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(12) **United States Design Patent** (10) **Patent No.:** **US D1,102,396 S**
Rile et al. (45) **Date of Patent:** **** Nov. 18, 2025**

(54) **LIGHT-EMITTING DEVICE PACKAGE**

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

(21) Appl. No.: **29/909,588**

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(51) **LOC (15) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/180**

(58) **Field of Classification Search**
USPC D13/180, 182; D26/1
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D521,947 S * 5/2006 Inoue D13/182
D521,948 S * 5/2006 Inoue D13/182
(Continued)

FOREIGN PATENT DOCUMENTS

TW D129759 S 7/2009
TW D167784 S 5/2015

OTHER PUBLICATIONS

Office Action for Taiwanese Patent Application No. 113300451,
mailed Jul. 10, 2024, 4 pages.

(Continued)

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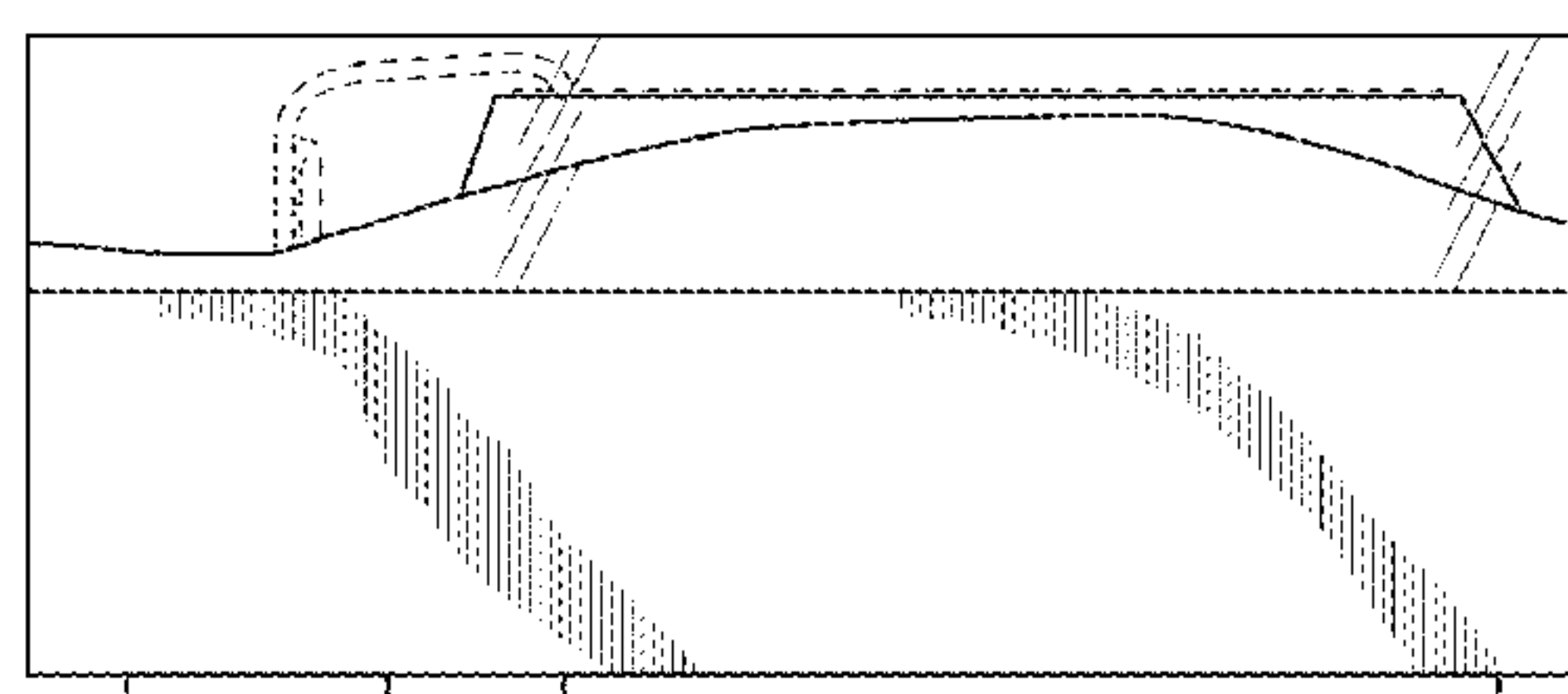
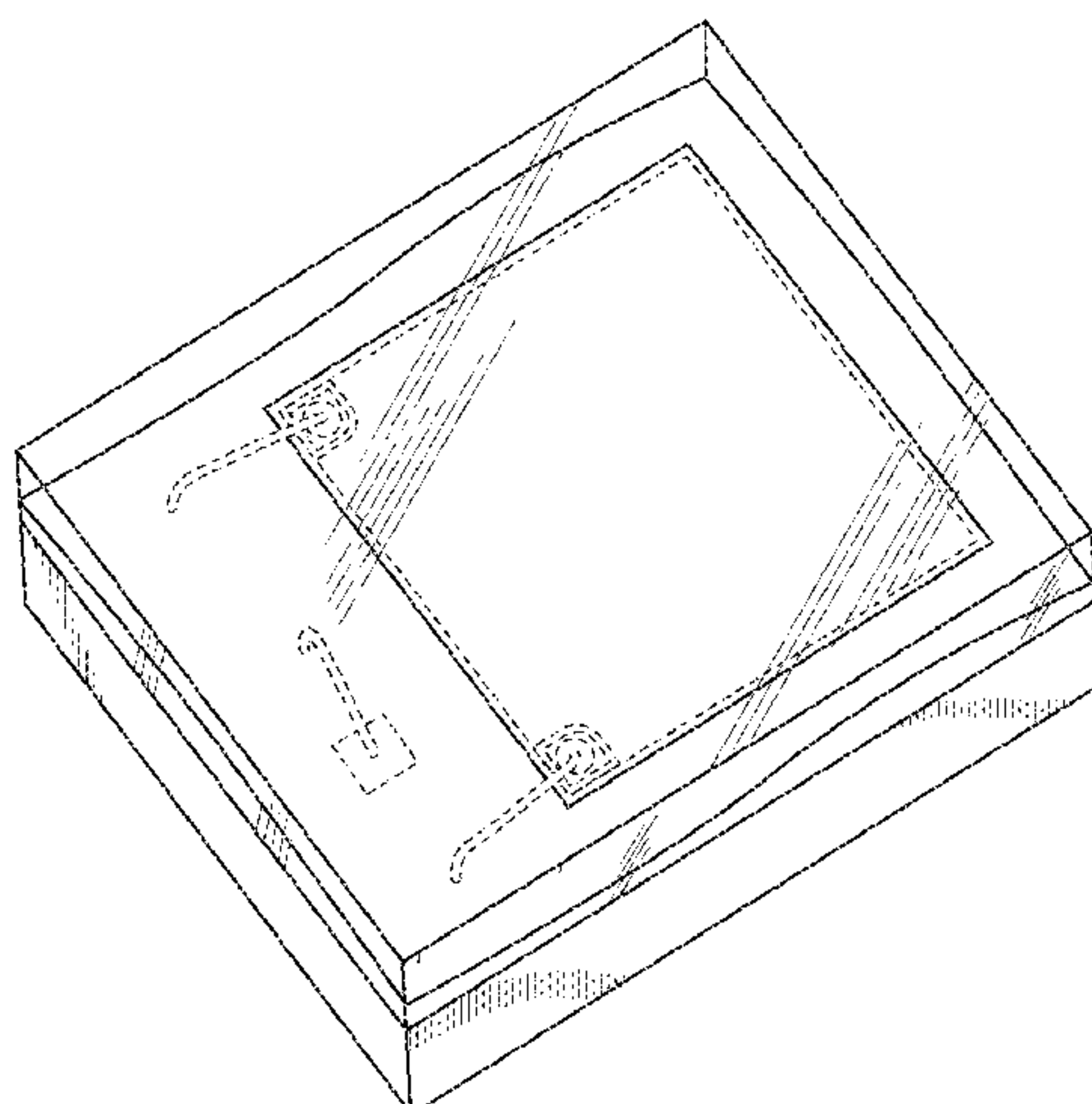
(57) **CLAIM**

The ornamental design for a light-emitting device package,
as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of one embodiment of a light-emitting device package;
FIG. 2 is a bottom perspective view of the light-emitting device package of FIG. 1;
FIG. 3 is a top view of the light-emitting device package of FIG. 1;
FIG. 4 is a bottom view of the light-emitting device package of FIG. 1;
FIG. 5 is an end view of the light-emitting device package of FIG. 1;
FIG. 6 is an opposing end view of the light-emitting device package of FIG. 1;
FIG. 7 is a side view of the light-emitting device package of FIG. 1;
FIG. 8 is an opposing side view of the light-emitting device package of FIG. 1;
FIG. 9 is a top perspective of the light-emitting device package thereof showing an alternate environment;
FIG. 10 is a bottom perspective view of the light-emitting device package of FIG. 9;
FIG. 11 is a top view of the light-emitting device package of FIG. 9;
FIG. 12 is a bottom view of the light-emitting device package of FIG. 9;
FIG. 13 is an end view of the light-emitting device package of FIG. 9;
FIG. 14 is an opposing end view of the light-emitting device package of FIG. 9;
FIG. 15 is a side view of the light-emitting device package of FIG. 9; and,
FIG. 16 is an opposing side view of the light-emitting device package of FIG. 9.
The broken lines shown in the drawings depict portions of the light-emitting device package that form no part of the claimed design.

