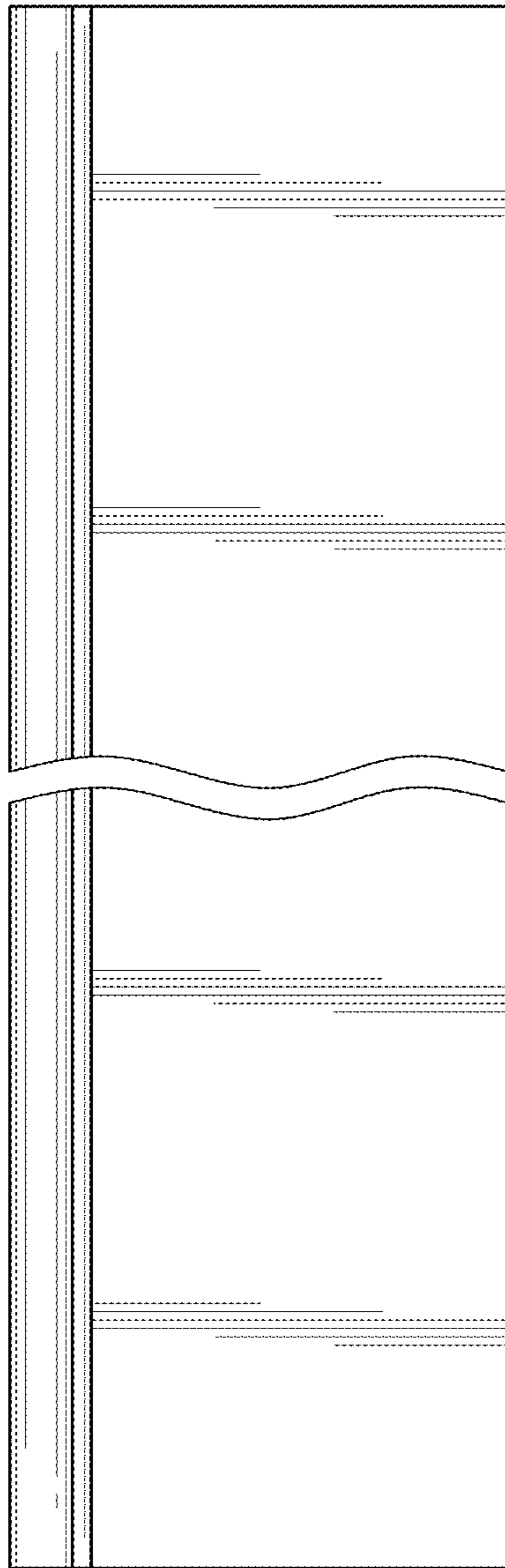


Fig. 4

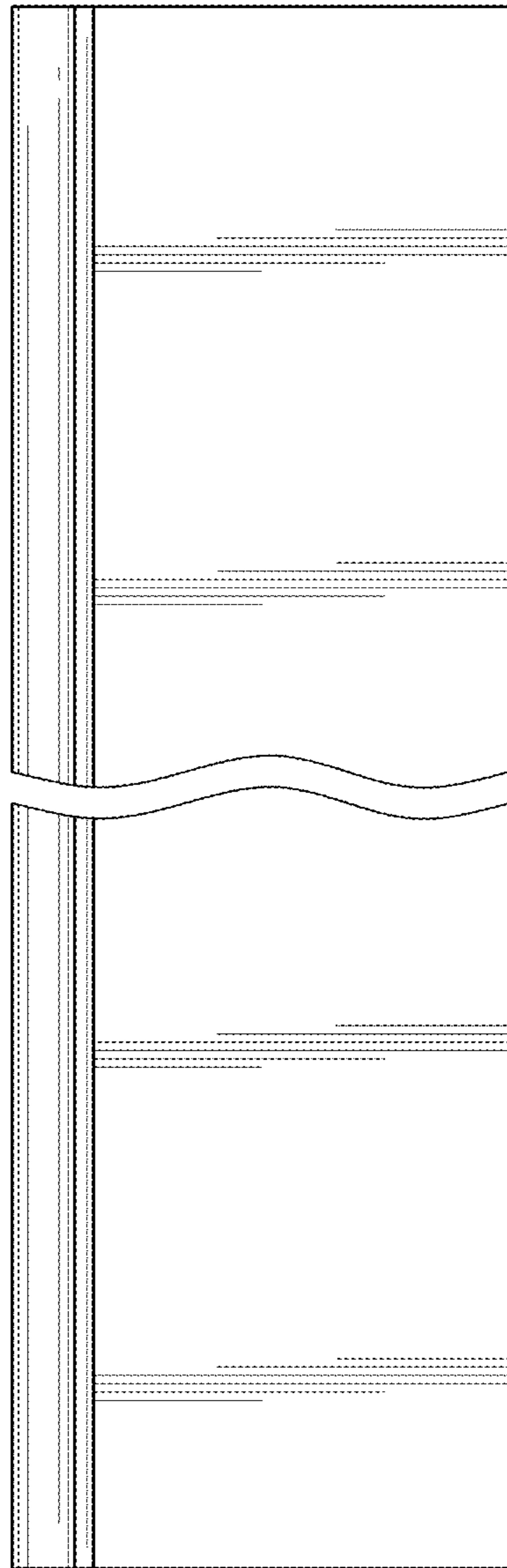


Fig. 5

