



US00D963283S

(12) **United States Design Patent** (10) **Patent No.:** **US D963,283 S**
Kruger et al. (45) **Date of Patent:** **** Sep. 6, 2022**

(54) **STRUCTURAL ROD** 1,722,344 A * 7/1929 Shallock F27B 21/06
266/279
(71) Applicant: **Greystone Logistics, Inc.**, Tulsa, OK 2,063,146 A * 12/1936 Becker E02D 5/28
(US) 405/231
2,387,432 A * 10/1945 Du Laney E04C 3/29
(72) Inventors: **Warren Kruger**, Tulsa, OK (US); **Jon** 2,388,730 A * 11/1945 Fallert B65D 19/0012
Nommensen, La Crosse, WI (US) 108/51.3
D176,582 S * 1/1956 Bacon D6/706
(73) Assignee: **GREYSTONE LOGISTICS, INC.**, D177,034 S * 3/1956 Fridolph D8/377
Tulsa, OK (US) (Continued)

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

(21) Appl. No.: **29/654,623**

(22) Filed: **Jun. 26, 2018**

(51) **LOC (13) Cl.** **09-08**

(52) **U.S. Cl.** **D34/38; D25/119**

(58) **Field of Classification Search**
USPC D34/35, 38; D12/49, 50, 317; D8/377,
D8/358, 354, 356, 499; 108/57.25, 53.1,
108/56.3, 54.26, 56.1, 51.11; D21/540;
D25/119, 125, 126, 129, 164, 199
CPC .. E04B 1/32; E04B 5/12; F16M 13/02; F16M
7/00; E04G 23/0218; B65D 2519/00323;
B65D 19/0026; B65D 19/0059; B65D
19/0012; B65D 19/0016; B65D 19/40;
B65D 2519/0094; B65D 2519/00019;
B32B 38/0004

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D26,289 S * 11/1896 Rebmann D34/35
D32,406 S * 3/1900 Hazard D12/50
749,183 A * 1/1904 Guynan E01B 31/18
238/148
811,560 A * 2/1906 Hinchman E04C 3/32
52/854
1,204,955 A * 11/1916 Day E04C 3/07
52/364

OTHER PUBLICATIONS

Google image search, Dec. 19, 2019, MetalsDepot, Steel Beams,
https://www.metalsdepot.com/steel-products/steel-beams?gclid=EAlaQobChMI8Z29zNrB5gIVhK7ICh29ywy_EAQYASABEgKXKVD_BwE (Year: 2919).*

(Continued)

Primary Examiner — Cynthia Ramirez

(74) *Attorney, Agent, or Firm* — Head, Johnson,
Kachigian & Wilkinson, PC

(57) **CLAIM**

The ornamental design for a structural rod, as shown and
described.

DESCRIPTION

FIG. 1 is a top view of a structural rod showing our new
design;

FIG. 2 is a perspective view thereof;

