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(12) **United States Design Patent** (10) **Patent No.:** **US D970,339 S**
Tao et al. (45) **Date of Patent:** **** Nov. 22, 2022**

(54) **TAMPER-EVIDENT BAG SEAL**

33/1691; B65D 31/10; B65D 2401/15;
B65B 7/2878; B65B 5/068; B65B 25/001

(71) Applicant: **Inno-Pak, LLC**, Delaware, OH (US)

See application file for complete search history.

(72) Inventors: **Denny V. Tao**, Katy, TX (US); **Nathan W. Schultz**, Westerville, OH (US);
Steven A. Mayer, Indianapolis, IN (US)

(56) **References Cited**

U.S. PATENT DOCUMENTS

(73) Assignee: **Inno-Pak, LLC**, Delaware, OH (US)

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

(21) Appl. No.: **29/836,371**

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1,410,404 A	3/1922	Haines	
1,537,956 A	5/1925	Meyers	
1,792,885 A	2/1931	Andrews	
2,050,967 A	8/1936	Farmer	
2,128,196 A	8/1938	Vogel	
2,149,030 A	2/1939	Arlington	
2,693,836 A	11/1954	Hayes	
2,846,134 A	8/1958	Esber	
2,934,255 A	4/1960	McDuffie	
3,141,601 A *	7/1964	Ayres	B65D 33/1691 383/61.1
3,203,621 A	8/1965	Wright	
D205,970 S	10/1966	Leiffield	
3,730,421 A *	5/1973	Stanley	B65D 77/36 383/78
3,770,188 A	11/1973	Bressickello	
D229,485 S	12/1973	Petersen	
3,811,613 A	5/1974	Harrison	
D233,083 S	10/1974	Rosa	
4,243,171 A	1/1981	Prin	
4,276,982 A	7/1981	Sibrava et al.	
D277,555 S	2/1985	Pattillo	
4,566,129 A *	1/1986	McNamee	B65D 33/1691 383/5
D290,025 S *	5/1987	Cole	D20/27
D293,694 S *	1/1988	Alden	D20/27
4,723,300 A	2/1988	Aranow	
4,785,940 A *	11/1988	Wilson	B65D 33/20 383/211
4,790,670 A	12/1988	Barbaro	
4,946,093 A *	8/1990	Moorman	B65D 5/4295 229/125.27
4,955,981 A	9/1990	Provost	
5,035,515 A	7/1991	Crossman et al.	
5,096,113 A	3/1992	Focke	
5,205,649 A *	4/1993	Fullerton	B65D 33/34 383/5
5,226,941 A	7/1993	Uibel et al.	
D372,864 S	8/1996	Hansen	
5,608,949 A	3/1997	Cooley et al.	
5,711,751 A	1/1998	Harmanoglu	
D394,675 S *	5/1998	Haas	D20/27
5,824,380 A	10/1998	Hagen	
5,881,432 A	3/1999	Good	

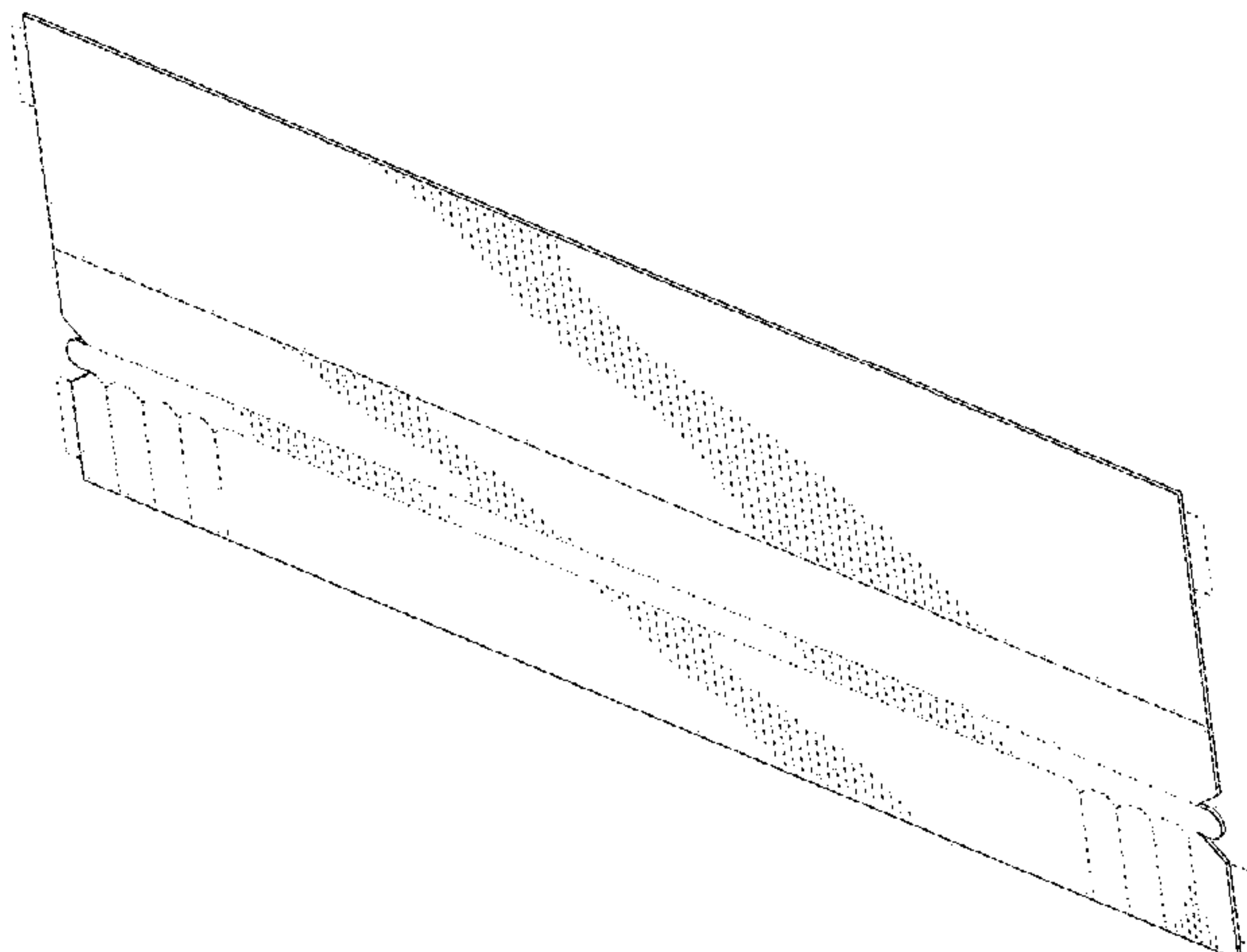
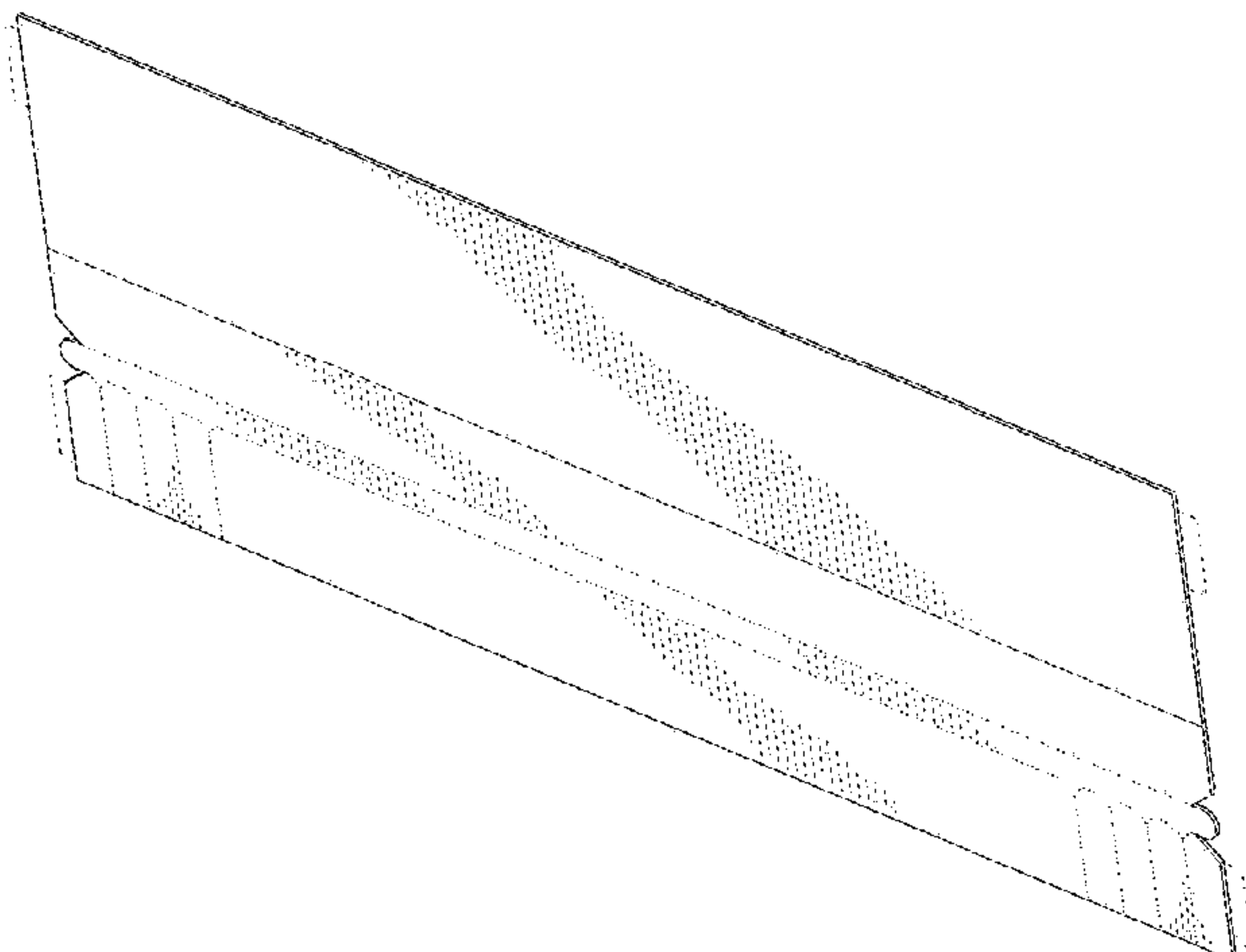
Related U.S. Application Data

(63) Continuation-in-part of application No. 17/683,560, filed on Mar. 1, 2022, which is a continuation of application No. 29/725,476, filed on Feb. 25, 2020, now Pat. No. Des. 949,686, application No. 29/836,371, filed on Apr. 26, 2022, which is a continuation-in-part of application No. 29/725,476, filed on Feb. 25, 2020, now Pat. No. Des. 949,686, which is a continuation-in-part of application No. 29/707,037, filed on Sep. 25, 2019, now Pat. No. Des. 949,010.