1 Claim, 16 Drawing Sheets



(58) **Field of Classification Search**
CPC H01L 25/167; H01L 25/0753; H01L
2223/54433; H10H 20/822; H10H
20/854; H10H 20/855; H10H 20/856;
H10H 20/857; H10H 20/8513
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D521,950 S * 5/2006 Inoue D13/180
D540,270 S * 4/2007 Inoue D13/182
D542,239 S * 5/2007 Egawa D13/182
D576,571 S 9/2008 Itai
D576,968 S * 9/2008 Panaccione D13/180
7,586,129 B2 9/2009 Hsu et al.
D635,525 S * 4/2011 Edmond D13/180
D646,646 S 10/2011 Chen et al.
D649,942 S 12/2011 Shimizu et al.
D676,002 S * 2/2013 Watanabe D13/180
D680,085 S 4/2013 Wu et al.
D693,317 S * 11/2013 Kobayashi D13/180
D720,310 S 12/2014 Sharma et al.
D742,554 S * 11/2015 Kanemaru D26/1
D763,472 S * 8/2016 Watson-Levack D26/1
D763,473 S * 8/2016 Watson-Levack D26/1
D763,805 S * 8/2016 Huang D13/180
D771,579 S 11/2016 Eguchi et al.
D777,122 S * 1/2017 Bergmann D13/180
D778,847 S * 2/2017 Song D13/180
D789,307 S * 6/2017 Amano D13/171
D794,582 S * 8/2017 Zhang D13/180
D800,678 S * 10/2017 Omori D13/180
D832,802 S * 11/2018 Nishio D13/180
D834,543 S * 11/2018 Tamura D13/180

D847,102 S * 4/2019 Chen D13/180
D856,946 S * 8/2019 Song D13/180
10,388,838 B2 * 8/2019 Hung H10H 20/0137
10,522,722 B2 * 12/2019 Damborsky H10H 20/822
D894,851 S * 9/2020 Hsieh D13/180
D897,296 S * 9/2020 Hu D13/180
D906,270 S * 12/2020 Song D13/180
10,854,780 B2 * 12/2020 Hung H10H 20/8516
D915,308 S * 4/2021 Maruyama D13/180
D920,933 S 6/2021 Elwell et al.
11,552,229 B2 * 1/2023 Damborsky H10H 20/855
D996,377 S * 8/2023 Celano D13/180
D996,378 S * 8/2023 Trinkle D13/180
D1,036,711 S * 7/2024 Celano D13/180
D1,060,278 S * 2/2025 Trinkle D13/180
2009/0278241 A1 11/2009 Liu et al.
2011/0220920 A1 * 9/2011 Collins H10H 20/8513
257/E33.061
2013/0105835 A1 5/2013 Wu et al.
2013/0141920 A1 * 6/2013 Emerson H10H 20/8506
362/311.01
2019/0280176 A1 9/2019 Lee et al.
2019/0355886 A9 * 11/2019 Hussell H10H 20/856
2020/0013759 A1 * 1/2020 Yoo H10H 20/857
2020/0335673 A1 * 10/2020 Kim H10H 20/856
2023/0261154 A1 * 8/2023 Trinkle H01L 25/0753
257/91

OTHER PUBLICATIONS

Examination Report for Taiwanese Patent Application No. 111303437,
mailed Feb. 13, 2023, 4 pages.
Notice of Allowance for Taiwanese Patent Application No. 111303437,
mailed Jul. 5, 2023, 5 pages.