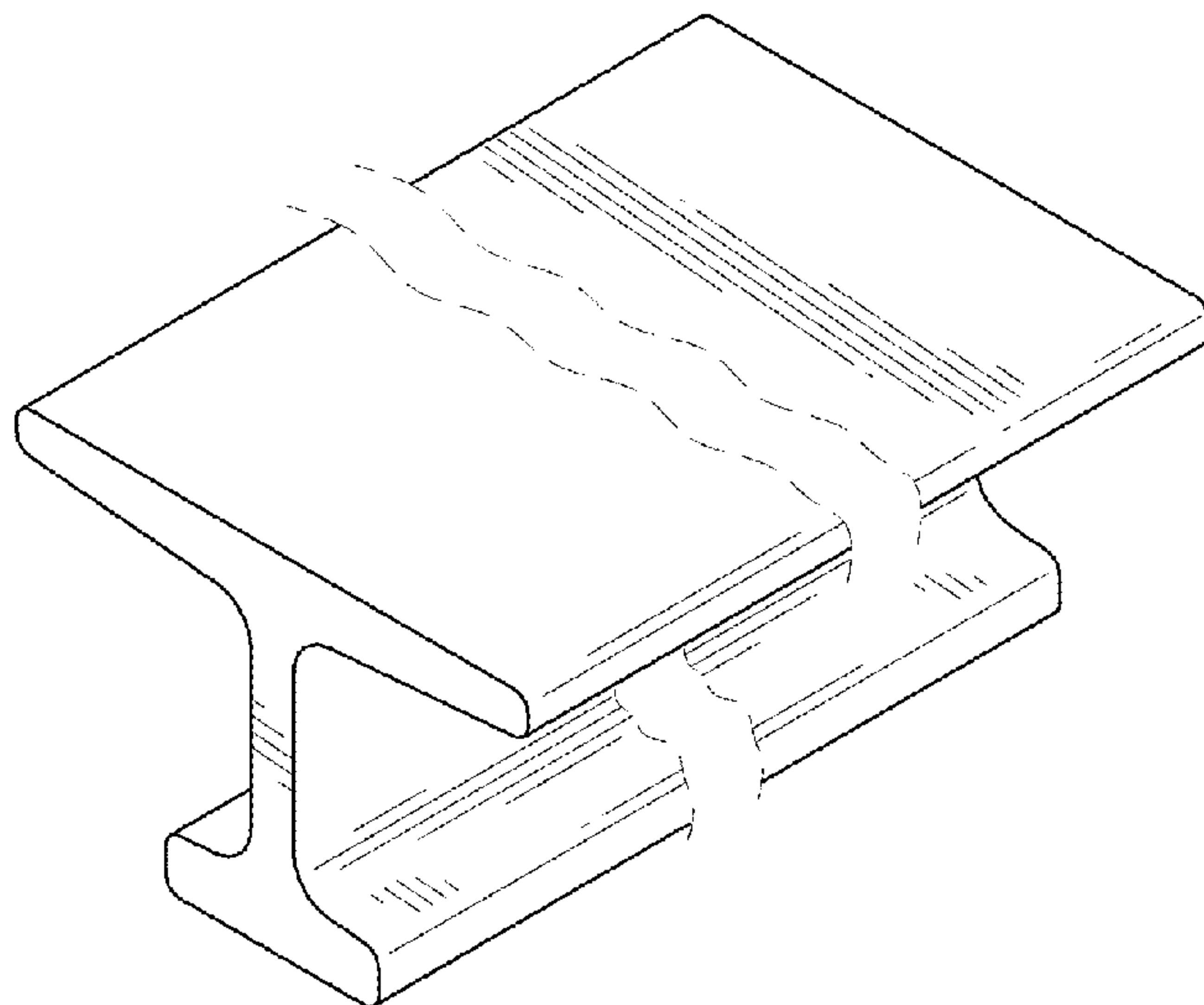
FIG. 3 is a front view thereof, the rear view being the mirror
image thereof;

FIG. 4 is a bottom view thereof; and,

FIG. 5 is a left side view thereof, the right side view being
a mirror image thereof.

The structural rod shown in FIGS. 1, 2, 4, and 5 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, 1 Drawing Sheet



(56)

References Cited

U.S. PATENT DOCUMENTS

2,853,775 A * 9/1958 Drake E01B 31/12
29/558
3,120,135 A * 2/1964 Henderson C07D 315/00
408/16
3,131,656 A * 5/1964 Renec B65D 19/0095
108/51.3
D210,935 S * 5/1968 Cook D25/119
3,519,190 A * 7/1970 Achermann B65D 19/20
206/599
3,730,310 A * 5/1973 Spiringer B60M 1/302
191/29 DM
3,759,193 A * 9/1973 Branch B65D 19/0097
108/53.3
3,762,344 A * 10/1973 Chez B65D 19/0026
108/57.29
3,927,624 A * 12/1975 Hewson B65D 19/0075
108/56.1
D270,342 S * 8/1983 Trickel D12/49
4,417,834 A * 11/1983 Jagers B23B 41/003
33/571
4,488,496 A * 12/1984 Polacco B65D 65/403
108/51.3
4,509,433 A * 4/1985 Farr B65D 19/40
108/51.3
4,898,102 A * 2/1990 Thebeau B65D 19/0095
108/55.3
5,001,991 A * 3/1991 Smith B65D 19/0095
108/51.3
D398,732 S * 9/1998 Pigott D34/38
D416,782 S * 11/1999 Reinhardt D34/38
6,041,719 A * 3/2000 Vidal B65D 19/0002
108/51.3
D456,585 S * 4/2002 Sandstrom D34/35
6,766,749 B2 * 7/2004 Lacabanne B65D 19/0085
108/56.3
D541,001 S * 4/2007 Cheok D25/119
D559,659 S * 1/2008 Kruger D8/356
D587,819 S * 3/2009 Ryan D25/119
D642,354 S * 7/2011 Diegel D34/38
D666,325 S * 8/2012 Morton D25/119
D679,237 S * 4/2013 Austro D12/317
D680,595 S * 4/2013 Riley D21/540