(51) **LOC (13) Cl.** **09-03**

(52) **U.S. Cl.**
USPC **D9/433; D9/456**

(58) **Field of Classification Search**
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D9/456, 499, 722, 721, 737, 748, 750,
D9/751, 757, 759, 761, 762; D20/10, 11,
D20/26, 22, 27, 40; D7/387, 393;
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CPC ... B65D 1/22; B65D 1/24; B65D 1/34; B65D
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6,176,615 B1 *	1/2001	Leimkuehler	B65D 75/5866 383/906
D438,797 S	3/2001	Bozlee	
D442,085 S	5/2001	Bozlee	
6,286,681 B1	9/2001	Wilfong et al.	
D451,389 S	12/2001	Bozlee	
6,361,209 B1	3/2002	LaRue et al.	
D462,904 S	9/2002	Mellon	
D501,134 S	1/2005	Takahashi et al.	
D502,872 S	3/2005	Fleming	
6,913,389 B2	7/2005	Kannankeril et al.	
D510,601 S *	10/2005	Best	D20/27
7,004,632 B2	2/2006	Hamilton et al.	
7,090,272 B2	8/2006	Novakovich	
7,427,161 B2	9/2008	Sill et al.	
8,033,447 B2	10/2011	Kato	
D739,766 S	9/2015	Glass et al.	
D751,907 S *	3/2016	Donadee	D9/434
9,434,513 B2	9/2016	Lux et al.	
9,630,748 B2	4/2017	Keller	
D786,976 S	5/2017	Keating	
D801,826 S	11/2017	O'Connor et al.	
D811,896 S	3/2018	Wigman et al.	
D812,490 S	3/2018	Wigman et al.	
D821,223 S	6/2018	Tan	
D826,043 S	8/2018	Dacey	
D828,763 S	9/2018	Tan	
D830,849 S	10/2018	Tan	
10,259,616 B2	4/2019	Korinek et al.	
D860,807 S	9/2019	Sill	
D894,799 S *	9/2020	Burroughs	D12/162
D949,010 S *	4/2022	Sill	D9/433
D949,686 S *	4/2022	Tao	D9/433
2003/0215165 A1 *	11/2003	Hogan	B65D 33/34 383/66
2005/0041894 A1	2/2005	Hanson	
2005/0047686 A1	3/2005	Elsaesser	
2006/0045390 A1	3/2006	Sill	
2006/0072855 A1 *	4/2006	Shaw	B65D 33/1691 383/5
2006/0196787 A1	9/2006	Lewis	
2007/0292053 A1	12/2007	Lin et al.	
2008/0181538 A1 *	7/2008	Shaw	B65D 33/34 383/34
2013/0315507 A1	11/2013	Vidal et al.	
2015/0360821 A1	12/2015	Greenwood et al.	
2017/0166357 A1	6/2017	Chandaria	
2019/0112116 A1	4/2019	Su et al.	
2019/0352055 A1 *	11/2019	Tan	B65D 33/24
2021/0086950 A1	3/2021	Sill	
2022/0153478 A1 *	5/2022	Mayer	B65D 33/34

FOREIGN PATENT DOCUMENTS

CN	2347943 Y	11/1999
DE	2733041 A1	2/1978
DE	29500157 U1	2/1995
DE	19831584 A1	1/2000
DE	10-2009-007985 A1	2/2010
EP	0515086 A1	11/1992
FR	2838406 A1	10/2003
GB	487330 A	6/1938
JP	2017-061324 A	3/2017
NL	1040069 C2	8/2014
WO	2004071890 A1	8/2004

OTHER PUBLICATIONS

InnoPak Handled Paper Carry Out Bags: Announced [Oct. 28, 2020]. Site Visited [Jun. 1, 2022]. Available from Internet URL: <https://www.innopak.com/products/handled-paper-carry-out-bags/>.*

International Search Report and Written Opinion from International Application No. PCT/US2019/030891, dated Jul. 26, 2019, 13 pages.

* cited by examiner

Primary Examiner — Catherine S Posthauer
(74) *Attorney, Agent, or Firm* — Ward and Smith, P.A.;
Ryan K. Simmons

(57)

CLAIM

The ornamental design for a tamper-evident bag seal, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a tamper evident bag seal showing our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is bottom plan view thereof;
FIG. 4 is a perspective view of the tamper evident bag seal of FIG. 1 shown in a partially folded configuration;
FIG. 5 is another perspective view of the tamper evident bag seal of FIG. 4;
FIG. 6 is a front elevation view thereof;
FIG. 7 is a rear elevation view thereof;
FIG. 8 is a left side elevation view thereof, the right side being a mirror image;
FIG. 9 is a top plan view thereof;
FIG. 10 is bottom plan view thereof;
FIG. 11 is another perspective view of the tamper evident bag seal of FIG. 1 shown as installed on a bag in a sealed configuration;
FIG. 12 is a front elevation view thereof;
FIG. 13 is a rear elevation view thereof;
FIG. 14 is a left side elevation view thereof, the right side being a mirror image;
FIG. 15 is a top plan view thereof;
FIG. 16 is another perspective view of the tamper evident bag seal of FIG. 11 shown as installed on a bag in an unsealed or tampered evident configuration;
FIG. 17 is a front elevation view thereof;
FIG. 18 is a rear elevation view thereof;
FIG. 19 is a left side elevation view thereof, the right side being a mirror image;
FIG. 20 is a top plan view thereof;
FIG. 21 is another perspective view of the tamper evident bag seal of FIG. 11 shown as installed on a bag in a partially unsealed or tampered evident configuration;
FIG. 22 is a perspective view of a second embodiment of a tamper evident bag seal, showing our new design;
FIG. 23 is a top plan view thereof;
FIG. 24 is bottom plan view thereof;
FIG. 25 is a perspective view of a third embodiment of a tamper evident bag seal, showing our new design;
FIG. 26 is a top plan view thereof; and,
FIG. 27 is bottom plan view thereof.

The dotted lines are shown for the purpose of illustrating perforations that form part of the claimed design. The dash-dash broken lines are shown for the purpose of illustrating both parts of the article as well as environmental subject matter and form no part of the claimed design.