* cited by examiner

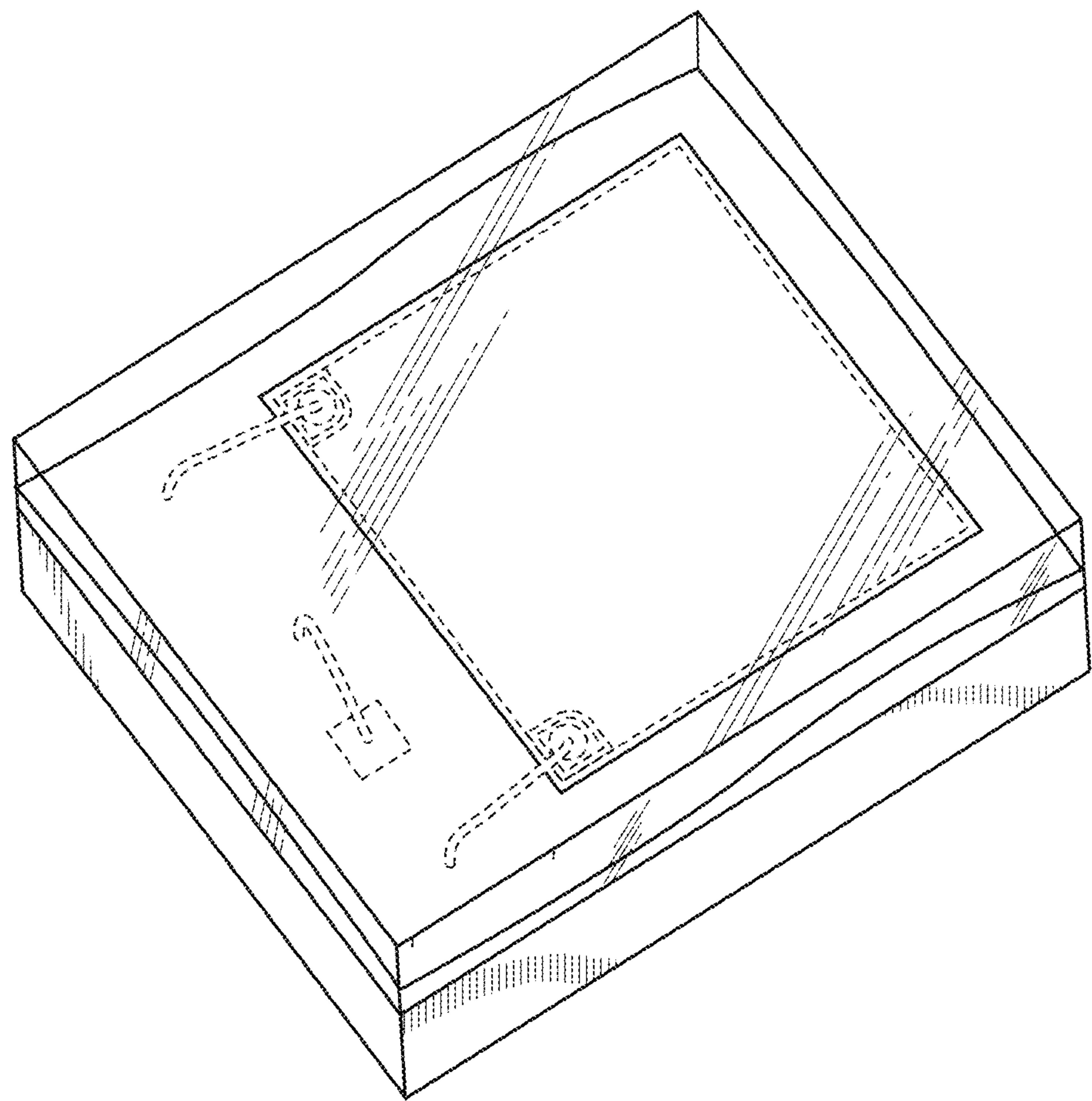


FIG. 1

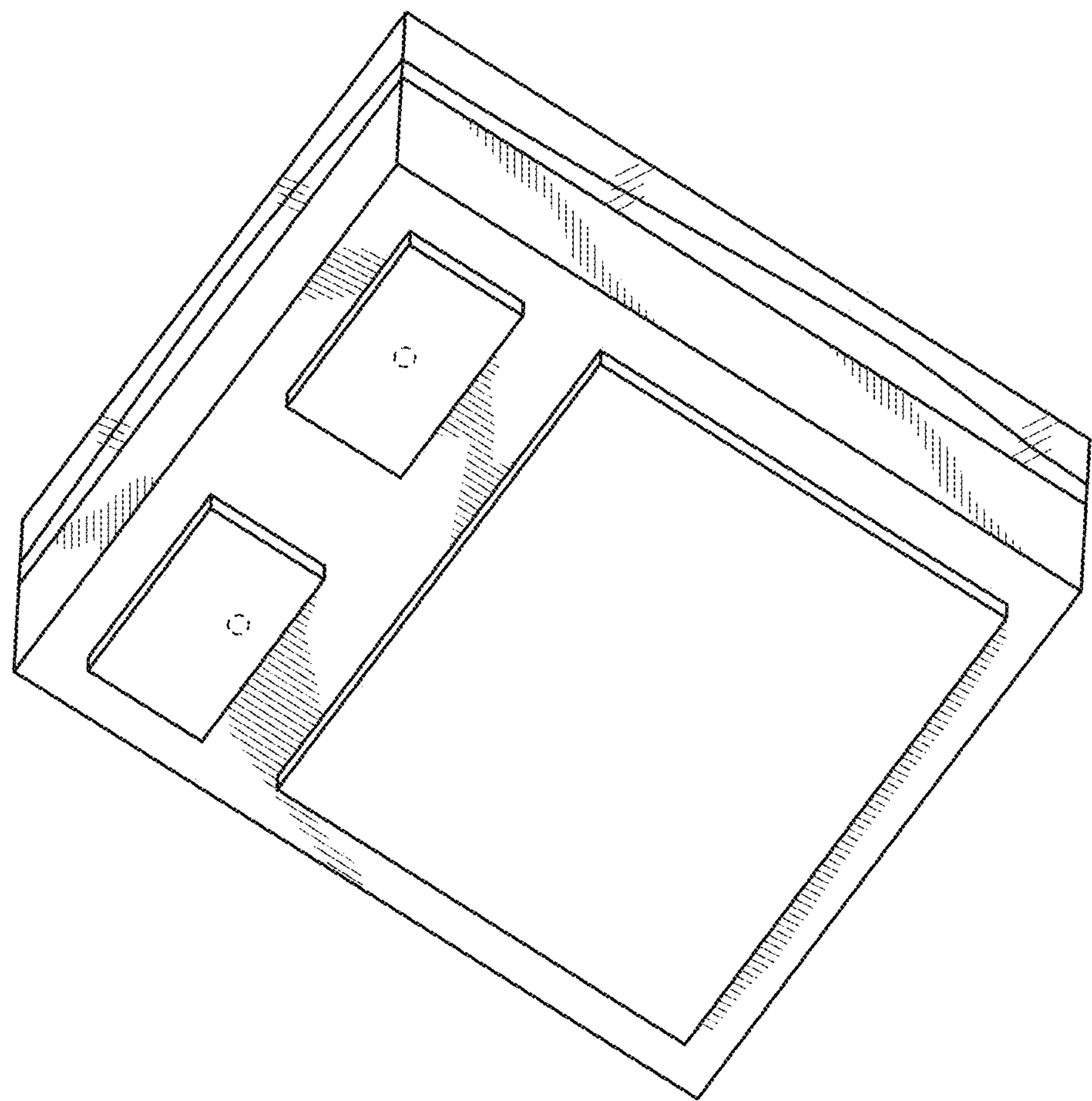


FIG. 2