8,656,843 B2 * 2/2014 Monteith B65D 19/0026
108/51.3
D723,188 S * 2/2015 Taylor D25/119
D734,499 S * 7/2015 Batres D25/136
D748,886 S * 2/2016 Grubbs, Jr. D34/38
D789,643 S * 6/2017 Pettinga D34/29
D803,421 S * 11/2017 Lee D25/119
D812,839 S * 3/2018 Redding D34/38
D856,726 S * 8/2019 Mak D6/714
D858,033 S * 9/2019 Shan D1/199
D859,609 S * 9/2019 Gori D23/267
2003/0033758 A1 * 2/2003 Sanger E04B 5/02
52/90.1
2005/0224287 A1 * 10/2005 LaBrash E04G 5/10
182/84
2005/0284078 A1 * 12/2005 Marsland E04C 3/14
52/642
2008/0092466 A1 * 4/2008 Zirbel E04B 5/04
52/223.6
2009/0308289 A1 * 12/2009 Ferguson B31D 5/0086
108/51.3
2009/0320722 A1 * 12/2009 Korbonski B65D 19/0069
108/56.1
2010/0005998 A1 * 1/2010 Kempf B66C 9/02
105/150
2010/0242562 A1 * 9/2010 Kempf A63J 1/02
72/257
2011/0220544 A1 * 9/2011 De Alba B65D 19/385
206/600
2013/0067856 A1 * 3/2013 Woolstencroft E04B 1/944
52/834
2015/0113903 A1 * 4/2015 McManus E04F 15/02044
52/586.1
2015/0284968 A1 * 10/2015 Simmons A62B 35/0081
182/36
2019/0017283 A1 * 1/2019 GangaRao E04C 5/07
2019/0106242 A1 * 4/2019 Weeks B65D 19/0002
2019/0277048 A1 * 9/2019 Reigstad E04B 5/04
2019/0309899 A1 * 10/2019 Duarte F16B 2/10

OTHER PUBLICATIONS

TSS Tampasteel & Supply, What is the difference between an H-beam and an I-Beam, Dec. 19, 2019, <https://tampasteel.com/difference-between-h-beam-i-beam/> (Year: 2919).*