1 Claim, 27 Drawing Sheets

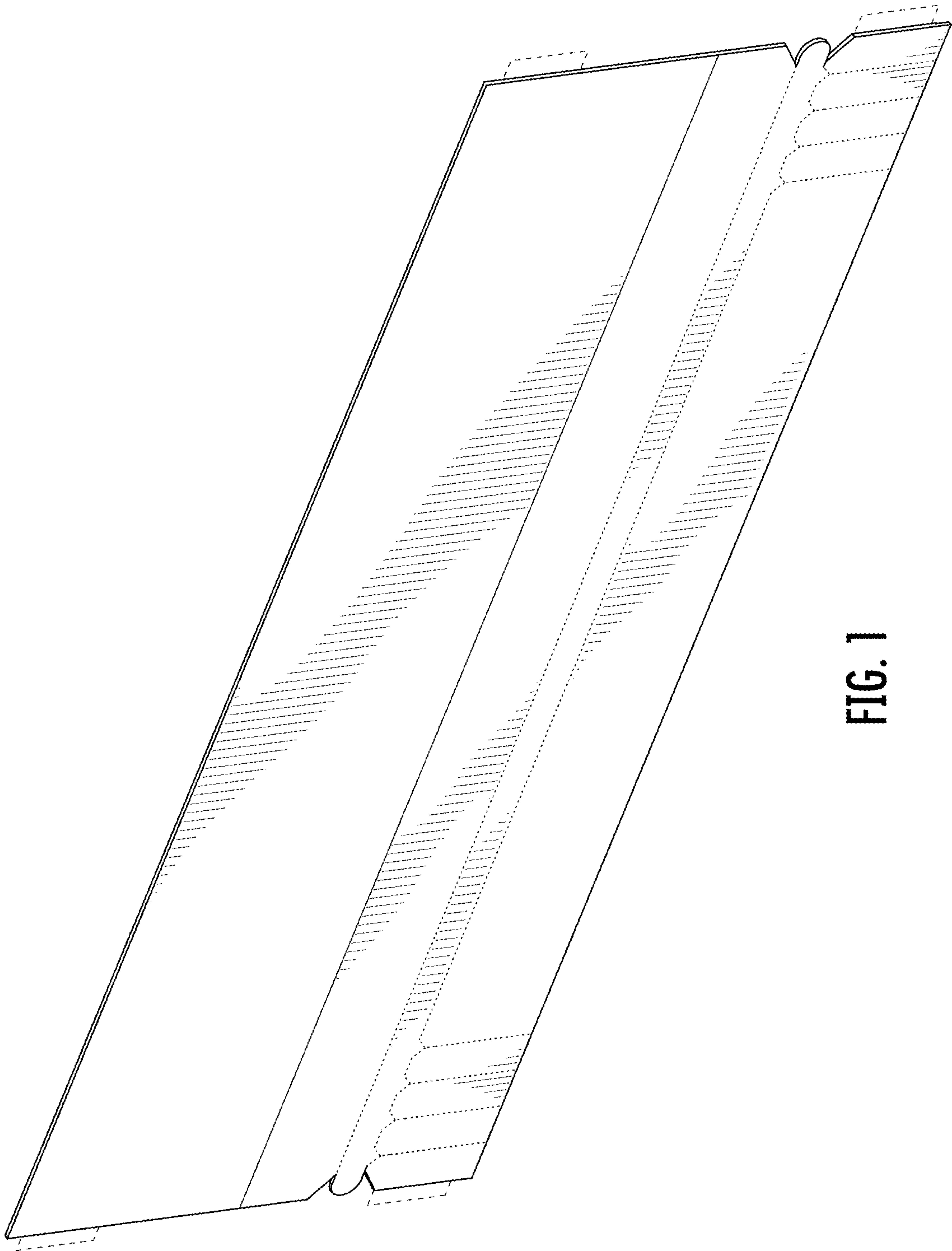


FIG. 1

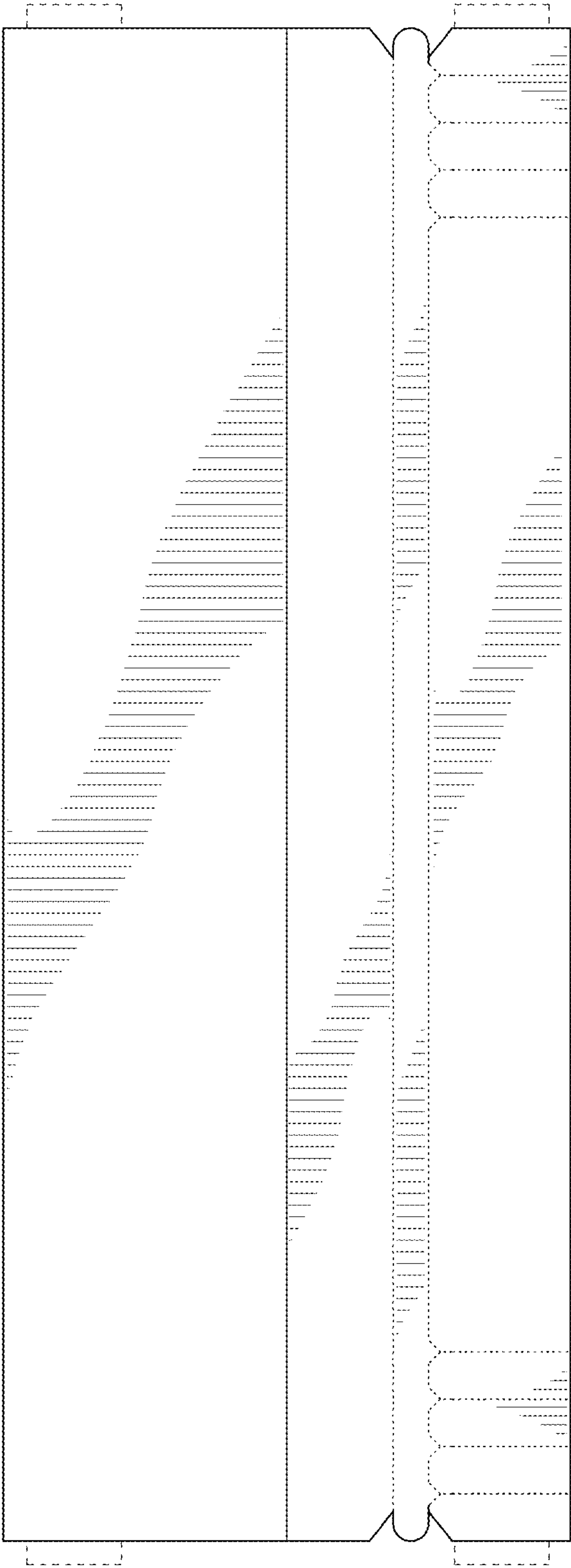


FIG. 2

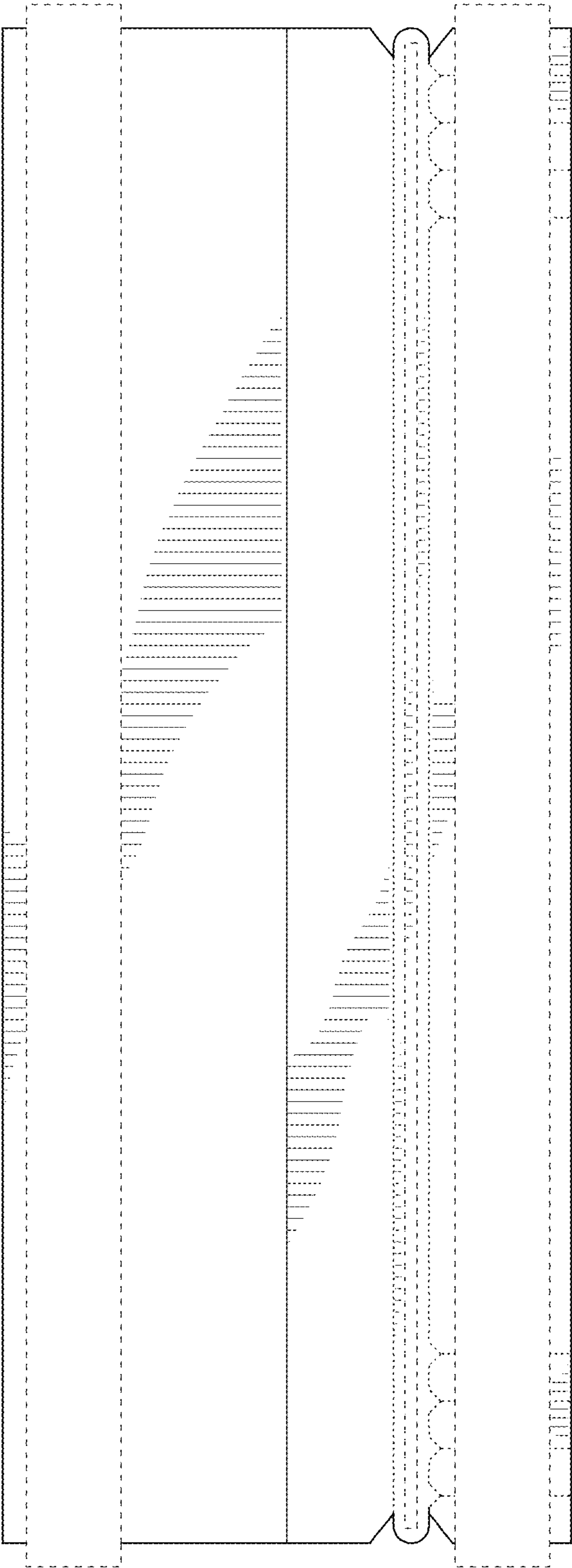


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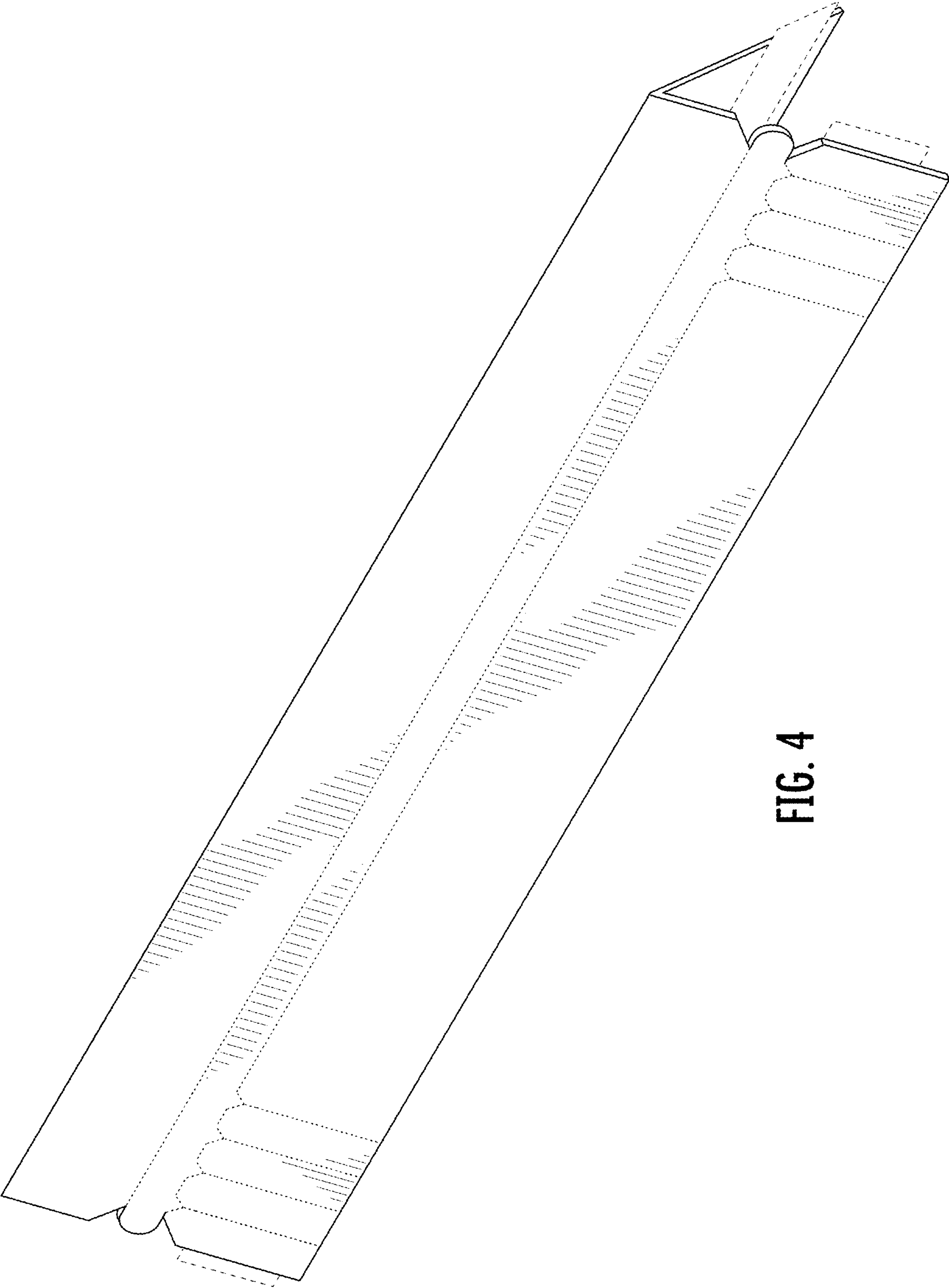


FIG. 4

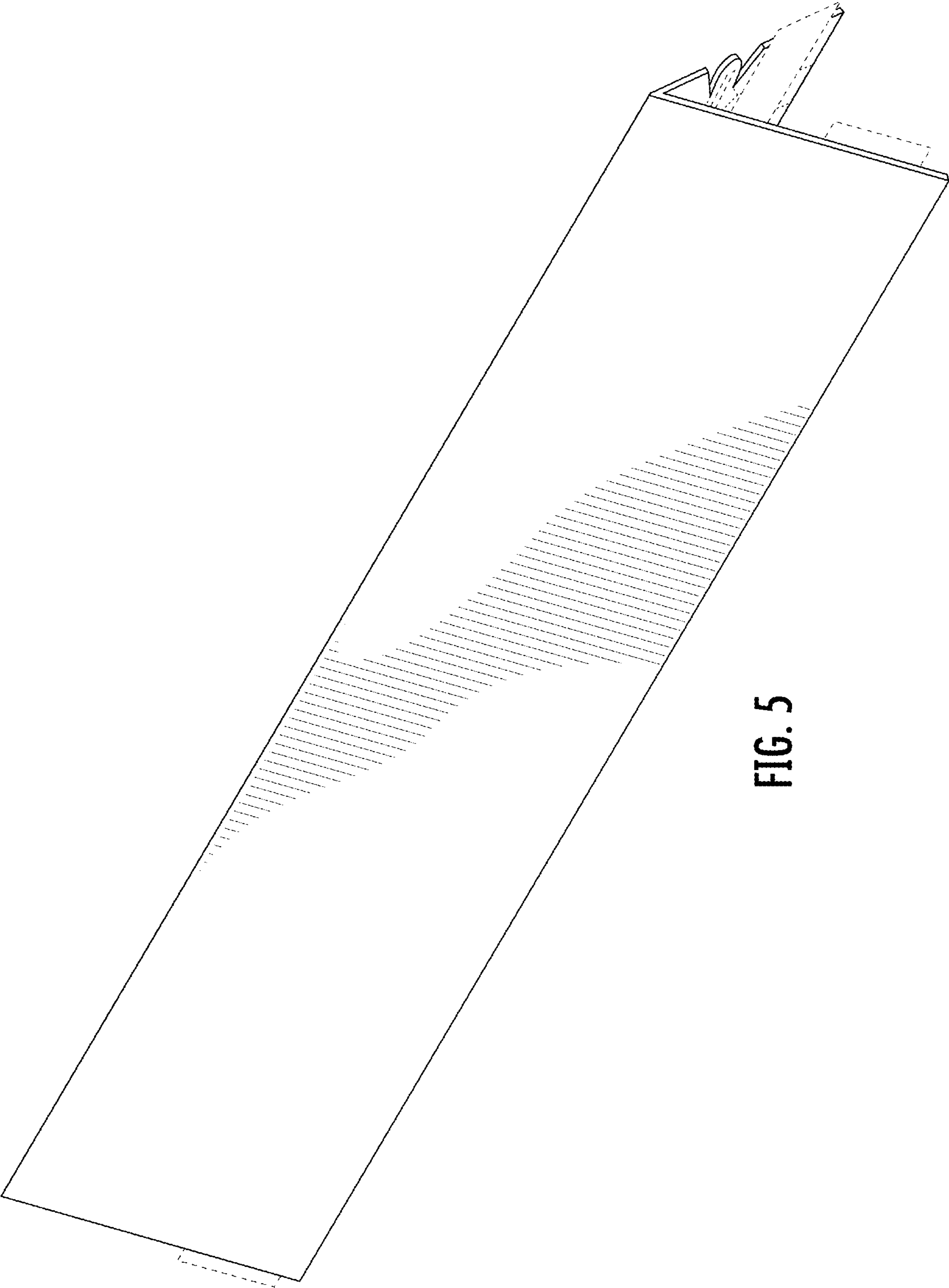


FIG. 5

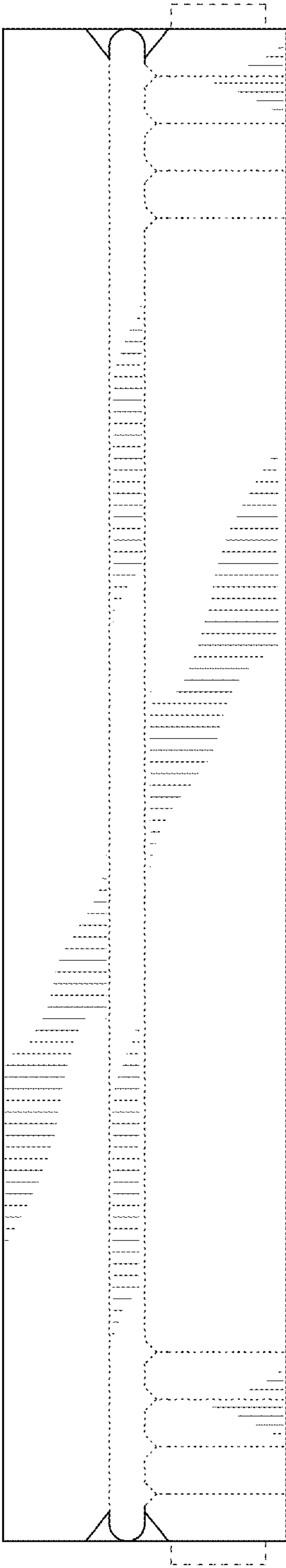


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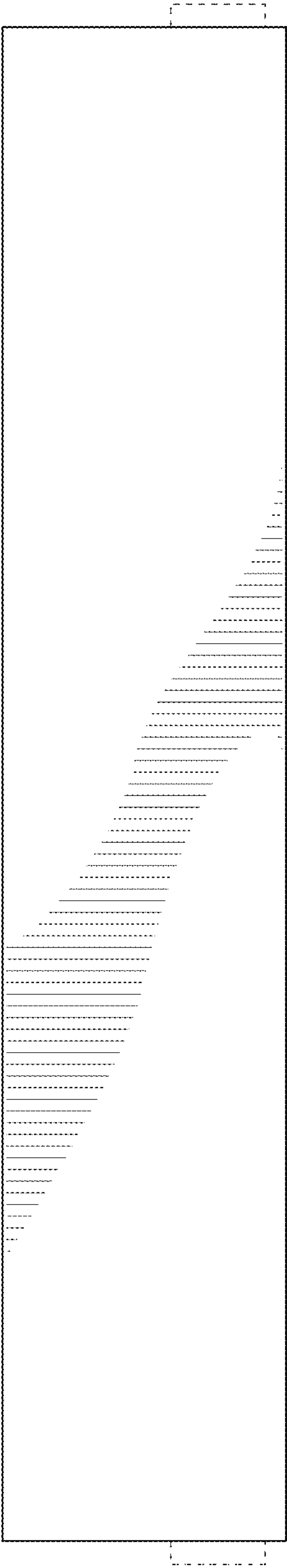