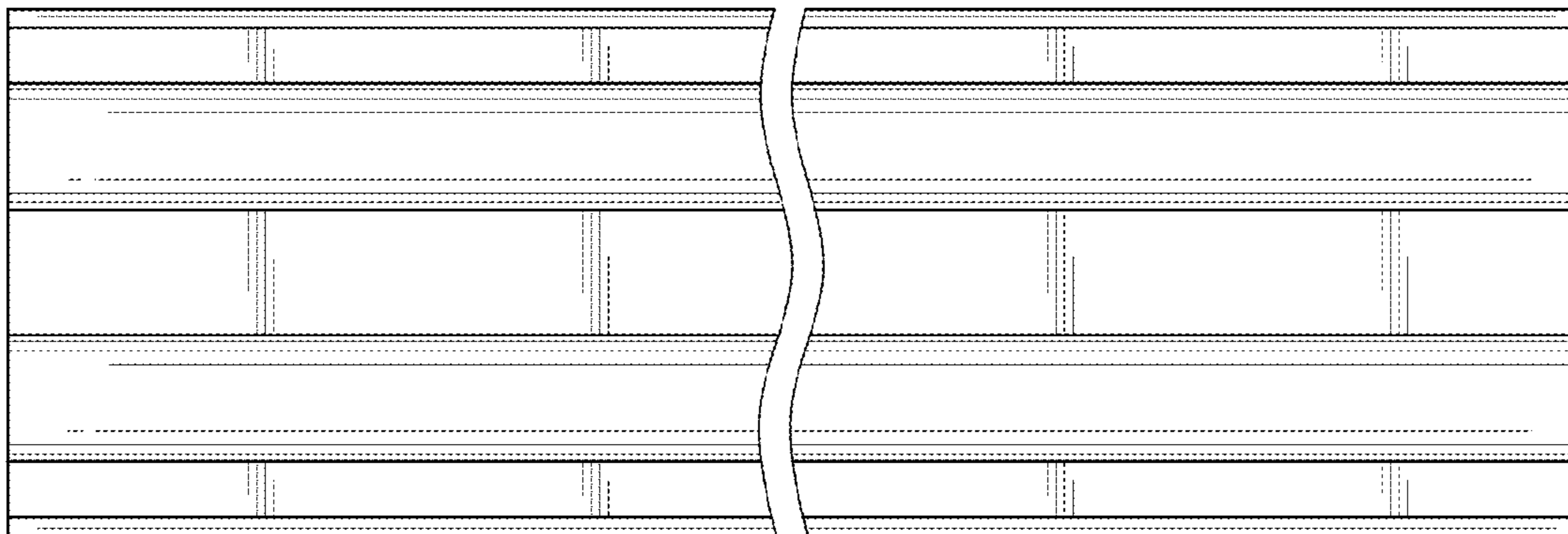


Fig. 6

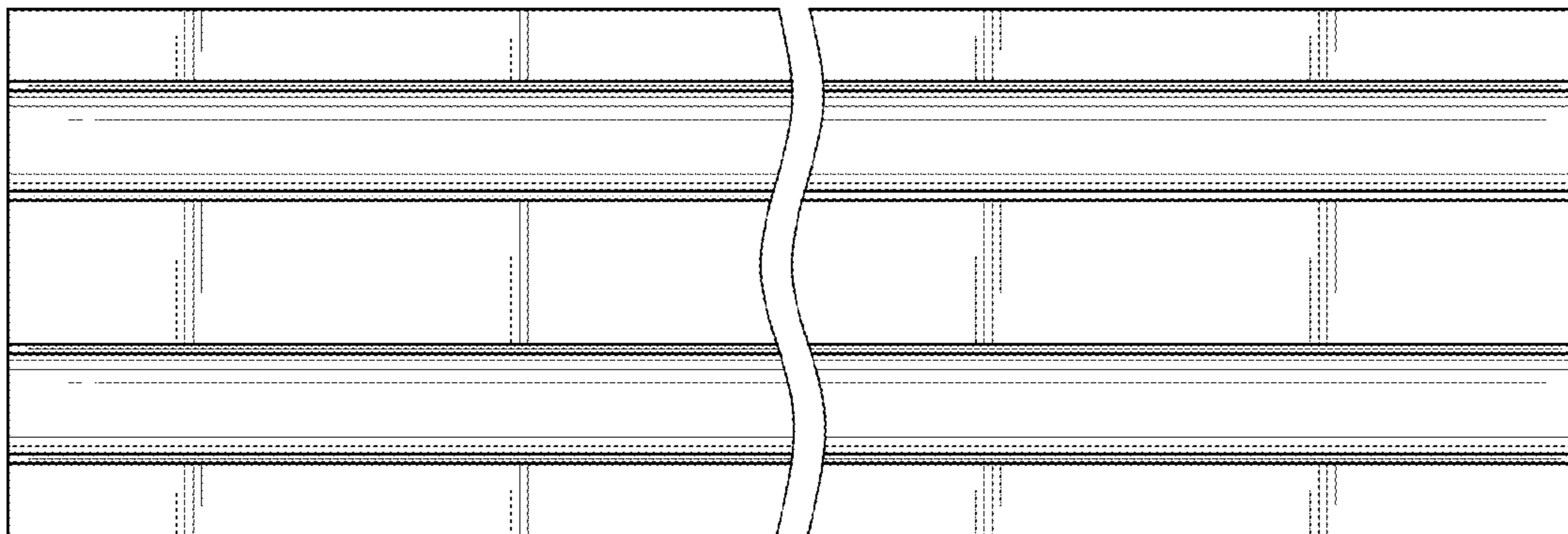


Fig. 7