* cited by examiner

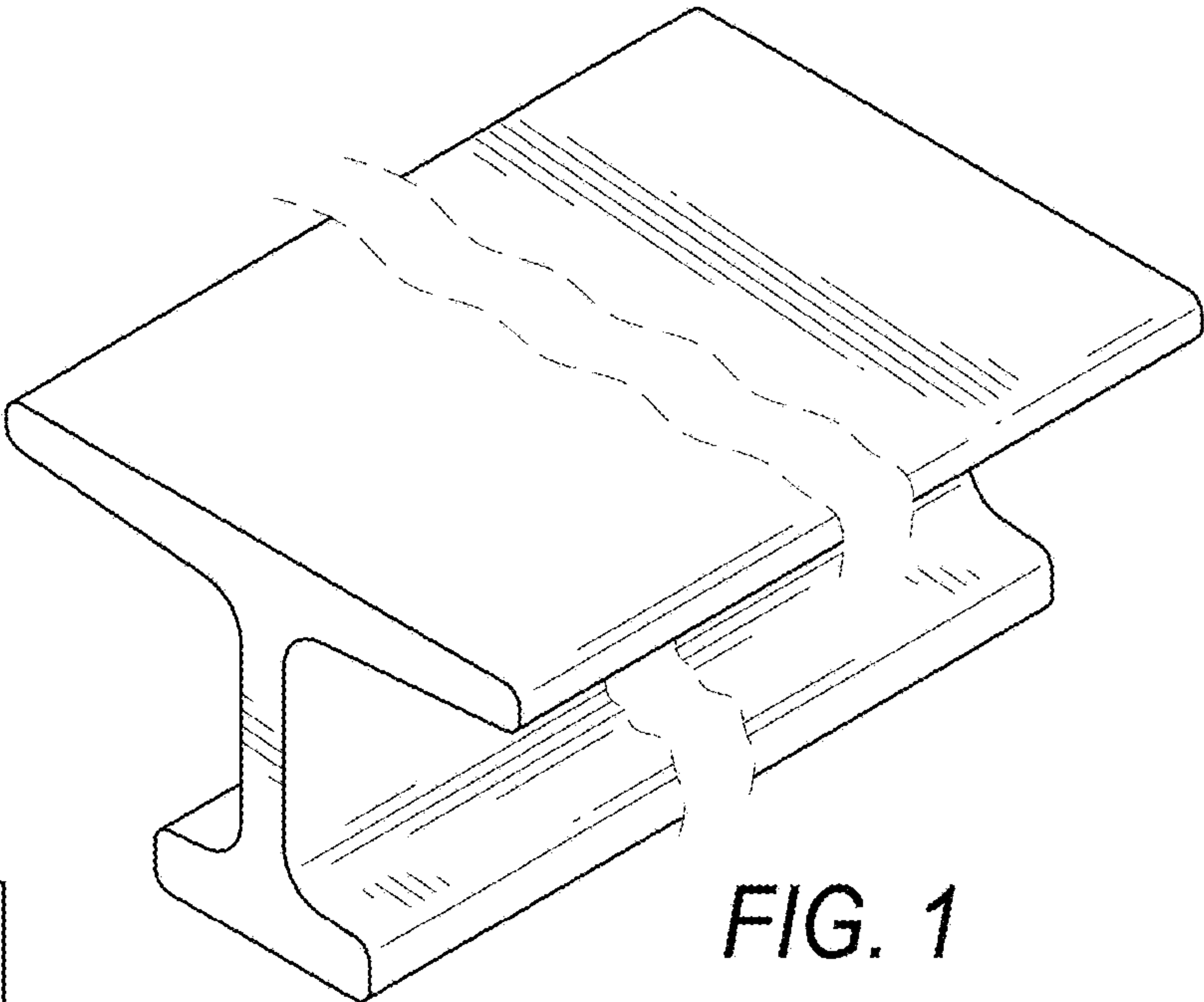


FIG. 1