FIG. 7

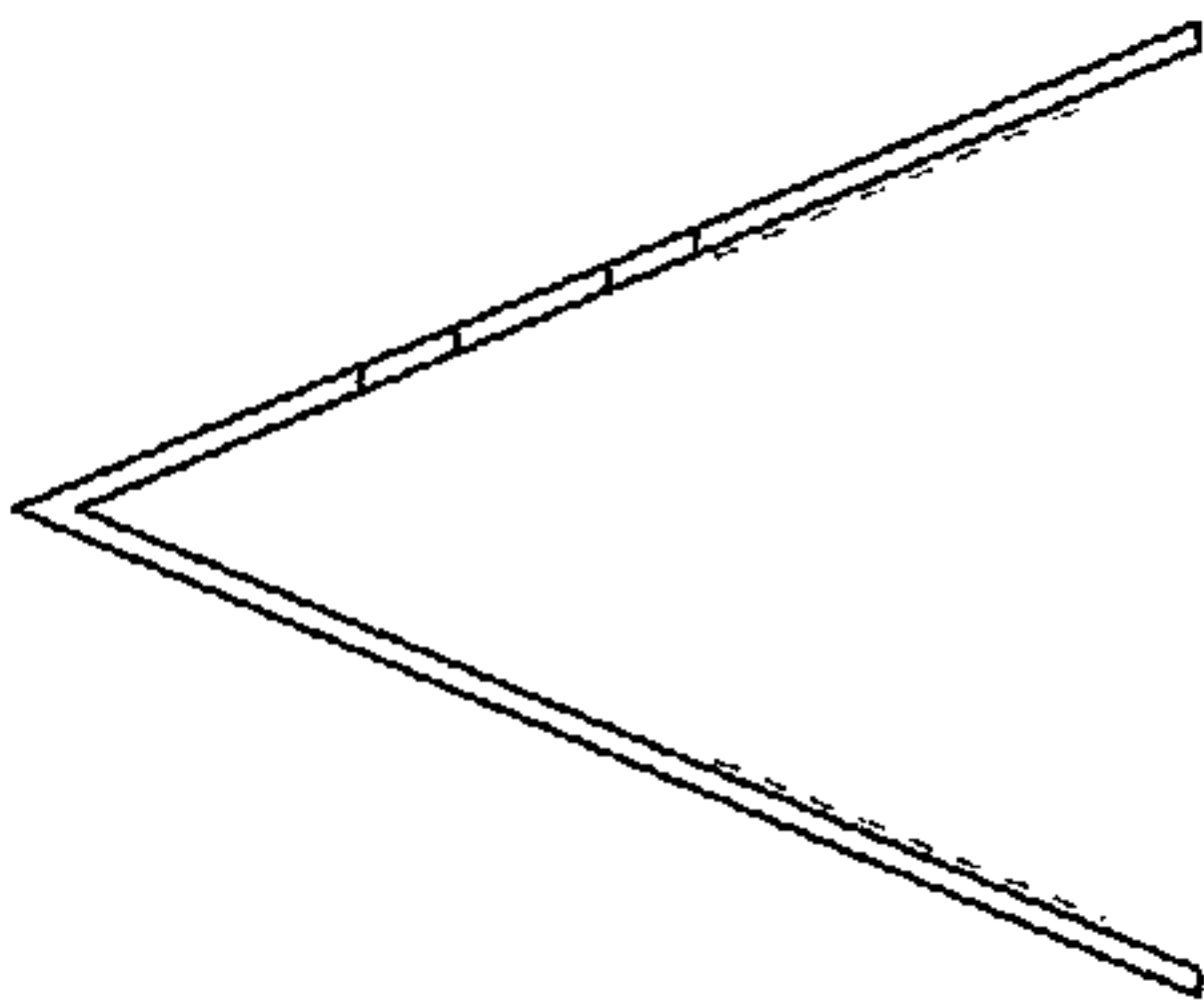


FIG. 8

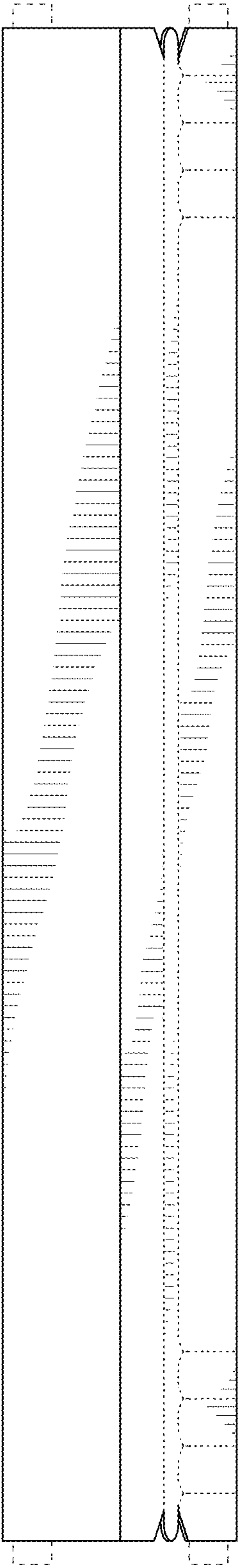


FIG. 9

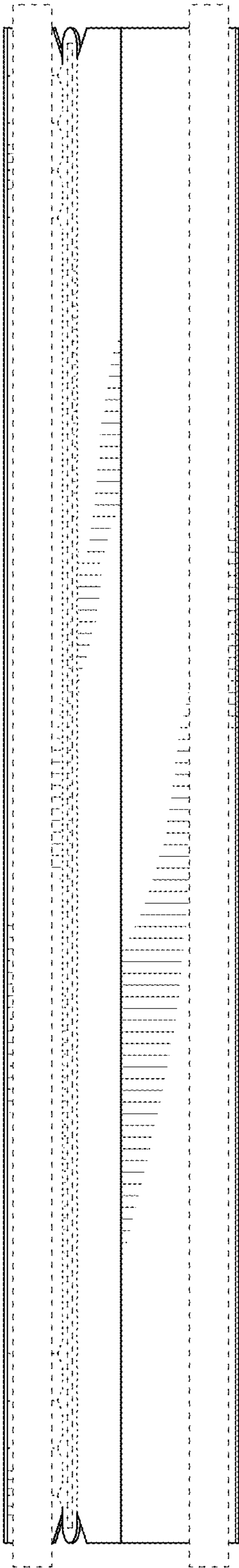


FIG. 10

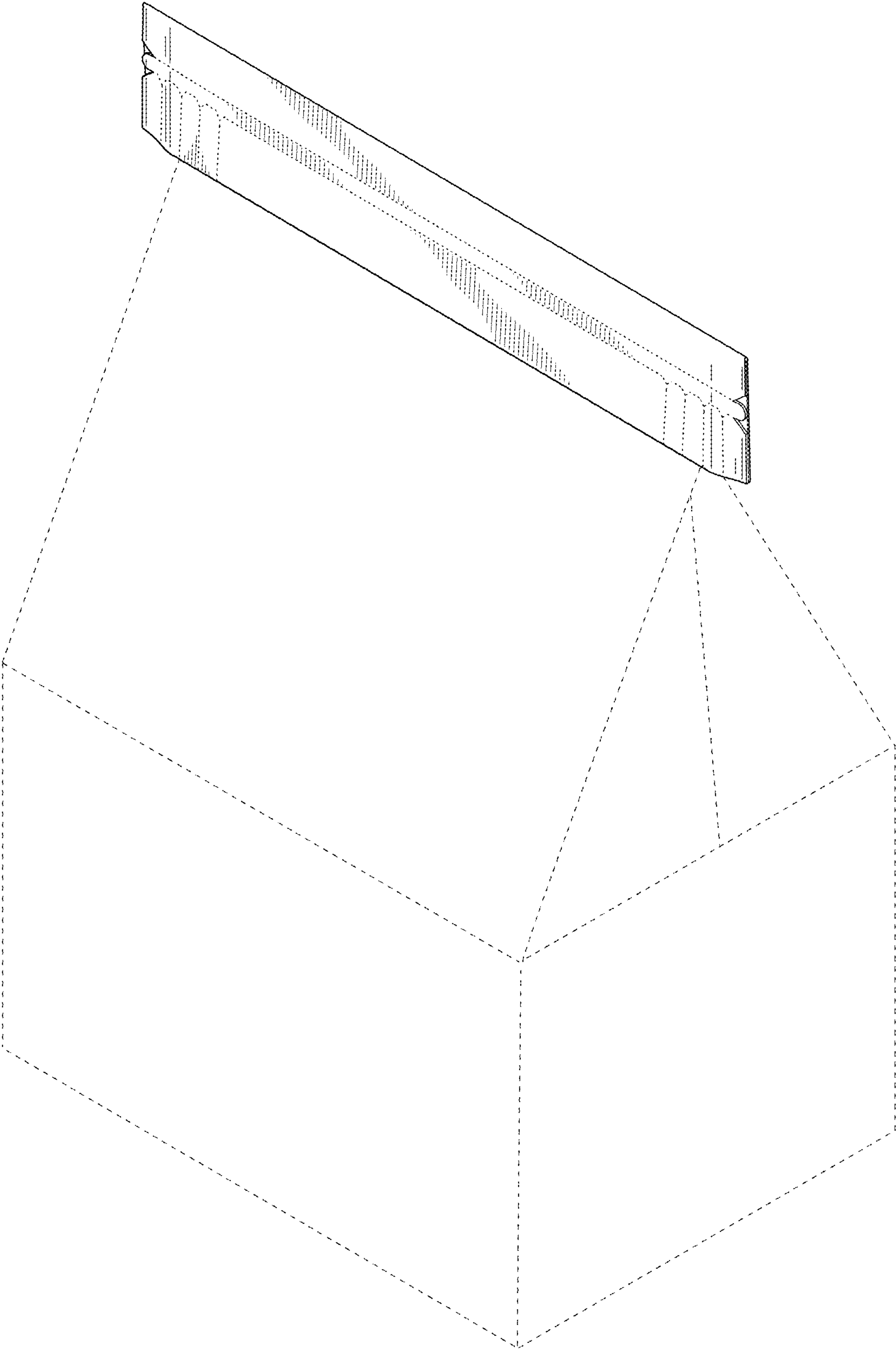