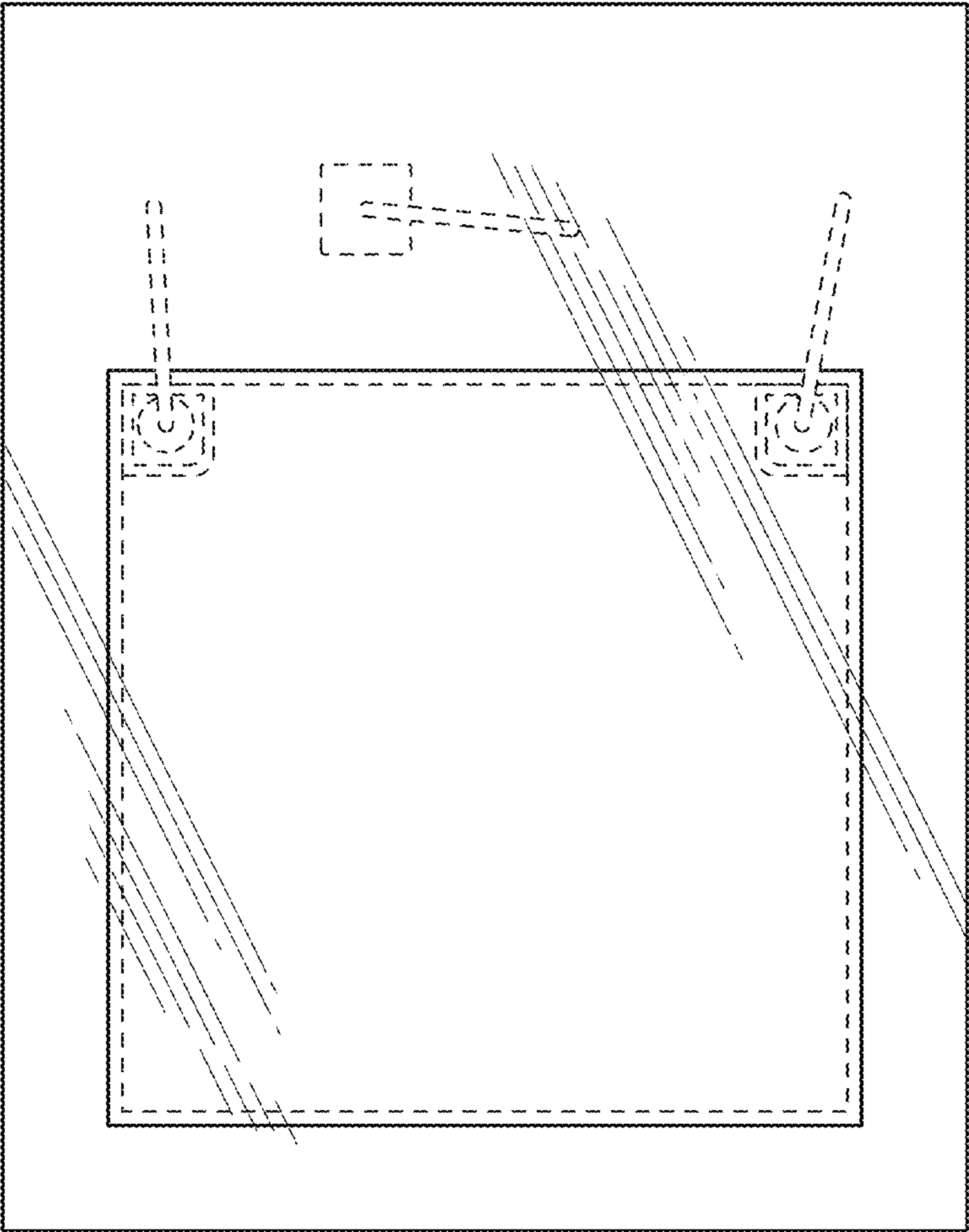


FIG. 3

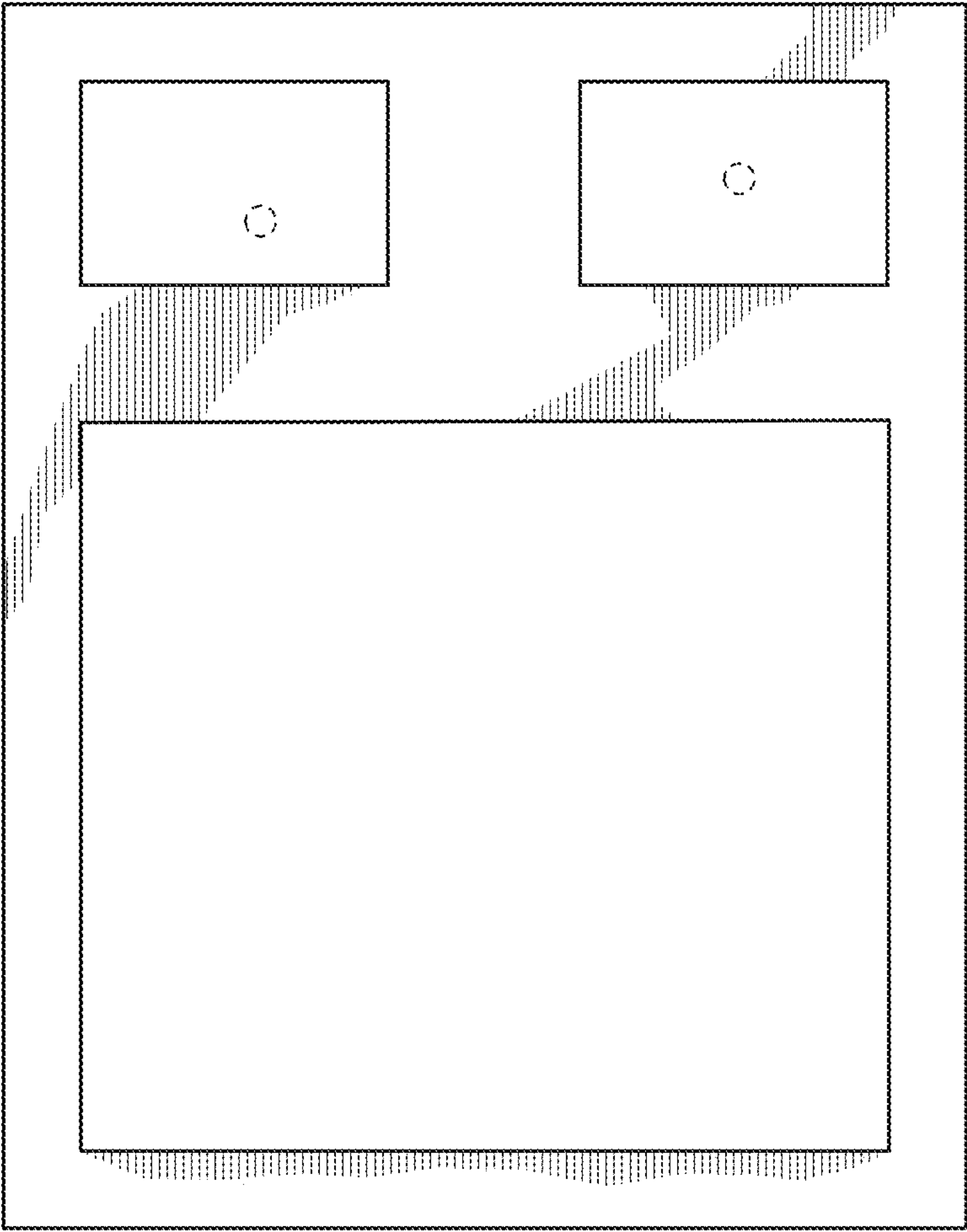


FIG. 4

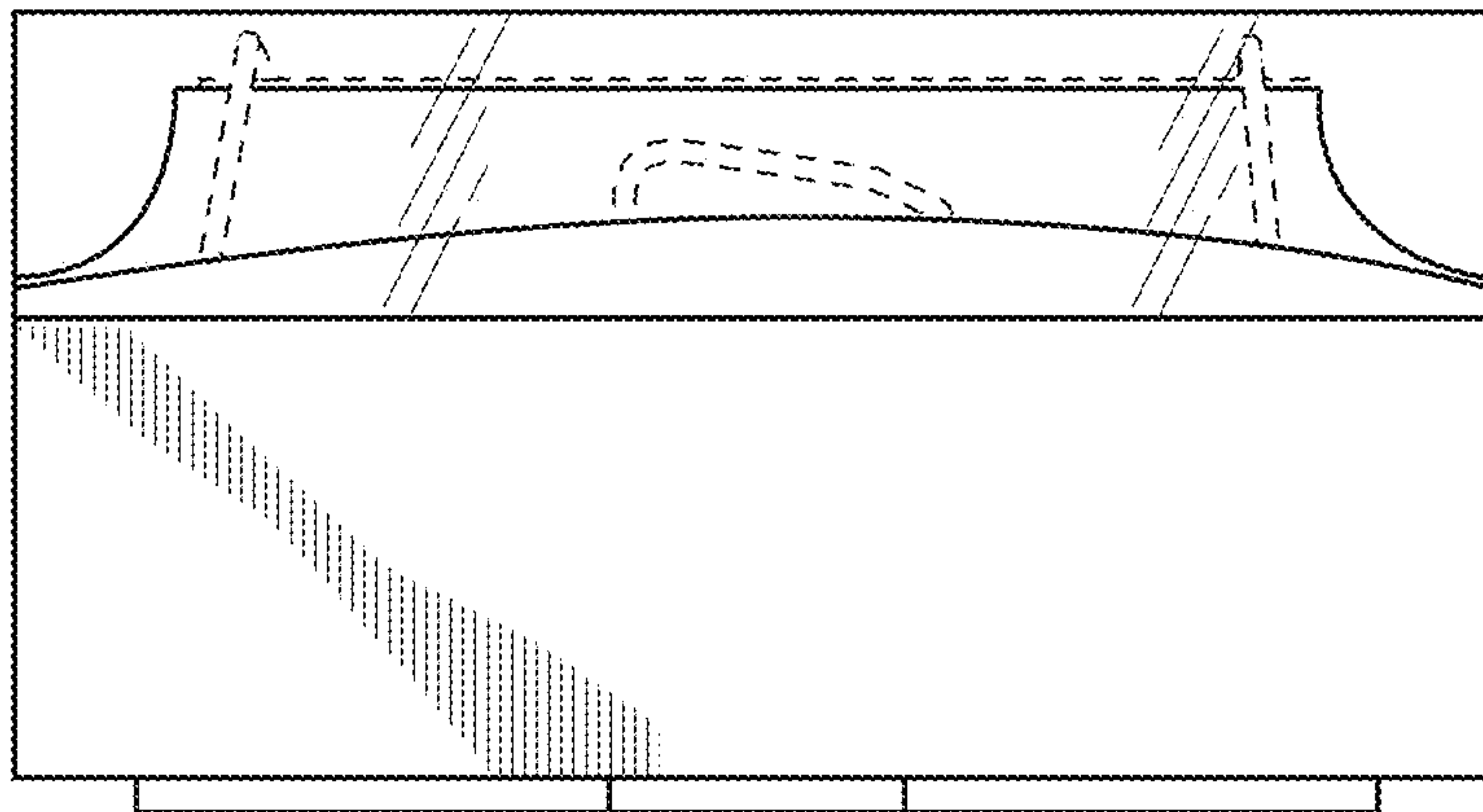


FIG. 5