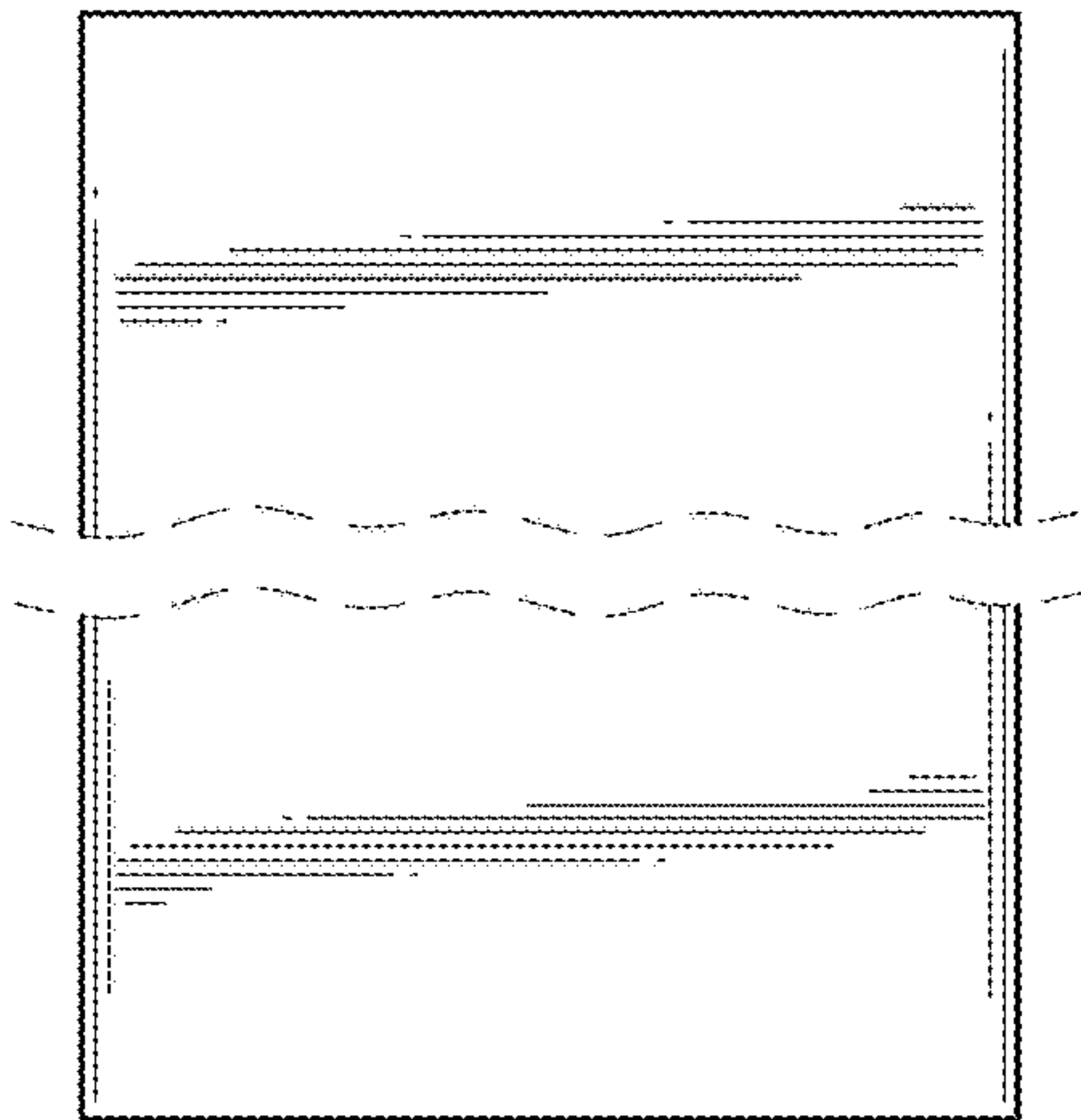


FIG. 2