FIG. 11

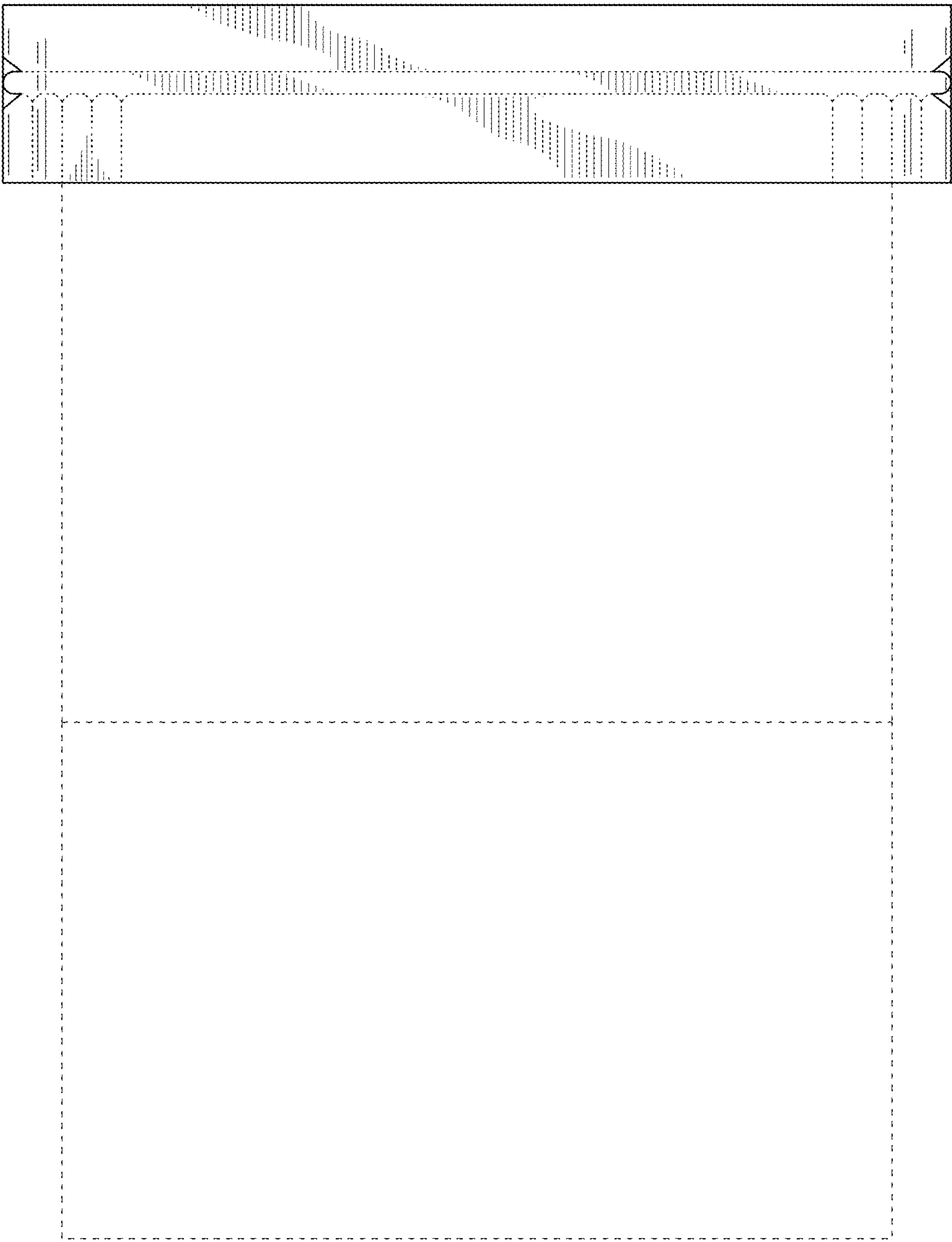


FIG. 12

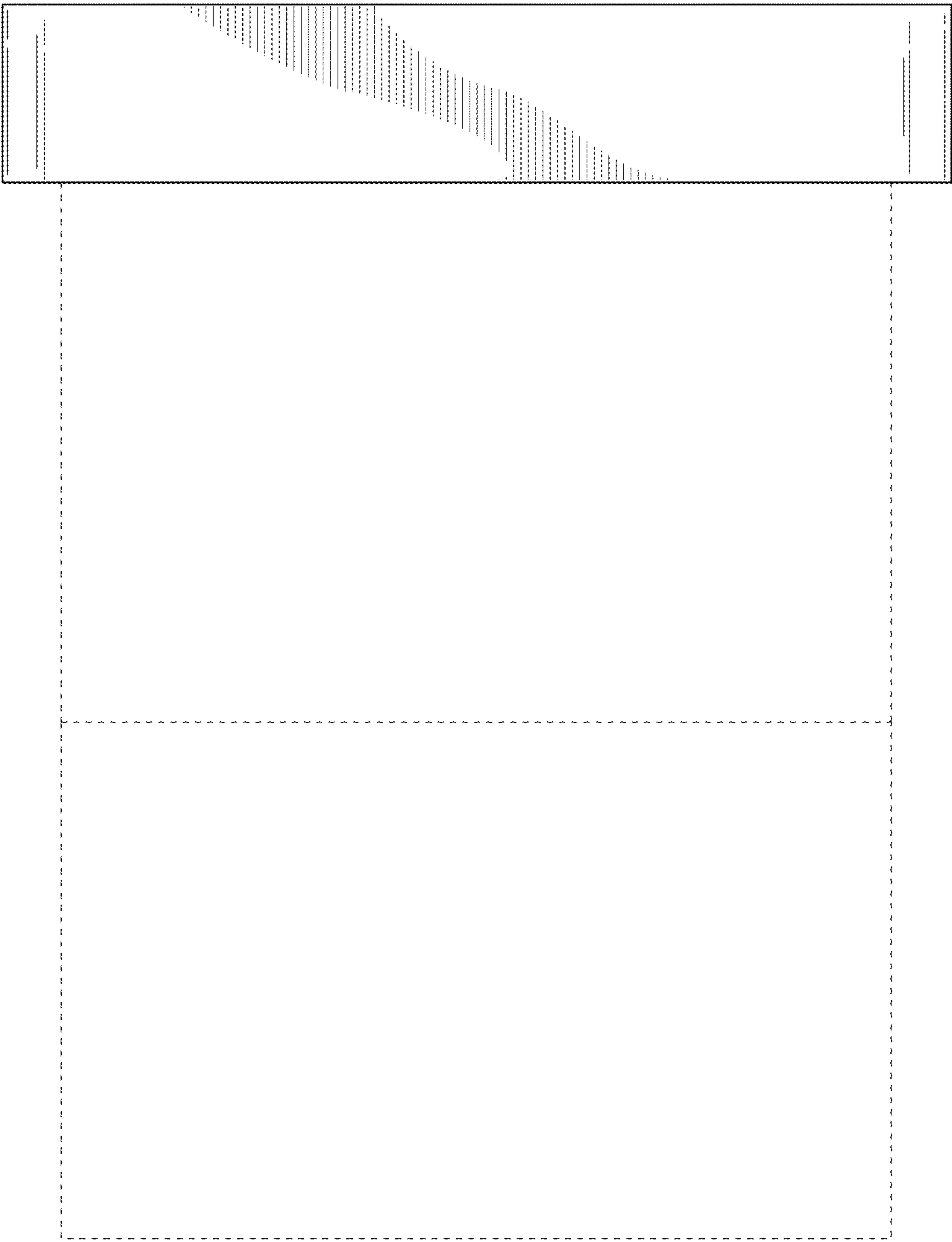


FIG. 13

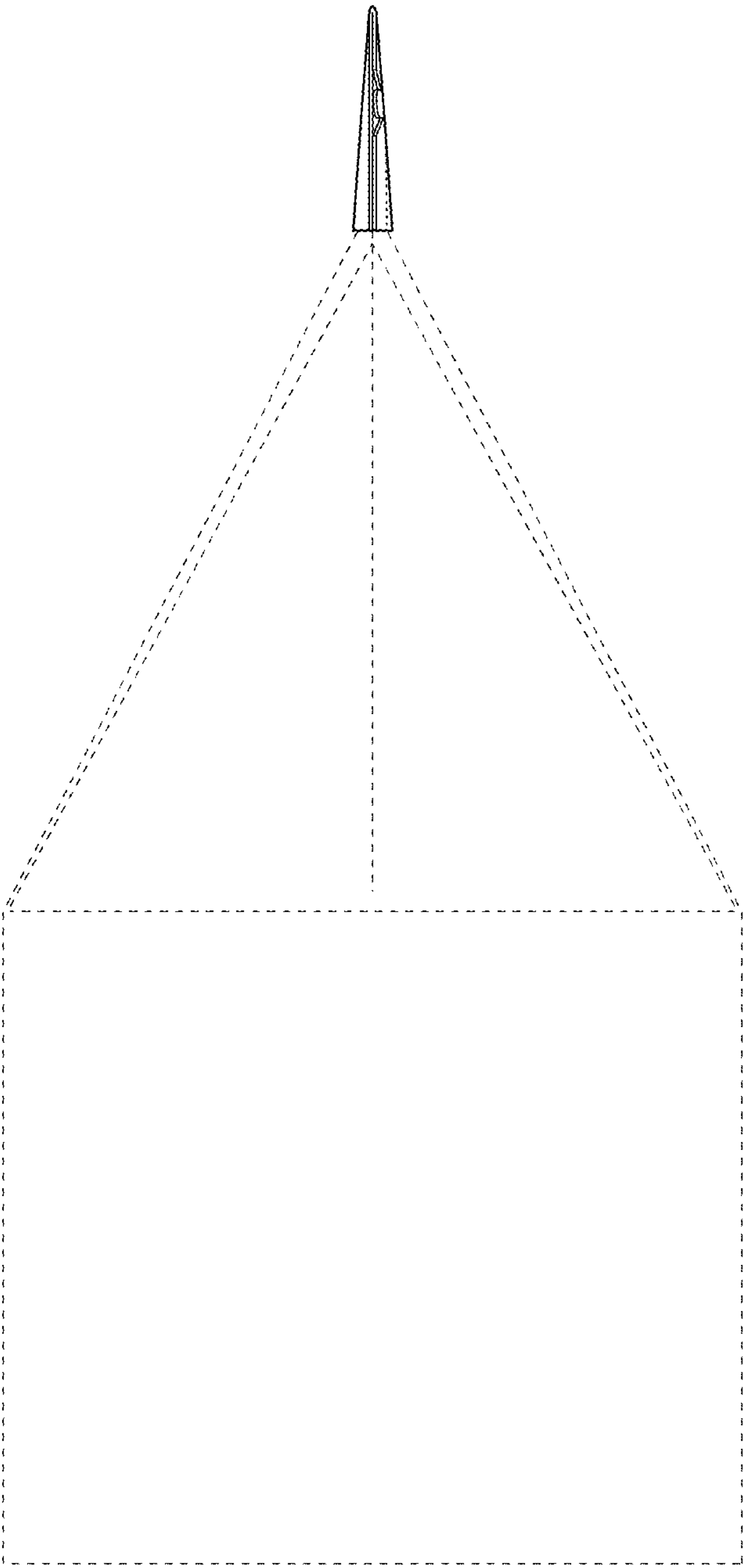


FIG. 14

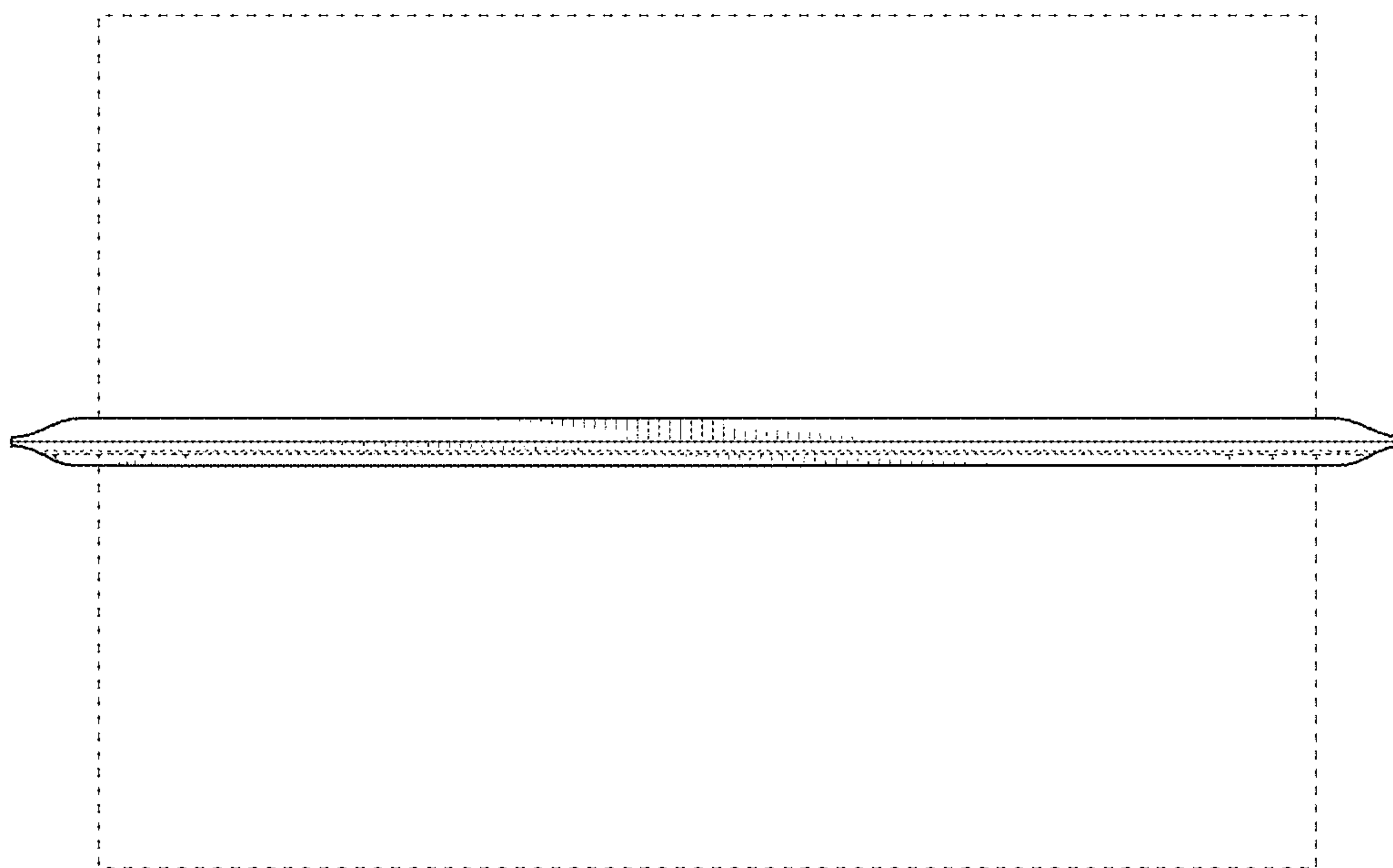