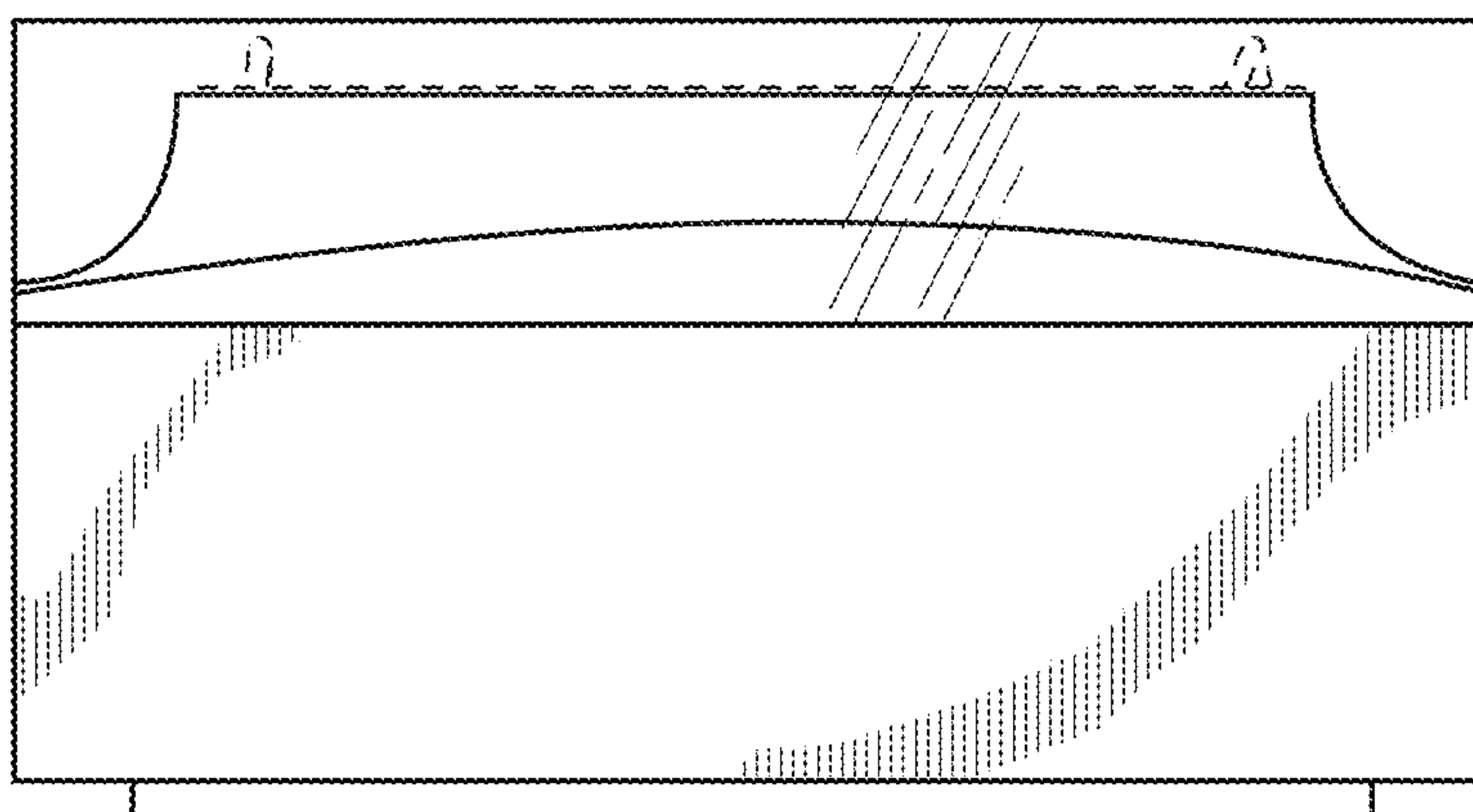


FIG. 6

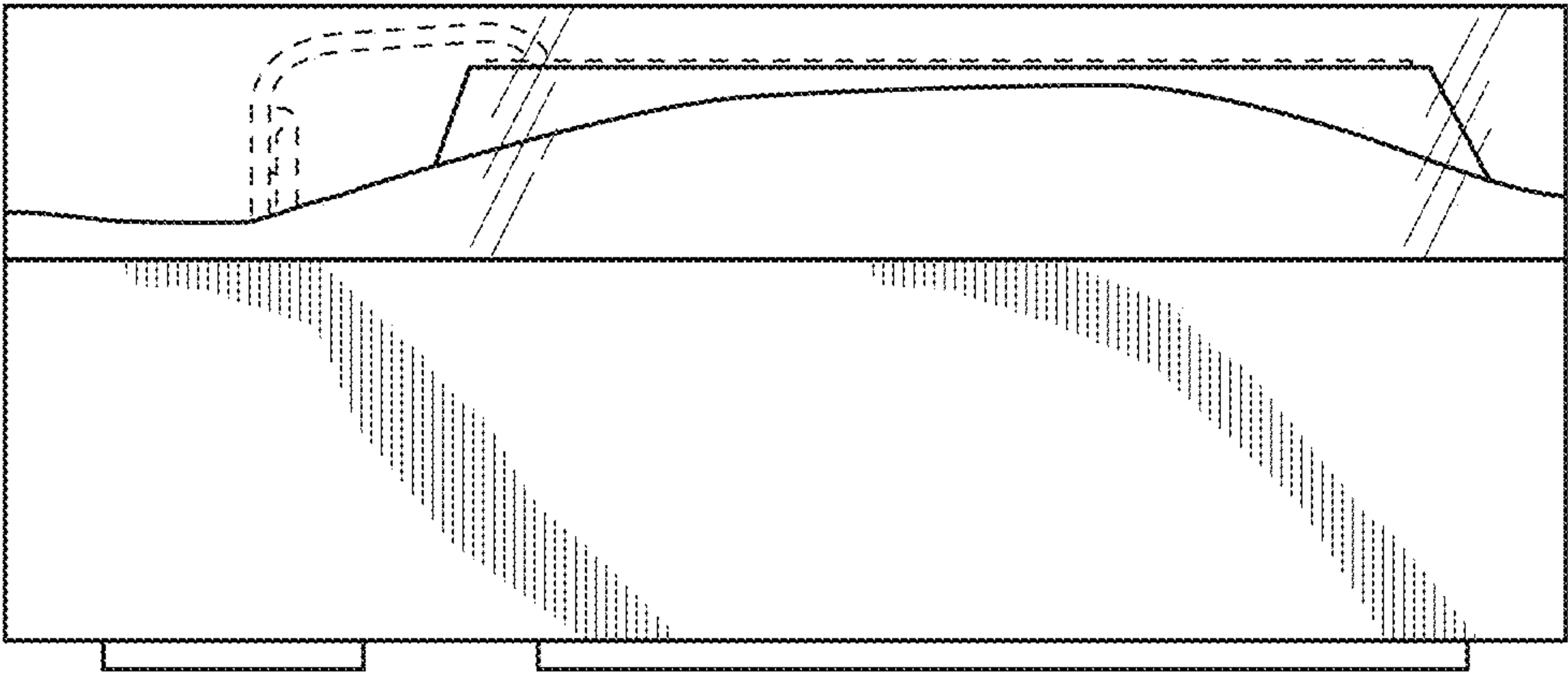


FIG. 7

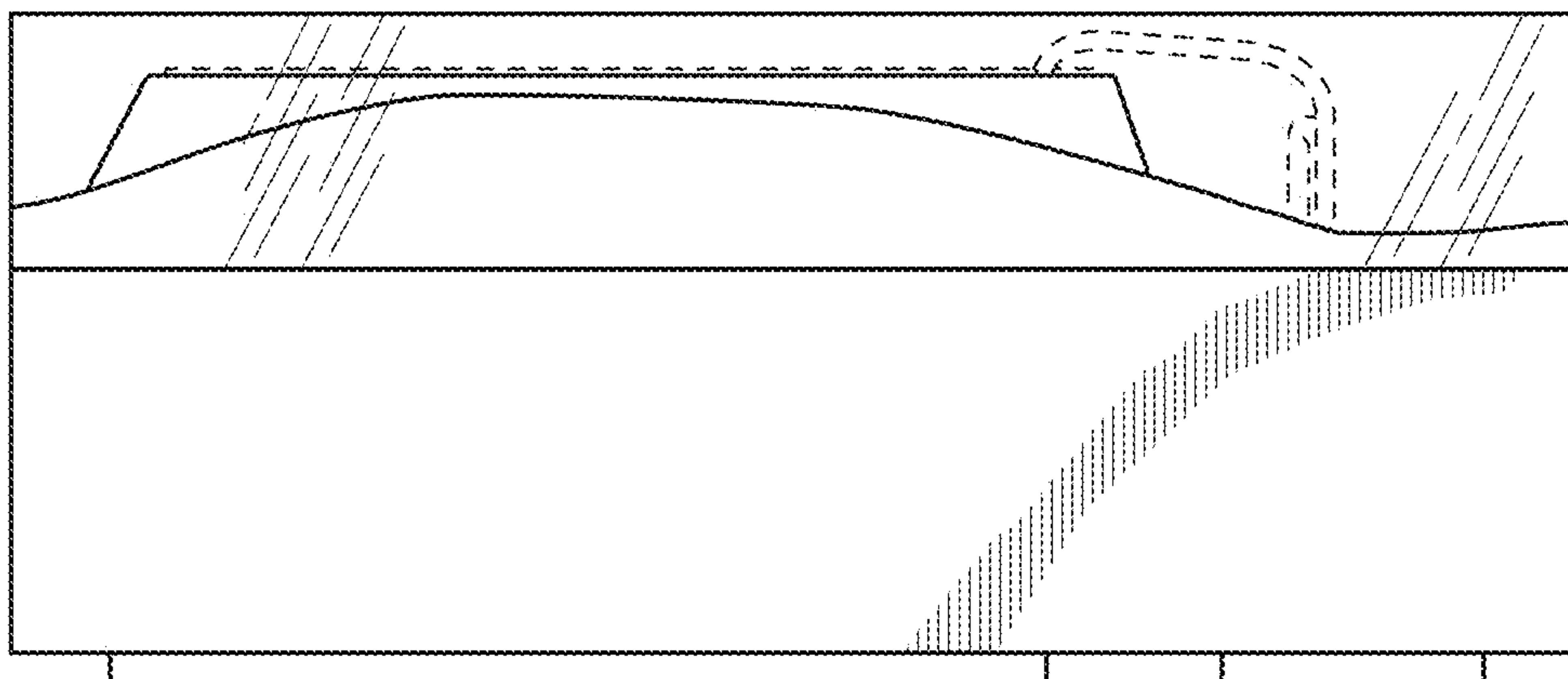