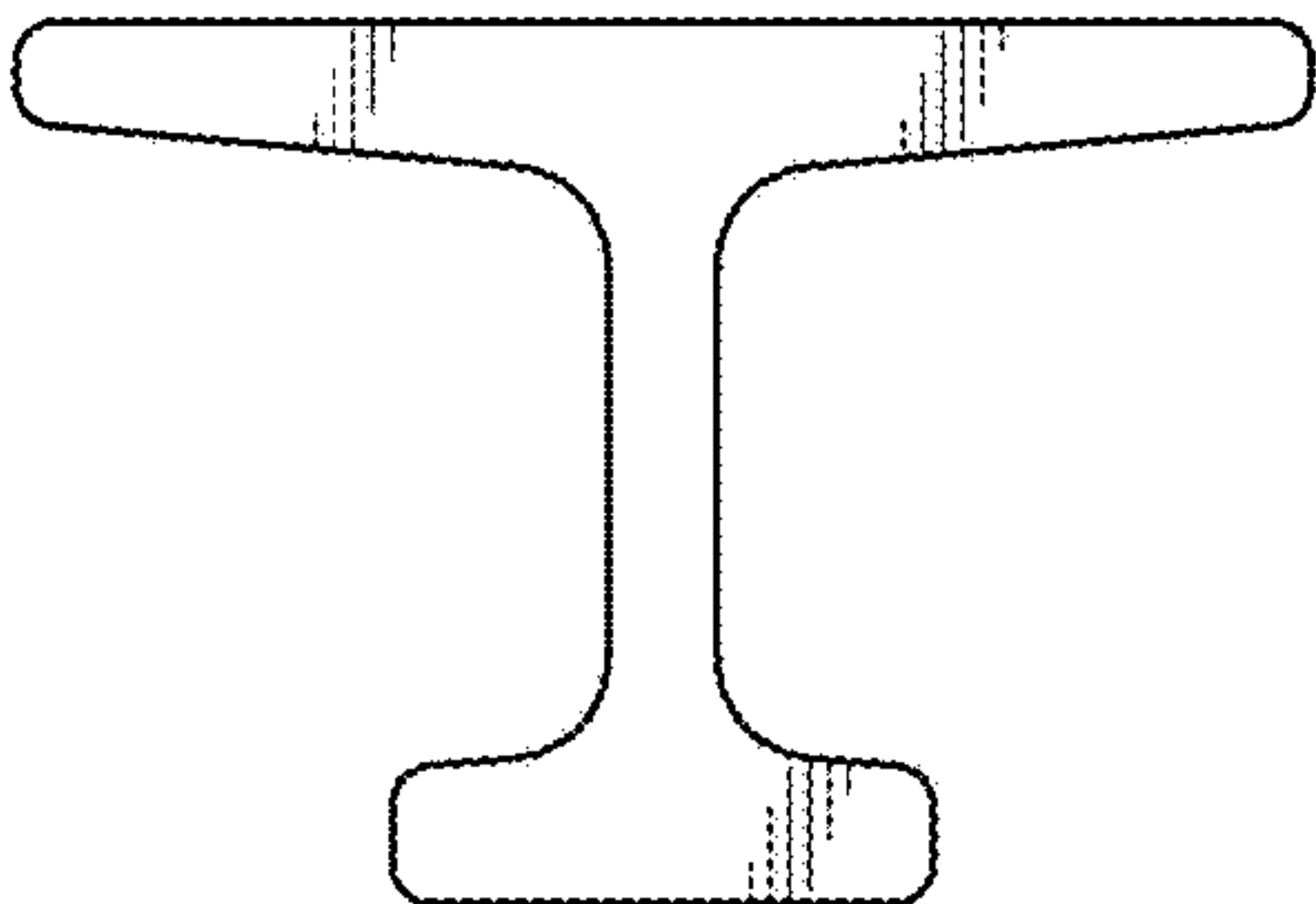


FIG. 3

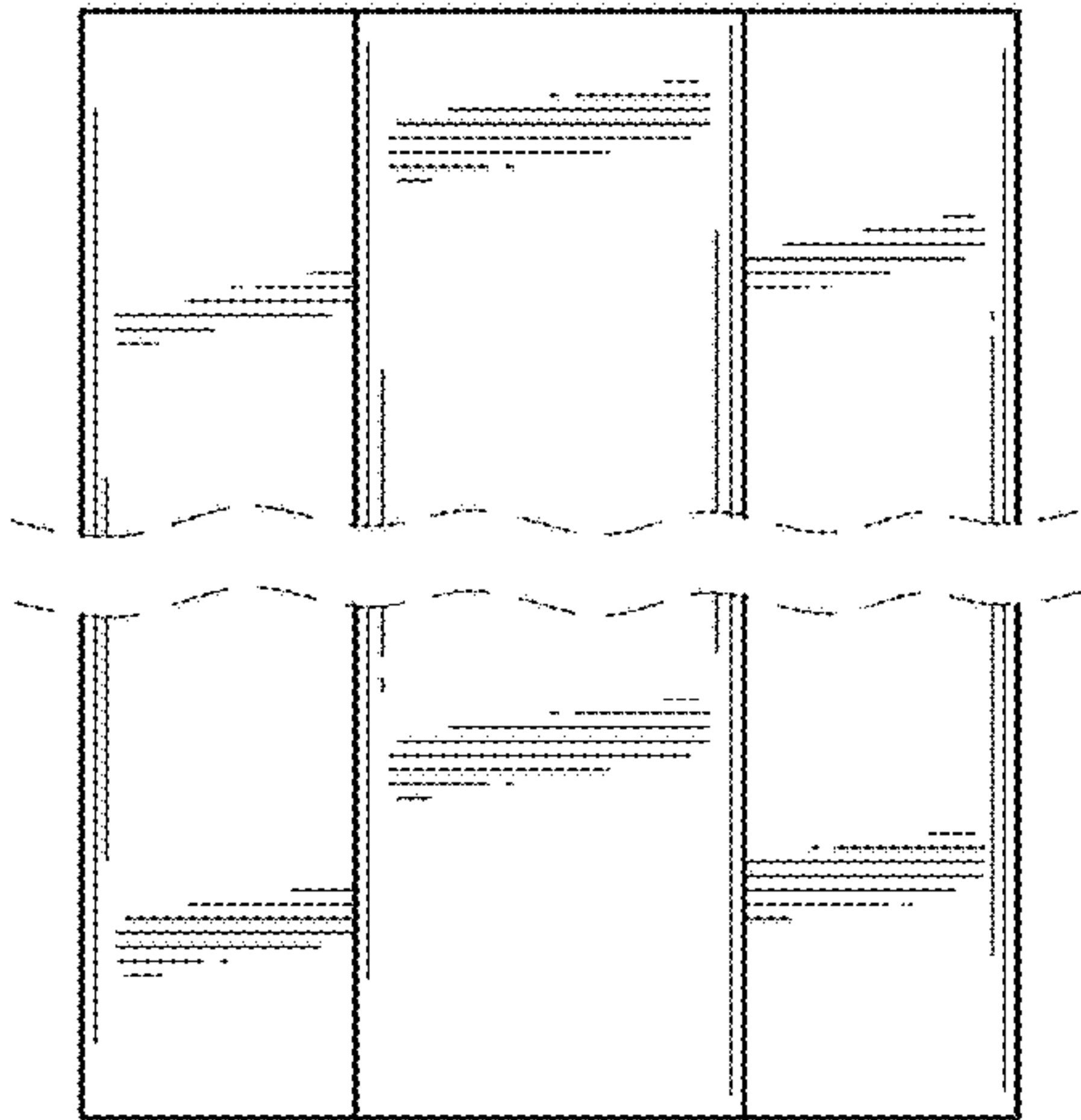