FIG. 15

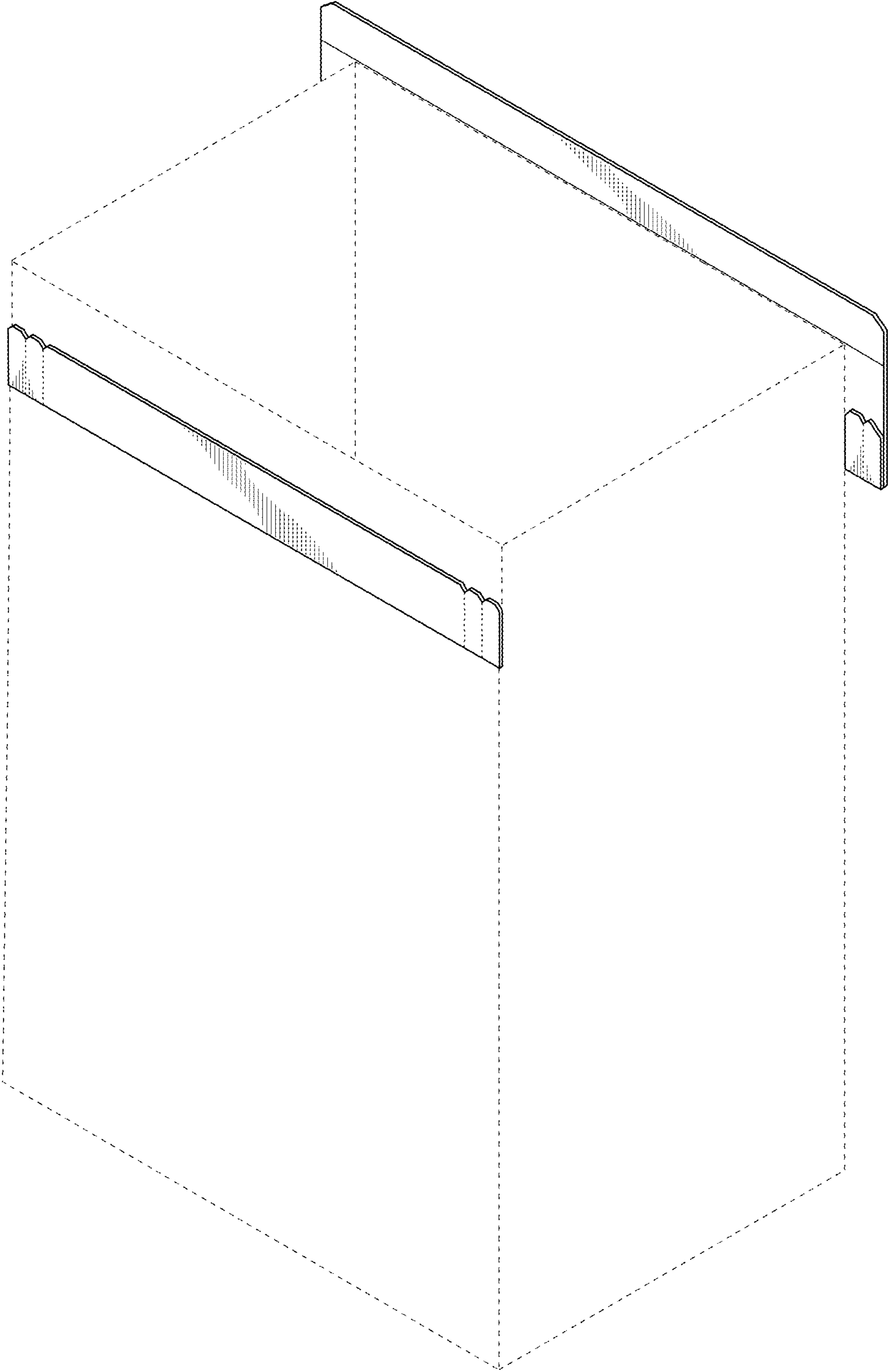


FIG. 16

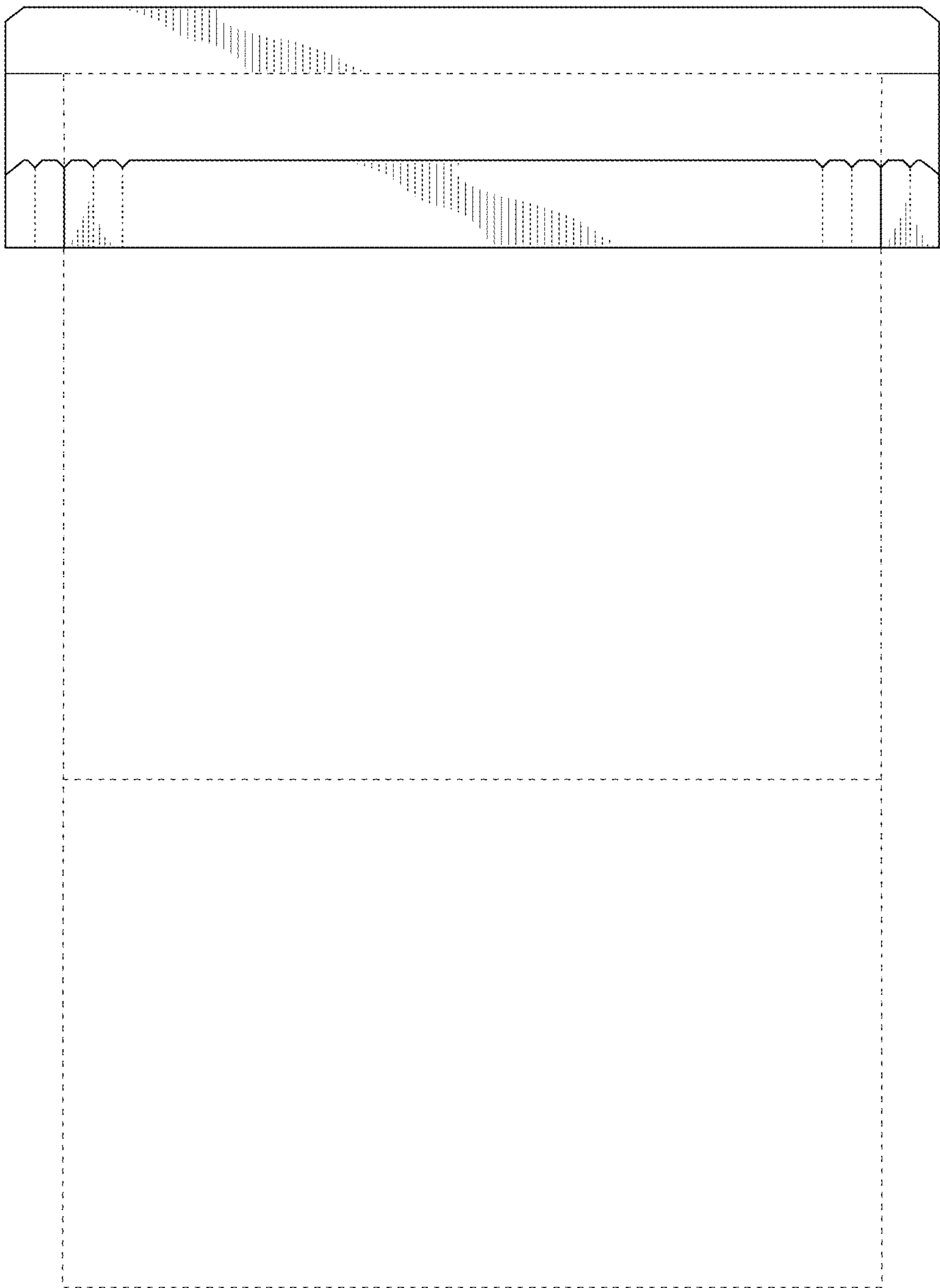


FIG. 17

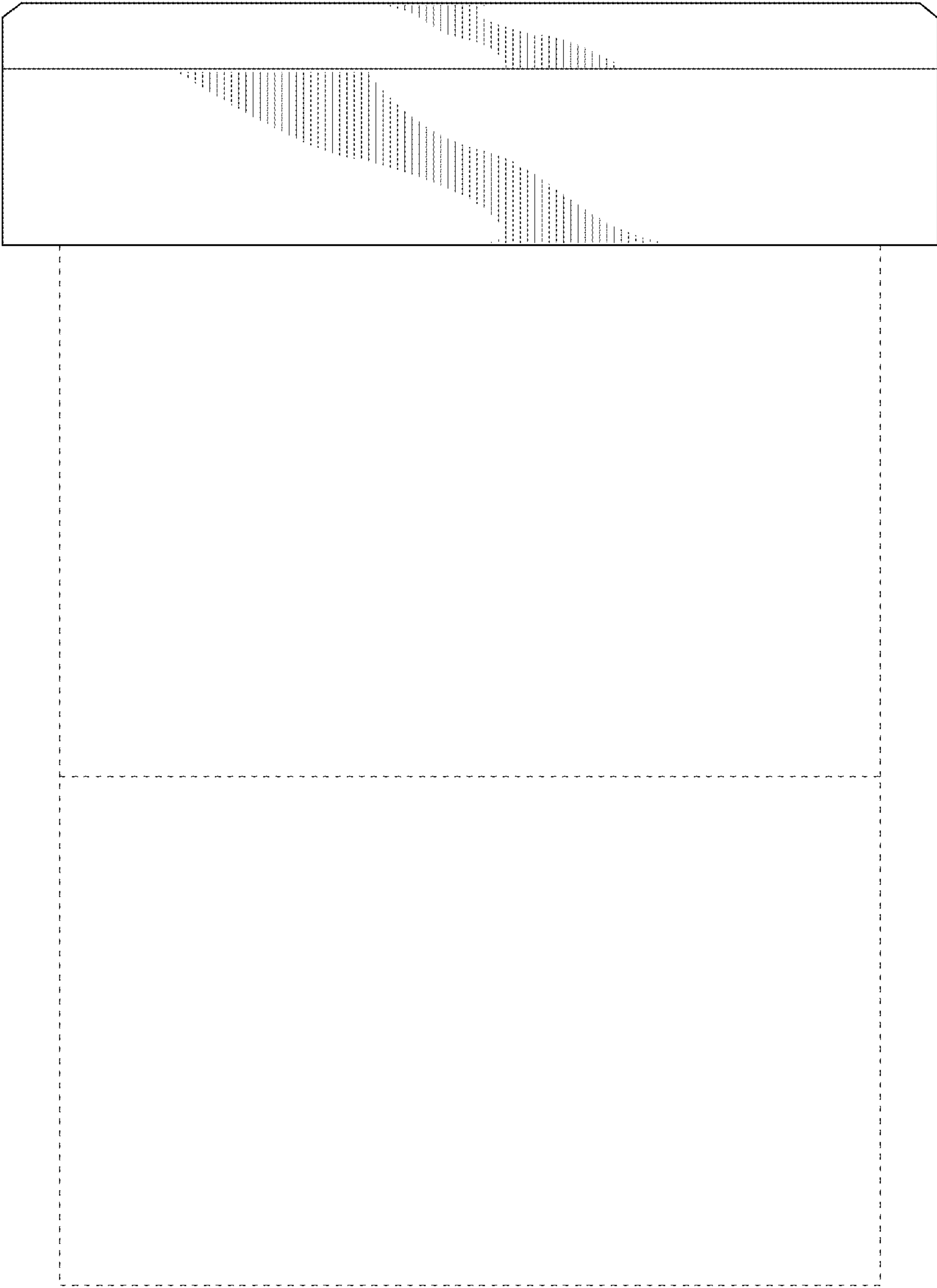


FIG. 18



FIG. 19