FIG. 8

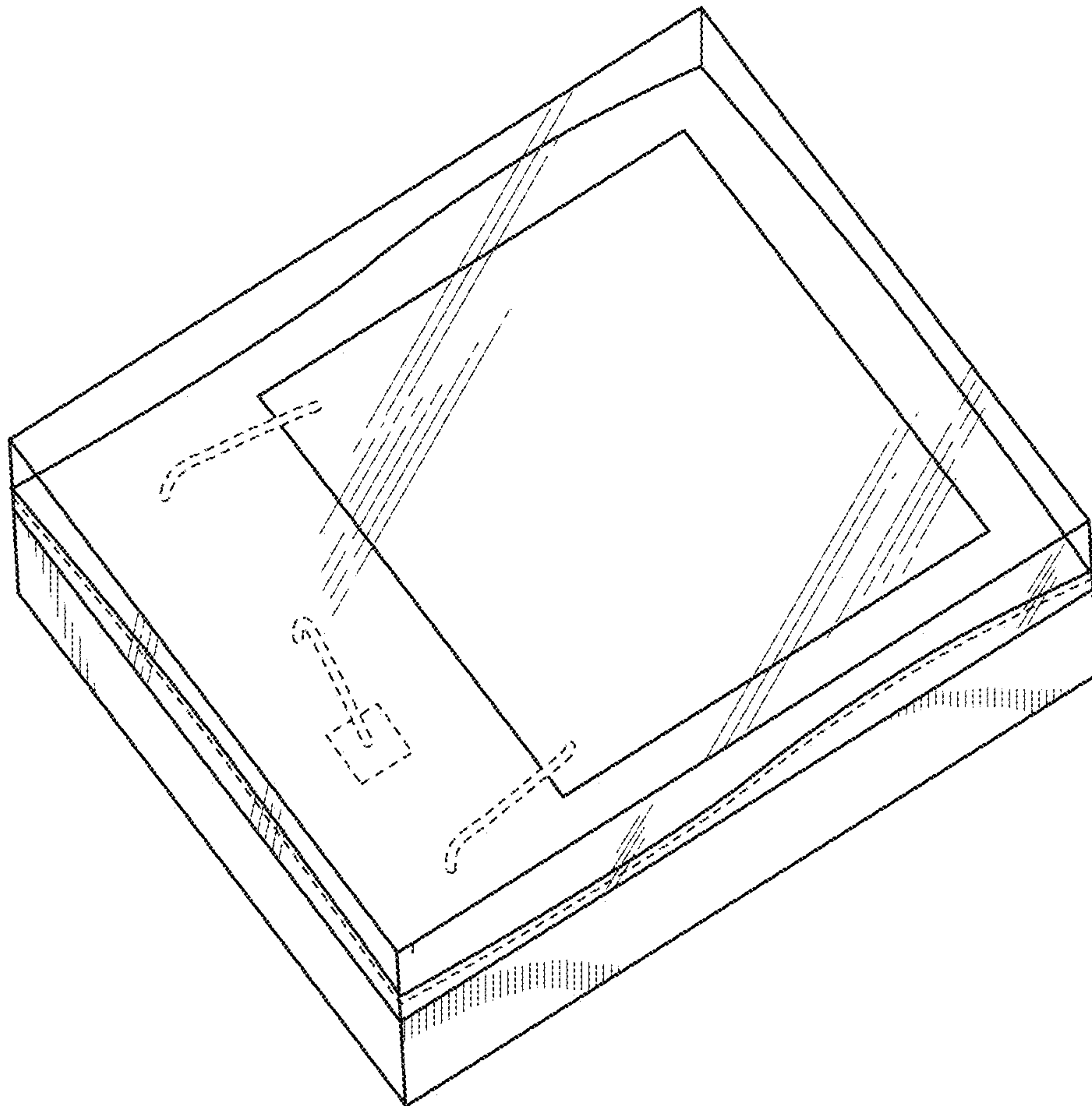


FIG. 9

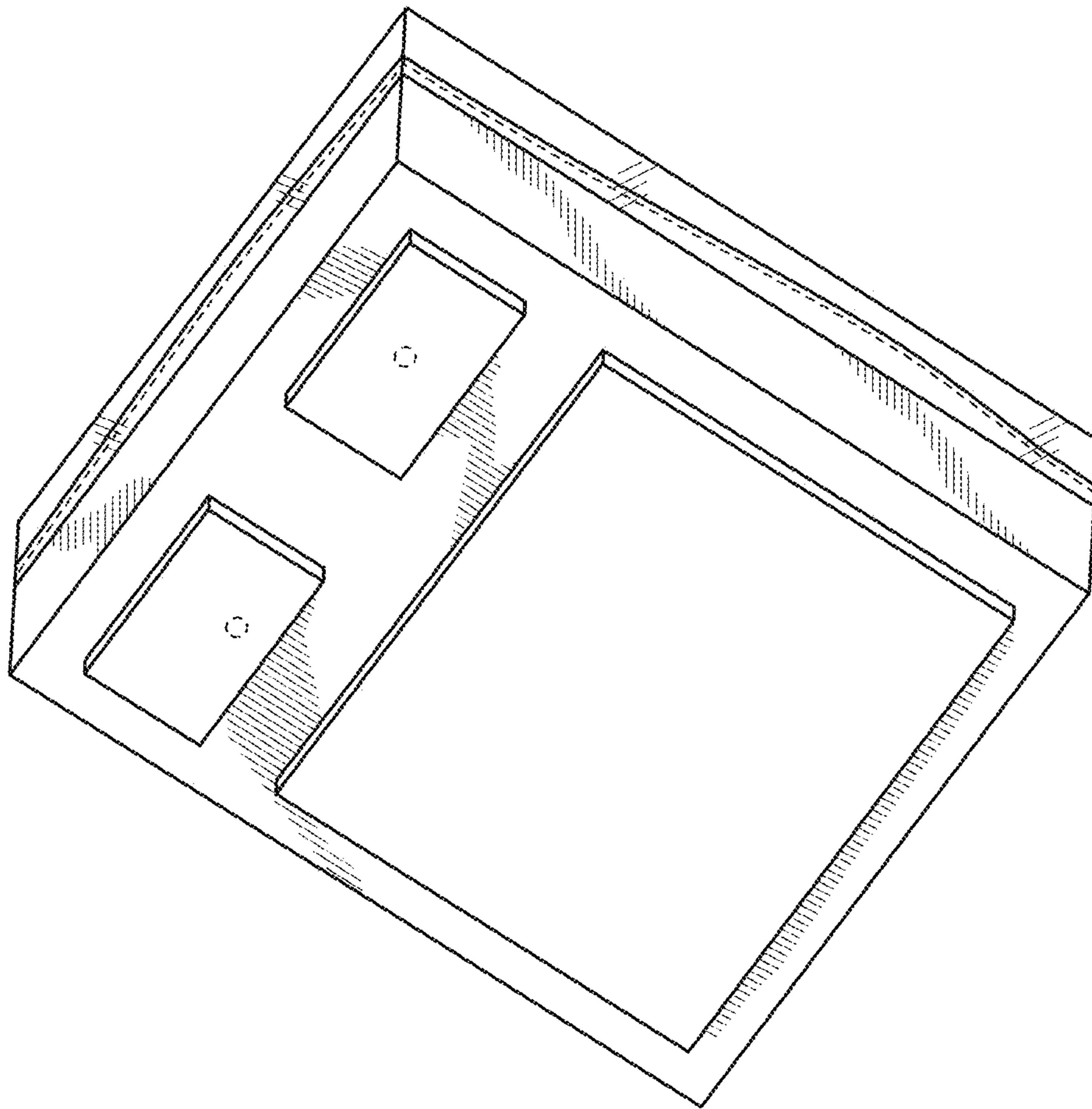


FIG. 10

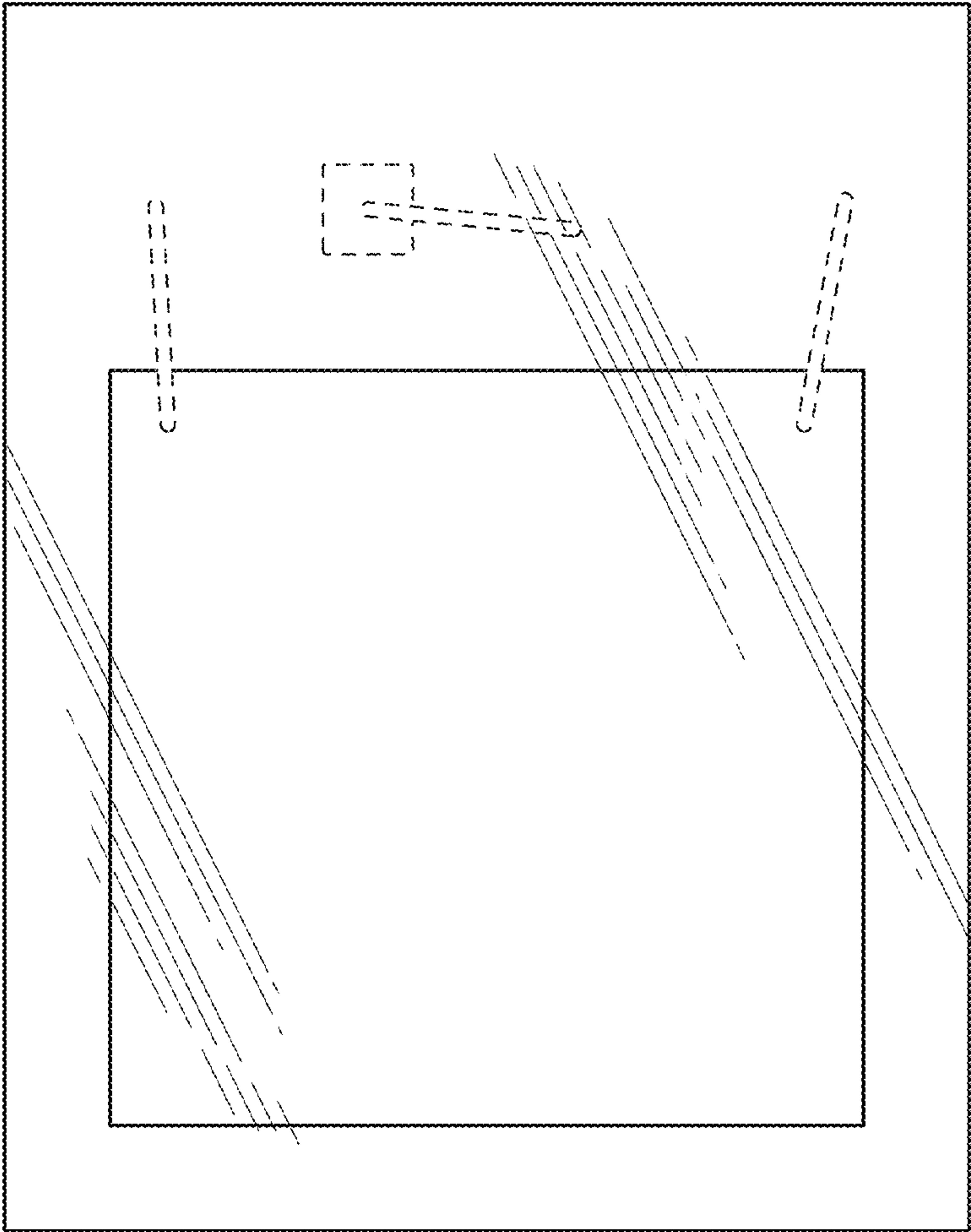