FIG. 4

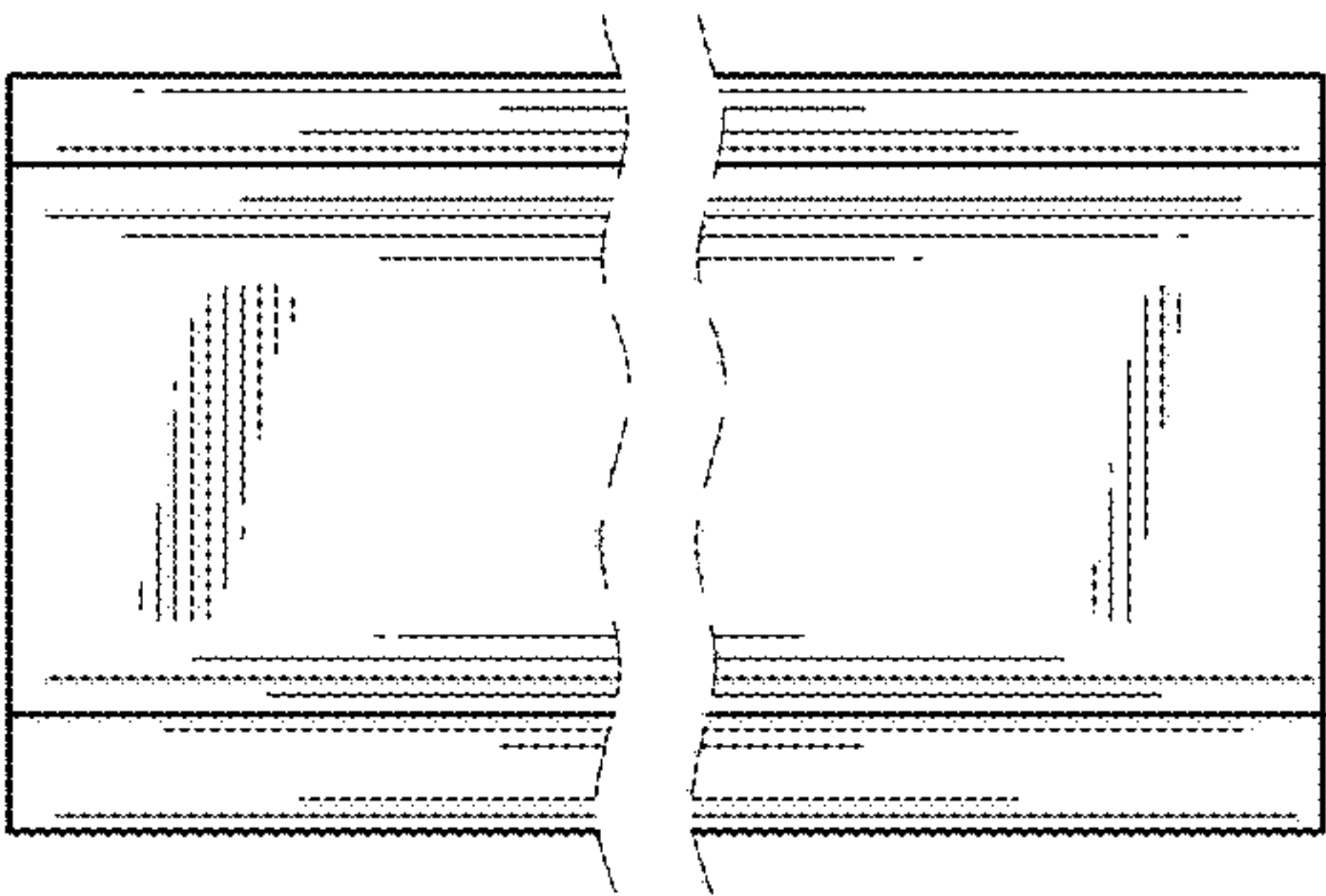


FIG. 5