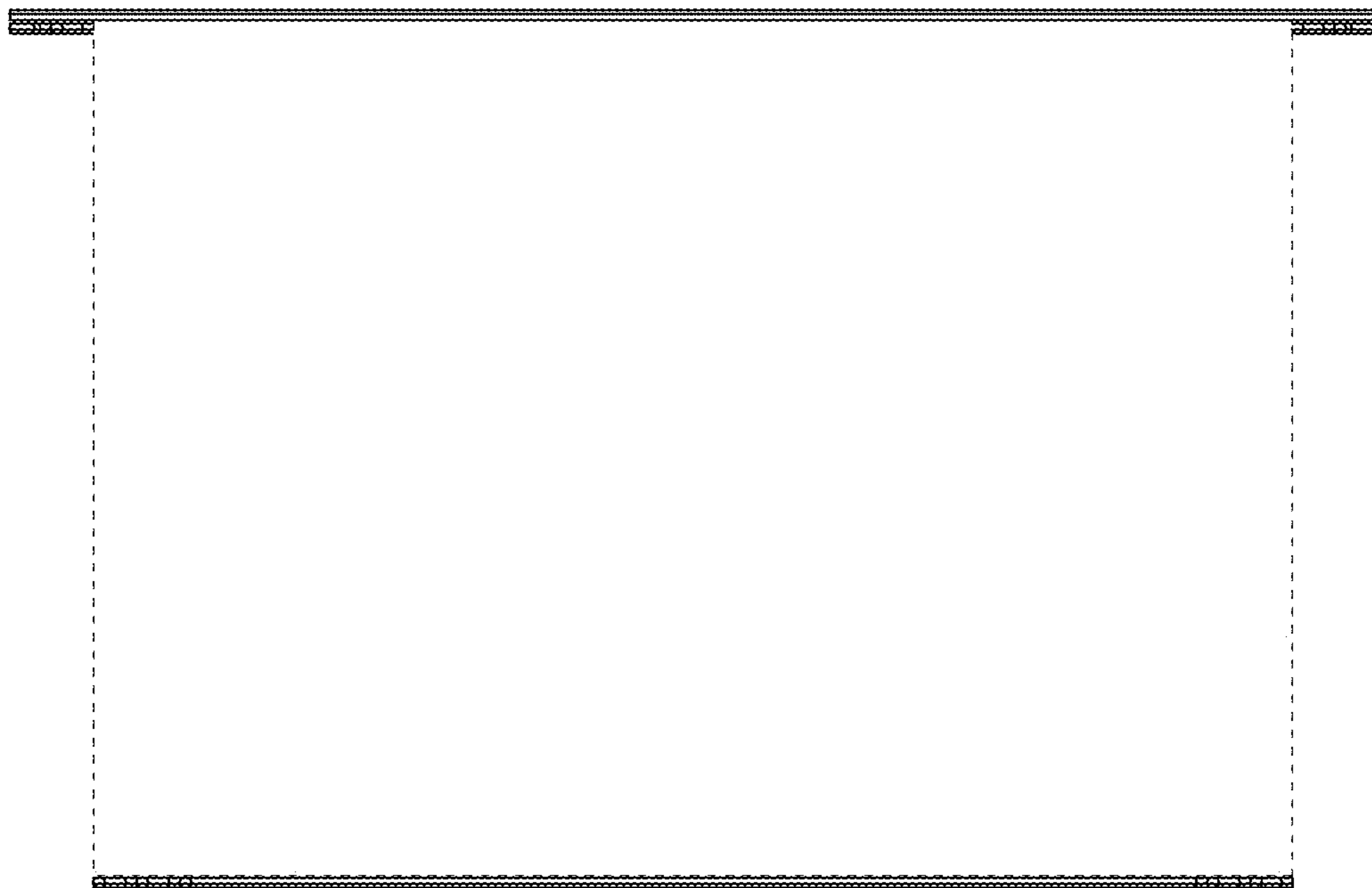


FIG. 20

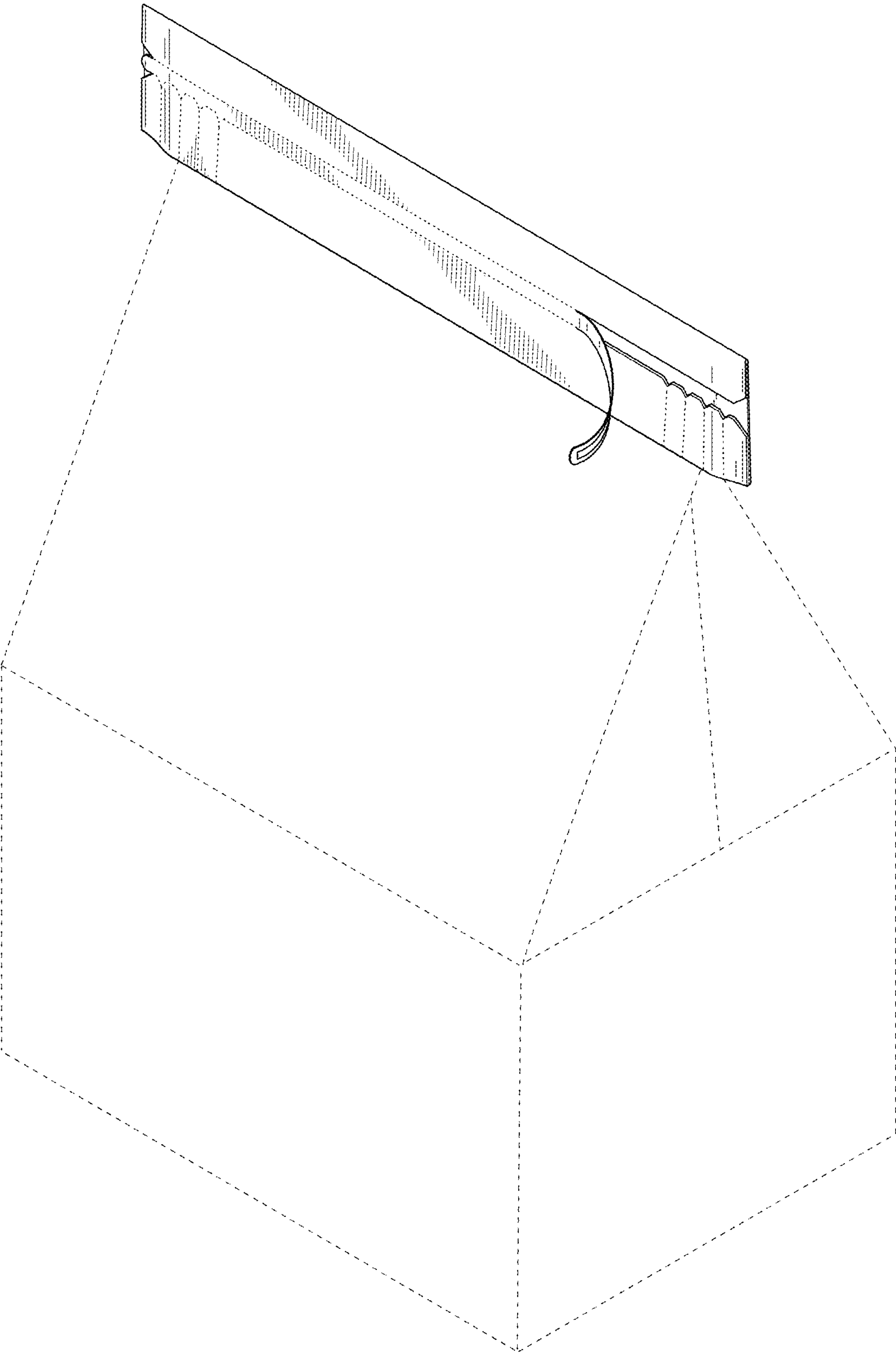


FIG. 21

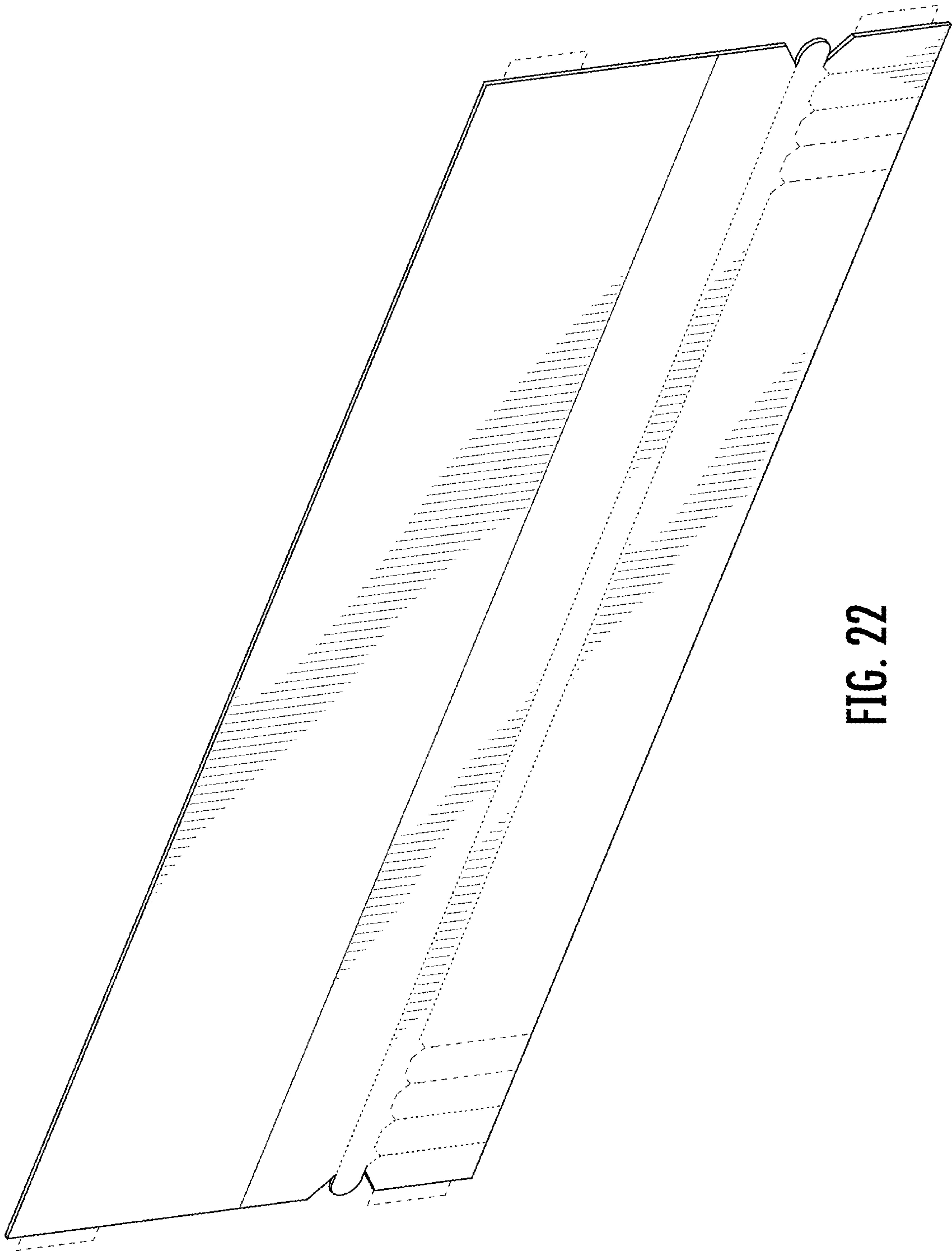


FIG. 22

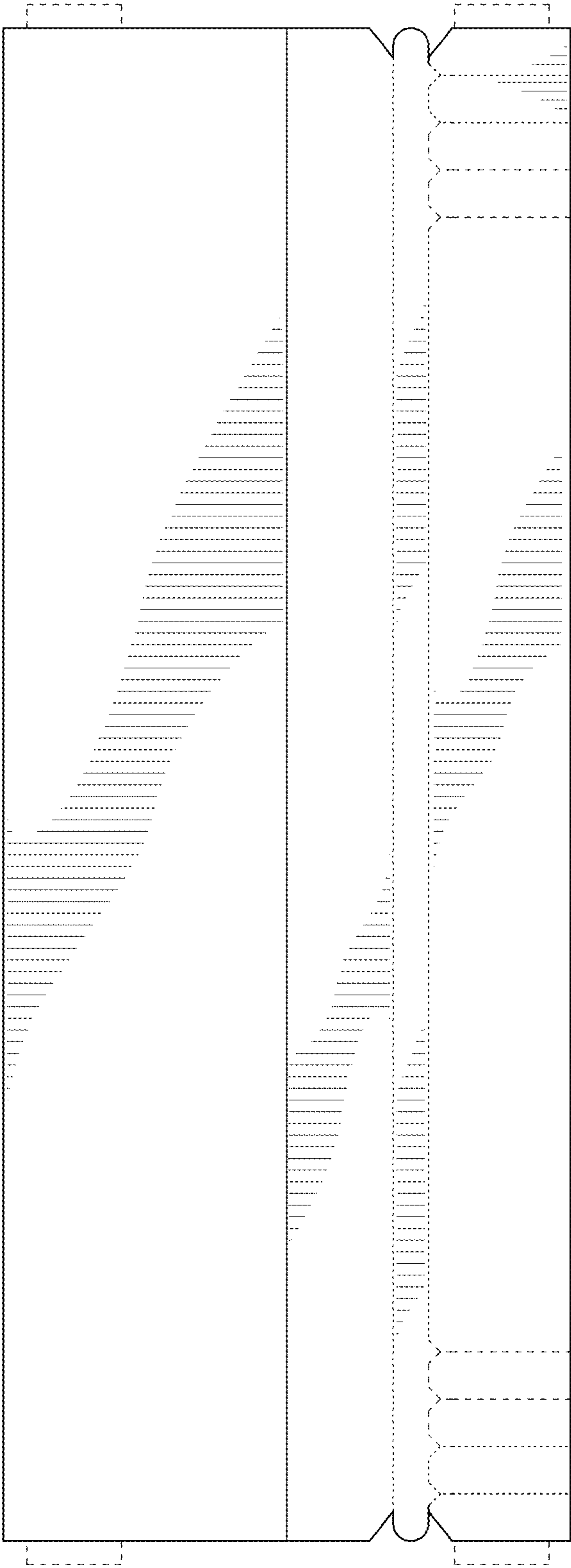


FIG. 23