FIG. 11

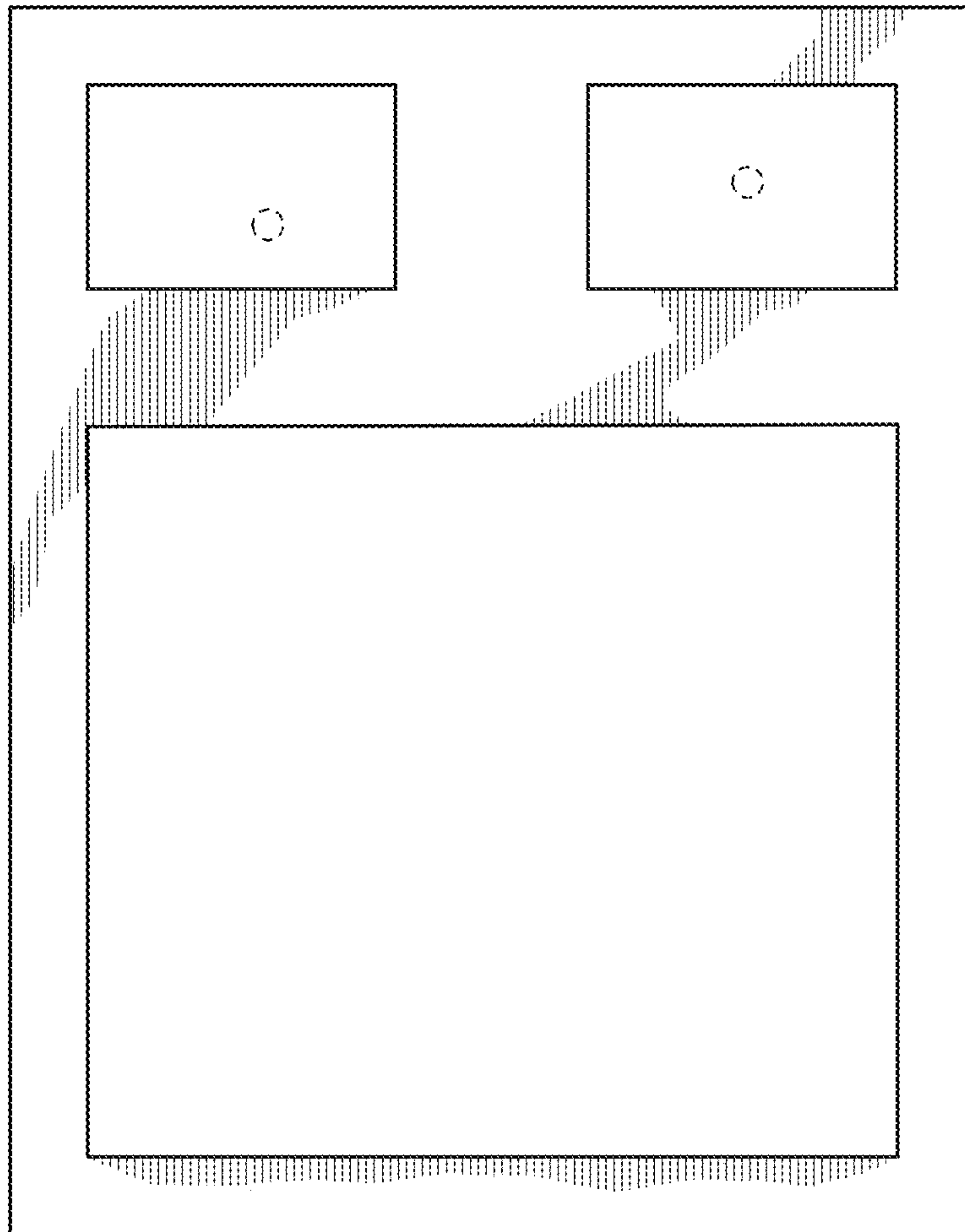


FIG. 12

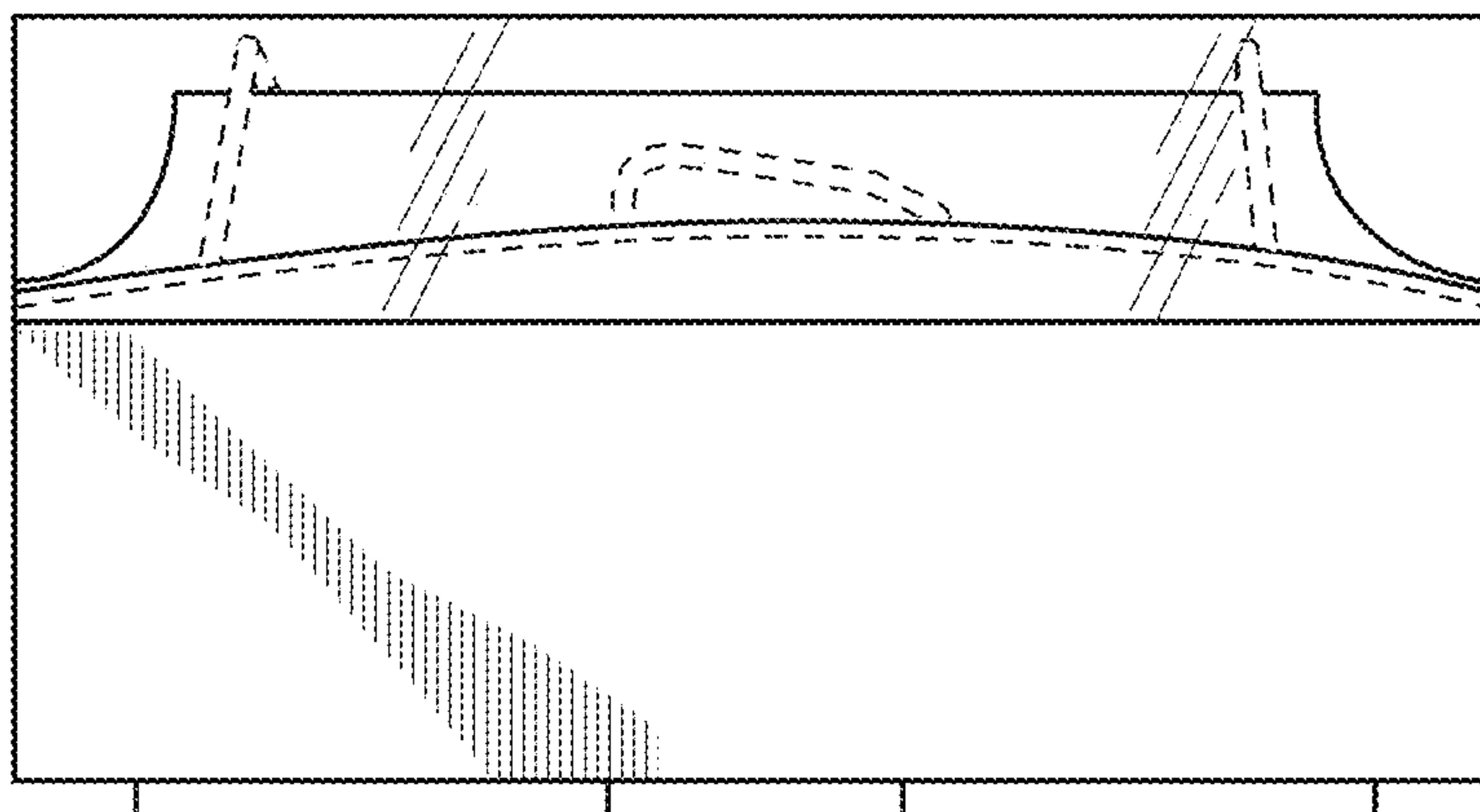


FIG. 13