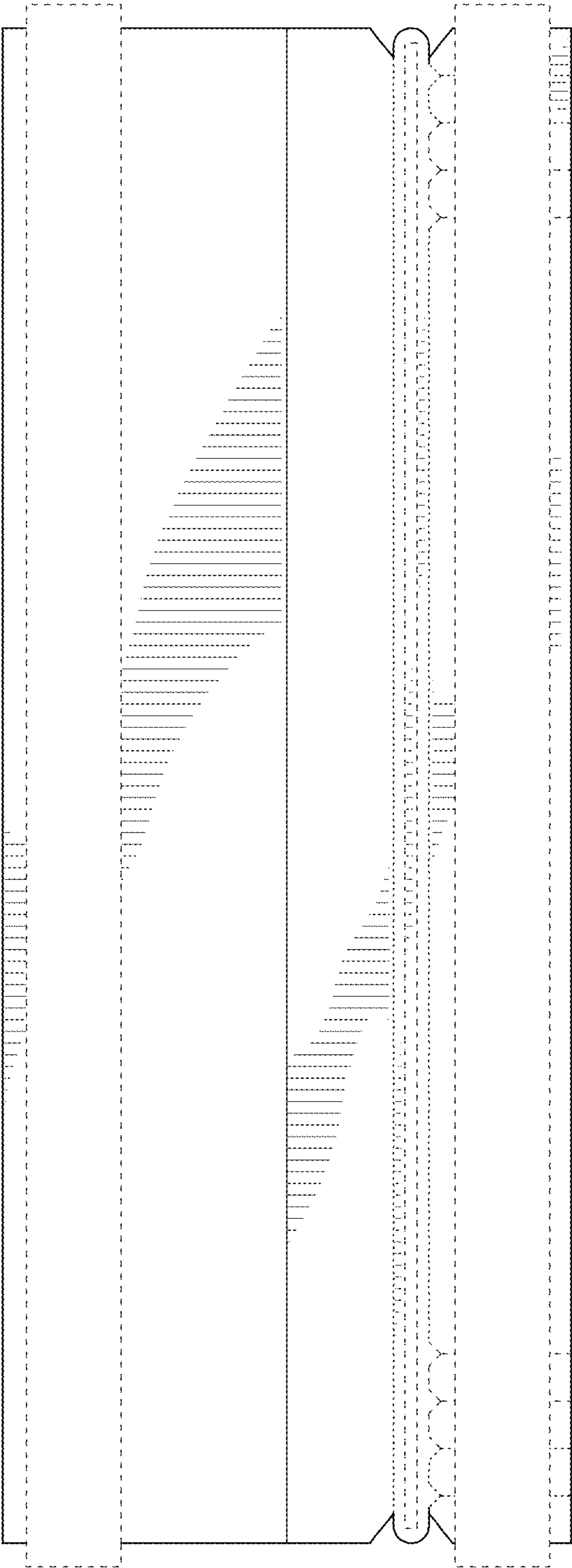


FIG. 24

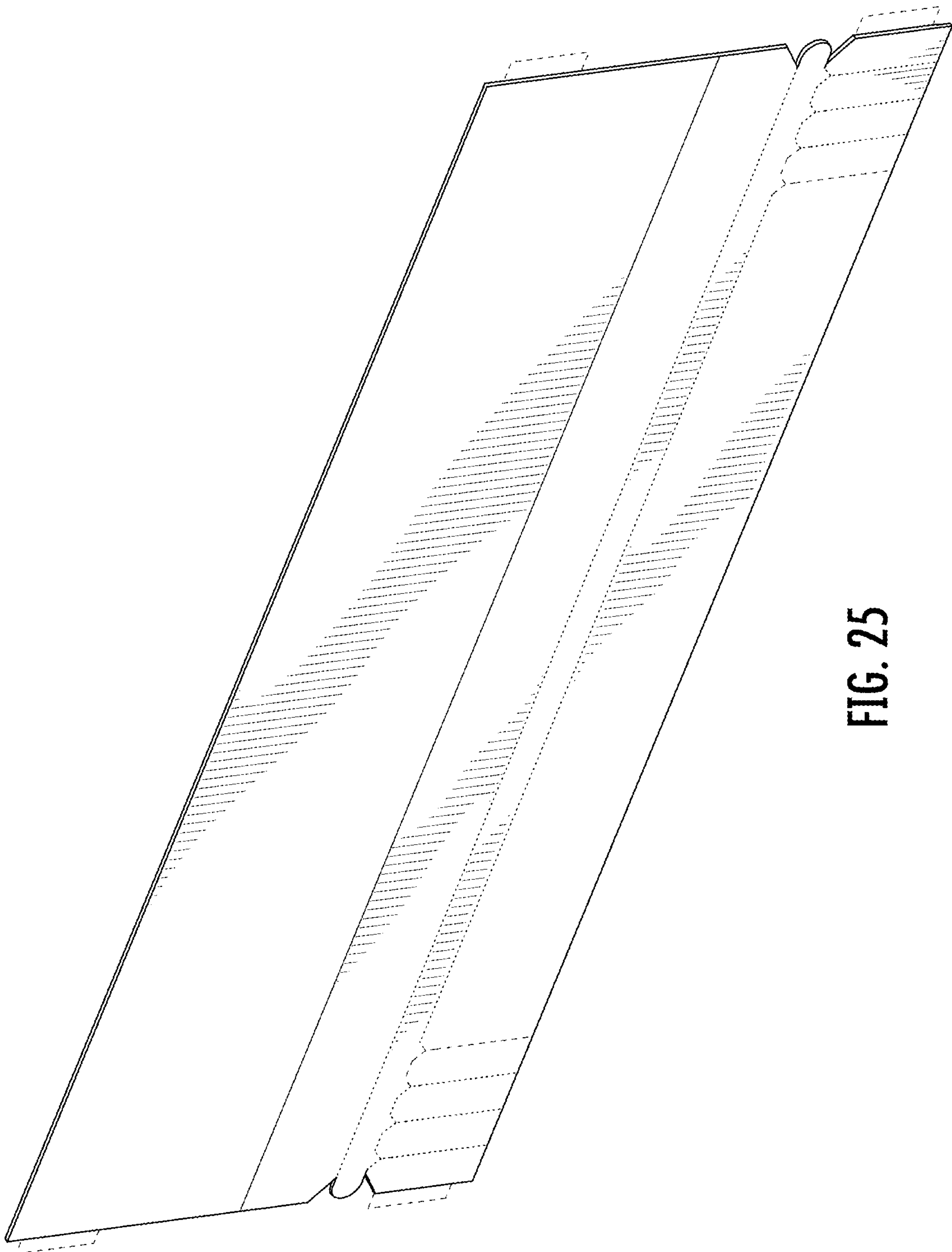


FIG. 25

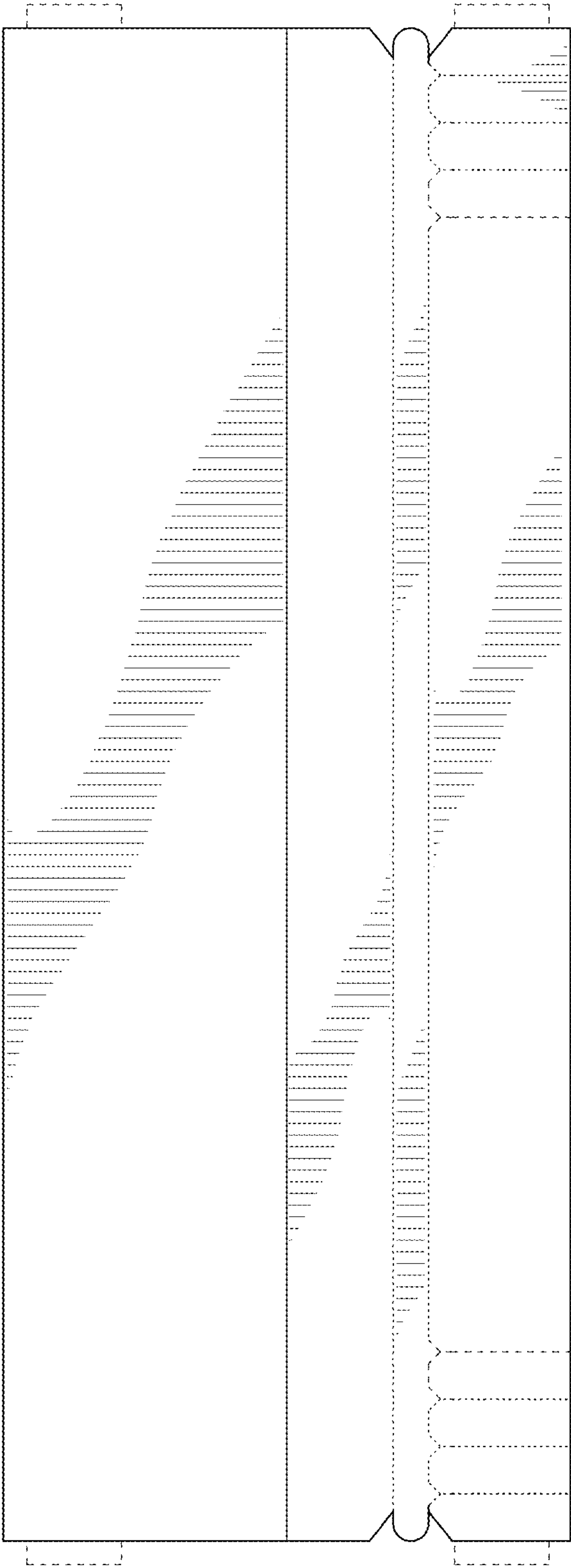


FIG. 26

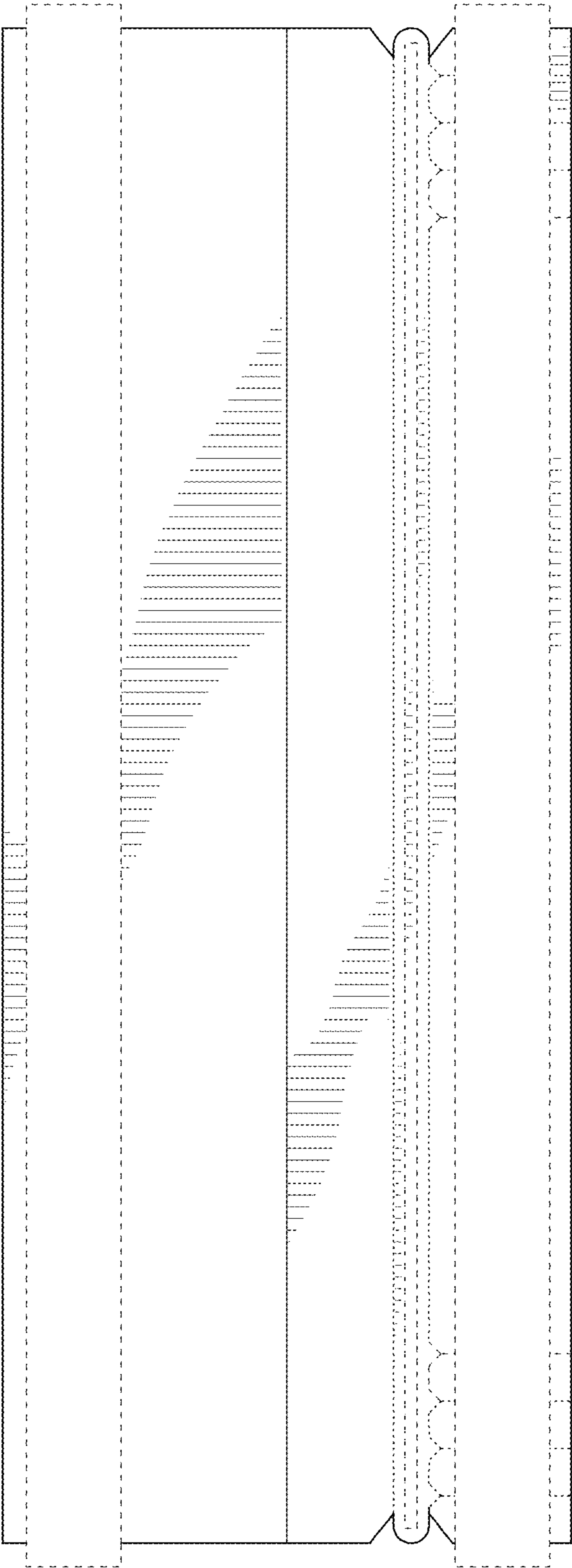


FIG. 27