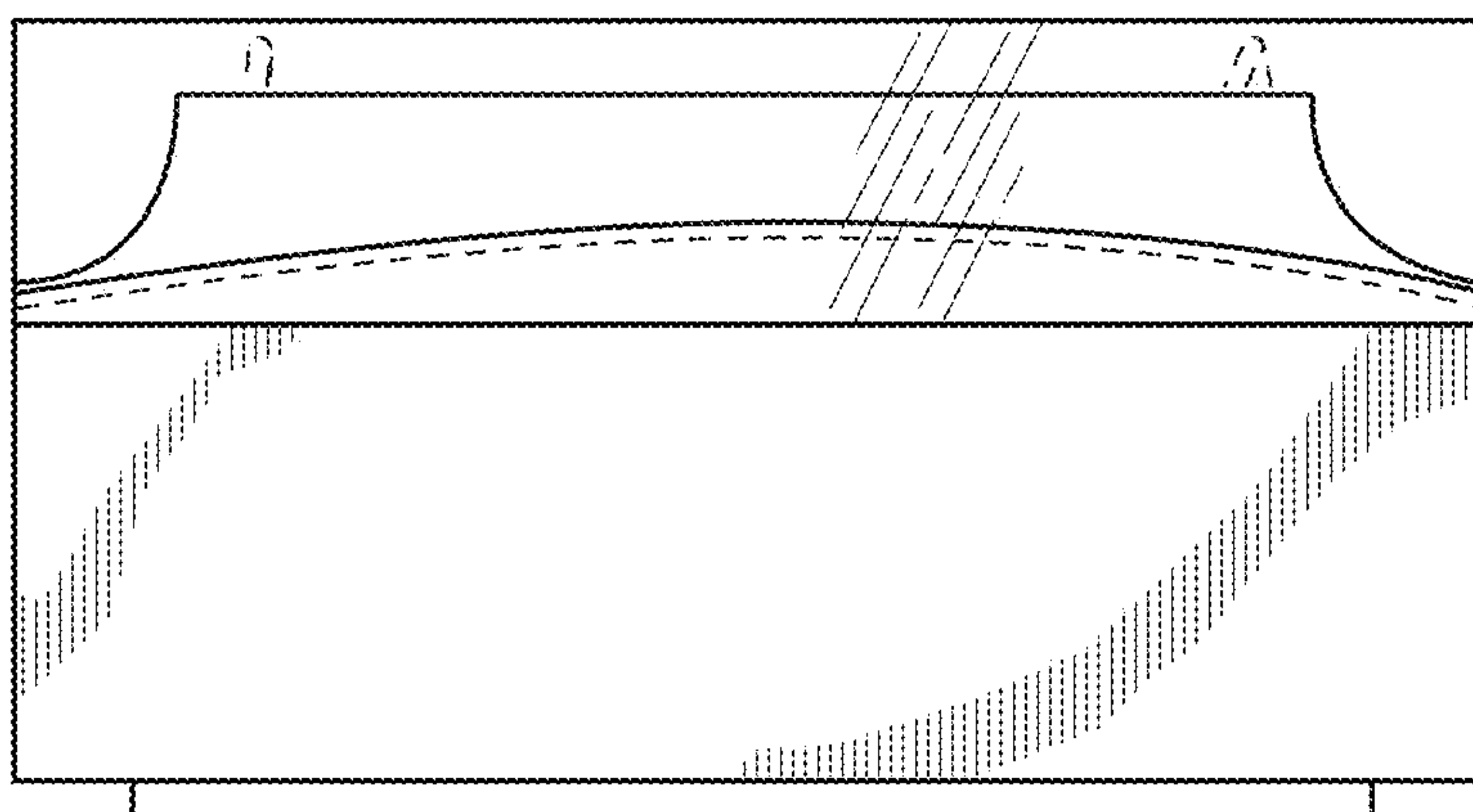


FIG. 14

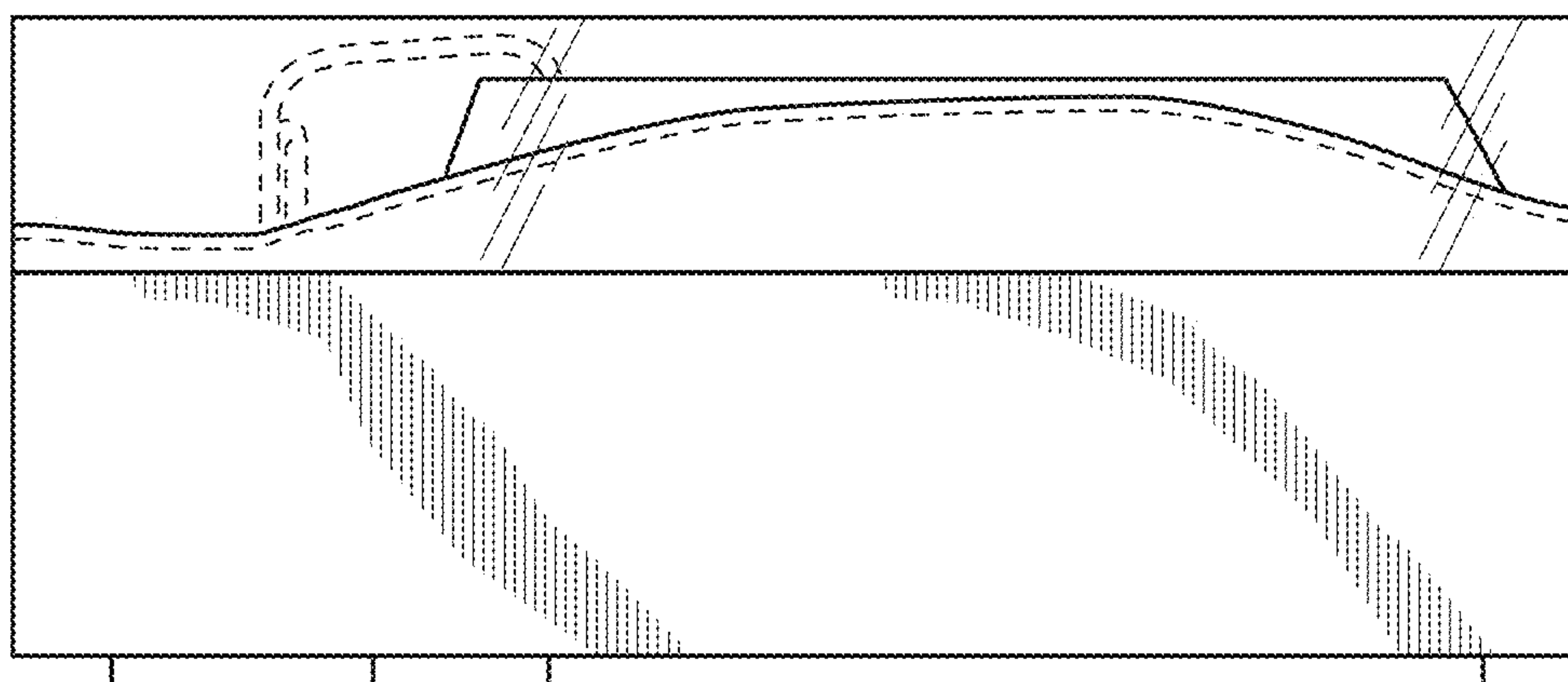


FIG. 15

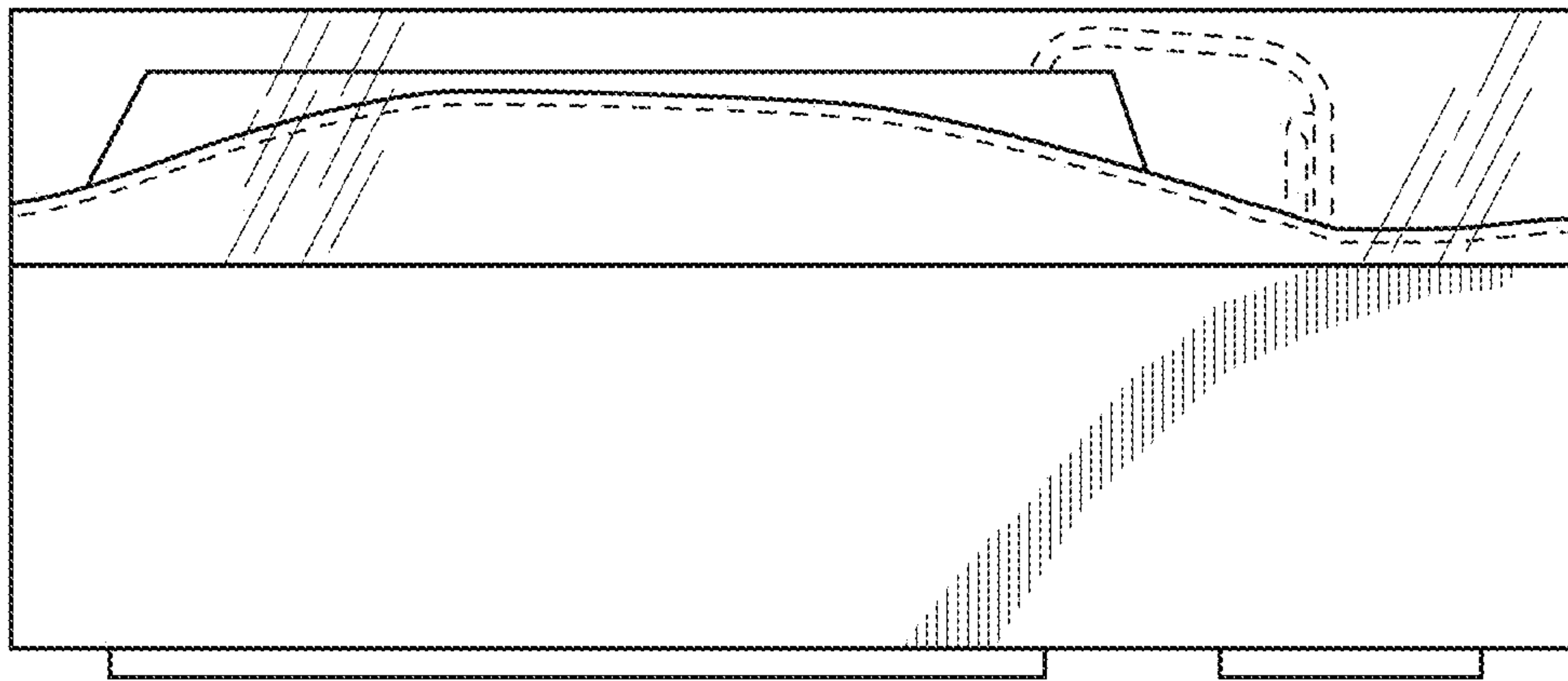


FIG. 16